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Laboratory Code: 11148

SDG Number: L2450786

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Pesticides L4 (3.0ug/L) Injected on: 08/01/24 19:13 4537
Pesticides L5 (4.0ug/L) Injected on: 08/01/24 19:25 4590
Pesticides L7 (10.0ug/L) Injected on: 08/01/24 19:37 4643
Pesticides L8 (50.0ug/L) Injected on: 08/01/24 19:49 4697
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Toxaphene L7 (1000ug/L) Injected on: 08/01/24 22:47 5025
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Project Name: ROANOKE SAND + GRAVEL
Project Number: BSD1504

Lab Number: L2450786
Report Date: 10/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2450786-01	MW-5A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 13:53	09/05/24
L2450786-02	MW-5B	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 13:55	09/05/24
L2450786-03	MW-6A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 12:50	09/05/24
L2450786-04	MW-6B	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 12:47	09/05/24
L2450786-05	MW-7A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 11:55	09/05/24
L2450786-06	MW-7B	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 12:00	09/05/24
L2450786-07	MW-8A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 08:00	09/05/24
L2450786-08	MW-8B	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 08:55	09/05/24
L2450786-09	MW-10A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 10:10	09/05/24
L2450786-10	MW-10B	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 10:16	09/05/24
L2450786-11	FIELD BLANK	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/04/24 11:00	09/05/24
L2450786-12	DUP	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/05/24 00:00	09/05/24
L2450786-13	MW-3A	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/04/24 11:30	09/05/24
L2450786-14	TRIP BLANK	WATER	104 ROCKY POINT RD. MIDDLE ISLAND	09/04/24 00:00	09/05/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

October 03, 2024: This final report includes the results of all requested analyses.

September 11, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The following analyses were subcontracted: Ammonium, Iodide, Radium 226, Radium 228, Sulfide, Thorium, and Uranium. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2450786-04: The sample was received above the appropriate pH for the Total Kjeldahl Nitrogen - SM 4500, NO3/NO2 combined analysis - SM 4500, Total Nitrogen - SM 4500-N Calculation, and Total Phosphate - SM 4500P-E(M) analyses. The laboratory added additional H2SO4 to a pH <2.

L2450786-07: The container for Total Kjeldahl Nitrogen - SM 4500, NO3/NO2 combined analysis - SM 4500, Total Nitrogen - SM 4500-N Calculation, and Total Phosphate - SM 4500P-E(M) was received damaged; however, there was adequate sample remaining to perform the requested analysis.

L2450786-08: The containers for Herbicides -EPA 8151A Long List were received damaged; however, there was adequate sample remaining to perform the requested analysis.

L2450786-13: A sample identified as "MW-3A" was received, but not listed on the chain of custody. At the client's request, this sample was analyzed.

L2450786-14: A sample identified as "TRIP BLANK" was received, but not listed on the chain of custody. At the client's request, this sample was analyzed.

Semivolatile Organics

The WG1968879-3 LCSD recovery, associated with L2450786-01 through -07, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the

Case Narrative (continued)

associated samples are reported.
The WG1968975-3 LCSD recovery, associated with L2450786-08, -09, -10, and -12, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Perfluorinated Alkyl Acids by 1633
L2450786-11: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
The WG1973357-4/-5 MS/MSD recoveries, performed on L2450786-03, are outside the acceptance criteria for perfluoro-3-methoxypropanoic acid (pfmpa) (158%/153%).

Dissolved Metals
The WG1969516-3 MS recovery, performed on L2450786-01, is outside the acceptance criteria for potassium (128%). A post digestion spike was performed and was within acceptance criteria.

Anions by Ion Chromatography
The WG1969414-3 MS recovery, performed on L2450786-01, is outside the acceptance criteria for bromide (86%); however, the associated LCS recovery is within criteria. No further action was taken.
The WG1969414-4 Laboratory Duplicate RPD for bromide (36%), performed on L2450786-01, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom Report Date: 10/04/24

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2450786

Received : 05-SEP-2024
Reviewer : Kevin Law

Account Name : P. W. Grosser
Project Number : BSD1504
Project Name : ROANOKE SAND + GRAVEL

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.8	
B	Absent/	Ice	2.7	
C	Absent/	Ice	2.7	
D	Absent/	Ice	3.3	
E	Absent/	Ice	2.5	
F	Absent/	Ice	3.3	
G	Absent/	Ice	2.4	
H	Absent/	Ice	3.3	
I	Absent/	Ice	3.2	
J	Absent/	Ice	2.7	
K	Absent/	Ice	3.5	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **YES**
Following additional samples were received: -13, -14

3) Are there any sample container discrepancies? **YES**
L2450786-04R (ARCHIVE) was received in inappropriate container.
L2450786-07T (TNITROGEN) was received in damaged container.
L2450786-08S (HERB-8151) was received in damaged container.
L2450786-08T (HERB-8151) was received in damaged container.

4) Are there any discrepancies between COC & sample labels? **NO**

5) Are samples in appropriate containers for requested analysis? **NO**
Please refer to information noted in Question 3 above.

6) Are samples properly preserved for requested analysis? **NO**

Container	pH	Preservative Added	Final pH

Sample Delivery Group Summary

Alpha Job Number : L2450786
Received : 05-SEP-2024
Reviewer : Kevin Law

Account Name : P. W. Grosser
Project Number : BSD1504
Project Name : ROANOKE SAND + GRAVEL

L2450786-04T	7	H2SO4	<2

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**

Comments

L2450786-04R Container received empty
L2450786-07T Cap received cracked, volume intact
L2450786-08S Cap received cracked, volume intact
L2450786-08T Cap received cracked, volume intact

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 22 2024, 05:21 pm

Login Number: L2450786
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 05SEP24 Due Date: 02OCT24

Sample #	Client ID	Mat	PR	Collected
L2450786-01	MW-5A	S0	1	05SEP24 13:53

778463409099 $44.09 USD Galbraith, TN 778464813342 $60.62 USD Pace, IN ASP-B Package Due Date: 10/21/24

ALK-CO3-2320,ALK-HCO3-2320,ASP-B,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-02	MW-5B	S0	1	05SEP24 13:55

| Package Due Date: 10/21/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-03	MW-6A	S0	1	05SEP24 12:50

| Package Due Date: 10/21/24

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 22 2024, 05:21 pm

Login Number: L2450786
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 05SEP24 Due Date: 02OCT24

Sample #	Client ID	Mat	PR	Collected
L2450786-04	MW-6B	S0	1	05SEP24 12:47
| Package Due Date: 10/21/24				
ALK-CO3-2320,ALK-HCO3-2320,ARCHIVE,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500				
L2450786-05	MW-7A	S0	1	05SEP24 11:55
| Package Due Date: 10/21/24				
ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500				
L2450786-06	MW-7B	S0	1	05SEP24 12:00
| Package Due Date: 10/21/24				
ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500				
L2450786-07	MW-8A	S0	1	05SEP24 08:00
| Package Due Date: 10/21/24				

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 22 2024, 05:21 pm

Login Number: L2450786
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 05SEP24 Due Date: 02OCT24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-08	MW-8B	1	S0	05SEP24 08:55

| Package Due Date: 10/21/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-09	MW-10A	1	S0	05SEP24 10:10

| Package Due Date: 10/21/24

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-10	MW-10B	1	S0	05SEP24 10:16

| Package Due Date: 10/21/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Oct 22 2024, 05:21 pm

Login Number: L2450786
Account: PWGROSSER P. W. GrosserProject: BSD1504
Received: 05SEP24 Due Date: 02OCT24

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,
NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,
TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,
NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-
UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-
UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-11 FIELD BLANK 1 S0 04SEP24 11:00
| Package Due Date: 10/21/24

A2-1633-DRAFT

L2450786-12 DUP 1 S0 05SEP24 00:00
| Package Due Date: 10/21/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,HERB-8151,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260,
NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,
TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,
NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-
UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-
UI,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2450786-13 MW-3A 1 S0 04SEP24 11:30
| Package Due Date: 10/21/24

A2-1633-DRAFT

L2450786-14 TRIP BLANK 1 S0 04SEP24 00:00
| Package Due Date: 10/21/24

NYTCL-8260

Logged By: Mitch Ostrowski

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 9/6/24

ALPHA Job #: L2450706

Client Information
Client: PWGC
Address: 630 Johnson Ave Suite 7 Bohemia
Phone: 631-589-6353
Fax:
Email: mmcwill@pwgrosser.com

Project Information
Project Name: Roanoke Sand & Gravel
Project Location: 104 Rocky Point Road Middle Is.
Project #: BSD1504
(Use Project name as Project #)
Project Manager: Matt McWill
ALPHAQuote #:

Turn-Around Time
Standard
Due Date:
Rush (only if pre approved)
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please Refer to BO# 480100 for Analysis List!

Please specify Metals or TAL.

Deliverables
ASP-A
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ
NY
Other:

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs/SVOCs	TAL Metals (Total/Dissolved)	Cations/Anions (Quote #480100)	TDS	PCBs	Pesticides	Herbicides	(Isotopic Radium + Thorium)	Sample Specific Comments
50786-01	MW-5A	09/05/24	1353	GW	KM/VC	X	X	X	X	X	X	X		
-02	MW-5B		13:55			X	X	X	X	X	X	X		
-03	MW-6A		17:50			X	X	X	X	X	X	X	X	
-04	MW-6B		12:47			X	X	X	X	X	X	X		
-05	MW-7A		11:55			X	X	X	X	X	X	X		
-06	MW-7B		12:00			X	X	X	X	X	X	X		
-07	MW-8A		08:00			X	X	X	X	X	X	X	X	
-08	MW-8B		08:55			X	X	X	X	X	X	X		
-09	MW-10A		10:10			X	X	X	X	X	X	X	X	
-10	MW-10B		10:46			X	X	X	X	X	X	X		

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Kyle McKay	09/05/24 15:45		9/5/24 1545
	9/5/24 18:55		9/5/24 1921
	9/5/24		9/5 2200
	9/6		9/6 0120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 3

Date Rec'd in Lab: 9/6/24

ALPHA Job #: L2450786

Client Information
Client:
Address:
Phone:
Fax:
Email:
SAME

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #)
Project Manager:
ALPHA Quote #:
PAGE 11 of 15

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Radium 226/228	PFAS	1,4 Dioxane	Sample Specific Comments
50786-01	MW-5A	09/05/24	13:53	GW	KM/VC				
-02	MW-5B		13:55						
-03	MW-6A		12:50			X	X	X	
-04	MW-6B		12:47						
-05	MW-7A		11:55						
-06	MW-7B		12:00						
-07	MW-8A		08:00			X	X	X	
-08	MW-8B		08:55						
-09	MW-10A		10:10			X	X	X	
-10	MW-10B	↓	10:16	↓	↓				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
Kylie McKay 09/05/24	15:45		9/5/24 15:45
	9/5/24 18:15		9/5/24 1921
	9/5/24		9/5 2200
	9/6 12:0		9/6 0:12

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab: 9/6/24

ALPHA Job #: L2450786

Client Information
Client:
Address:
SAME AS PAGE 1
Phone:
Fax:
Email:

Project Information
Project Name:
Project Location:
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please analyze DUP sample for VOCs, SVOCs, TAL metals (total/dissolved), Cations/Anions, TDS, PCBs, Pesticides and Herbicides

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PFAS	Total Bottles	Sample Specific Comments
JD7880-11	Field Blank	09/04/24	11:00	GW	KM/VC	X		
-12	DUP	09/05/24		GW		X (KM)		
	~~MW-6A~~					X		
	~~MW-8A~~					X		
	~~MW-10A~~					X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Kylie McClay	09/05/24 15:45		9/5/24 15:45
	9/5/24 1845		9/5/24 1921
	9/5/24		9/5 2200
	9/6 120		9/6 0120

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-5A (L2450786-01)	86	97	87	104	0
MW-5B (L2450786-02)	87	96	88	103	0
MW-6A (L2450786-03)	90	95	87	107	0
MW-6B (L2450786-04)	90	96	87	104	0
MW-7A (L2450786-05)	88	95	85	106	0
MW-7B (L2450786-06)	89	96	86	105	0
MW-8A (L2450786-07)	90	97	86	104	0
MW-8B (L2450786-08)	91	96	87	105	0
MW-10A (L2450786-09)	89	96	87	106	0
MW-10B (L2450786-10)	89	96	87	102	0
DUP (L2450786-12)	106	101	97	109	0
TRIP BLANK (L2450786-14)	107	102	98	108	0
WG1969667-3LCS	120	106	95	112	0
WG1969667-4LCSD	115	104	96	107	0
WG1969667-5BLANK	105	102	99	105	0
WG1970185-3LCS	85	98	91	100	0
WG1970185-4LCSD	84	97	87	100	0
WG1970185-5BLANK	89	96	87	105	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client : P. W. Grosser **Lab Number** : L2450786
Project Name : ROANOKE SAND + GRAVEL **Project Number** : BSD1504
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1969667-3 **Analysis Date** : 09/10/24 06:37 **File ID** : V30240910A01
LCSD Sample ID : WG1969667-4 **Analysis Date** : 09/10/24 06:59 **File ID** : V30240910A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	12	120	10	11	110	9	70-130	20
1,1-Dichloroethane	10	13	130	10	12	120	8	70-130	20
Chloroform	10	13	130	10	11	110	17	70-130	20
Carbon tetrachloride	10	9.2	92	10	7.5	75	20	63-132	20
1,2-Dichloropropane	10	11	110	10	10	100	10	70-130	20
Dibromochloromethane	10	11	110	10	9.9	99	11	63-130	20
1,1,2-Trichloroethane	10	12	120	10	12	120	0	70-130	20
Tetrachloroethene	10	11	110	10	9.3	93	17	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	10	100	10	9.0	90	11	62-150	20
1,2-Dichloroethane	10	11	110	10	10	100	10	70-130	20
1,1,1-Trichloroethane	10	9.5	95	10	7.8	78	20	67-130	20
Bromodichloromethane	10	10	100	10	9.0	90	11	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	10	100	10	70-130	20
cis-1,3-Dichloropropene	10	9.7	97	10	9.1	91	6	70-130	20
1,1-Dichloropropene	10	9.4	94	10	8.0	80	16	70-130	20
Bromoform	10	10	100	10	10	100	0	54-136	20
1,1,2,2-Tetrachloroethane	10	12	120	10	13	130	8	67-130	20
Benzene	10	11	110	10	9.9	99	11	70-130	20
Toluene	10	12	120	10	10	100	18	70-130	20
Ethylbenzene	10	11	110	10	9.8	98	12	70-130	20
Chloromethane	10	10	100	10	9.5	95	5	64-130	20
Bromomethane	10	7.7	77	10	7.4	74	4	39-139	20
Vinyl chloride	10	12	120	10	10	100	18	55-140	20
Chloroethane	10	11	110	10	10	100	10	55-138	20
1,1-Dichloroethene	10	11	110	10	9.4	94	16	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1969667-3	**Analysis Date** : 09/10/24 06:37	**File ID** : V30240910A01
LCSD Sample ID	: WG1969667-4	**Analysis Date** : 09/10/24 06:59	**File ID** : V30240910A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	12	120	10	9.8	98	20	70-130	20
Trichloroethene	10	9.8	98	10	8.4	84	15	70-130	20
1,2-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,3-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,4-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
Methyl tert butyl ether	10	7.6	76	10	7.5	75	1	63-130	20
p/m-Xylene	20	22	110	20	20	100	10	70-130	20
o-Xylene	20	22	110	20	19	95	15	70-130	20
cis-1,2-Dichloroethene	10	12	120	10	10	100	18	70-130	20
Dibromomethane	10	12	120	10	11	110	9	70-130	20
1,2,3-Trichloropropane	10	12	120	10	12	120	0	64-130	20
Acrylonitrile	10	12	120	10	12	120	0	70-130	20
Styrene	20	23	115	20	21	105	9	70-130	20
Dichlorodifluoromethane	10	9.8	98	10	8.8	88	11	36-147	20
Acetone	10	13	130	10	13	130	0	58-148	20
Carbon disulfide	10	12	120	10	9.9	99	19	51-130	20
2-Butanone	10	11	110	10	11	110	0	63-138	20
Vinyl acetate	10	9.5	95	10	9.6	96	1	70-130	20
4-Methyl-2-pentanone	10	9.8	98	10	11	110	12	59-130	20
2-Hexanone	10	9.7	97	10	11	110	13	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	10	11	110	10	8.8	88	22 Q	63-133	20
1,2-Dibromoethane	10	12	120	10	12	120	0	70-130	20
1,3-Dichloropropane	10	12	120	10	11	110	9	70-130	20
1,1,1,2-Tetrachloroethane	10	11	110	10	10	100	10	64-130	20
Bromobenzene	10	10	100	10	9.4	94	6	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : P. W. Grosser
Project Name : ROANOKE SAND + GRAVEL
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1969667-3 **Analysis Date** : 09/10/24 06:37 **File ID** : V30240910A01
LCSD Sample ID : WG1969667-4 **Analysis Date** : 09/10/24 06:59 **File ID** : V30240910A02
Lab Number : L2450786
Project Number : BSD1504

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	12	120	10	10	100	18	53-136	20
sec-Butylbenzene	10	11	110	10	9.5	95	15	70-130	20
tert-Butylbenzene	10	10	100	10	9.1	91	9	70-130	20
o-Chlorotoluene	10	11	110	10	10	100	10	70-130	20
p-Chlorotoluene	10	11	110	10	10	100	10	70-130	20
1,2-Dibromo-3-chloropropane	10	11	110	10	12	120	9	41-144	20
Hexachlorobutadiene	10	10	100	10	8.9	89	12	63-130	20
Isopropylbenzene	10	9.9	99	10	9.0	90	10	70-130	20
p-Isopropyltoluene	10	10	100	10	9.0	90	11	70-130	20
Naphthalene	10	9.4	94	10	9.4	94	0	70-130	20
n-Propylbenzene	10	11	110	10	10	100	10	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	9.8	98	2	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	9.3	93	7	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	9.5	95	5	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	9.5	95	5	70-130	20
1,4-Dioxane	500	570	114	500	560	112	2	56-162	20
p-Diethylbenzene	10	10	100	10	8.7	87	14	70-130	20
p-Ethyltoluene	10	10	100	10	9.4	94	6	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.9	89	10	7.9	79	12	70-130	20
Ethyl ether	10	9.9	99	10	8.9	89	11	59-134	20
trans-1,4-Dichloro-2-butene	10	12	120	10	12	120	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1970185-3	**Analysis Date** : 09/10/24 08:34	**File ID** : VE240910A01
LCSD Sample ID	: WG1970185-4	**Analysis Date** : 09/10/24 08:59	**File ID** : VE240910A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	9.9	99	1	70-130	20
1,1-Dichloroethane	10	10	100	10	9.9	99	1	70-130	20
Chloroform	10	10	100	10	9.7	97	3	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	10	9.7	97	10	9.6	96	1	70-130	20
Dibromochloromethane	10	9.4	94	10	9.5	95	1	63-130	20
1,1,2-Trichloroethane	10	9.2	92	10	9.1	91	1	70-130	20
Tetrachloroethene	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	11	110	10	9.7	97	13	62-150	20
1,2-Dichloroethane	10	8.8	88	10	8.7	87	1	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	9.7	97	10	9.5	95	2	67-130	20
trans-1,3-Dichloropropene	10	8.6	86	10	8.6	86	0	70-130	20
cis-1,3-Dichloropropene	10	9.8	98	10	9.6	96	2	70-130	20
1,1-Dichloropropene	10	11	110	10	10	100	10	70-130	20
Bromoform	10	9.2	92	10	8.9	89	3	54-136	20
1,1,2,2-Tetrachloroethane	10	8.3	83	10	8.3	83	0	67-130	20
Benzene	10	11	110	10	10	100	10	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	9.0	90	10	8.6	86	5	64-130	20
Bromomethane	10	10	100	10	9.4	94	6	39-139	20
Vinyl chloride	10	11	110	10	10	100	10	55-140	20
Chloroethane	10	11	110	10	10	100	10	55-138	20
1,1-Dichloroethene	10	11	110	10	10	100	10	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1970185-3 **Analysis Date** : 09/10/24 08:34	**File ID**	: VE240910A01
LCSD Sample ID	: WG1970185-4 **Analysis Date** : 09/10/24 08:59	**File ID**	: VE240910A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	12	120		10	11	110	9	70-130	20
Trichloroethene	10	11	110		10	11	110	0	70-130	20
1,2-Dichlorobenzene	10	10	100		10	10	100	0	70-130	20
1,3-Dichlorobenzene	10	11	110		10	10	100	10	70-130	20
1,4-Dichlorobenzene	10	11	110		10	10	100	10	70-130	20
Methyl tert butyl ether	10	8.4	84		10	8.6	86	2	63-130	20
p/m-Xylene	20	22	110		20	22	110	0	70-130	20
o-Xylene	20	22	110		20	21	105	5	70-130	20
cis-1,2-Dichloroethene	10	11	110		10	10	100	10	70-130	20
Dibromomethane	10	9.4	94		10	9.4	94	0	70-130	20
1,2,3-Trichloropropane	10	8.3	83		10	8.3	83	0	64-130	20
Acrylonitrile	10	7.3	73		10	7.2	72	1	70-130	20
Styrene	20	22	110		20	21	105	5	70-130	20
Dichlorodifluoromethane	10	10	100		10	9.7	97	3	36-147	20
Acetone	10	5.6	56	Q	10	6.4	64	13	58-148	20
Carbon disulfide	10	11	110		10	10	100	10	51-130	20
2-Butanone	10	5.8	58	Q	10	6.3	63	8	63-138	20
Vinyl acetate	10	7.9	79		10	6.9	69	Q 14	70-130	20
4-Methyl-2-pentanone	10	6.6	66		10	6.8	68	3	59-130	20
2-Hexanone	10	5.3	53	Q	10	5.6	56	Q 6	57-130	20
Bromochloromethane	10	11	110		10	11	110	0	70-130	20
2,2-Dichloropropane	10	10	100		10	9.8	98	2	63-133	20
1,2-Dibromoethane	10	9.0	90		10	9.0	90	0	70-130	20
1,3-Dichloropropane	10	9.0	90		10	9.1	91	1	70-130	20
1,1,1,2-Tetrachloroethane	10	10	100		10	10	100	0	64-130	20
Bromobenzene	10	11	110		10	10	100	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1970185-3	**Analysis Date** : 09/10/24 08:34	**File ID** : VE240910A01
LCSD Sample ID	: WG1970185-4	**Analysis Date** : 09/10/24 08:59	**File ID** : VE240910A02

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	10	100		10	9.6	96	4	53-136	20
sec-Butylbenzene	10	11	110		10	10	100	10	70-130	20
tert-Butylbenzene	10	11	110		10	10	100	10	70-130	20
o-Chlorotoluene	10	10	100		10	9.8	98	2	70-130	20
p-Chlorotoluene	10	10	100		10	9.6	96	4	70-130	20
1,2-Dibromo-3-chloropropane	10	7.3	73		10	7.3	73	0	41-144	20
Hexachlorobutadiene	10	11	110		10	10	100	10	63-130	20
Isopropylbenzene	10	11	110		10	10	100	10	70-130	20
p-Isopropyltoluene	10	11	110		10	10	100	10	70-130	20
Naphthalene	10	7.9	79		10	8.2	82	4	70-130	20
n-Propylbenzene	10	10	100		10	9.9	99	1	69-130	20
1,2,3-Trichlorobenzene	10	9.1	91		10	9.3	93	2	70-130	20
1,2,4-Trichlorobenzene	10	10	100		10	9.8	98	2	70-130	20
1,3,5-Trimethylbenzene	10	10	100		10	10	100	0	64-130	20
1,2,4-Trimethylbenzene	10	10	100		10	10	100	0	70-130	20
1,4-Dioxane	500	340	68		500	370	74	8	56-162	20
p-Diethylbenzene	10	10	100		10	9.9	99	1	70-130	20
p-Ethyltoluene	10	11	110		10	10	100	10	70-130	20
1,2,4,5-Tetramethylbenzene	10	9.7	97		10	9.2	92	5	70-130	20
Ethyl ether	10	9.4	94		10	9.4	94	0	59-134	20
trans-1,4-Dichloro-2-butene	10	6.8	68	Q	10	6.7	67	Q	1	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1969667-5	**Lab File ID**	: V30240910A05
Instrument ID	: VOA130		
Matrix	: WATER	**Analysis Date**	: 09/10/24 08:05

Client Sample No.	Lab Sample ID	Analysis Date
WG1969667-3LCS	WG1969667-3	09/10/24 06:37
WG1969667-4LCSD	WG1969667-4	09/10/24 06:59
DUP	L2450786-12	09/10/24 16:07
TRIP BLANK	L2450786-14	09/10/24 16:29

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1970185-5	**Lab File ID**	: VE240910A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 09/10/24 10:12

Client Sample No.	Lab Sample ID	Analysis Date
WG1970185-3LCS	WG1970185-3	09/10/24 08:34
WG1970185-4LCSD	WG1970185-4	09/10/24 08:59
MW-5A	L2450786-01	09/10/24 10:37
MW-5B	L2450786-02	09/10/24 11:01
MW-6A	L2450786-03	09/10/24 11:26
MW-6B	L2450786-04	09/10/24 11:50
MW-7A	L2450786-05	09/10/24 12:15
MW-7B	L2450786-06	09/10/24 12:39
MW-8A	L2450786-07	09/10/24 13:04
MW-8B	L2450786-08	09/10/24 13:28
MW-10A	L2450786-09	09/10/24 13:53
MW-10B	L2450786-10	09/10/24 14:18

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 07/31/24 17:25
Tune Standard	: WG1954249-1	**Tune File ID**	: VE240731NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 80.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	83.7
175	5.0 - 9.0% of mass 174	6 (7.1)1
176	Greater than 95.0% but less than 101% of mass	80.5 (96.2)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1859523-1	VE240731N03	07/31/24 18:35
STD0.5PPB	R1859523-2	VE240731N05	07/31/24 19:26
STD2PPB	R1859523-4	VE240731N07	07/31/24 20:16
STD10PPB	R1859523-3	VE240731N08	07/31/24 20:42
STD30PPB	R1859523-5	VE240731N09	07/31/24 21:07
STD80PPB	R1859523-6	VE240731N10	07/31/24 21:32
STD120PPB	R1859523-7	VE240731N11	07/31/24 21:57
STD200PPB	R1859523-8	VE240731N12	07/31/24 22:22
ICV Quant Report	R1859523-9	VE240731N17	08/01/24 00:28

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 09/10/24 08:20
Tune Standard	: WG1970185-1	**Tune File ID**	: VE240910ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 80.0% of mass 95	46.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (.5)1
174	Greater than 50.0% of mass 95	98.9
175	5.0 - 9.0% of mass 174	6.7 (6.7)1
176	Greater than 95.0% but less than 101% of mass	94.1 (95.1)1
177	5.0 - 9.0% of mass 176	5.8 (6.2)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1970185-2CCAL	WG1970185-2	VE240910A01	09/10/24 08:34
WG1970185-3LCS	WG1970185-3	VE240910A01	09/10/24 08:34
WG1970185-4LCSD	WG1970185-4	VE240910A02	09/10/24 08:59
WG1970185-5BLANK	WG1970185-5	VE240910A05	09/10/24 10:12
MW-5A	L2450786-01	VE240910A06	09/10/24 10:37
MW-5B	L2450786-02	VE240910A07	09/10/24 11:01
MW-6A	L2450786-03	VE240910A08	09/10/24 11:26
MW-6B	L2450786-04	VE240910A09	09/10/24 11:50
MW-7A	L2450786-05	VE240910A10	09/10/24 12:15
MW-7B	L2450786-06	VE240910A11	09/10/24 12:39
MW-8A	L2450786-07	VE240910A12	09/10/24 13:04
MW-8B	L2450786-08	VE240910A13	09/10/24 13:28
MW-10A	L2450786-09	VE240910A14	09/10/24 13:53
MW-10B	L2450786-10	VE240910A15	09/10/24 14:18

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 08/16/24 20:39
Tune Standard	: WG1961896-1	**Tune File ID**	: V30240816NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 80.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (.8)1
174	Greater than 50.0% of mass 95	79.1
175	5.0 - 9.0% of mass 174	6 (7.6)1
176	Greater than 95.0% but less than 101% of mass	77.6 (98.1)1
177	5.0 - 9.0% of mass 176	5 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1866595-1	V30240816N04	08/16/24 22:06
STD0.5PPB	R1866595-2	V30240816N06	08/16/24 22:49
STD2PPB	R1866595-4	V30240816N08	08/16/24 23:33
STD10PPB	R1866595-3	V30240816N10	08/17/24 00:16
STD30PPB	R1866595-6	V30240816N11	08/17/24 00:38
STD80PPB	R1866595-5	V30240816N12	08/17/24 01:00
STD120PPB	R1866595-7	V30240816N13	08/17/24 01:22
STD200PPB	R1866595-8	V30240816N14	08/17/24 01:44
Correlation Data Summary	R1866595-9	V30240816N19	08/17/24 03:32
ICV Quant Report	R1866595-9	V30240816N19	08/17/24 03:32

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 09/10/24 06:25
Tune Standard	: WG1969667-1	**Tune File ID**	: V30240910ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 80.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.3)1
174	Greater than 50.0% of mass 95	75.7
175	5.0 - 9.0% of mass 174	5.7 (7.5)1
176	Greater than 95.0% but less than 101% of mass	73.2 (96.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1969667-2CCAL	WG1969667-2	V30240910A01	09/10/24 06:37
WG1969667-3LCS	WG1969667-3	V30240910A01	09/10/24 06:37
WG1969667-4LCSD	WG1969667-4	V30240910A02	09/10/24 06:59
WG1969667-5BLANK	WG1969667-5	V30240910A05	09/10/24 08:05
DUP	L2450786-12	V30240910A25	09/10/24 16:07
TRIP BLANK	L2450786-14	V30240910A26	09/10/24 16:29

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 09/10/24 06:37:00
Sample No	: WG1969667-2	**Lab File ID**	: V30240910A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1969667-2	297219	6.09	233516	9.64	133889	12.33
Upper Limit	594438	6.59	467032	10.14	267778	12.83
Lower Limit	148610	5.59	116758	9.14	66945	11.83
Sample ID						
WG1969667-3 LCS	297219	6.09	233516	9.64	133889	12.33
WG1969667-4 LCSD	308067	6.10	248716	9.64	139594	12.33
WG1969667-5 BLANK	293661	6.10	218755	9.64	119036	12.33
DUP	280055	6.10	209344	9.64	112106	12.33
TRIP BLANK	283182	6.10	212989	9.64	112616	12.33

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 09/10/24 08:34:00
Sample No	: WG1970185-2	**Lab File ID**	: VE240910A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1970185-2	302045	5.95	226148	9.49	128633	12.20
Upper Limit	604090	6.45	452296	9.99	257266	12.70
Lower Limit	151023	5.45	113074	8.99	64317	11.70
Sample ID						
WG1970185-3 LCS	302045	5.95	226148	9.49	128633	12.20
WG1970185-4 LCSD	295689	5.96	221213	9.49	130515	12.20
WG1970185-5 BLANK	281287	5.96	218285	9.49	126524	12.20
MW-5A	278166	5.96	212337	9.49	124731	12.20
MW-5B	276461	5.96	211727	9.49	121960	12.20
MW-6A	268280	5.95	210017	9.49	122598	12.20
MW-6B	268926	5.96	206830	9.49	120292	12.20
MW-7A	266932	5.96	207376	9.49	122405	12.20
MW-7B	265932	5.96	203918	9.49	120290	12.20
MW-8A	265821	5.96	203464	9.49	119969	12.20
MW-8B	263610	5.96	203832	9.49	118420	12.20
MW-10A	261846	5.96	203933	9.49	117887	12.20
MW-10B	265132	5.96	204187	9.49	119126	12.20

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/15/23
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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 10:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A06	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 10:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A06	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 10:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A06	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 10:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A06	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A07	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A08	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A08	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A08	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A08	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A09	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A09	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A09	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 11:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A09	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A10	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A11	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.81	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	0.24	0.50	0.19	J
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A12	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A13	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A14	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: VE240910A15	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A25	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.80	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A25	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.2	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A25	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A25	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-14	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A26	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-14	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A26	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-14	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A26	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-14	**Date Collected**	: 09/04/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V30240910A26	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1969667-5	**Date Collected**	: NA
Client ID	: WG1969667-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 08:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240910A05	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1969667-5	**Date Collected**	: NA
Client ID	: WG1969667-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 08:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240910A05	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1969667-5	**Date Collected**	: NA
Client ID	: WG1969667-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 08:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240910A05	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1969667-5	**Date Collected**	: NA
Client ID	: WG1969667-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 08:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240910A05	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1970185-5	**Date Collected**	: NA
Client ID	: WG1970185-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 10:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1970185-5	**Date Collected**	: NA
Client ID	: WG1970185-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 10:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1970185-5	**Date Collected**	: NA
Client ID	: WG1970185-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 10:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1970185-5	**Date Collected**	: NA
Client ID	: WG1970185-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 10:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE240910A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A25.D
Acq On : 10 Sep 2024 04:07 pm
Operator : VOA130:MJV
Sample : L2450786-12,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 04:56:18 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	280055	10.000	ug/L	0.00
Standard Area 1 = 297219			Recovery = 94.23%			
63) Chlorobenzene-d5	9.644	117	209344	10.000	ug/L	0.00
Standard Area 1 = 233516			Recovery = 89.65%			
84) 1,4-Dichlorobenzene-d4	12.328	152	112106	10.000	ug/L	0.00
Standard Area 1 = 133889			Recovery = 83.73%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	80064	10.944	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.44%			
47) 1,2-Dichloroethane-d4	5.806	65	74357	10.633	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.33%			
64) Toluene-d8	7.798	98	273853	10.147	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.47%			
88) 4-Bromofluorobenzene	11.128	95	95753	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.863	50	237	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	2.403	64	203	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.048	76	548	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.614	43	1536	2.193	ug/L	90
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.103	83	6520	0.800	ug/L #	93

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A25.D
Acq On : 10 Sep 2024 04:07 pm
Operator : VOA130:MJV
Sample : L2450786-12,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 04:56:18 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
52) Trichloroethene	6.220	95	108	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	6.897	83	1012	0.180	ug/L #	96
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	8.737	129	103	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.644	91	349	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.123	91	251	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	0.000		0	N.D.		
94) 2-Chlorotoluene	0.000		0	N.D.		
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
96) 1,2,3-Trichloropropane	0.000		0	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	0.000		0	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A25.D
Acq On : 10 Sep 2024 04:07 pm
Operator : VOA130:MJV
Sample : L2450786-12,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 04:56:18 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

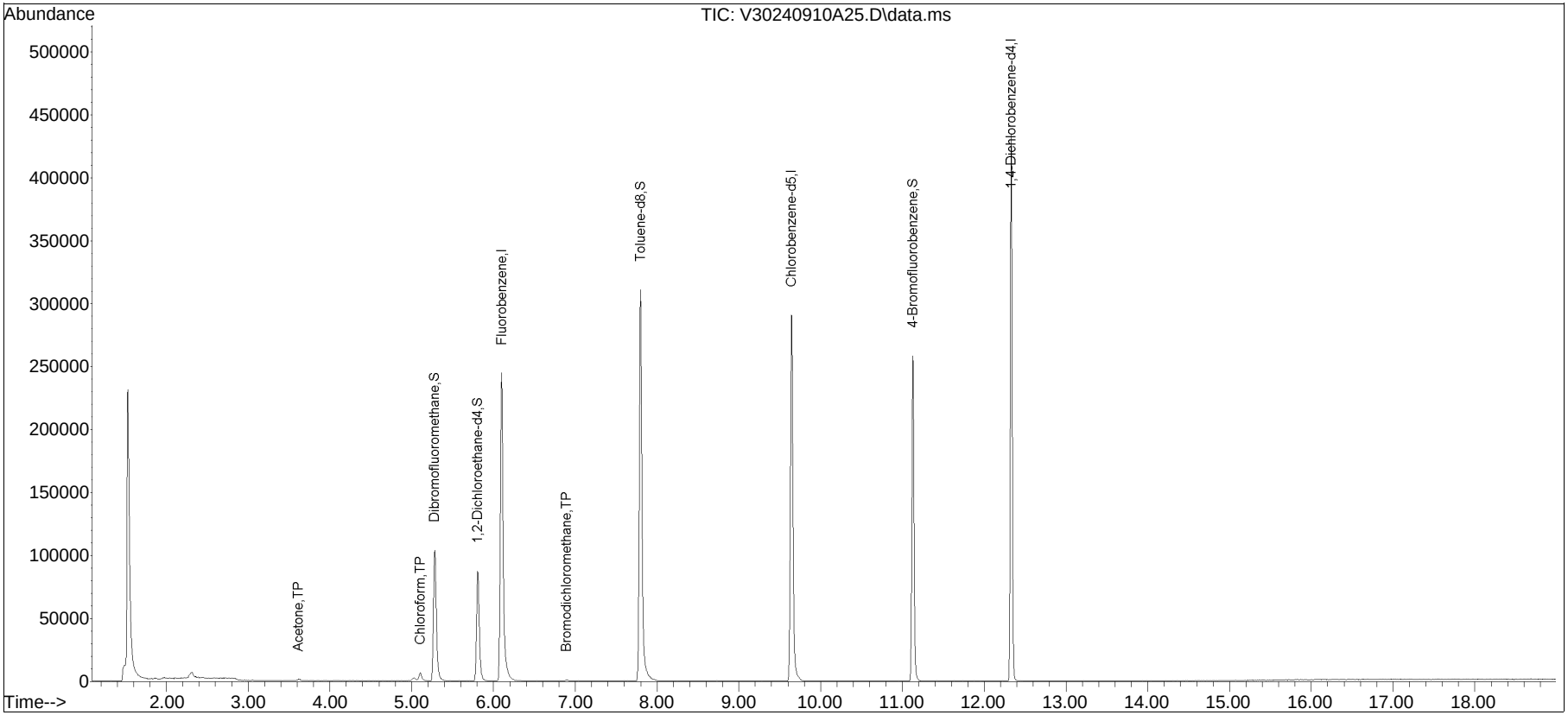
(#) = qualifier out of range (m) = manual integration (+) = signals summed

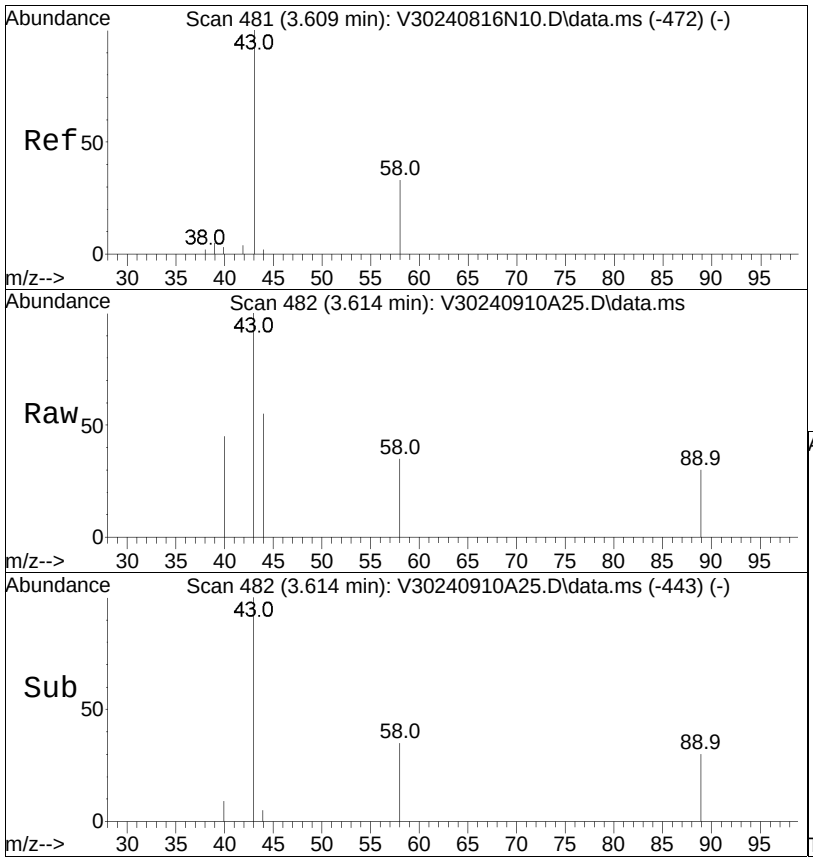
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A25.D
Acq On : 10 Sep 2024 04:07 pm
Operator : VOA130:MJV
Sample : L2450786-12,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 11 04:56:18 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox240910A01.D•

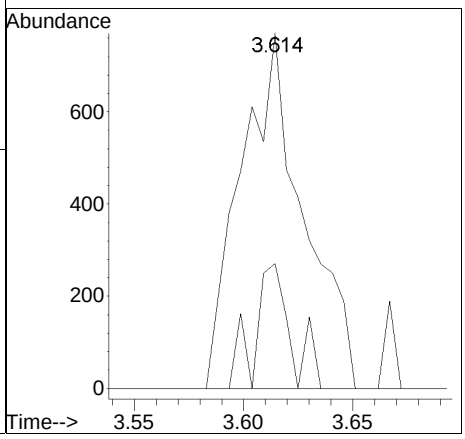


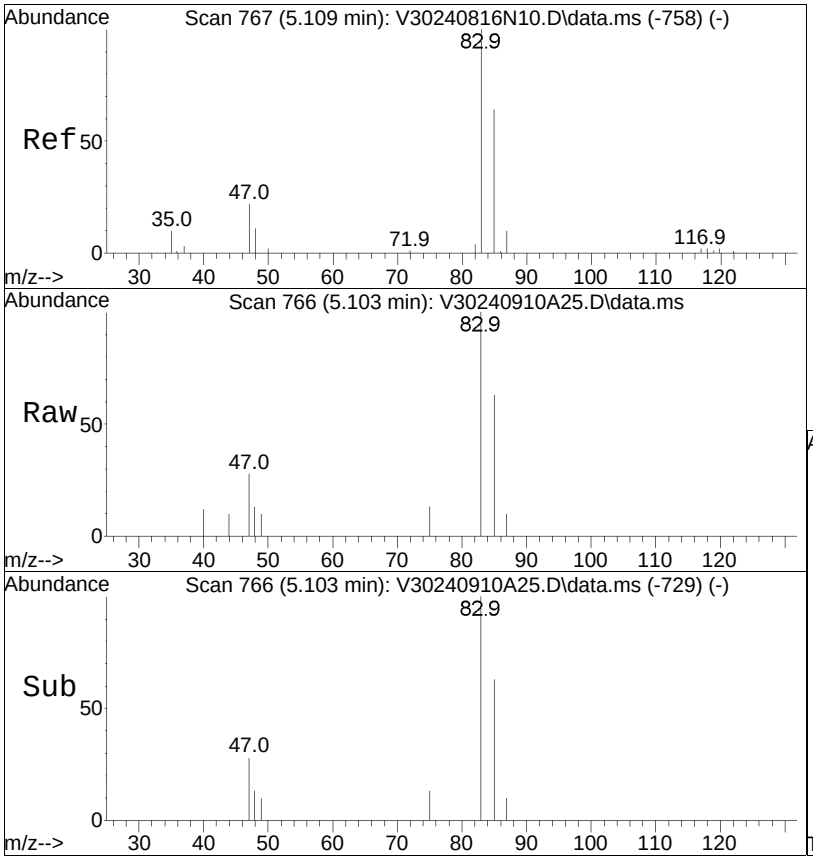


#17
Acetone
Concen: 2.19 ug/L
RT: 3.614 min Scan# 482
Delta R.T. 0.005 min
Lab File: V30240910A25.D
Acq: 10 Sep 2024 04:07 pm

Tgt Ion: 43 Resp: 1536

Ion	Ratio	Lower	Upper
43	100		
58	20.3	20.1	30.1

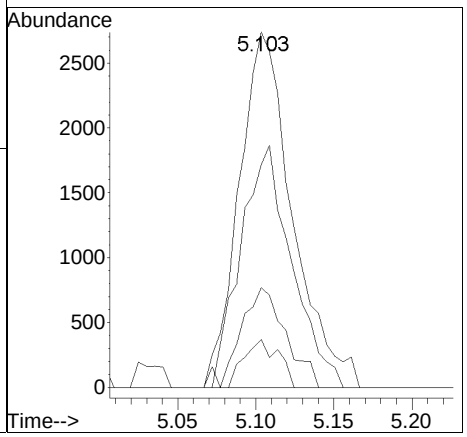


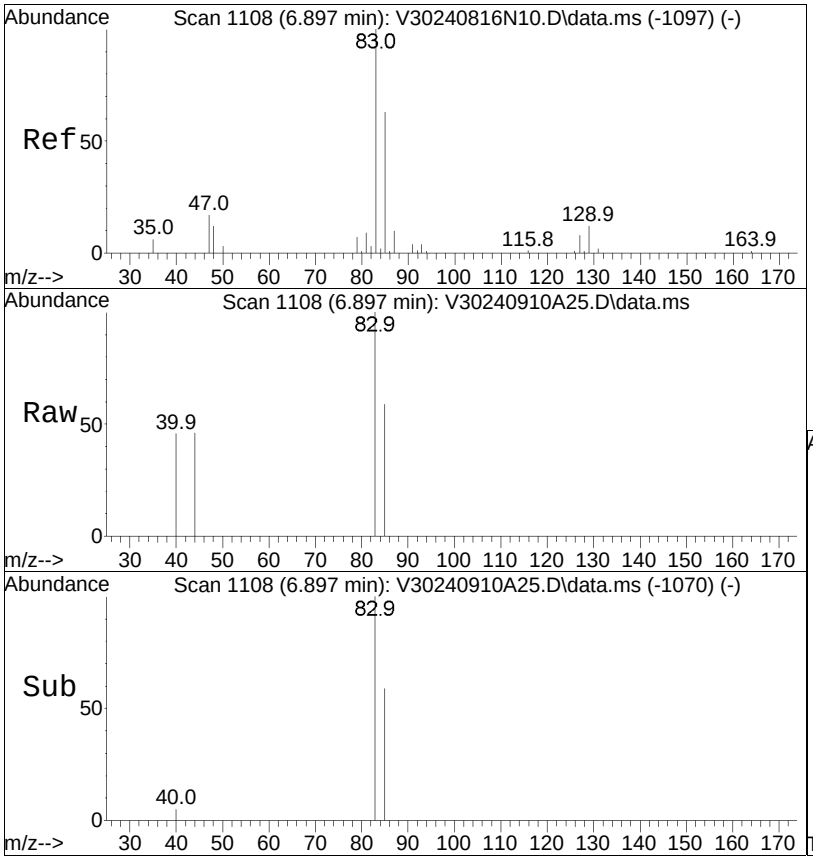


#35
Chloroform
Concen: 0.80 ug/L
RT: 5.103 min Scan# 766
Delta R.T. -0.006 min
Lab File: V30240910A25.D
Acq: 10 Sep 2024 04:07 pm

Tgt Ion: 83 Resp: 6520

Ion	Ratio	Lower	Upper
83	100		
85	65.0	41.4	86.0
47	23.8	20.5	42.5
48	8.8	9.9	20.5#

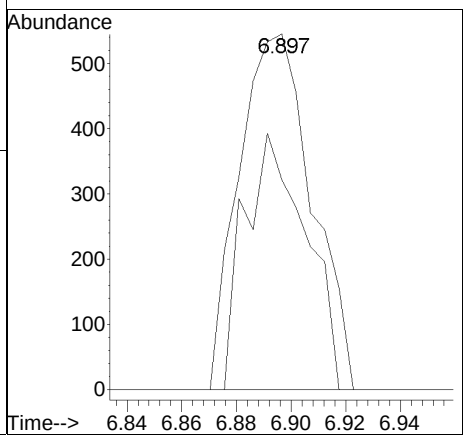




#58
Bromodichloromethane
Concen: 0.18 ug/L
RT: 6.897 min Scan# 1108
Delta R.T. -0.000 min
Lab File: V30240910A25.D
Acq: 10 Sep 2024 04:07 pm

Tgt Ion: 83 Resp: 1012

Ion	Ratio	Lower	Upper
83	100		
85	60.6	50.2	75.2
127	0.0	5.2	7.8#



Manual Integration Report

Data Path	: K:\VOA130\2024\240910A\	QMethod	: V130_240816N_8260D.m
Data File	: V30240910A25.D	Operator	: VOA130:MJV
Date Inj'd	: 9/10/2024 4:07 pm	Instrument	: VOA130
Sample	: L2450786-12,31,10,10,,A	Quant Date	: 9/11/2024 4:56 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A26.D
Acq On : 10 Sep 2024 04:29 pm
Operator : VOA130:MJV
Sample : L2450786-14,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 05:48:31 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.100	96	283182	10.000 ug/L	0.00
Standard Area 1 = 297219			Recovery =	95.28%	
63) Chlorobenzene-d5	9.644	117	212989	10.000 ug/L	0.00
Standard Area 1 = 233516			Recovery =	91.21%	
84) 1,4-Dichlorobenzene-d4	12.334	152	112616	10.000 ug/L	0.00
Standard Area 1 = 133889			Recovery =	84.11%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.282	113	79807	10.788 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.88%	
47) 1,2-Dichloroethane-d4	5.806	65	75538	10.683 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.83%	
64) Toluene-d8	7.798	98	280304	10.208 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.08%	
88) 4-Bromofluorobenzene	11.128	95	96925	9.816 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.16%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.053	76	247	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	5.025	77	49	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A26.D
Acq On : 10 Sep 2024 04:29 pm
Operator : VOA130:MJV
Sample : L2450786-14,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 05:48:31 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.		
43) 1,1-Dichloropropene	5.324	75	59	N.D.		
45) Benzene	5.685	78	973	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
52) Trichloroethene	6.220	95	63	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.856	92	994	0.090	ug/L	94
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.649	91	360	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.133	91	189	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	0.000		0	N.D.		
94) 2-Chlorotoluene	0.000		0	N.D.		
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
96) 1,2,3-Trichloropropane	0.000		0	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	0.000		0	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A26.D
Acq On : 10 Sep 2024 04:29 pm
Operator : VOA130:MJV
Sample : L2450786-14,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 05:48:31 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

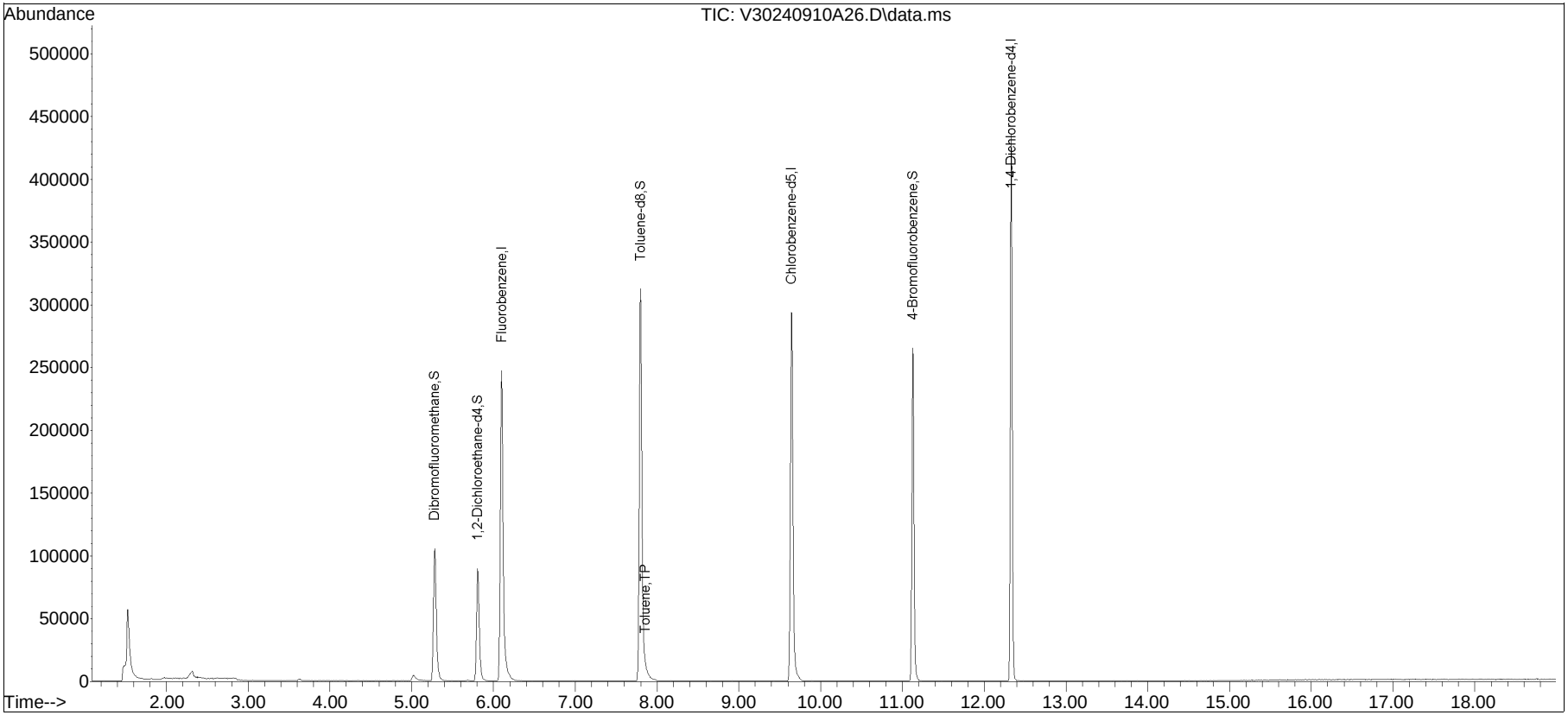
(#) = qualifier out of range (m) = manual integration (+) = signals summed

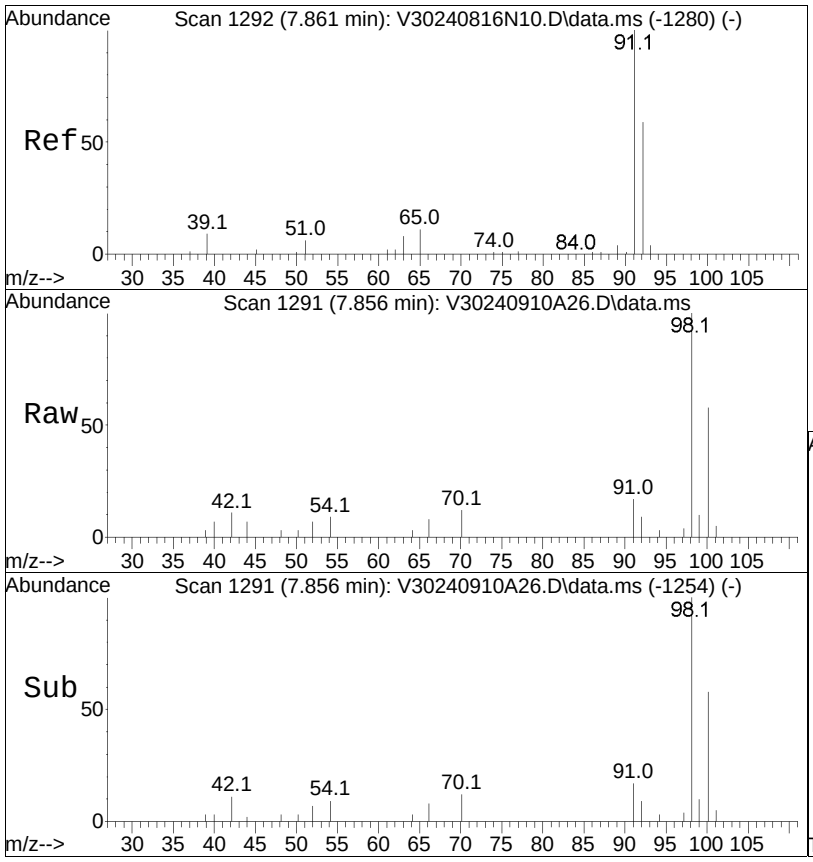
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A26.D
Acq On : 10 Sep 2024 04:29 pm
Operator : VOA130:MJV
Sample : L2450786-14,31,10,10,,A
Misc : WG1969667,ICAL21400
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Sep 11 05:48:31 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox240910A01.D•

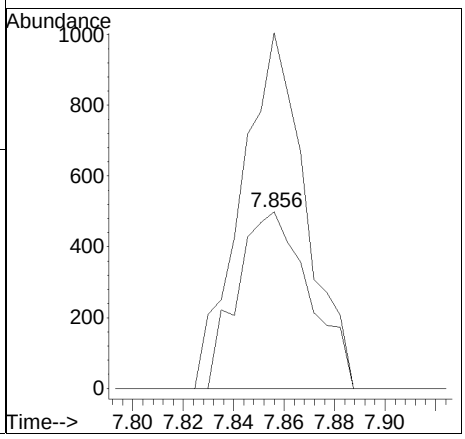




#65
Toluene
Concen: 0.09 ug/L
RT: 7.856 min Scan# 1291
Delta R.T. -0.005 min
Lab File: V30240910A26.D
Acq: 10 Sep 2024 04:29 pm

Tgt Ion: 92 Resp: 994

Ion	Ratio	Lower	Upper
92	100		
91	180.0	137.5	206.3



Manual Integration Report

Data Path	: K:\VOA130\2024\240910A\	QMethod	: V130_240816N_8260D.m
Data File	: V30240910A26.D	Operator	: VOA130:MJV
Date Inj'd	: 9/10/2024 4:29 pm	Instrument	: VOA130
Sample	: L2450786-14,31,10,10,,A	Quant Date	: 9/11/2024 4:56 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Acq On : 10 Sep 2024 10:37 am
Operator : ELAINE:RAW
Sample : L2450786-01,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 17:12:49 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.956	96	278166	10.000 ug/L	-0.01
Standard Area 1 = 302045			Recovery =	92.09%	
63) Chlorobenzene-d5	9.489	117	212337	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery =	93.89%	
84) 1,4-Dichlorobenzene-d4	12.202	152	124731	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery =	96.97%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.153	113	67890	10.426 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.26%	
47) 1,2-Dichloroethane-d4	5.671	65	74558	8.581 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	85.81%	
64) Toluene-d8	7.646	98	271343	9.701 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.01%	
88) 4-Bromofluorobenzene	10.987	95	99694	8.652 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.52%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.430	85	26	N.D.	
3) Chloromethane	1.773	50	259	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.161	94	135	0.393 ug/L #	12
6) Chloroethane	2.275	64	26	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.774	74	26	N.D.	
10) 1,1-Dichloroethene	2.780	96	30	N.D.	
11) Carbon disulfide	2.925	76	319	N.D.	
15) Methylene chloride	3.468	84	25	N.D.	
17) Acetone	3.491	43	939M1	0.460 ug/L	
18) trans-1,2-Dichloroethene	3.608	96	28	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	4.023	63	28	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.542	43	33	N.D.	
30) cis-1,2-Dichloroethene	4.768	96	97	N.D.	
31) 2,2-Dichloropropane	4.891	77	130	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.977	83	2377M1	0.255 ug/L	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Acq On : 10 Sep 2024 10:37 am
Operator : ELAINE:RAW
Sample : L2450786-01,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 17:12:49 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.270	43	25		N.D.	
43) 1,1-Dichloropropene	5.342	75	33		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	5.755	62	32		N.D.	
52) Trichloroethene	6.034	95	183		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	6.929	83	29		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.707	92	31		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.182	43	41		N.D.	
78) Chlorobenzene	9.503	112	31		N.D.	
79) Ethylbenzene	9.562	91	29		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	10.289	106	27		N.D.	
83) Styrene	10.345	104	27		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.669	105	60		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.148	91	234		N.D.	
92) 1,1,2,2-Tetrachloroethane	11.327	83	25		N.D.	
93) 4-Ethyltoluene	11.268	105	163		N.D.	
94) 2-Chlorotoluene	11.321	91	122		N.D.	
95) 1,3,5-Trimethylbenzene	11.383	105	45		N.D.	
96) 1,2,3-Trichloropropane	11.486	75	26		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.494	91	44		N.D.	
99) tert-Butylbenzene	11.706	119	36		N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Acq On : 10 Sep 2024 10:37 am
Operator : ELAINE:RAW
Sample : L2450786-01,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 17:12:49 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.798	105	123	N.D.		
103) sec-Butylbenzene	11.912	105	28	N.D.		
104) p-Isopropyltoluene	12.055	119	117	N.D.		
105) 1,3-Dichlorobenzene	12.127	146	175	N.D.		
106) 1,4-Dichlorobenzene	12.214	146	72	N.D.		
107) p-Diethylbenzene	12.434	119	109	N.D.		
108) n-Butylbenzene	12.490	91	424	N.D.		
109) 1,2-Dichlorobenzene	12.635	146	27	N.D.		
110) 1,2,4,5-Tetramethylben...	13.220	119	134	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	14.023	225	252	0.071	ug/L #	57
114) 1,2,4-Trichlorobenzene	14.054	180	116	N.D.		
115) Naphthalene	14.358	128	703	N.D.		
116) 1,2,3-Trichlorobenzene	14.514	180	340	N.D.		

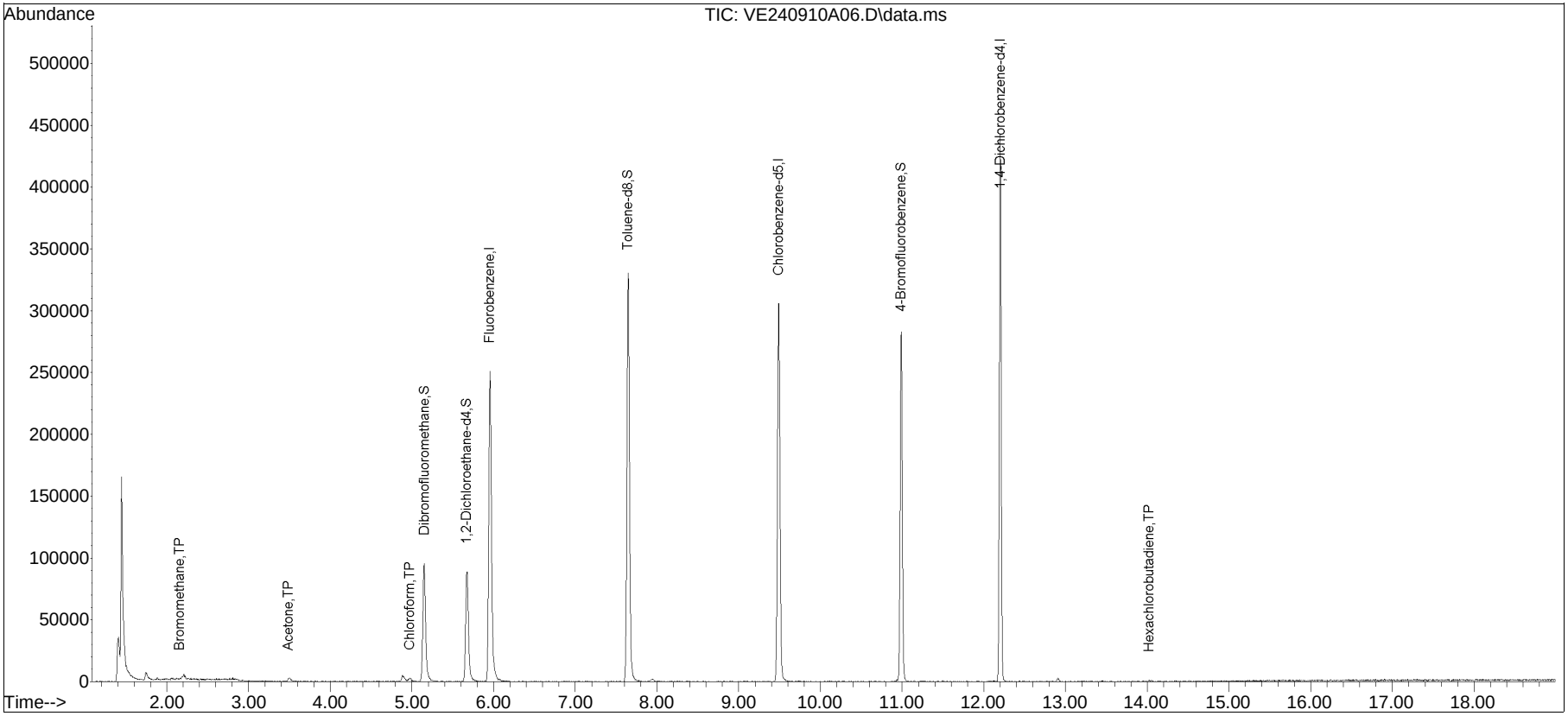
(#) = qualifier out of range (m) = manual integration (+) = signals summed

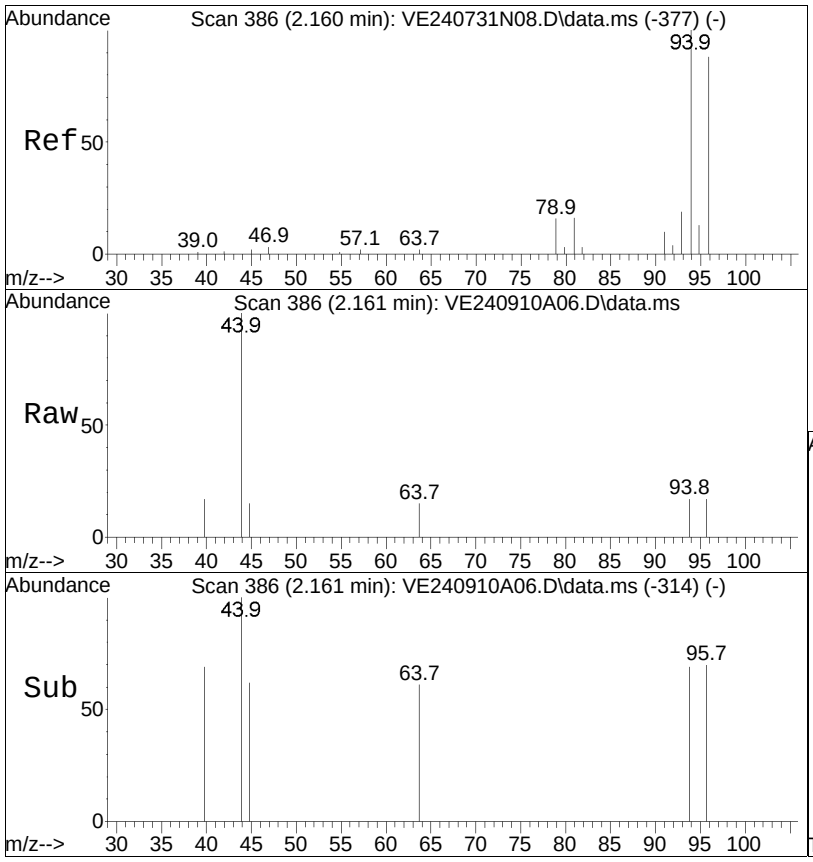
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Acq On : 10 Sep 2024 10:37 am
Operator : ELAINE:RAW
Sample : L2450786-01,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 17:12:49 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

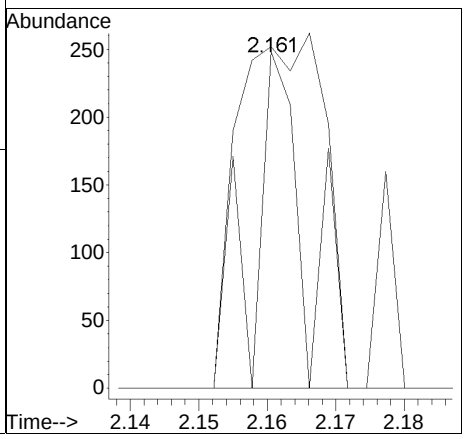


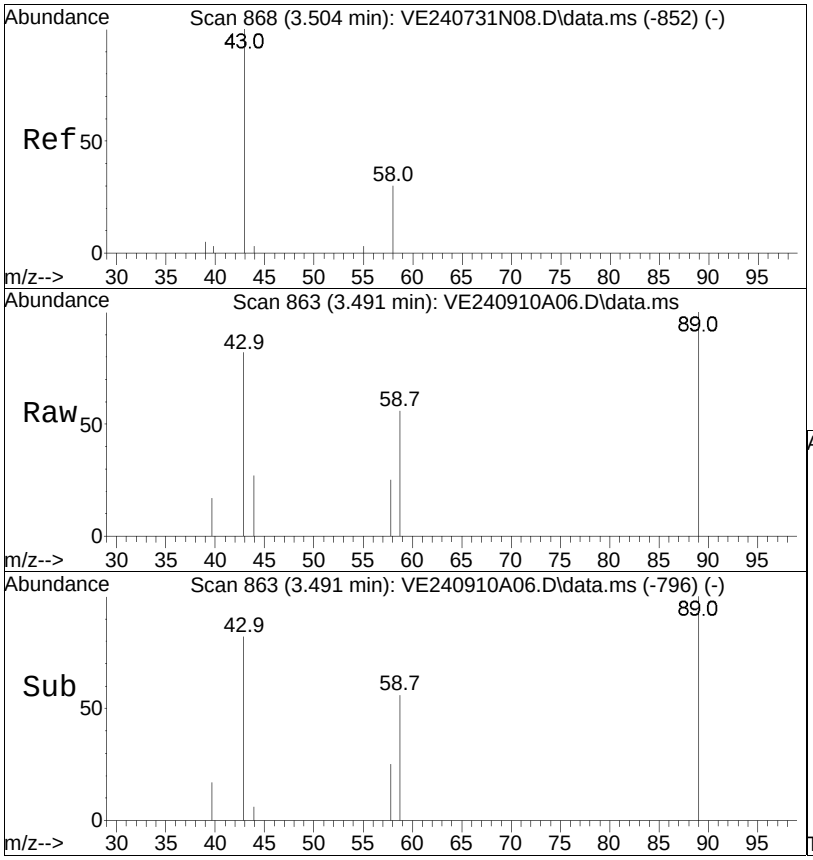


#5
Bromomethane
Concen: 0.39 ug/L
RT: 2.161 min Scan# 386
Delta R.T. 0.001 min
Lab File: VE240910A06.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion: 94 Resp: 135

Ion	Ratio	Lower	Upper
94	100		
96	170.4	68.2	108.2#

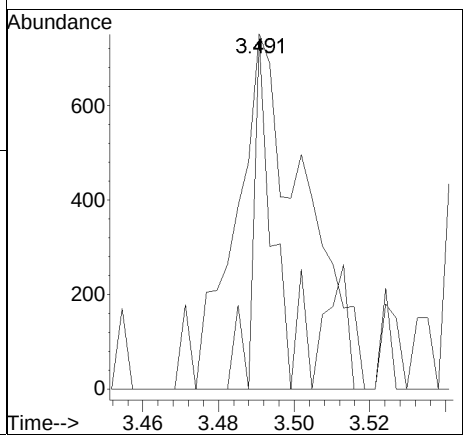


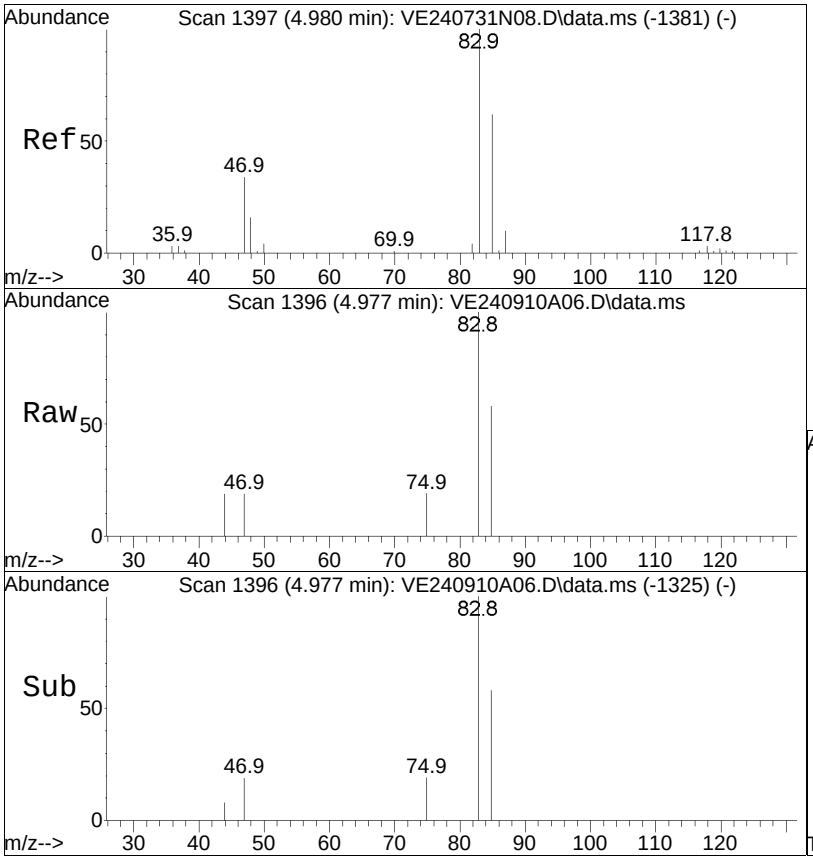


#17
Acetone
Concen: 0.46 ug/L M1
RT: 3.491 min Scan# 863
Delta R.T. -0.013 min
Lab File: VE240910A06.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion: 43 Resp: 939

Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.4	35.0

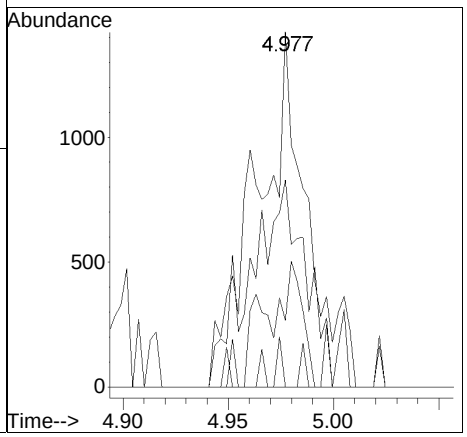


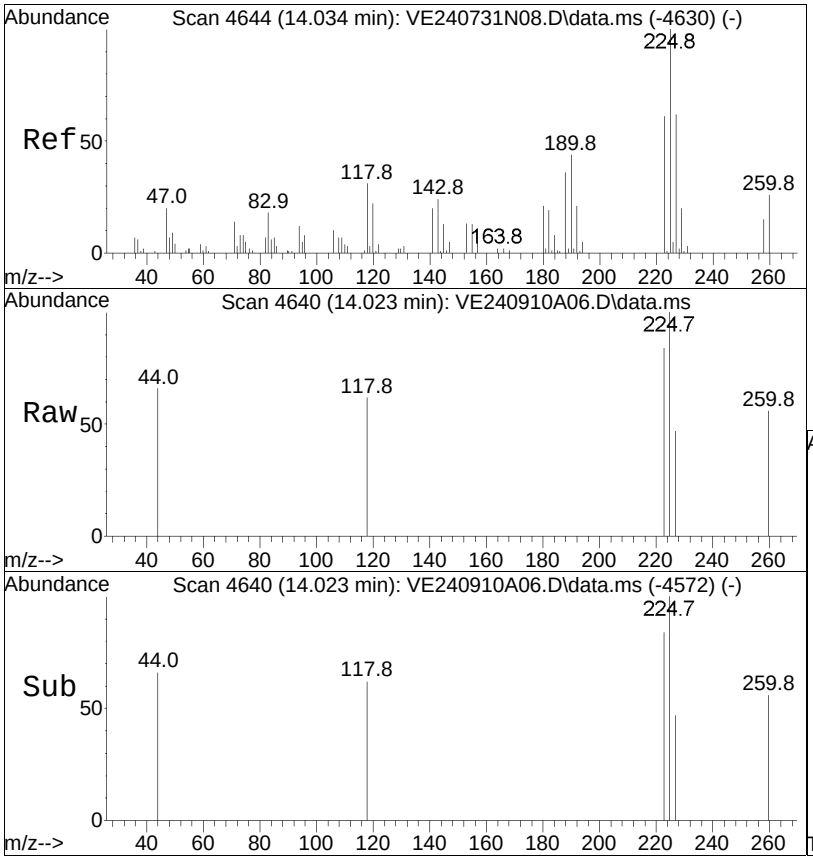


#35
Chloroform
Concen: 0.26 ug/L M1
RT: 4.977 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VE240910A06.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion: 83 Resp: 2377

Ion	Ratio	Lower	Upper
83	100		
85	53.9	41.3	85.9
47	14.2	20.9	43.3#
48	1.4	10.3	21.5#

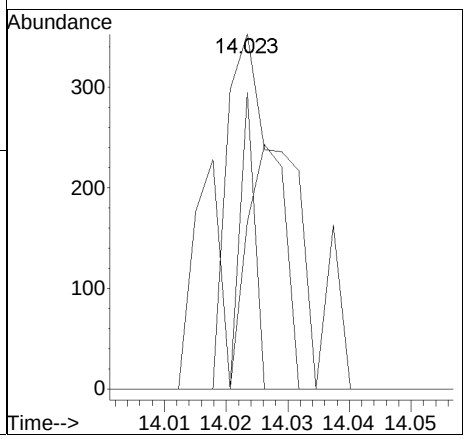




#113
Hexachlorobutadiene
Concen: 0.07 ug/L
RT: 14.023 min Scan# 4640
Delta R.T. -0.011 min
Lab File: VE240910A06.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:225 Resp: 252

Ion	Ratio	Lower	Upper
225	100		
223	27.0	54.6	82.0#
227	41.7	56.2	84.4#

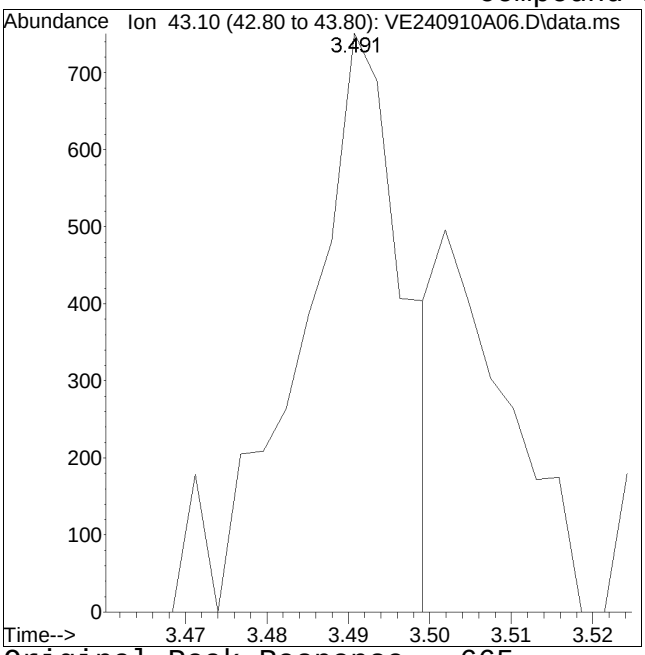


Manual Integration Report

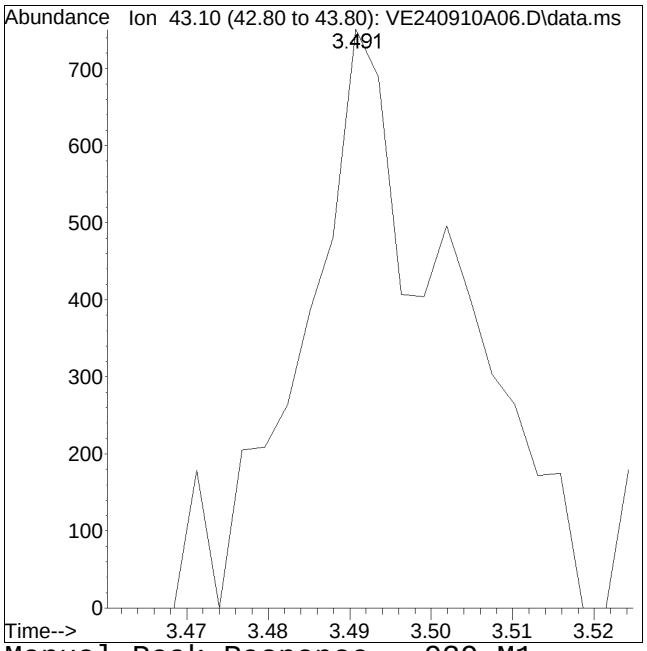
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Date Inj'd : 9/10/2024 10:37 am
Sample : L2450786-01,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 665



Manual Peak Response = 939 M1

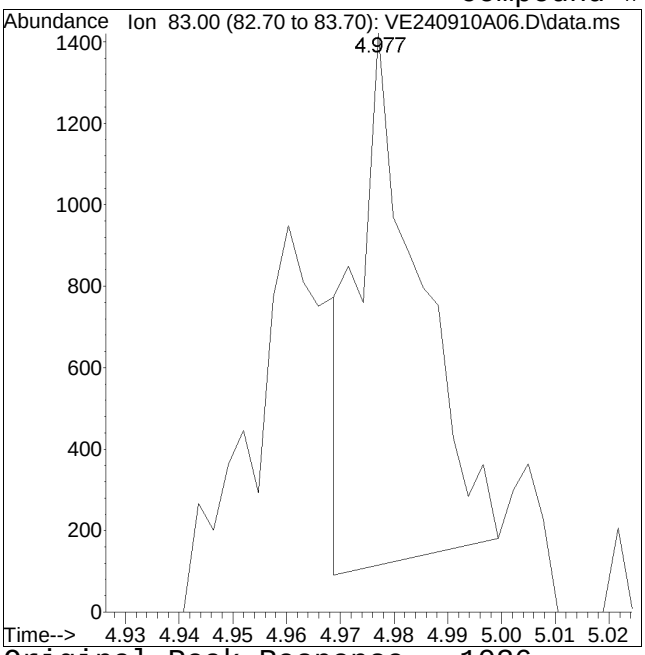
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

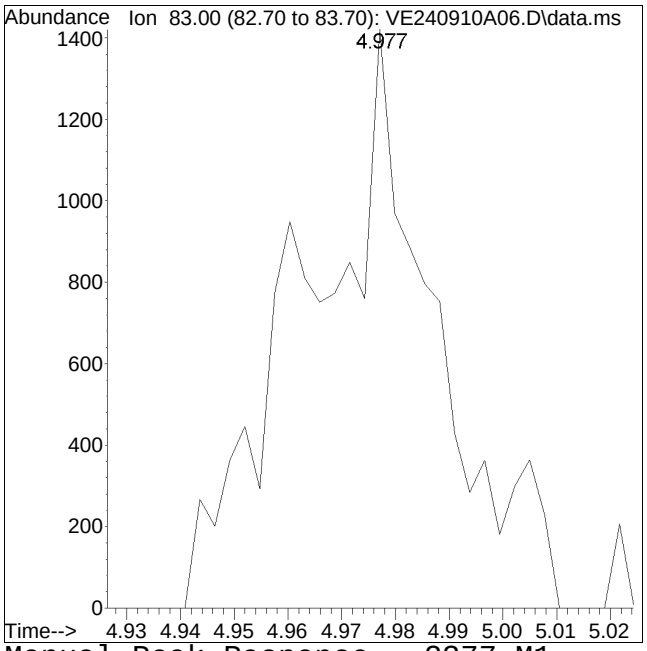
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Date Inj'd : 9/10/2024 10:37 am
Sample : L2450786-01,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #35: Chloroform



Original Peak Response = 1036



Manual Peak Response = 2377 M1

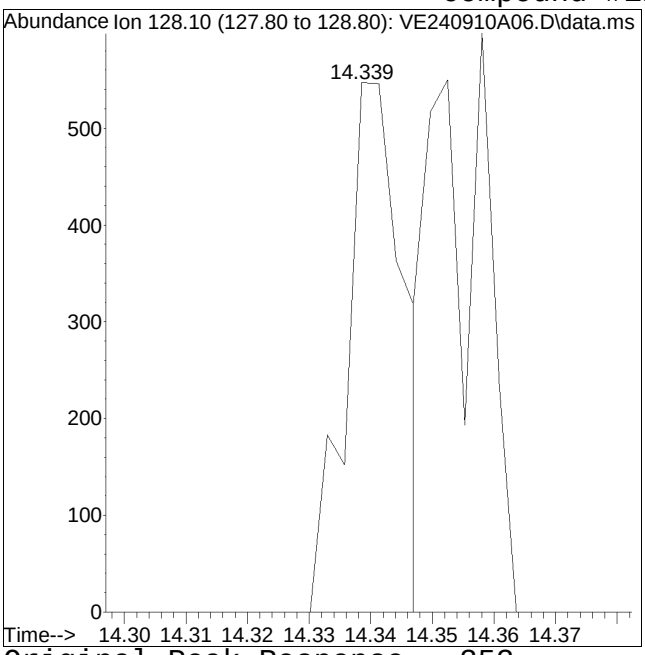
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

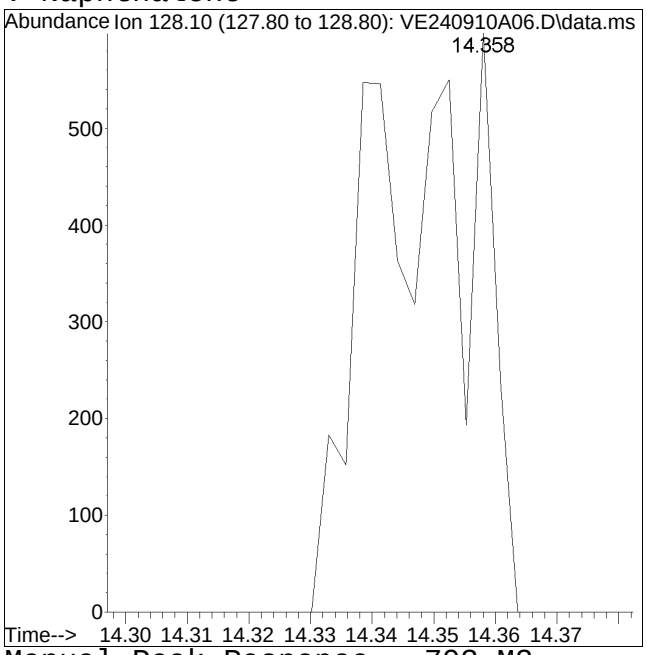
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A06.D
Date Inj'd : 9/10/2024 10:37 am
Sample : L2450786-01,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #115: Naphthalene



Original Peak Response = 353



Manual Peak Response = 703 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A07.D
Acq On : 10 Sep 2024 11:01 am
Operator : ELAINE:RAW
Sample : L2450786-02,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 17:13:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.956	96	276461	10.000 ug/L	-0.01
Standard Area 1 = 302045			Recovery =	91.53%	
63) Chlorobenzene-d5	9.492	117	211727	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery =	93.62%	
84) 1,4-Dichlorobenzene-d4	12.200	152	121960	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery =	94.81%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.150	113	66687	10.304 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.04%	
47) 1,2-Dichloroethane-d4	5.674	65	75519	8.745 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	87.45%	
64) Toluene-d8	7.649	98	268620	9.632 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.32%	
88) 4-Bromofluorobenzene	10.989	95	99436	8.826 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.26%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.461	85	37	N.D.	
3) Chloromethane	1.784	50	33	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.155	94	26	0.337 ug/L #	1
6) Chloroethane	2.230	64	27	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.922	76	250	N.D.	
15) Methylene chloride	3.449	84	26	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	3.700	73	1072	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.414	43	26	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.971	83	1178	0.127 ug/L #	60

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A07.D
Acq On : 10 Sep 2024 11:01 am
Operator : ELAINE:RAW
Sample : L2450786-02,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 17:13:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	5.192	97	30	N.D.		
42) 2-Butanone	5.228	43	77	N.D.		
43) 1,1-Dichloropropene	5.298	75	26	N.D.		
45) Benzene	5.395	78	29	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.	d	
52) Trichloroethene	0.000		0	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	8.148	58	26	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.146	43	29	N.D.		
78) Chlorobenzene	9.511	112	32	N.D.		
79) Ethylbenzene	9.548	91	63	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.723	106	75	N.D.		
82) o Xylene	10.309	106	27	N.D.		
83) Styrene	10.348	104	96	N.D.		
85) Bromoform	10.370	173	25	N.D.		
87) Isopropylbenzene	10.666	105	54	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.143	91	137	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	11.271	105	86	N.D.		
94) 2-Chlorotoluene	11.316	91	30	N.D.		
95) 1,3,5-Trimethylbenzene	11.377	105	48	N.D.		
96) 1,2,3-Trichloropropane	11.486	75	28	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	11.491	91	40	N.D.		
99) tert-Butylbenzene	11.726	119	56	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A07.D
Acq On : 10 Sep 2024 11:01 am
Operator : ELAINE:RAW
Sample : L2450786-02,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 17:13:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.787	105	101	N.D.		
103) sec-Butylbenzene	11.898	105	26	N.D.		
104) p-Isopropyltoluene	12.057	119	26	N.D.		
105) 1,3-Dichlorobenzene	12.124	146	202	N.D.		
106) 1,4-Dichlorobenzene	12.222	146	182	N.D.		
107) p-Diethylbenzene	12.439	119	28	N.D.		
108) n-Butylbenzene	12.490	91	91	N.D.		
109) 1,2-Dichlorobenzene	12.643	146	26	N.D.		
110) 1,2,4,5-Tetramethylben...	13.223	119	121	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	14.035	225	30	N.D.		
114) 1,2,4-Trichlorobenzene	14.046	180	54	N.D.		
115) Naphthalene	14.341	128	591	N.D.		
116) 1,2,3-Trichlorobenzene	14.511	180	250	N.D.		

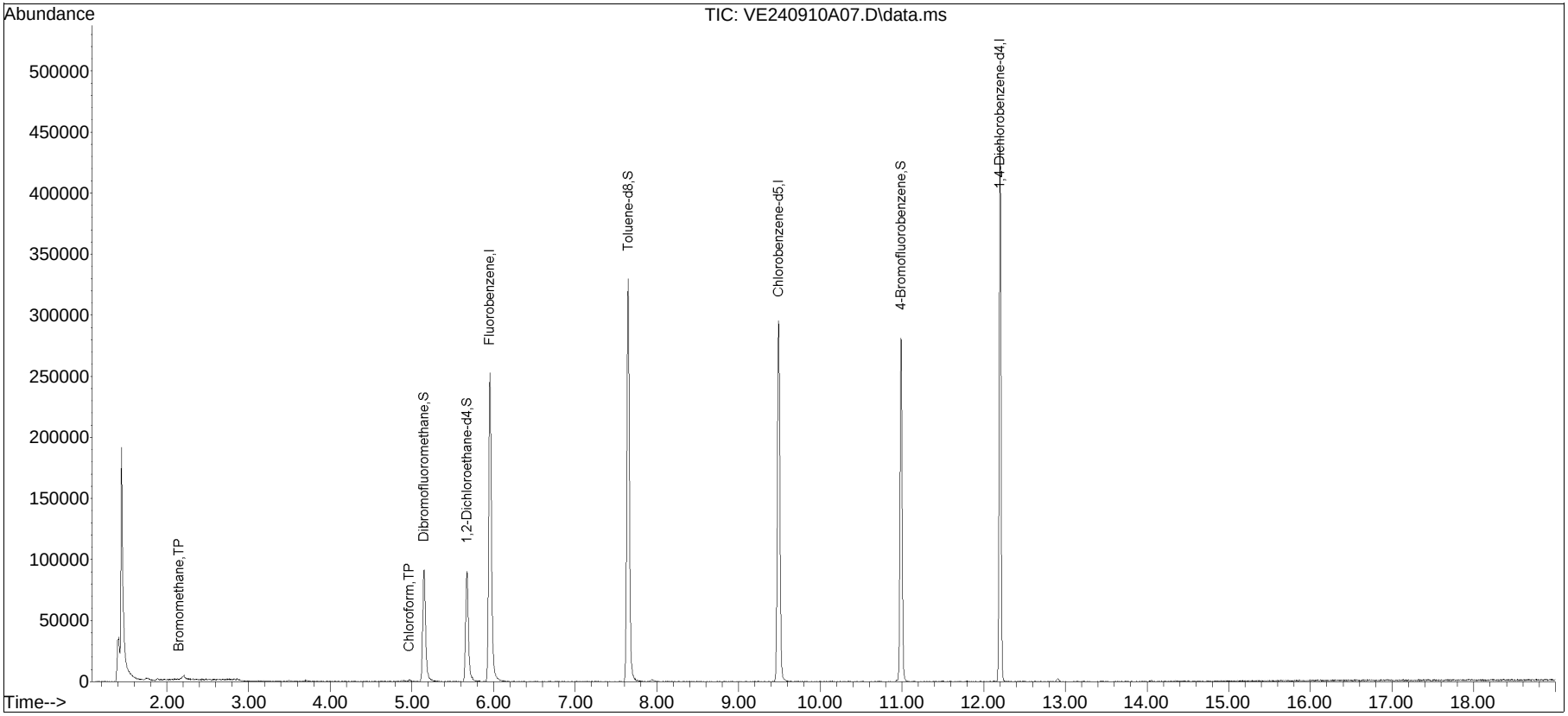
(#) = qualifier out of range (m) = manual integration (+) = signals summed

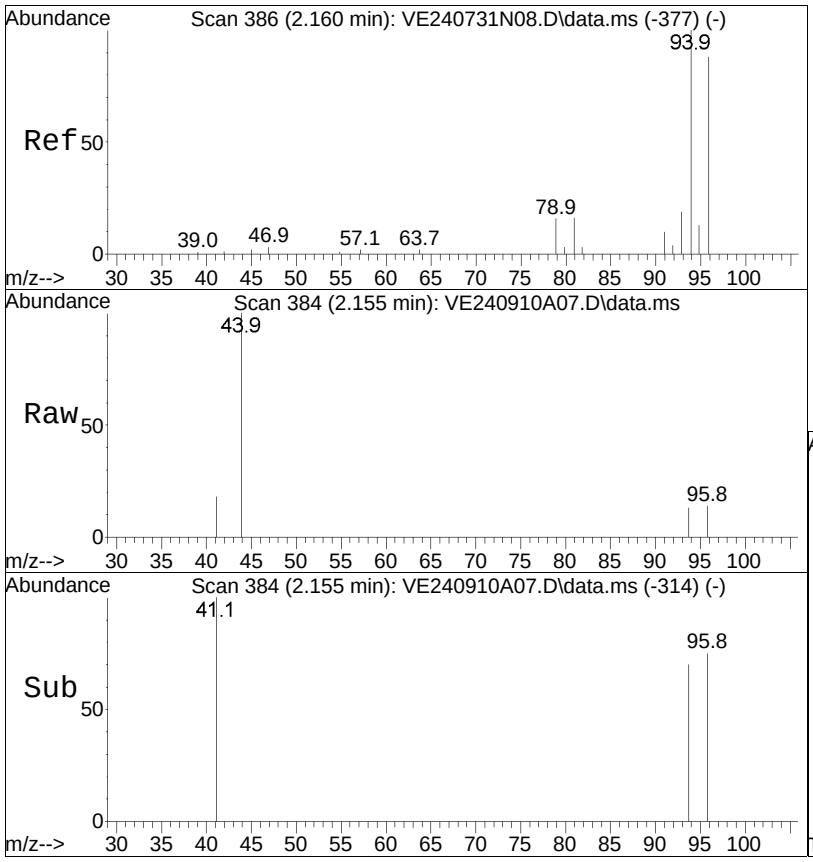
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A07.D
Acq On : 10 Sep 2024 11:01 am
Operator : ELAINE:RAW
Sample : L2450786-02,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 17:13:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

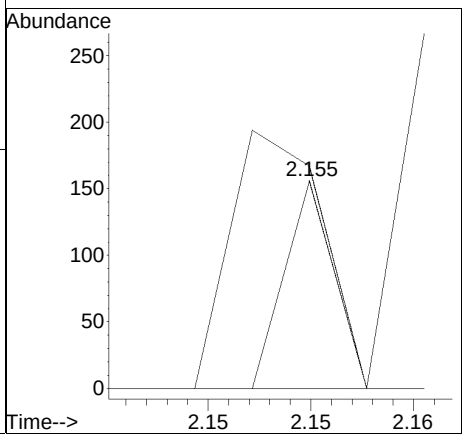


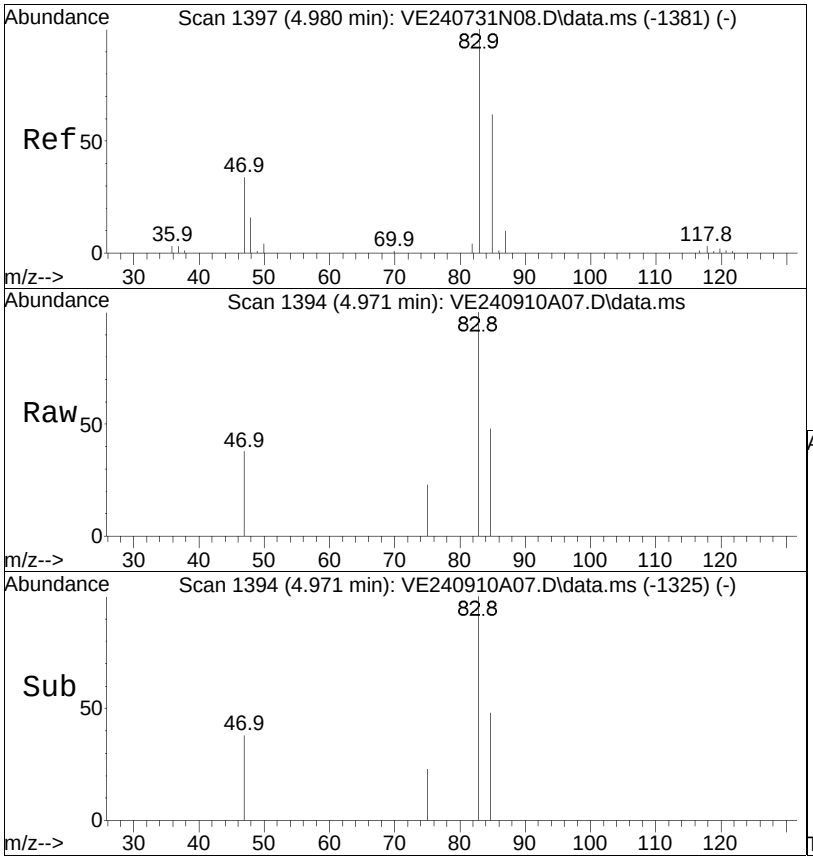


#5
Bromomethane
Concen: 0.34 ug/L
RT: 2.155 min Scan# 384
Delta R.T. -0.005 min
Lab File: VE240910A07.D
Acq: 10 Sep 2024 11:01 am

Tgt Ion: 94 Resp: 26

Ion	Ratio	Lower	Upper
94	100		
96	230.8	68.2	108.2#

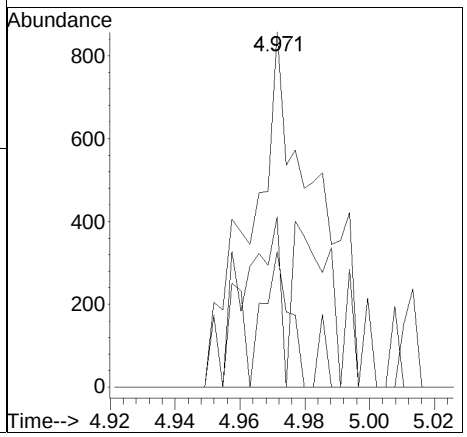




#35
Chloroform
Concen: 0.13 ug/L
RT: 4.971 min Scan# 1394
Delta R.T. -0.009 min
Lab File: VE240910A07.D
Acq: 10 Sep 2024 11:01 am

Tgt Ion: 83 Resp: 1178

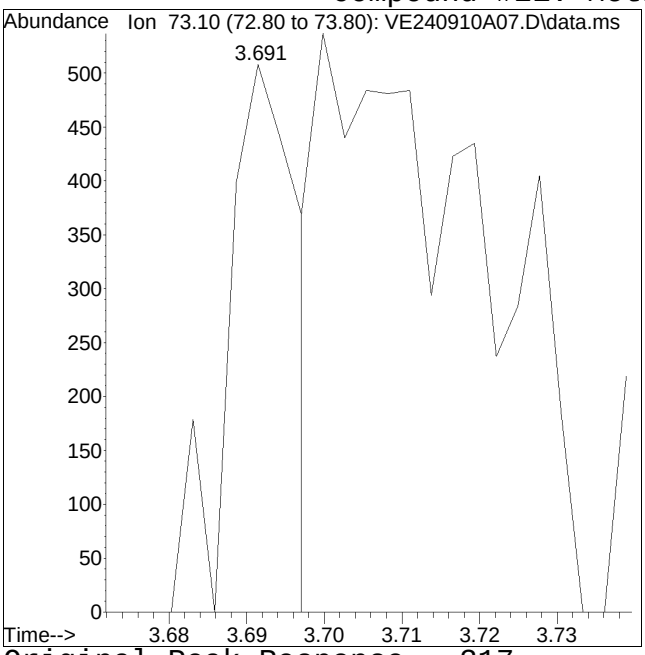
Ion	Ratio	Lower	Upper
83	100		
85	28.5	41.3	85.9#
47	15.4	20.9	43.3#
48	0.0	10.3	21.5#

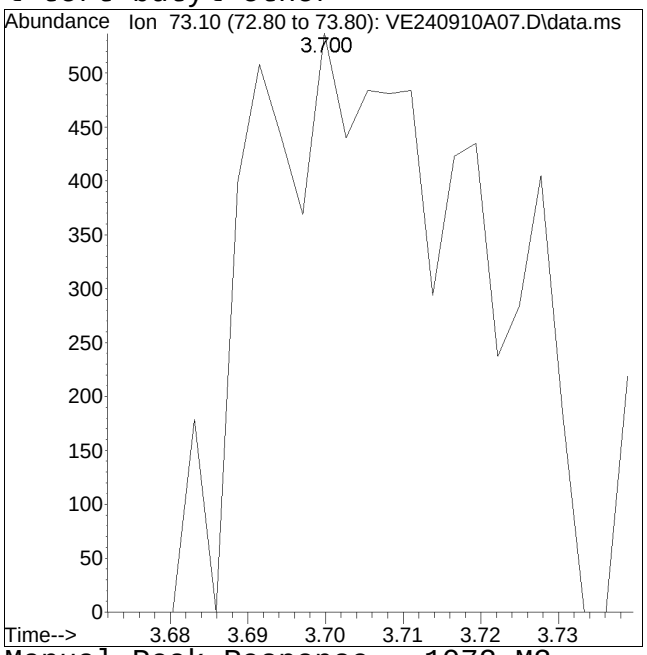


Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A07.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 11:01 am	Instrument	: Elaine
Sample	: L2450786-02,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

Compound #21: Methyl tert-butyl ether





Original Peak Response = 317 Manual Peak Response = 1072 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A08.D
Acq On : 10 Sep 2024 11:26 am
Operator : ELAINE:RAW
Sample : L2450786-03,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 17:14:01 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.953	96	268280	10.000 ug/L	-0.01
Standard Area 1 = 302045			Recovery = 88.82%		
63) Chlorobenzene-d5	9.489	117	210017	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery = 92.87%		
84) 1,4-Dichlorobenzene-d4	12.202	152	122598	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery = 95.31%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.150	113	67285	10.713 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.13%		
47) 1,2-Dichloroethane-d4	5.671	65	75601	9.021 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.21%		
64) Toluene-d8	7.646	98	261421	9.450 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%		
88) 4-Bromofluorobenzene	10.989	95	98384	8.687 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.87%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.422	85	31	N.D.	
3) Chloromethane	1.781	50	390	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	d
6) Chloroethane	2.264	64	26	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.855	96	25	N.D.	
11) Carbon disulfide	2.922	76	55	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.493	43	49	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.324	43	28	N.D.	
30) cis-1,2-Dichloroethene	4.790	96	33	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A08.D
Acq On : 10 Sep 2024 11:26 am
Operator : ELAINE:RAW
Sample : L2450786-03,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 17:14:01 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.287	43	26	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	5.744	62	47	N.D.		
52) Trichloroethene	0.000		0	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		d
62) cis-1,3-Dichloropropene	7.308	75	30	N.D.		
65) Toluene	7.718	92	38	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	8.123	75	34	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.163	43	33	N.D.		
78) Chlorobenzene	9.520	112	28	N.D.		
79) Ethylbenzene	9.732	91	87	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.748	106	28	N.D.		
82) o Xylene	10.281	106	26	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	10.671	105	30	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.148	91	201	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	11.257	105	33	N.D.		
94) 2-Chlorotoluene	11.318	91	36	N.D.		
95) 1,3,5-Trimethylbenzene	11.366	105	37	N.D.		
96) 1,2,3-Trichloropropane	11.483	75	30	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	11.494	91	33	N.D.		
99) tert-Butylbenzene	11.717	119	32	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A08.D
Acq On : 10 Sep 2024 11:26 am
Operator : ELAINE:RAW
Sample : L2450786-03,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 17:14:01 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.792	105	81		N.D.	
103) sec-Butylbenzene	11.901	105	26		N.D.	
104) p-Isopropyltoluene	12.060	119	39		N.D.	
105) 1,3-Dichlorobenzene	12.133	146	28		N.D.	
106) 1,4-Dichlorobenzene	12.219	146	100		N.D.	
107) p-Diethylbenzene	12.442	119	26		N.D.	
108) n-Butylbenzene	12.487	91	241		N.D.	
109) 1,2-Dichlorobenzene	12.635	146	33		N.D.	
110) 1,2,4,5-Tetramethylben...	13.229	119	244		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.051	180	34		N.D.	
115) Naphthalene	14.347	128	296		N.D.	
116) 1,2,3-Trichlorobenzene	14.509	180	175		N.D.	

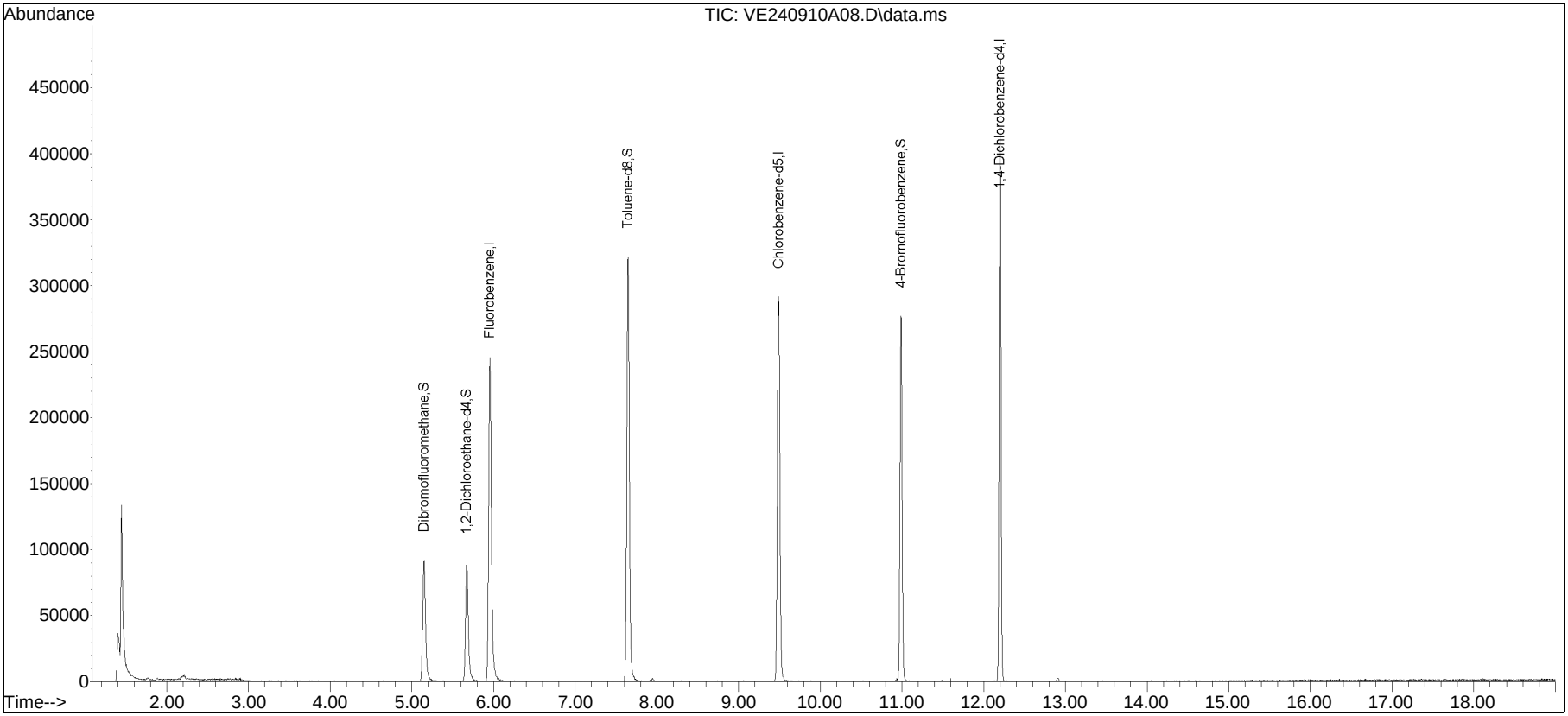
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A08.D
Acq On : 10 Sep 2024 11:26 am
Operator : ELAINE:RAW
Sample : L2450786-03,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 17:14:01 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•



Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A08.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 11:26 am	Instrument	: Elaine
Sample	: L2450786-03,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Acq On : 10 Sep 2024 11:50 am
Operator : ELAINE:RAW
Sample : L2450786-04,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 17:15:09 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.959	96	268926	10.000 ug/L	0.00
Standard Area 1 = 302045			Recovery =	89.04%	
63) Chlorobenzene-d5	9.492	117	206830	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery =	91.46%	
84) 1,4-Dichlorobenzene-d4	12.200	152	120292	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery =	93.52%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.153	113	65258	10.366 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.66%	
47) 1,2-Dichloroethane-d4	5.671	65	75762	9.019 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.19%	
64) Toluene-d8	7.646	98	260231	9.552 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.52%	
88) 4-Bromofluorobenzene	10.989	95	96559	8.690 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.90%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.438	85	26	N.D.	
3) Chloromethane	1.781	50	59	N.D.	
4) Vinyl chloride	1.854	62	25	N.D.	
5) Bromomethane	2.166	94	103	0.379 ug/L #	38
6) Chloroethane	2.311	64	25	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.788	74	34	N.D.	
10) 1,1-Dichloroethene	2.749	96	27	N.D.	
11) Carbon disulfide	2.925	76	815	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.496	43	190	0.096 ug/L #	45
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	3.703	73	35	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.472	43	37	N.D.	
30) cis-1,2-Dichloroethene	4.757	96	28	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.966	83	3307M1	0.367 ug/L	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Acq On : 10 Sep 2024 11:50 am
Operator : ELAINE:RAW
Sample : L2450786-04,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 17:15:09 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.273	43	31		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	5.532	78	37		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	6.026	95	161		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	7.623	75	44		N.D.	
65) Toluene	7.704	92	41		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.127	43	35		N.D.	
78) Chlorobenzene	9.514	112	25		N.D.	
79) Ethylbenzene	9.562	91	28		N.D.	
80) 1,1,1,2-Tetrachloroethane	9.514	131	36		N.D.	
81) p/m Xylene	9.737	106	40		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	10.356	104	65		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.148	91	121		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.271	105	65		N.D.	
94) 2-Chlorotoluene	11.288	91	32		N.D.	
95) 1,3,5-Trimethylbenzene	11.383	105	93		N.D.	
96) 1,2,3-Trichloropropane	11.494	75	28		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.497	91	25		N.D.	
99) tert-Butylbenzene	11.714	119	36		N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Acq On : 10 Sep 2024 11:50 am
Operator : ELAINE:RAW
Sample : L2450786-04,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 17:15:09 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.793	105	38		N.D.	
103) sec-Butylbenzene	11.896	105	28		N.D.	
104) p-Isopropyltoluene	12.055	119	174		N.D.	
105) 1,3-Dichlorobenzene	12.127	146	31		N.D.	
106) 1,4-Dichlorobenzene	12.216	146	90		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.487	91	59		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.217	119	52		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.051	180	66		N.D.	
115) Naphthalene	14.344	128	342		N.D.	
116) 1,2,3-Trichlorobenzene	14.514	180	144		N.D.	

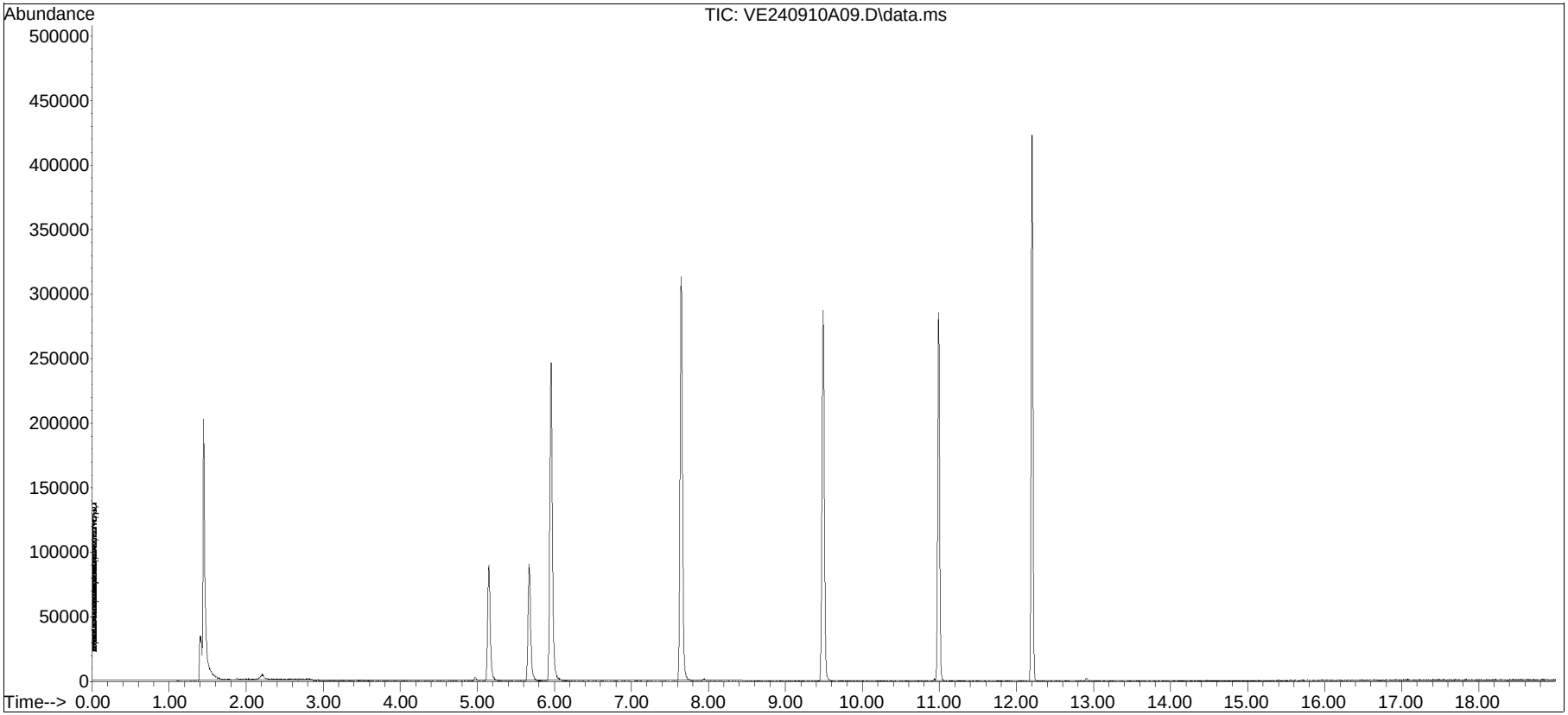
(#) = qualifier out of range (m) = manual integration (+) = signals summed

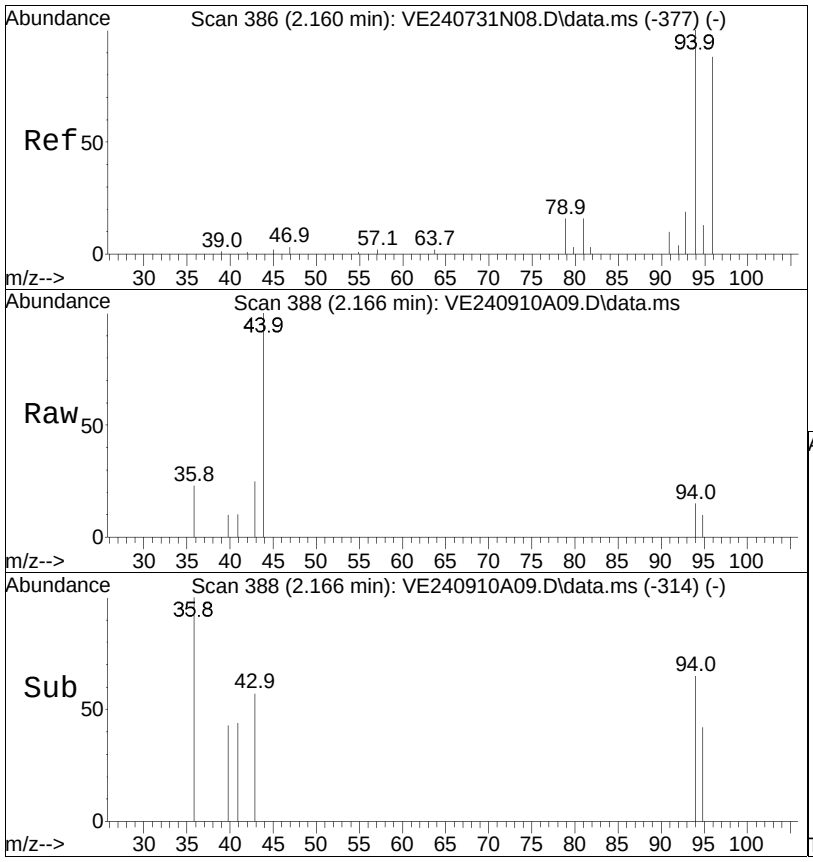
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Acq On : 10 Sep 2024 11:50 am
Operator : ELAINE:RAW
Sample : L2450786-04,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 17:15:09 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

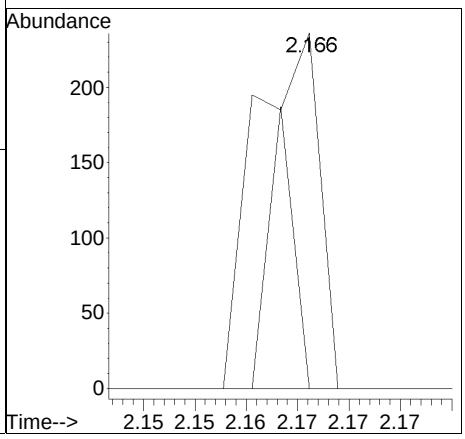


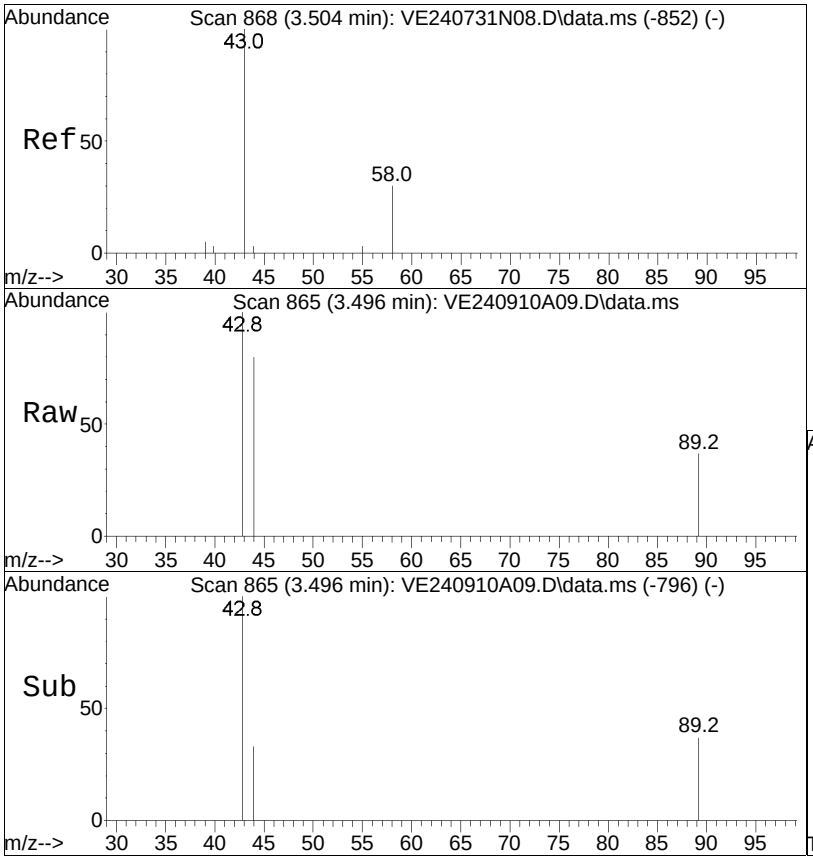


#5
Bromomethane
Concen: 0.38 ug/L
RT: 2.166 min Scan# 388
Delta R.T. 0.006 min
Lab File: VE240910A09.D
Acq: 10 Sep 2024 11:50 am

Tgt Ion: 94 Resp: 103

Ion	Ratio	Lower	Upper
94	100		
96	30.1	68.2	108.2#

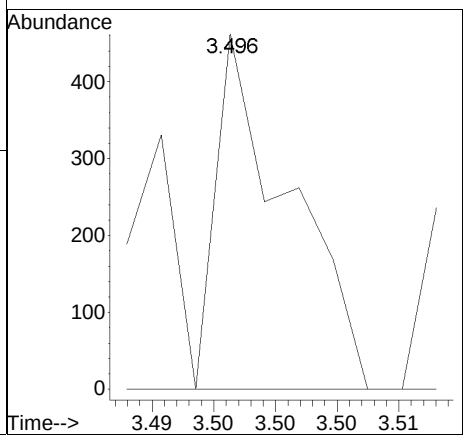


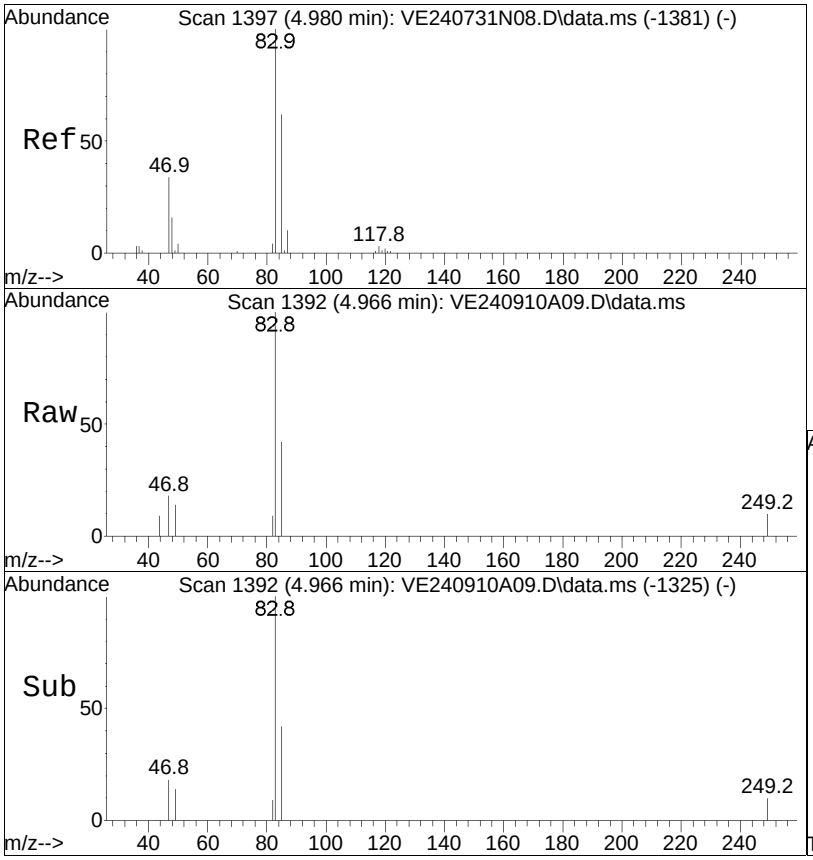


#17
Acetone
Concen: 0.10 ug/L
RT: 3.496 min Scan# 865
Delta R.T. -0.008 min
Lab File: VE240910A09.D
Acq: 10 Sep 2024 11:50 am

Tgt Ion: 43 Resp: 190

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.4	35.0#

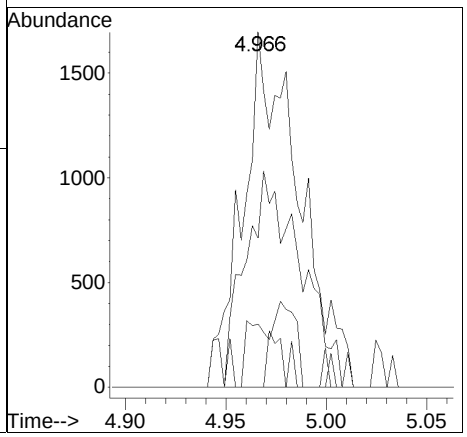




#35
Chloroform
Concen: 0.37 ug/L M1
RT: 4.966 min Scan# 1392
Delta R.T. -0.014 min
Lab File: VE240910A09.D
Acq: 10 Sep 2024 11:50 am

Tgt Ion: 83 Resp: 3307

Ion	Ratio	Lower	Upper
83	100		
85	62.9	41.3	85.9
47	9.0	20.9	43.3#
48	4.7	10.3	21.5#

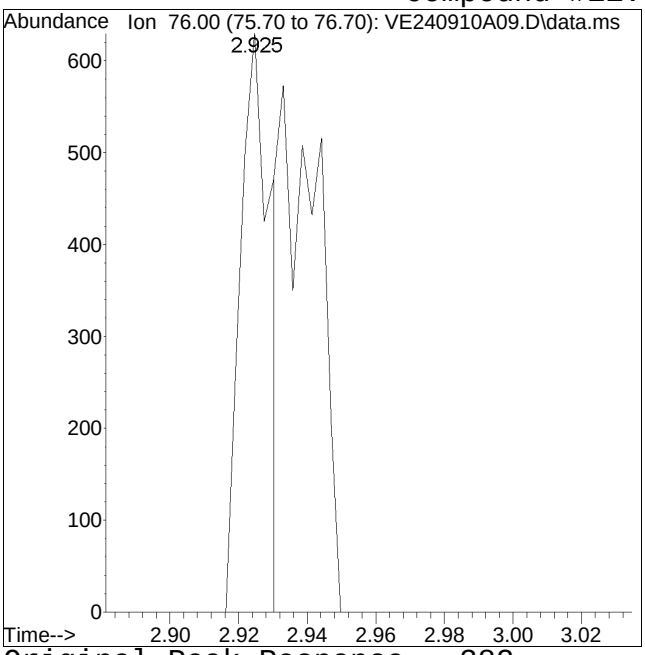


Manual Integration Report

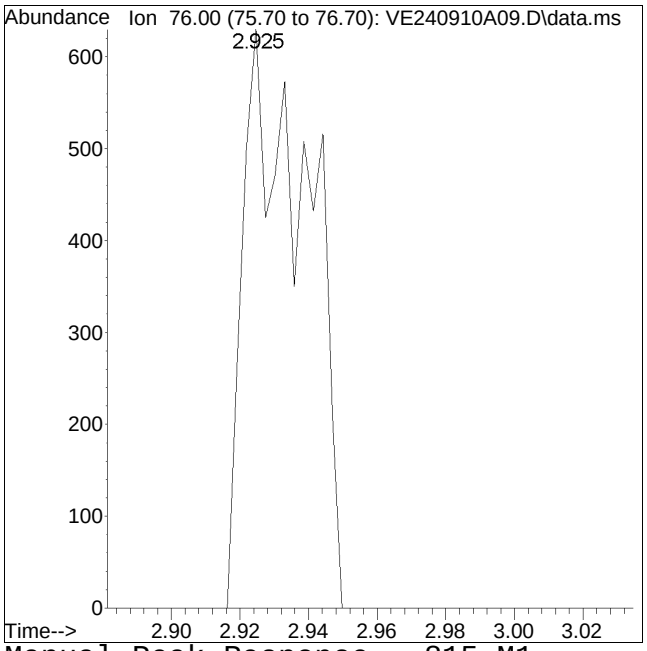
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Date Inj'd : 9/10/2024 11:50 am
Sample : L2450786-04,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #11: Carbon disulfide



Original Peak Response = 382



Manual Peak Response = 815 M1

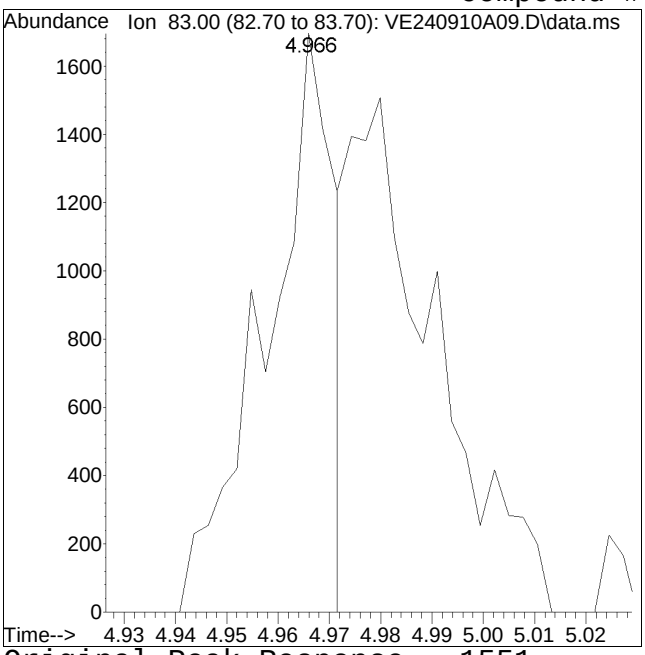
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

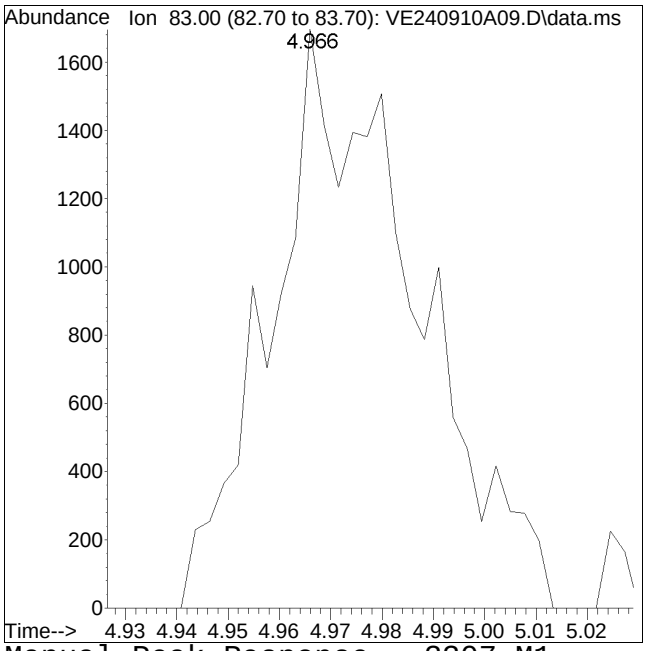
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A09.D
Date Inj'd : 9/10/2024 11:50 am
Sample : L2450786-04,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #35: Chloroform



Original Peak Response = 1551



Manual Peak Response = 3307 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Acq On : 10 Sep 2024 12:15 pm
Operator : ELAINE:RAW
Sample : L2450786-05,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 17:16:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.956	96	266932	10.000 ug/L	-0.01
Standard Area 1 = 302045			Recovery =	88.37%	
63) Chlorobenzene-d5	9.492	117	207376	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery =	91.70%	
84) 1,4-Dichlorobenzene-d4	12.200	152	122405	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery =	95.16%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.150	113	65996	10.561 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.61%	
47) 1,2-Dichloroethane-d4	5.671	65	73014	8.757 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	87.57%	
64) Toluene-d8	7.646	98	260563	9.539 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.39%	
88) 4-Bromofluorobenzene	10.987	95	95541	8.450 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	84.50%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.419	85	59	N.D.	
3) Chloromethane	1.779	50	2796	0.420 ug/L #	47
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.161	94	98	0.376 ug/L #	71
6) Chloroethane	2.325	64	30	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	3.084	96	30	N.D.	
11) Carbon disulfide	2.933	76	862	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.502	43	883M1	0.451 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	3.694	73	69	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.400	43	28	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.985	83	29	N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Acq On : 10 Sep 2024 12:15 pm
Operator : ELAINE:RAW
Sample : L2450786-05,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 17:16:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	5.147	97	40	N.D.		
42) 2-Butanone	5.253	43	27	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	5.641	62	53	N.D.		
52) Trichloroethene	6.017	95	331	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	7.612	75	27	N.D.		
65) Toluene	7.713	92	35	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.154	43	45	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.481	91	122	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	10.368	104	33	N.D.		
85) Bromoform	10.376	173	26	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	11.140	91	111	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	11.265	105	32	N.D.		
94) 2-Chlorotoluene	11.324	91	52	N.D.		
95) 1,3,5-Trimethylbenzene	11.380	105	26	N.D.		
96) 1,2,3-Trichloropropane	11.489	75	38	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	11.603	91	26	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.	d	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Acq On : 10 Sep 2024 12:15 pm
Operator : ELAINE:RAW
Sample : L2450786-05,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 17:16:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.793	105	27		N.D.	
103) sec-Butylbenzene	11.876	105	1004		N.D.	
104) p-Isopropyltoluene	12.063	119	691		N.D.	
105) 1,3-Dichlorobenzene	12.124	146	103		N.D.	
106) 1,4-Dichlorobenzene	12.219	146	69		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.490	91	96		N.D.	
109) 1,2-Dichlorobenzene	12.640	146	64		N.D.	
110) 1,2,4,5-Tetramethylben...	13.226	119	95		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	14.026	225	30		N.D.	
114) 1,2,4-Trichlorobenzene	14.046	180	30		N.D.	
115) Naphthalene	14.344	128	291		N.D.	
116) 1,2,3-Trichlorobenzene	14.514	180	189		N.D.	

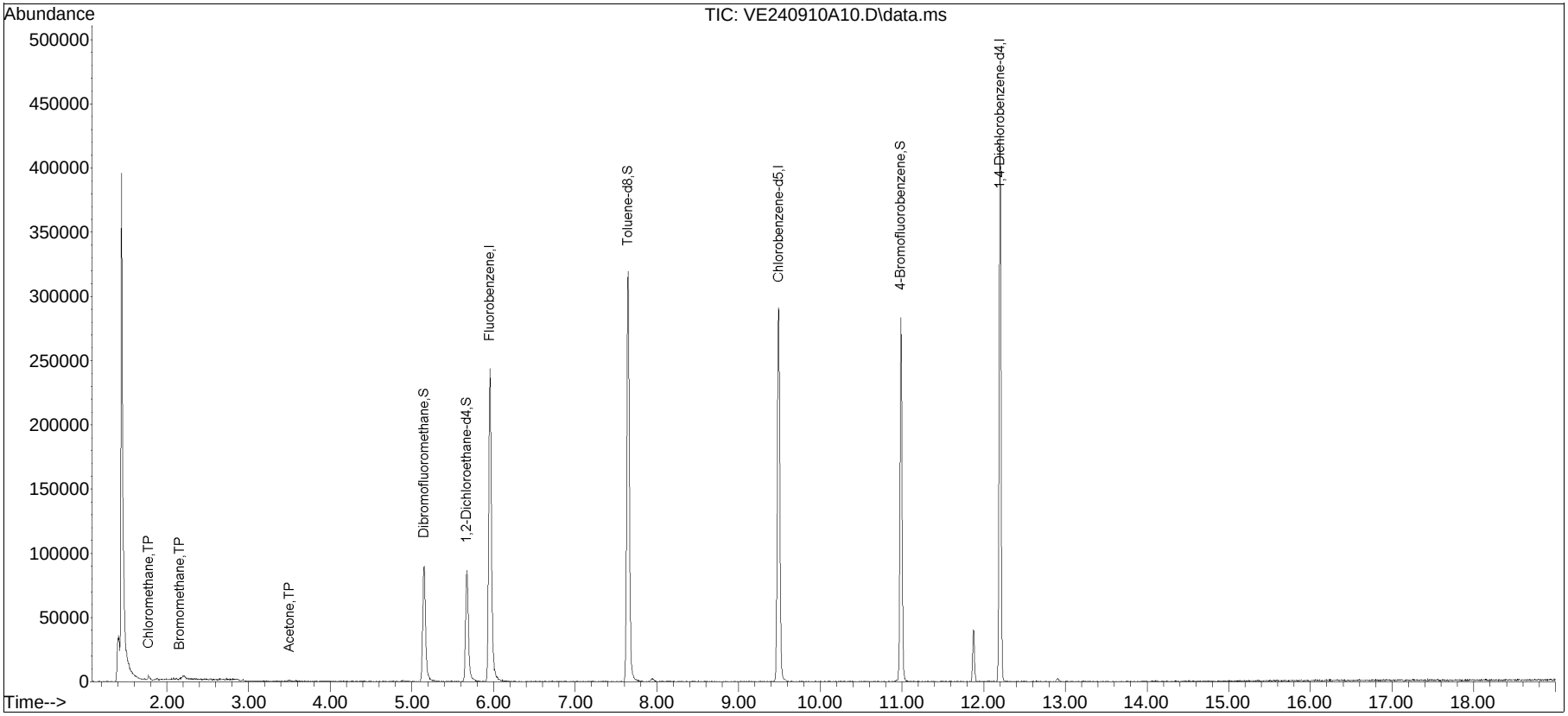
(#) = qualifier out of range (m) = manual integration (+) = signals summed

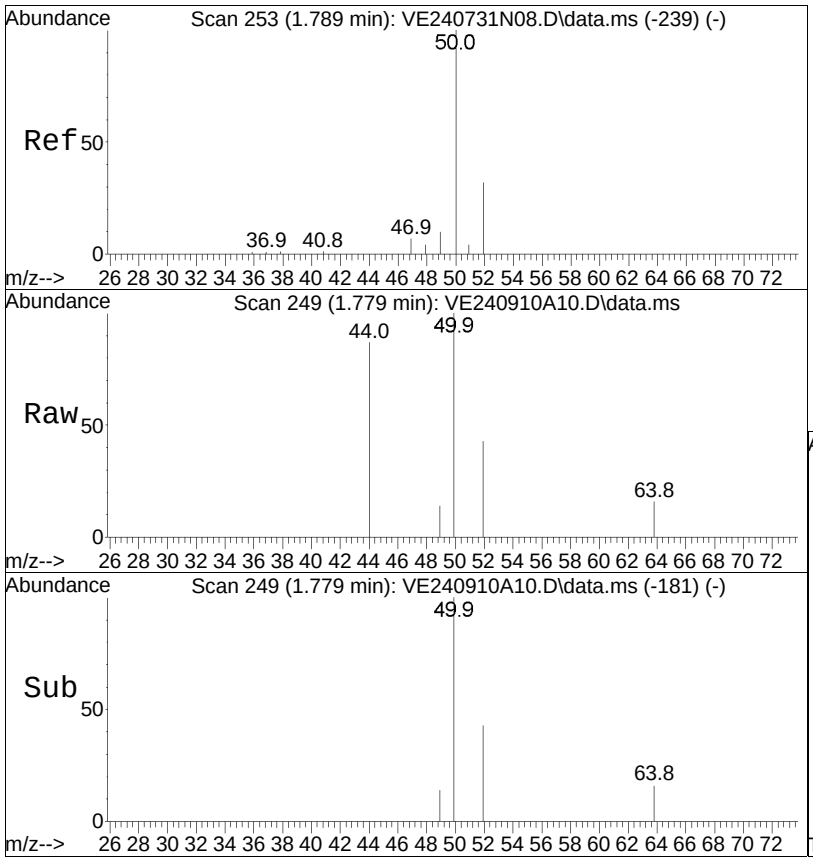
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Acq On : 10 Sep 2024 12:15 pm
Operator : ELAINE:RAW
Sample : L2450786-05,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 17:16:26 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

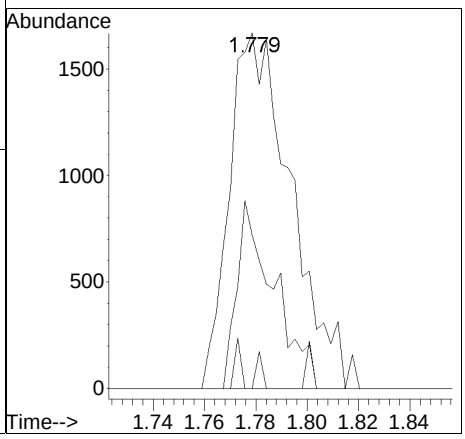


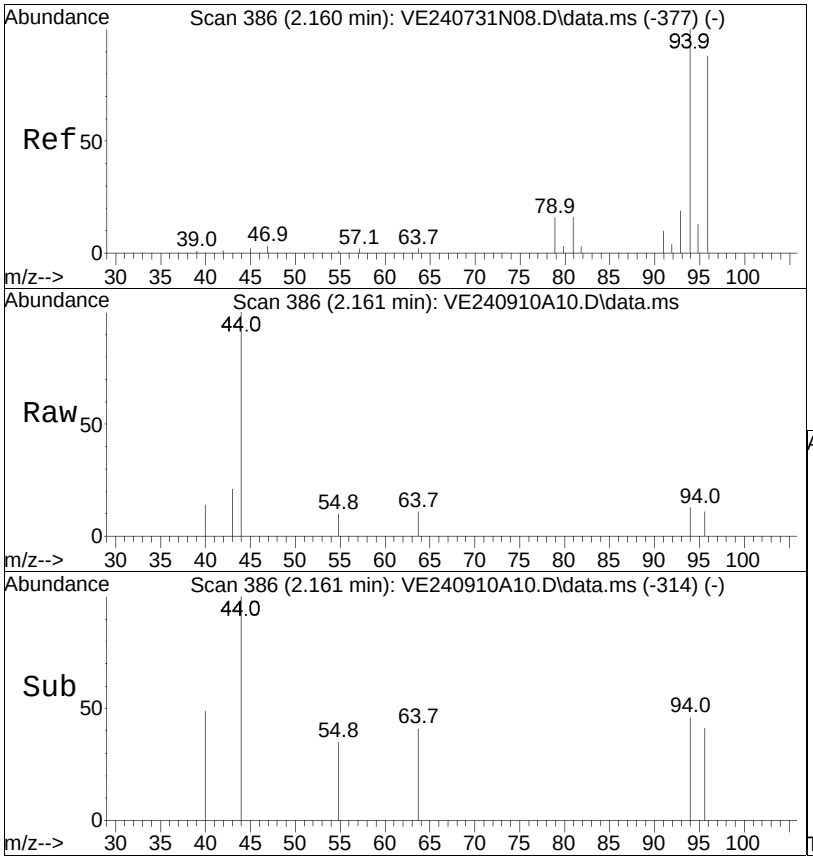


#3
Chloromethane
Concen: 0.42 ug/L
RT: 1.779 min Scan# 249
Delta R.T. -0.010 min
Lab File: VE240910A10.D
Acq: 10 Sep 2024 12:15 pm

Tgt Ion: 50 Resp: 2796

Ion	Ratio	Lower	Upper
50	100		
52	0.0	14.9	54.9#
47	1.0	0.0	28.0

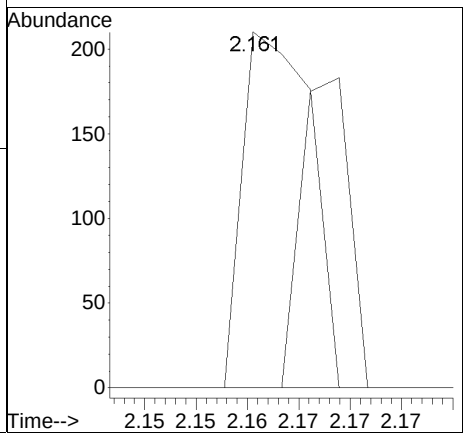


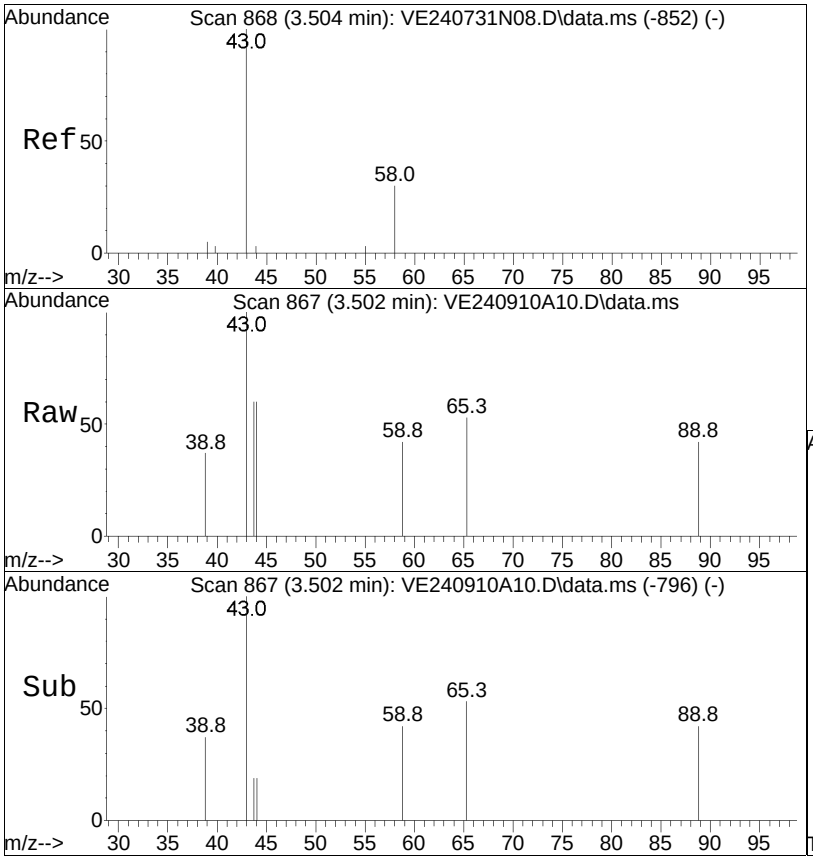


#5
Bromomethane
Concen: 0.38 ug/L
RT: 2.161 min Scan# 386
Delta R.T. 0.001 min
Lab File: VE240910A10.D
Acq: 10 Sep 2024 12:15 pm

Tgt Ion: 94 Resp: 98

Ion	Ratio	Lower	Upper
94	100		
96	61.2	68.2	108.2#

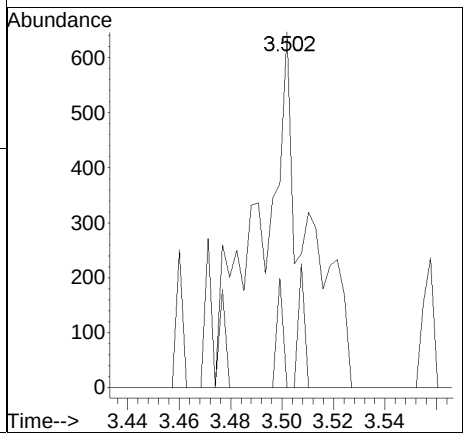




#17
Acetone
Concen: 0.45 ug/L M1
RT: 3.502 min Scan# 867
Delta R.T. -0.002 min
Lab File: VE240910A10.D
Acq: 10 Sep 2024 12:15 pm

Tgt Ion: 43 Resp: 883

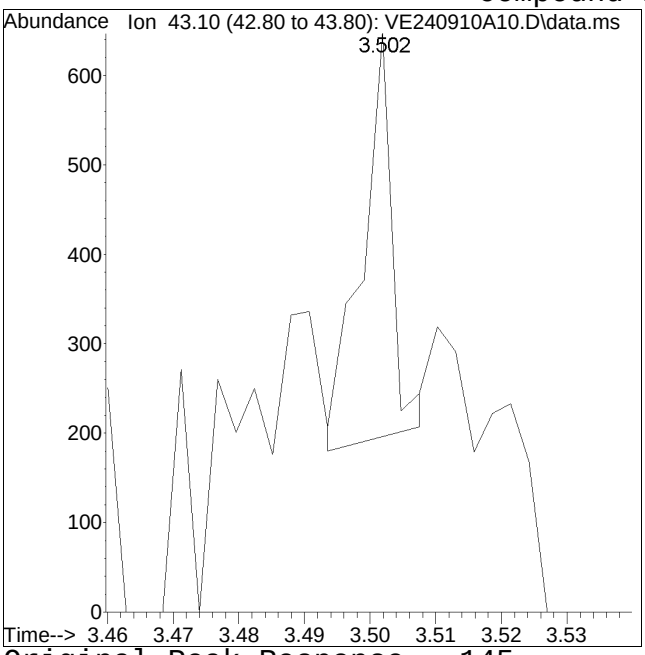
Ion	Ratio	Lower	Upper
43	100		
58	3.7	23.4	35.0#



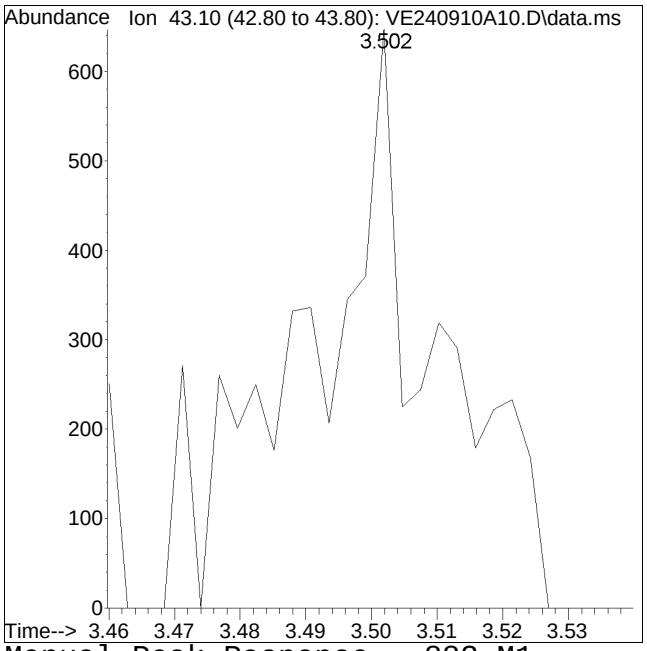
Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A10.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 12:15 pm	Instrument	: Elaine
Sample	: L2450786-05,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 145



Manual Peak Response = 883 M1

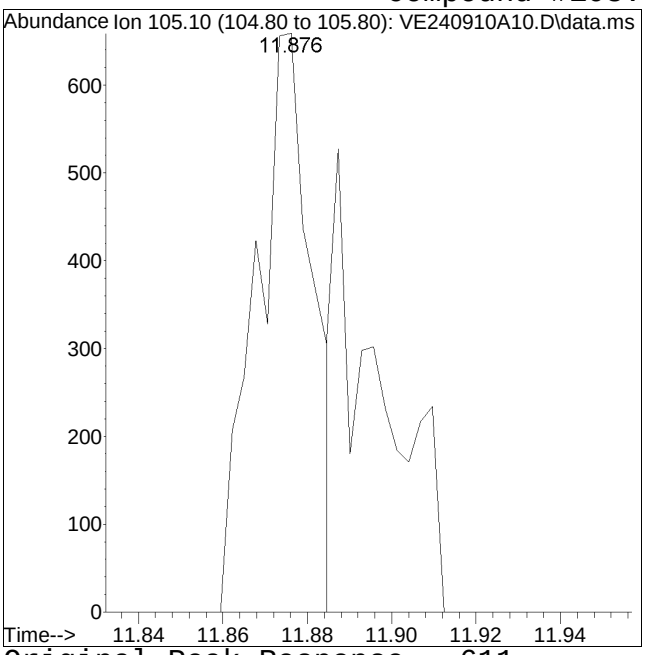
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

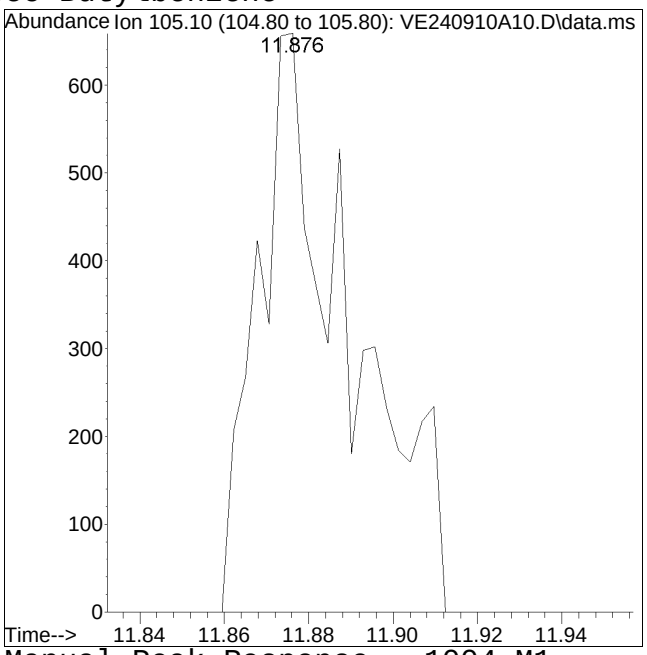
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Date Inj'd : 9/10/2024 12:15 pm
Sample : L2450786-05,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #103: sec-Butylbenzene



Original Peak Response = 611



Manual Peak Response = 1004 M1

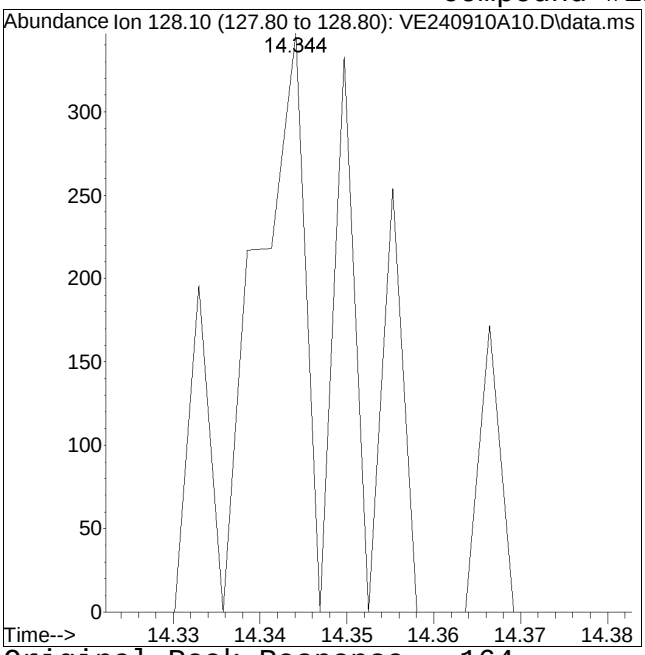
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

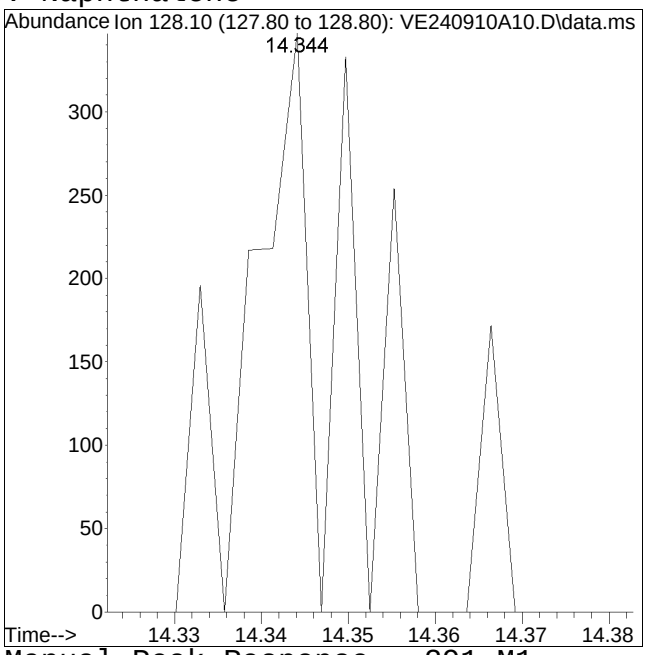
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A10.D
Date Inj'd : 9/10/2024 12:15 pm
Sample : L2450786-05,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #115: Naphthalene



Original Peak Response = 164



Manual Peak Response = 291 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A11.D
Acq On : 10 Sep 2024 12:39 pm
Operator : ELAINE:RAW
Sample : L2450786-06,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:17:11 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.956	96	265932	10.000	ug/L	-0.01
Standard Area 1 = 302045			Recovery = 88.04%			
63) Chlorobenzene-d5	9.489	117	203918	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 90.17%			
84) 1,4-Dichlorobenzene-d4	12.200	152	120290	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 93.51%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.144	113	65278	10.486	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.86%			
47) 1,2-Dichloroethane-d4	5.674	65	73728	8.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.76%			
64) Toluene-d8	7.646	98	257819	9.598	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.98%			
88) 4-Bromofluorobenzene	10.989	95	95349	8.581	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.81%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.396	85	230	N.D.		
3) Chloromethane	1.784	50	27	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	2.847	74	29	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.933	76	2623	0.200	ug/L #	81
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.516	43	118	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	3.708	73	28	N.D.		
25) 1,1-Dichloroethane	4.188	63	26	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.431	43	45	N.D.		
30) cis-1,2-Dichloroethene	4.768	96	27	N.D.		
31) 2,2-Dichloropropane	4.891	77	26	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A11.D
Acq On : 10 Sep 2024 12:39 pm
Operator : ELAINE:RAW
Sample : L2450786-06,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:17:11 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.262	43	25		N.D.	
43) 1,1-Dichloropropene	5.415	75	28		N.D.	
45) Benzene	5.538	78	33		N.D.	
48) 1,2-Dichloroethane	5.702	62	143		N.D.	
52) Trichloroethene	6.037	95	202		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.713	92	93		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.157	43	27		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.495	91	135		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	9.751	106	83		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	10.351	104	72		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.674	105	224		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.146	91	40		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.277	105	39		N.D.	
94) 2-Chlorotoluene	11.154	91	83		N.D.	
95) 1,3,5-Trimethylbenzene	11.380	105	65		N.D.	
96) 1,2,3-Trichloropropane	11.491	75	29		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.503	91	39		N.D.	
99) tert-Butylbenzene	11.578	119	25		N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A11.D
Acq On : 10 Sep 2024 12:39 pm
Operator : ELAINE:RAW
Sample : L2450786-06,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:17:11 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.793	105	40	N.D.		
103) sec-Butylbenzene	11.893	105	30	N.D.		
104) p-Isopropyltoluene	12.063	119	29	N.D.		
105) 1,3-Dichlorobenzene	12.127	146	27	N.D.		
106) 1,4-Dichlorobenzene	12.219	146	28	N.D.		
107) p-Diethylbenzene	0.000		0	N.D.		
108) n-Butylbenzene	12.492	91	27	N.D.		
109) 1,2-Dichlorobenzene	12.635	146	28	N.D.		
110) 1,2,4,5-Tetramethylben...	13.223	119	48	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	14.062	180	40	N.D.		
115) Naphthalene	14.352	128	408	N.D.		
116) 1,2,3-Trichlorobenzene	14.506	180	43	N.D.		

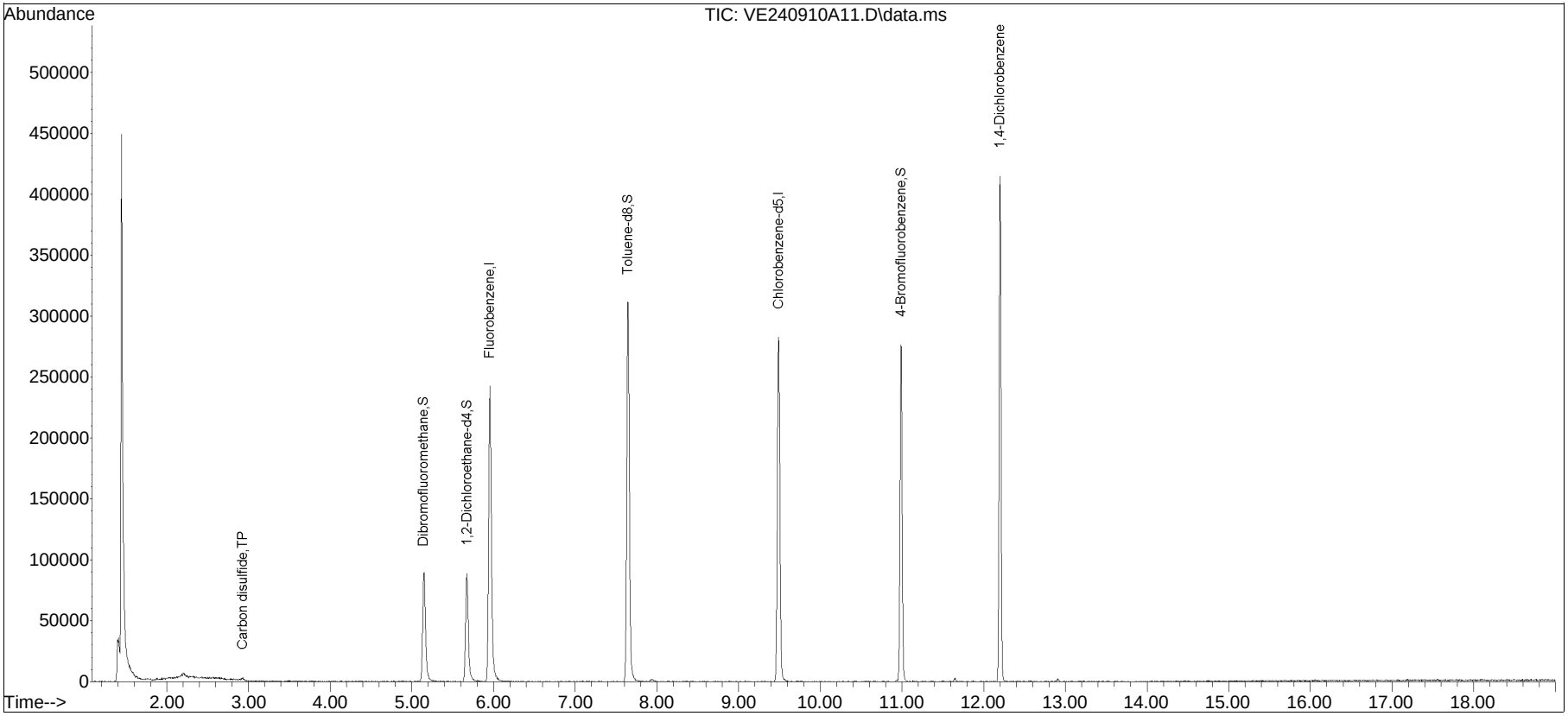
(#) = qualifier out of range (m) = manual integration (+) = signals summed

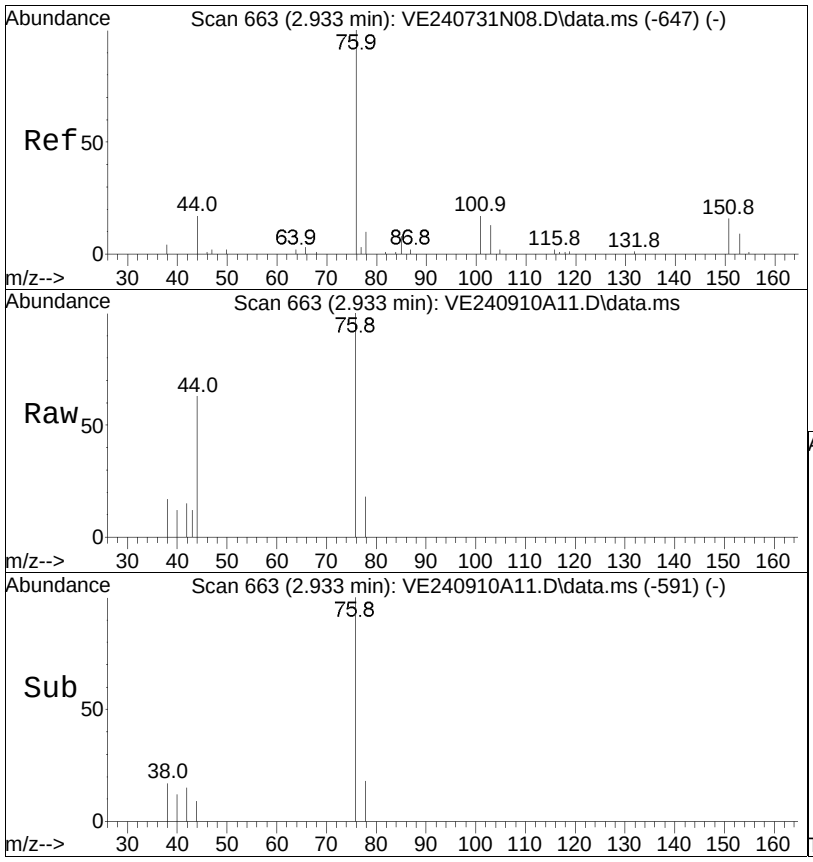
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A11.D
Acq On : 10 Sep 2024 12:39 pm
Operator : ELAINE:RAW
Sample : L2450786-06,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 17:17:11 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

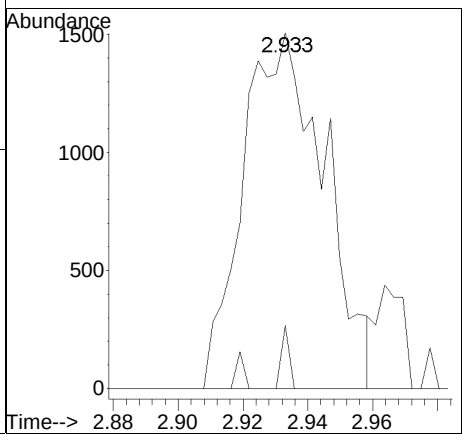




#11
Carbon disulfide
Concen: 0.20 ug/L
RT: 2.933 min Scan# 663
Delta R.T. 0.000 min
Lab File: VE240910A11.D
Acq: 10 Sep 2024 12:39 pm

Tgt Ion: 76 Resp: 2623

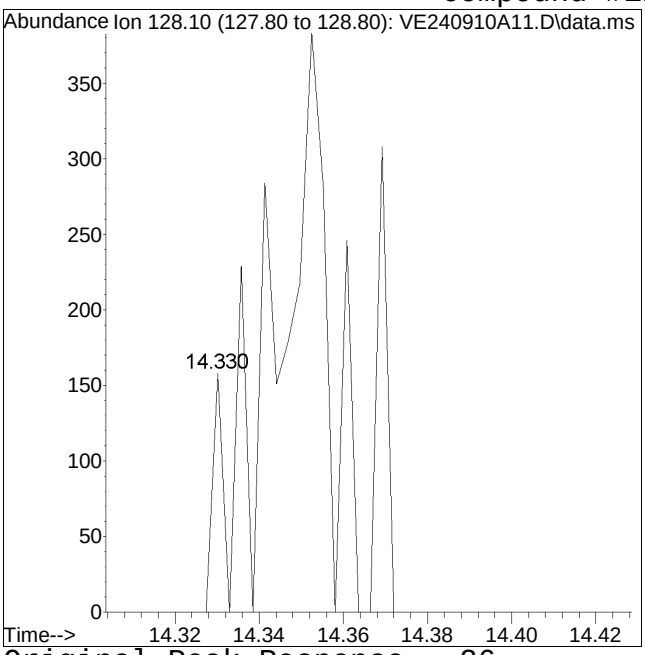
Ion	Ratio	Lower	Upper
76	100		
78	1.7	5.5	11.3#

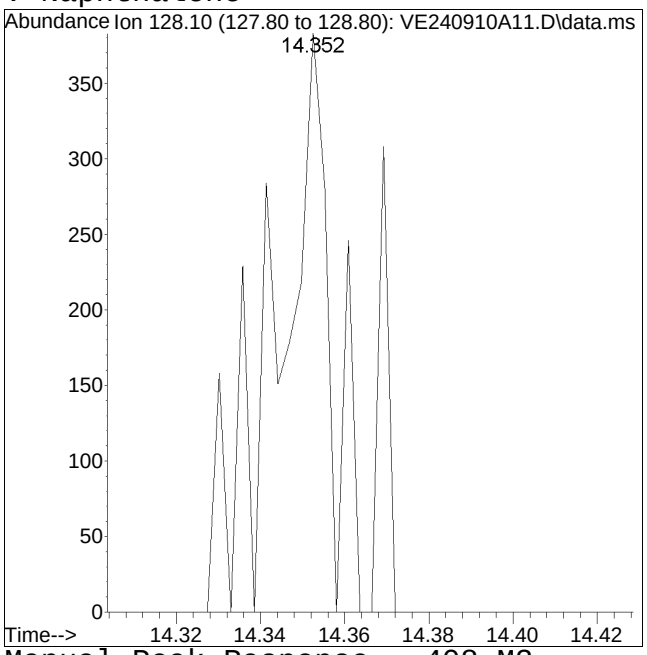


Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A11.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 12:39 pm	Instrument	: Elaine
Sample	: L2450786-06,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

Compound #115: Naphthalene





Original Peak Response = 26 Manual Peak Response = 408 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Acq On : 10 Sep 2024 1:04 pm
Operator : ELAINE:RAW
Sample : L2450786-07,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 17:17:47 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.958	96	265821	10.000 ug/L	0.00
Standard Area 1 = 302045			Recovery =	88.01%	
63) Chlorobenzene-d5	9.489	117	203464	10.000 ug/L	0.00
Standard Area 1 = 226148			Recovery =	89.97%	
84) 1,4-Dichlorobenzene-d4	12.202	152	119969	10.000 ug/L	0.00
Standard Area 1 = 128633			Recovery =	93.26%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.155	113	64534	10.370 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.70%	
47) 1,2-Dichloroethane-d4	5.671	65	74776	9.006 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.06%	
64) Toluene-d8	7.648	98	258859	9.659 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.59%	
88) 4-Bromofluorobenzene	10.986	95	95523	8.619 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.19%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.421	85	49	N.D.	
3) Chloromethane	1.787	50	106	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.155	94	55	0.353 ug/L #	5
6) Chloroethane	2.322	64	26	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.933	76	202	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.496	43	808M1	0.414 ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.338	43	36	N.D.	
30) cis-1,2-Dichloroethene	4.809	96	41	N.D.	
31) 2,2-Dichloropropane	4.932	77	42	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.980	83	7245M3	0.814 ug/L	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Acq On : 10 Sep 2024 1:04 pm
Operator : ELAINE:RAW
Sample : L2450786-07,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 17:17:47 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.			
40) 1,1,1-Trichloroethane	0.000		0	N.D.			
42) 2-Butanone	5.278	43	31	N.D.			
43) 1,1-Dichloropropene	0.000		0	N.D.			
45) Benzene	0.000		0	N.D.			
48) 1,2-Dichloroethane	0.000		0	N.D.			
52) Trichloroethene	0.000		0	N.D.			
54) Dibromomethane	0.000		0	N.D.			
55) 1,2-Dichloropropane	0.000		0	N.D.			
58) Bromodichloromethane	6.750	83	1823M1	0.242	ug/L		
61) 1,4-Dioxane	6.957	88	26	0.510	ug/L	#	1
62) cis-1,3-Dichloropropene	7.620	75	79	N.D.			
65) Toluene	7.704	92	62	N.D.			
66) 4-Methyl-2-pentanone	0.000		0	N.D.			
67) Tetrachloroethene	0.000		0	N.D.			
69) trans-1,3-Dichloropropene	0.000		0	N.D.			
72) 1,1,2-Trichloroethane	0.000		0	N.D.			
73) Chlorodibromomethane	8.585	129	162	N.D.			
74) 1,3-Dichloropropane	0.000		0	N.D.			
75) 1,2-Dibromoethane	0.000		0	N.D.			
77) 2-Hexanone	9.135	43	26	N.D.			
78) Chlorobenzene	9.522	112	32	N.D.			
79) Ethylbenzene	9.556	91	41	N.D.			
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
81) p/m Xylene	9.595	106	30	N.D.			
82) o Xylene	0.000		0	N.D.			
83) Styrene	10.328	104	26	N.D.			
85) Bromoform	0.000		0	N.D.			
87) Isopropylbenzene	0.000		0	N.D.			
89) Bromobenzene	10.997	156	29	N.D.			
90) n-Propylbenzene	11.145	91	29	N.D.			
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
93) 4-Ethyltoluene	11.279	105	33	N.D.			
94) 2-Chlorotoluene	11.304	91	34	N.D.			
95) 1,3,5-Trimethylbenzene	11.279	105	33	N.D.			
96) 1,2,3-Trichloropropane	11.497	75	33	N.D.			
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.			
98) 4-Chlorotoluene	11.508	91	29	N.D.			
99) tert-Butylbenzene	0.000		0	N.D.			

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Acq On : 10 Sep 2024 1:04 pm
Operator : ELAINE:RAW
Sample : L2450786-07,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 17:17:47 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.787	105	38		N.D.	
103) sec-Butylbenzene	11.895	105	26		N.D.	
104) p-Isopropyltoluene	12.054	119	60		N.D.	
105) 1,3-Dichlorobenzene	12.130	146	40		N.D.	
106) 1,4-Dichlorobenzene	12.213	146	141		N.D.	
107) p-Diethylbenzene	12.450	119	29		N.D.	
108) n-Butylbenzene	12.487	91	37		N.D.	
109) 1,2-Dichlorobenzene	12.651	146	26		N.D.	
110) 1,2,4,5-Tetramethylben...	13.220	119	31		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	14.023	225	35		N.D.	
114) 1,2,4-Trichlorobenzene	14.054	180	168		N.D.	
115) Naphthalene	14.338	128	248		N.D.	
116) 1,2,3-Trichlorobenzene	14.506	180	69		N.D.	

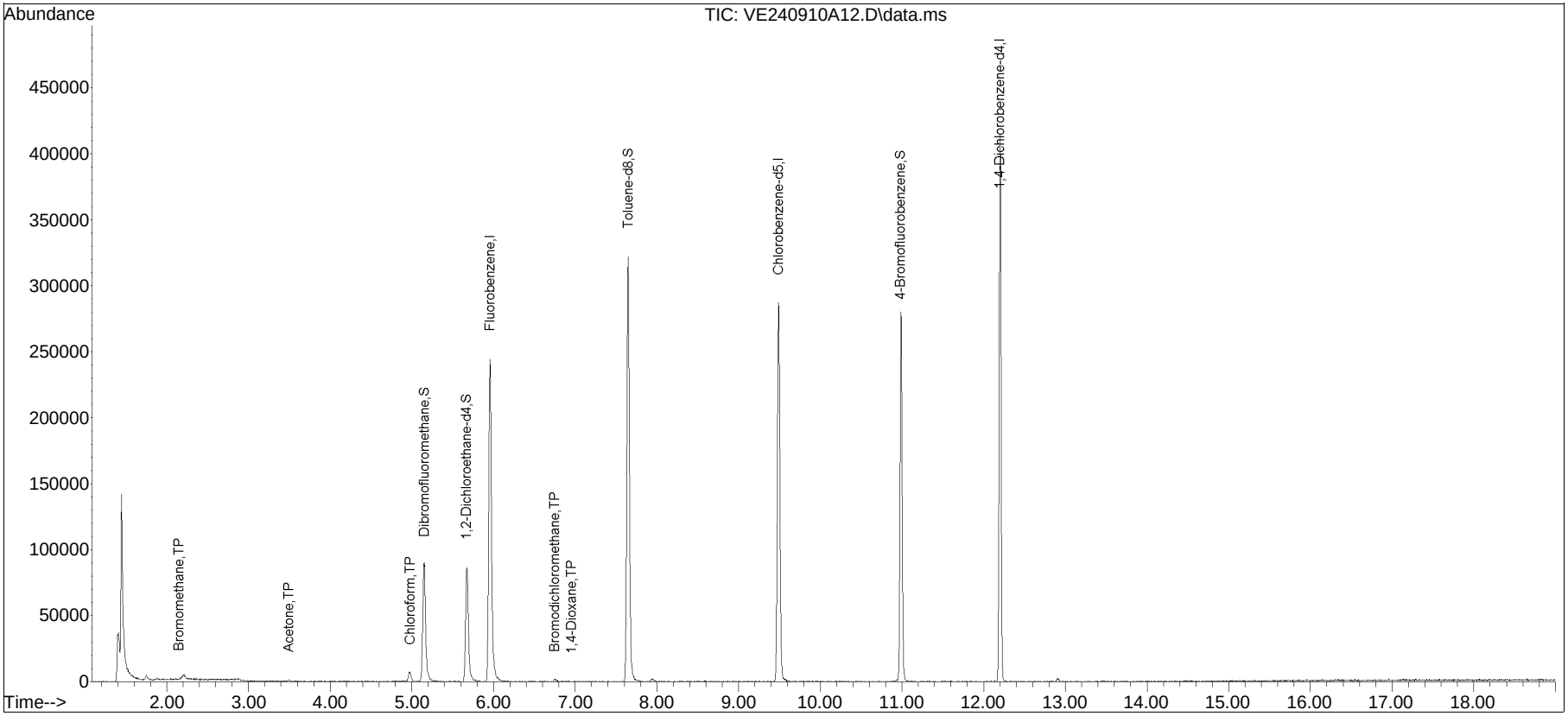
(#) = qualifier out of range (m) = manual integration (+) = signals summed

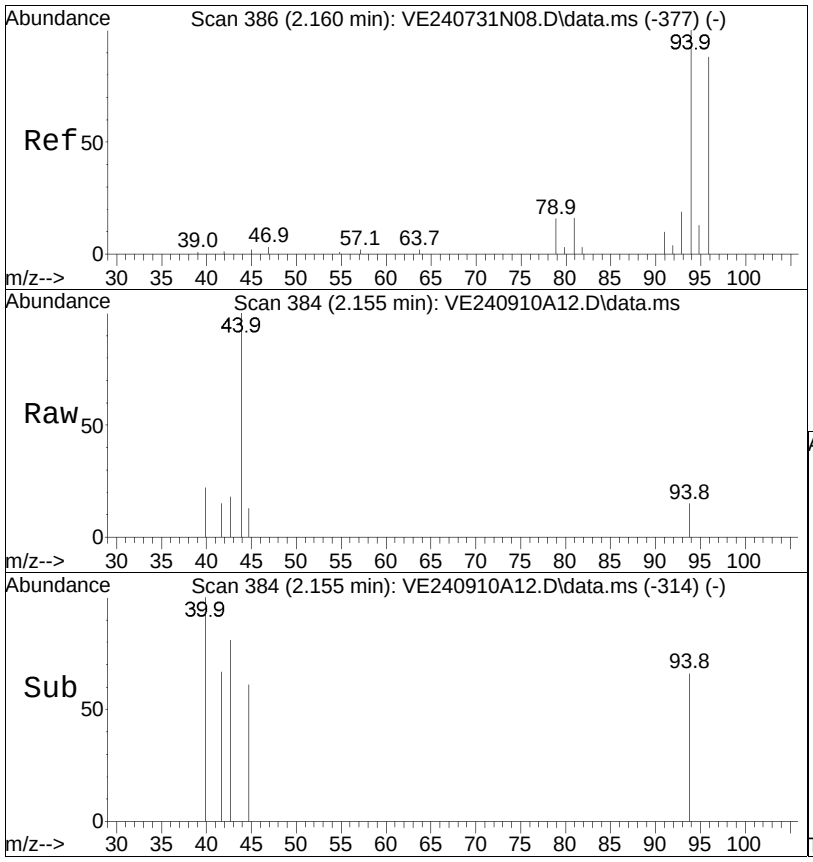
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Acq On : 10 Sep 2024 1:04 pm
Operator : ELAINE:RAW
Sample : L2450786-07,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 17:17:47 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

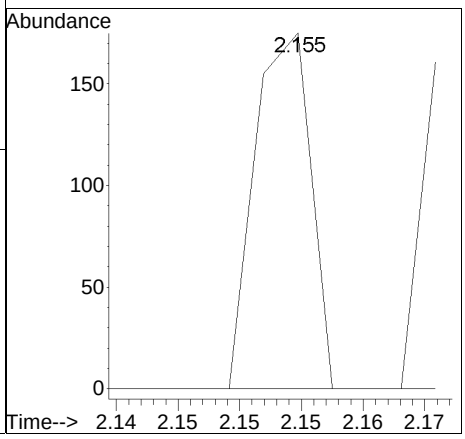


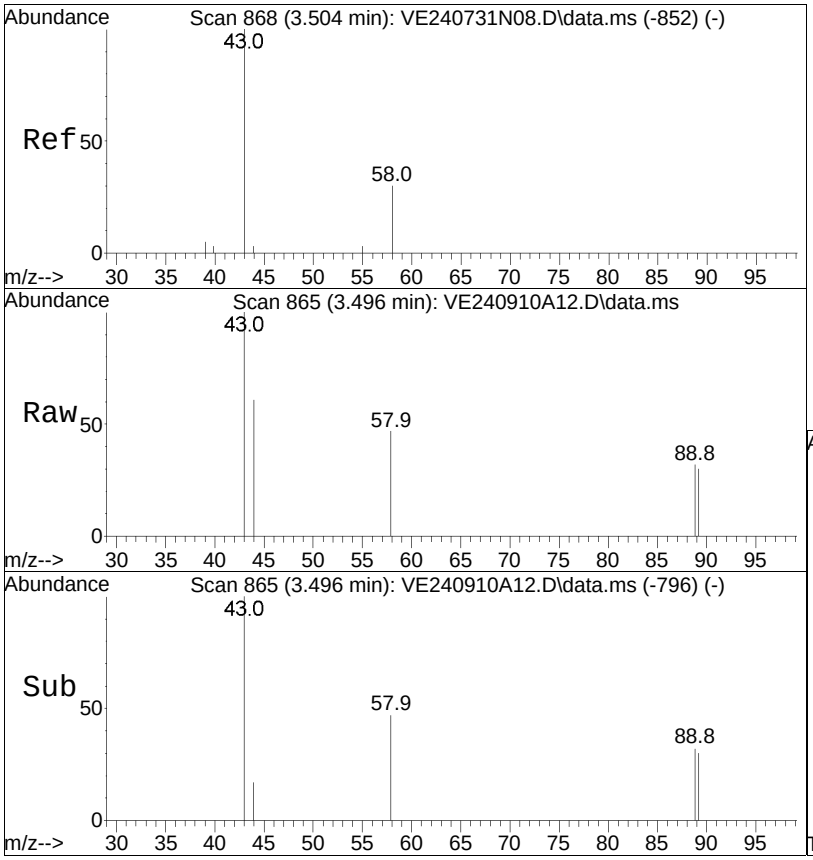


#5
Bromomethane
Concen: 0.35 ug/L
RT: 2.155 min Scan# 384
Delta R.T. -0.005 min
Lab File: VE240910A12.D
Acq: 10 Sep 2024 1:04 pm

Tgt Ion: 94 Resp: 55

Ion	Ratio	Lower	Upper
94	100		
96	0.0	68.2	108.2#

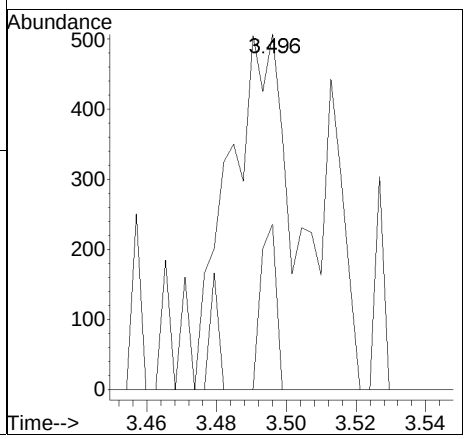


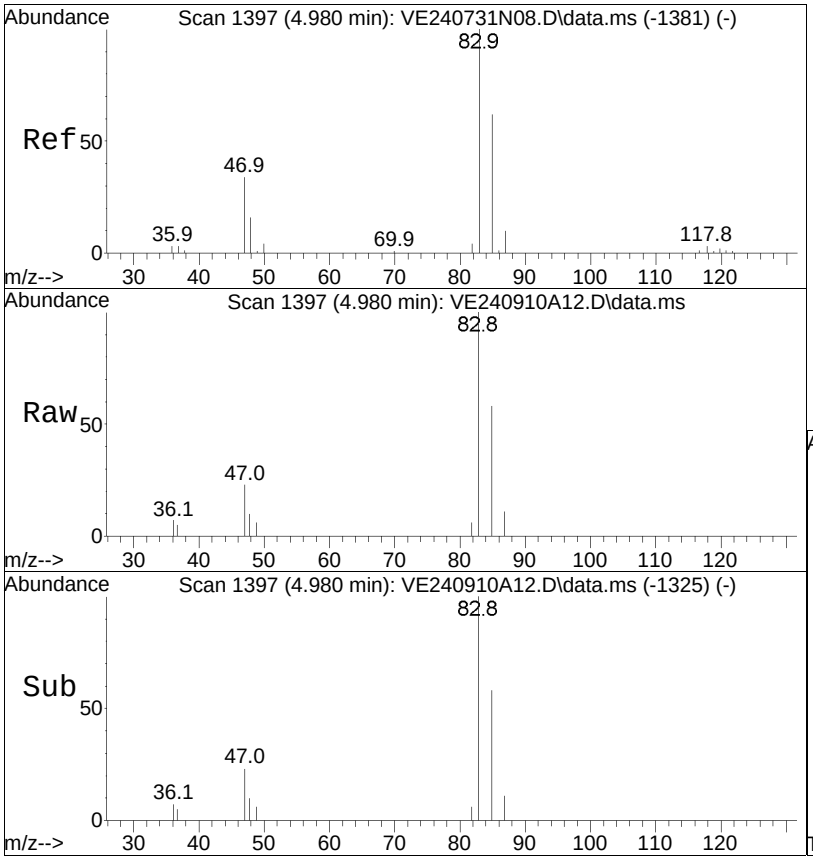


#17
Acetone
Concen: 0.41 ug/L M1
RT: 3.496 min Scan# 865
Delta R.T. -0.008 min
Lab File: VE240910A12.D
Acq: 10 Sep 2024 1:04 pm

Tgt Ion: 43 Resp: 808

Ion	Ratio	Lower	Upper
43	100		
58	9.0	23.4	35.0#

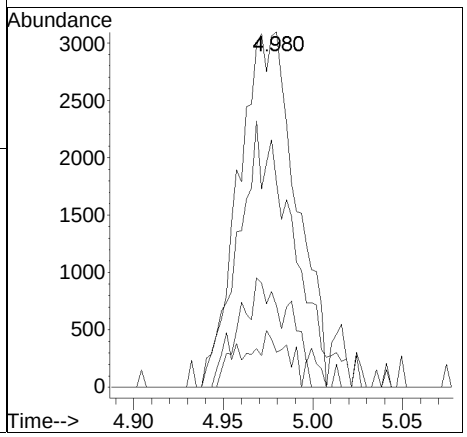


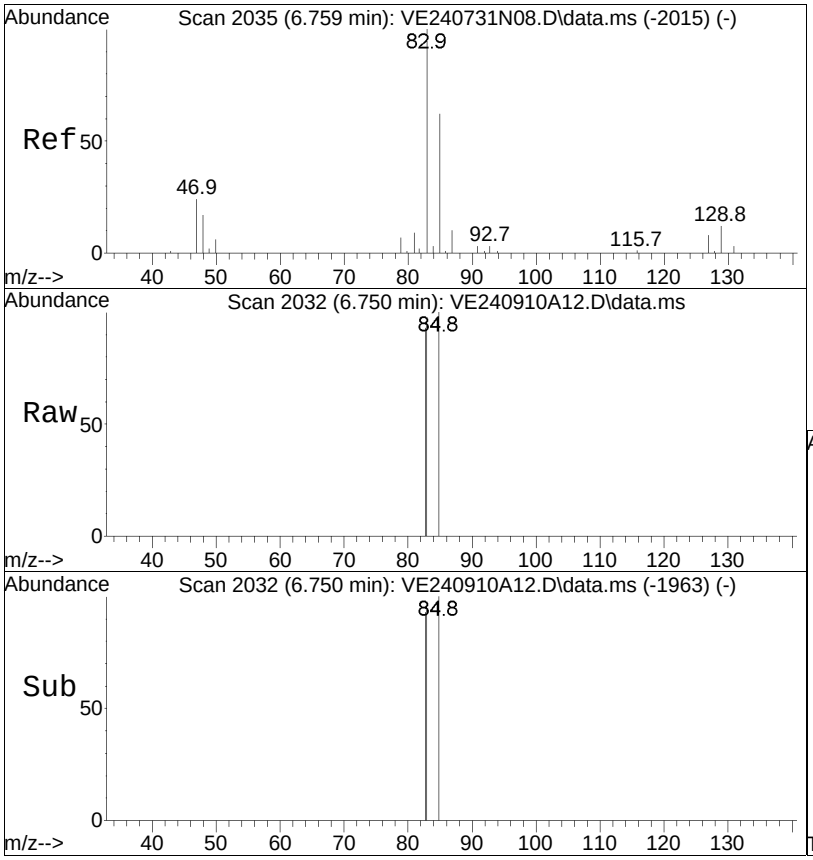


#35
Chloroform
Concen: 0.81 ug/L M3
RT: 4.980 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VE240910A12.D
Acq: 10 Sep 2024 1:04 pm

Tgt Ion: 83 Resp: 7245

Ion	Ratio	Lower	Upper
83	100		
85	30.8	41.3	85.9#
47	18.1	20.9	43.3#
48	7.7	10.3	21.5#

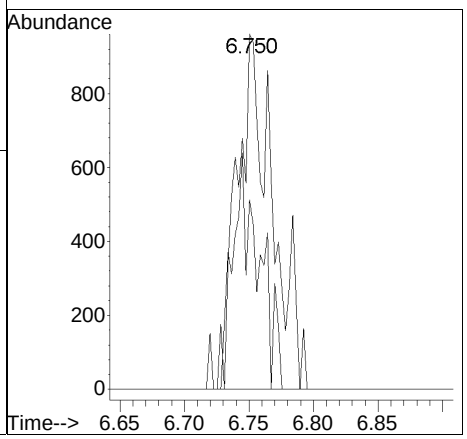


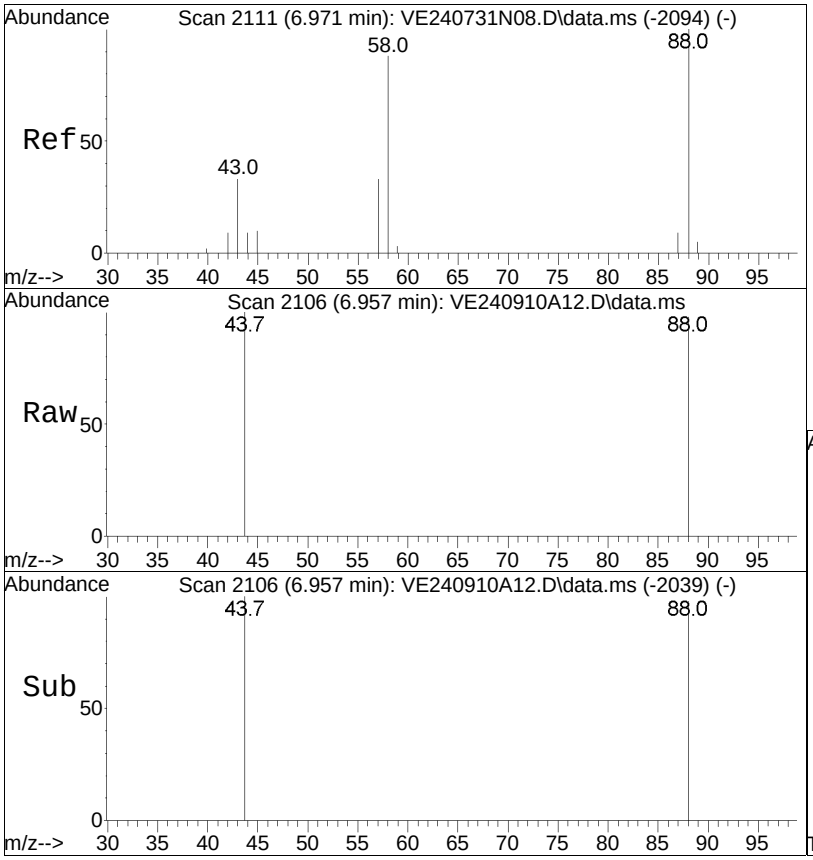


#58
Bromodichloromethane
Concen: 0.24 ug/L M1
RT: 6.750 min Scan# 2032
Delta R.T. -0.009 min
Lab File: VE240910A12.D
Acq: 10 Sep 2024 1:04 pm

Tgt Ion: 83 Resp: 1823

Ion	Ratio	Lower	Upper
83	100		
85	36.0	46.6	69.8#
127	0.0	6.2	9.4#

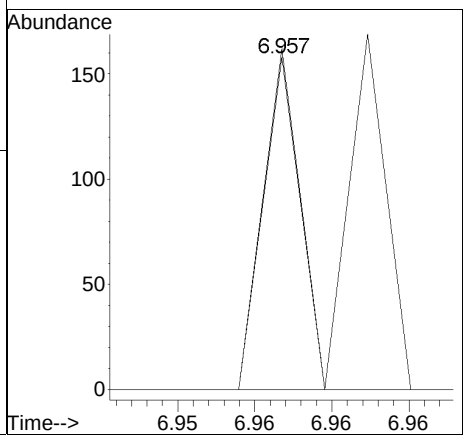




#61
1,4-Dioxane
Concen: 0.51 ug/L
RT: 6.957 min Scan# 2106
Delta R.T. -0.014 min
Lab File: VE240910A12.D
Acq: 10 Sep 2024 1:04 pm

Tgt Ion: 88 Resp: 26

Ion	Ratio	Lower	Upper
88	100		
58	0.0	62.8	94.2#
43	211.5	36.6	55.0#

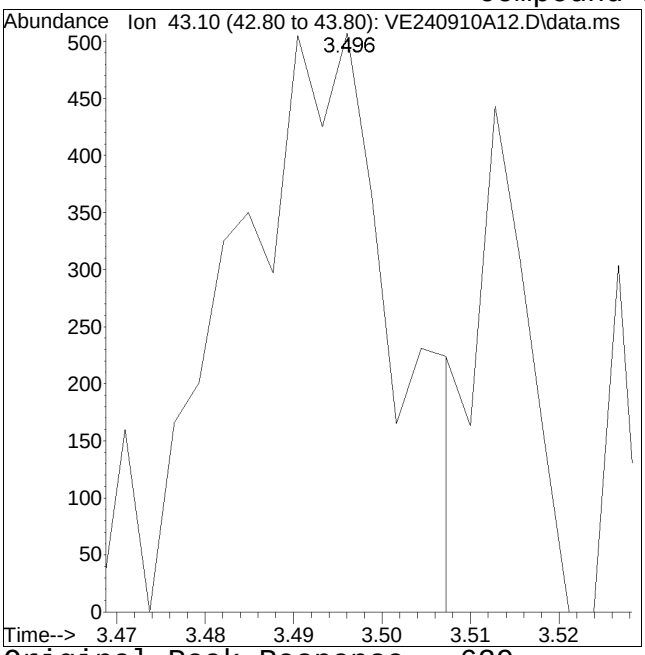


Manual Integration Report

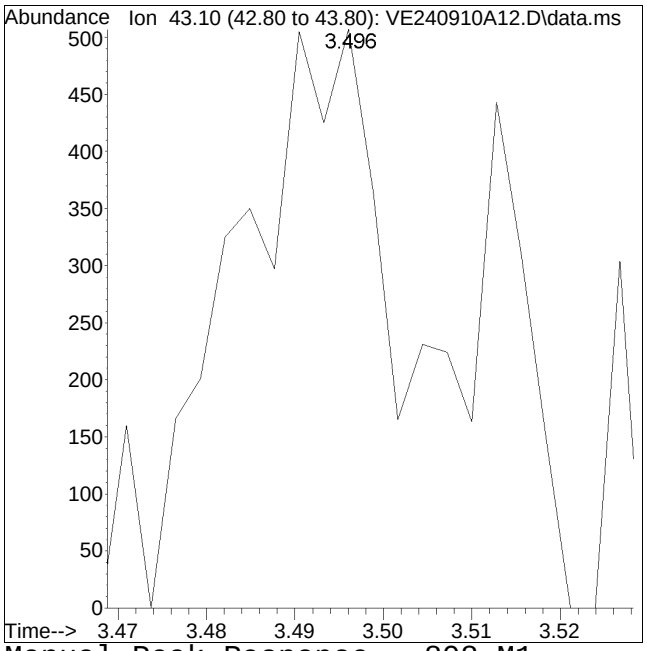
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Date Inj'd : 9/10/2024 1:04 pm
Sample : L2450786-07,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 629



Manual Peak Response = 808 M1

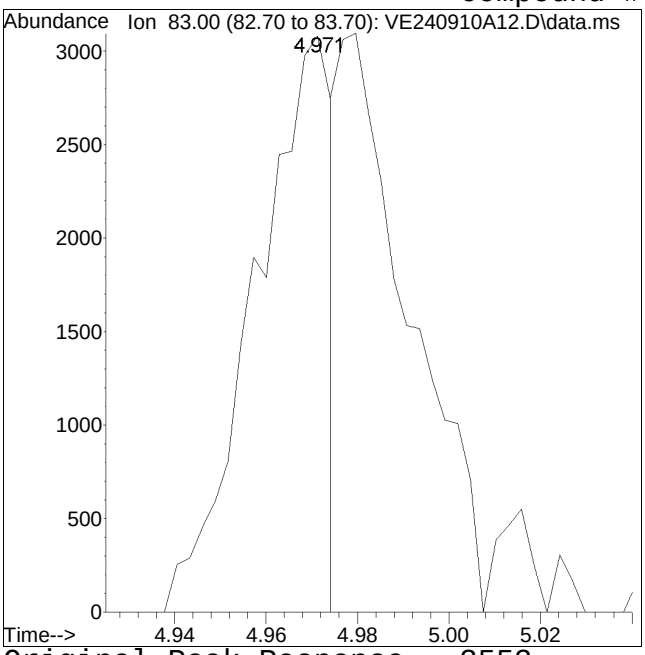
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

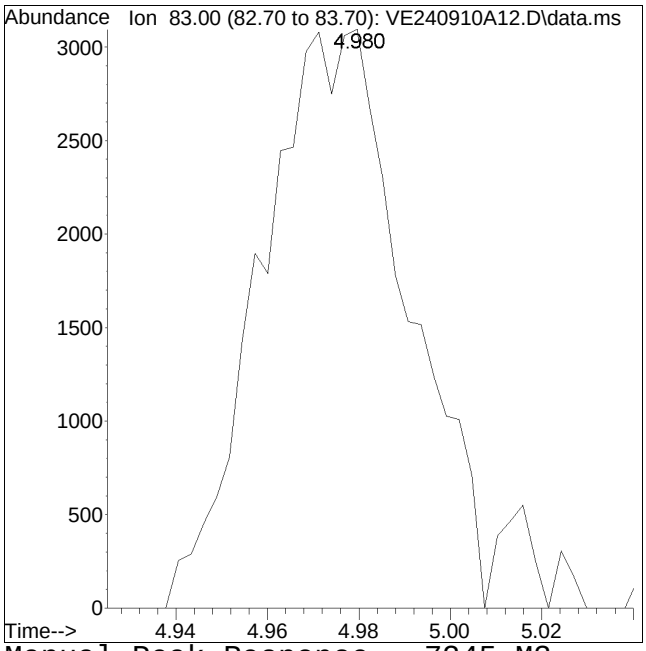
Manual Integration Report

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A12.D
Date Inj'd : 9/10/2024 1:04 pm
Sample : L2450786-07,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #35: Chloroform





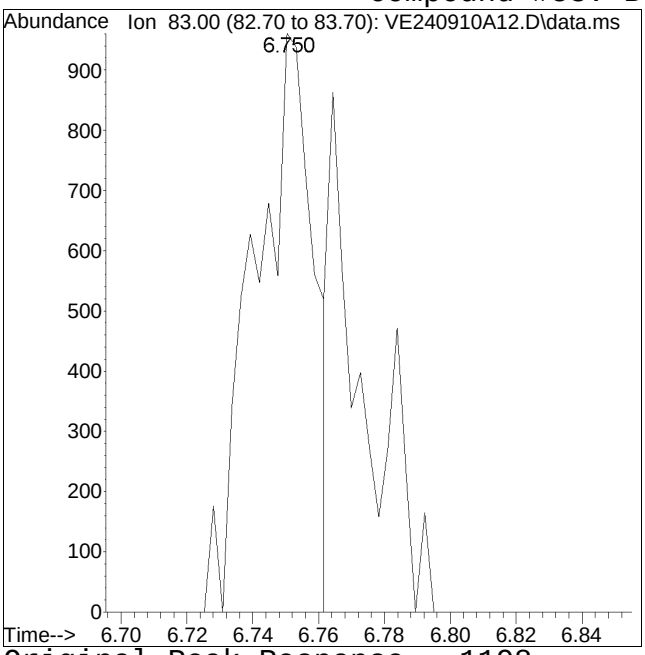
Original Peak Response = 3553 Manual Peak Response = 7245 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

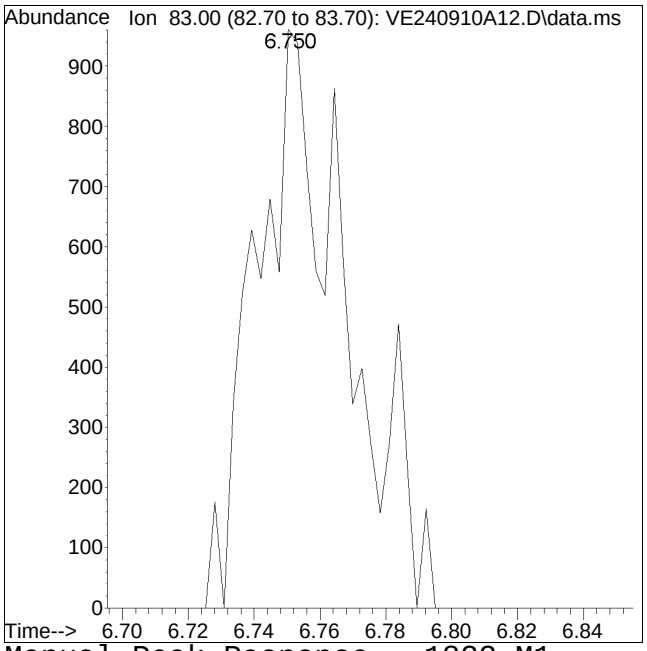
Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A12.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 1:04 pm	Instrument	: Elaine
Sample	: L2450786-07,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

Compound #58: Bromodichloromethane



Original Peak Response = 1198



Manual Peak Response = 1823 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A13.D
Acq On : 10 Sep 2024 1:28 pm
Operator : ELAINE:RAW
Sample : L2450786-08,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 17:18:23 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.959	96	263610	10.000	ug/L	0.00
Standard Area 1 = 302045			Recovery = 87.28%			
63) Chlorobenzene-d5	9.486	117	203832	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 90.13%			
84) 1,4-Dichlorobenzene-d4	12.200	152	118420	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 92.06%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.153	113	64937	10.523	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.23%			
47) 1,2-Dichloroethane-d4	5.671	65	74543	9.053	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.53%			
64) Toluene-d8	7.646	98	257652	9.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.96%			
88) 4-Bromofluorobenzene	10.989	95	95645	8.743	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.43%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.422	85	57	N.D.		
3) Chloromethane	1.795	50	27	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	2.216	64	121	N.D.		
7) Trichlorofluoromethane	2.490	101	28	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.930	76	837	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.502	43	536M3	0.277	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.436	43	32	N.D.		
30) cis-1,2-Dichloroethene	4.779	96	31	N.D.		
31) 2,2-Dichloropropane	4.645	77	26	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A13.D
Acq On : 10 Sep 2024 1:28 pm
Operator : ELAINE:RAW
Sample : L2450786-08,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 17:18:23 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.278	43	29		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	5.543	78	27		N.D.	
48) 1,2-Dichloroethane	5.641	62	67		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	6.753	83	36		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.721	92	30		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.177	43	28		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.509	91	41		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.663	105	89		N.D.	
89) Bromobenzene	11.001	156	31		N.D.	
90) n-Propylbenzene	11.146	91	68		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	11.212	91	32		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	11.321	75	30		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.500	91	26		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A13.D
Acq On : 10 Sep 2024 1:28 pm
Operator : ELAINE:RAW
Sample : L2450786-08,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 17:18:23 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.795	105	77	N.D.		
103) sec-Butylbenzene	11.910	105	29	N.D.		
104) p-Isopropyltoluene	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.127	146	29	N.D.		
106) 1,4-Dichlorobenzene	12.219	146	56	N.D.		
107) p-Diethylbenzene	0.000		0	N.D.		
108) n-Butylbenzene	12.498	91	32	N.D.		
109) 1,2-Dichlorobenzene	12.637	146	34	N.D.		
110) 1,2,4,5-Tetramethylben...	13.223	119	31	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	14.051	180	88	N.D.		
115) Naphthalene	14.336	128	69	N.D.		
116) 1,2,3-Trichlorobenzene	14.511	180	69	N.D.		

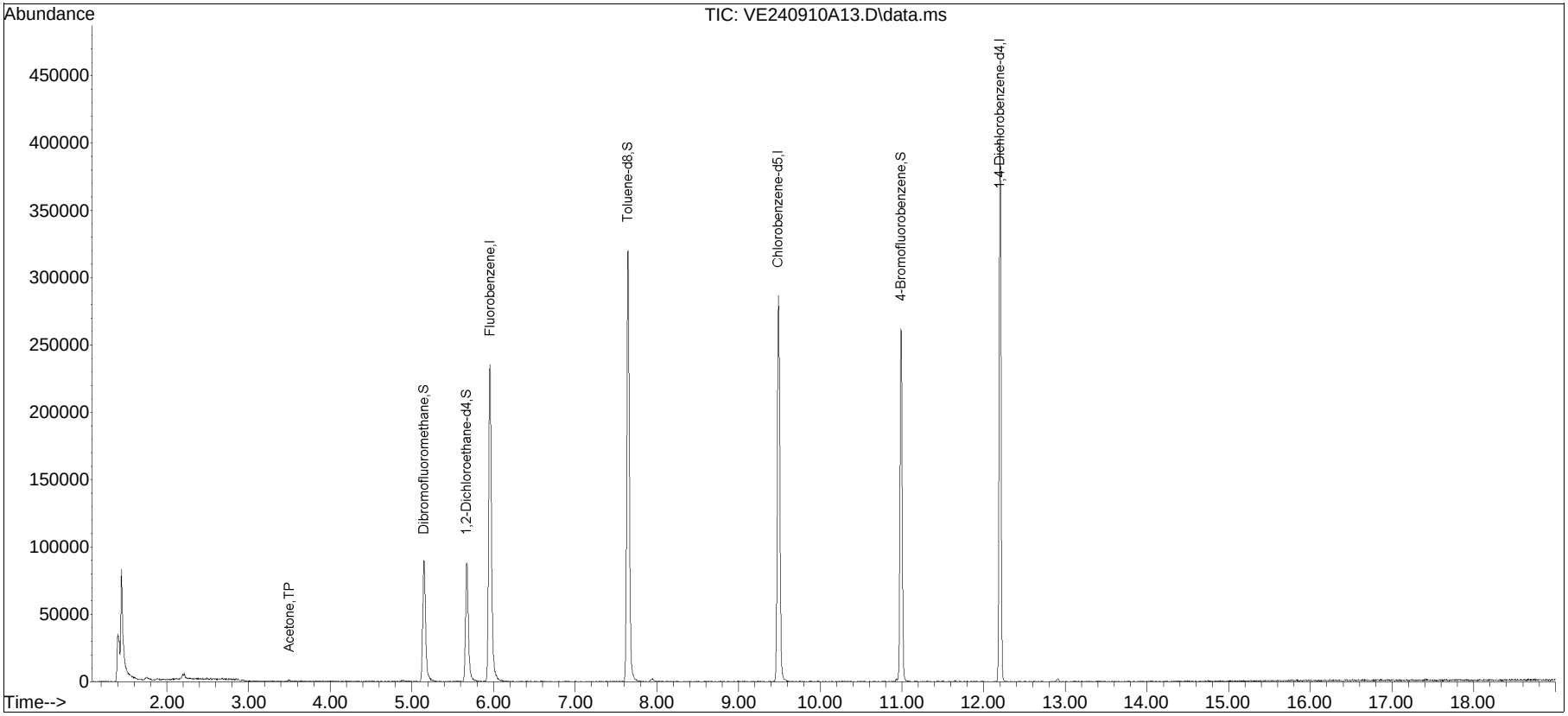
(#) = qualifier out of range (m) = manual integration (+) = signals summed

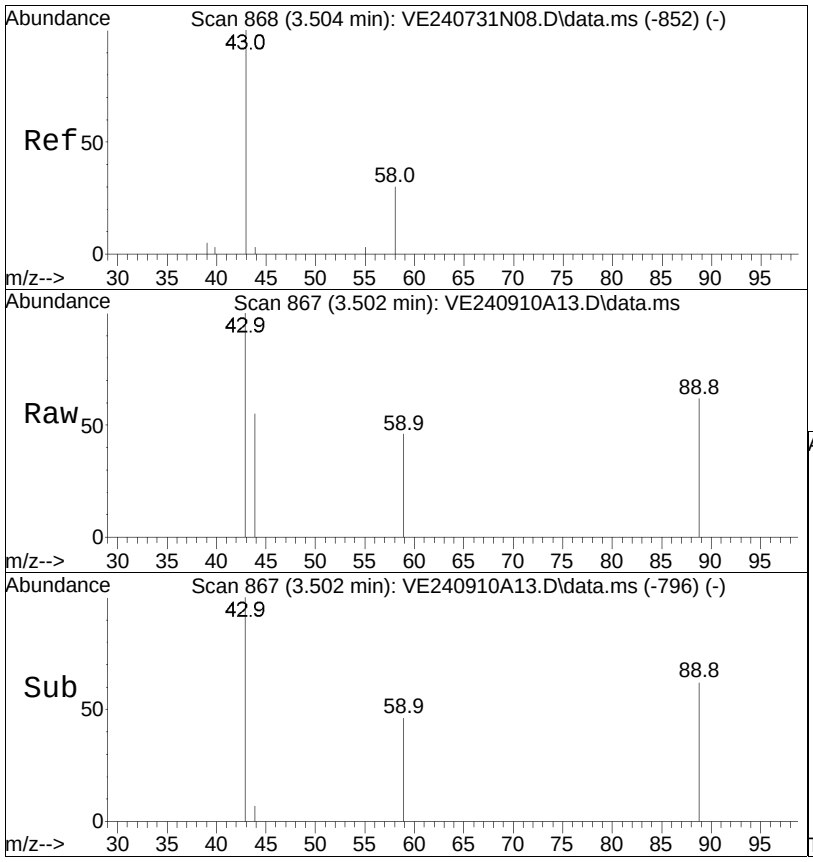
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A13.D
Acq On : 10 Sep 2024 1:28 pm
Operator : ELAINE:RAW
Sample : L2450786-08,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 17:18:23 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

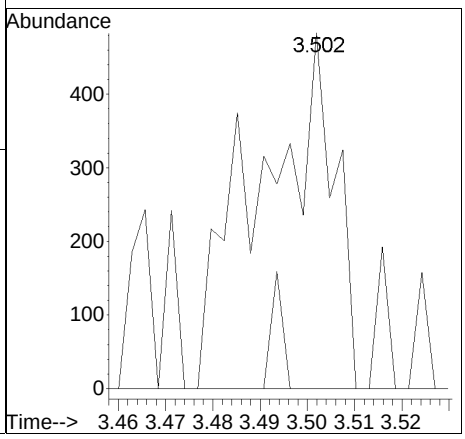




#17
Acetone
Concen: 0.28 ug/L M3
RT: 3.502 min Scan# 867
Delta R.T. -0.002 min
Lab File: VE240910A13.D
Acq: 10 Sep 2024 1:28 pm

Tgt Ion: 43 Resp: 536

Ion	Ratio	Lower	Upper
43	100		
58	5.0	23.4	35.0#

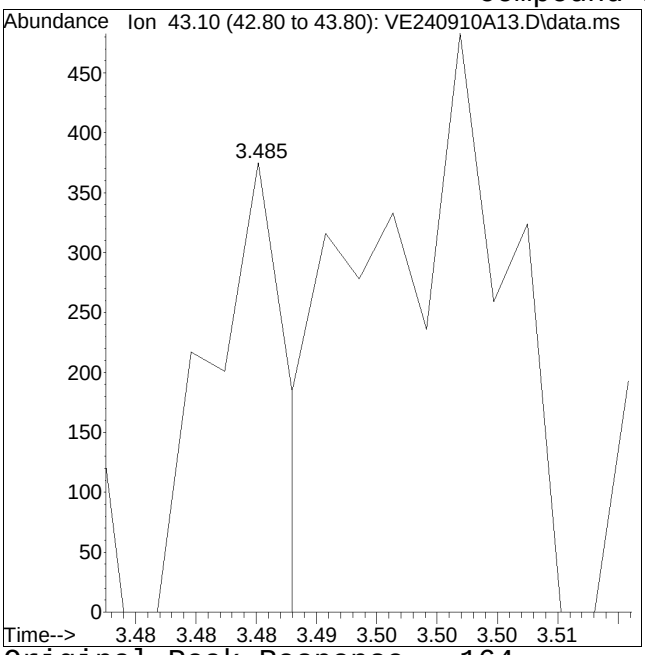


Manual Integration Report

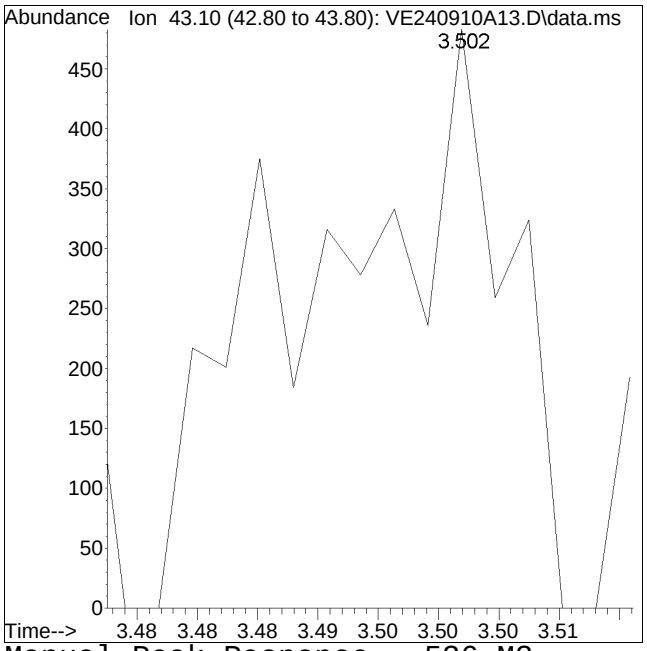
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A13.D
Date Inj'd : 9/10/2024 1:28 pm
Sample : L2450786-08,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 164



Manual Peak Response = 536 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A14.D
Acq On : 10 Sep 2024 1:53 pm
Operator : ELAINE:RAW
Sample : L2450786-09,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 17:18:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.956	96	261846	10.000	ug/L	-0.01
Standard Area 1 = 302045			Recovery = 86.69%			
63) Chlorobenzene-d5	9.489	117	203933	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 90.18%			
84) 1,4-Dichlorobenzene-d4	12.202	152	117887	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 91.65%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.150	113	65259	10.646	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.46%			
47) 1,2-Dichloroethane-d4	5.671	65	72592	8.875	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.75%			
64) Toluene-d8	7.646	98	257776	9.596	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.96%			
88) 4-Bromofluorobenzene	10.989	95	94646	8.691	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.91%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.421	85	61	N.D.		
3) Chloromethane	1.778	50	134	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	2.261	64	25	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.933	76	273	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.502	43	843M3	0.439	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	3.544	73	40	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.464	43	44	N.D.		
30) cis-1,2-Dichloroethene	4.718	96	28	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	4.974	83	162	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A14.D
Acq On : 10 Sep 2024 1:53 pm
Operator : ELAINE:RAW
Sample : L2450786-09,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 17:18:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.275	43	30		N.D.	
43) 1,1-Dichloropropene	5.178	75	55		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	5.749	62	28		N.D.	
52) Trichloroethene	6.020	95	215		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.715	92	26		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.157	43	32		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.489	91	88		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	10.370	104	43		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.666	105	33		N.D.	
89) Bromobenzene	10.992	156	28		N.D.	
90) n-Propylbenzene	11.154	91	30		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.385	105	33		N.D.	
94) 2-Chlorotoluene	11.173	91	30		N.D.	
95) 1,3,5-Trimethylbenzene	11.385	105	33		N.D.	
96) 1,2,3-Trichloropropane	11.483	75	26		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A14.D
Acq On : 10 Sep 2024 1:53 pm
Operator : ELAINE:RAW
Sample : L2450786-09,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 17:18:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
103)	sec-Butylbenzene	0.000		0		N.D.	
104)	p-Isopropyltoluene	12.049	119	28		N.D.	
105)	1,3-Dichlorobenzene	12.124	146	37		N.D.	
106)	1,4-Dichlorobenzene	12.211	146	34		N.D.	
107)	p-Diethylbenzene	12.439	119	26		N.D.	
108)	n-Butylbenzene	0.000		0		N.D.	
109)	1,2-Dichlorobenzene	0.000		0		N.D.	
110)	1,2,4,5-Tetramethylben...	13.234	119	126		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113)	Hexachlorobutadiene	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
115)	Naphthalene	14.341	128	87		N.D.	
116)	1,2,3-Trichlorobenzene	14.514	180	26		N.D.	

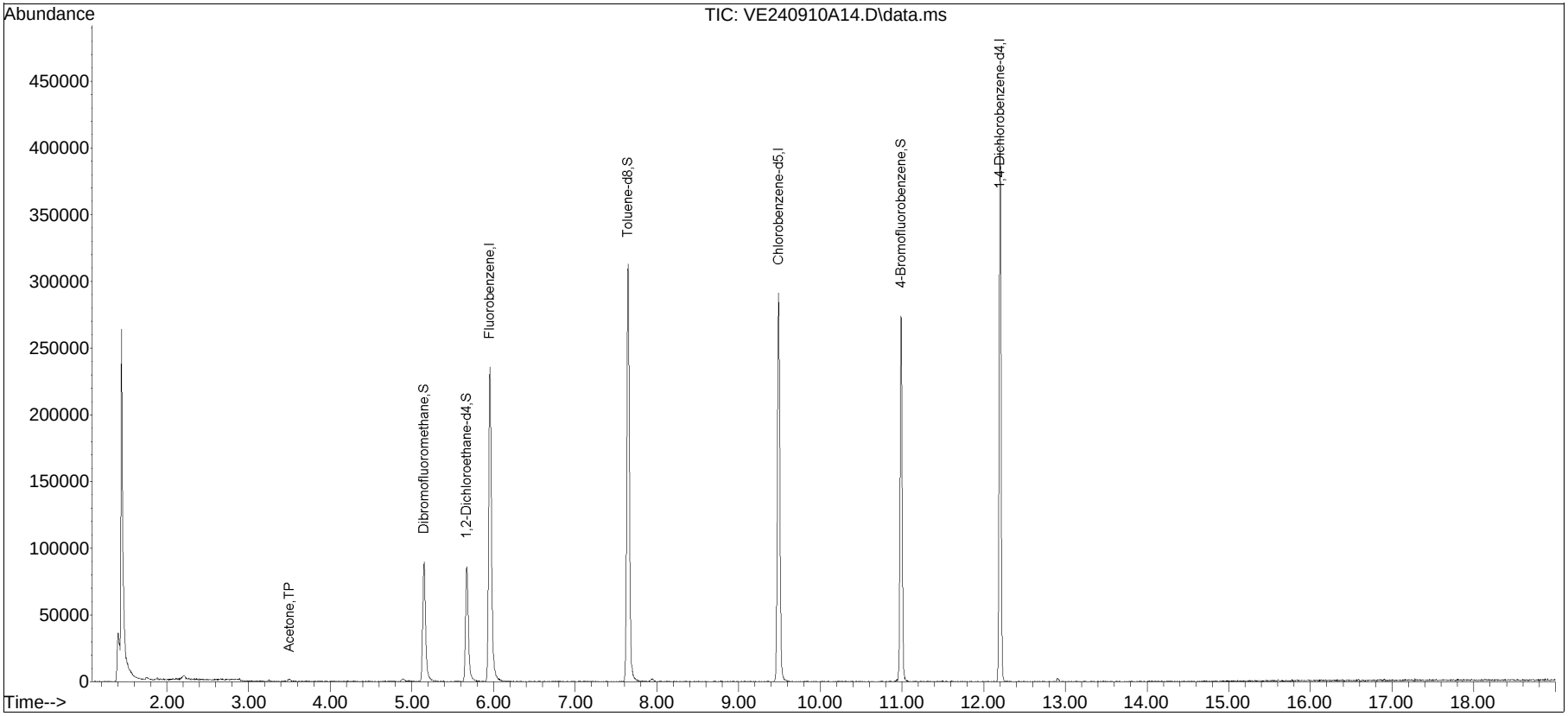
(#) = qualifier out of range (m) = manual integration (+) = signals summed

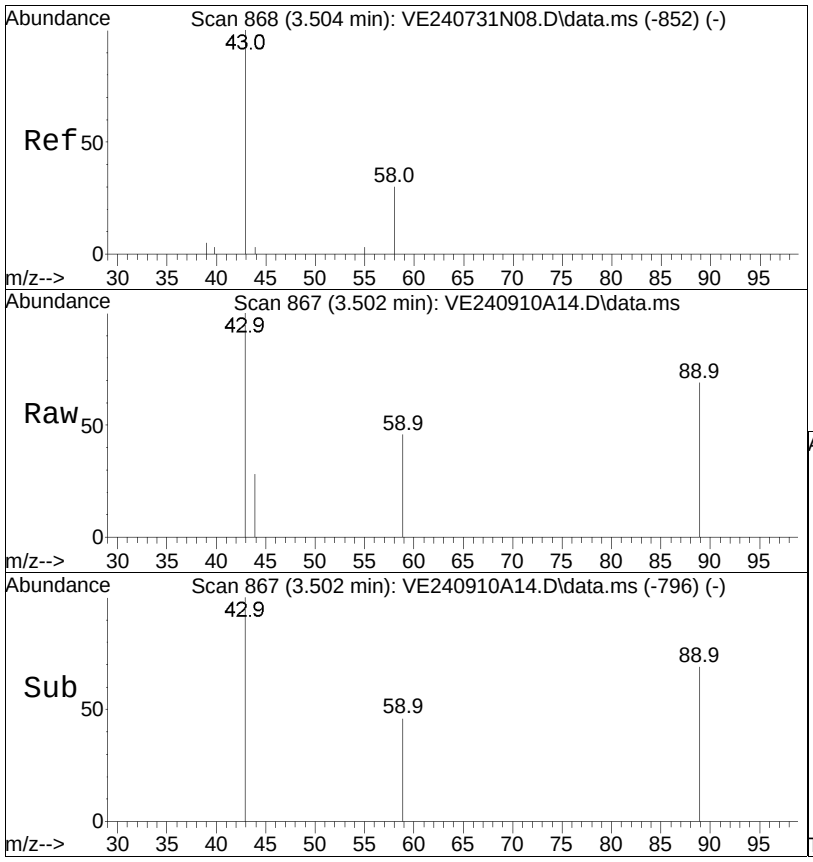
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A14.D
Acq On : 10 Sep 2024 1:53 pm
Operator : ELAINE:RAW
Sample : L2450786-09,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 17:18:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

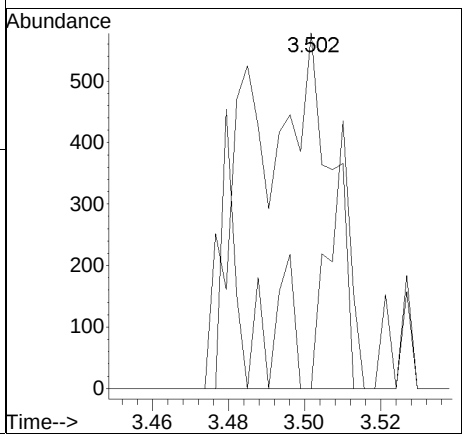




#17
Acetone
Concen: 0.44 ug/L M3
RT: 3.502 min Scan# 867
Delta R.T. -0.002 min
Lab File: VE240910A14.D
Acq: 10 Sep 2024 1:53 pm

Tgt Ion: 43 Resp: 843

Ion	Ratio	Lower	Upper
43	100		
58	12.0	23.4	35.0#

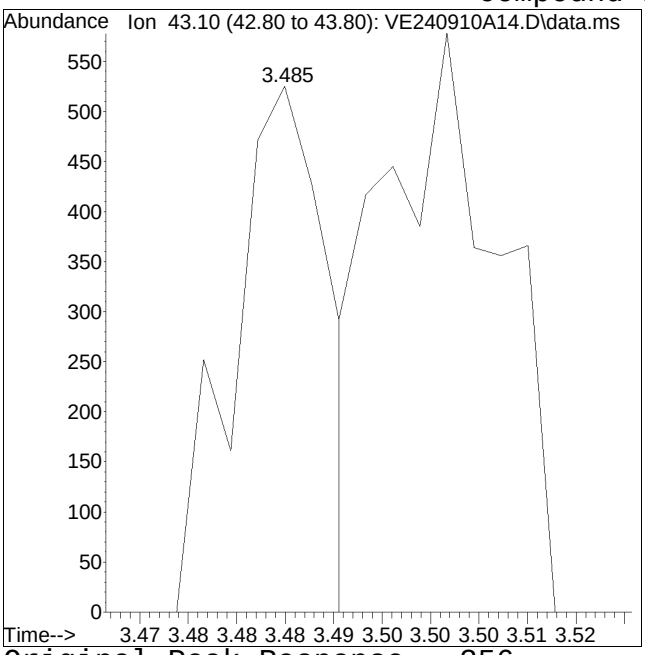


Manual Integration Report

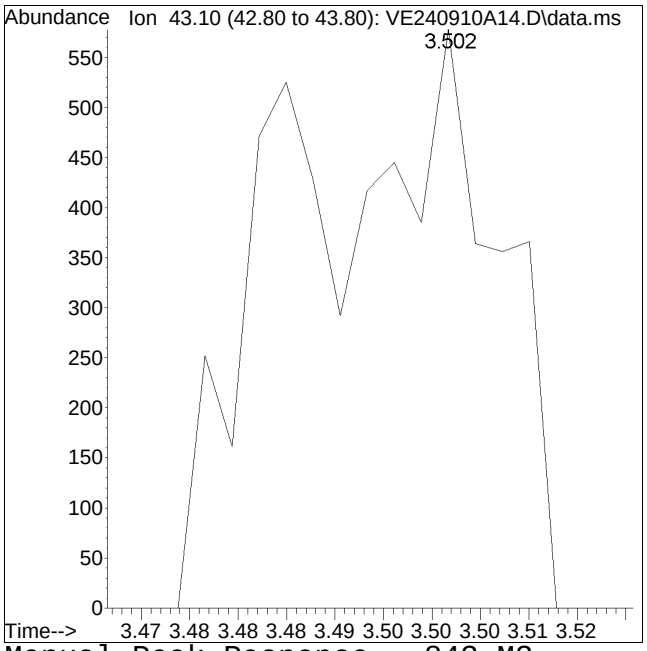
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A14.D
Date Inj'd : 9/10/2024 1:53 pm
Sample : L2450786-09,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 356



Manual Peak Response = 843 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A15.D
Acq On : 10 Sep 2024 2:18 pm
Operator : ELAINE:RAW
Sample : L2450786-10,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 17:19:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.956	96	265132	10.000	ug/L	-0.01
Standard Area 1 = 302045			Recovery = 87.78%			
63) Chlorobenzene-d5	9.489	117	204187	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 90.29%			
84) 1,4-Dichlorobenzene-d4	12.200	152	119126	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 92.61%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.147	113	63154	10.175	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.75%			
47) 1,2-Dichloroethane-d4	5.671	65	73339	8.855	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.55%			
64) Toluene-d8	7.646	98	257813	9.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.86%			
88) 4-Bromofluorobenzene	10.986	95	96265	8.748	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.419	85	100	N.D.		
3) Chloromethane	1.773	50	27	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	2.261	64	33	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	2.880	74	28	N.D.		
10) 1,1-Dichloroethene	2.947	96	28	N.D.		
11) Carbon disulfide	2.944	76	107	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.493	43	1220M1	0.627	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	3.697	73	534	N.D.		
25) 1,1-Dichloroethane	4.182	63	256	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.394	43	29	N.D.		
30) cis-1,2-Dichloroethene	4.790	96	57	N.D.		
31) 2,2-Dichloropropane	4.871	77	38	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	4.977	83	2245M3	0.253	ug/L	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A15.D
Acq On : 10 Sep 2024 2:18 pm
Operator : ELAINE:RAW
Sample : L2450786-10,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 17:19:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.	
40) 1,1,1-Trichloroethane	0.000		0	N.D.	
42) 2-Butanone	5.261	43	30	N.D.	
43) 1,1-Dichloropropene	5.278	75	26	N.D.	
45) Benzene	5.560	78	28	N.D.	
48) 1,2-Dichloroethane	0.000		0	N.D.	
52) Trichloroethene	0.000		0	N.D.	
54) Dibromomethane	0.000		0	N.D.	
55) 1,2-Dichloropropane	0.000		0	N.D.	
58) Bromodichloromethane	0.000		0	N.D.	
61) 1,4-Dioxane	0.000		0	N.D.	
62) cis-1,3-Dichloropropene	0.000		0	N.D.	
65) Toluene	7.701	92	28	N.D.	
66) 4-Methyl-2-pentanone	0.000		0	N.D.	
67) Tetrachloroethene	8.150	166	872M1	0.146 ug/L	
69) trans-1,3-Dichloropropene	8.376	75	28	N.D.	
72) 1,1,2-Trichloroethane	0.000		0	N.D.	
73) Chlorodibromomethane	0.000		0	N.D.	
74) 1,3-Dichloropropane	0.000		0	N.D.	
75) 1,2-Dibromoethane	0.000		0	N.D.	
77) 2-Hexanone	9.135	43	28	N.D.	
78) Chlorobenzene	0.000		0	N.D.	
79) Ethylbenzene	9.500	91	58	N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
81) p/m Xylene	0.000		0	N.D.	
82) o Xylene	0.000		0	N.D.	
83) Styrene	0.000		0	N.D.	
85) Bromoform	0.000		0	N.D.	
87) Isopropylbenzene	10.669	105	31	N.D.	
89) Bromobenzene	10.961	156	30	N.D.	
90) n-Propylbenzene	11.145	91	42	N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
93) 4-Ethyltoluene	0.000		0	N.D.	
94) 2-Chlorotoluene	11.154	91	33	N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
96) 1,2,3-Trichloropropane	11.240	75	25	N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	
98) 4-Chlorotoluene	0.000		0	N.D.	
99) tert-Butylbenzene	0.000		0	N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A15.D
Acq On : 10 Sep 2024 2:18 pm
Operator : ELAINE:RAW
Sample : L2450786-10,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 17:19:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.790	105	42		N.D.	
103) sec-Butylbenzene	11.898	105	27		N.D.	
104) p-Isopropyltoluene	12.052	119	39		N.D.	
105) 1,3-Dichlorobenzene	12.135	146	26		N.D.	
106) 1,4-Dichlorobenzene	12.222	146	54		N.D.	
107) p-Diethylbenzene	12.434	119	27		N.D.	
108) n-Butylbenzene	12.495	91	33		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.223	119	38		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.046	180	30		N.D.	
115) Naphthalene	14.338	128	62		N.D.	
116) 1,2,3-Trichlorobenzene	14.517	180	39		N.D.	

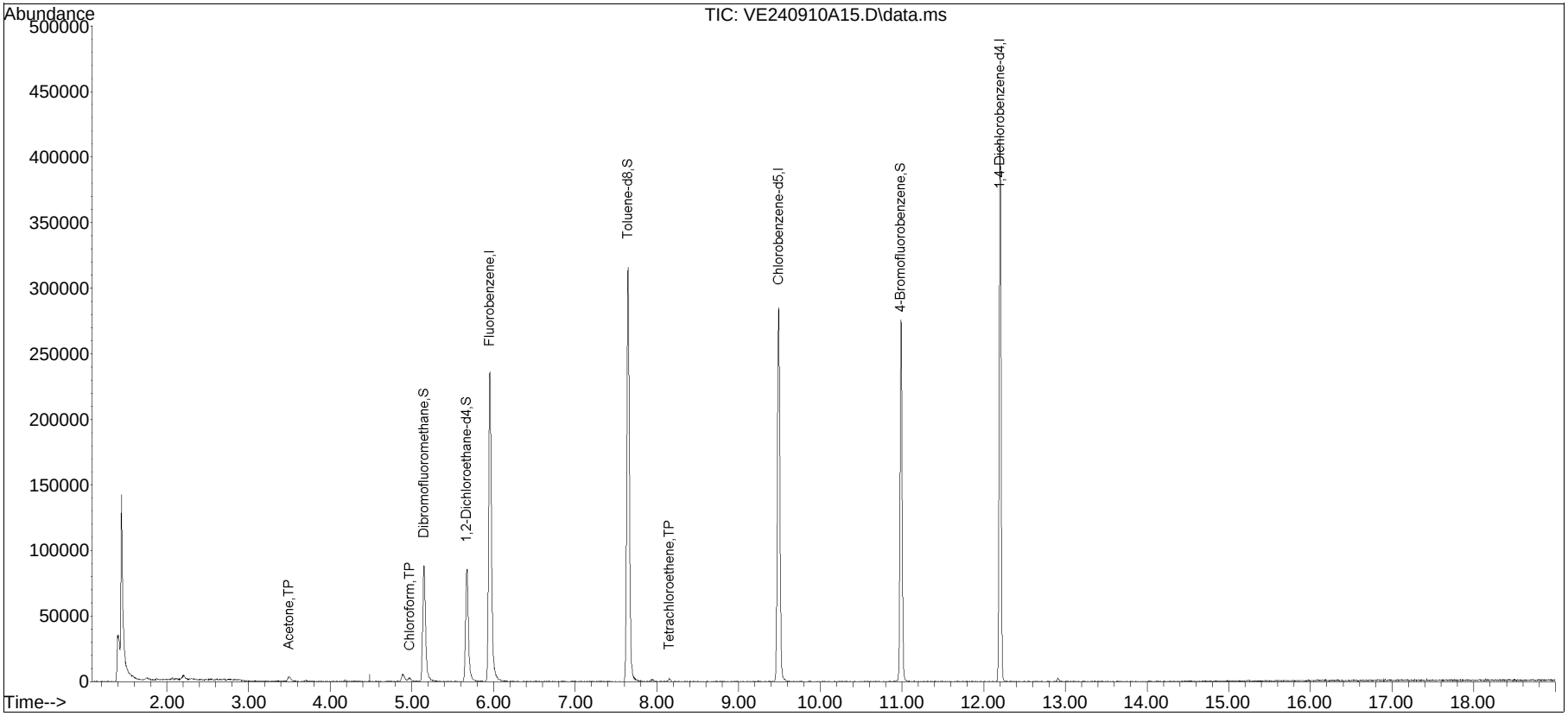
(#) = qualifier out of range (m) = manual integration (+) = signals summed

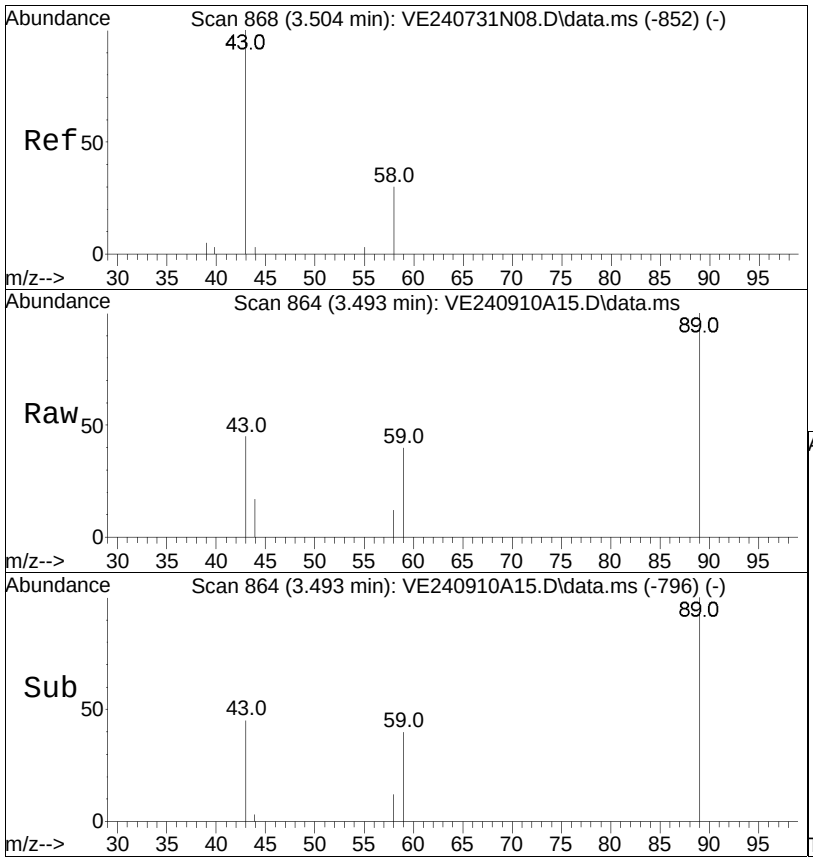
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A15.D
Acq On : 10 Sep 2024 2:18 pm
Operator : ELAINE:RAW
Sample : L2450786-10,31,10,10,,A
Misc : WG1970185,ICAL21358
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 10 17:19:57 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

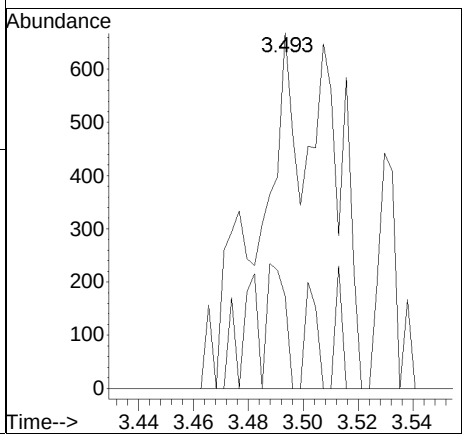


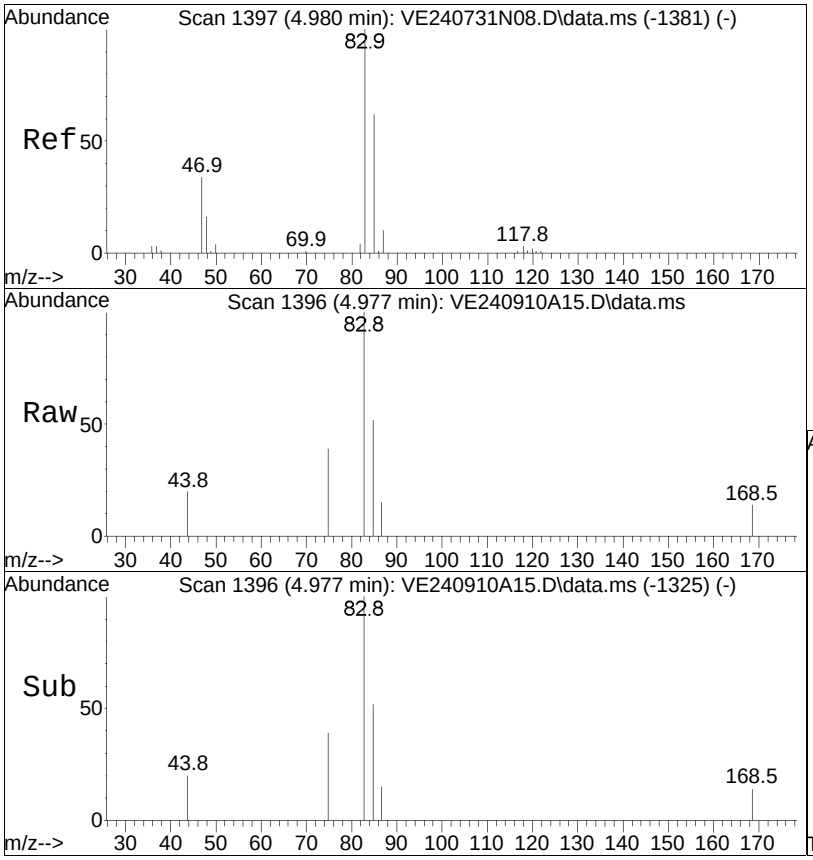


#17
Acetone
Concen: 0.63 ug/L M1
RT: 3.493 min Scan# 864
Delta R.T. -0.011 min
Lab File: VE240910A15.D
Acq: 10 Sep 2024 2:18 pm

Tgt Ion: 43 Resp: 1220

Ion	Ratio	Lower	Upper
43	100		
58	8.7	23.4	35.0#

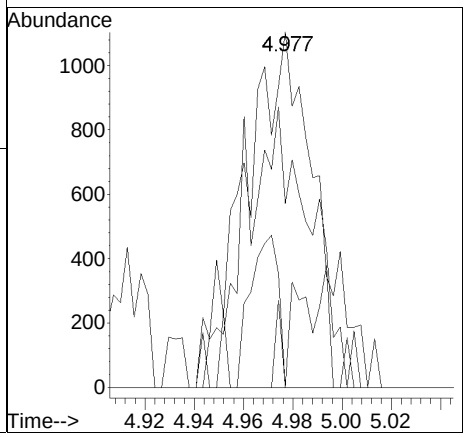


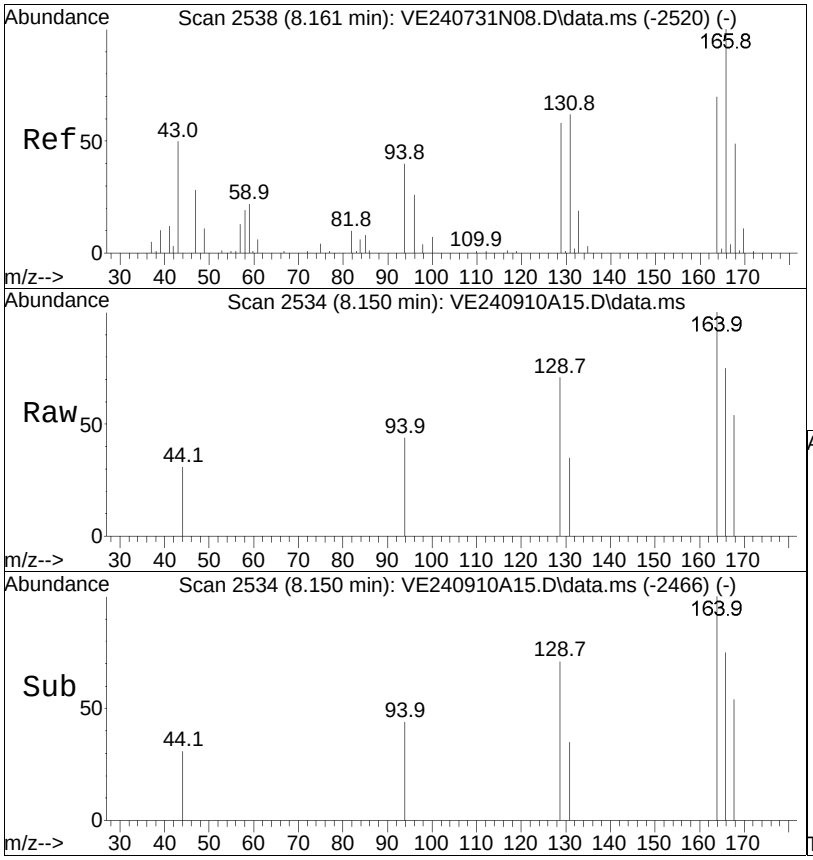


#35
Chloroform
Concen: 0.25 ug/L M3
RT: 4.977 min Scan# 1396
Delta R.T. -0.003 min
Lab File: VE240910A15.D
Acq: 10 Sep 2024 2:18 pm

Tgt Ion: 83 Resp: 2245

Ion	Ratio	Lower	Upper
83	100		
85	49.8	41.3	85.9
47	16.7	20.9	43.3#
48	2.0	10.3	21.5#

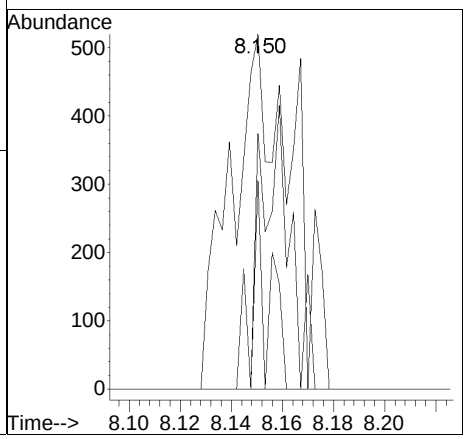




#67
Tetrachloroethene
Concen: 0.15 ug/L M1
RT: 8.150 min Scan# 2534
Delta R.T. -0.011 min
Lab File: VE240910A15.D
Acq: 10 Sep 2024 2:18 pm

Tgt Ion:166 Resp: 872

Ion	Ratio	Lower	Upper
166	100		
168	36.1	25.8	65.8
94	9.3	24.3	64.3#

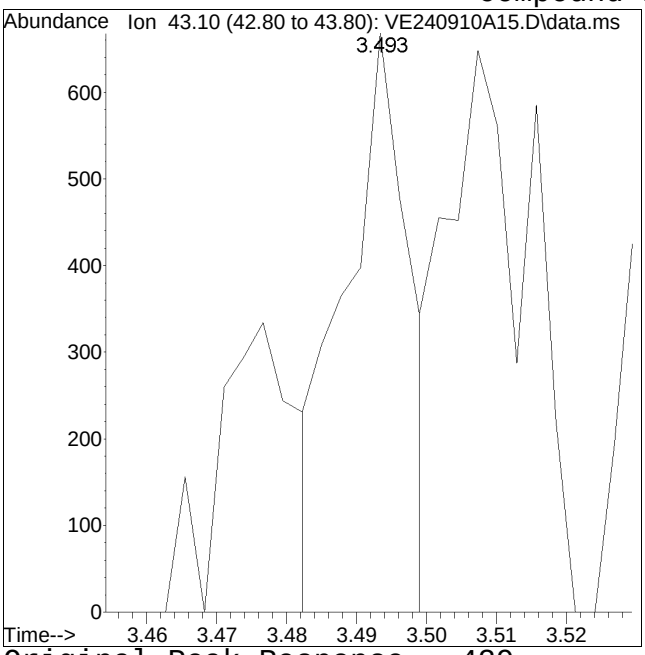


Manual Integration Report

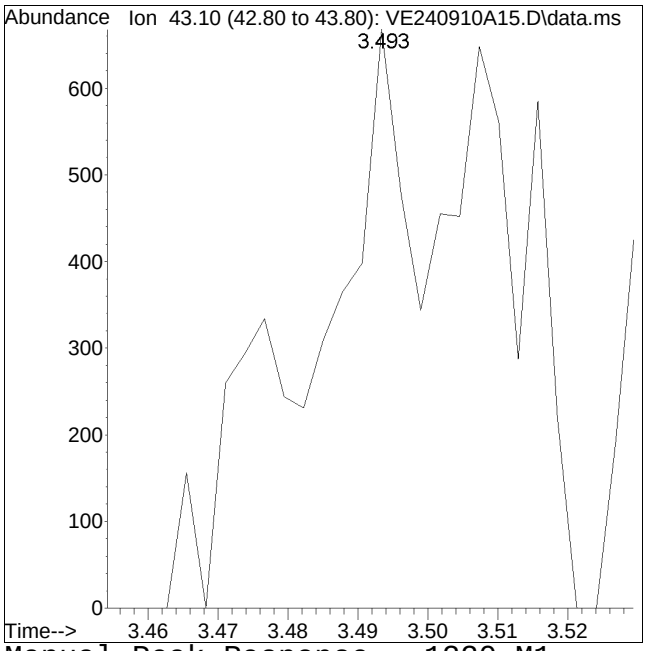
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A15.D
Date Inj'd : 9/10/2024 2:18 pm
Sample : L2450786-10,31,10,10,,A

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:RAW
Instrument : Elaine
Quant Date : 9/10/2024 5:04 pm

Compound #17: Acetone



Original Peak Response = 429



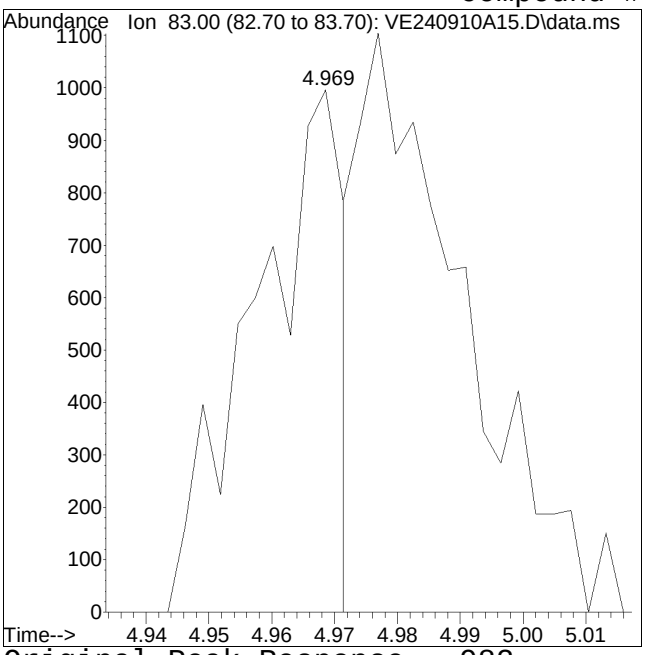
Manual Peak Response = 1220 M1

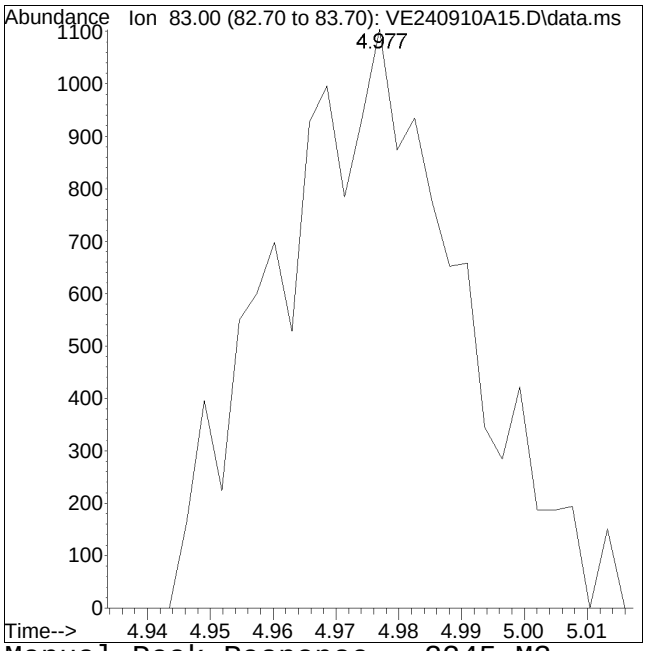
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A15.D	Operator	: ELAINE:RAW
Date Inj'd	: 9/10/2024 2:18 pm	Instrument	: Elaine
Sample	: L2450786-10,31,10,10,,A	Quant Date	: 9/10/2024 5:04 pm

Compound #35: Chloroform





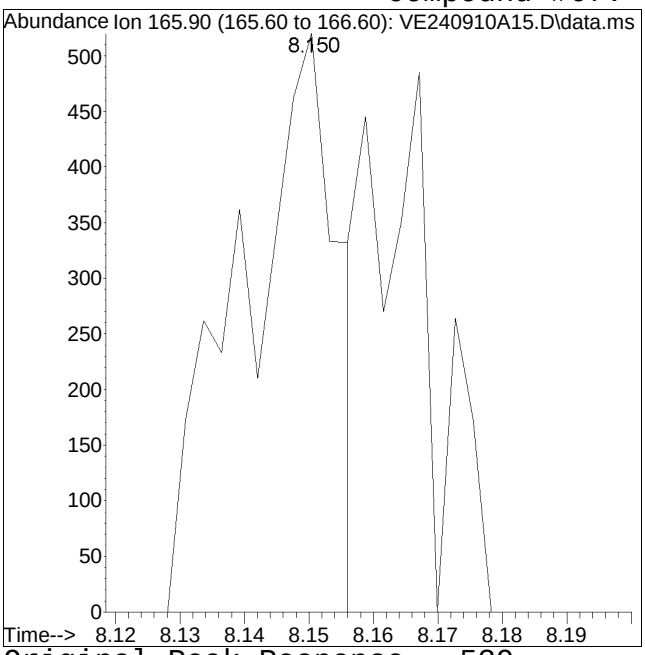
Original Peak Response = 982 Manual Peak Response = 2245 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

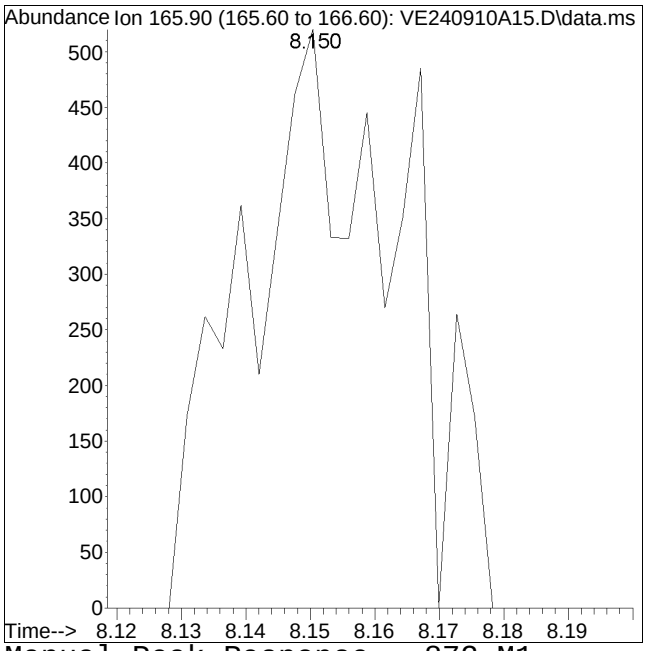
Manual Integration Report

Data Path : K:\Elaine\2024\240910A\ QMethod : Elaine_240731N_8260.m
Data File : VE240910A15.D Operator : ELAINE:RAW
Date Inj'd : 9/10/2024 2:18 pm Instrument : Elaine
Sample : L2450786-10,31,10,10,,A Quant Date : 9/10/2024 5:04 pm

Compound #67: Tetrachloroethene



Original Peak Response = 539



Manual Peak Response = 872 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21358**
Calibration dates	**: 07/31/24 18:35 07/31/24 22:22**		

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.138	0.246	0.220	0.243	0.243	0.244	0.235	0.224	17.36
3)	TP	Chloromethane		0.199	0.251	0.263	0.261	0.259	0.260	0.256	0.250	9.09
4)	TP	Vinyl chloride	0.163	0.159	0.248	0.243	0.263	0.260	0.265	0.260	0.233	19.30
5)	TP	Bromomethane		0.043	0.054	0.058	0.067	0.084	0.095	0.102	*Q	0.9983
6)	TP	Chloroethane		0.109	0.166	0.154	0.151	0.153	0.144	0.107	0.140	16.43
7)	TP	Trichlorofluor		0.189	0.262	0.254	0.291	0.294	0.295	0.287	0.267	14.21
8)	TP	Ethyl ether		0.098	0.094	0.106	0.111	0.111	0.108	0.108	0.105	6.41
10)	TP	1,1-Dichloroet		0.128	0.165	0.154	0.168	0.170	0.170	0.165	0.160	9.41
11)	TP	Carbon disulfide		0.423	0.489	0.504	0.523	0.517	0.512	0.493	0.494	6.86
12)	TP	Freon-113		0.120	0.172	0.163	0.178	0.178	0.183	0.175	0.167	13.06
13)	TP	Iodomethane			0.056	0.087	0.130	0.163	0.172	0.180	*Q	0.9978
14)	TP	Acrolein		0.042	0.047	0.044	0.045	0.045	0.046	0.048	0.045	4.40
15)	TP	Methylene chlo		0.219	0.207	0.204	0.201	0.197	0.195	0.191	0.202	4.65
17)	TP	Acetone			0.094	0.071	0.077	0.071	0.065	0.063	0.073	15.12
18)	TP	trans-1,2-Dich		0.134	0.173	0.177	0.180	0.183	0.181	0.176	0.172	9.89
19)	TP	Methyl acetate		0.231	0.183	0.165	0.161	0.156	0.153	0.149	0.171	16.75
21)	TP	Methyl tert butyl ether		0.595	0.630	0.676	0.661	0.657	0.646	0.629	0.642	4.16
22)	TP	tert-Butyl alc		0.021	0.023	0.024	0.024	0.023	0.023	0.023	0.023	4.09
24)	TP	Diisopropyl ether		0.797	0.878	0.965	0.985	0.960	0.936	0.916	0.920	7.03
25)	TP	1,1-Dichloroet		0.339	0.407	0.424	0.424	0.420	0.409	0.405	0.404	7.39
26)	TP	Halothane		0.117	0.137	0.142	0.147	0.145	0.143	0.141	0.139	7.40
27)	TP	Acrylonitrile		0.076	0.081	0.088	0.089	0.087	0.086	0.084	0.084	5.26
28)	TP	Ethyl tert-but		0.694	0.779	0.838	0.837	0.826	0.811	0.800	0.798	6.32
29)	TP	Vinyl acetate		0.679	0.649	0.556	0.550	0.513	0.670	0.667	0.612	11.34
30)	TP	cis-1,2-Dichlo		0.183	0.211	0.211	0.208	0.214	0.211	0.205	0.206	5.19
31)	TP	2,2-Dichloropr		0.240	0.279	0.270	0.284	0.278	0.279	0.263	0.270	5.58
33)	TP	Bromochloromet		0.089	0.091	0.096	0.096	0.091	0.086	0.085	0.091#	4.89
34)	TP	Cyclohexane		0.384	0.496	0.452	0.498	0.498	0.499	0.484	0.473	8.98
35)	TP	Chloroform		0.303	0.352	0.346	0.336	0.339	0.333	0.335	0.335	4.66
36)	TP	Ethyl acetate		0.314	0.226	0.262	0.255	0.249	0.243	0.242	0.256	11.00
37)	TP	Carbon tetrachloride	0.229	0.188	0.270	0.260	0.275	0.275	0.279	0.271	0.256	12.38
38)	TP	Tetrahydrofuran		0.087	0.083	0.081	0.080	0.078	0.074	0.073	0.079	5.85
39)	S	Dibromofluoromethane	0.242	0.242	0.240	0.238	0.232	0.231	0.224	0.223	0.234	3.26
40)	TP	1,1,1-Trichlor		0.265	0.301	0.310	0.316	0.315	0.315	0.308	0.304	5.96
42)	TP	2-Butanone			0.118	0.104	0.105	0.104	0.100	0.099	0.105	6.40

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21358**
Calibration dates	**: 07/31/24 18:35 07/31/24 22:22**		

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.193	0.259	0.260	0.270	0.271	0.271	0.268	0.256	11.09
45) TP	Benzene	0.719	0.654	0.814	0.838	0.839	0.835	0.825	0.813	0.792	8.59
46) TP	Tertiary-Amyl Methyl Ether		0.549	0.579	0.619	0.622	0.611	0.607	0.598	0.598	4.33
47) S	1,2-Dichloroethane-d4	0.326	0.322	0.322	0.316	0.305	0.309	0.298	0.302	0.312	3.33
48) T	1,2-Dichloroet		0.295	0.300	0.320	0.314	0.310	0.303	0.299	0.306	2.93
51) TP	Methyl cyclohe		0.281	0.360	0.333	0.364	0.386	0.390	0.377	0.356	10.67
52) TP	Trichloroethene	0.193	0.161	0.200	0.210	0.217	0.216	0.201	0.195	0.199#	8.96
54) TP	Dibromomethane		0.096	0.116	0.120	0.119	0.118	0.116	0.117	0.115	7.18
55) TP	1,2-Dichloropr		0.215	0.233	0.249	0.248	0.246	0.242	0.239	0.239	5.05
57) TP	2-Chloroethyl		0.127	0.145	0.157	0.163	0.167	0.160	0.158	0.154	8.95
58) TP	Bromodichlorom		0.250	0.293	0.294	0.289	0.290	0.286	0.282	0.283#	5.40
61) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	1.58
62) TP	cis-1,3-Dichloropropene	0.241	0.293	0.316	0.341	0.345	0.345	0.339	0.334	0.319	11.31
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.316	1.311	1.306	1.323	1.314	1.308	1.321	1.339	1.317	0.79
65) TP	Toluene		0.596	0.701	0.712	0.711	0.697	0.702	0.700	0.689	5.96
66) TP	4-Methyl-2-pen		0.096	0.114	0.124	0.124	0.122	0.121	0.120	0.117	8.43
67) TP	Tetrachloroethene		0.219	0.288	0.302	0.312	0.308	0.313	0.307	0.293	11.47
69) TP	trans-1,3-Dichloropropene	0.319	0.359	0.375	0.414	0.420	0.408	0.405	0.402	0.388	8.92
71) TP	Ethyl methacry		0.356	0.363	0.387	0.378	0.367	0.368	0.365	0.369	2.79
72) TP	1,1,2-Trichlor		0.183	0.190	0.204	0.201	0.193	0.192	0.190	0.193#	3.69
73) TP	Chlorodibromom		0.230	0.258	0.281	0.283	0.277	0.281	0.281	0.270	7.23
74) TP	1,3-Dichloropr		0.369	0.398	0.430	0.429	0.412	0.410	0.409	0.408	5.11
75) TP	1,2-Dibromoethane		0.216	0.223	0.237	0.236	0.229	0.228	0.230	0.228	3.24
77) TP	2-Hexanone		0.238	0.227	0.234	0.233	0.225	0.221	0.222	0.229	2.91
78) TP	Chlorobenzene		0.673	0.728	0.767	0.755	0.737	0.742	0.734	0.734	4.10
79) TP	Ethylbenzene		1.142	1.358	1.408	1.393	1.353	1.359	1.329	1.335	6.66
80) TP	1,1,1,2-Tetrac		0.215	0.270	0.287	0.286	0.276	0.276	0.273	0.269	9.12
81) TP	p/m Xylene		0.447	0.521	0.548	0.535	0.510	0.508	0.492	0.509	6.43
82) TP	o Xylene		0.454	0.508	0.533	0.516	0.497	0.495	0.479	0.497	5.16
83) TP	Styrene		0.718	0.838	0.886	0.858	0.817	0.812	0.779	0.816	6.74
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.284	0.320	0.331	0.334	0.334	0.338	0.337	0.325	5.92
87) TP	Isopropylbenzene		1.911	2.394	2.445	2.472	2.475	2.556	2.509	2.395	9.15
88) S	4-Bromofluorobenzene	0.912	0.926	0.900	0.927	0.899	0.923	0.942	0.959	0.924	2.20
89) TP	Bromobenzene		0.539	0.594	0.625	0.612	0.613	0.627	0.622	0.605	5.15

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL21358**
Calibration dates	**: 07/31/24 18:35 07/31/24 22:22**		

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.463	2.827	2.941	2.951	2.948	3.011	2.888	2.861	6.45
91) TP	1,4-Dichlorobu		1.076	1.063	1.068	1.046	1.022	1.031	1.015	1.046	2.29
92) TP	1,1,2,2-Tetrac		0.512	0.521	0.493	0.487	0.485	0.530	0.529	0.508	3.87
93) TP	4-Ethyltoluene		1.935	2.296	2.424	2.400	2.399	2.443	2.350	2.321	7.63
94) TP	2-Chlorotoluene		1.451	1.722	1.764	1.719	1.699	1.724	1.705	1.683	6.21
95) TP	1,3,5-Trimethy		1.733	2.008	2.145	2.110	2.089	2.133	2.036	2.036	7.01
96) TP	1,2,3-Trichlor		0.395	0.420	0.431	0.422	0.414	0.414	0.407	0.415	2.78
97) TP	trans-1,4-Dich		0.185	0.197	0.203	0.201	0.207	0.213	0.219	0.204	5.51
98) TP	4-Chlorotoluene		1.530	1.763	1.829	1.796	1.785	1.839	1.801	1.763	6.02
99) TP	tert-Butylbenzene		1.412	1.689	1.769	1.762	1.779	1.824	1.747	1.712	8.07
102) TP	1,2,4-Trimethy		1.747	1.954	2.131	2.103	2.101	2.135	2.057	2.033	6.91
103) TP	sec-Butylbenzene		2.141	2.500	2.584	2.607	2.644	2.708	2.584	2.538	7.33
104) TP	p-Isopropyltol		1.701	2.077	2.196	2.232	2.258	2.294	2.214	2.139	9.58
105) TP	1,3-Dichlorobe		1.015	1.081	1.169	1.146	1.135	1.148	1.122	1.117	4.72
106) TP	1,4-Dichlorobe		1.009	1.087	1.157	1.145	1.138	1.145	1.131	1.116	4.67
107) TP	p-Diethylbenzene		1.028	1.180	1.302	1.316	1.335	1.335	1.333	1.261	9.25
108) TP	n-Butylbenzene		1.501	1.792	1.868	1.891	1.948	1.955	1.939	1.842	8.74
109) TP	1,2-Dichlorobe		0.978	1.026	1.115	1.108	1.094	1.098	1.099	1.074	4.80
110) TP	1,2,4,5-Tetram		1.737	1.892	2.127	2.116	2.105	2.156	2.192	2.046	8.17
111) TP	1,2-Dibromo-3-		0.049	0.087	0.092	0.094	0.094	0.097	0.102	*L	0.9989
112) TP	1,3,5-Trichlor		0.709	0.775	0.890	0.883	0.879	0.919	0.916	0.853	9.33
113) TP	Hexachlorobuta		0.225	0.275	0.285	0.293	0.293	0.305	0.303	0.283	9.74
114) TP	1,2,4-Trichlor		0.666	0.683	0.789	0.797	0.806	0.839	0.809	0.770	8.71
115) TP	Naphthalene		1.419	1.532	1.695	1.747	1.797	1.858	1.833	1.697	9.67
116) TP	1,2,3-Trichlor		0.578	0.647	0.721	0.728	0.750	0.771	0.757	0.707	9.89

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21400**
Calibration dates	**: 08/16/24 22:06 08/17/24 01:44**		

Calibration Files

L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D

L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.175	0.208	0.229	0.252	0.258	0.244	0.250	0.231	13.07
3)	TP	Chloromethane		0.248	0.240	0.243	0.258	0.264	0.245	0.247	0.249	3.46
4)	TP	Vinyl chloride	0.219	0.171	0.203	0.221	0.243	0.250	0.237	0.245	0.224	11.84
5)	TP	Bromomethane		0.142	0.122	0.122	0.136	0.143	0.135	0.139	0.134	6.42
6)	TP	Chloroethane		0.127	0.131	0.139	0.150	0.156	0.145	0.149	0.143	7.51
7)	TP	Trichlorofluor		0.183	0.221	0.242	0.267	0.285	0.271	0.294	0.252	15.60
8)	TP	Ethyl ether		0.058	0.062	0.066	0.073	0.083	0.080	0.086	0.073	15.01
10)	TP	1,1-Dichloroet		0.122	0.139	0.149	0.164	0.169	0.161	0.175	0.154	12.15
11)	TP	Carbon disulfide		0.400	0.428	0.448	0.496	0.528	0.511	0.561	0.482	12.03
12)	TP	Freon-113			0.112	0.132	0.160	0.170	0.159	0.165	0.150	15.19
13)	TP	Iodomethane		0.323	0.230	0.226	0.255	0.280	0.268	0.291	0.268	12.85
14)	TP	Acrolein		0.022	0.020	0.018	0.019	0.020	0.021	0.023	0.020	8.76
15)	TP	Methylene chlo		0.201	0.193	0.195	0.211	0.221	0.207	0.216	0.206	5.17
17)	TP	Acetone			0.027	0.023	0.023	0.025	0.024	0.027	0.025	7.12
18)	TP	trans-1,2-Dich		0.121	0.139	0.154	0.171	0.178	0.167	0.181	0.159	13.95
19)	TP	Methyl acetate		0.061	0.054	0.054	0.053	0.058	0.057	0.063	0.057	6.42
21)	TP	Methyl tert butyl ether		0.296	0.305	0.299	0.302	0.347	0.350	0.395	0.328	11.40
22)	TP	tert-Butyl alc		0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006#	12.64
24)	TP	Diisopropyl ether		0.354	0.373	0.416	0.448	0.441	0.394	0.395	0.403	8.55
25)	TP	1,1-Dichloroet		0.250	0.275	0.290	0.315	0.325	0.303	0.335	0.299#	10.05
26)	TP	Halothane			0.083	0.095	0.118	0.139	0.131	0.135	0.117	19.77
27)	TP	Acrylonitrile		0.028	0.034	0.034	0.036	0.039	0.039	0.044	0.036	13.69
28)	TP	Ethyl tert-but		0.349	0.355	0.388	0.409	0.405	0.374	0.394	0.382	6.13
29)	TP	Vinyl acetate		0.263	0.226	0.220	0.238	0.259	0.257	0.277	0.249	8.45
30)	TP	cis-1,2-Dichlo		0.160	0.167	0.175	0.198	0.206	0.192	0.205	0.186#	9.97
31)	TP	2,2-Dichloropr		0.180	0.184	0.209	0.248	0.269	0.254	0.260	0.229	16.33
33)	TP	Bromochloromet		0.075	0.079	0.083	0.091	0.097	0.092	0.102	0.089#	10.87
34)	TP	Cyclohexane		0.172	0.199	0.216	0.252	0.285	0.273	0.285	0.240	18.73
35)	TP	Chloroform		0.242	0.263	0.276	0.315	0.325	0.302	0.315	0.291#	10.79
36)	TP	Ethyl acetate		0.086	0.086	0.077	0.074	0.079	0.077	0.084	0.081	6.10
37)	TP	Carbon tetrachloride		0.125	0.146	0.166	0.201	0.238	0.230		*Q	0.9971
38)	TP	Tetrahydrofuran		0.033	0.028	0.023	0.023	0.025	0.025	0.028	0.027	13.60
39)	S	Dibromofluoromethane	0.240	0.240	0.240	0.246	0.258	0.277	0.287	0.303	0.261	9.46
40)	TP	1,1,1-Trichlor		0.158	0.186	0.207	0.244	0.277	0.261	0.275	*Q	0.9985
42)	TP	2-Butanone		0.050	0.040	0.035	0.033	0.034	0.034	0.037	0.038	15.52

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21400**
Calibration dates	**: 08/16/24 22:06 08/17/24 01:44**		

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.151	0.177	0.188	0.203	0.224	0.215	0.231	0.198	14.22
45) TP	Benzene	0.695	0.575	0.607	0.626	0.648	0.648	0.599	0.632	0.629	5.82
46) TP	Tertiary-Amyl Methyl Ether		0.323	0.342	0.358	0.379	0.377	0.346	0.348	0.353	5.64
47) S	1,2-Dichloroethane-d4	0.222	0.225	0.229	0.242	0.242	0.265	0.280	0.292	0.250	10.67
48) TP	1,2-Dichloroet		0.152	0.158	0.170	0.187	0.203	0.193	0.203	0.181	11.54
51) TP	Methyl cyclohe		0.184	0.222	0.244	0.276	0.283	0.262	0.269	0.249	14.17
52) TP	Trichloroethene	0.179	0.152	0.155	0.162	0.170	0.178	0.166	0.180	0.168#	6.47
54) TP	Dibromomethane		0.069	0.078	0.082	0.087	0.095	0.092	0.101	0.086	12.50
55) TP	1,2-Dichloropr		0.118	0.136	0.140	0.148	0.163	0.155	0.168	0.147#	11.73
57) TP	2-Chloroethyl		0.073	0.081	0.090	0.095	0.093	0.088	0.086	0.087	8.84
58) TP	Bromodichlorom		0.170	0.166	0.176	0.197	0.232	0.225	0.242	0.201#	15.90
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.61
62) TP	cis-1,3-Dichloropropene		0.179	0.199	0.217	0.233	0.255	0.244	0.265	0.227#	13.57
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.335	1.348	1.330	1.333	1.296	1.261	1.219	1.192	1.289	4.57
65) TP	Toluene		0.486	0.531	0.557	0.573	0.536	0.471	0.474	0.518	7.94
66) TP	4-Methyl-2-pen			0.038	0.045	0.046	0.045	0.041	0.042	0.043	6.82
67) TP	Tetrachloroethene		0.184	0.213	0.221	0.227	0.212	0.189	0.193	0.206	8.13
69) TP	trans-1,3-Dichloropropene		0.202	0.215	0.235	0.241	0.240	0.222	0.241	0.228#	6.64
71) TP	Ethyl methacry		0.155	0.186	0.211	0.219	0.213	0.196	0.198	0.197	10.98
72) TP	1,1,2-Trichlor		0.119	0.120	0.123	0.118	0.113	0.105	0.114	0.116#	5.26
73) TP	Chlorodibromom		0.150	0.151	0.156	0.160	0.164	0.157	0.177	0.159#	5.70
74) TP	1,3-Dichloropr		0.230	0.250	0.253	0.242	0.233	0.217	0.235	0.237	5.24
75) TP	1,2-Dibromoethane		0.125	0.122	0.117	0.110	0.111	0.106	0.122	0.116#	6.37
77) TP	2-Hexanone		0.061	0.069	0.070	0.075	0.073	0.069	0.070	0.070	6.47
78) T	Chlorobenzene		0.545	0.570	0.600	0.623	0.601	0.535	0.554	0.575	5.79
79) TP	Ethylbenzene		0.851	0.930	1.007	1.069	1.041	0.941	0.977	0.974	7.60
80) T	1,1,1,2-Tetrac		0.150	0.159	0.166	0.177	0.174	0.157	0.171	0.165	6.04
81) TP	p/m Xylene		0.348	0.377	0.399	0.419	0.410	0.372	0.392	0.388	6.29
82) TP	o Xylene		0.346	0.363	0.381	0.400	0.391	0.358	0.380	0.374	5.14
83) TP	Styrene		0.547	0.597	0.639	0.672	0.659	0.593	0.612	0.617	6.99
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.158	0.173	0.179	0.184	0.175	0.161	0.171	0.172	5.40
87) TP	Isopropylbenzene		1.447	1.665	1.821	1.897	1.731	1.545	1.587	1.670	9.47
88) S	4-Bromofluorobenzene	0.890	0.885	0.888	0.899	0.892	0.856	0.849	0.855	0.877	2.25
89) TP	Bromobenzene		0.401	0.431	0.466	0.485	0.451	0.404	0.420	0.437	7.29

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL21400**
Calibration dates	**: 08/16/24 22:06 08/17/24 01:44**		

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		1.767	2.008	2.199	2.259	2.092	1.873	1.867	2.009	9.16
91) TP	1,4-Dichlorobu		0.447	0.444	0.473	0.455	0.407	0.371	0.382	0.425	9.17
92) TP	1,1,2,2-Tetrac		0.284	0.289	0.318	0.322	0.303	0.283	0.294	0.299	5.28
93) TP	4-Ethyltoluene		1.447	1.657	1.819	1.897	1.779	1.601	1.619	1.688	9.07
94) TP	2-Chlorotoluene		1.163	1.266	1.339	1.404	1.286	1.123	1.152	1.248	8.43
95) TP	1,3,5-Trimethy		1.267	1.420	1.576	1.694	1.622	1.452	1.446	1.496	9.60
96) TP	1,2,3-Trichlor		0.260	0.252	0.273	0.255	0.224	0.206	0.219	0.241	10.23
97) TP	trans-1,4-Dich		0.064	0.075	0.076	0.070	0.069	0.067	0.075	0.071	6.44
98) TP	4-Chlorotoluene		1.210	1.323	1.389	1.450	1.351	1.206	1.234	1.309	7.24
99) TP	tert-Butylbenzene		1.099	1.241	1.324	1.365	1.249	1.129	1.151	1.223	8.24
102) TP	1,2,4-Trimethy		1.151	1.328	1.508	1.637	1.607	1.446	1.442	1.446	11.56
103) TP	sec-Butylbenzene		1.490	1.761	1.934	1.980	1.824	1.657	1.643	1.756	9.87
104) TP	p-Isopropyltol		1.273	1.476	1.643	1.718	1.648	1.492	1.474	1.532	9.82
105) TP	1,3-Dichlorobe		0.811	0.843	0.896	0.934	0.890	0.805	0.829	0.858	5.70
106) TP	1,4-Dichlorobe		0.803	0.862	0.907	0.938	0.902	0.816	0.833	0.866	5.90
107) TP	p-Diethylbenzene		0.721	0.800	0.912	0.982	0.995	0.909	0.929	0.893	11.05
108) TP	n-Butylbenzene		1.002	1.185	1.331	1.433	1.417	1.283	1.265	1.274	11.60
109) TP	1,2-Dichlorobe		0.764	0.808	0.849	0.878	0.837	0.767	0.784	0.813	5.40
110) TP	1,2,4,5-Tetram		1.125	1.232	1.349	1.497	1.534	1.392	1.403	1.362	10.54
111) TP	1,2-Dibromo-3-		0.032	0.045	0.046	0.042	0.043	0.042	0.045	0.042	11.31
112) TP	1,3,5-Trichlor		0.500	0.550	0.602	0.660	0.671	0.605	0.627	0.602	10.04
113) TP	Hexachlorobuta		0.172	0.193	0.210	0.228	0.229	0.206	0.208	0.207	9.58
114) TP	1,2,4-Trichlor		0.465	0.521	0.556	0.594	0.588	0.532	0.553	0.544	8.10
115) TP	Naphthalene		1.090	1.159	1.225	1.216	1.148	1.067	1.087	1.142	5.54
116) TP	1,2,3-Trichlor		0.470	0.497	0.538	0.553	0.533	0.484	0.499	0.510	6.05

Response Factor Report Elaine

Method Path : K:\Elaine\2024\240731N-ICAL\
Method File : Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.138	0.246	0.220	0.243	0.243	0.244	0.235	0.224	17.36
3)	TP	Chloromethane		0.199	0.251	0.263	0.261	0.259	0.260	0.256	0.250	9.09
4)	TP	Vinyl chloride	0.163	0.159	0.248	0.243	0.263	0.260	0.265	0.260	0.233	19.30
5)	TP	Bromomethane		0.043	0.054	0.058	0.067	0.084	0.095	0.102	*Q	0.9983
6)	TP	Chloroethane		0.109	0.166	0.154	0.151	0.153	0.144	0.107	0.140	16.43
7)	TP	Trichlorofluor...		0.189	0.262	0.254	0.291	0.294	0.295	0.287	0.267	14.21
8)	TP	Ethyl ether		0.098	0.094	0.106	0.111	0.111	0.108	0.108	0.105	6.41
10)	TP	1,1-Dichloroet...		0.128	0.165	0.154	0.168	0.170	0.170	0.165	0.160	9.41
11)	TP	Carbon disulfide		0.423	0.489	0.504	0.523	0.517	0.512	0.493	0.494	6.86
12)	TP	Freon-113		0.120	0.172	0.163	0.178	0.178	0.183	0.175	0.167	13.06
13)	TP	Iodomethane			0.056	0.087	0.130	0.163	0.172	0.180	*Q	0.9978
14)	TP	Acrolein		0.042	0.047	0.044	0.045	0.045	0.046	0.048	0.045	4.40
15)	TP	Methylene chlo...		0.219	0.207	0.204	0.201	0.197	0.195	0.191	0.202	4.65
17)	TP	Acetone			0.094	0.071	0.077	0.071	0.065	0.063	0.073	15.12
18)	TP	trans-1,2-Dich...		0.134	0.173	0.177	0.180	0.183	0.181	0.176	0.172	9.89
19)	TP	Methyl acetate		0.231	0.183	0.165	0.161	0.156	0.153	0.149	0.171	16.75
21)	TP	Methyl tert-bu...		0.595	0.630	0.676	0.661	0.657	0.646	0.629	0.642	4.16
22)	TP	tert-Butyl alc...		0.021	0.023	0.024	0.024	0.023	0.023	0.023	0.023	4.09
24)	TP	Diisopropyl ether		0.797	0.878	0.965	0.985	0.960	0.936	0.916	0.920	7.03
25)	TP	1,1-Dichloroet...		0.339	0.407	0.424	0.424	0.420	0.409	0.405	0.404	7.39
26)	TP	Halothane		0.117	0.137	0.142	0.147	0.145	0.143	0.141	0.139	7.40
27)	TP	Acrylonitrile		0.076	0.081	0.088	0.089	0.087	0.086	0.084	0.084	5.26
28)	TP	Ethyl tert-but...		0.694	0.779	0.838	0.837	0.826	0.811	0.800	0.798	6.32
29)	TP	Vinyl acetate		0.679	0.649	0.556	0.550	0.513	0.670	0.667	0.612	11.34
30)	TP	cis-1,2-Dichlo...		0.183	0.211	0.211	0.208	0.214	0.211	0.205	0.206	5.19
31)	TP	2,2-Dichloropr...		0.240	0.279	0.270	0.284	0.278	0.279	0.263	0.270	5.58
33)	TP	Bromochloromet...		0.089	0.091	0.096	0.096	0.091	0.086	0.085	0.091#	4.89
34)	TP	Cyclohexane		0.384	0.496	0.452	0.498	0.498	0.499	0.484	0.473	8.98
35)	TP	Chloroform		0.303	0.352	0.346	0.336	0.339	0.333	0.335	0.335	4.66
36)	TP	Ethyl acetate		0.314	0.226	0.262	0.255	0.249	0.243	0.242	0.256	11.00

Method Path : K:\Elaine\2024\240731N-ICAL\
Method File : Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.229	0.188	0.270	0.260	0.275	0.275	0.279	0.271	0.256	12.38
38)	TP	Tetrahydrofuran		0.087	0.083	0.081	0.080	0.078	0.074	0.073	0.079	5.85
39)	S	Dibromofluorom...	0.242	0.242	0.240	0.238	0.232	0.231	0.224	0.223	0.234	3.26
40)	TP	1,1,1-Trichlor...		0.265	0.301	0.310	0.316	0.315	0.315	0.308	0.304	5.96
42)	TP	2-Butanone			0.118	0.104	0.105	0.104	0.100	0.099	0.105	6.40
43)	TP	1,1-Dichloropr...		0.193	0.259	0.260	0.270	0.271	0.271	0.268	0.256	11.09
45)	TP	Benzene	0.719	0.654	0.814	0.838	0.839	0.835	0.825	0.813	0.792	8.59
46)	TP	tert-Amyl meth...		0.549	0.579	0.619	0.622	0.611	0.607	0.598	0.598	4.33
47)	S	1,2-Dichloroet...	0.326	0.322	0.322	0.316	0.305	0.309	0.298	0.302	0.312	3.33
48)	T	1,2-Dichloroet...		0.295	0.300	0.320	0.314	0.310	0.303	0.299	0.306	2.93
51)	TP	Methyl cyclohe...		0.281	0.360	0.333	0.364	0.386	0.390	0.377	0.356	10.67
52)	TP	Trichloroethene	0.193	0.161	0.200	0.210	0.217	0.216	0.201	0.195	0.199#	8.96
54)	TP	Dibromomethane		0.096	0.116	0.120	0.119	0.118	0.116	0.117	0.115	7.18
55)	TP	1,2-Dichloropr...		0.215	0.233	0.249	0.248	0.246	0.242	0.239	0.239	5.05
57)	TP	2-Chloroethyl ...		0.127	0.145	0.157	0.163	0.167	0.160	0.158	0.154	8.95
58)	TP	Bromodichlorom...		0.250	0.293	0.294	0.289	0.290	0.286	0.282	0.283#	5.40
61)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	1.58
62)	TP	cis-1,3-Dichlo...	0.241	0.293	0.316	0.341	0.345	0.345	0.339	0.334	0.319	11.31
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.316	1.311	1.306	1.323	1.314	1.308	1.321	1.339	1.317	0.79
65)	TP	Toluene		0.596	0.701	0.712	0.711	0.697	0.702	0.700	0.689	5.96
66)	TP	4-Methyl-2-pen...		0.096	0.114	0.124	0.124	0.122	0.121	0.120	0.117	8.43
67)	TP	Tetrachloroethene		0.219	0.288	0.302	0.312	0.308	0.313	0.307	0.293	11.47
69)	TP	trans-1,3-Dich...	0.319	0.359	0.375	0.414	0.420	0.408	0.405	0.402	0.388	8.92
71)	TP	Ethyl methacry...		0.356	0.363	0.387	0.378	0.367	0.368	0.365	0.369	2.79
72)	TP	1,1,2-Trichlor...		0.183	0.190	0.204	0.201	0.193	0.192	0.190	0.193#	3.69
73)	TP	Chlorodibromom...		0.230	0.258	0.281	0.283	0.277	0.281	0.281	0.270	7.23
74)	TP	1,3-Dichloropr...		0.369	0.398	0.430	0.429	0.412	0.410	0.409	0.408	5.11
75)	TP	1,2-Dibromoethane		0.216	0.223	0.237	0.236	0.229	0.228	0.230	0.228	3.24
77)	TP	2-Hexanone		0.238	0.227	0.234	0.233	0.225	0.221	0.222	0.229	2.91
78)	TP	Chlorobenzene		0.673	0.728	0.767	0.755	0.737	0.742	0.734	0.734	4.10

Method Path : K:\Elaine\2024\240731N-ICAL\
Method File : Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.142	1.358	1.408	1.393	1.353	1.359	1.329	1.335	6.66
80)	TP	1,1,1,2-Tetrac...		0.215	0.270	0.287	0.286	0.276	0.276	0.273	0.269	9.12
81)	TP	p/m Xylene		0.447	0.521	0.548	0.535	0.510	0.508	0.492	0.509	6.43
82)	TP	o Xylene		0.454	0.508	0.533	0.516	0.497	0.495	0.479	0.497	5.16
83)	TP	Styrene		0.718	0.838	0.886	0.858	0.817	0.812	0.779	0.816	6.74
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.284	0.320	0.331	0.334	0.334	0.338	0.337	0.325	5.92
87)	TP	Isopropylbenzene		1.911	2.394	2.445	2.472	2.475	2.556	2.509	2.395	9.15
88)	S	4-Bromofluorob...	0.912	0.926	0.900	0.927	0.899	0.923	0.942	0.959	0.924	2.20
89)	TP	Bromobenzene		0.539	0.594	0.625	0.612	0.613	0.627	0.622	0.605	5.15
90)	TP	n-Propylbenzene		2.463	2.827	2.941	2.951	2.948	3.011	2.888	2.861	6.45
91)	TP	1,4-Dichlorobu...		1.076	1.063	1.068	1.046	1.022	1.031	1.015	1.046	2.29
92)	TP	1,1,2,2-Tetrac...		0.512	0.521	0.493	0.487	0.485	0.530	0.529	0.508	3.87
93)	TP	4-Ethyltoluene		1.935	2.296	2.424	2.400	2.399	2.443	2.350	2.321	7.63
94)	TP	2-Chlorotoluene		1.451	1.722	1.764	1.719	1.699	1.724	1.705	1.683	6.21
95)	TP	1,3,5-Trimethy...		1.733	2.008	2.145	2.110	2.089	2.133	2.036	2.036	7.01
96)	TP	1,2,3-Trichlor...		0.395	0.420	0.431	0.422	0.414	0.414	0.407	0.415	2.78
97)	TP	trans-1,4-Dich...		0.185	0.197	0.203	0.201	0.207	0.213	0.219	0.204	5.51
98)	TP	4-Chlorotoluene		1.530	1.763	1.829	1.796	1.785	1.839	1.801	1.763	6.02
99)	TP	tert-Butylbenzene		1.412	1.689	1.769	1.762	1.779	1.824	1.747	1.712	8.07
102)	TP	1,2,4-Trimethy...		1.747	1.954	2.131	2.103	2.101	2.135	2.057	2.033	6.91
103)	TP	sec-Butylbenzene		2.141	2.500	2.584	2.607	2.644	2.708	2.584	2.538	7.33
104)	TP	p-Isopropyltol...		1.701	2.077	2.196	2.232	2.258	2.294	2.214	2.139	9.58
105)	TP	1,3-Dichlorobe...		1.015	1.081	1.169	1.146	1.135	1.148	1.122	1.117	4.72
106)	TP	1,4-Dichlorobe...		1.009	1.087	1.157	1.145	1.138	1.145	1.131	1.116	4.67
107)	TP	p-Diethylbenzene		1.028	1.180	1.302	1.316	1.335	1.335	1.333	1.261	9.25
108)	TP	n-Butylbenzene		1.501	1.792	1.868	1.891	1.948	1.955	1.939	1.842	8.74
109)	TP	1,2-Dichlorobe...		0.978	1.026	1.115	1.108	1.094	1.098	1.099	1.074	4.80
110)	TP	1,2,4,5-Tetram...		1.737	1.892	2.127	2.116	2.105	2.156	2.192	2.046	8.17
111)	TP	1,2-Dibromo-3-...		0.049	0.087	0.092	0.094	0.094	0.097	0.102	*L	0.9989
112)	TP	1,3,5-Trichlor...		0.709	0.775	0.890	0.883	0.879	0.919	0.916	0.853	9.33

Method Path : K:\Elaine\2024\240731N-ICAL\
Method File : Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024
Response Via : Initial Calibration

Calibration Files
L11 =VE240731N03.D L1 =VE240731N05.D L2 =VE240731N07.D L3 =VE240731N08.D L4 =VE240731N09.D
L6 =VE240731N10.D L8 =VE240731N11.D L10 =VE240731N12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.225	0.275	0.285	0.293	0.293	0.305	0.303	0.283		9.74
114)	TP 1,2,4-Trichlor...	0.666	0.683	0.789	0.797	0.806	0.839	0.809	0.770		8.71
115)	TP Naphthalene	1.419	1.532	1.695	1.747	1.797	1.858	1.833	1.697		9.67
116)	TP 1,2,3-Trichlor...	0.578	0.647	0.721	0.728	0.750	0.771	0.757	0.707		9.89

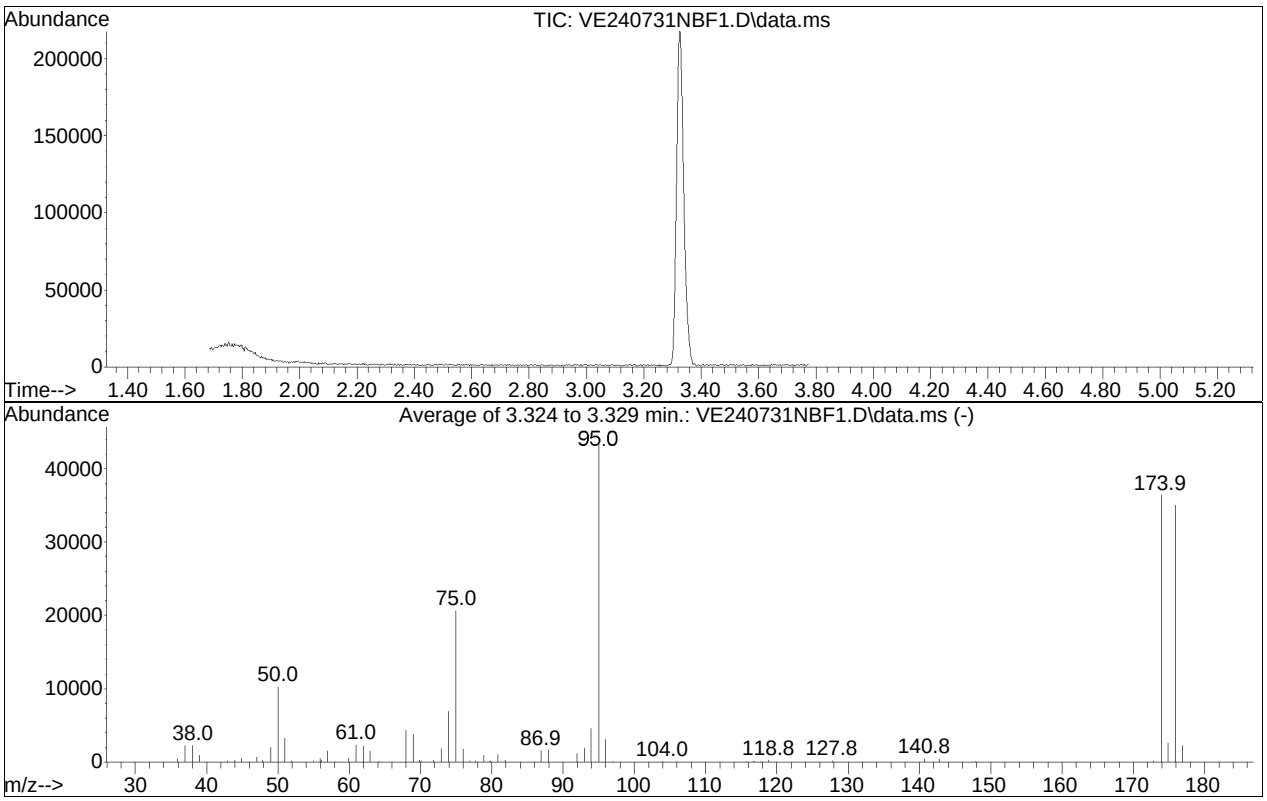
(#) = Out of Range

BFB

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731NBF1.D
Acq On : 31 Jul 2024 5:25 pm
Operator : ELAINE:MAG
Sample : WG1954249-1
Misc : WG1954249
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024



AutoFind: Scans 588, 589, 590; Background Corrected with Scan 574

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	10291	PASS
75	95	30	60	47.5	20672	PASS
95	95	100	100	100.0	43531	PASS
96	95	5	9	7.0	3063	PASS
173	174	0.00	2	0.6	217	PASS
174	95	50	100	83.7	36424	PASS
175	174	5	9	7.1	2596	PASS
176	174	95	101	96.2	35043	PASS
177	176	5	9	6.5	2267	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N03.D
Acq On : 31 Jul 2024 6:35 pm
Operator : ELAINE:MKS
Sample : I8260STD0.19PPB
Misc : WG1954249
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 01 11:59:43 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.967	96	205517	10.000 ug/L	0.00
Standard Area 1 = 204581			Recovery = 100.46%		
63) Chlorobenzene-d5	9.497	117	152868	10.000 ug/L	0.00
Standard Area 1 = 147756			Recovery = 103.46%		
84) 1,4-Dichlorobenzene-d4	12.208	152	86858	10.000 ug/L	0.00
Standard Area 1 = 84505			Recovery = 102.78%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.158	113	49774	10.178 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.78%		
47) 1,2-Dichloroethane-d4	5.680	65	66950	10.310 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.10%		
64) Toluene-d8	7.657	98	201231	9.951 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.51%		
88) 4-Bromofluorobenzene	10.995	95	79257	9.840 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%		
Target Compounds					Qvalue
4) Vinyl chloride	1.854	62	637	0.127 ug/L #	12
37) Carbon tetrachloride	5.122	117	895M1	0.167 ug/L	
45) Benzene	5.549	78	2809	0.163 ug/L #	76
52) Trichloroethene	6.156	95	755M1	0.175 ug/L	
62) cis-1,3-Dichloropropene	7.453	75	943	0.135 ug/L #	55
69) trans-1,3-Dichloropropene	8.203	75	927M1	0.146 ug/L	

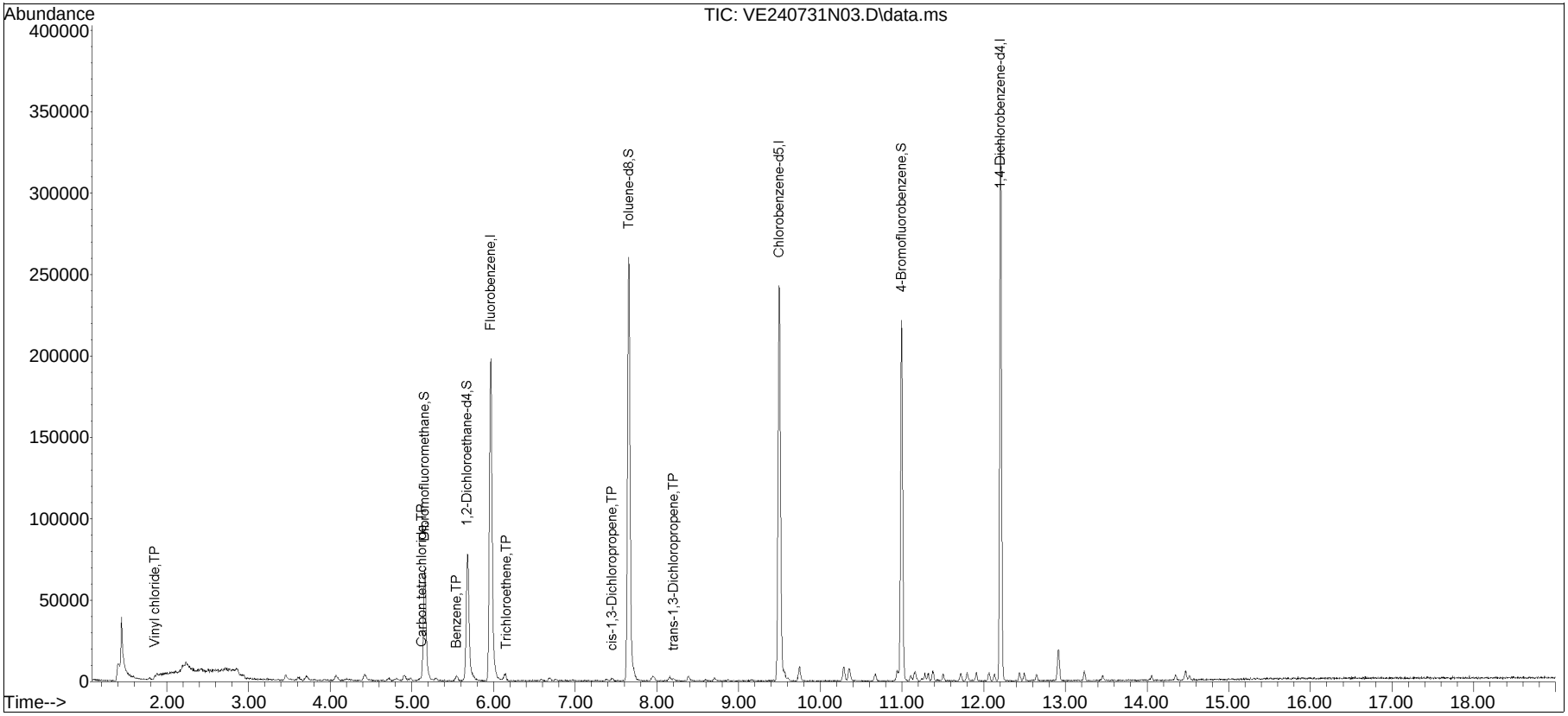
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N03.D
Acq On : 31 Jul 2024 6:35 pm
Operator : ELAINE:MKS
Sample : I8260STD0.19PPB
Misc : WG1954249
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 01 11:59:43 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

Sub List : 8260-L11_MCP - L11 MCP731N-ICAL\VE240731N08.D•

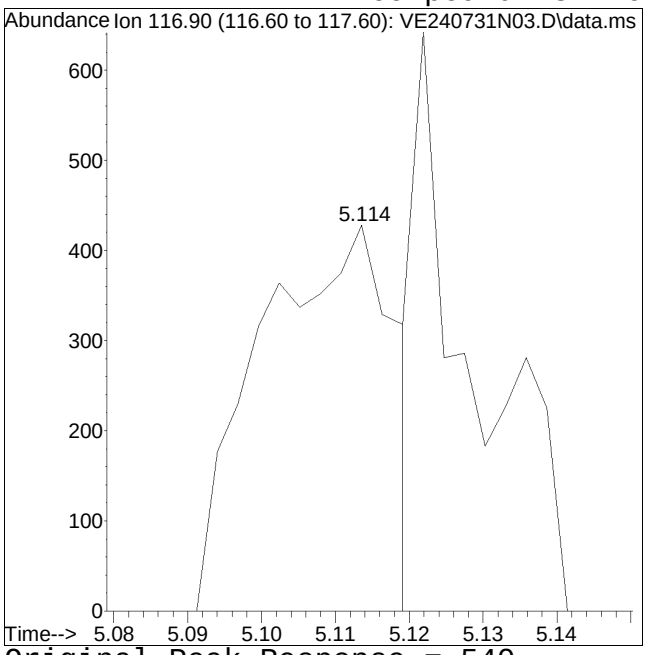


Manual Integration Report

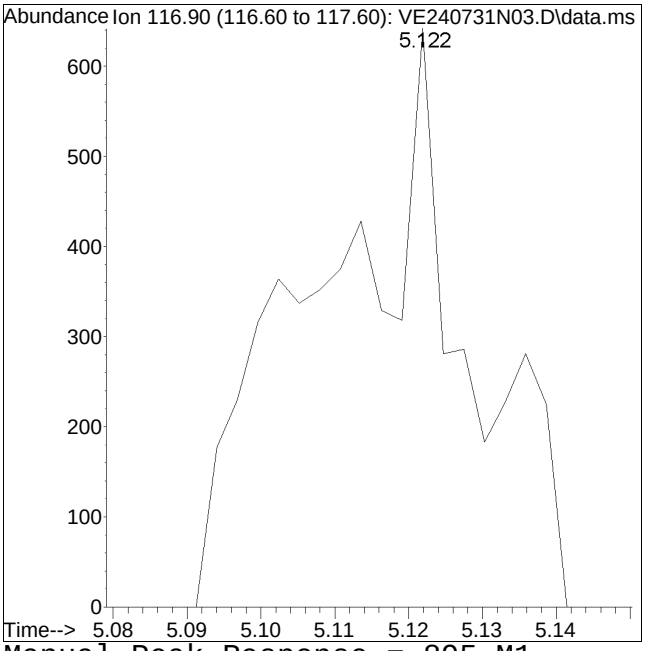
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N03.D
Date Inj'd : 7/31/2024 6:35 pm
Sample : I8260STD0.19PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #37: Carbon tetrachloride



Original Peak Response = 540



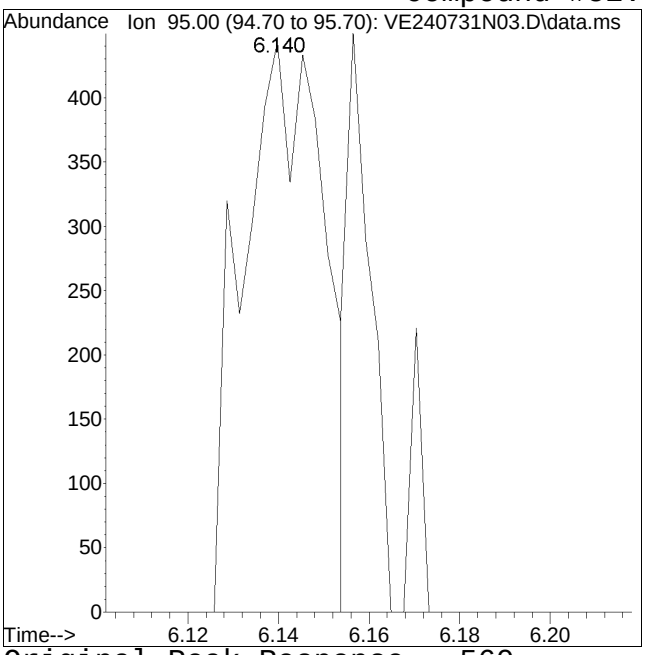
Manual Peak Response = 895 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

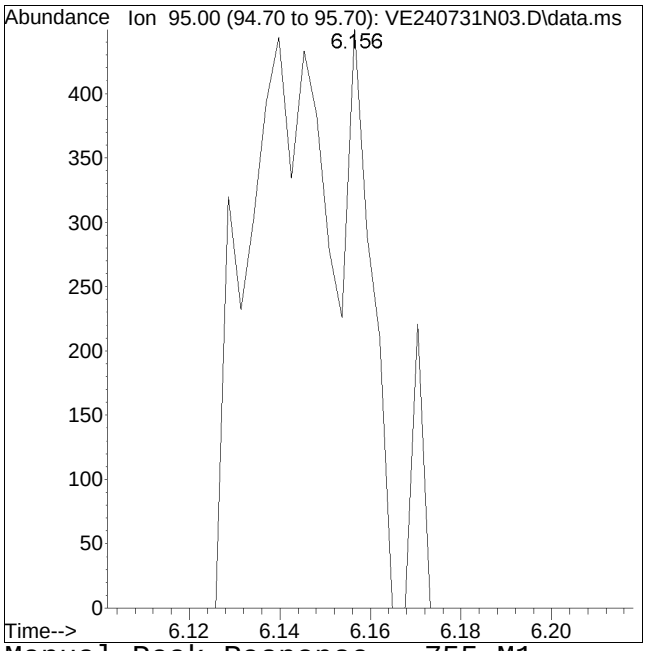
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N03.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 6:35 pm Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 8/1/2024 11:57 am

Compound #52: Trichloroethene



Original Peak Response = 560



Manual Peak Response = 755 M1

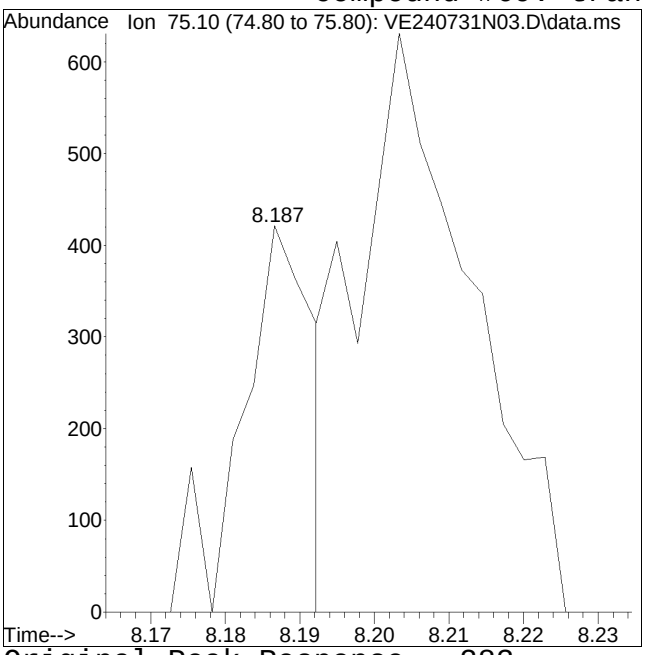
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

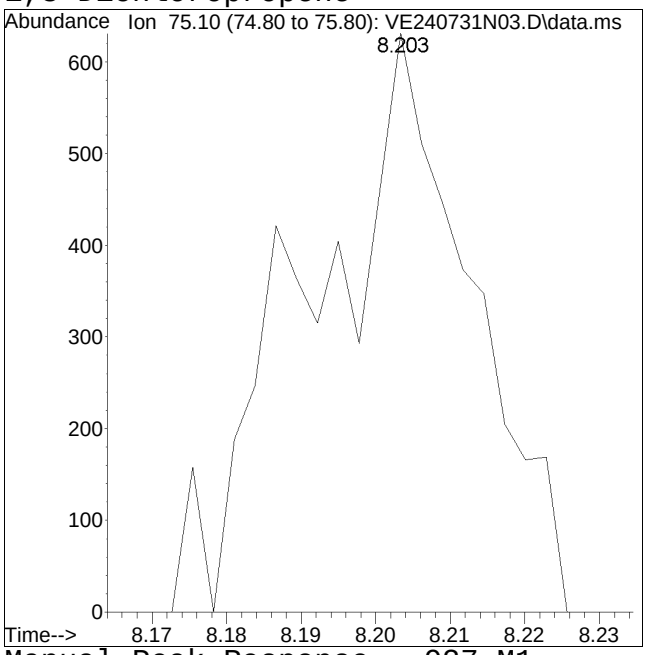
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N03.D
Date Inj'd : 7/31/2024 6:35 pm
Sample : I8260STD0.19PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #69: trans-1,3-Dichloropropene



Original Peak Response = 283



Manual Peak Response = 927 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N05.D
Acq On : 31 Jul 2024 7:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1954249
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 12:03:30 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.964	96	205652	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 100.52%			
63) Chlorobenzene-d5	9.497	117	152599	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 103.28%			
84) 1,4-Dichlorobenzene-d4	12.205	152	86607	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 102.49%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.158	113	49722	10.161	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.61%			
47) 1,2-Dichloroethane-d4	5.680	65	66192	10.187	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.87%			
64) Toluene-d8	7.651	98	200132	9.914	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
88) 4-Bromofluorobenzene	10.995	95	80217	9.988	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	1422	0.314	ug/L	88
3) Chloromethane	1.790	50	2046	0.379	ug/L	89
4) Vinyl chloride	1.857	62	1632	0.326	ug/L	73
5) Bromomethane	2.161	94	446	0.371	ug/L	81
6) Chloroethane	2.272	64	1120M4	0.355	ug/L	
7) Trichlorofluoromethane	2.420	101	1947	0.372	ug/L #	69
8) Ethyl ether	2.716	74	1005M1	0.461	ug/L	
10) 1,1-Dichloroethene	2.900	96	1318	0.415	ug/L #	79
11) Carbon disulfide	2.933	76	4345	0.420	ug/L #	83
12) Freon-113	2.939	101	1230M1	0.367	ug/L	
13) Iodomethane	0.000		0	N.D.	d	
14) Acrolein	3.229	56	430M1	0.473	ug/L	
15) Methylene chloride	3.463	84	2255	0.538	ug/L	95
17) Acetone	3.499	43	1696M1	1.168	ug/L	
18) trans-1,2-Dichloroethene	3.611	96	1381	0.380	ug/L	78
19) Methyl acetate	3.622	43	2374M1	0.700	ug/L	
21) Methyl tert-butyl ether	3.714	73	6120M1	0.440	ug/L	
22) tert-Butyl alcohol	3.792	59	1084M1	2.240	ug/L	
24) Diisopropyl ether	4.079	45	8193	0.413	ug/L #	75
25) 1,1-Dichloroethane	4.196	63	3485	0.399	ug/L	82
26) Halothane	4.258	117	1199M1	0.411	ug/L	

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N05.D
Acq On : 31 Jul 2024 7:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1954249
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 12:03:30 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.230	53	782M1	0.433	ug/L		
28) Ethyl tert-butyl ether	4.422	59	7137	0.414	ug/L	#	76
29) Vinyl acetate	4.431	43	6978M1	0.610	ug/L		
30) cis-1,2-Dichloroethene	4.709	96	1882M1	0.433	ug/L		
31) 2,2-Dichloropropane	4.818	77	2468	0.444	ug/L	#	31
33) Bromochloromethane	4.907	128	912M1	0.463	ug/L		
34) Cyclohexane	4.913	56	3953	0.426	ug/L	#	23
35) Chloroform	4.980	83	3115	0.438	ug/L	#	88
36) Ethyl acetate	5.097	43	3232M1	0.601	ug/L		
37) Carbon tetrachloride	5.117	117	1932	0.361	ug/L	#	25
38) Tetrahydrofuran	5.144	42	890M1	0.535	ug/L		
40) 1,1,1-Trichloroethane	5.178	97	2722M1	0.427	ug/L		
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	5.301	75	1981	0.370	ug/L	#	73
45) Benzene	5.552	78	6728	0.390	ug/L	#	79
46) tert-Amyl methyl ether	5.663	73	5646M1	0.444	ug/L		
48) 1,2-Dichloroethane	5.752	62	3030	0.461	ug/L	#	59
51) Methyl cyclohexane	6.134	83	2892	0.422	ug/L	#	61
52) Trichloroethene	6.148	95	1655M1	0.383	ug/L		
54) Dibromomethane	6.583	93	990M1	0.402	ug/L		
55) 1,2-Dichloropropane	6.684	63	2209M1	0.431	ug/L		
57) 2-Chloroethyl vinyl ether	7.381	63	1303M1	0.404	ug/L		
58) Bromodichloromethane	6.756	83	2570	0.424	ug/L	#	77
61) 1,4-Dioxane	6.971	88	3965M1	99.134	ug/L		
62) cis-1,3-Dichloropropene	7.448	75	3009	0.430	ug/L	#	84
65) Toluene	7.718	92	4550	0.419	ug/L		94
66) 4-Methyl-2-pentanone	8.148	58	735M1	0.388	ug/L		
67) Tetrachloroethene	8.151	166	1670	0.362	ug/L	#	47
69) trans-1,3-Dichloropropene	8.201	75	2736	0.433	ug/L	#	86
71) Ethyl methacrylate	8.382	69	2714	0.460	ug/L	#	32
72) 1,1,2-Trichloroethane	8.382	83	1399M1	0.449	ug/L		
73) Chlorodibromomethane	8.594	129	1758M1	0.409	ug/L		
74) 1,3-Dichloropropane	8.705	76	2813	0.428	ug/L		95
75) 1,2-Dibromoethane	8.864	107	1649	0.455	ug/L	#	59
77) 2-Hexanone	9.157	43	1819	0.509	ug/L	#	40
78) Chlorobenzene	9.517	112	5132	0.438	ug/L	#	61
79) Ethylbenzene	9.559	91	8713	0.405	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.609	131	1642	0.375	ug/L	#	44
81) p/m Xylene	9.746	106	6826	0.817	ug/L		100
82) o Xylene	10.289	106	6928M1	0.852	ug/L		

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N05.D
Acq On : 31 Jul 2024 7:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1954249
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 12:03:30 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.354	104	10959	0.810	ug/L		96
85) Bromoform	10.381	173	1229M1	0.429	ug/L		
87) Isopropylbenzene	10.669	105	8275	0.391	ug/L		94
89) Bromobenzene	11.104	156	2333	0.431	ug/L		96
90) n-Propylbenzene	11.154	91	10667	0.419	ug/L		99
91) 1,4-Dichlorobutane	11.168	55	4660	0.504	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.238	83	2216M1	0.519	ug/L		
93) 4-Ethyltoluene	11.282	105	8381	0.399	ug/L		99
94) 2-Chlorotoluene	11.324	91	6283	0.411	ug/L		100
95) 1,3,5-Trimethylbenzene	11.377	105	7504	0.404	ug/L		100
96) 1,2,3-Trichloropropane	11.377	75	1709	0.458	ug/L		98
97) trans-1,4-Dichloro-2-b...	11.430	53	800M1	0.454	ug/L		
98) 4-Chlorotoluene	11.505	91	6625	0.418	ug/L		99
99) tert-Butylbenzene	11.717	119	6113	0.399	ug/L		94
102) 1,2,4-Trimethylbenzene	11.798	105	7563	0.410	ug/L		99
103) sec-Butylbenzene	11.910	105	9273	0.414	ug/L		100
104) p-Isopropyltoluene	12.066	119	7364	0.387	ug/L		96
105) 1,3-Dichlorobenzene	12.127	146	4394	0.434	ug/L		93
106) 1,4-Dichlorobenzene	12.222	146	4371M3	0.436	ug/L		
107) p-Diethylbenzene	12.437	119	4450	0.395	ug/L		96
108) n-Butylbenzene	12.492	91	6499	0.402	ug/L	#	40
109) 1,2-Dichlorobenzene	12.643	146	4236	0.439	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.231	119	7522	0.408	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.424	155	212M1	0.267	ug/L		
112) 1,3,5-Trichlorobenzene	13.457	180	3071	0.398	ug/L		92
113) Hexachlorobutadiene	14.029	225	974	0.395	ug/L		90
114) 1,2,4-Trichlorobenzene	14.057	180	2885	0.422	ug/L		90
115) Naphthalene	14.350	128	6143	0.418	ug/L		100
116) 1,2,3-Trichlorobenzene	14.514	180	2501	0.400	ug/L	#	83

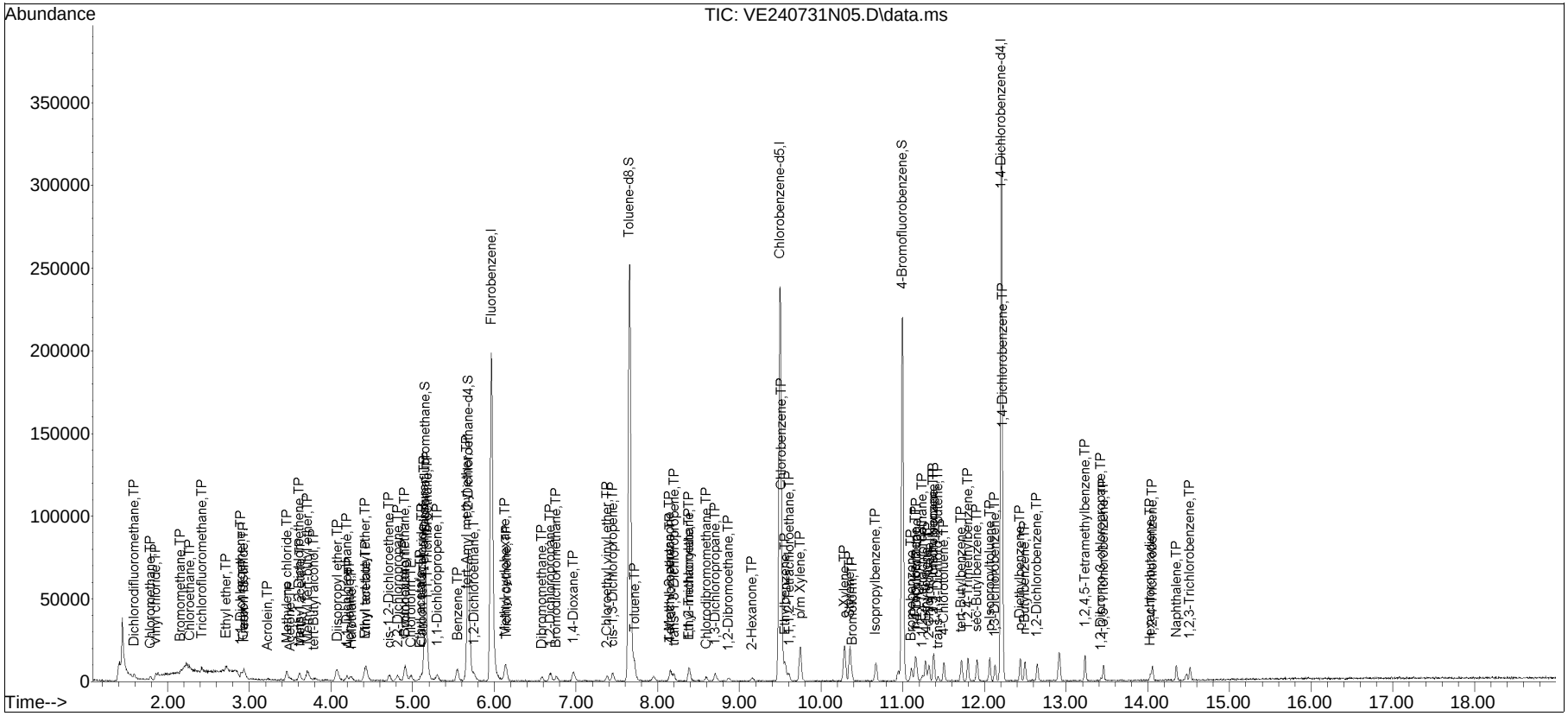
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N05.D
Acq On : 31 Jul 2024 7:26 pm
Operator : ELAINE:MKS
Sample : I8260STD0.5PPB
Misc : WG1954249
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 12:03:30 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

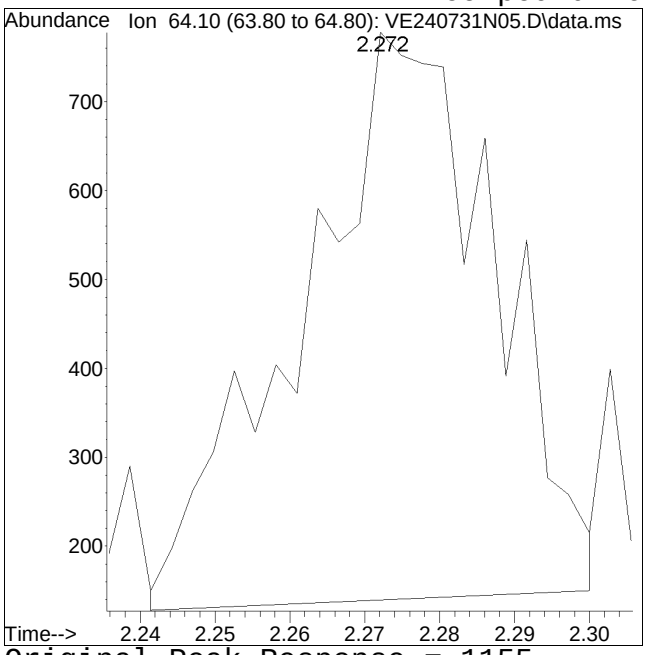


Manual Integration Report

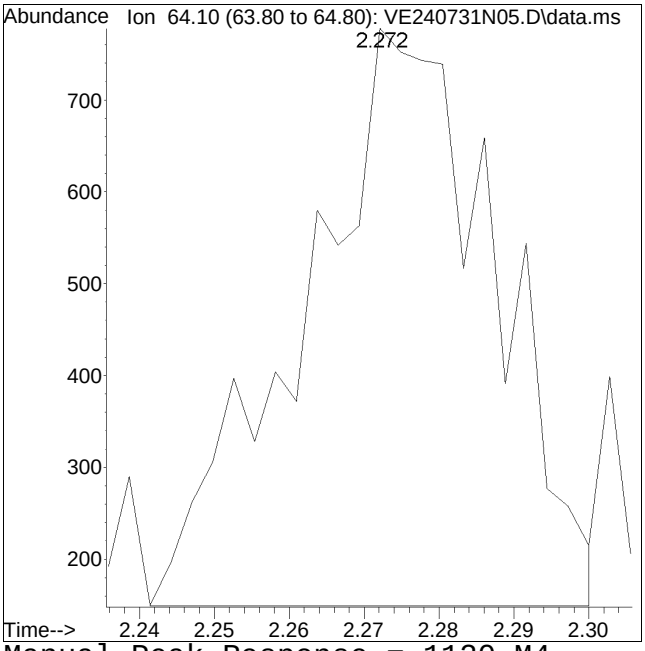
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #6: Chloroethane



Original Peak Response = 1155



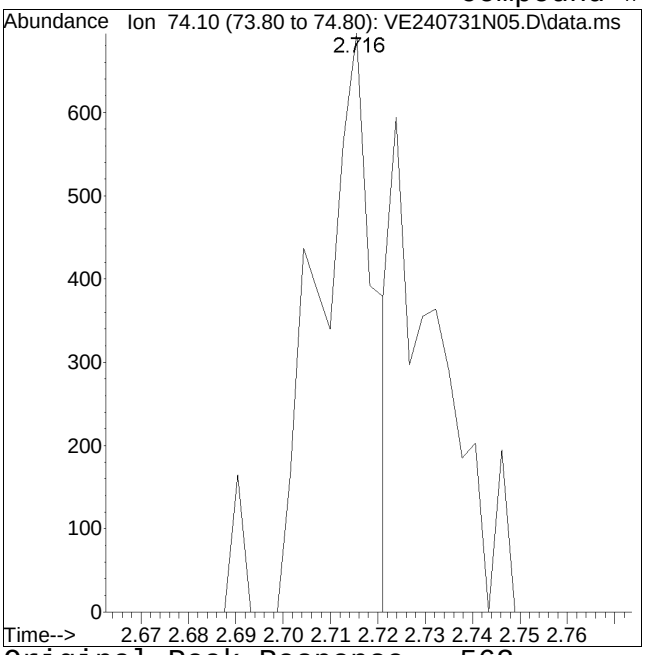
Manual Peak Response = 1120 M4

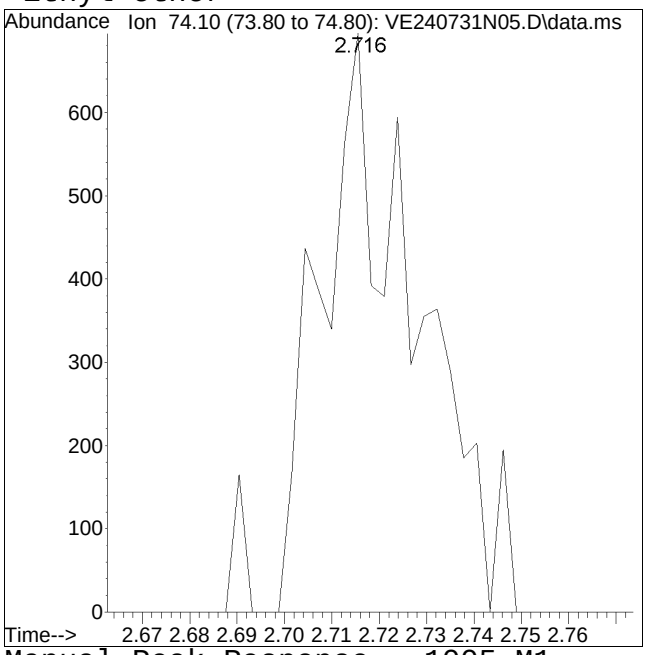
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #8: Ethyl ether





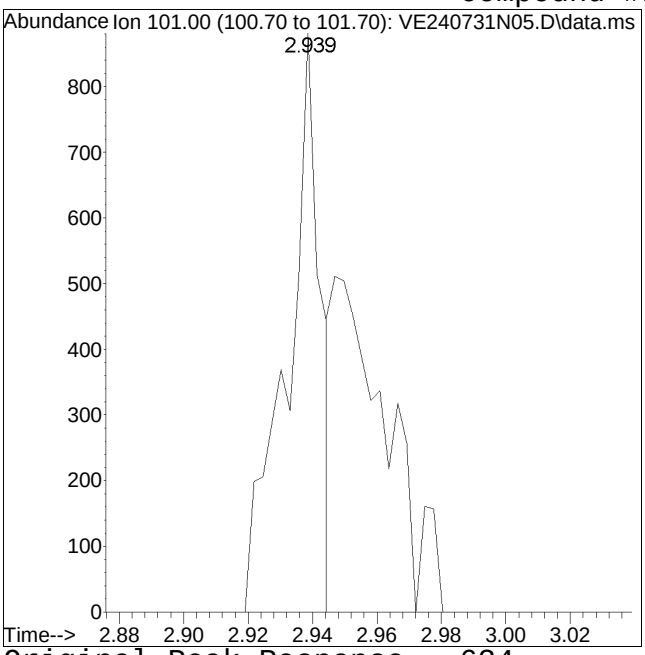
Original Peak Response = 562 Manual Peak Response = 1005 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

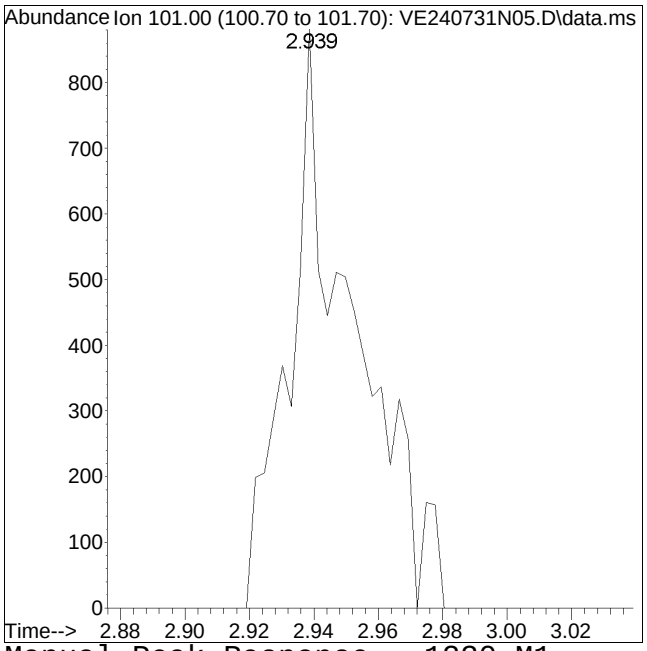
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #12: Freon-113



Original Peak Response = 624



Manual Peak Response = 1230 M1

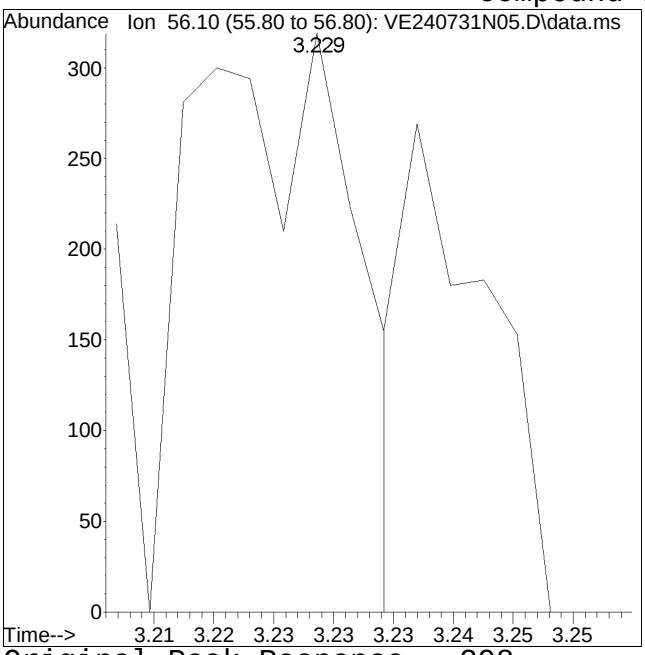
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

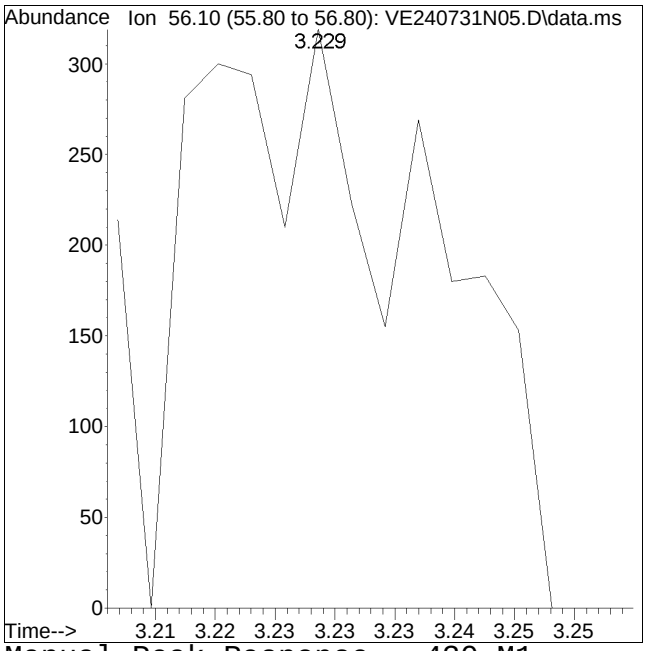
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #14: Acrolein



Original Peak Response = 298



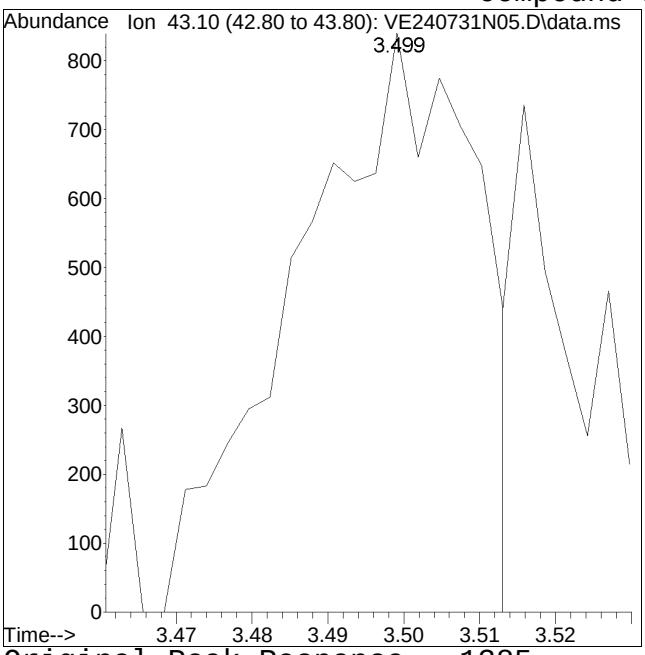
Manual Peak Response = 430 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

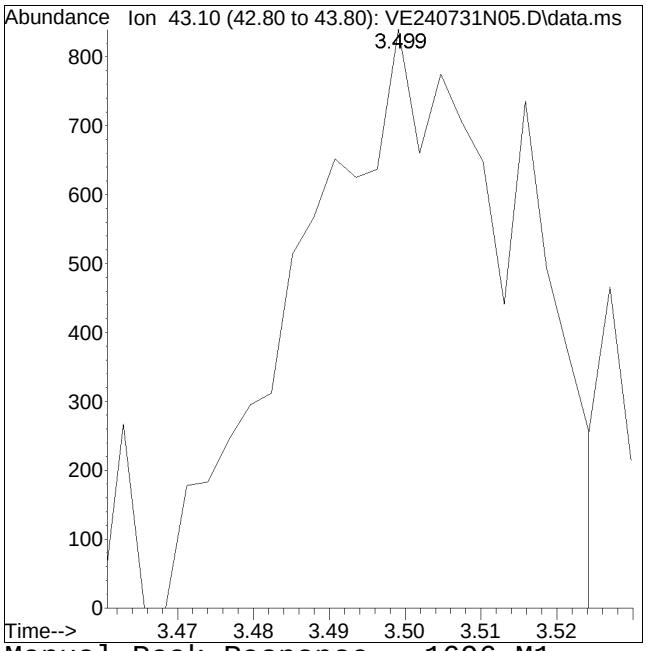
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #17: Acetone



Original Peak Response = 1385



Manual Peak Response = 1696 M1

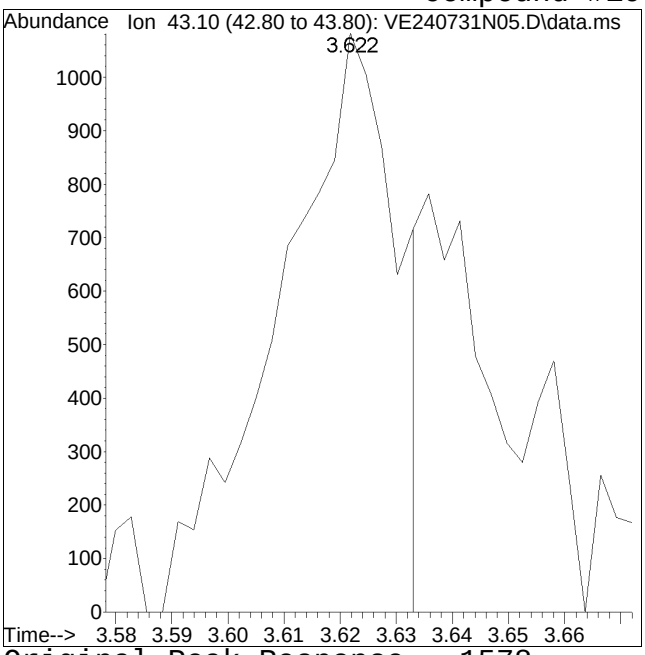
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

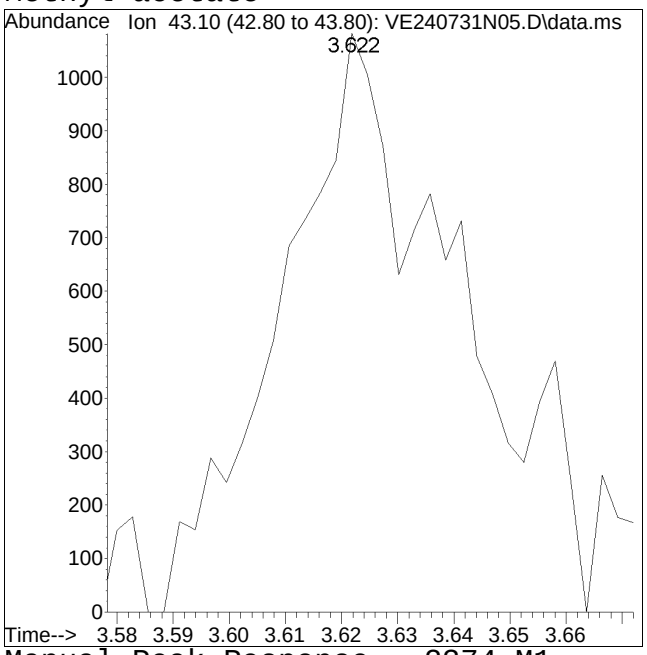
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #19: Methyl acetate



Original Peak Response = 1578



Manual Peak Response = 2374 M1

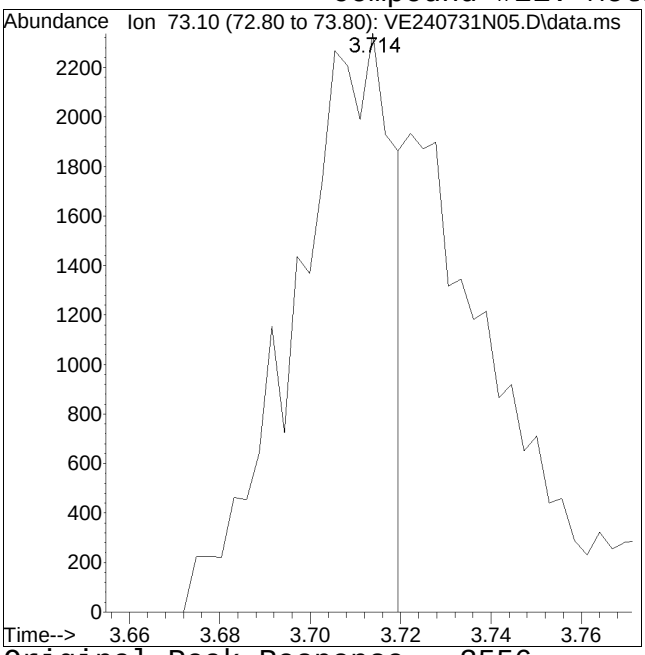
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

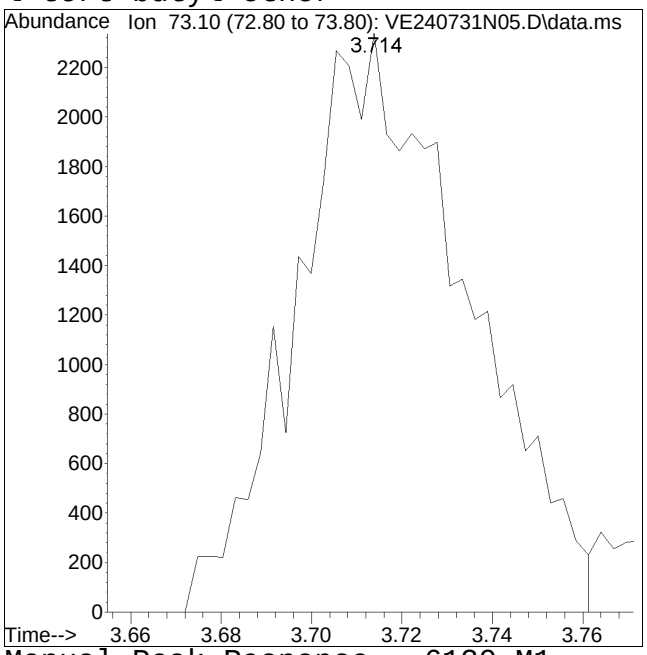
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #21: Methyl tert-butyl ether



Original Peak Response = 3556



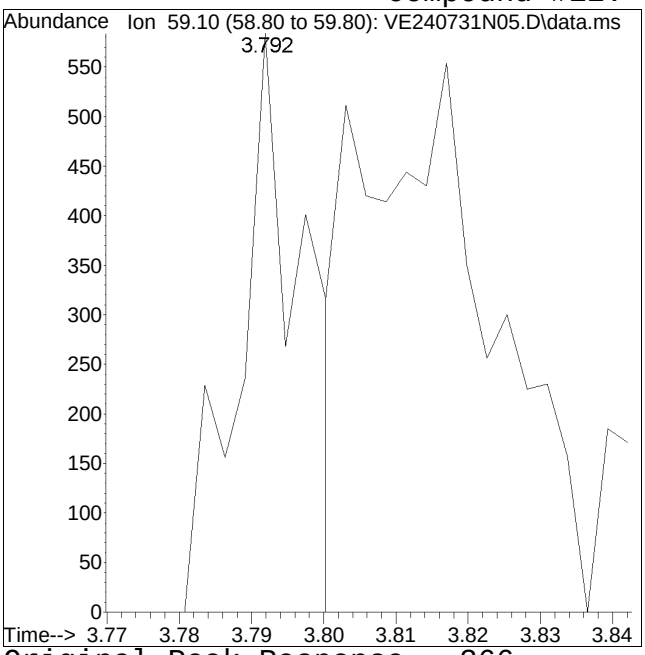
Manual Peak Response = 6120 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

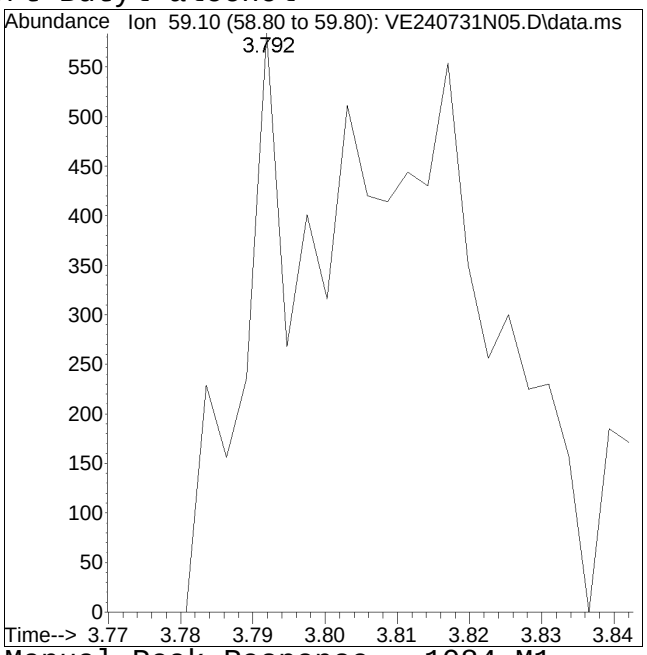
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #22: tert-Butyl alcohol



Original Peak Response = 366



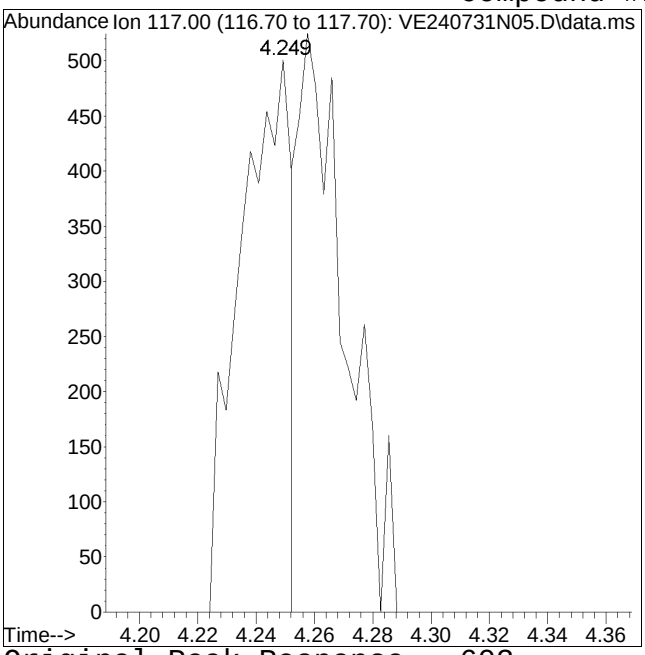
Manual Peak Response = 1084 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

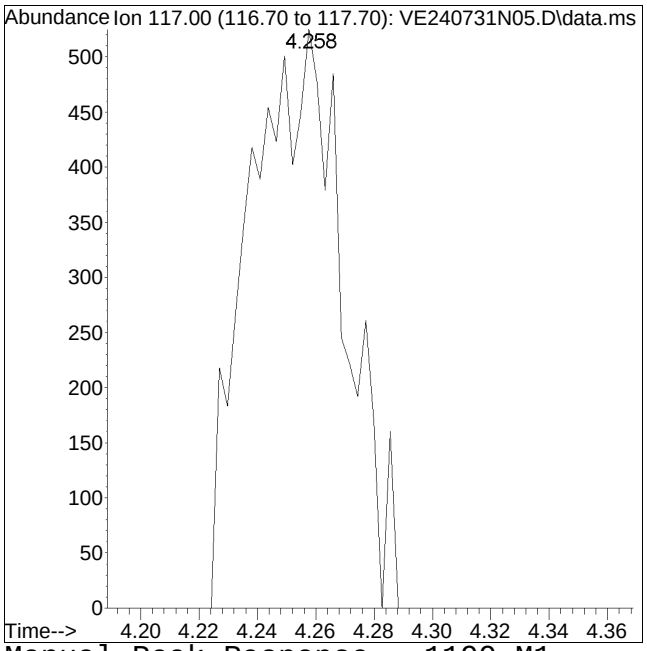
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #26: Halothane



Original Peak Response = 603



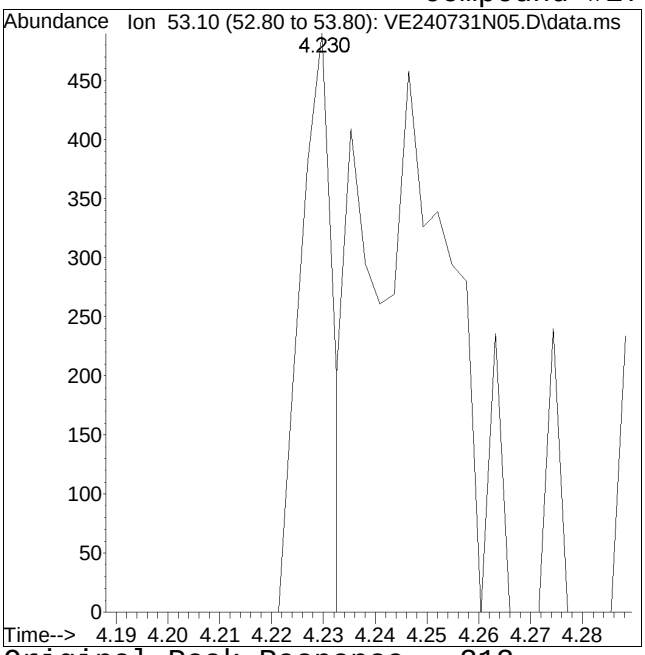
Manual Peak Response = 1199 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

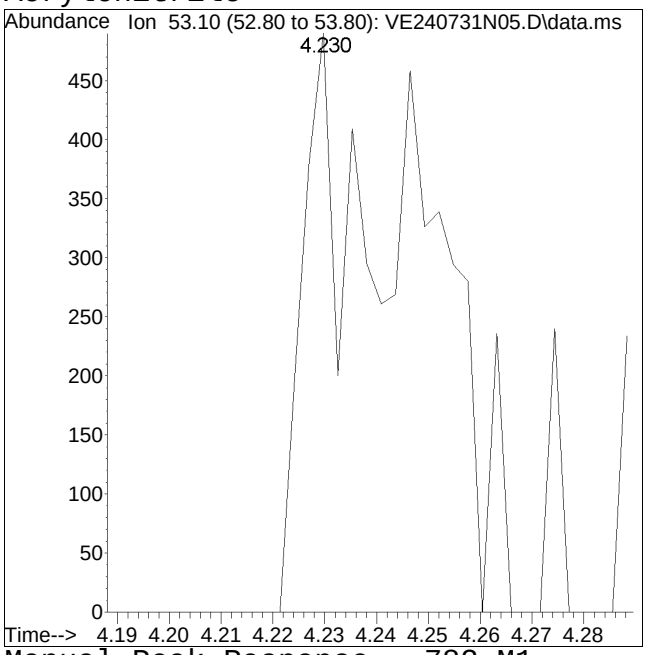
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #27: Acrylonitrile



Original Peak Response = 212



Manual Peak Response = 782 M1

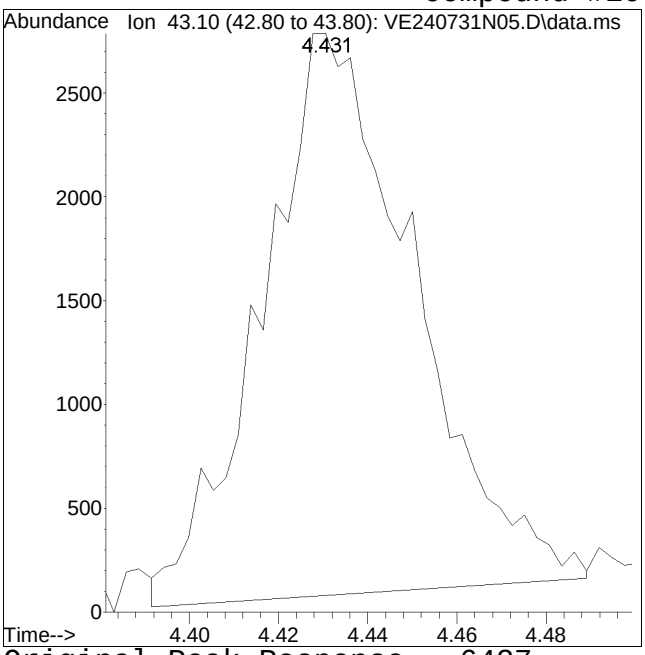
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

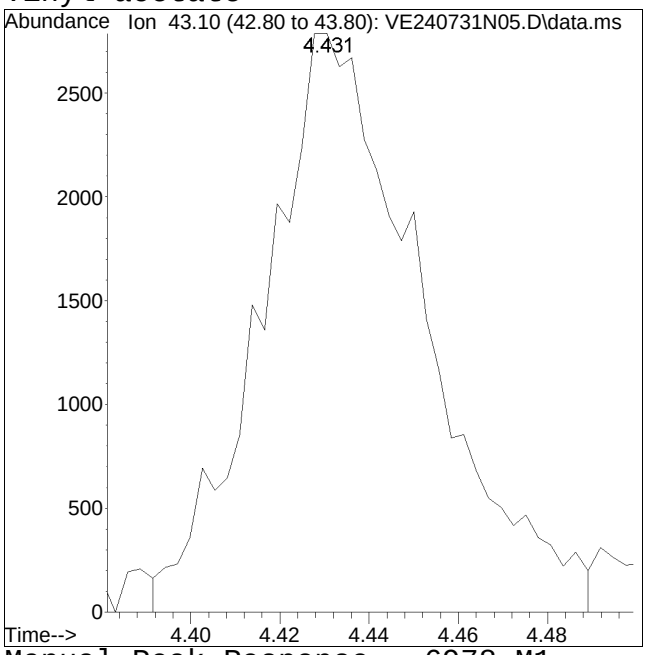
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #29: Vinyl acetate



Original Peak Response = 6427



Manual Peak Response = 6978 M1

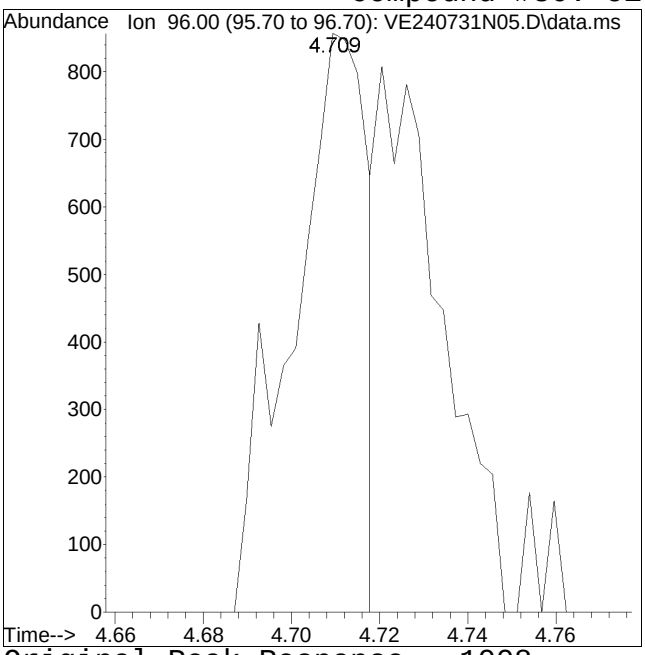
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

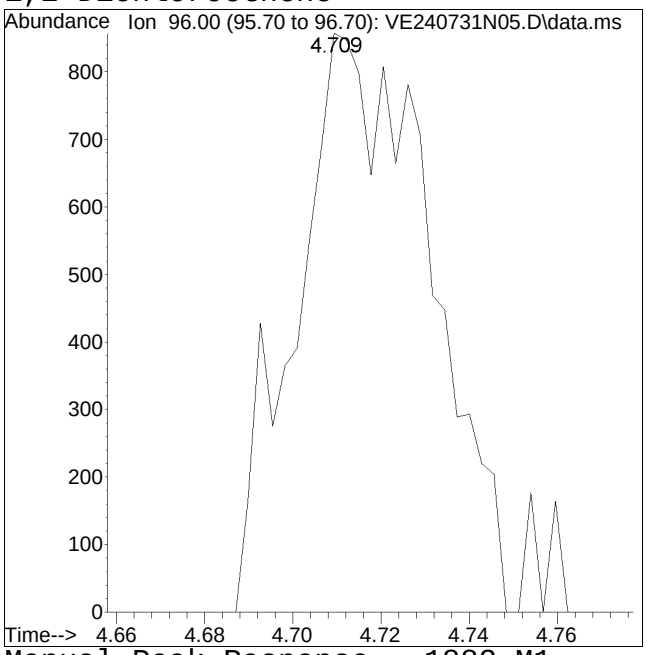
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #30: cis-1,2-Dichloroethene



Original Peak Response = 1008



Manual Peak Response = 1882 M1

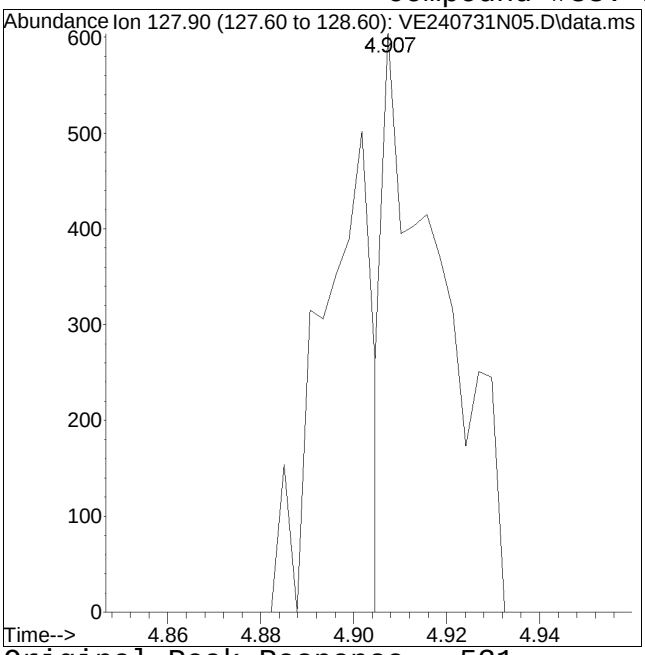
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

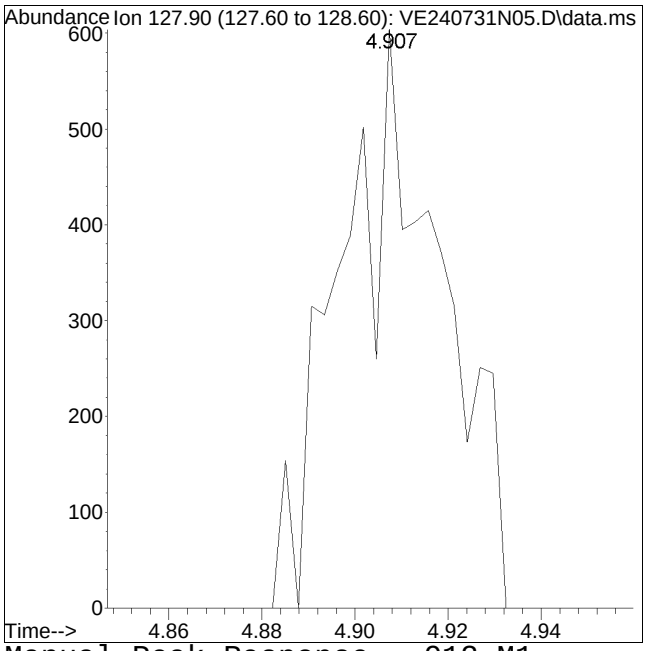
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #33: Bromochloromethane



Original Peak Response = 531



Manual Peak Response = 912 M1

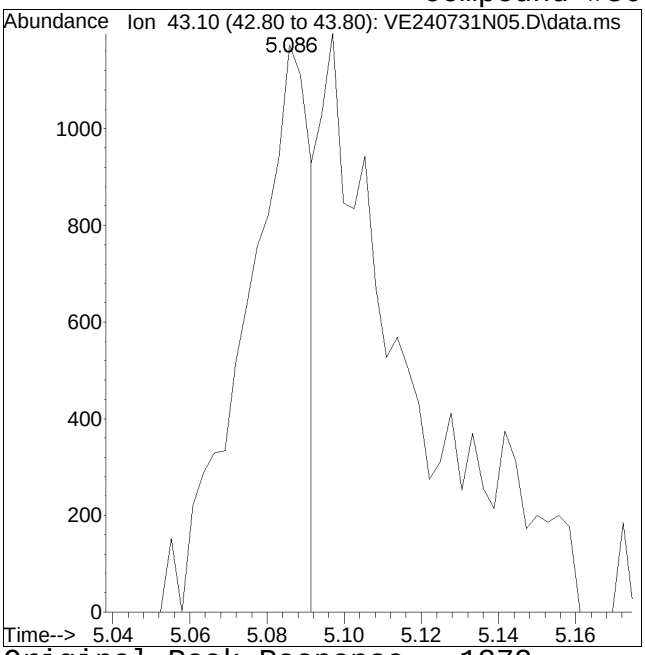
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

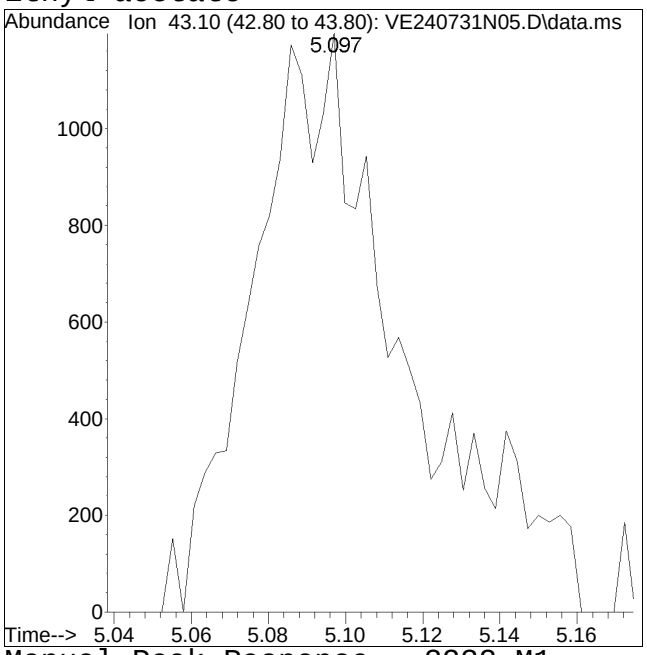
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #36: Ethyl acetate



Original Peak Response = 1372



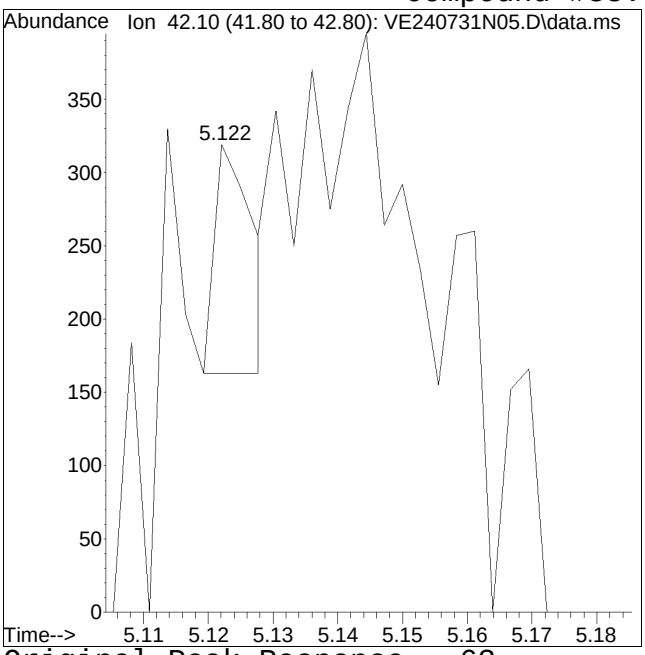
Manual Peak Response = 3232 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

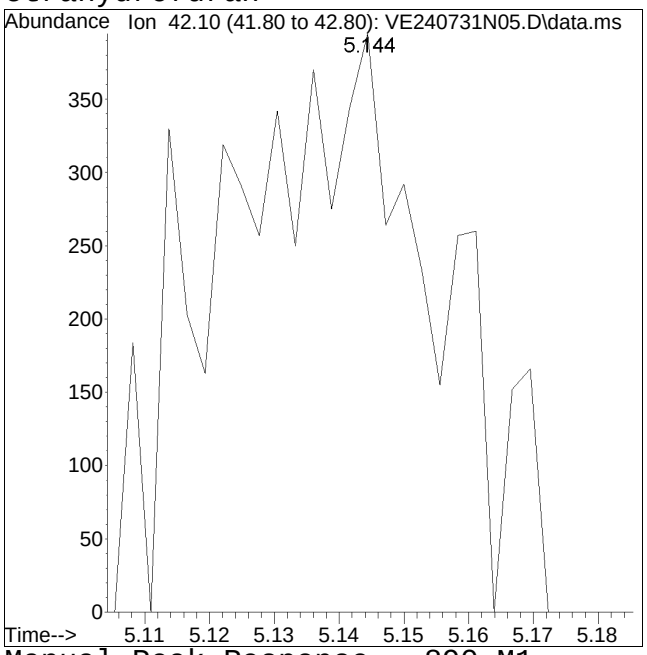
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran



Original Peak Response = 63



Manual Peak Response = 890 M1

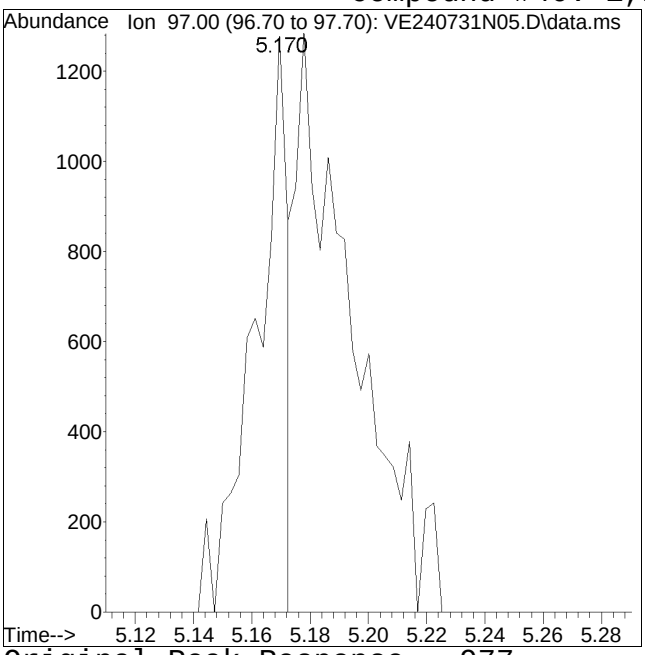
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

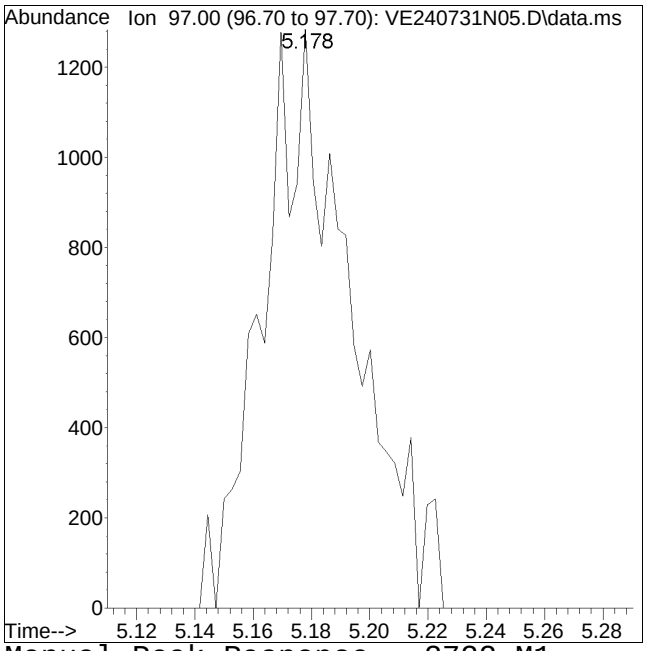
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #40: 1,1,1-Trichloroethane



Original Peak Response = 977



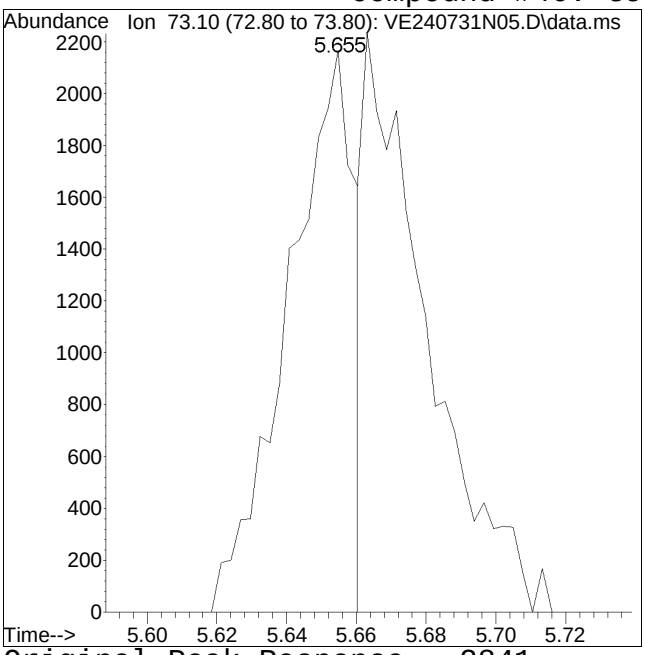
Manual Peak Response = 2722 M1

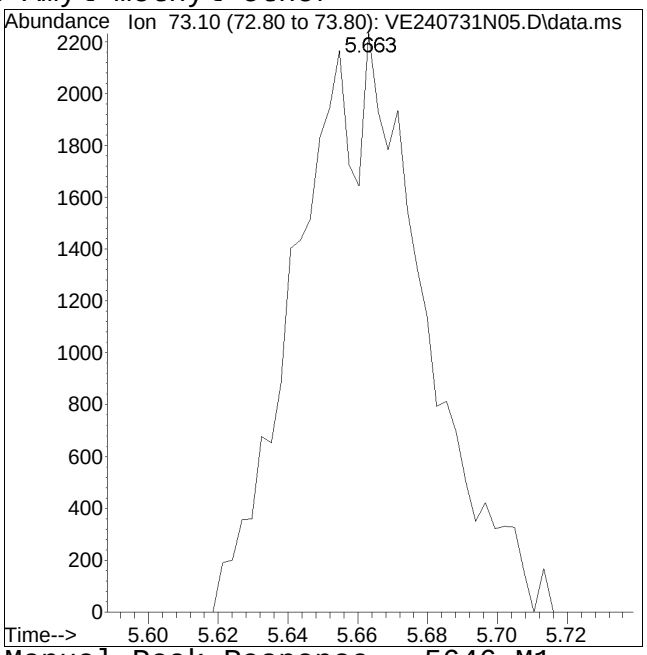
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #46: tert-Amyl methyl ether



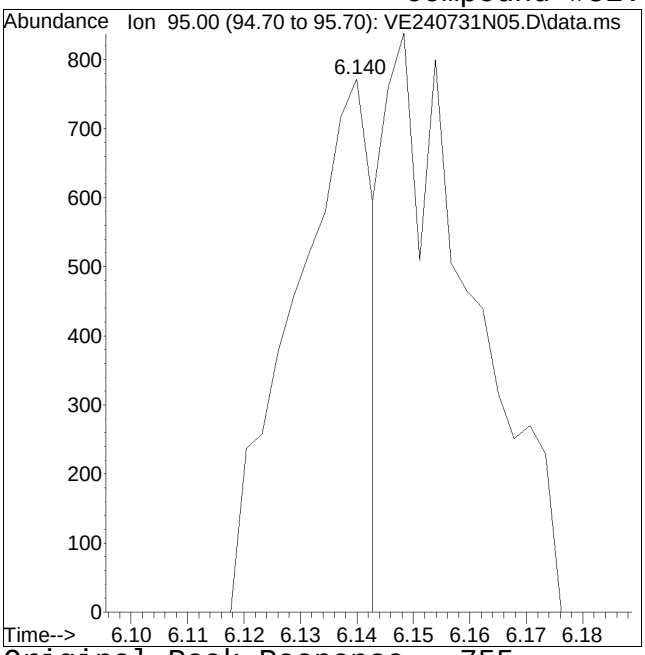


Original Peak Response = 2841 Manual Peak Response = 5646 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

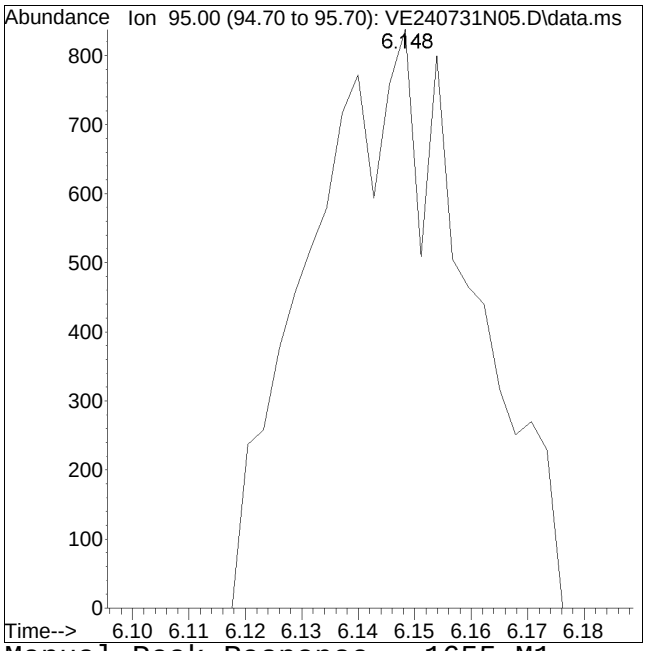
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #52: Trichloroethene



Original Peak Response = 755



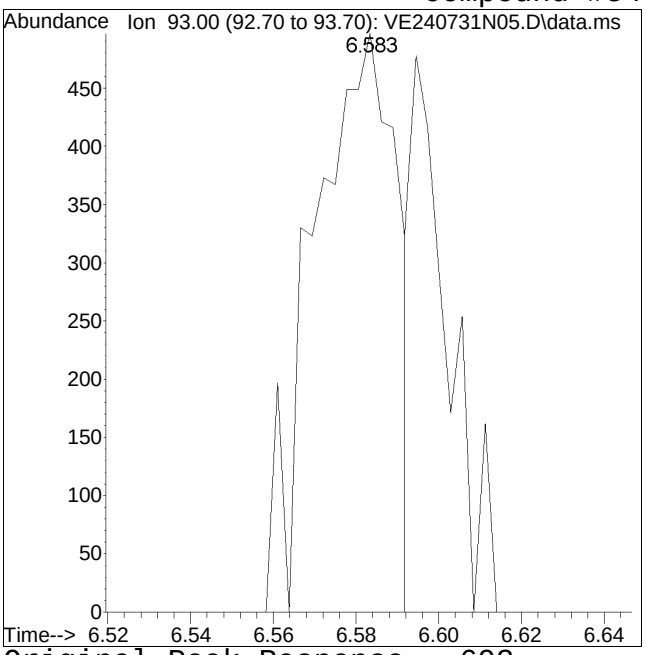
Manual Peak Response = 1655 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

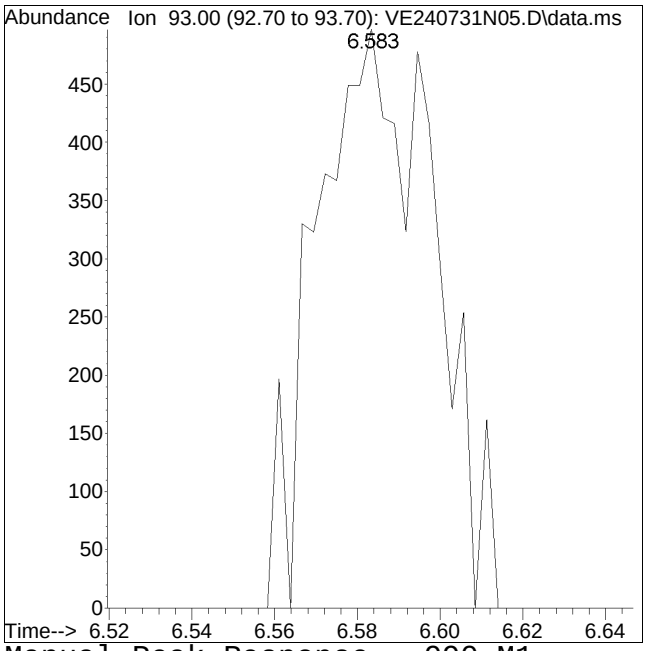
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #54: Dibromomethane



Original Peak Response = 693



Manual Peak Response = 990 M1

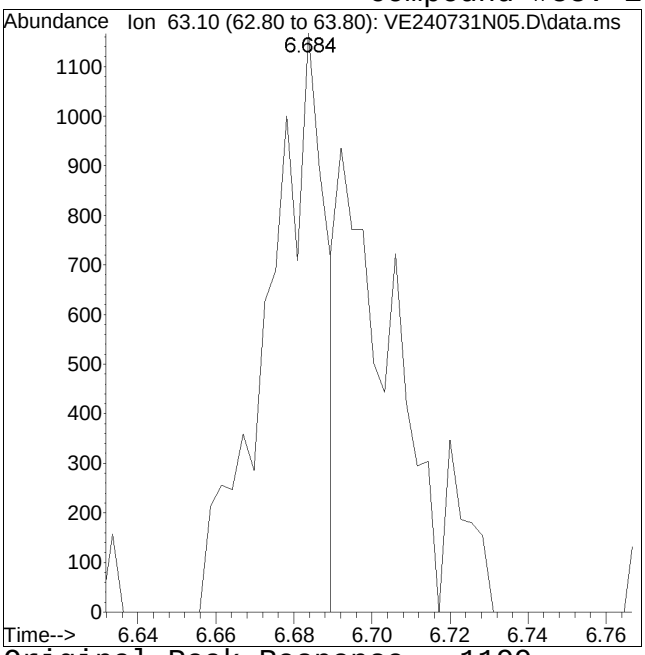
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

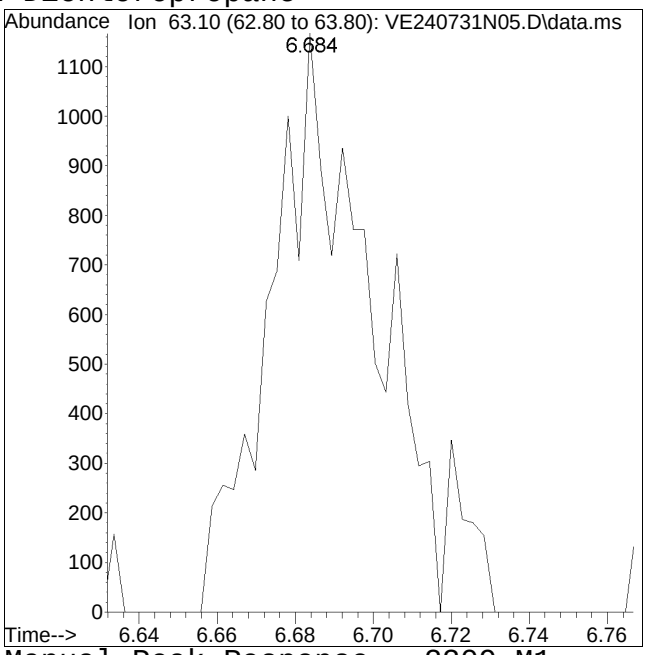
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #55: 1,2-Dichloropropane



Original Peak Response = 1199



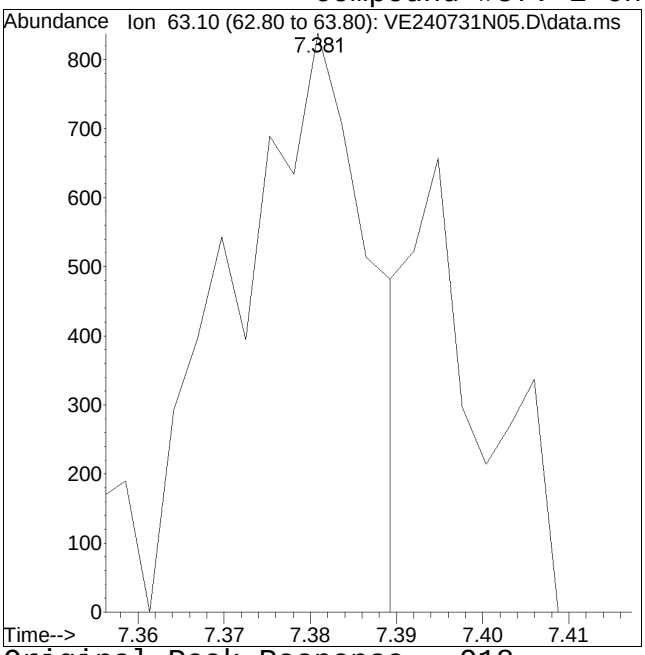
Manual Peak Response = 2209 M1

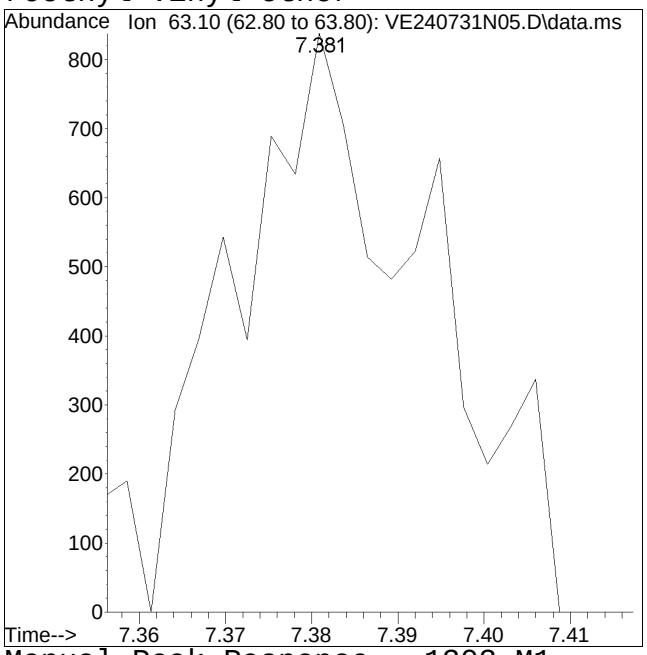
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #57: 2-Chloroethyl vinyl ether



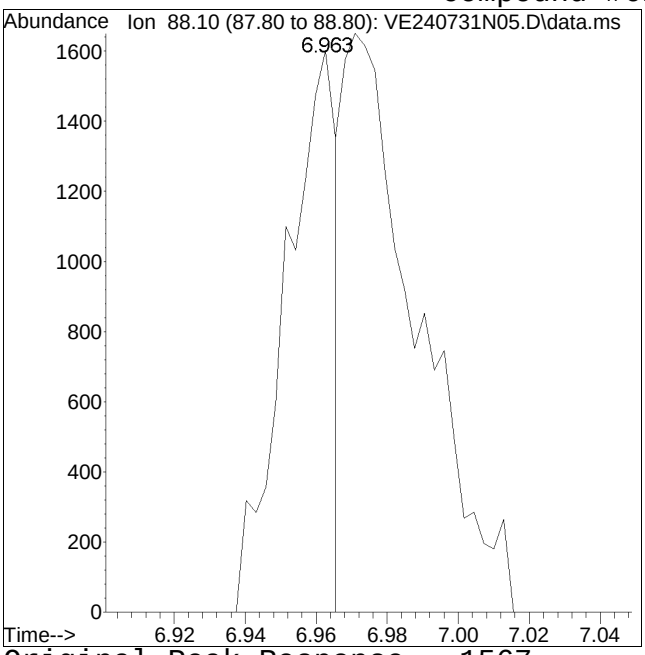


Original Peak Response = 918 Manual Peak Response = 1303 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

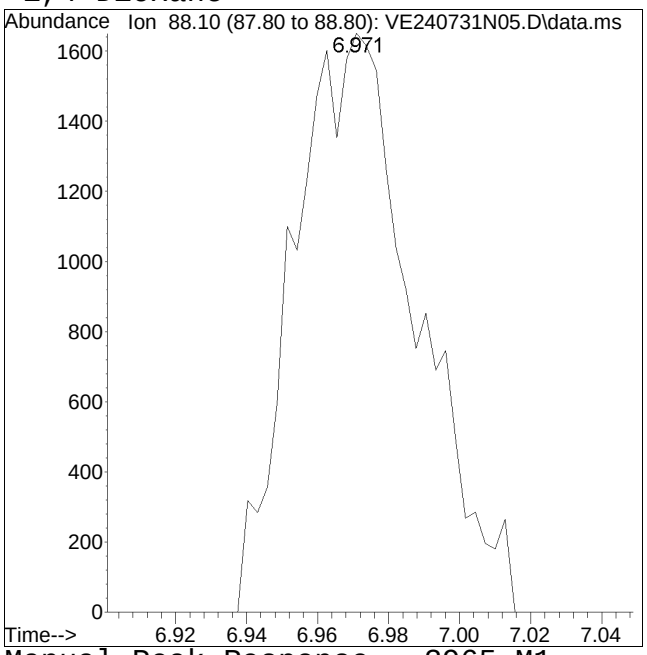
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #61: 1,4-Dioxane



Original Peak Response = 1567



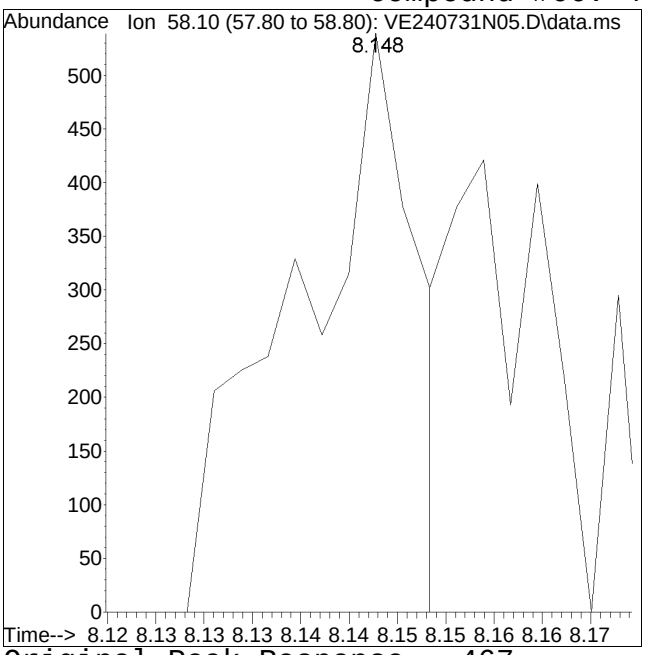
Manual Peak Response = 3965 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

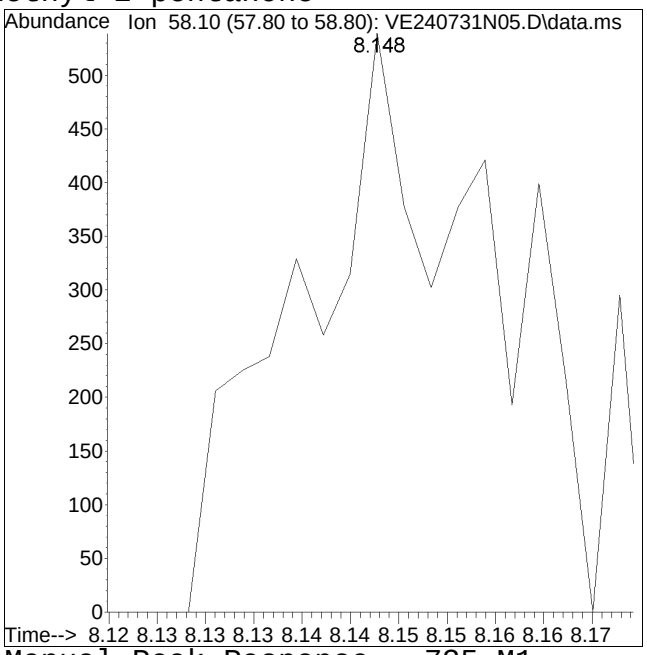
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #66: 4-Methyl-2-pentanone



Original Peak Response = 467



Manual Peak Response = 735 M1

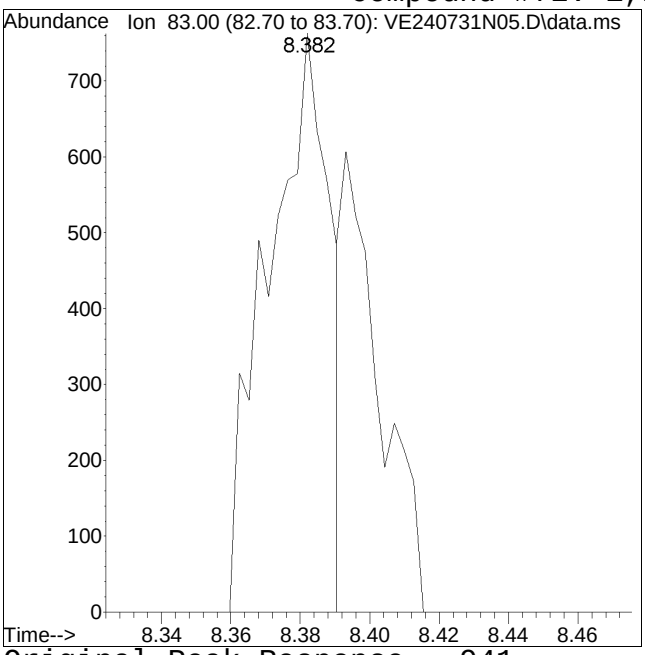
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

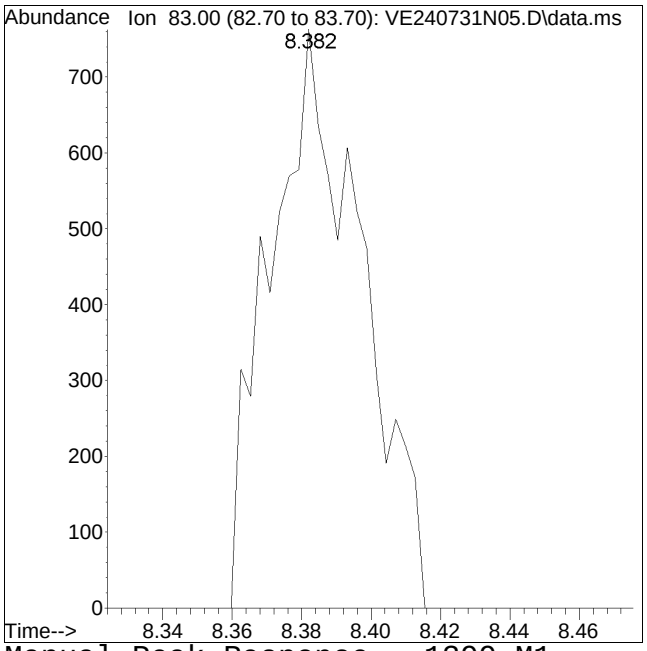
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N05.D
Date Inj'd : 7/31/2024 7:26 pm
Sample : I8260STD0.5PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #72: 1,1,2-Trichloroethane



Original Peak Response = 941



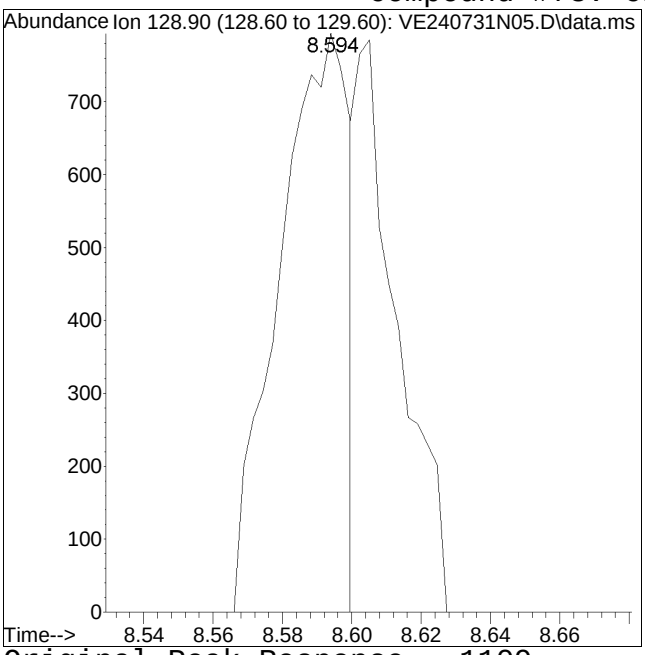
Manual Peak Response = 1399 M1

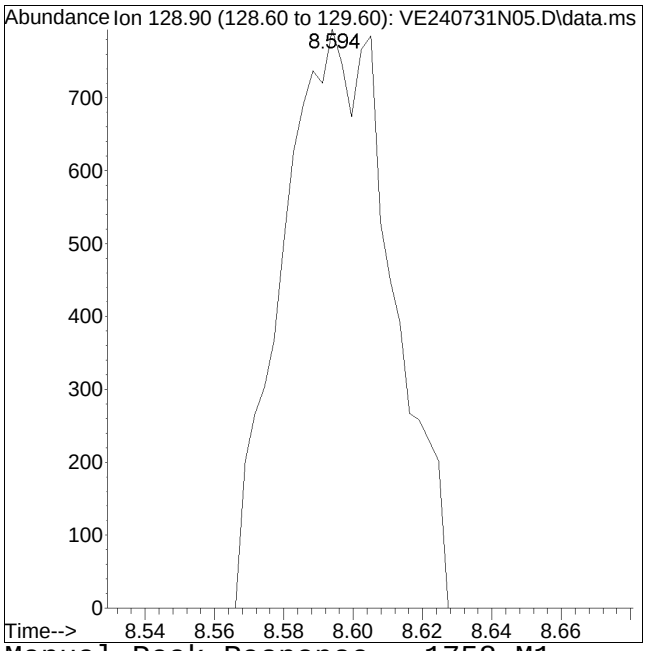
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #73: Chlorodibromomethane



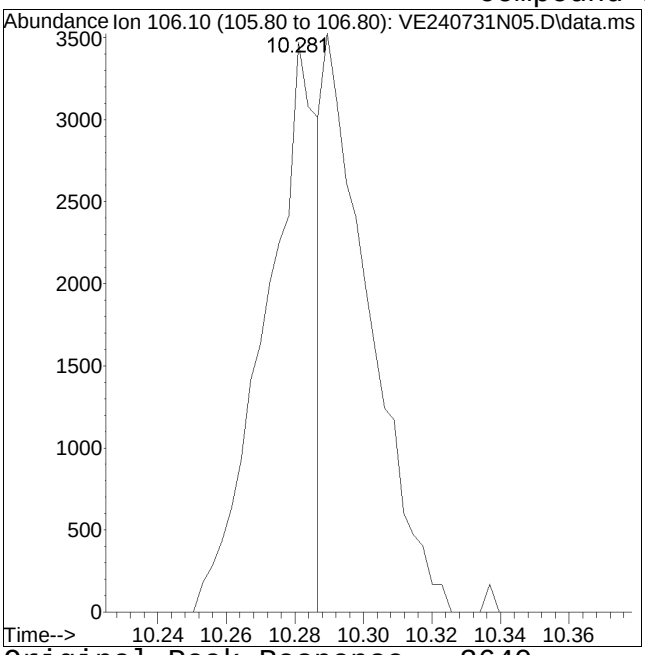


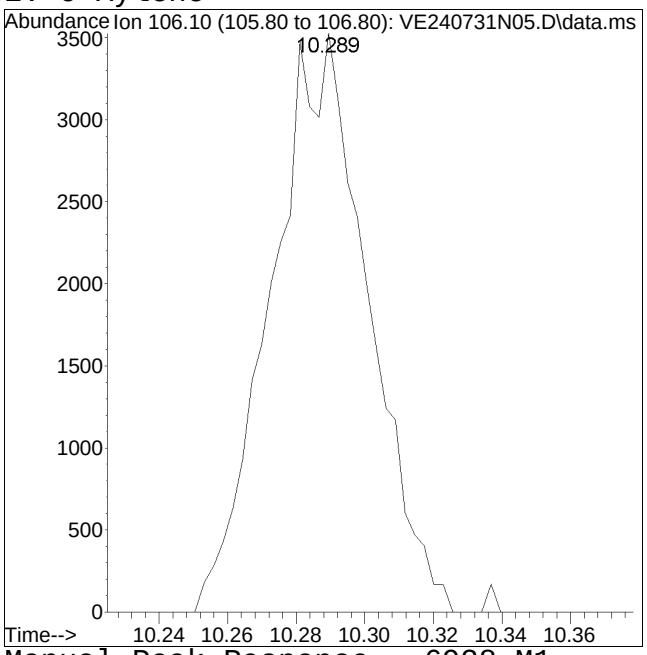
Original Peak Response = 1109 Manual Peak Response = 1758 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #82: o Xylene



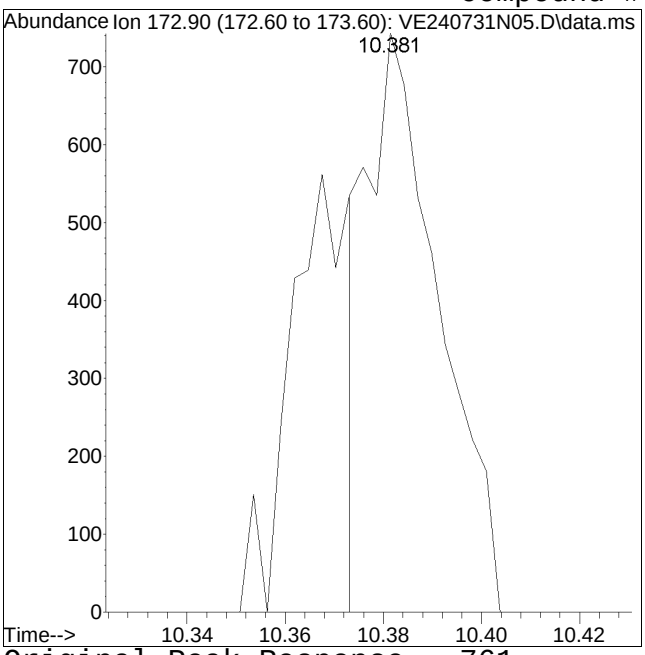


Original Peak Response = 3640 Manual Peak Response = 6928 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

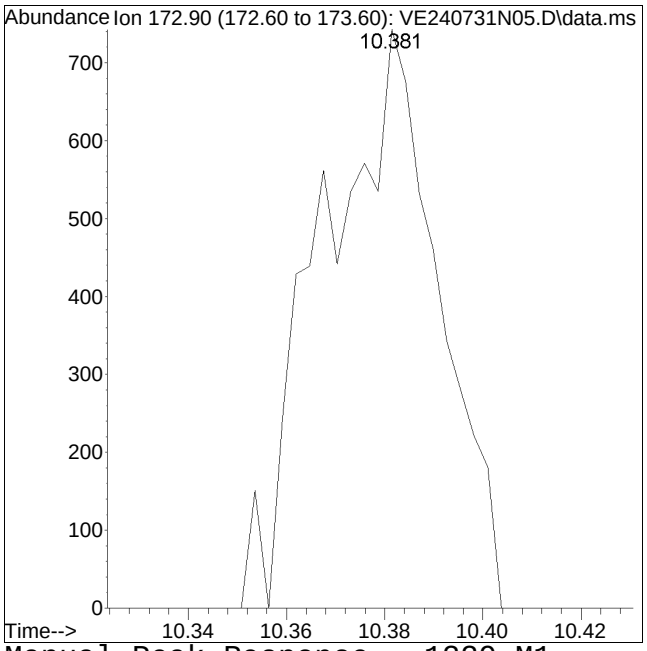
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #85: Bromoform



Original Peak Response = 761



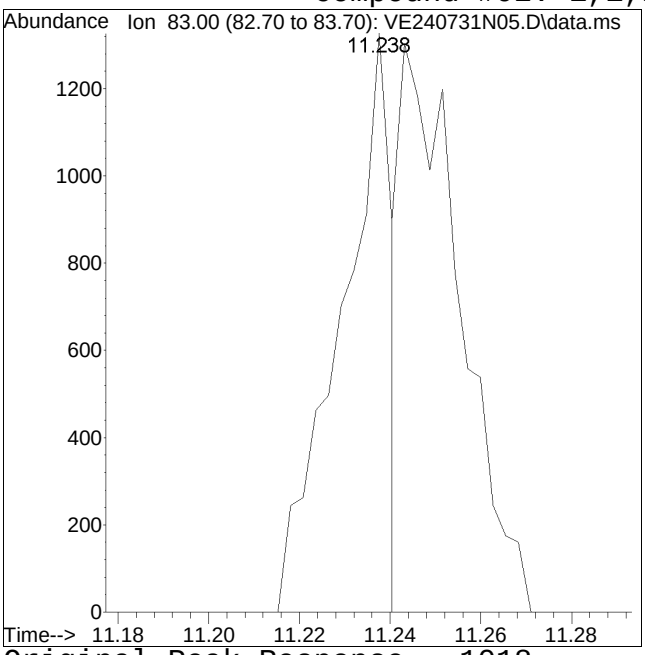
Manual Peak Response = 1229 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

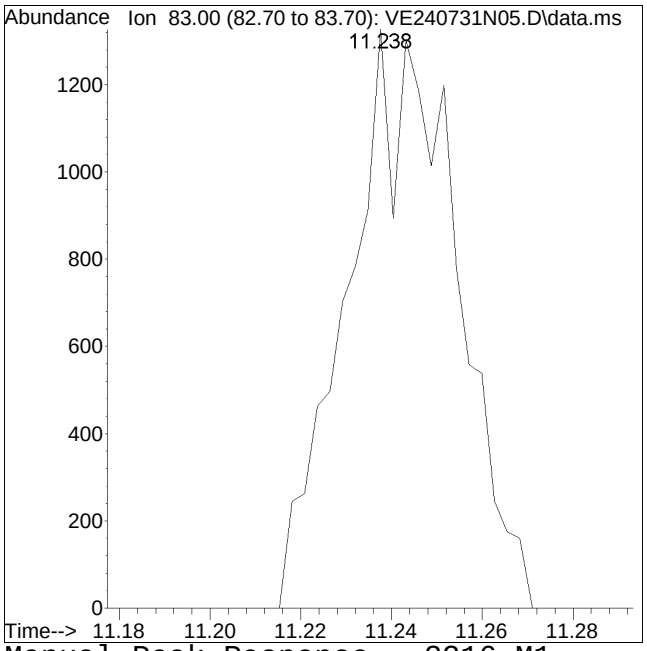
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #92: 1,1,2,2-Tetrachloroethane



Original Peak Response = 1018



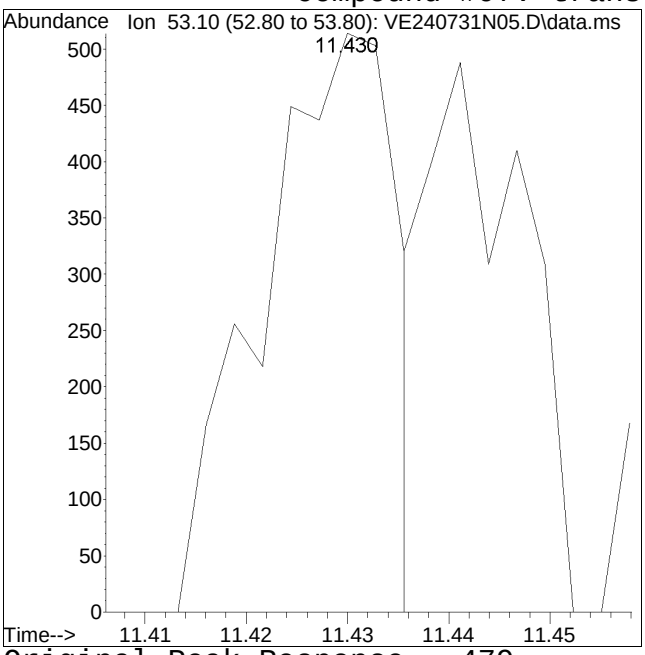
Manual Peak Response = 2216 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

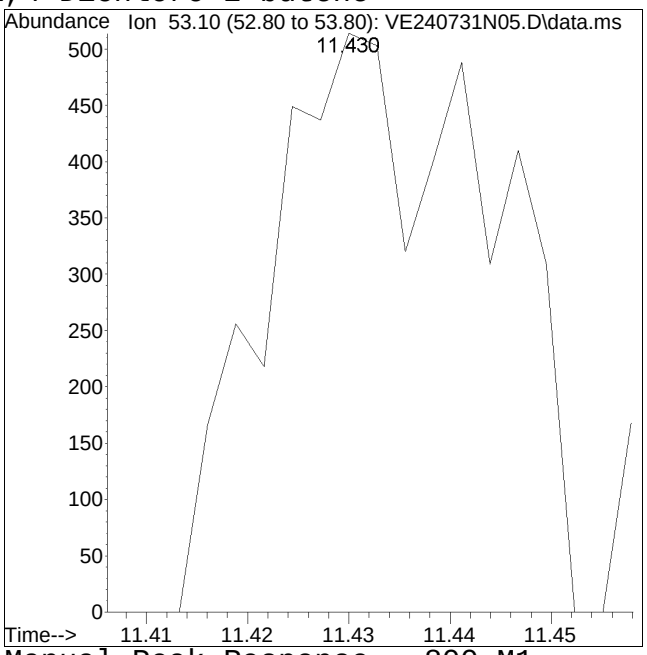
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #97: trans-1,4-Dichloro-2-butene



Original Peak Response = 479



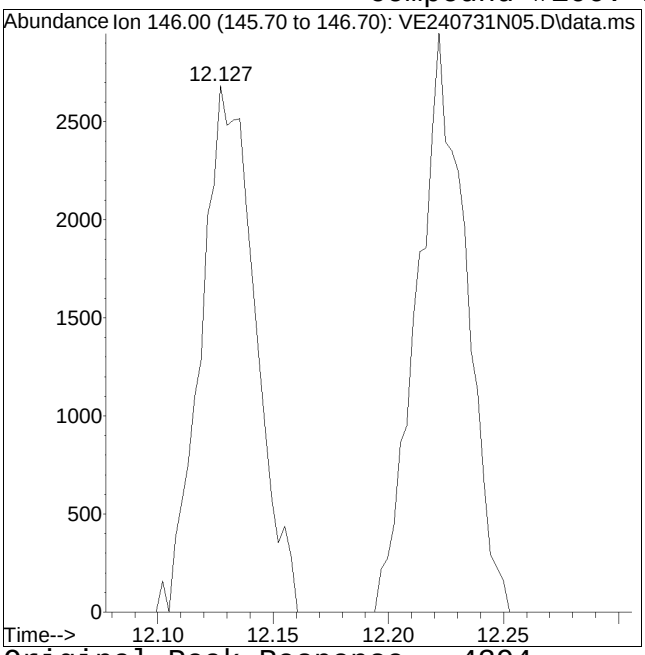
Manual Peak Response = 800 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

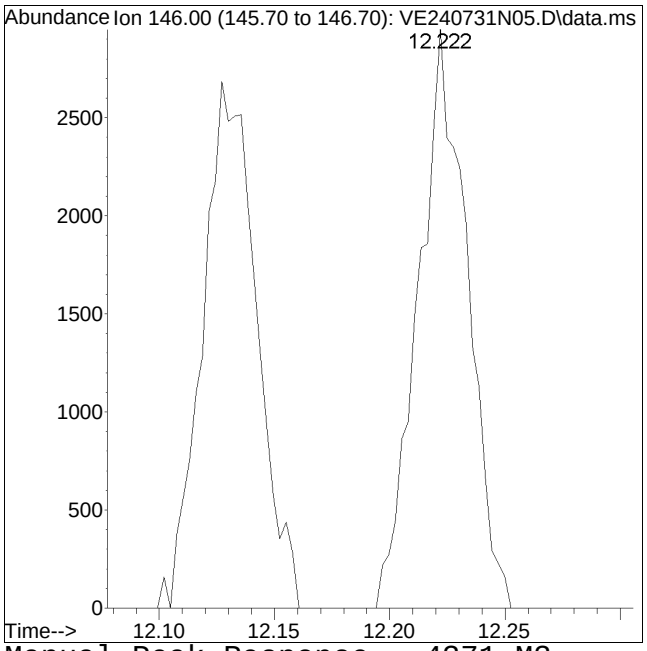
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 4394



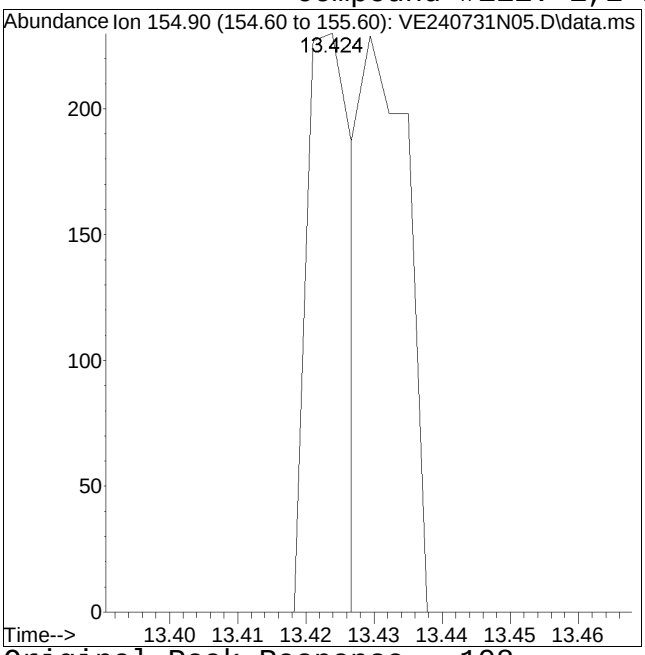
Manual Peak Response = 4371 M3

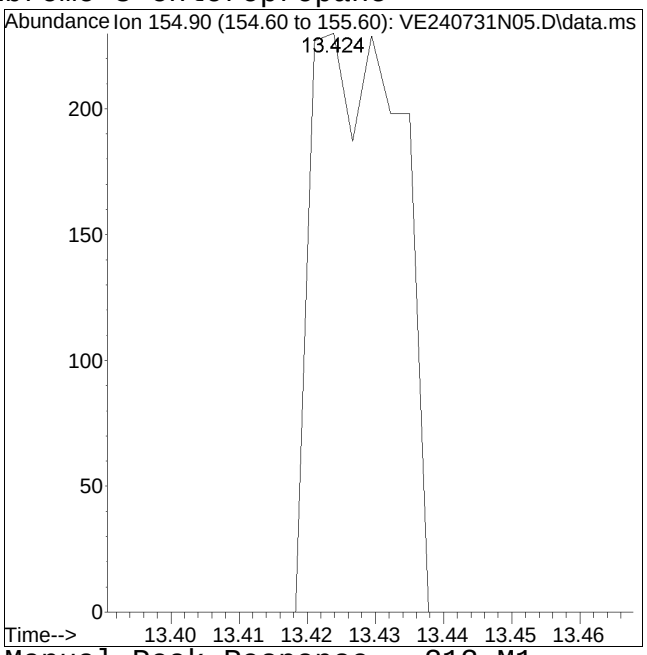
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N05.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 7:26 pm Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 8/1/2024 11:57 am

Compound #111: 1,2-Dibromo-3-chloropropane





Original Peak Response = 108 Manual Peak Response = 212 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N07.D
Acq On : 31 Jul 2024 8:16 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1954249
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 12:05:12 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.964	96	205965	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 100.68%			
63) Chlorobenzene-d5	9.497	117	151862	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 102.78%			
84) 1,4-Dichlorobenzene-d4	12.208	152	86373	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 102.21%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.153	113	49492	10.098	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.98%			
47) 1,2-Dichloroethane-d4	5.682	65	66293	10.187	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.87%			
64) Toluene-d8	7.651	98	198351	9.874	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.74%			
88) 4-Bromofluorobenzene	10.998	95	77750	9.707	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	10135	2.234	ug/L #	87
3) Chloromethane	1.787	50	10322	1.907	ug/L	98
4) Vinyl chloride	1.854	62	10227	2.041	ug/L	83
5) Bromomethane	2.160	94	2217	1.844	ug/L	99
6) Chloroethane	2.272	64	6822M1	2.156	ug/L	
7) Trichlorofluoromethane	2.420	101	10784	2.060	ug/L	87
8) Ethyl ether	2.713	74	3876	1.776	ug/L #	61
10) 1,1-Dichloroethene	2.905	96	6805	2.139	ug/L	87
11) Carbon disulfide	2.933	76	20147	1.943	ug/L	92
12) Freon-113	2.944	101	7065M1	2.106	ug/L	
13) Iodomethane	3.036	142	2297	1.282	ug/L #	84
14) Acrolein	3.228	56	1941M3	2.134	ug/L	
15) Methylene chloride	3.457	84	8519	2.029	ug/L	89
17) Acetone	3.499	43	3859M1	2.655	ug/L	
18) trans-1,2-Dichloroethene	3.613	96	7133	1.958	ug/L	78
19) Methyl acetate	3.622	43	7542	2.220	ug/L #	84
21) Methyl tert-butyl ether	3.719	73	25937	1.863	ug/L	96
22) tert-Butyl alcohol	3.803	59	4687	9.669	ug/L #	72
24) Diisopropyl ether	4.073	45	36164	1.819	ug/L #	89
25) 1,1-Dichloroethane	4.196	63	16753	1.917	ug/L	95
26) Halothane	4.246	117	5656M1	1.936	ug/L	

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N07.D
Acq On : 31 Jul 2024 8:16 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1954249
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 12:05:12 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.238	53	3350	1.851	ug/L	#	71
28) Ethyl tert-butyl ether	4.422	59	32105	1.861	ug/L	#	83
29) Vinyl acetate	4.436	43	26731M1	2.333	ug/L		
30) cis-1,2-Dichloroethene	4.715	96	8707	2.000	ug/L		97
31) 2,2-Dichloropropane	4.815	77	11494	2.065	ug/L	#	81
33) Bromochloromethane	4.907	128	3765	1.909	ug/L	#	76
34) Cyclohexane	4.913	56	20412M1	2.195	ug/L		
35) Chloroform	4.980	83	14505	2.035	ug/L		95
36) Ethyl acetate	5.091	43	9324	1.730	ug/L	#	96
37) Carbon tetrachloride	5.114	117	11111	2.073	ug/L		96
38) Tetrahydrofuran	5.130	42	3400M3	2.040	ug/L		
40) 1,1,1-Trichloroethane	5.180	97	12396	1.940	ug/L	#	79
42) 2-Butanone	5.273	43	4841M3	2.253	ug/L		
43) 1,1-Dichloropropene	5.303	75	10689	1.993	ug/L		92
45) Benzene	5.549	78	33518	1.941	ug/L		91
46) tert-Amyl methyl ether	5.655	73	23844	1.870	ug/L		98
48) 1,2-Dichloroethane	5.749	62	12349	1.876	ug/L		96
51) Methyl cyclohexane	6.134	83	14843	2.162	ug/L		86
52) Trichloroethene	6.145	95	8248	1.904	ug/L	#	68
54) Dibromomethane	6.580	93	4791	1.944	ug/L		87
55) 1,2-Dichloropropane	6.686	63	9613	1.871	ug/L		98
57) 2-Chloroethyl vinyl ether	7.381	63	5980	1.853	ug/L	#	77
58) Bromodichloromethane	6.759	83	12056	1.988	ug/L	#	93
61) 1,4-Dioxane	6.968	88	16165	403.548	ug/L		88
62) cis-1,3-Dichloropropene	7.445	75	13006	1.854	ug/L		92
65) Toluene	7.713	92	21290	1.968	ug/L		94
66) 4-Methyl-2-pentanone	8.148	58	3470	1.842	ug/L	#	96
67) Tetrachloroethene	8.159	166	8736	1.904	ug/L		96
69) trans-1,3-Dichloropropene	8.195	75	11383	1.811	ug/L		87
71) Ethyl methacrylate	8.387	69	11034	1.879	ug/L		89
72) 1,1,2-Trichloroethane	8.385	83	5762	1.858	ug/L		97
73) Chlorodibromomethane	8.594	129	7851	1.837	ug/L		98
74) 1,3-Dichloropropane	8.708	76	12084	1.849	ug/L		99
75) 1,2-Dibromoethane	8.867	107	6772	1.878	ug/L		86
77) 2-Hexanone	9.157	43	6900	1.938	ug/L	#	88
78) Chlorobenzene	9.520	112	22113	1.898	ug/L		90
79) Ethylbenzene	9.559	91	41231	1.928	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.603	131	8186	1.881	ug/L		93
81) p/m Xylene	9.745	106	31668	3.808	ug/L		98
82) o Xylene	10.289	106	30832	3.808	ug/L		95

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N07.D
Acq On : 31 Jul 2024 8:16 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1954249
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 12:05:12 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.351	104	50933	3.785	ug/L		99
85) Bromoform	10.379	173	5528	1.934	ug/L		92
87) Isopropylbenzene	10.669	105	41364	1.959	ug/L		95
89) Bromobenzene	11.104	156	10259	1.901	ug/L		100
90) n-Propylbenzene	11.151	91	48832	1.922	ug/L		97
91) 1,4-Dichlorobutane	11.168	55	18365	1.991	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.243	83	9003	2.115	ug/L		97
93) 4-Ethyltoluene	11.279	105	39669	1.895	ug/L		99
94) 2-Chlorotoluene	11.321	91	29752	1.953	ug/L		99
95) 1,3,5-Trimethylbenzene	11.377	105	34688	1.872	ug/L		100
96) 1,2,3-Trichloropropane	11.377	75	7255	1.949	ug/L		93
97) trans-1,4-Dichloro-2-b...	11.433	53	3407	1.939	ug/L	#	84
98) 4-Chlorotoluene	11.502	91	30450	1.927	ug/L		98
99) tert-Butylbenzene	11.720	119	29184	1.910	ug/L	#	97
102) 1,2,4-Trimethylbenzene	11.798	105	33754	1.834	ug/L		94
103) sec-Butylbenzene	11.909	105	43184	1.935	ug/L		98
104) p-Isopropyltoluene	12.063	119	35878	1.891	ug/L		97
105) 1,3-Dichlorobenzene	12.127	146	18671M3	1.849	ug/L		
106) 1,4-Dichlorobenzene	12.225	146	18771	1.878	ug/L		94
107) p-Diethylbenzene	12.439	119	20387	1.813	ug/L		94
108) n-Butylbenzene	12.498	91	30950	1.918	ug/L		97
109) 1,2-Dichlorobenzene	12.648	146	17729	1.841	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.229	119	32685	1.779	ug/L		94
111) 1,2-Dibromo-3-chloropr...	13.432	155	1498	1.893	ug/L		95
112) 1,3,5-Trichlorobenzene	13.457	180	13388	1.742	ug/L		93
113) Hexachlorobutadiene	14.032	225	4746	1.931	ug/L		93
114) 1,2,4-Trichlorobenzene	14.054	180	11806	1.733	ug/L		98
115) Naphthalene	14.352	128	26466	1.808	ug/L		100
116) 1,2,3-Trichlorobenzene	14.517	180	11185	1.795	ug/L		95

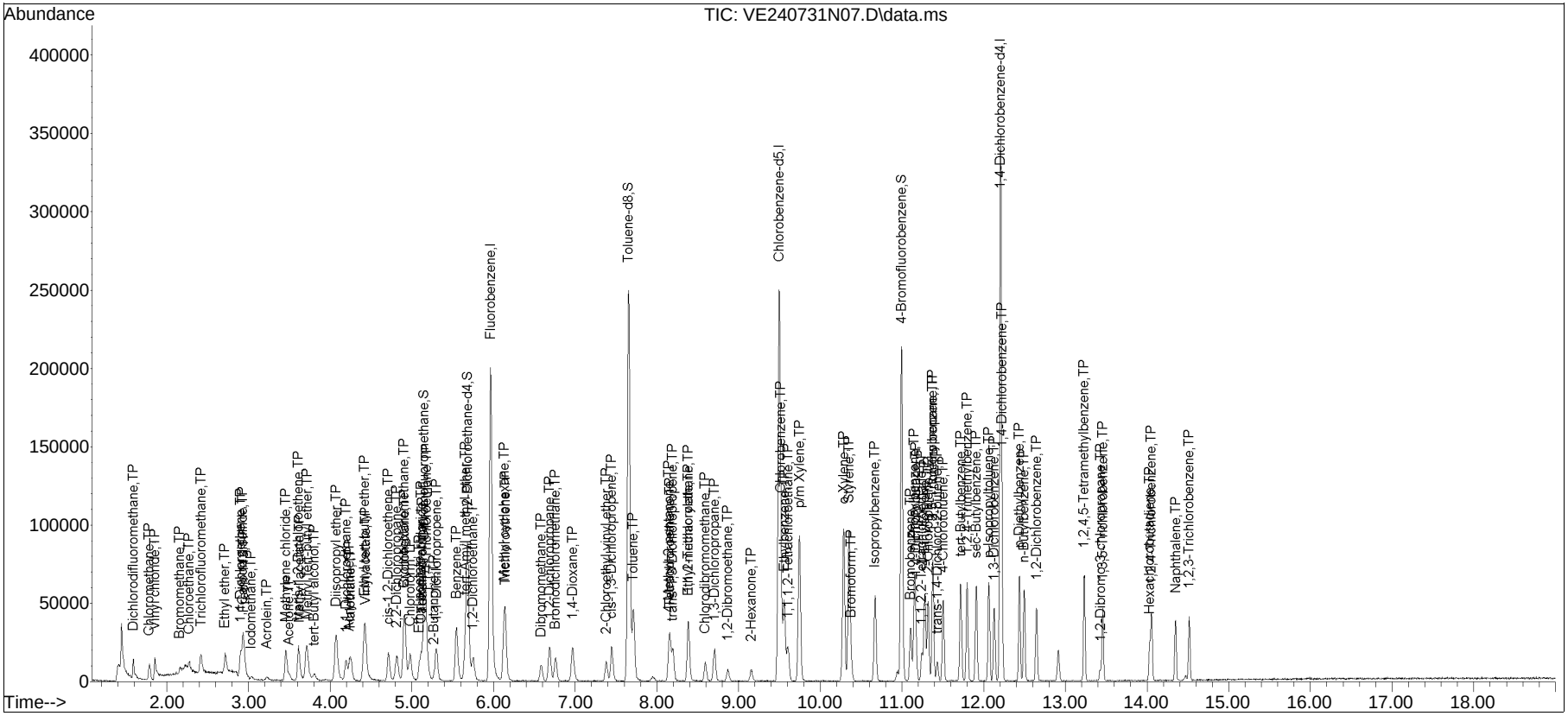
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N07.D
Acq On : 31 Jul 2024 8:16 pm
Operator : ELAINE:MKS
Sample : I8260STD2PPB
Misc : WG1954249
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 12:05:12 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

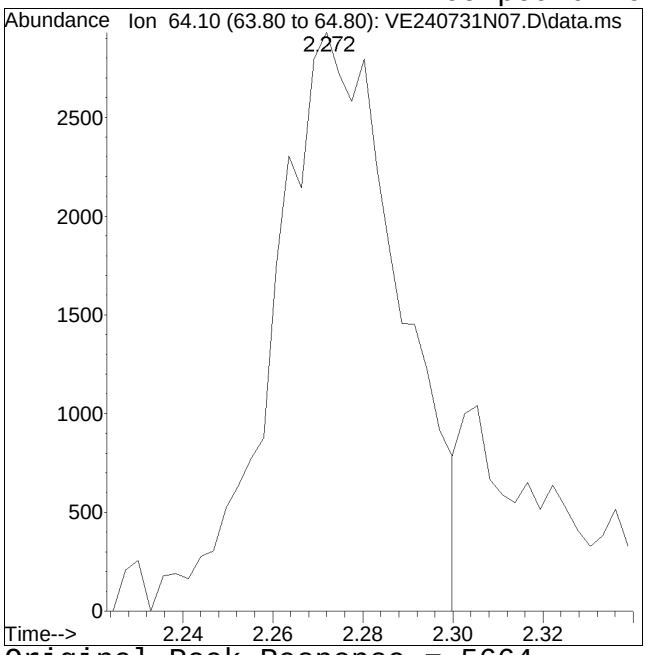
Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•



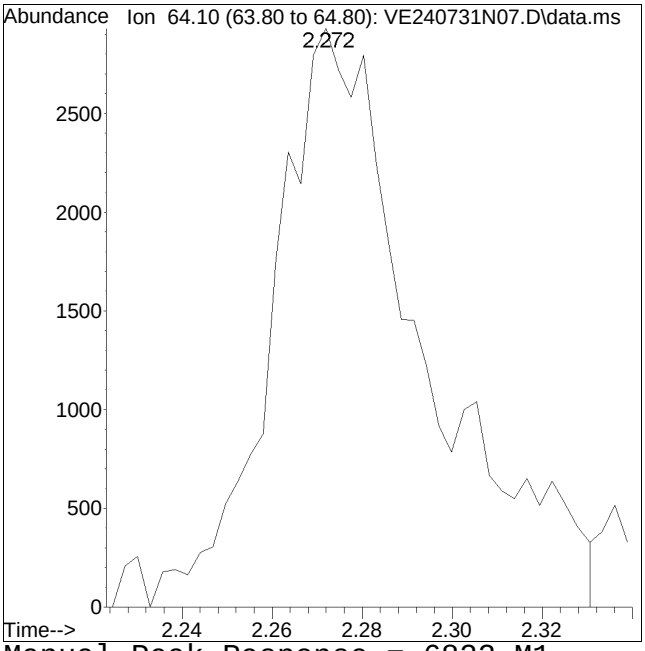
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #6: Chloroethane



Original Peak Response = 5664



Manual Peak Response = 6822 M1

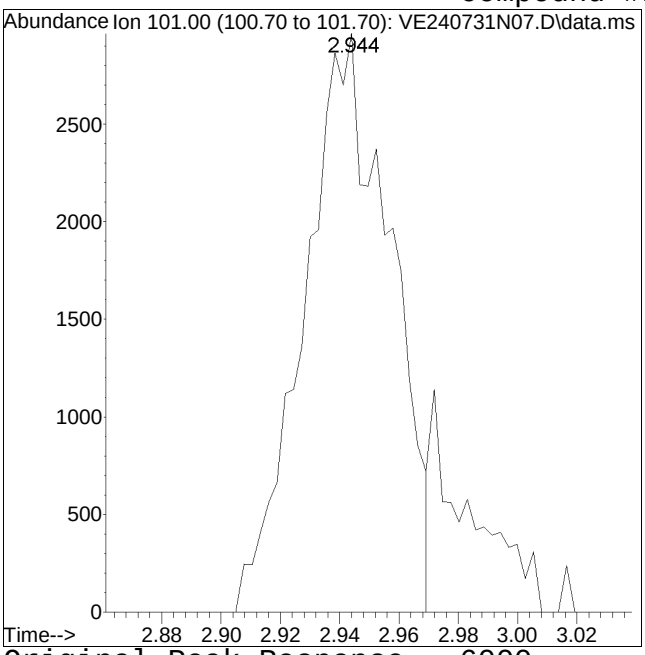
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

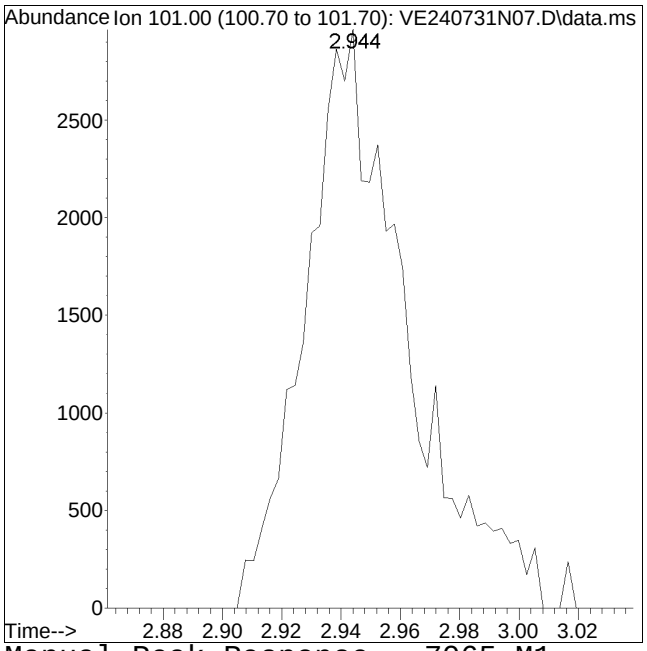
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N07.D
Date Inj'd : 7/31/2024 8:16 pm
Sample : I8260STD2PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #12: Freon-113



Original Peak Response = 6000



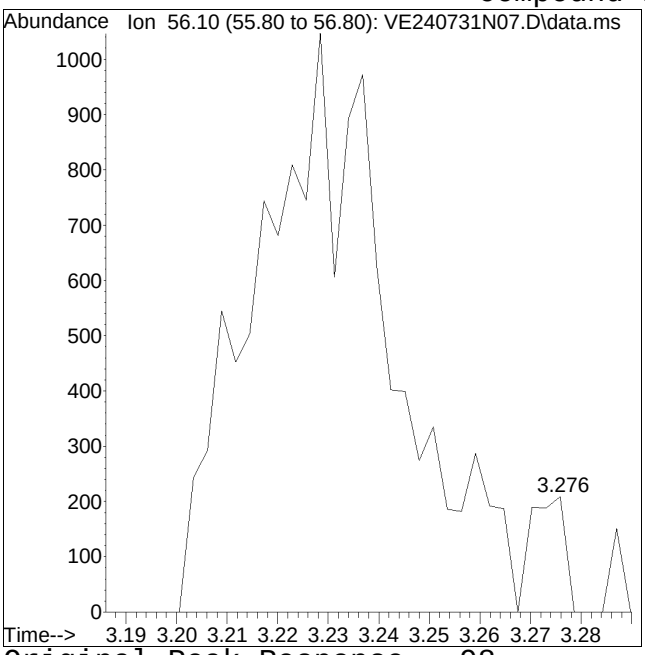
Manual Peak Response = 7065 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

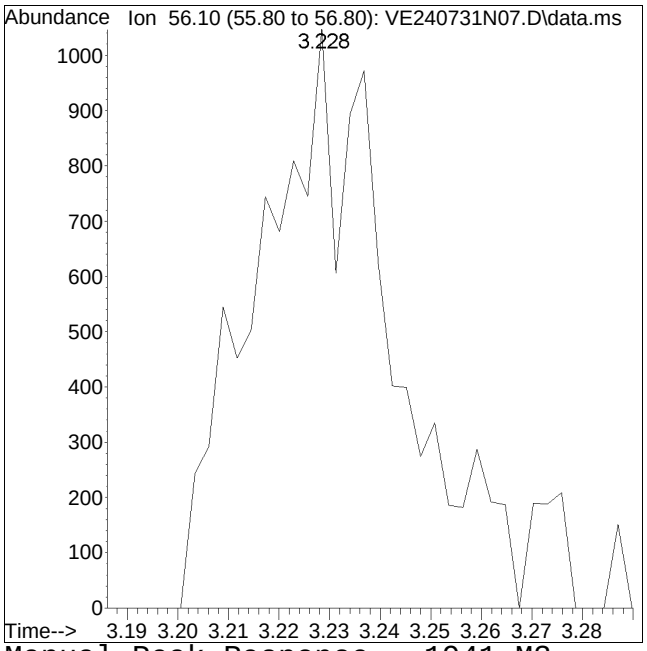
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #14: Acrolein



Original Peak Response = 98



Manual Peak Response = 1941 M3

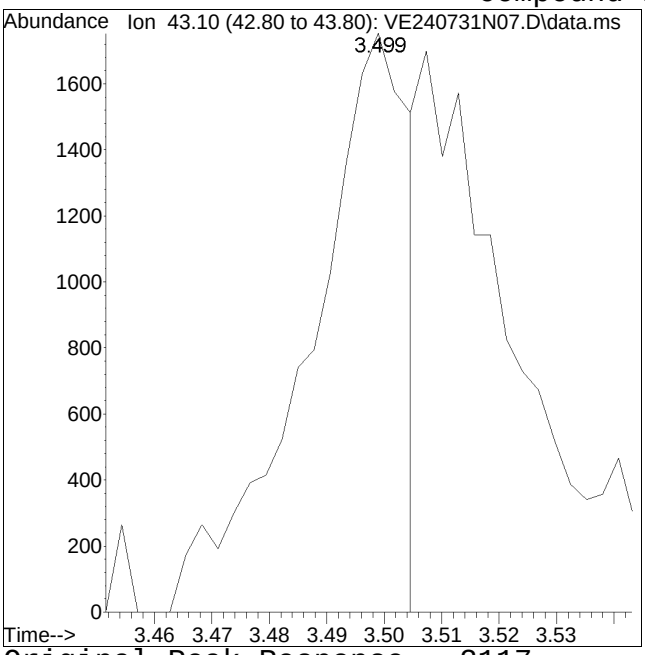
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

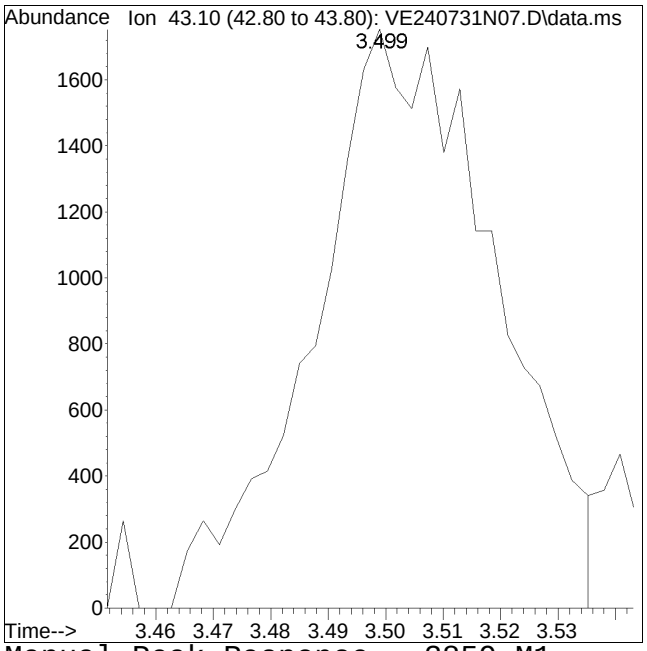
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N07.D
Date Inj'd : 7/31/2024 8:16 pm
Sample : I8260STD2PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #17: Acetone



Original Peak Response = 2117



Manual Peak Response = 3859 M1

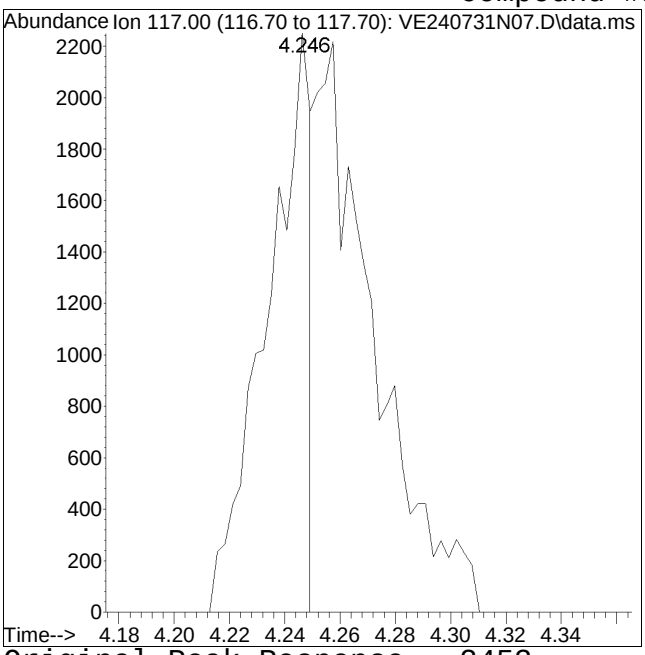
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

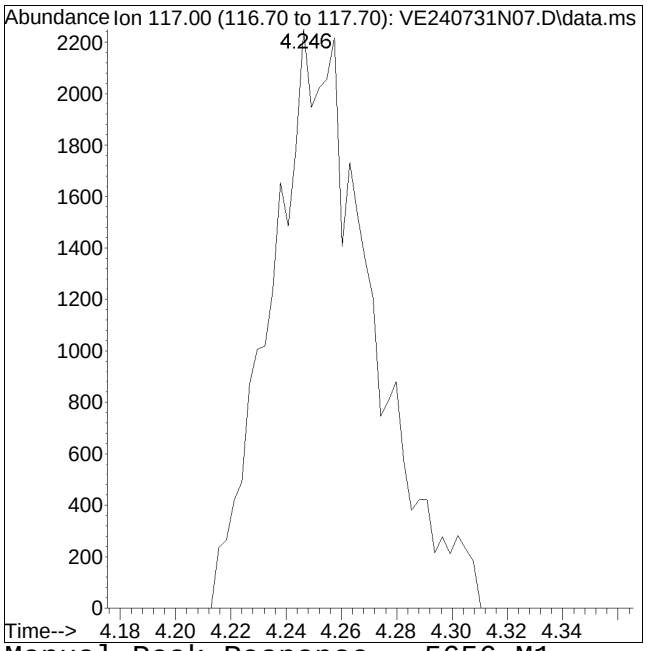
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N07.D
Date Inj'd : 7/31/2024 8:16 pm
Sample : I8260STD2PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #26: Halothane



Original Peak Response = 2453



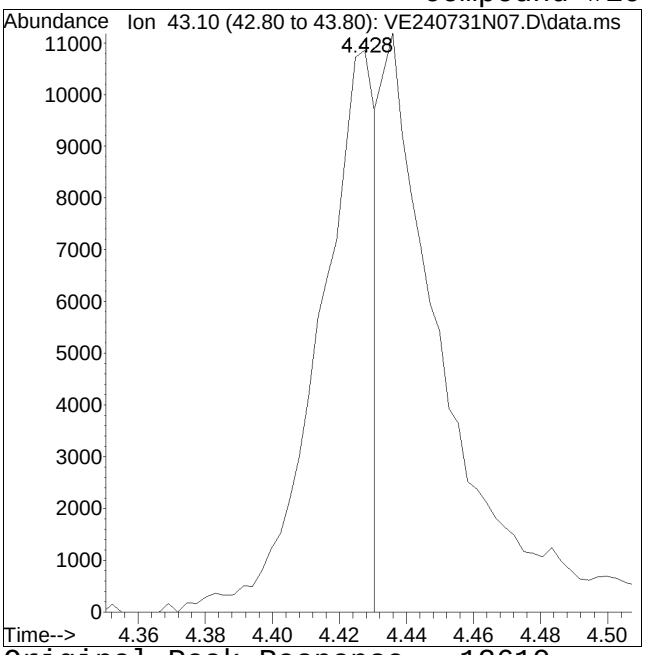
Manual Peak Response = 5656 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

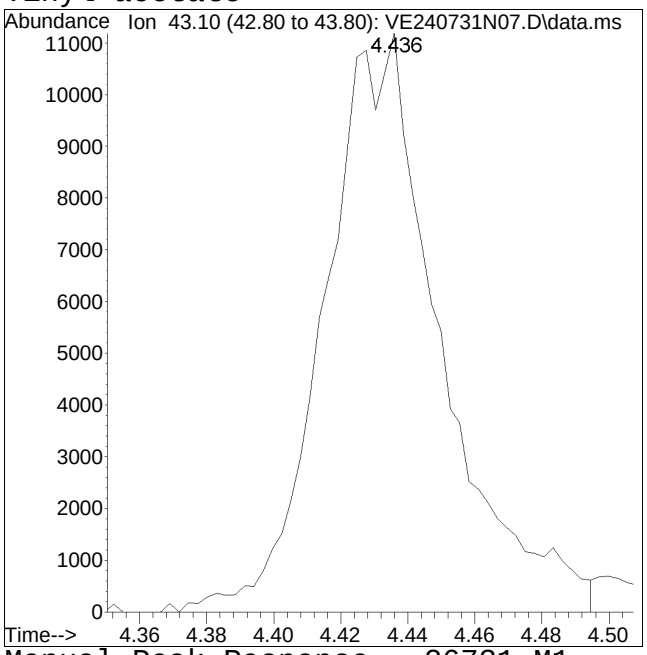
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #29: Vinyl acetate



Original Peak Response = 12610



Manual Peak Response = 26731 M1

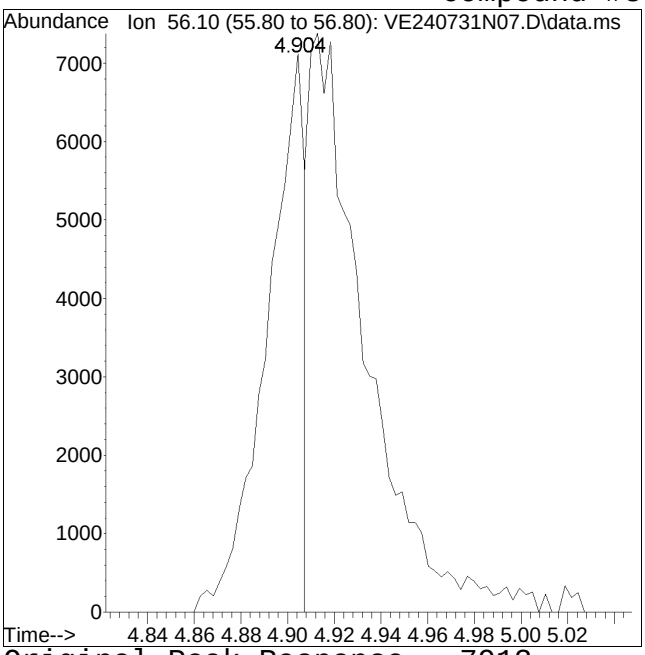
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

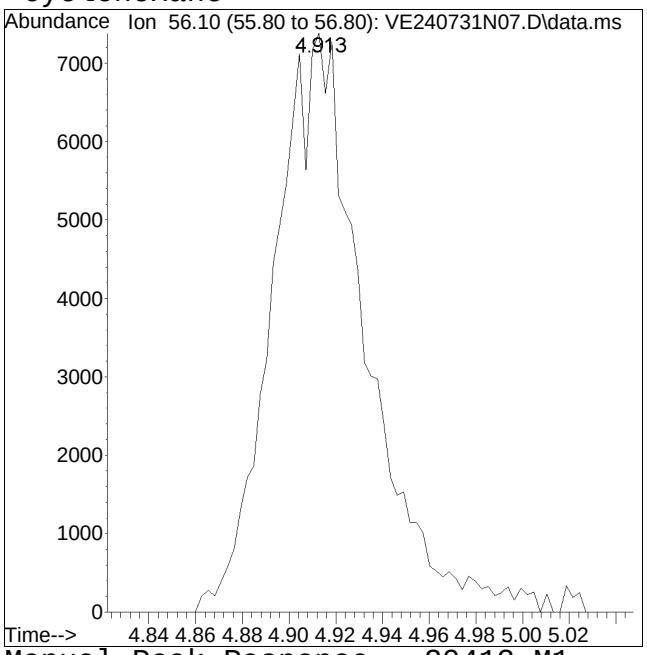
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N07.D
Date Inj'd : 7/31/2024 8:16 pm
Sample : I8260STD2PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #34: Cyclohexane



Original Peak Response = 7913



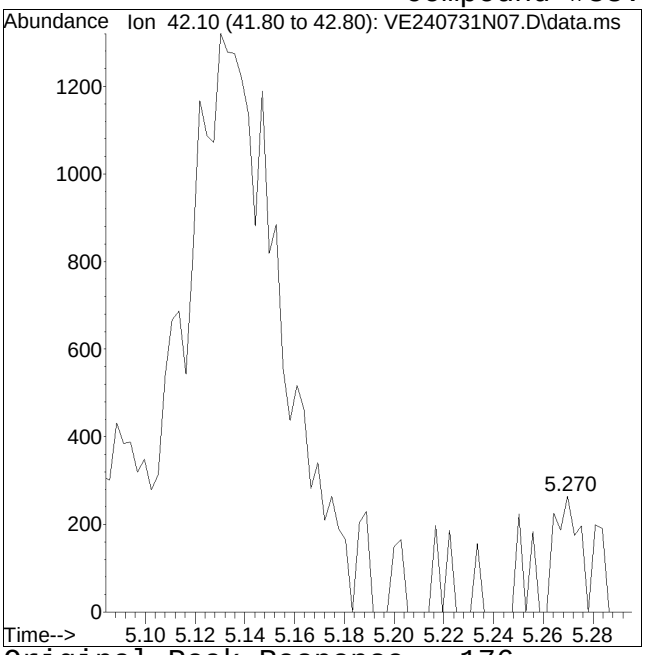
Manual Peak Response = 20412 M1

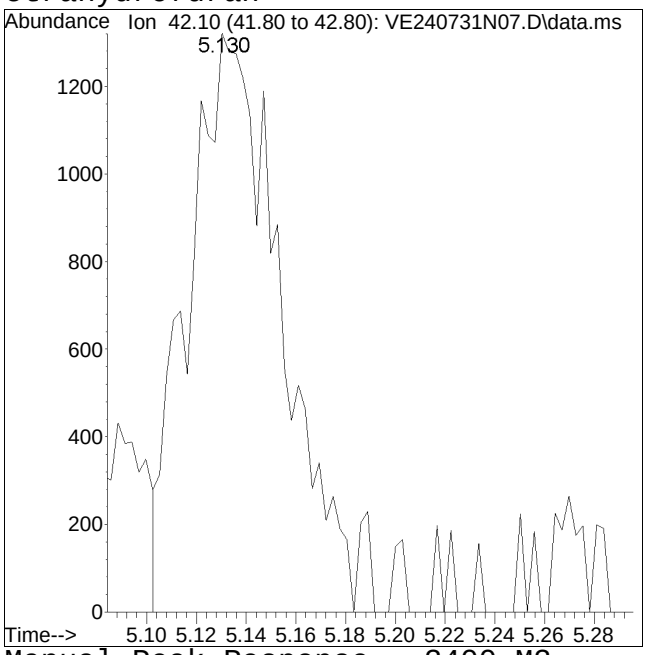
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran





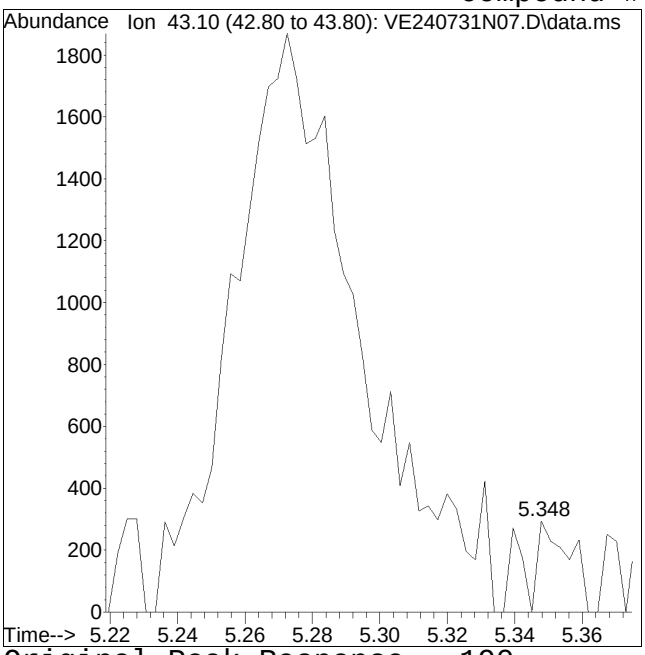
Original Peak Response = 176 Manual Peak Response = 3400 M3

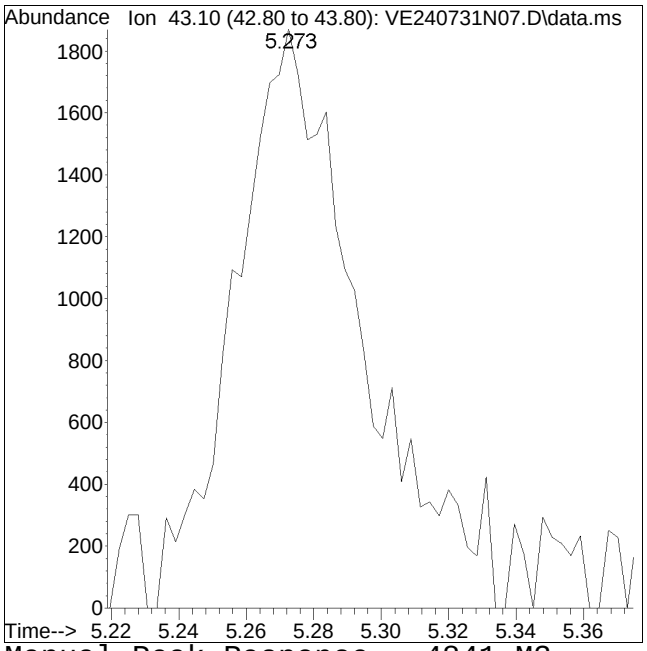
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #42: 2-Butanone





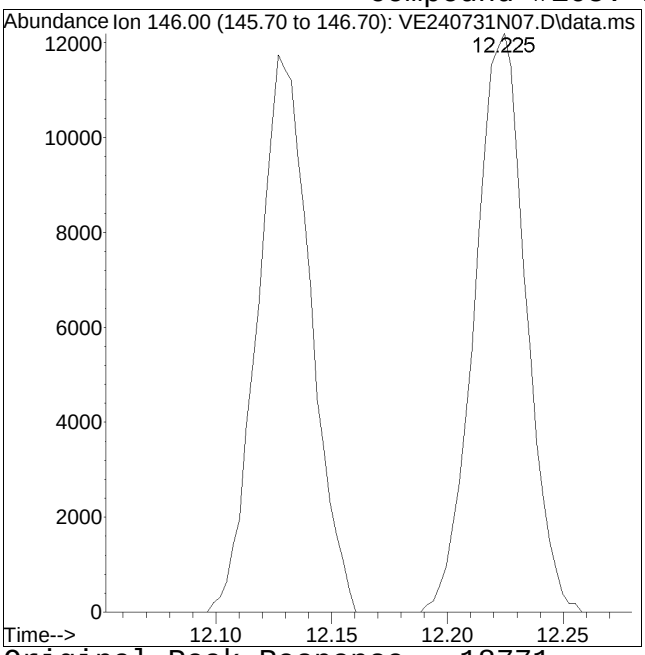
Original Peak Response = 190 Manual Peak Response = 4841 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

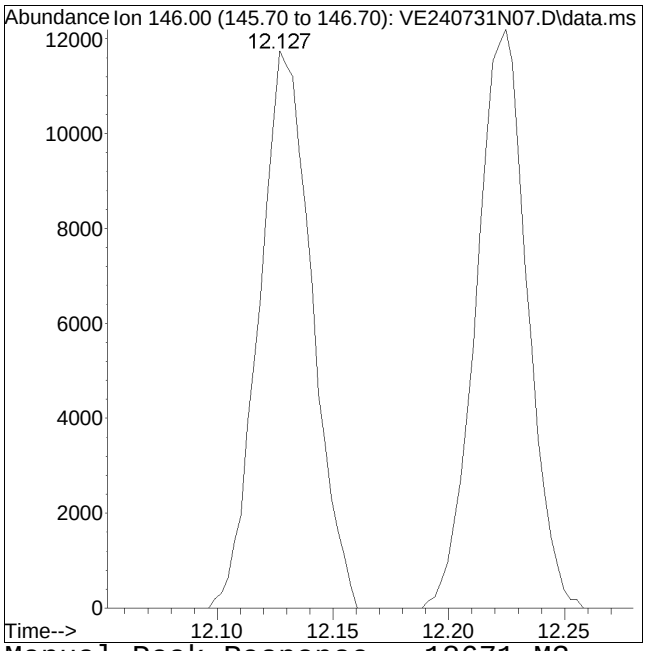
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N07.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:16 pm Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 8/1/2024 11:57 am

Compound #105: 1,3-Dichlorobenzene



Original Peak Response = 18771



Manual Peak Response = 18671 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N08.D
Acq On : 31 Jul 2024 8:42 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1954249
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 11:56:21 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 23 13:01:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.967	96	204581	10.000	ug/L	-0.11
Standard Area 1 = 204581			Recovery = 100.00%			
63) Chlorobenzene-d5	9.494	117	147756	10.000	ug/L	-0.12
Standard Area 1 = 147756			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.208	152	84505	10.000	ug/L	-0.10
Standard Area 1 = 84505			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.155	113	48680	10.071	ug/L	-0.10
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.71%			
47) 1,2-Dichloroethane-d4	5.680	65	64640	11.293	ug/L	-0.10
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.93%			
64) Toluene-d8	7.654	98	195456	10.248	ug/L	-0.11
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.48%			
88) 4-Bromofluorobenzene	10.995	95	78367	9.155	ug/L	-0.11
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.55%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	45066	10.341	ug/L	95
3) Chloromethane	1.789	50	53760	10.543	ug/L	96
4) Vinyl chloride	1.854	62	49777	10.843	ug/L	93
5) Bromomethane	2.160	94	11943	5.484	ug/L	97
6) Chloroethane	2.275	64	31423	12.949	ug/L	99
7) Trichlorofluoromethane	2.417	101	52002	9.781	ug/L	94
8) Ethyl ether	2.721	74	21677	12.265	ug/L	70
10) 1,1-Dichloroethene	2.905	96	31598	9.087	ug/L #	73
11) Carbon disulfide	2.933	76	103009	9.770	ug/L	96
12) Freon-113	2.938	101	33321M1	8.975	ug/L	
13) Iodomethane	3.042	142	17802	6.094	ug/L	90
14) Acrolein	3.226	56	9036	12.767	ug/L #	70
15) Methylene chloride	3.457	84	41711	9.623	ug/L	85
17) Acetone	3.504	43	14439	12.752	ug/L	95
18) trans-1,2-Dichloroethene	3.610	96	36183	9.609	ug/L	78
19) Methyl acetate	3.622	43	33745	13.642	ug/L	97
21) Methyl tert-butyl ether	3.711	73	138295	12.360	ug/L	95
22) tert-Butyl alcohol	3.806	59	24074	69.596	ug/L #	81
24) Diisopropyl ether	4.071	45	197488	12.583	ug/L	92
25) 1,1-Dichloroethane	4.193	63	86782	11.170	ug/L	96
26) Halothane	4.249	117	29017	9.517	ug/L	95

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N08.D
Acq On : 31 Jul 2024 8:42 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1954249
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 11:56:21 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 23 13:01:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.235	53	17977	15.263	ug/L		92
28) Ethyl tert-butyl ether	4.419	59	171389	11.890	ug/L		97
29) Vinyl acetate	4.430	43	113807	21.432	ug/L	#	94
30) cis-1,2-Dichloroethene	4.712	96	43236	9.861	ug/L		93
31) 2,2-Dichloropropane	4.812	77	55274	9.397	ug/L		96
33) Bromochloromethane	4.907	128	19592	10.285	ug/L		84
34) Cyclohexane	4.907	56	92383	10.659	ug/L		92
35) Chloroform	4.980	83	70787	9.942	ug/L		98
36) Ethyl acetate	5.088	43	53536	13.935	ug/L		97
37) Carbon tetrachloride	5.114	117	53227	9.425	ug/L		95
38) Tetrahydrofuran	5.127	42	16553M1	15.540	ug/L		
40) 1,1,1-Trichloroethane	5.180	97	63467	9.719	ug/L		95
42) 2-Butanone	5.275	43	21339	12.529	ug/L	#	90
43) 1,1-Dichloropropene	5.300	75	53283	9.911	ug/L		96
45) Benzene	5.543	78	171532	10.324	ug/L		92
46) tert-Amyl methyl ether	5.663	73	126640	10.776	ug/L		98
48) 1,2-Dichloroethane	5.752	62	65371	11.273	ug/L		95
51) Methyl cyclohexane	6.131	83	68206	9.257	ug/L		85
52) Trichloroethene	6.143	95	43027	9.068	ug/L		97
54) Dibromomethane	6.580	93	24484	10.201	ug/L	#	84
55) 1,2-Dichloropropane	6.686	63	51035	11.347	ug/L		98
57) 2-Chloroethyl vinyl ether	7.378	63	32060	12.970	ug/L		89
58) Bromodichloromethane	6.759	83	60227	10.235	ug/L		95
61) 1,4-Dioxane	6.971	88	19894	537.767	ug/L		87
62) cis-1,3-Dichloropropene	7.448	75	69674	10.183	ug/L		95
65) Toluene	7.710	92	105232	10.216	ug/L		93
66) 4-Methyl-2-pentanone	8.150	58	18333	13.376	ug/L		92
67) Tetrachloroethene	8.161	166	44641	10.701	ug/L		95
69) trans-1,3-Dichloropropene	8.195	75	61164	10.422	ug/L		99
71) Ethyl methacrylate	8.382	69	57150	12.437	ug/L		90
72) 1,1,2-Trichloroethane	8.385	83	30175	10.730	ug/L		99
73) Chlorodibromomethane	8.591	129	41583	10.106	ug/L		97
74) 1,3-Dichloropropane	8.705	76	63598	10.633	ug/L		97
75) 1,2-Dibromoethane	8.870	107	35086	10.324	ug/L		88
77) 2-Hexanone	9.151	43	34633	13.757	ug/L		96
78) Chlorobenzene	9.520	112	113340	10.114	ug/L	#	80
79) Ethylbenzene	9.556	91	208074	10.388	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.603	131	42343	10.608	ug/L		97
81) p/m Xylene	9.745	106	161846	21.186	ug/L		99
82) o Xylene	10.284	106	157536	21.096	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N08.D
Acq On : 31 Jul 2024 8:42 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1954249
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 11:56:21 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 23 13:01:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.353	104	261864	21.427	ug/L	99
85)	Bromoform	10.378	173	27962	10.670	ug/L	94
87)	Isopropylbenzene	10.671	105	206589	8.866	ug/L	97
89)	Bromobenzene	11.106	156	52794	9.847	ug/L	99
90)	n-Propylbenzene	11.151	91	248567	9.173	ug/L	96
91)	1,4-Dichlorobutane	11.168	55	90223	12.511	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.243	83	41654	10.363	ug/L	97
93)	4-Ethyltoluene	11.279	105	204854	9.166	ug/L	100
94)	2-Chlorotoluene	11.321	91	149060	9.239	ug/L	97
95)	1,3,5-Trimethylbenzene	11.377	105	181257	9.354	ug/L	97
96)	1,2,3-Trichloropropane	11.382	75	36413	9.806	ug/L	95
97)	trans-1,4-Dichloro-2-b...	11.430	53	17188	11.349	ug/L	88
98)	4-Chlorotoluene	11.502	91	154593	9.170	ug/L	99
99)	tert-Butylbenzene	11.717	119	149482	9.048	ug/L	98
102)	1,2,4-Trimethylbenzene	11.795	105	180087	9.233	ug/L	95
103)	sec-Butylbenzene	11.909	105	218386	9.091	ug/L	99
104)	p-Isopropyltoluene	12.063	119	185594	9.031	ug/L	96
105)	1,3-Dichlorobenzene	12.130	146	98794	9.599	ug/L	96
106)	1,4-Dichlorobenzene	12.225	146	97784	9.413	ug/L	99
107)	p-Diethylbenzene	12.439	119	110030	9.210	ug/L	98
108)	n-Butylbenzene	12.498	91	157868	9.276	ug/L	97
109)	1,2-Dichlorobenzene	12.646	146	94225	9.408	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.231	119	179730	9.214	ug/L	95
111)	1,2-Dibromo-3-chloropr...	13.429	155	7741	10.135	ug/L	92
112)	1,3,5-Trichlorobenzene	13.457	180	75211	10.551	ug/L	93
113)	Hexachlorobutadiene	14.034	225	24042	11.211	ug/L	90
114)	1,2,4-Trichlorobenzene	14.057	180	66652	10.420	ug/L	99
115)	Naphthalene	14.347	128	143235	9.075	ug/L	100
116)	1,2,3-Trichlorobenzene	14.517	180	60948	10.602	ug/L	96

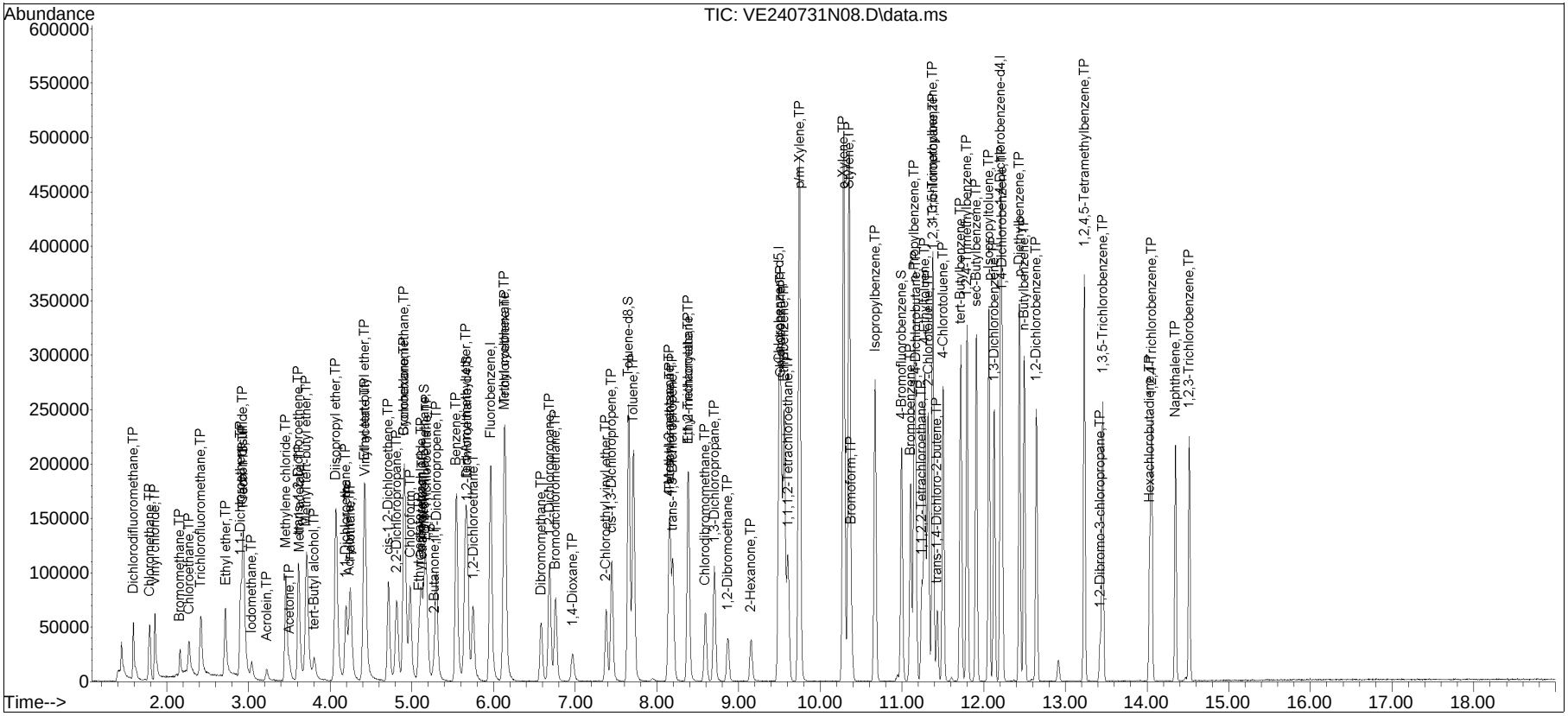
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N08.D
Acq On : 31 Jul 2024 8:42 pm
Operator : ELAINE:MKS
Sample : I8260STD10PPB
Misc : WG1954249
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 11:56:21 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 23 13:01:28 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

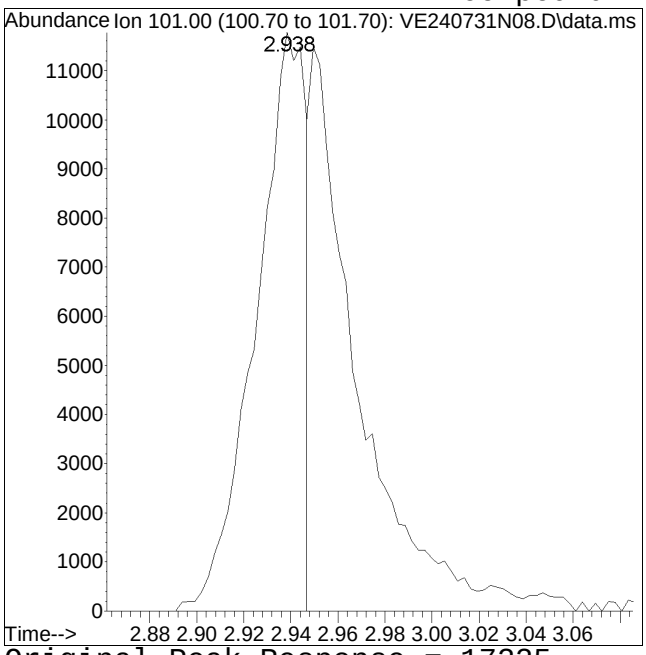


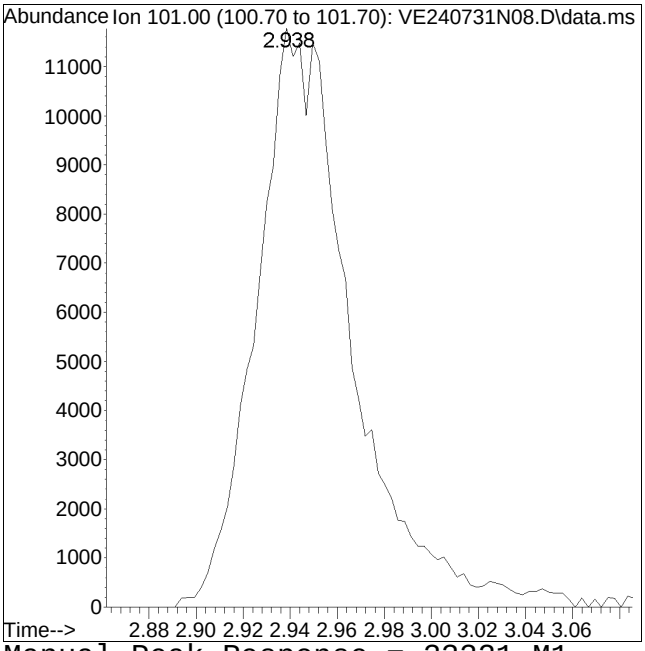
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N08.D
Date Inj'd : 7/31/2024 8:42 pm
Sample : I8260STD10PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:54 am

Compound #12: Freon-113





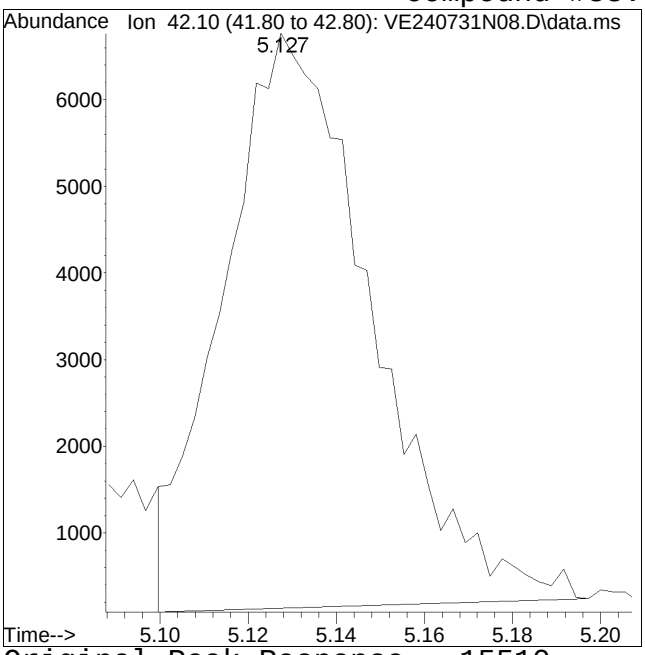
Original Peak Response = 17225 Manual Peak Response = 33321 M1

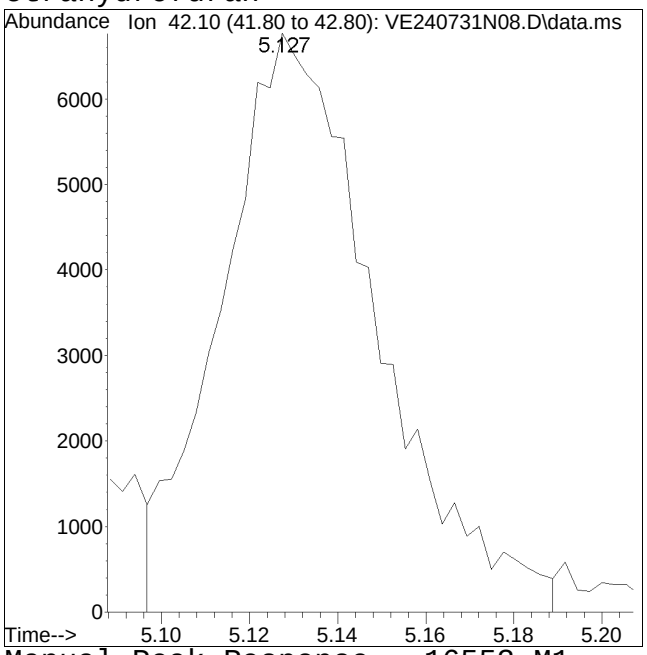
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N08.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 8:42 pm Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 8/1/2024 11:54 am

Compound #38: Tetrahydrofuran





Original Peak Response = 15510 Manual Peak Response = 16553 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N09.D
Acq On : 31 Jul 2024 9:07 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1954249
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:05:50 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.967	96	204403	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 99.91%			
63) Chlorobenzene-d5	9.500	117	149625	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 101.26%			
84) 1,4-Dichlorobenzene-d4	12.208	152	84874	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 100.44%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.156	113	47450	9.756	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.56%			
47) 1,2-Dichloroethane-d4	5.685	65	62257	9.640	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.40%			
64) Toluene-d8	7.657	98	196570	9.931	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.31%			
88) 4-Bromofluorobenzene	10.998	95	76337	9.699	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.99%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	149245	33.146	ug/L	96
3) Chloromethane	1.787	50	160207	29.826	ug/L	97
4) Vinyl chloride	1.854	62	161006	32.374	ug/L	96
5) Bromomethane	2.163	94	41058	34.408	ug/L	95
6) Chloroethane	2.272	64	92566	29.484	ug/L	100
7) Trichlorofluoromethane	2.417	101	178263	34.310	ug/L	97
8) Ethyl ether	2.718	74	68340	31.554	ug/L	75
10) 1,1-Dichloroethene	2.905	96	102934	32.604	ug/L	79
11) Carbon disulfide	2.933	76	320678	31.158	ug/L	96
12) Freon-113	2.941	101	108914	32.715	ug/L	86
13) Iodomethane	3.042	142	79903	44.923	ug/L	90
14) Acrolein	3.223	56	27320	30.261	ug/L #	65
15) Methylene chloride	3.460	84	123480	29.629	ug/L	87
17) Acetone	3.502	43	47292	32.781	ug/L	96
18) trans-1,2-Dichloroethene	3.611	96	110330	30.519	ug/L	78
19) Methyl acetate	3.619	43	98711	29.278	ug/L	96
21) Methyl tert-butyl ether	3.711	73	405204	29.325	ug/L	95
22) tert-Butyl alcohol	3.806	59	73709	153.222	ug/L	91
24) Diisopropyl ether	4.071	45	603714	30.596	ug/L	91
25) 1,1-Dichloroethane	4.196	63	260295	30.020	ug/L	92
26) Halothane	4.255	117	90214	31.117	ug/L	94

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N09.D
Acq On : 31 Jul 2024 9:07 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1954249
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:05:50 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.238	53	54373	30.272	ug/L		90
28) Ethyl tert-butyl ether	4.419	59	513557	29.991	ug/L		97
29) Vinyl acetate	4.430	43	337157	29.651	ug/L	#	94
30) cis-1,2-Dichloroethene	4.712	96	127517	29.519	ug/L		93
31) 2,2-Dichloropropane	4.813	77	173960	31.500	ug/L		97
33) Bromochloromethane	4.907	128	58968	30.124	ug/L		88
34) Cyclohexane	4.910	56	305150	33.060	ug/L		96
35) Chloroform	4.980	83	205797	29.098	ug/L		98
36) Ethyl acetate	5.086	43	156227	29.207	ug/L		96
37) Carbon tetrachloride	5.114	117	168502	31.685	ug/L		94
38) Tetrahydrofuran	5.128	42	49298M1	29.808	ug/L		
40) 1,1,1-Trichloroethane	5.178	97	193545	30.522	ug/L		96
42) 2-Butanone	5.267	43	64303	30.160	ug/L		96
43) 1,1-Dichloropropene	5.301	75	165534	31.094	ug/L		95
45) Benzene	5.546	78	514522	30.022	ug/L		92
46) tert-Amyl methyl ether	5.657	73	381559	30.156	ug/L		97
48) 1,2-Dichloroethane	5.752	62	192313	29.444	ug/L		98
51) Methyl cyclohexane	6.132	83	223375	32.779	ug/L		84
52) Trichloroethene	6.143	95	132908	30.916	ug/L		97
54) Dibromomethane	6.583	93	73052	29.863	ug/L	#	84
55) 1,2-Dichloropropane	6.686	63	152088	29.827	ug/L		98
57) 2-Chloroethyl vinyl ether	7.378	63	99727	31.133	ug/L		89
58) Bromodichloromethane	6.762	83	176926	29.402	ug/L		92
61) 1,4-Dioxane	6.971	88	23357	587.548	ug/L		86
62) cis-1,3-Dichloropropene	7.448	75	211389	30.366	ug/L		95
65) Toluene	7.713	92	319096	29.944	ug/L		94
66) 4-Methyl-2-pentanone	8.148	58	55773	30.042	ug/L		93
67) Tetrachloroethene	8.159	166	139900	30.947	ug/L		95
69) trans-1,3-Dichloropropene	8.198	75	188733	30.471	ug/L		99
71) Ethyl methacrylate	8.385	69	169809	29.342	ug/L		91
72) 1,1,2-Trichloroethane	8.382	83	90229	29.528	ug/L		100
73) Chlorodibromomethane	8.594	129	127142	30.194	ug/L		97
74) 1,3-Dichloropropane	8.705	76	192488	29.888	ug/L		97
75) 1,2-Dibromoethane	8.867	107	106125	29.869	ug/L		88
77) 2-Hexanone	9.152	43	104812	29.886	ug/L		98
78) Chlorobenzene	9.520	112	339097	29.545	ug/L	#	80
79) Ethylbenzene	9.556	91	625293	29.676	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.606	131	128406	29.946	ug/L		97
81) p/m Xylene	9.743	106	480185	58.597	ug/L		99
82) o Xylene	10.284	106	463412	58.098	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N09.D
Acq On : 31 Jul 2024 9:07 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1954249
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:05:50 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.354	104	770256	58.094	ug/L		100
85) Bromoform	10.376	173	85058	30.287	ug/L		93
87) Isopropylbenzene	10.671	105	629312	30.330	ug/L		97
89) Bromobenzene	11.106	156	155787	29.380	ug/L		98
90) n-Propylbenzene	11.151	91	751510	30.102	ug/L		96
91) 1,4-Dichlorobutane	11.168	55	266291	29.386	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.240	83	124080	29.659	ug/L		97
93) 4-Ethyltoluene	11.279	105	611178	29.705	ug/L		99
94) 2-Chlorotoluene	11.318	91	437659	29.234	ug/L		97
95) 1,3,5-Trimethylbenzene	11.377	105	537259	29.512	ug/L		98
96) 1,2,3-Trichloropropane	11.380	75	107348	29.353	ug/L		94
97) trans-1,4-Dichloro-2-b...	11.430	53	51127	29.616	ug/L	#	84
98) 4-Chlorotoluene	11.502	91	457411	29.459	ug/L		99
99) tert-Butylbenzene	11.720	119	448526	29.875	ug/L		98
102) 1,2,4-Trimethylbenzene	11.795	105	535558	29.610	ug/L		95
103) sec-Butylbenzene	11.910	105	663673	30.258	ug/L		99
104) p-Isopropyltoluene	12.063	119	568430	30.494	ug/L		96
105) 1,3-Dichlorobenzene	12.130	146	291786	29.406	ug/L		96
106) 1,4-Dichlorobenzene	12.225	146	291447	29.676	ug/L		99
107) p-Diethylbenzene	12.439	119	335133	30.326	ug/L		97
108) n-Butylbenzene	12.495	91	481406	30.362	ug/L		97
109) 1,2-Dichlorobenzene	12.646	146	282170	29.816	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.231	119	538890	29.853	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.427	155	23835	30.657	ug/L		92
112) 1,3,5-Trichlorobenzene	13.457	180	224773	29.756	ug/L		93
113) Hexachlorobutadiene	14.032	225	74680	30.927	ug/L		92
114) 1,2,4-Trichlorobenzene	14.054	180	202950	30.317	ug/L		99
115) Naphthalene	14.347	128	444851	30.922	ug/L		100
116) 1,2,3-Trichlorobenzene	14.517	180	185426	30.291	ug/L		95

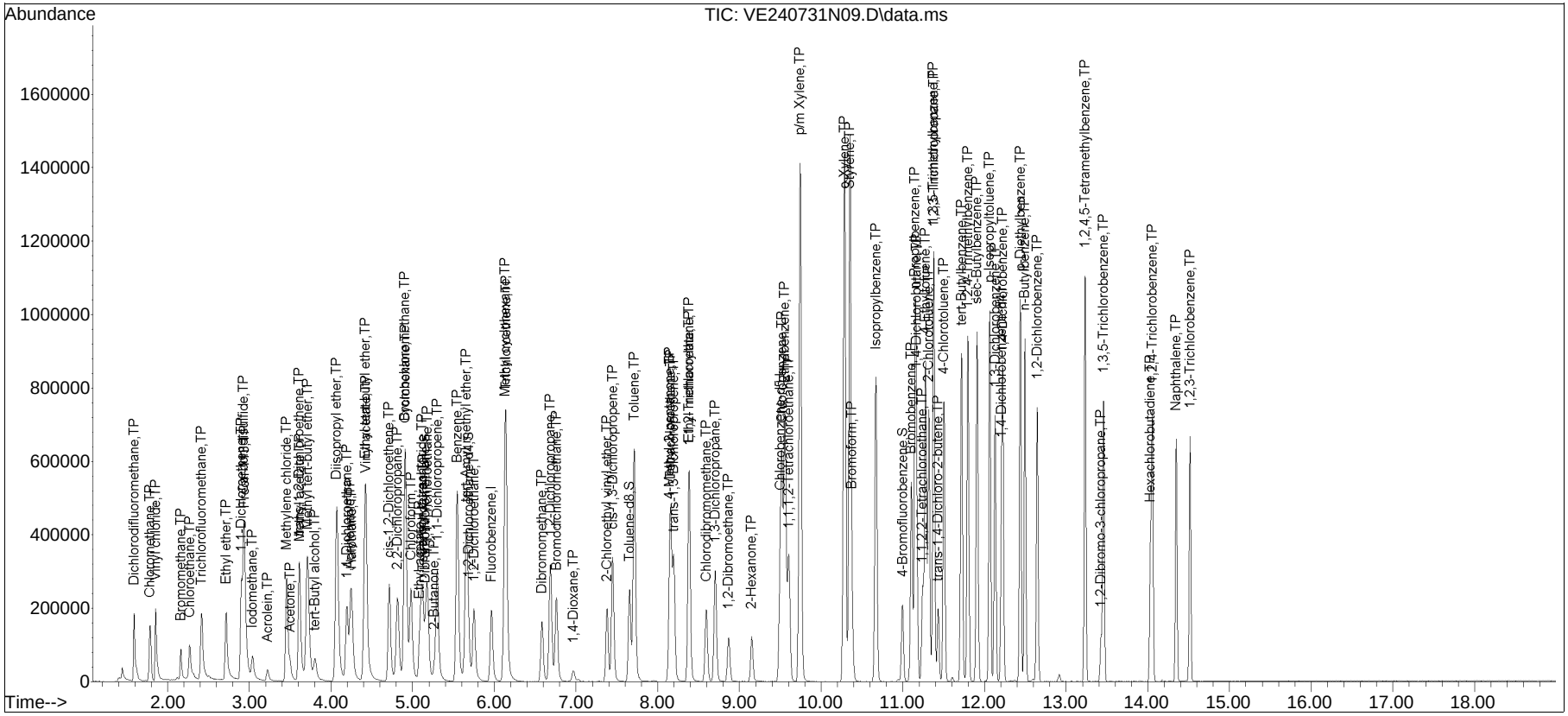
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N09.D
Acq On : 31 Jul 2024 9:07 pm
Operator : ELAINE:MKS
Sample : I8260STD30PPB
Misc : WG1954249
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:05:50 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

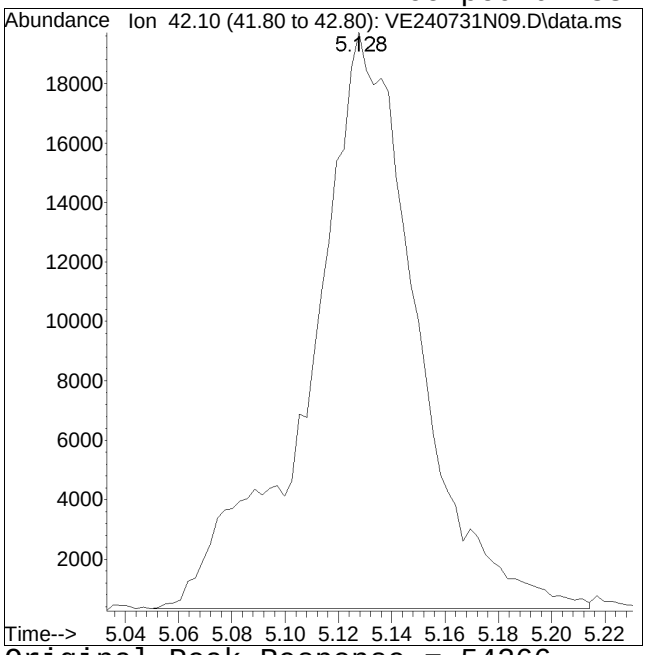


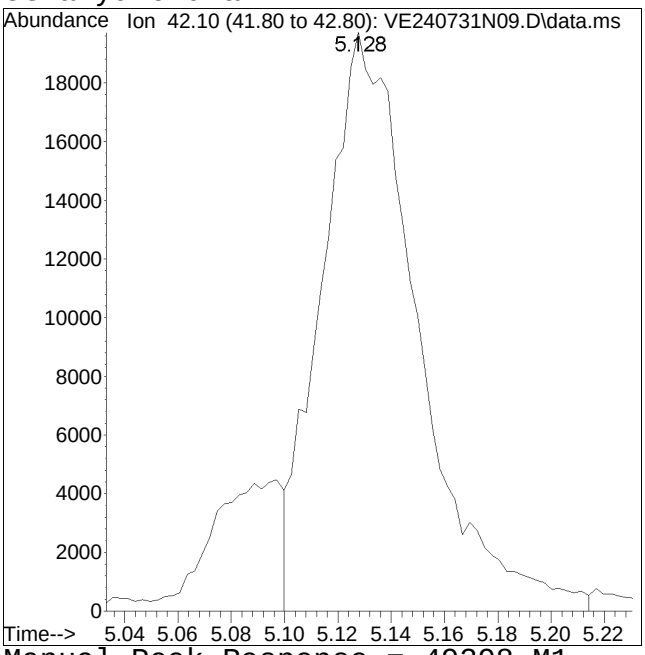
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N09.D
Date Inj'd : 7/31/2024 9:07 pm
Sample : I8260STD30PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran





Original Peak Response = 54266 Manual Peak Response = 49298 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N10.D
Acq On : 31 Jul 2024 9:32 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1954249
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 12:06:26 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.964	96	205552	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 100.47%			
63) Chlorobenzene-d5	9.497	117	153791	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 104.08%			
84) 1,4-Dichlorobenzene-d4	12.211	152	85405	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 101.07%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.155	113	47510	9.714	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.14%			
47) 1,2-Dichloroethane-d4	5.680	65	63482	9.774	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.74%			
64) Toluene-d8	7.654	98	201166	9.888	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.88%			
88) 4-Bromofluorobenzene	10.995	95	78835	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	398777	88.069	ug/L	96
3) Chloromethane	1.787	50	425203	78.719	ug/L	96
4) Vinyl chloride	1.854	62	427307	85.439	ug/L	94
5) Bromomethane	2.163	94	137967	114.976	ug/L	94
6) Chloroethane	2.266	64	251474	79.651	ug/L	87
7) Trichlorofluoromethane	2.417	101	483684	92.573	ug/L	95
8) Ethyl ether	2.718	74	182990	84.018	ug/L	73
10) 1,1-Dichloroethene	2.902	96	279624	88.076	ug/L	79
11) Carbon disulfide	2.933	76	849801	82.108	ug/L	96
12) Freon-113	2.944	101	292977	87.510	ug/L	88
13) Iodomethane	3.039	142	267444	149.523	ug/L	92
14) Acrolein	3.223	56	74031	81.542	ug/L #	70
15) Methylene chloride	3.460	84	324549	77.441	ug/L	87
17) Acetone	3.502	43	116076	80.011	ug/L	99
18) trans-1,2-Dichloroethene	3.611	96	301708	82.990	ug/L	81
19) Methyl acetate	3.622	43	256155	75.550	ug/L	97
21) Methyl tert-butyl ether	3.711	73	1080950	77.793	ug/L	95
22) tert-Butyl alcohol	3.806	59	192001	396.889	ug/L	90
24) Diisopropyl ether	4.071	45	1579187	79.586	ug/L	91
25) 1,1-Dichloroethane	4.193	63	690552	79.197	ug/L	97
26) Halothane	4.249	117	237954	81.618	ug/L	93

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N10.D
Acq On : 31 Jul 2024 9:32 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1954249
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 12:06:26 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.238	53	143107	79.230	ug/L		91
28) Ethyl tert-butyl ether	4.419	59	1358577	78.894	ug/L		97
29) Vinyl acetate	4.428	43	844268	73.834	ug/L	#	95
30) cis-1,2-Dichloroethene	4.715	96	352546	81.155	ug/L		97
31) 2,2-Dichloropropane	4.815	77	456698	82.234	ug/L		98
33) Bromochloromethane	4.904	128	149382	75.886	ug/L		87
34) Cyclohexane	4.910	56	818733	88.205	ug/L		97
35) Chloroform	4.980	83	557889	78.440	ug/L		98
36) Ethyl acetate	5.086	43	409173	76.068	ug/L		95
37) Carbon tetrachloride	5.114	117	452565	84.624	ug/L		95
38) Tetrahydrofuran	5.128	42	127579M1	76.709	ug/L		
40) 1,1,1-Trichloroethane	5.181	97	517219	81.109	ug/L		95
42) 2-Butanone	5.267	43	170745	79.637	ug/L	#	76
43) 1,1-Dichloropropene	5.300	75	445417	83.200	ug/L		95
45) Benzene	5.546	78	1372838	79.656	ug/L		93
46) tert-Amyl methyl ether	5.657	73	1003985	78.904	ug/L		97
48) 1,2-Dichloroethane	5.749	62	510065	77.658	ug/L		97
51) Methyl cyclohexane	6.131	83	634905	92.647	ug/L		87
52) Trichloroethene	6.143	95	354708	82.049	ug/L		97
54) Dibromomethane	6.583	93	194273	78.972	ug/L	#	84
55) 1,2-Dichloropropane	6.684	63	405164	79.014	ug/L		98
57) 2-Chloroethyl vinyl ether	7.381	63	275108	85.405	ug/L		92
58) Bromodichloromethane	6.759	83	477315	78.878	ug/L		93
61) 1,4-Dioxane	6.968	88	30991	775.224	ug/L		88
62) cis-1,3-Dichloropropene	7.448	75	566751	80.959	ug/L		95
65) Toluene	7.715	92	857485	78.288	ug/L		94
66) 4-Methyl-2-pentanone	8.145	58	150511	78.877	ug/L		91
67) Tetrachloroethene	8.162	166	378641	81.491	ug/L		96
69) trans-1,3-Dichloropropene	8.198	75	501573	78.787	ug/L		98
71) Ethyl methacrylate	8.385	69	451462	75.896	ug/L		91
72) 1,1,2-Trichloroethane	8.382	83	237889	75.743	ug/L		99
73) Chlorodibromomethane	8.594	129	340620	78.699	ug/L		98
74) 1,3-Dichloropropane	8.703	76	507269	76.632	ug/L		97
75) 1,2-Dibromoethane	8.870	107	281759	77.154	ug/L		87
77) 2-Hexanone	9.152	43	277176	76.892	ug/L		98
78) Chlorobenzene	9.520	112	906237	76.820	ug/L	#	81
79) Ethylbenzene	9.559	91	1664160	76.841	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.603	131	340057	77.159	ug/L		97
81) p/m Xylene	9.746	106	1254976	148.997	ug/L		98
82) o Xylene	10.287	106	1224130	149.311	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N10.D
Acq On : 31 Jul 2024 9:32 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1954249
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 12:06:26 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.353	104	2011221	147.580	ug/L		100
85) Bromoform	10.381	173	228150	80.733	ug/L		94
87) Isopropylbenzene	10.671	105	1691278	81.004	ug/L		97
89) Bromobenzene	11.106	156	418818	78.495	ug/L		98
90) n-Propylbenzene	11.154	91	2013910	80.167	ug/L		97
91) 1,4-Dichlorobutane	11.171	55	698575	76.612	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.243	83	331120	78.655	ug/L		97
93) 4-Ethyltoluene	11.279	105	1639001	79.165	ug/L		100
94) 2-Chlorotoluene	11.321	91	1160531M1	77.036	ug/L		
95) 1,3,5-Trimethylbenzene	11.380	105	1427143	77.906	ug/L		98
96) 1,2,3-Trichloropropane	11.382	75	282589	76.789	ug/L		95
97) trans-1,4-Dichloro-2-b...	11.433	53	141551	81.487	ug/L	#	81
98) 4-Chlorotoluene	11.505	91	1219919	78.080	ug/L		99
99) tert-Butylbenzene	11.720	119	1215335	80.446	ug/L		98
102) 1,2,4-Trimethylbenzene	11.798	105	1435491	78.871	ug/L		96
103) sec-Butylbenzene	11.912	105	1806280	81.839	ug/L		99
104) p-Isopropyltoluene	12.066	119	1543039	82.264	ug/L		97
105) 1,3-Dichlorobenzene	12.130	146	775535	77.673	ug/L		96
106) 1,4-Dichlorobenzene	12.225	146	777852	78.710	ug/L		99
107) p-Diethylbenzene	12.439	119	912031	82.016	ug/L		96
108) n-Butylbenzene	12.495	91	1330681	83.402	ug/L		97
109) 1,2-Dichlorobenzene	12.646	146	747610	78.507	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.231	119	1438355	79.185	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.427	155	64007	81.814	ug/L		94
112) 1,3,5-Trichlorobenzene	13.457	180	600411	78.989	ug/L		93
113) Hexachlorobutadiene	14.032	225	199869	82.257	ug/L		92
114) 1,2,4-Trichlorobenzene	14.057	180	550611	81.739	ug/L		99
115) Naphthalene	14.347	128	1227574	84.800	ug/L		100
116) 1,2,3-Trichlorobenzene	14.514	180	512444	83.193	ug/L		95

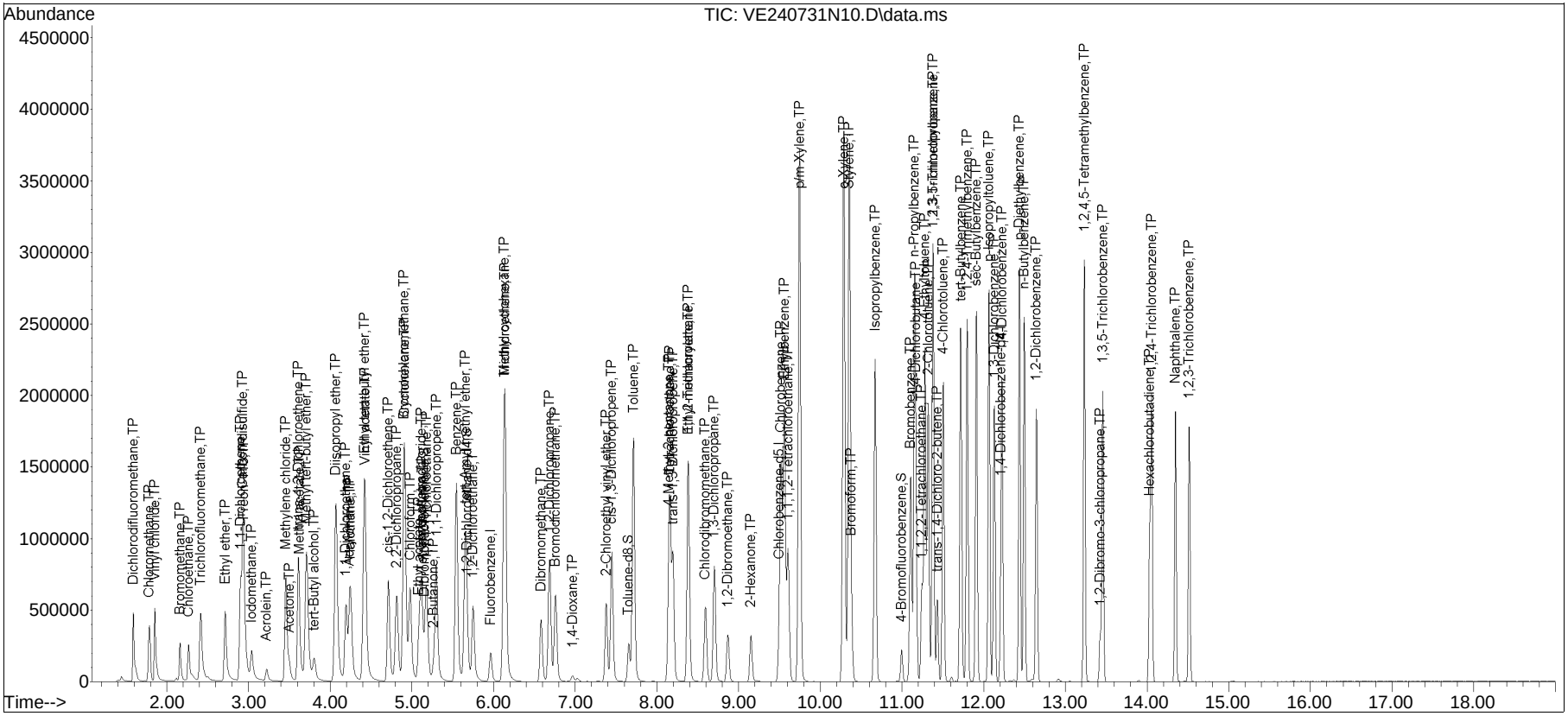
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N10.D
Acq On : 31 Jul 2024 9:32 pm
Operator : ELAINE:MKS
Sample : I8260STD80PPB
Misc : WG1954249
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 12:06:26 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

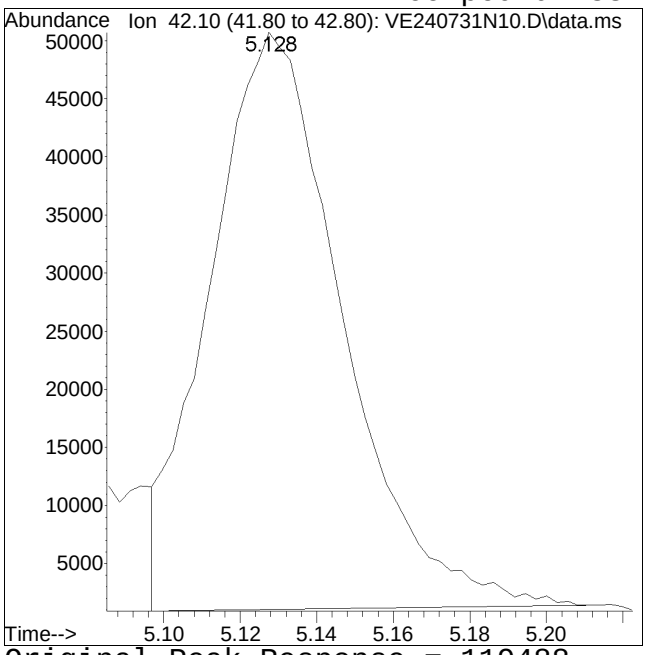
Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

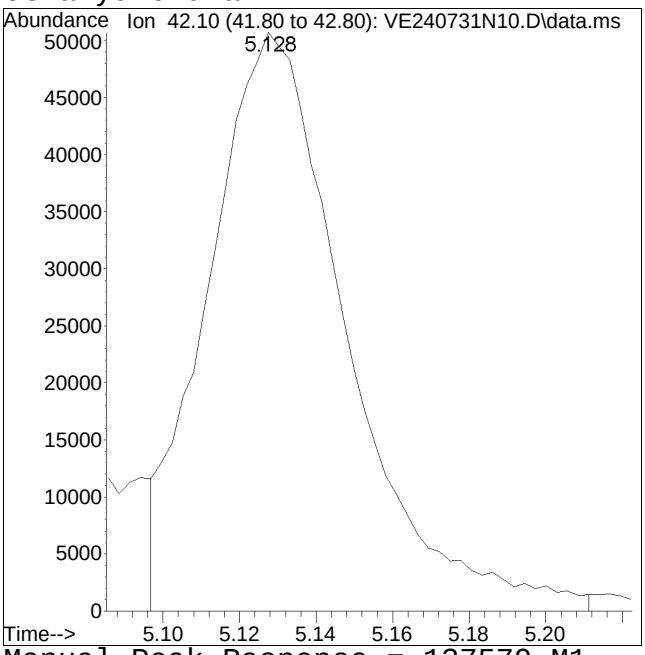


Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N10.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 9:32 pm Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran





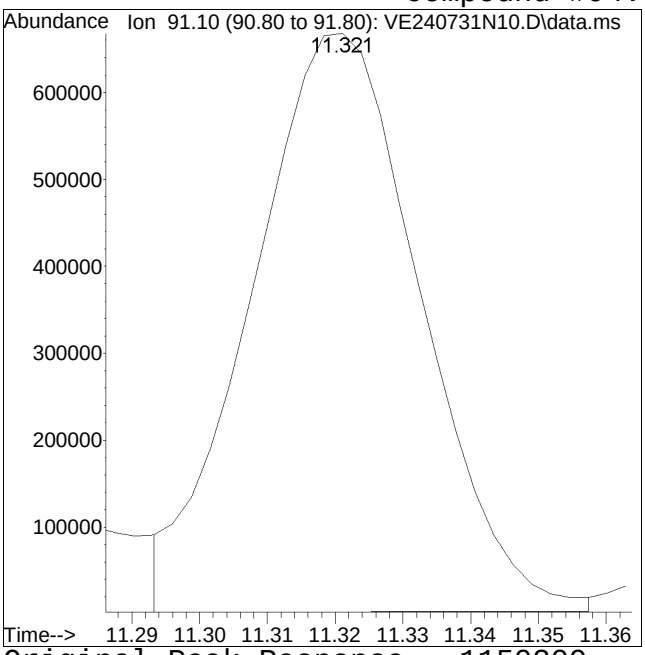
Original Peak Response = 119488 Manual Peak Response = 127579 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

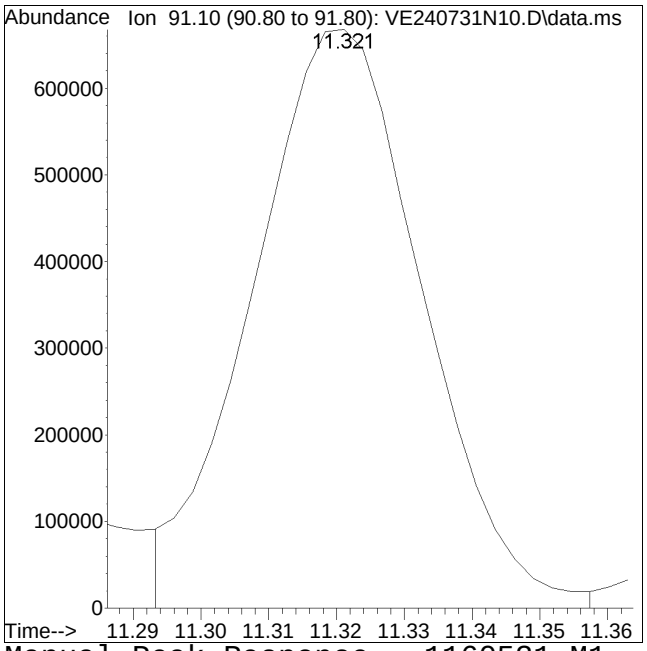
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N10.D
Date Inj'd : 7/31/2024 9:32 pm
Sample : I8260STD80PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 1150209



Manual Peak Response = 1160531 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N11.D
Acq On : 31 Jul 2024 9:57 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1954249
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:07:05 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.964	96	212189	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 103.72%			
63) Chlorobenzene-d5	9.497	117	156001	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 105.58%			
84) 1,4-Dichlorobenzene-d4	12.208	152	84877	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 100.44%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.158	113	47539	9.415	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.15%			
47) 1,2-Dichloroethane-d4	5.680	65	63246	9.434	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.34%			
64) Toluene-d8	7.654	98	206007	9.983	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.83%			
88) 4-Bromofluorobenzene	10.995	95	79943	10.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.56%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.591	85	621695	133.006	ug/L	96
3) Chloromethane	1.787	50	661240	118.588	ug/L	96
4) Vinyl chloride	1.854	62	675555	130.850	ug/L	95
5) Bromomethane	2.163	94	241549	195.000	ug/L	96
6) Chloroethane	2.264	64	366944M1	112.589	ug/L	
7) Trichlorofluoromethane	2.414	101	749914	139.038	ug/L	95
8) Ethyl ether	2.715	74	274710	122.185	ug/L	71
10) 1,1-Dichloroethene	2.902	96	432970	132.112	ug/L #	77
11) Carbon disulfide	2.930	76	1302644	121.925	ug/L	96
12) Freon-113	2.941	101	466342	134.936	ug/L	89
13) Iodomethane	3.039	142	437611	237.007	ug/L	92
14) Acrolein	3.223	56	117858	125.755	ug/L #	71
15) Methylene chloride	3.457	84	496205	114.697	ug/L	88
17) Acetone	3.502	43	165824	110.727	ug/L	99
18) trans-1,2-Dichloroethene	3.610	96	460682	122.755	ug/L	80
19) Methyl acetate	3.619	43	388572	111.021	ug/L	98
21) Methyl tert-butyl ether	3.714	73	1643799	114.600	ug/L	95
22) tert-Butyl alcohol	3.806	59	291372	583.461	ug/L	87
24) Diisopropyl ether	4.071	45	2382897	116.334	ug/L	91
25) 1,1-Dichloroethane	4.193	63	1040719	115.624	ug/L	98
26) Halothane	4.249	117	364896	121.244	ug/L	93

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N11.D
Acq On : 31 Jul 2024 9:57 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1954249
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:07:05 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.235	53	217765	116.792	ug/L		92
28) Ethyl tert-butyl ether	4.419	59	2065717	116.206	ug/L		87
29) Vinyl acetate	4.430	43	1705877	144.518	ug/L	#	96
30) cis-1,2-Dichloroethene	4.715	96	538397	120.060	ug/L		98
31) 2,2-Dichloropropane	4.815	77	711165	124.049	ug/L		98
33) Bromochloromethane	4.904	128	219330	107.935	ug/L		84
34) Cyclohexane	4.910	56	1269361	132.475	ug/L		98
35) Chloroform	4.980	83	848229	115.532	ug/L		98
36) Ethyl acetate	5.086	43	617701	111.244	ug/L		95
37) Carbon tetrachloride	5.116	117	710348	128.671	ug/L		95
38) Tetrahydrofuran	5.130	42	189666M1	110.473	ug/L		
40) 1,1,1-Trichloroethane	5.180	97	801432	121.748	ug/L		95
42) 2-Butanone	5.267	43	253892	114.714	ug/L	#	78
43) 1,1-Dichloropropene	5.300	75	691130	125.059	ug/L		96
45) Benzene	5.546	78	2099718	118.021	ug/L		93
46) tert-Amyl methyl ether	5.657	73	1544881	117.616	ug/L		97
48) 1,2-Dichloroethane	5.749	62	772246	113.897	ug/L		98
51) Methyl cyclohexane	6.134	83	992238	140.261	ug/L		87
52) Trichloroethene	6.143	95	512619	114.867	ug/L		97
54) Dibromomethane	6.580	93	296625	116.807	ug/L	#	84
55) 1,2-Dichloropropane	6.686	63	617455	116.649	ug/L		98
57) 2-Chloroethyl vinyl ether	7.378	63	408384	122.814	ug/L		92
58) Bromodichloromethane	6.759	83	727451	116.454	ug/L		92
61) 1,4-Dioxane	6.971	88	49111	1190.061	ug/L		88
62) cis-1,3-Dichloropropene	7.448	75	862920	119.410	ug/L		96
65) Toluene	7.713	92	1314787	118.338	ug/L		94
66) 4-Methyl-2-pentanone	8.145	58	225705	116.607	ug/L		91
67) Tetrachloroethene	8.159	166	585961	124.323	ug/L		95
69) trans-1,3-Dichloropropene	8.198	75	758357	117.434	ug/L		99
71) Ethyl methacrylate	8.385	69	688690	114.137	ug/L		90
72) 1,1,2-Trichloroethane	8.382	83	359465	112.831	ug/L		99
73) Chlorodibromomethane	8.594	129	526073	119.825	ug/L		97
74) 1,3-Dichloropropane	8.705	76	767624	114.320	ug/L		97
75) 1,2-Dibromoethane	8.867	107	426364	115.097	ug/L		87
77) 2-Hexanone	9.149	43	414223	113.282	ug/L		99
78) Chlorobenzene	9.520	112	1389349	116.104	ug/L	#	81
79) Ethylbenzene	9.559	91	2544867	115.842	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.603	131	516387	115.508	ug/L		97
81) p/m Xylene	9.745	106	1901677	222.578	ug/L		98
82) o Xylene	10.289	106	1853015	222.816	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N11.D
Acq On : 31 Jul 2024 9:57 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1954249
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:07:05 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.356	104	3040245	219.928	ug/L		100
85) Bromoform	10.381	173	344244	122.572	ug/L		94
87) Isopropylbenzene	10.671	105	2603670	125.479	ug/L		97
89) Bromobenzene	11.106	156	638995	120.505	ug/L		98
90) n-Propylbenzene	11.154	91	3066625	122.831	ug/L		97
91) 1,4-Dichlorobutane	11.170	55	1050044	115.873	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.243	83	539535	128.960	ug/L		97
93) 4-Ethyltoluene	11.282	105	2488678	120.953	ug/L		100
94) 2-Chlorotoluene	11.321	91	1755872M1	117.280	ug/L		
95) 1,3,5-Trimethylbenzene	11.380	105	2172113	119.311	ug/L		98
96) 1,2,3-Trichloropropane	11.380	75	421191	115.164	ug/L		94
97) trans-1,4-Dichloro-2-b...	11.433	53	217211	125.820	ug/L	#	80
98) 4-Chlorotoluene	11.508	91	1872710	120.607	ug/L		98
99) tert-Butylbenzene	11.720	119	1857545	123.721	ug/L		98
102) 1,2,4-Trimethylbenzene	11.798	105	2174551	120.221	ug/L		96
103) sec-Butylbenzene	11.912	105	2758090	125.741	ug/L		99
104) p-Isopropyltoluene	12.066	119	2336309	125.331	ug/L		96
105) 1,3-Dichlorobenzene	12.133	146	1169649	117.874	ug/L		96
106) 1,4-Dichlorobenzene	12.225	146	1165916	118.711	ug/L		99
107) p-Diethylbenzene	12.439	119	1359462	123.012	ug/L		96
108) n-Butylbenzene	12.498	91	1991135	125.574	ug/L		97
109) 1,2-Dichlorobenzene	12.648	146	1118649	118.201	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.234	119	2195611	121.626	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.426	155	98831	127.113	ug/L		93
112) 1,3,5-Trichlorobenzene	13.457	180	936160	123.926	ug/L		93
113) Hexachlorobutadiene	14.032	225	311088	128.826	ug/L		93
114) 1,2,4-Trichlorobenzene	14.057	180	854868	127.696	ug/L		99
115) Naphthalene	14.350	128	1892881	131.573	ug/L		100
116) 1,2,3-Trichlorobenzene	14.517	180	785081	128.247	ug/L		95

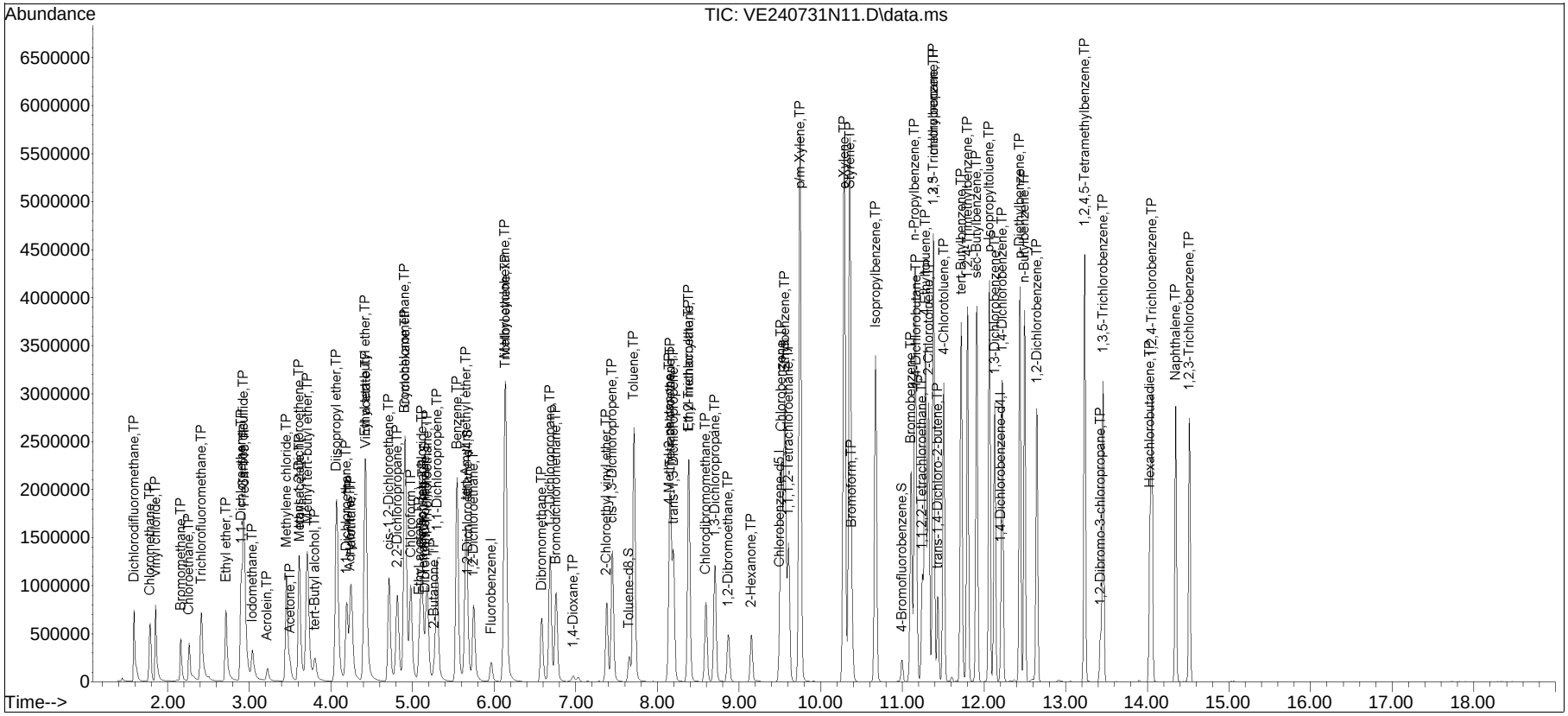
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N11.D
Acq On : 31 Jul 2024 9:57 pm
Operator : ELAINE:MKS
Sample : I8260STD120PPB
Misc : WG1954249
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:07:05 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

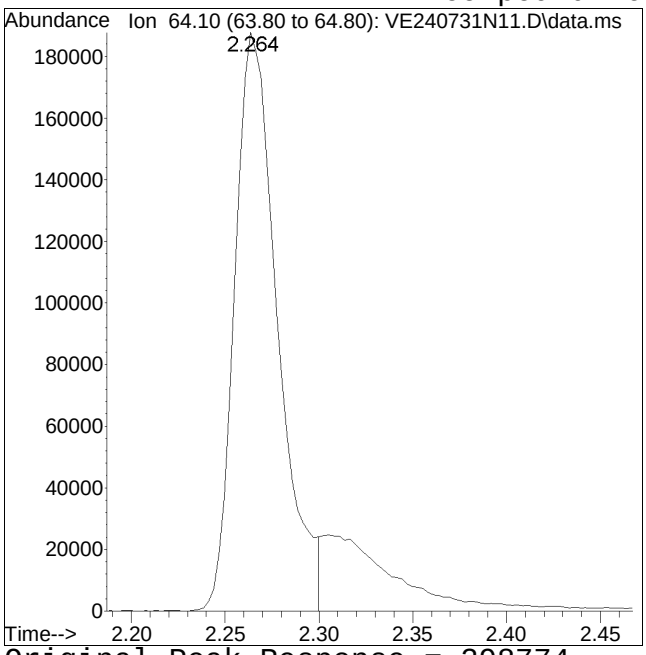


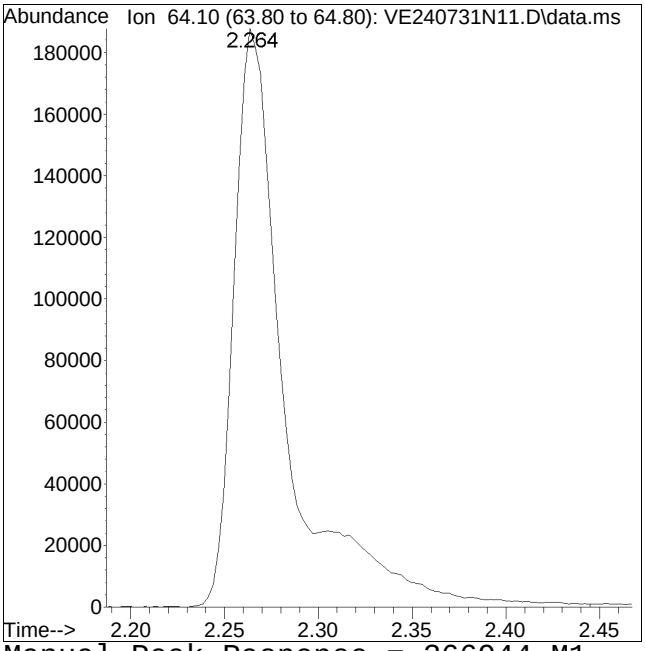
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N11.D
Date Inj'd : 7/31/2024 9:57 pm
Sample : I8260STD120PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #6: Chloroethane





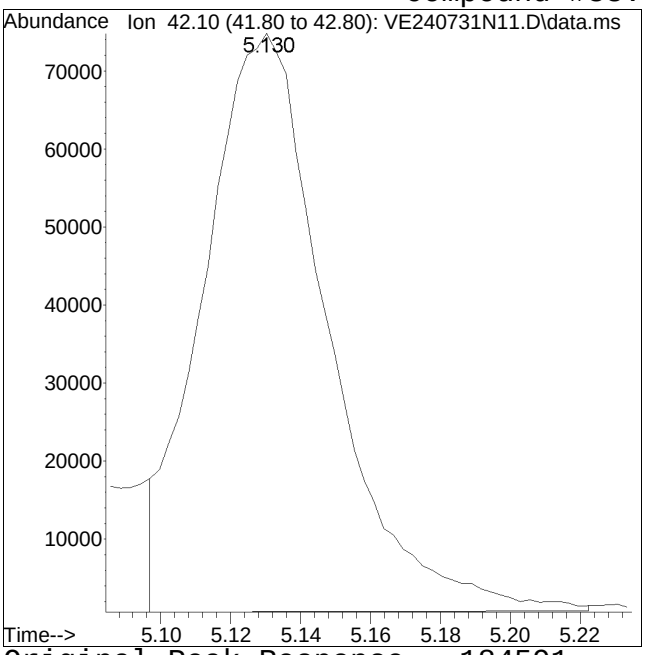
Original Peak Response = 298774 Manual Peak Response = 366944 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

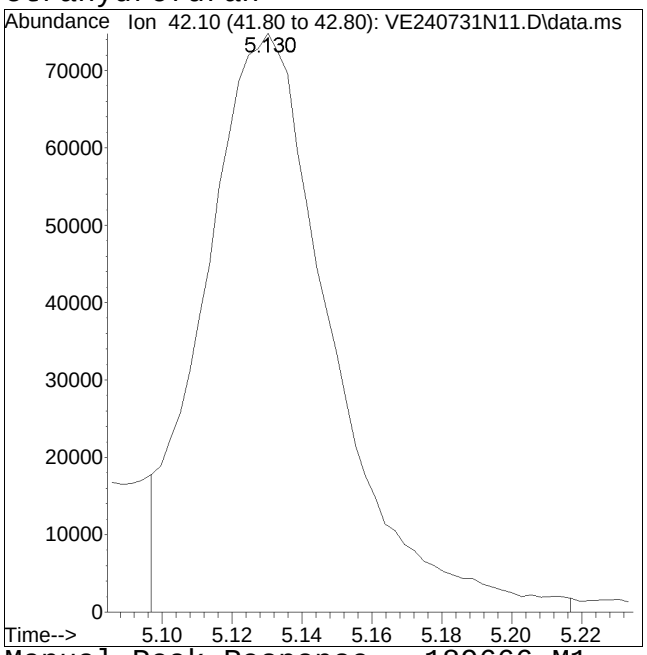
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N11.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 9:57 pm Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran



Original Peak Response = 184591



Manual Peak Response = 189666 M1

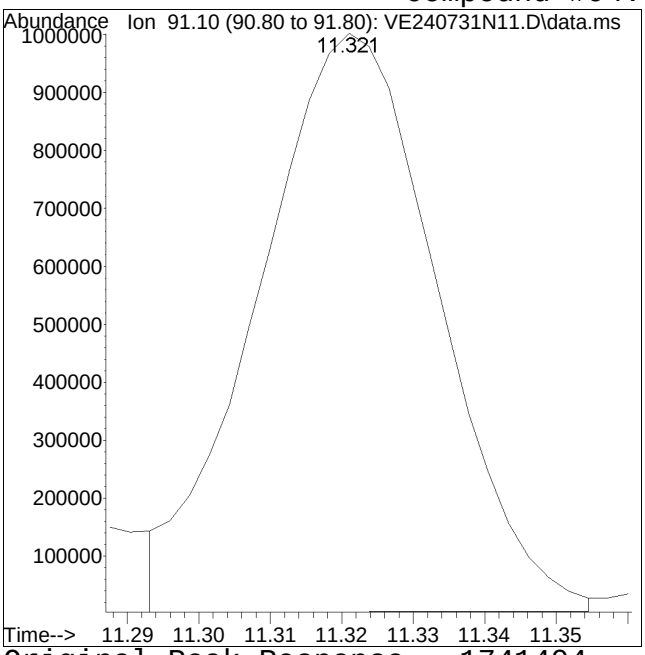
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

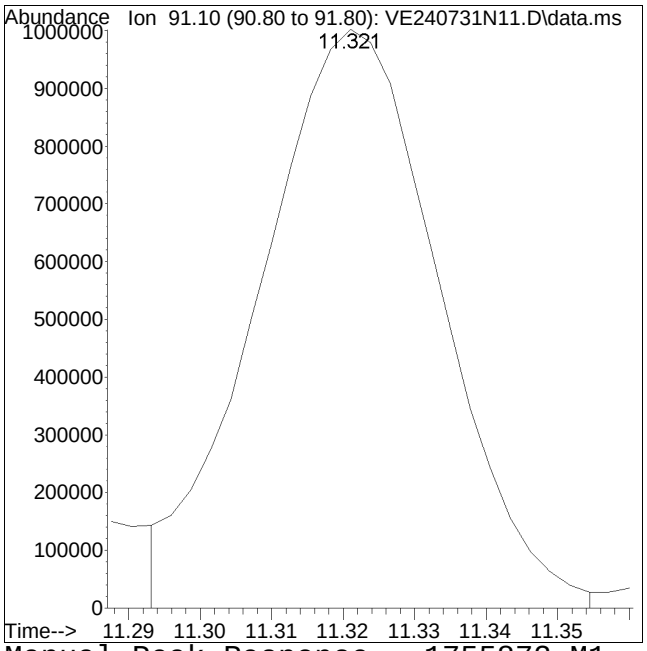
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N11.D
Date Inj'd : 7/31/2024 9:57 pm
Sample : I8260STD120PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 1741404



Manual Peak Response = 1755872 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N12.D
Acq On : 31 Jul 2024 10:22 pm
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1954249
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:07:48 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.967	96	218082	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 106.60%			
63) Chlorobenzene-d5	9.497	117	158225	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 107.09%			
84) 1,4-Dichlorobenzene-d4	12.211	152	85112	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 100.72%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.155	113	48693	9.383	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 93.83%		
47) 1,2-Dichloroethane-d4	5.680	65	65855	9.557	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 95.57%		
64) Toluene-d8	7.654	98	211806	10.120	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 101.20%		
88) 4-Bromofluorobenzene	10.995	95	81664	10.346	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 103.46%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.589	85	1023946	213.144	ug/L	96
3) Chloromethane	1.787	50	1114665	194.505	ug/L	96
4) Vinyl chloride	1.854	62	1133872	213.688	ug/L	95
5) Bromomethane	2.160	94	443466	348.331	ug/L	95
6) Chloroethane	2.264	64	466826M1	139.365	ug/L	
7) Trichlorofluoromethane	2.409	101	1250069	225.507	ug/L	95
8) Ethyl ether	2.715	74	473080	204.730	ug/L	74
10) 1,1-Dichloroethene	2.899	96	720867	214.013	ug/L #	77
11) Carbon disulfide	2.930	76	2148112	195.626	ug/L	96
12) Freon-113	2.941	101	764970	215.363	ug/L	87
13) Iodomethane	3.039	142	787010	414.722	ug/L	90
14) Acrolein	3.223	56	207835	215.768	ug/L #	68
15) Methylene chloride	3.457	84	830961	186.885	ug/L	88
17) Acetone	3.499	43	275343	178.888	ug/L	100
18) trans-1,2-Dichloroethene	3.610	96	769562	199.519	ug/L	80
19) Methyl acetate	3.619	43	649913	180.672	ug/L	97
21) Methyl tert-butyl ether	3.711	73	2743068	186.070	ug/L	95
22) tert-Butyl alcohol	3.806	59	494549	963.555	ug/L #	74
24) Diisopropyl ether	4.071	45	3996934	189.859	ug/L	91
25) 1,1-Dichloroethane	4.193	63	1767256	191.036	ug/L	97
26) Halothane	4.249	117	614966	198.813	ug/L	95

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N12.D
Acq On : 31 Jul 2024 10:22 pm
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1954249
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:07:48 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.238	53	364875	190.402	ug/L		91
28) Ethyl tert-butyl ether	4.419	59	3489282	190.985	ug/L		87
29) Vinyl acetate	4.427	43	2909289	239.808	ug/L		96
30) cis-1,2-Dichloroethene	4.715	96	893849	193.939	ug/L		96
31) 2,2-Dichloropropane	4.815	77	1146211	194.531	ug/L		98
33) Bromochloromethane	4.904	128	369034	176.699	ug/L		87
34) Cyclohexane	4.910	56	2111879	214.448	ug/L		97
35) Chloroform	4.980	83	1463012	193.883	ug/L		98
36) Ethyl acetate	5.086	43	1054490	184.774	ug/L		95
37) Carbon tetrachloride	5.111	117	1180255	208.012	ug/L		94
38) Tetrahydrofuran	5.127	42	319470M1	181.050	ug/L		
40) 1,1,1-Trichloroethane	5.178	97	1345108	198.818	ug/L		94
42) 2-Butanone	5.264	43	430836	189.401	ug/L	#	77
43) 1,1-Dichloropropene	5.300	75	1167560	205.559	ug/L		95
45) Benzene	5.546	78	3545099	193.878	ug/L		93
46) tert-Amyl methyl ether	5.660	73	2608163	193.201	ug/L		97
48) 1,2-Dichloroethane	5.749	62	1303976	187.124	ug/L		98
51) Methyl cyclohexane	6.134	83	1644127	226.130	ug/L		87
52) Trichloroethene	6.143	95	848815	185.062	ug/L		97
54) Dibromomethane	6.580	93	510294	195.517	ug/L	#	84
55) 1,2-Dichloropropane	6.686	63	1043986	191.899	ug/L		98
57) 2-Chloroethyl vinyl ether	7.381	63	689730	201.819	ug/L		91
58) Bromodichloromethane	6.759	83	1230248	191.623	ug/L		93
61) 1,4-Dioxane	6.968	88	82040	1934.279	ug/L		87
62) cis-1,3-Dichloropropene	7.450	75	1455382	195.953	ug/L		96
65) Toluene	7.715	92	2216340	196.679	ug/L		95
66) 4-Methyl-2-pentanone	8.145	58	380672	193.904	ug/L		89
67) Tetrachloroethene	8.161	166	969941	202.900	ug/L		95
69) trans-1,3-Dichloropropene	8.198	75	1271120	194.071	ug/L		98
71) Ethyl methacrylate	8.385	69	1153549	188.491	ug/L		90
72) 1,1,2-Trichloroethane	8.385	83	600082	185.709	ug/L		99
73) Chlorodibromomethane	8.594	129	888579	199.549	ug/L		97
74) 1,3-Dichloropropane	8.705	76	1294671	190.102	ug/L		97
75) 1,2-Dibromoethane	8.870	107	726378	193.330	ug/L		88
77) 2-Hexanone	9.149	43	701973	189.278	ug/L		98
78) Chlorobenzene	9.520	112	2322389	191.347	ug/L	#	81
79) Ethylbenzene	9.561	91	4205575	188.746	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.606	131	864694	190.700	ug/L		97
81) p/m Xylene	9.748	106	3113211	359.258	ug/L		98
82) o Xylene	10.292	106	3031575	359.409	ug/L		96

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N12.D
Acq On : 31 Jul 2024 10:22 pm
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1954249
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:07:48 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.359	104	4931534	351.727	ug/L		100
85) Bromoform	10.384	173	573519	203.644	ug/L		94
87) Isopropylbenzene	10.671	105	4270477	205.239	ug/L		97
89) Bromobenzene	11.109	156	1059408	199.237	ug/L		98
90) n-Propylbenzene	11.156	91	4915379	196.338	ug/L		97
91) 1,4-Dichlorobutane	11.173	55	1727211	190.073	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.246	83	901020	214.768	ug/L		97
93) 4-Ethyltoluene	11.282	105	4000085	193.873	ug/L		100
94) 2-Chlorotoluene	11.324	91	2902075M1	193.303	ug/L		
95) 1,3,5-Trimethylbenzene	11.382	105	3465448	189.826	ug/L		98
96) 1,2,3-Trichloropropane	11.382	75	693466	189.086	ug/L		94
97) trans-1,4-Dichloro-2-b...	11.435	53	373208	215.584	ug/L	#	81
98) 4-Chlorotoluene	11.508	91	3065128	196.857	ug/L		99
99) tert-Butylbenzene	11.723	119	2974388	197.561	ug/L		98
102) 1,2,4-Trimethylbenzene	11.801	105	3501105	193.025	ug/L		96
103) sec-Butylbenzene	11.912	105	4398637	199.979	ug/L		99
104) p-Isopropyltoluene	12.068	119	3768238	201.589	ug/L		96
105) 1,3-Dichlorobenzene	12.133	146	1909080	191.860	ug/L		96
106) 1,4-Dichlorobenzene	12.225	146	1925869	195.547	ug/L		99
107) p-Diethylbenzene	12.442	119	2268316	204.684	ug/L		96
108) n-Butylbenzene	12.501	91	3301190	207.619	ug/L		97
109) 1,2-Dichlorobenzene	12.648	146	1871437	197.197	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.234	119	3731663	206.145	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.429	155	172945	221.821	ug/L		92
112) 1,3,5-Trichlorobenzene	13.460	180	1558415	205.728	ug/L		93
113) Hexachlorobutadiene	14.032	225	516197	213.175	ug/L		93
114) 1,2,4-Trichlorobenzene	14.057	180	1377565	205.206	ug/L		100
115) Naphthalene	14.349	128	3120105	216.278	ug/L		100
116) 1,2,3-Trichlorobenzene	14.520	180	1288109	209.838	ug/L		96

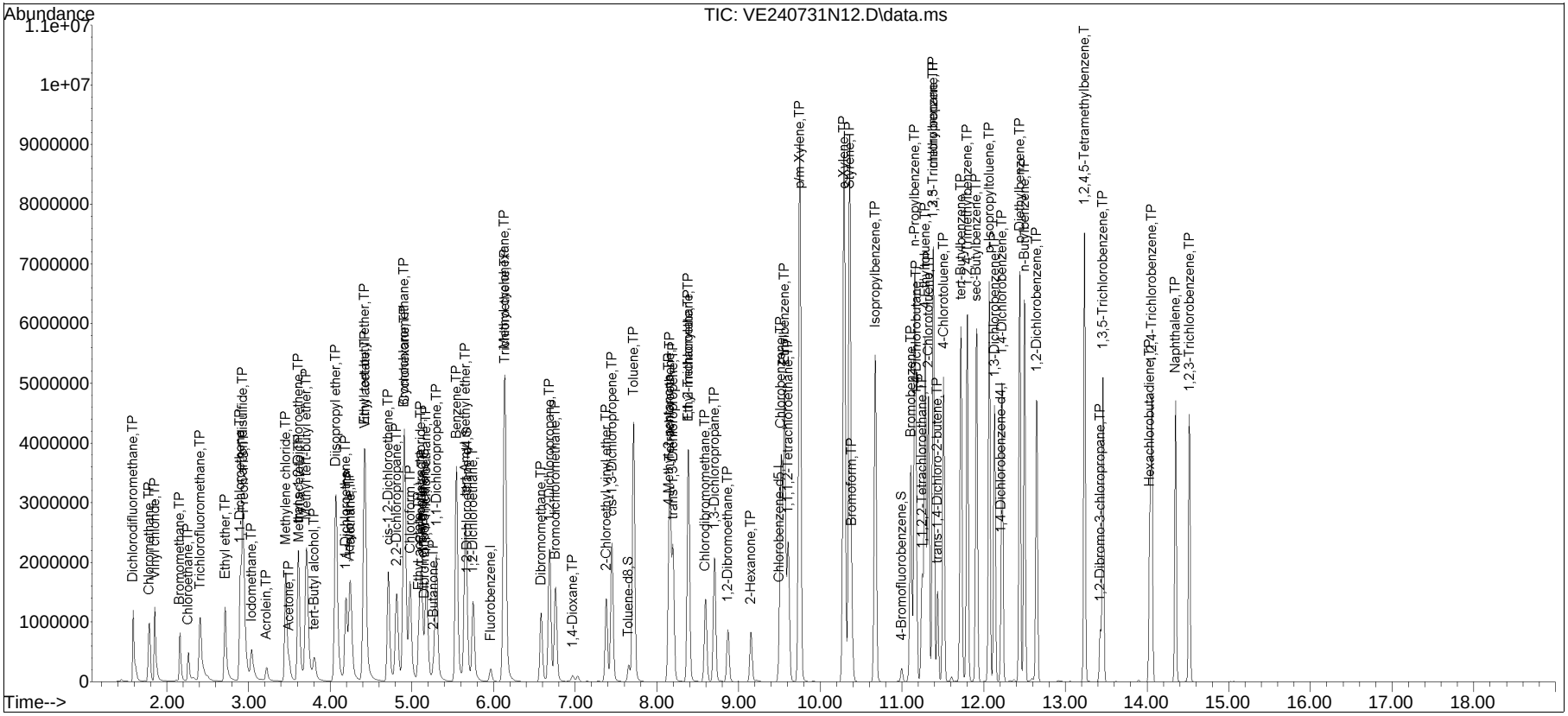
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N12.D
Acq On : 31 Jul 2024 10:22 pm
Operator : ELAINE:MKS
Sample : I8260STD200PPB
Misc : WG1954249
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:07:48 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 11:56:36 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

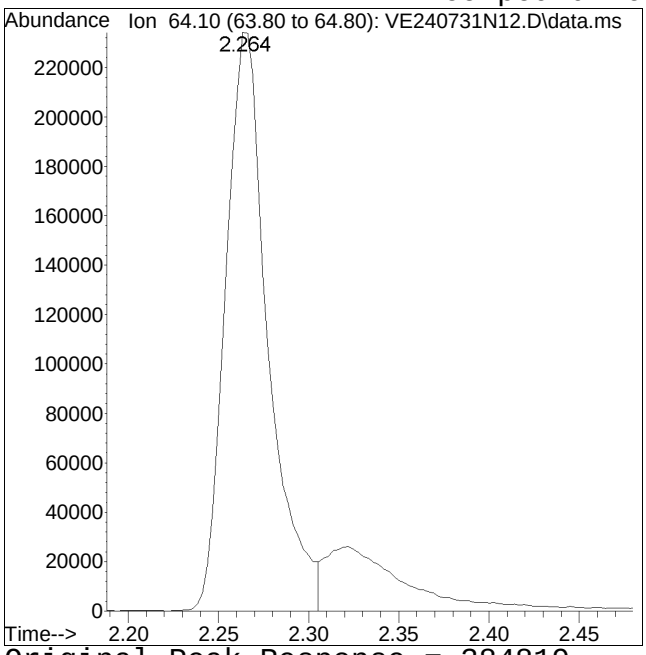


Manual Integration Report

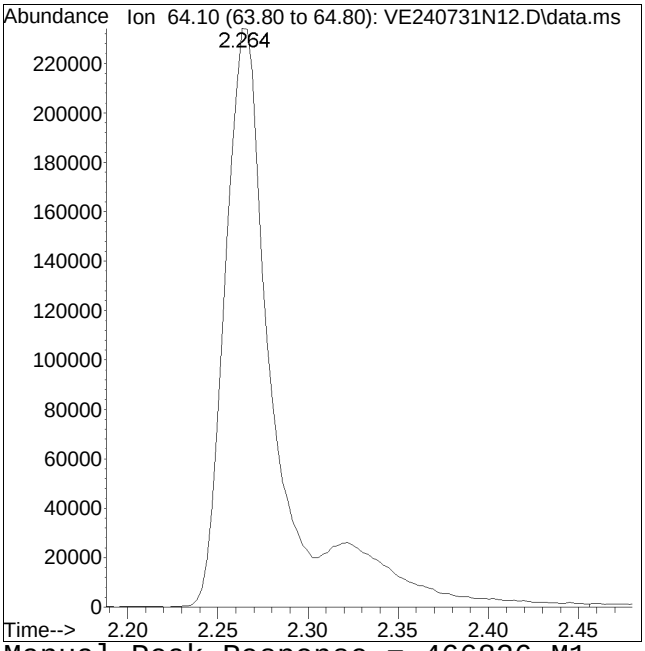
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N12.D
Date Inj'd : 7/31/2024 10:22 pm
Sample : I8260STD200PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #6: Chloroethane



Original Peak Response = 384819



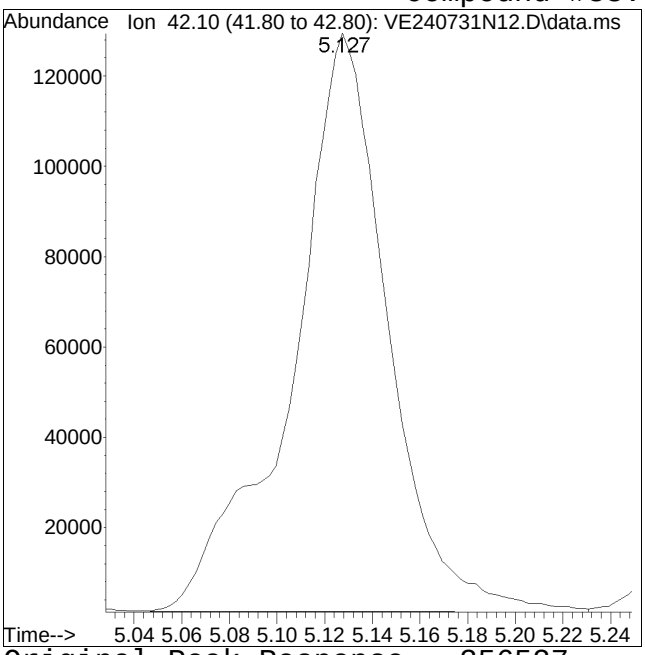
Manual Peak Response = 466826 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

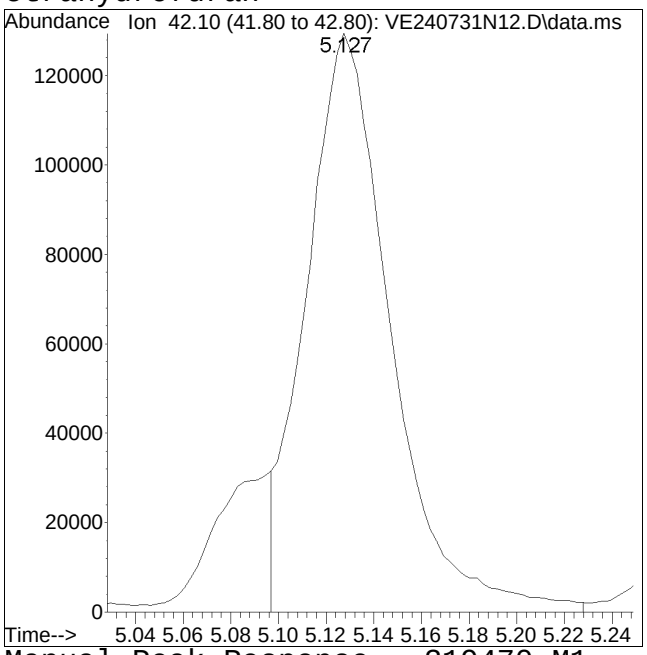
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQMethod : Elaine_240731N_8260.m
Data File : VE240731N12.D Operator : ELAINE:MKS
Date Inj'd : 7/31/2024 10:22 pm Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 8/1/2024 11:57 am

Compound #38: Tetrahydrofuran



Original Peak Response = 356527



Manual Peak Response = 319470 M1

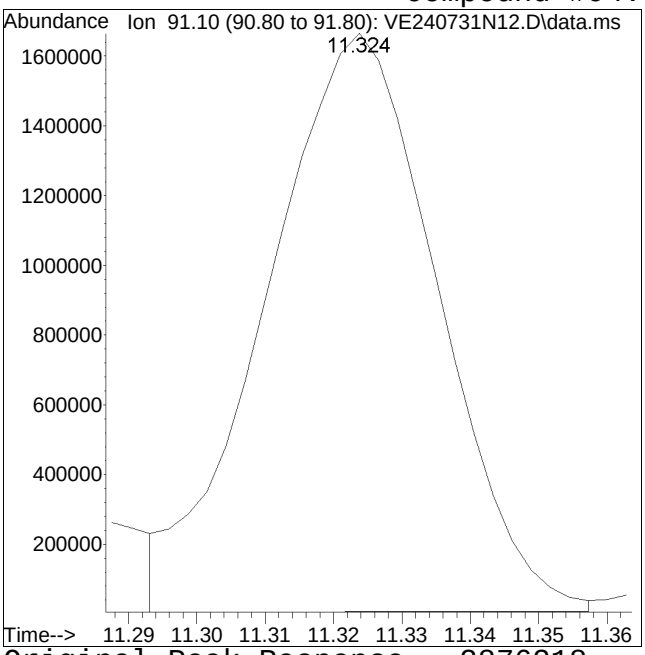
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

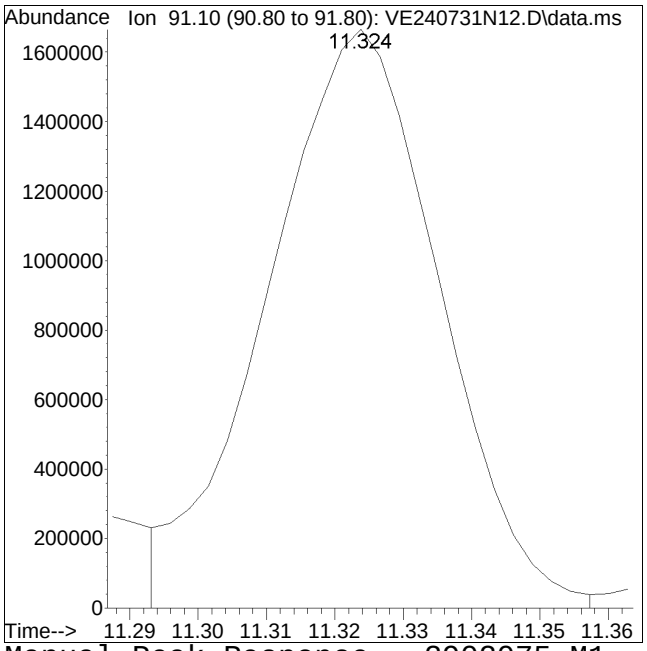
Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N12.D
Date Inj'd : 7/31/2024 10:22 pm
Sample : I8260STD200PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 11:57 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 2876218



Manual Peak Response = 2902075 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2	TP	Dichlorodifluoromethane	0.224	0.184	17.9	85	0.00
3	TP	Chloromethane	0.250	0.279	-11.6	108	0.00
4	TP	Vinyl chloride	0.233	0.239	-2.6	100	0.00
5	TP	Bromomethane	* 10.000	9.312	6.9	112	0.00
6	TP	Chloroethane	0.140	0.152	-8.6	101	0.00
7	TP	Trichlorofluoromethane	0.267	0.291	-9.0	117	0.00
8	TP	Ethyl ether	0.105	0.106	-1.0	102	0.00
10	TP	1,1-Dichloroethene	0.160	0.160	0.0	105	0.00
11	TP	Carbon disulfide	0.494	0.453	8.3	92	0.00
12	TP	Freon-113	0.167	0.181	-8.4	113	0.00
13	TP	Iodomethane	* 10.000	5.388	46.1#	62	0.00
14	TP	Acrolein	0.045	0.032	28.9#	75	0.00
15	TP	Methylene chloride	0.202	0.202	0.0	101	0.00
17	TP	Acetone	0.073	0.073	0.0	105	0.00
18	TP	trans-1,2-Dichloroethene	0.172	0.181	-5.2	104	0.00
19	TP	Methyl acetate	0.171	0.151	11.7	93	0.00
21	TP	Methyl tert-butyl ether	0.642	0.561	12.6	85	0.00
22	TP	tert-Butyl alcohol	0.023	0.022	4.3	96	0.00
24	TP	Diisopropyl ether	0.920	0.922	-0.2	97	0.00
25	TP	1,1-Dichloroethane	0.404	0.436	-7.9	105	0.00
26	TP	Halothane	0.139	0.154	-10.8	111	0.00
27	TP	Acrylonitrile	0.084	0.077	8.3	89	0.00
28	TP	Ethyl tert-butyl ether	0.798	0.794	0.5	97	0.00
29	TP	Vinyl acetate	0.612	0.506	17.3	93	0.00
30	TP	cis-1,2-Dichloroethene	0.206	0.210	-1.9	101	0.00
31	TP	2,2-Dichloropropane	0.270	0.248	8.1	93	0.00
33	TP	Bromochloromethane	0.091	0.092#	-1.1	97	0.00
34	TP	Cyclohexane	0.473	0.498	-5.3	112	0.00
35	TP	Chloroform	0.335	0.346	-3.3	102	0.00
36	TP	Ethyl acetate	0.256	0.246	3.9	96	0.00
37	TP	Carbon tetrachloride	0.256	0.287	-12.1	112	0.00
38	TP	Tetrahydrofuran	0.079	0.075	5.1	94	0.00
39	S	Dibromofluoromethane	0.234	0.239	-2.1	102	0.00
40	TP	1,1,1-Trichloroethane	0.304	0.321	-5.6	106	0.00
42	TP	2-Butanone	0.105	0.098	6.7	95	0.00
43	TP	1,1-Dichloropropene	0.256	0.286	-11.7	112	0.00
45	TP	Benzene	0.792	0.833	-5.2	101	0.00
46	TP	tert-Amyl methyl ether	0.598	0.569	4.8	94	0.00

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.312	0.314	-0.6	101	0.00
48	T	1,2-Dichloroethane	0.306	0.319	-4.2	102	0.00
51	TP	Methyl cyclohexane	0.356	0.371	-4.2	114	0.00
52	TP	Trichloroethene	0.199	0.216	-8.5	105	0.00
54	TP	Dibromomethane	0.115	0.119	-3.5	101	0.00
55	TP	1,2-Dichloropropane	0.239	0.252	-5.4	103	0.00
57	TP	2-Chloroethyl vinyl ether	0.154	0.137	11.0	89	0.00
58	TP	Bromodichloromethane	0.283	0.287#	-1.4	99	0.00
61	TP	1,4-Dioxane	0.00192	0.00183#	4.7	96	0.00
62	TP	cis-1,3-Dichloropropene	0.319	0.344	-7.8	103	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	S	Toluene-d8	1.317	1.314	0.2	103	0.00
65	TP	Toluene	0.689	0.694	-0.7	102	0.00
66	TP	4-Methyl-2-pentanone	0.117	0.112	4.3	94	0.00
67	TP	Tetrachloroethene	0.293	0.316	-7.8	109	0.00
69	TP	trans-1,3-Dichloropropene	0.388	0.396	-2.1	100	0.00
71	TP	Ethyl methacrylate	0.369	0.356	3.5	96	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.197#	-2.1	100	0.00
73	TP	Chlorodibromomethane	0.270	0.268	0.7	99	0.00
74	TP	1,3-Dichloropropane	0.408	0.422	-3.4	102	0.00
75	TP	1,2-Dibromoethane	0.228	0.226	0.9	99	0.00
77	TP	2-Hexanone	0.229	0.212	7.4	94	0.00
78	TP	Chlorobenzene	0.734	0.773	-5.3	105	0.00
79	TP	Ethylbenzene	1.335	1.426	-6.8	105	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.269	0.286	-6.3	104	0.00
81	TP	p/m Xylene	0.509	0.545	-7.1	104	0.00
82	TP	o Xylene	0.497	0.524	-5.4	102	0.00
83	TP	Styrene	0.816	0.883	-8.2	104	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85	TP	Bromoform	0.325	0.321	1.2	101	0.00
87	TP	Isopropylbenzene	2.395	2.542	-6.1	108	0.00
88	S	4-Bromofluorobenzene	0.924	0.917	0.8	103	0.00
89	TP	Bromobenzene	0.605	0.612	-1.2	102	0.00
90	TP	n-Propylbenzene	2.861	3.016	-5.4	106	0.00
91	TP	1,4-Dichlorobutane	1.046	0.991	5.3	96	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.508	0.472	7.1	99	0.00
93	TP	4-Ethyltoluene	2.321	2.520	-8.6	108	0.00

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.683	1.751	-4.0	103	0.00
95 TP	1,3,5-Trimethylbenzene	2.036	2.143	-5.3	104	0.00
96 TP	1,2,3-Trichloropropane	0.415	0.417	-0.5	100	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.204	0.171	16.2	87	0.00
98 TP	4-Chlorotoluene	1.763	1.845	-4.7	105	0.00
99 TP	tert-Butylbenzene	1.712	1.823	-6.5	107	0.00
102 TP	1,2,4-Trimethylbenzene	2.033	2.161	-6.3	105	0.00
103 TP	sec-Butylbenzene	2.538	2.673	-5.3	107	0.00
104 TP	p-Isopropyltoluene	2.139	2.259	-5.6	107	0.00
105 TP	1,3-Dichlorobenzene	1.117	1.178	-5.5	105	0.00
106 TP	1,4-Dichlorobenzene	1.116	1.167	-4.6	105	0.00
107 TP	p-Diethylbenzene	1.261	1.249	1.0	100	0.00
108 TP	n-Butylbenzene	1.842	2.034	-10.4	113	0.00
109 TP	1,2-Dichlorobenzene	1.074	1.130	-5.2	105	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.046	2.063	-0.8	101	0.00
111 TP	1,2-Dibromo-3-chloropropane *	10.000	8.973	10.3	97	0.00
112 TP	1,3,5-Trichlorobenzene	0.853	0.845	0.9	99	0.00
113 TP	Hexachlorobutadiene	0.283	0.291	-2.8	106	0.00
114 TP	1,2,4-Trichlorobenzene	0.770	0.781	-1.4	103	0.00
115 TP	Naphthalene	1.697	1.637	3.5	100	0.00
116 TP	1,2,3-Trichlorobenzene	0.707	0.697	1.4	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.964	96	208493	10.000	ug/L	0.00
Standard Area 1 = 204581			Recovery = 101.91%			
63) Chlorobenzene-d5	9.497	117	153829	10.000	ug/L	0.00
Standard Area 1 = 147756			Recovery = 104.11%			
84) 1,4-Dichlorobenzene-d4	12.205	152	87716	10.000	ug/L	0.00
Standard Area 1 = 84505			Recovery = 103.80%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.158	113	49879	10.219	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.19%			
47) 1,2-Dichloroethane-d4	5.683	65	65490	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%			
64) Toluene-d8	7.654	98	202159	9.977	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.77%			
88) 4-Bromofluorobenzene	10.995	95	80452	9.929	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.29%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	38360	8.206	ug/L	95
3) Chloromethane	1.784	50	58239	11.190	ug/L	97
4) Vinyl chloride	1.854	62	49740	10.255	ug/L	91
5) Bromomethane	2.163	94	13377	9.312	ug/L	95
6) Chloroethane	2.269	64	31590	10.788	ug/L	91
7) Trichlorofluoromethane	2.417	101	60700	10.891	ug/L	98
8) Ethyl ether	2.713	74	22105	10.072	ug/L	74
10) 1,1-Dichloroethene	2.905	96	33298	9.972	ug/L	79
11) Carbon disulfide	2.930	76	94536	9.176	ug/L	95
12) Freon-113	2.941	101	37812	10.866	ug/L	89
13) Iodomethane	3.039	142	11076	5.388	ug/L	89
14) Acrolein	3.223	56	6767	7.176	ug/L #	62
15) Methylene chloride	3.454	84	42181	10.015	ug/L	89
17) Acetone	3.496	43	15145	9.901	ug/L	98
18) trans-1,2-Dichloroethene	3.611	96	37651	10.490	ug/L	77
19) Methyl acetate	3.619	43	31485	8.829	ug/L	96
21) Methyl tert-butyl ether	3.708	73	116912	8.735	ug/L	96
22) tert-Butyl alcohol	3.803	59	23155	48.488	ug/L #	68
24) Diisopropyl ether	4.068	45	192295	10.030	ug/L	91
25) 1,1-Dichloroethane	4.193	63	90833	10.783	ug/L	96
26) Halothane	4.252	117	32152	11.107	ug/L	97

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.235	53	15982	9.093	ug/L		86
28) Ethyl tert-butyl ether	4.417	59	165609	9.954	ug/L		98
29) Vinyl acetate	4.428	43	105450	8.264	ug/L	#	94
30) cis-1,2-Dichloroethene	4.715	96	43745	10.168	ug/L		93
31) 2,2-Dichloropropane	4.818	77	51622	9.157	ug/L		95
33) Bromochloromethane	4.905	128	19089	10.115	ug/L		83
34) Cyclohexane	4.913	56	103732	10.523	ug/L		95
35) Chloroform	4.980	83	72175	10.336	ug/L		99
36) Ethyl acetate	5.086	43	51304	9.621	ug/L	#	92
37) Carbon tetrachloride	5.111	117	59745	11.201	ug/L		97
38) Tetrahydrofuran	5.130	42	15553M1	9.397	ug/L		
40) 1,1,1-Trichloroethane	5.175	97	66968	10.560	ug/L	#	76
42) 2-Butanone	5.267	43	20338	9.305	ug/L	#	85
43) 1,1-Dichloropropene	5.295	75	59608	11.165	ug/L		96
45) Benzene	5.546	78	173673	10.516	ug/L		93
46) tert-Amyl methyl ether	5.660	73	118656	9.521	ug/L		98
48) 1,2-Dichloroethane	5.749	62	66413	10.419	ug/L		96
51) Methyl cyclohexane	6.134	83	77419	10.431	ug/L		86
52) Trichloroethene	6.140	95	45095	10.860	ug/L		97
54) Dibromomethane	6.578	93	24744	10.345	ug/L	#	84
55) 1,2-Dichloropropane	6.684	63	52520	10.534	ug/L		98
57) 2-Chloroethyl vinyl ether	7.381	63	28542	8.897	ug/L		91
58) Bromodichloromethane	6.762	83	59854	10.131	ug/L		94
61) 1,4-Dioxane	6.965	88	19108	477.556	ug/L		87
62) cis-1,3-Dichloropropene	7.448	75	71821	10.797	ug/L		95
65) Toluene	7.715	92	106822	10.085	ug/L		91
66) 4-Methyl-2-pentanone	8.148	58	17267	9.558	ug/L	#	91
67) Tetrachloroethene	8.162	166	48681	10.819	ug/L		96
69) trans-1,3-Dichloropropene	8.195	75	60906	10.213	ug/L		98
71) Ethyl methacrylate	8.385	69	54689	9.633	ug/L		92
72) 1,1,2-Trichloroethane	8.379	83	30235	10.167	ug/L		99
73) Chlorodibromomethane	8.591	129	41173	9.901	ug/L		97
74) 1,3-Dichloropropane	8.705	76	64959	10.345	ug/L		97
75) 1,2-Dibromoethane	8.867	107	34815	9.906	ug/L		88
77) 2-Hexanone	9.152	43	32606	9.263	ug/L		97
78) Chlorobenzene	9.520	112	118893	10.534	ug/L	#	80
79) Ethylbenzene	9.556	91	219382	10.686	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.603	131	44053	10.647	ug/L		99
81) p/m Xylene	9.746	106	167676	21.427	ug/L		98
82) o Xylene	10.287	106	161242	21.071	ug/L		96

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240731N-ICAL\VE240731N08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.354	104	271514	21.640	ug/L		99
85) Bromoform	10.381	173	28158	9.866	ug/L		93
87) Isopropylbenzene	10.671	105	223005	10.617	ug/L		98
89) Bromobenzene	11.106	156	53699	10.126	ug/L		97
90) n-Propylbenzene	11.151	91	264513	10.539	ug/L		97
91) 1,4-Dichlorobutane	11.168	55	86888	9.472	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.243	83	41382	9.285	ug/L		99
93) 4-Ethyltoluene	11.279	105	221024	10.855	ug/L		100
94) 2-Chlorotoluene	11.318	91	153587	10.402	ug/L		97
95) 1,3,5-Trimethylbenzene	11.377	105	188009	10.527	ug/L		98
96) 1,2,3-Trichloropropane	11.380	75	36549	10.052	ug/L		94
97) trans-1,4-Dichloro-2-b...	11.433	53	14957	8.371	ug/L	#	85
98) 4-Chlorotoluene	11.502	91	161865	10.465	ug/L		99
99) tert-Butylbenzene	11.720	119	159878	10.649	ug/L		97
102) 1,2,4-Trimethylbenzene	11.795	105	189585	10.634	ug/L		96
103) sec-Butylbenzene	11.910	105	234466	10.531	ug/L		99
104) p-Isopropyltoluene	12.066	119	198149	10.562	ug/L		96
105) 1,3-Dichlorobenzene	12.127	146	103303	10.548	ug/L		96
106) 1,4-Dichlorobenzene	12.222	146	102337	10.454	ug/L		99
107) p-Diethylbenzene	12.439	119	109518	9.900	ug/L		96
108) n-Butylbenzene	12.495	91	178383	11.041	ug/L		98
109) 1,2-Dichlorobenzene	12.646	146	99100	10.517	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.231	119	180976	10.082	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.427	155	7500	8.973	ug/L		85
112) 1,3,5-Trichlorobenzene	13.457	180	74121	9.907	ug/L		92
113) Hexachlorobutadiene	14.032	225	25535	10.299	ug/L		93
114) 1,2,4-Trichlorobenzene	14.054	180	68475	10.138	ug/L		98
115) Naphthalene	14.347	128	143556	9.643	ug/L		100
116) 1,2,3-Trichlorobenzene	14.517	180	61106	9.847	ug/L		94

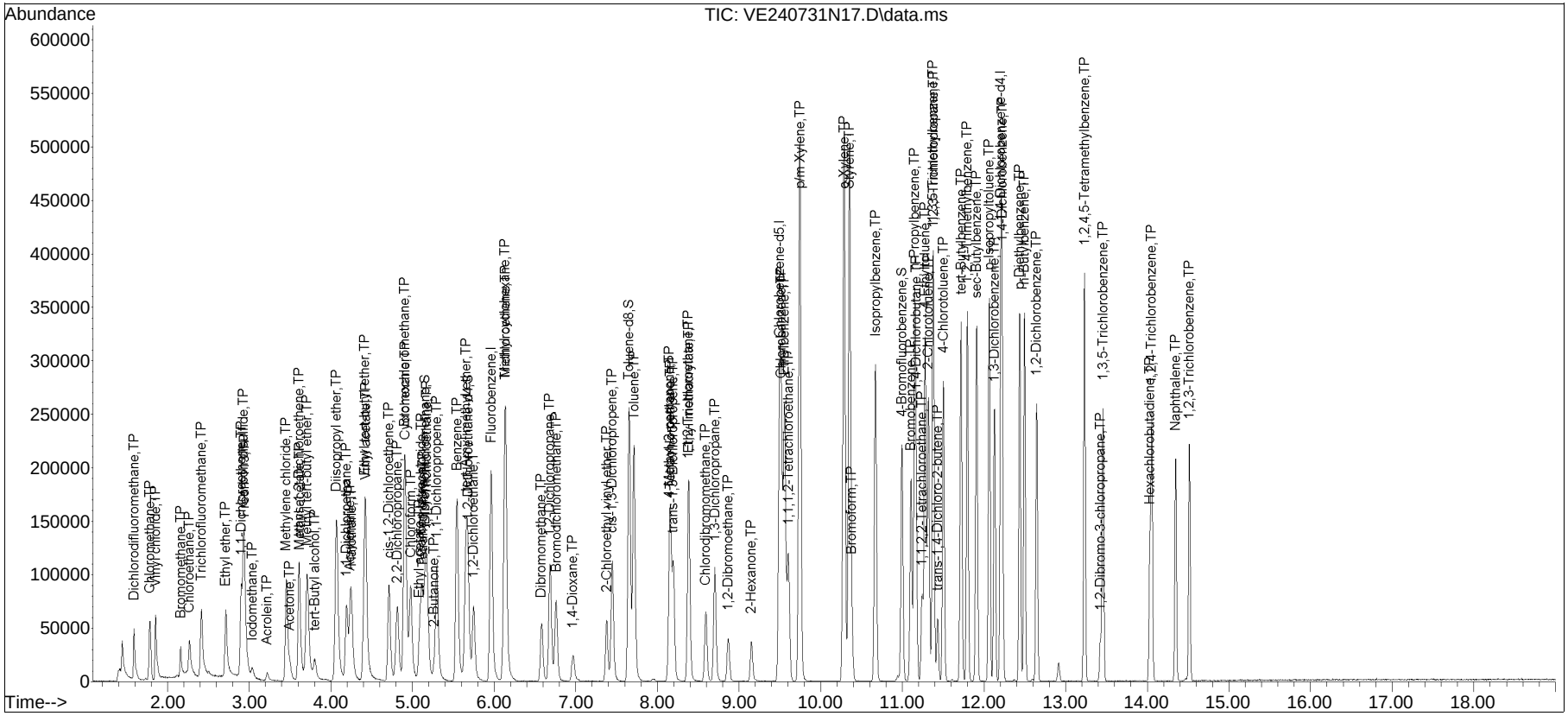
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240731N-ICAL\
Data File : VE240731N17.D
Acq On : 1 Aug 2024 12:28 am
Operator : ELAINE:MKS
Sample : C8260STD10PPB
Misc : WG1954249
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 01 12:14:14 2024
Quant Method : K:\Elaine\2024\240731N-ICAL\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus DioxL\VE240731N08.D•

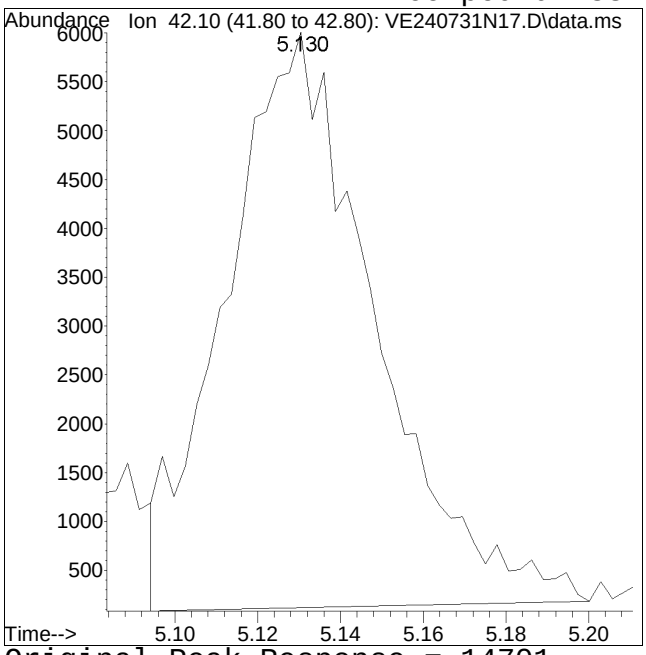


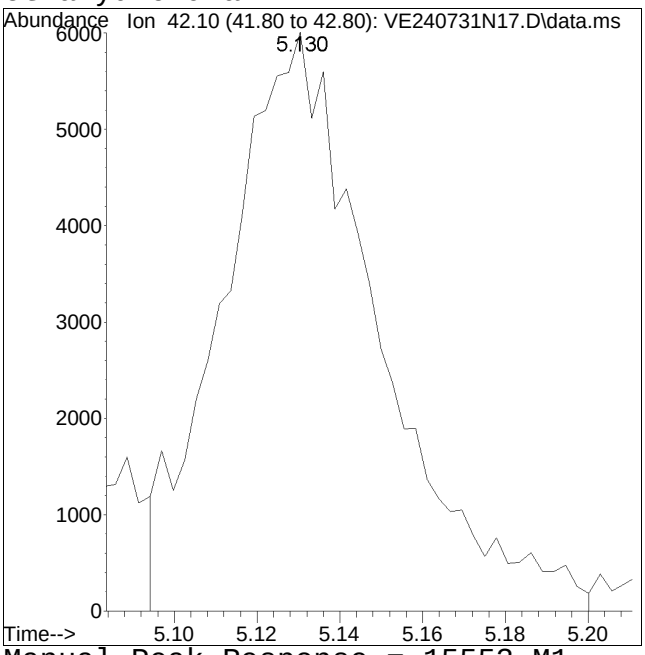
Manual Integration Report

Data Path : K:\Elaine\2024\240731N-ICAQ
Data File : VE240731N17.D
Date Inj'd : 8/1/2024 12:28 am
Sample : C8260STD10PPB

Method : Elaine_240731N_8260.m
Operator : ELAINE:MKS
Instrument : Elaine
Quant Date : 8/1/2024 12:13 pm

Compound #38: Tetrahydrofuran





Original Peak Response = 14701 Manual Peak Response = 15553 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report Elaine

Method Path : K:\Elaine\2024\240731N-ICAL\
Method File : Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
5	TP Bromomethane	Q	ug/L	10.0	8.517	-14.8	0.50	0.634	26.8
13	TP Iodomethane	Q	ug/L	10.0	7.698	-23.0	2.00	2.507	25.4
111	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	9.592	-4.1	0.50	0.540	8.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
5	TP Bromomethane	Quadratic	0.998253	0.001690	0.069754	-0.00225974
13	TP Iodomethane	Quadratic	0.997800	0.002010	0.144116	-0.0251075
111	TP 1,2-Dibromo-3-chloropropane	Linear	0.998896	0.000000	0.0984884	-0.00286624

Response Factor Report VOA130

Method Path : K:\VOA130\2024\240816NICAL\
Method File : V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.175	0.208	0.229	0.252	0.258	0.244	0.250	0.231	13.07
3)	TP	Chloromethane		0.248	0.240	0.243	0.258	0.264	0.245	0.247	0.249	3.46
4)	TP	Vinyl chloride	0.219	0.171	0.203	0.221	0.243	0.250	0.237	0.245	0.224	11.84
5)	TP	Bromomethane		0.142	0.122	0.122	0.136	0.143	0.135	0.139	0.134	6.42
6)	TP	Chloroethane		0.127	0.131	0.139	0.150	0.156	0.145	0.149	0.143	7.51
7)	TP	Trichlorofluor...		0.183	0.221	0.242	0.267	0.285	0.271	0.294	0.252	15.60
8)	TP	Ethyl ether		0.058	0.062	0.066	0.073	0.083	0.080	0.086	0.073	15.01
10)	TP	1,1-Dichloroet...		0.122	0.139	0.149	0.164	0.169	0.161	0.175	0.154	12.15
11)	TP	Carbon disulfide		0.400	0.428	0.448	0.496	0.528	0.511	0.561	0.482	12.03
12)	TP	Freon-113			0.112	0.132	0.160	0.170	0.159	0.165	0.150	15.19
13)	TP	Iodomethane		0.323	0.230	0.226	0.255	0.280	0.268	0.291	0.268	12.85
14)	TP	Acrolein		0.022	0.020	0.018	0.019	0.020	0.021	0.023	0.020	8.76
15)	TP	Methylene chlo...		0.201	0.193	0.195	0.211	0.221	0.207	0.216	0.206	5.17
17)	TP	Acetone			0.027	0.023	0.023	0.025	0.024	0.027	0.025	7.12
18)	TP	trans-1,2-Dich...		0.121	0.139	0.154	0.171	0.178	0.167	0.181	0.159	13.95
19)	TP	Methyl acetate		0.061	0.054	0.054	0.053	0.058	0.057	0.063	0.057	6.42
21)	TP	Methyl tert-bu...		0.296	0.305	0.299	0.302	0.347	0.350	0.395	0.328	11.40
22)	TP	tert-Butyl alc...		0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.006#	12.64
24)	TP	Diisopropyl ether		0.354	0.373	0.416	0.448	0.441	0.394	0.395	0.403	8.55
25)	TP	1,1-Dichloroet...		0.250	0.275	0.290	0.315	0.325	0.303	0.335	0.299#	10.05
26)	TP	Halothane			0.083	0.095	0.118	0.139	0.131	0.135	0.117	19.77
27)	TP	Acrylonitrile		0.028	0.034	0.034	0.036	0.039	0.039	0.044	0.036	13.69
28)	TP	Ethyl tert-but...		0.349	0.355	0.388	0.409	0.405	0.374	0.394	0.382	6.13
29)	TP	Vinyl acetate		0.263	0.226	0.220	0.238	0.259	0.257	0.277	0.249	8.45
30)	TP	cis-1,2-Dichlo...		0.160	0.167	0.175	0.198	0.206	0.192	0.205	0.186#	9.97
31)	TP	2,2-Dichloropr...		0.180	0.184	0.209	0.248	0.269	0.254	0.260	0.229	16.33
33)	TP	Bromochloromet...		0.075	0.079	0.083	0.091	0.097	0.092	0.102	0.089#	10.87
34)	TP	Cyclohexane		0.172	0.199	0.216	0.252	0.285	0.273	0.285	0.240	18.73
35)	TP	Chloroform		0.242	0.263	0.276	0.315	0.325	0.302	0.315	0.291#	10.79
36)	TP	Ethyl acetate		0.086	0.086	0.077	0.074	0.079	0.077	0.084	0.081	6.10

Response Factor Report VOA130

Method Path : K:\VOA130\2024\240816NICAL\
Method File : V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...		0.125	0.146	0.166	0.201	0.238	0.230	*Q		0.9971
38)	TP	Tetrahydrofuran		0.033	0.028	0.023	0.023	0.025	0.025	0.028	0.027	13.60
39)	S	Dibromofluorom...	0.240	0.240	0.240	0.246	0.258	0.277	0.287	0.303	0.261	9.46
40)	TP	1,1,1-Trichlor...		0.158	0.186	0.207	0.244	0.277	0.261	0.275	*Q	0.9985
42)	TP	2-Butanone		0.050	0.040	0.035	0.033	0.034	0.034	0.037	0.038	15.52
43)	TP	1,1-Dichloropr...		0.151	0.177	0.188	0.203	0.224	0.215	0.231	0.198	14.22
45)	TP	Benzene	0.695	0.575	0.607	0.626	0.648	0.648	0.599	0.632	0.629	5.82
46)	TP	tert-Amyl meth...		0.323	0.342	0.358	0.379	0.377	0.346	0.348	0.353	5.64
47)	S	1,2-Dichloroet...	0.222	0.225	0.229	0.242	0.242	0.265	0.280	0.292	0.250	10.67
48)	TP	1,2-Dichloroet...		0.152	0.158	0.170	0.187	0.203	0.193	0.203	0.181	11.54
51)	TP	Methyl cyclohe...		0.184	0.222	0.244	0.276	0.283	0.262	0.269	0.249	14.17
52)	TP	Trichloroethene	0.179	0.152	0.155	0.162	0.170	0.178	0.166	0.180	0.168#	6.47
54)	TP	Dibromomethane		0.069	0.078	0.082	0.087	0.095	0.092	0.101	0.086	12.50
55)	TP	1,2-Dichloropr...		0.118	0.136	0.140	0.148	0.163	0.155	0.168	0.147#	11.73
57)	TP	2-Chloroethyl ...		0.073	0.081	0.090	0.095	0.093	0.088	0.086	0.087	8.84
58)	TP	Bromodichlorom...		0.170	0.166	0.176	0.197	0.232	0.225	0.242	0.201#	15.90
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	7.61
62)	TP	cis-1,3-Dichlo...		0.179	0.199	0.217	0.233	0.255	0.244	0.265	0.227#	13.57
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.335	1.348	1.330	1.333	1.296	1.261	1.219	1.192	1.289	4.57
65)	TP	Toluene		0.486	0.531	0.557	0.573	0.536	0.471	0.474	0.518	7.94
66)	TP	4-Methyl-2-pen...			0.038	0.045	0.046	0.045	0.041	0.042	0.043	6.82
67)	TP	Tetrachloroethene		0.184	0.213	0.221	0.227	0.212	0.189	0.193	0.206	8.13
69)	TP	trans-1,3-Dich...		0.202	0.215	0.235	0.241	0.240	0.222	0.241	0.228#	6.64
71)	TP	Ethyl methacry...		0.155	0.186	0.211	0.219	0.213	0.196	0.198	0.197	10.98
72)	TP	1,1,2-Trichlor...		0.119	0.120	0.123	0.118	0.113	0.105	0.114	0.116#	5.26
73)	TP	Chlorodibromom...		0.150	0.151	0.156	0.160	0.164	0.157	0.177	0.159#	5.70
74)	TP	1,3-Dichloropr...		0.230	0.250	0.253	0.242	0.233	0.217	0.235	0.237	5.24
75)	TP	1,2-Dibromoethane		0.125	0.122	0.117	0.110	0.111	0.106	0.122	0.116#	6.37
77)	TP	2-Hexanone		0.061	0.069	0.070	0.075	0.073	0.069	0.070	0.070	6.47
78)	T	Chlorobenzene		0.545	0.570	0.600	0.623	0.601	0.535	0.554	0.575	5.79

Response Factor Report VOA130

Method Path : K:\VOA130\2024\240816NICAL\
Method File : V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		0.851	0.930	1.007	1.069	1.041	0.941	0.977	0.974	7.60
80)	T	1,1,1,2-Tetrac...		0.150	0.159	0.166	0.177	0.174	0.157	0.171	0.165	6.04
81)	TP	p/m Xylene		0.348	0.377	0.399	0.419	0.410	0.372	0.392	0.388	6.29
82)	TP	o Xylene		0.346	0.363	0.381	0.400	0.391	0.358	0.380	0.374	5.14
83)	TP	Styrene		0.547	0.597	0.639	0.672	0.659	0.593	0.612	0.617	6.99
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.158	0.173	0.179	0.184	0.175	0.161	0.171	0.172	5.40
87)	TP	Isopropylbenzene		1.447	1.665	1.821	1.897	1.731	1.545	1.587	1.670	9.47
88)	S	4-Bromofluorob...	0.890	0.885	0.888	0.899	0.892	0.856	0.849	0.855	0.877	2.25
89)	TP	Bromobenzene		0.401	0.431	0.466	0.485	0.451	0.404	0.420	0.437	7.29
90)	TP	n-Propylbenzene		1.767	2.008	2.199	2.259	2.092	1.873	1.867	2.009	9.16
91)	TP	1,4-Dichlorobu...		0.447	0.444	0.473	0.455	0.407	0.371	0.382	0.425	9.17
92)	TP	1,1,2,2-Tetrac...		0.284	0.289	0.318	0.322	0.303	0.283	0.294	0.299	5.28
93)	TP	4-Ethyltoluene		1.447	1.657	1.819	1.897	1.779	1.601	1.619	1.688	9.07
94)	TP	2-Chlorotoluene		1.163	1.266	1.339	1.404	1.286	1.123	1.152	1.248	8.43
95)	TP	1,3,5-Trimethy...		1.267	1.420	1.576	1.694	1.622	1.452	1.446	1.496	9.60
96)	TP	1,2,3-Trichlor...		0.260	0.252	0.273	0.255	0.224	0.206	0.219	0.241	10.23
97)	TP	trans-1,4-Dich...		0.064	0.075	0.076	0.070	0.069	0.067	0.075	0.071	6.44
98)	TP	4-Chlorotoluene		1.210	1.323	1.389	1.450	1.351	1.206	1.234	1.309	7.24
99)	TP	tert-Butylbenzene		1.099	1.241	1.324	1.365	1.249	1.129	1.151	1.223	8.24
102)	TP	1,2,4-Trimethy...		1.151	1.328	1.508	1.637	1.607	1.446	1.442	1.446	11.56
103)	TP	sec-Butylbenzene		1.490	1.761	1.934	1.980	1.824	1.657	1.643	1.756	9.87
104)	TP	p-Isopropyltol...		1.273	1.476	1.643	1.718	1.648	1.492	1.474	1.532	9.82
105)	TP	1,3-Dichlorobe...		0.811	0.843	0.896	0.934	0.890	0.805	0.829	0.858	5.70
106)	TP	1,4-Dichlorobe...		0.803	0.862	0.907	0.938	0.902	0.816	0.833	0.866	5.90
107)	TP	p-Diethylbenzene		0.721	0.800	0.912	0.982	0.995	0.909	0.929	0.893	11.05
108)	TP	n-Butylbenzene		1.002	1.185	1.331	1.433	1.417	1.283	1.265	1.274	11.60
109)	TP	1,2-Dichlorobe...		0.764	0.808	0.849	0.878	0.837	0.767	0.784	0.813	5.40
110)	TP	1,2,4,5-Tetram...		1.125	1.232	1.349	1.497	1.534	1.392	1.403	1.362	10.54
111)	TP	1,2-Dibromo-3-...		0.032	0.045	0.046	0.042	0.043	0.042	0.045	0.042	11.31
112)	TP	1,3,5-Trichlor...		0.500	0.550	0.602	0.660	0.671	0.605	0.627	0.602	10.04

Method Path : K:\VOA130\2024\240816NICAL\
Method File : V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024
Response Via : Initial Calibration

Calibration Files
L11 =V30240816N04.D L1 =V30240816N06.D L2 =V30240816N08.D L3 =V30240816N10.D L4 =V30240816N11.D
L6 =V30240816N12.D L8 =V30240816N13.D L10 =V30240816N14.D

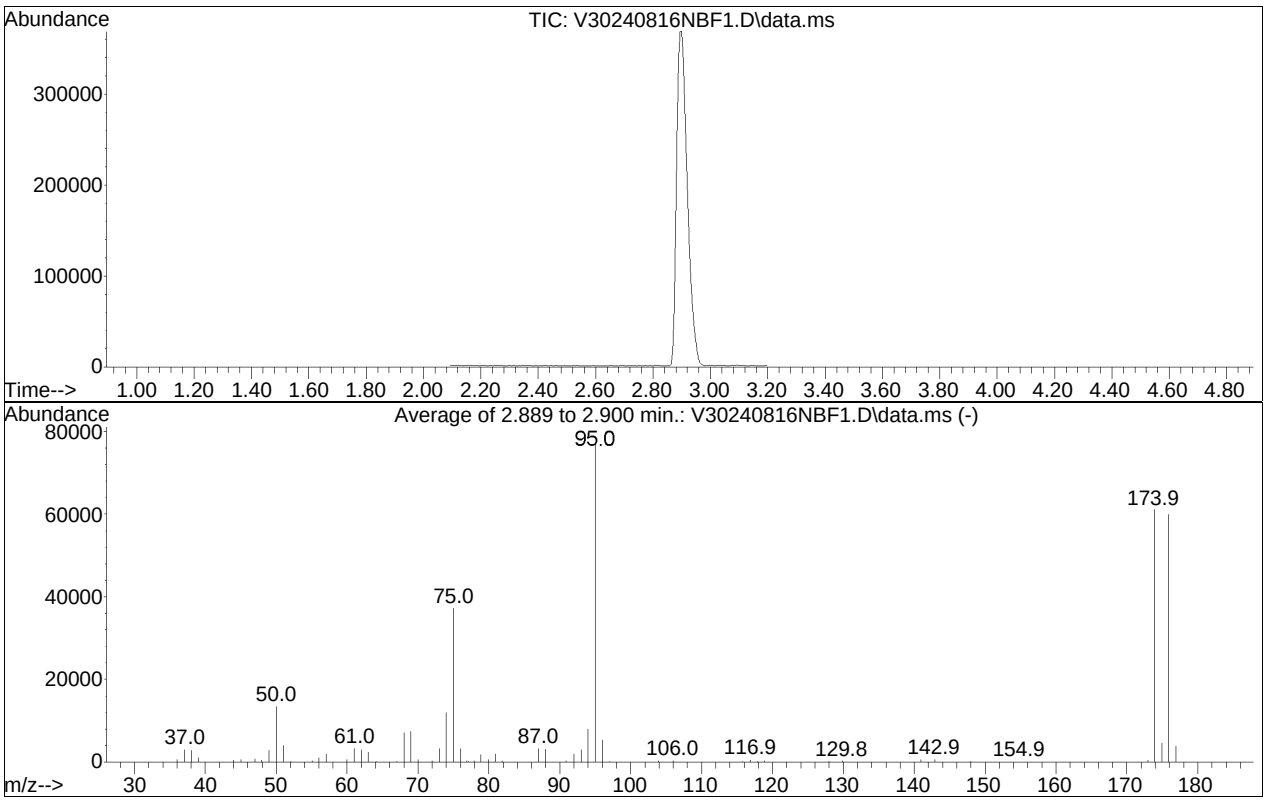
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113)	TP Hexachlorobuta...	0.172	0.193	0.210	0.228	0.229	0.206	0.208	0.207		9.58
114)	TP 1,2,4-Trichlor...	0.465	0.521	0.556	0.594	0.588	0.532	0.553	0.544		8.10
115)	TP Naphthalene	1.090	1.159	1.225	1.216	1.148	1.067	1.087	1.142		5.54
116)	TP 1,2,3-Trichlor...	0.470	0.497	0.538	0.553	0.533	0.484	0.499	0.510		6.05

(#) = Out of Range

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816NBF1.D
Acq On : 16 Aug 2024 08:39 pm
Operator : VOA130:TMS
Sample : WG1961896-1
Misc : WG1961896
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024



AutoFind: Scans 153, 154, 155; Background Corrected with Scan 145

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	13464	PASS
75	95	30	60	48.2	37235	PASS
95	95	100	100	100.0	77320	PASS
96	95	5	9	7.0	5437	PASS
173	174	0.00	2	0.8	505	PASS
174	95	50	100	79.1	61187	PASS
175	174	5	9	7.6	4646	PASS
176	174	95	101	98.1	59995	PASS
177	176	5	9	6.4	3843	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N04.D
Acq On : 16 Aug 2024 10:06 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1961896,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 06:34:02 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.099	96	561675	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 107.17%			
63) Chlorobenzene-d5	9.649	117	419434	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 99.56%			
84) 1,4-Dichlorobenzene-d4	12.334	152	222832	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 103.16%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	134532	9.169	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.69%			
47) 1,2-Dichloroethane-d4	5.811	65	124493	8.877	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.77%			
64) Toluene-d8	7.803	98	560142	10.359	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.59%			
88) 4-Bromofluorobenzene	11.128	95	198360	10.153	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.53%			
Target Compounds						Qvalue
4) Vinyl chloride	1.947	62	2342	0.186	ug/L #	87
37) Carbon tetrachloride	5.255	117	1505M3	0.144	ug/L	
45) Benzene	5.680	78	7416M6	0.210	ug/L	
52) Trichloroethene	6.288	95	1914M6	0.203	ug/L	

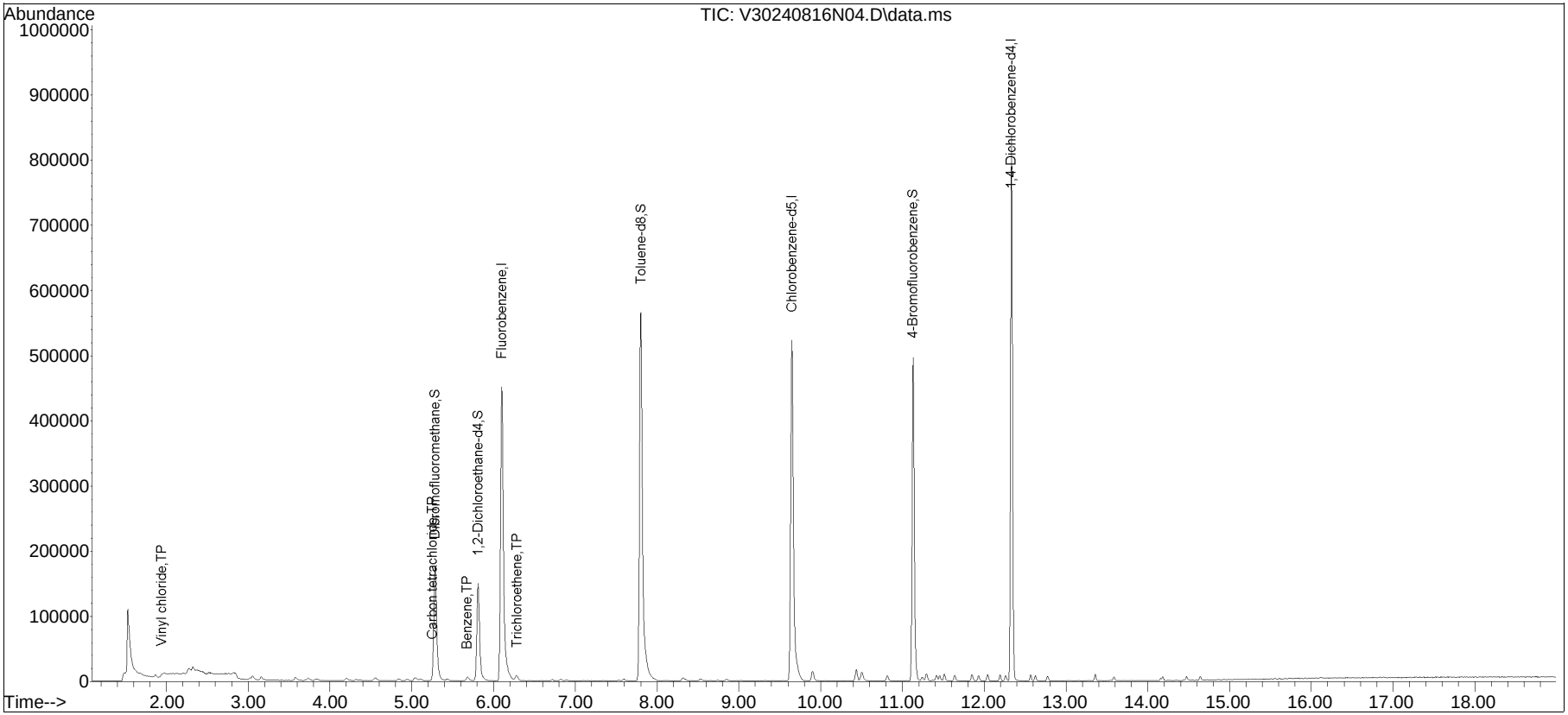
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N04.D
Acq On : 16 Aug 2024 10:06 pm
Operator : VOA130:PID
Sample : I8260STD0.19PPB
Misc : WG1961896,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 06:34:02 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

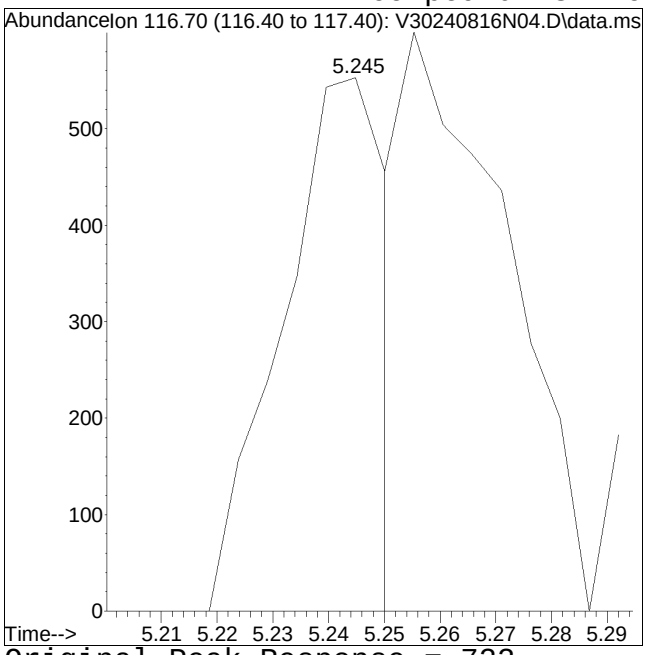
Sub List : 8260-L11 - Level 11 for 8260-LRR productN10.D•

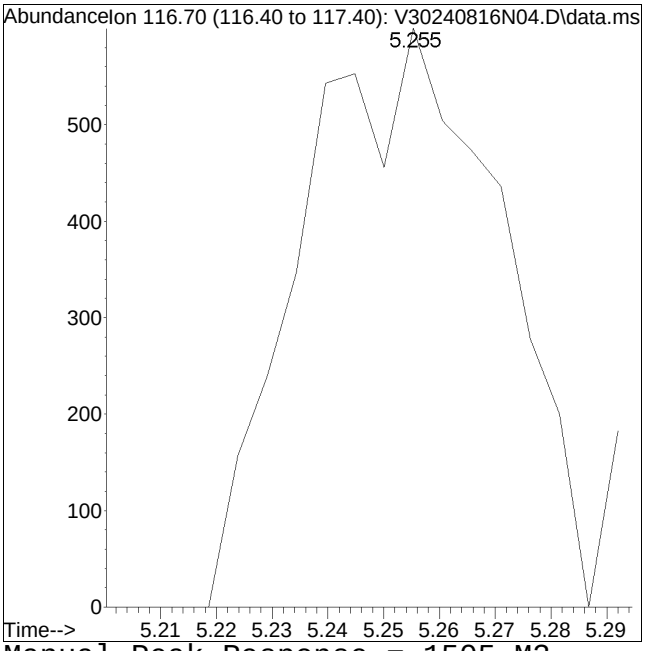


Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N04.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:06 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 8/21/2024 6:33 am

Compound #37: Carbon tetrachloride





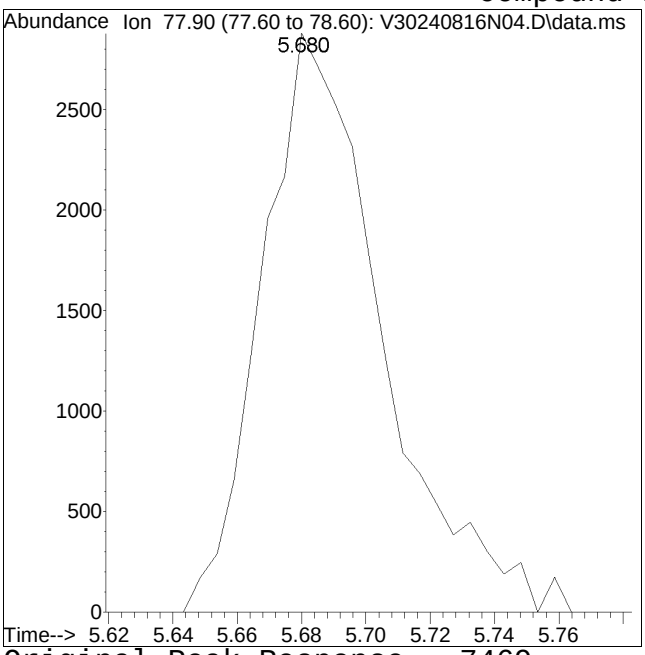
Original Peak Response = 722 Manual Peak Response = 1505 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

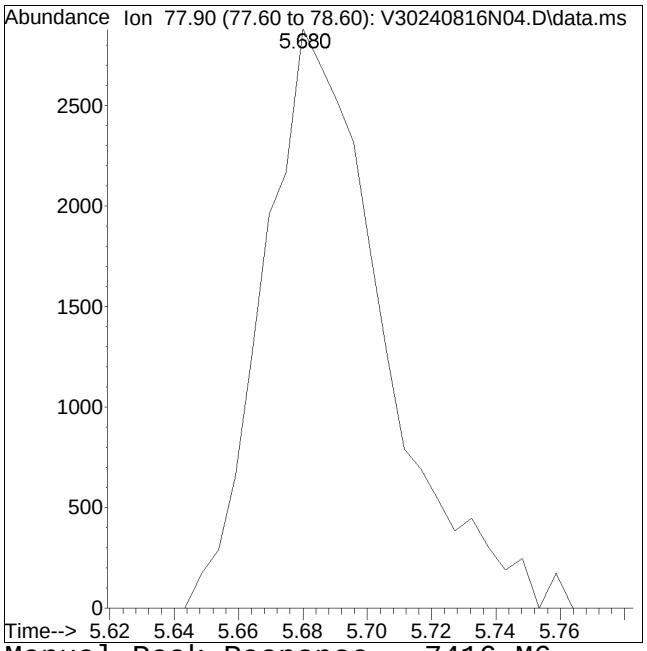
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N04.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:06 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 8/21/2024 6:33 am

Compound #45: Benzene



Original Peak Response = 7469



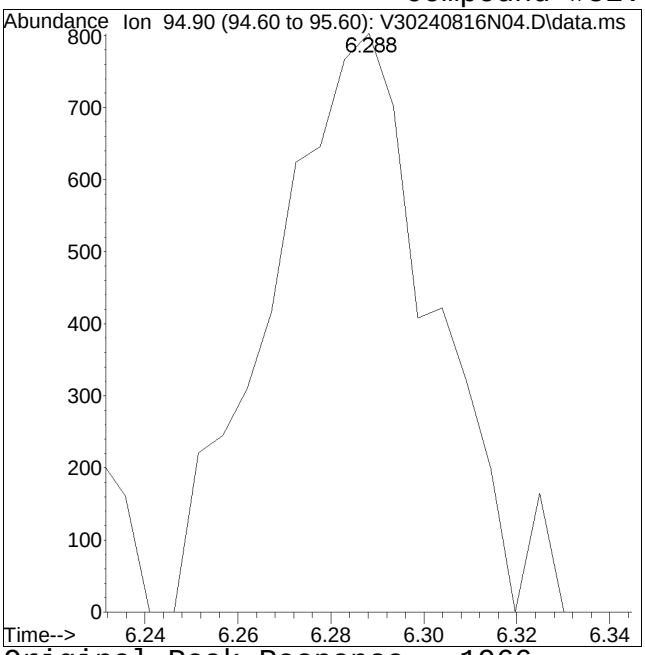
Manual Peak Response = 7416 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

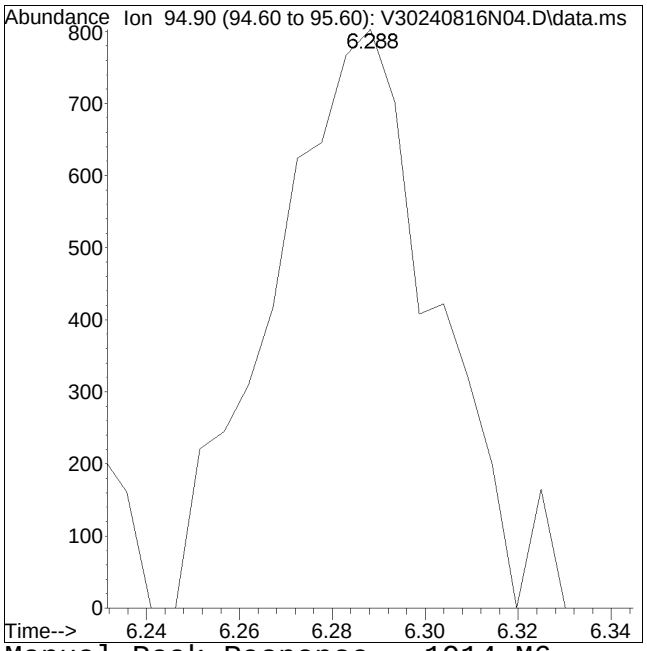
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N04.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:06 pm Instrument : VOA130
Sample : I8260STD0.19PPB Quant Date : 8/21/2024 6:33 am

Compound #52: Trichloroethene



Original Peak Response = 1966



Manual Peak Response = 1914 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N06.D
Acq On : 16 Aug 2024 10:49 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1961896,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:34:10 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	560839	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 107.02%			
63) Chlorobenzene-d5	9.649	117	419964	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 99.68%			
84) 1,4-Dichlorobenzene-d4	12.334	152	224099	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 103.75%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	134800	9.201	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.01%			
47) 1,2-Dichloroethane-d4	5.811	65	125985	8.996	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.96%			
64) Toluene-d8	7.798	98	566143	10.456	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.56%			
88) 4-Bromofluorobenzene	11.128	95	198376	10.096	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.675	85	4894	0.378	ug/L #	89
3) Chloromethane	1.863	50	6956	0.497	ug/L	98
4) Vinyl chloride	1.947	62	4804	0.383	ug/L	95
5) Bromomethane	2.267	94	3977	0.529	ug/L	97
6) Chloroethane	2.388	64	3555	0.445	ug/L	90
7) Trichlorofluoromethane	2.534	101	5136	0.364	ug/L	87
8) Ethyl ether	2.833	74	1622	0.398	ug/L #	72
10) 1,1-Dichloroethene	3.022	96	3424M1	0.396	ug/L	
11) Carbon disulfide	3.053	76	11221	0.415	ug/L	100
12) Freon-113	3.064	101	2513M6	0.318	ug/L	
13) Iodomethane	3.164	142	9059M6	0.604	ug/L	
14) Acrolein	3.337	56	610	0.536	ug/L #	72
15) Methylene chloride	3.578	84	5633	0.487	ug/L	73
17) Acetone	3.614	43	1882	1.082	ug/L #	72
18) trans-1,2-Dichloroethene	3.735	96	3393	0.381	ug/L	82
19) Methyl acetate	3.735	43	1698	0.531	ug/L #	88
21) Methyl tert-butyl ether	3.835	73	8313	0.452	ug/L	88
22) tert-Butyl alcohol	3.913	59	676	2.038	ug/L #	30
24) Diisopropyl ether	4.196	45	9917	0.439	ug/L #	86
25) 1,1-Dichloroethane	4.322	63	6997	0.417	ug/L	100
26) Halothane	4.380	117	2041	0.330	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N06.D
Acq On : 16 Aug 2024 10:49 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1961896,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:34:10 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.359	53	788	0.388	ug/L	#	86
28) Ethyl tert-butyl ether	4.548	59	9779	0.456	ug/L		92
29) Vinyl acetate	4.553	43	7376	0.529	ug/L		98
30) cis-1,2-Dichloroethene	4.847	96	4487	0.430	ug/L	#	74
31) 2,2-Dichloropropane	4.946	77	5050	0.393	ug/L		93
33) Bromochloromethane	5.035	128	2114	0.426	ug/L	#	54
34) Cyclohexane	5.046	56	4824	0.358	ug/L		76
35) Chloroform	5.109	83	6776	0.415	ug/L	#	91
36) Ethyl acetate	5.224	43	2425	0.536	ug/L	#	80
37) Carbon tetrachloride	5.250	117	3517	0.337	ug/L	#	82
38) Tetrahydrofuran	5.271	42	926M6	0.620	ug/L		
40) 1,1,1-Trichloroethane	5.313	97	4439	0.344	ug/L	#	78
42) 2-Butanone	5.397	43	1397	0.662	ug/L	#	60
43) 1,1-Dichloropropene	5.439	75	4247	0.382	ug/L		95
45) Benzene	5.680	78	16126	0.457	ug/L		94
46) tert-Amyl methyl ether	5.796	73	9046	0.457	ug/L		98
48) 1,2-Dichloroethane	5.885	62	4270	0.421	ug/L		93
51) Methyl cyclohexane	6.278	83	5159	0.370	ug/L	#	79
52) Trichloroethene	6.283	95	4267	0.454	ug/L		97
54) Dibromomethane	6.718	93	1933	0.399	ug/L	#	85
55) 1,2-Dichloropropane	6.823	63	3304	0.401	ug/L		96
57) 2-Chloroethyl vinyl ether	7.531	63	2043	0.421	ug/L		89
58) Bromodichloromethane	6.897	83	4761	0.422	ug/L	#	93
61) 1,4-Dioxane	7.106	88	4974	94.264	ug/L		90
62) cis-1,3-Dichloropropene	7.589	75	5011	0.393	ug/L		90
65) Toluene	7.861	92	10199	0.469	ug/L		98
66) 4-Methyl-2-pentanone	8.297	58	436	0.262	ug/L	#	1
67) Tetrachloroethene	8.318	166	3866	0.448	ug/L		89
69) trans-1,3-Dichloropropene	8.344	75	4252	0.444	ug/L		89
71) Ethyl methacrylate	8.538	69	3262	0.394	ug/L	#	74
72) 1,1,2-Trichloroethane	8.527	83	2498	0.513	ug/L		97
73) Chlorodibromomethane	8.742	129	3156	0.472	ug/L	#	95
74) 1,3-Dichloropropane	8.847	76	4832	0.485	ug/L		100
75) 1,2-Dibromoethane	9.015	107	2635	0.541	ug/L		93
77) 2-Hexanone	9.319	43	1277	0.437	ug/L	#	73
78) Chlorobenzene	9.670	112	11442	0.474	ug/L	#	70
79) Ethylbenzene	9.712	91	17860	0.437	ug/L		100
80) 1,1,1,2-Tetrachloroethane	9.754	131	3151	0.455	ug/L	#	62
81) p/m Xylene	9.901	106	14625	0.897	ug/L		93
82) o Xylene	10.436	106	14536	0.925	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N06.D
Acq On : 16 Aug 2024 10:49 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1961896,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:34:10 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	22973	0.887	ug/L		94
85) Bromoform	10.525	173	1771	0.460	ug/L		99
87) Isopropylbenzene	10.813	105	16219	0.433	ug/L		96
89) Bromobenzene	11.248	156	4497	0.459	ug/L		99
90) n-Propylbenzene	11.290	91	19794	0.440	ug/L		95
91) 1,4-Dichlorobutane	11.301	55	5014	0.526	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.369	83	3187	0.475	ug/L	#	96
93) 4-Ethyltoluene	11.416	105	16211	0.428	ug/L		98
94) 2-Chlorotoluene	11.453	91	13032	0.466	ug/L	#	82
95) 1,3,5-Trimethylbenzene	11.511	105	14197	0.423	ug/L		99
96) 1,2,3-Trichloropropane	11.511	75	2909	0.538	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.563	53	718	0.452	ug/L		92
98) 4-Chlorotoluene	11.636	91	13559	0.462	ug/L		96
99) tert-Butylbenzene	11.851	119	12315	0.449	ug/L		93
102) 1,2,4-Trimethylbenzene	11.930	105	12893	0.398	ug/L		96
103) sec-Butylbenzene	12.040	105	16690	0.424	ug/L		93
104) p-Isopropyltoluene	12.192	119	14259	0.415	ug/L		95
105) 1,3-Dichlorobenzene	12.260	146	9088	0.472	ug/L		96
106) 1,4-Dichlorobenzene	12.349	146	9001M3	0.464	ug/L		
107) p-Diethylbenzene	12.570	119	8081	0.404	ug/L		94
108) n-Butylbenzene	12.622	91	11225	0.393	ug/L		95
109) 1,2-Dichlorobenzene	12.774	146	8559	0.470	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.356	119	12609	0.413	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.545	155	357	0.378	ug/L		85
112) 1,3,5-Trichlorobenzene	13.587	180	5602	0.415	ug/L		91
113) Hexachlorobutadiene	14.158	225	1930	0.417	ug/L		97
114) 1,2,4-Trichlorobenzene	14.179	180	5211	0.427	ug/L		94
115) Naphthalene	14.473	128	12218	0.478	ug/L		100
116) 1,2,3-Trichlorobenzene	14.641	180	5261	0.460	ug/L		97

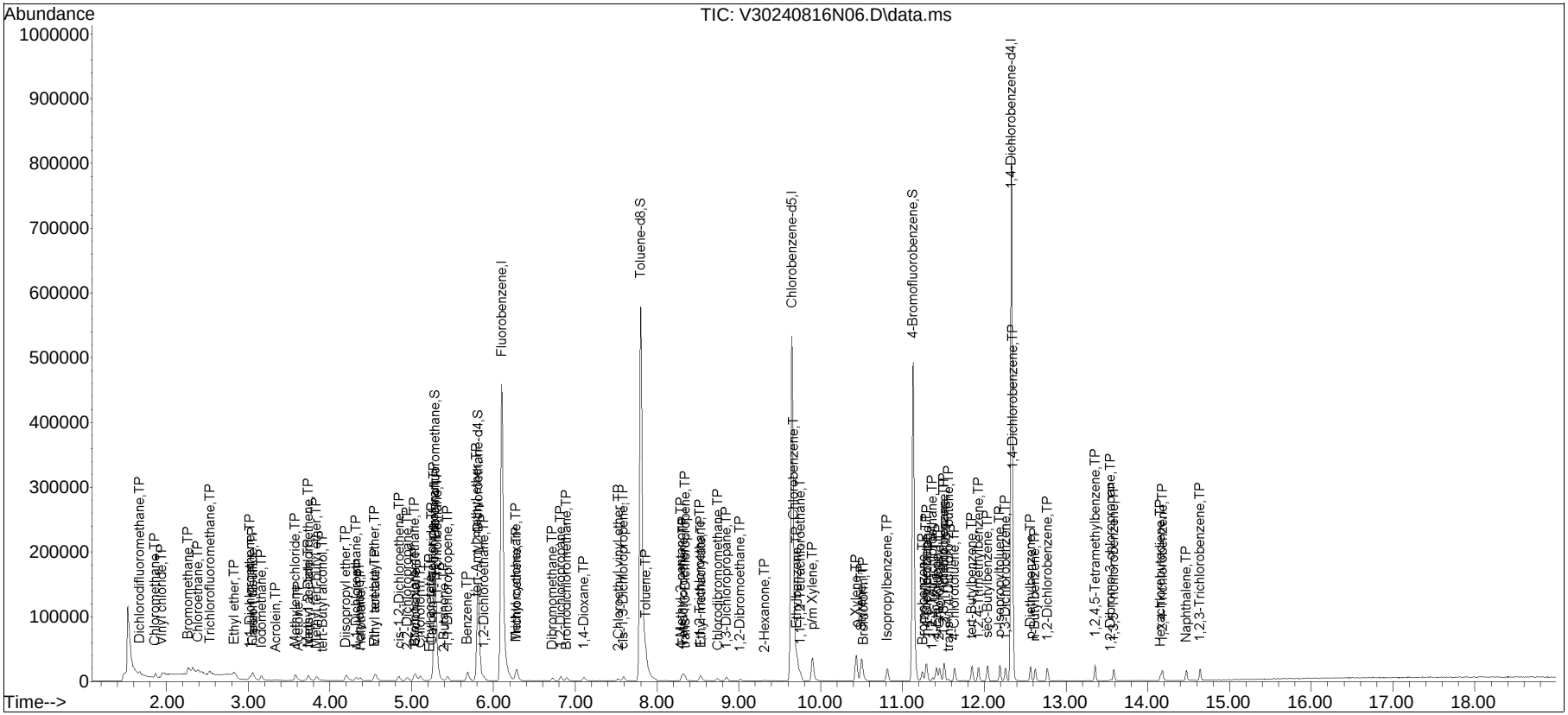
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N06.D
Acq On : 16 Aug 2024 10:49 pm
Operator : VOA130:PID
Sample : I8260STD0.5PPB
Misc : WG1961896,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 06:34:10 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

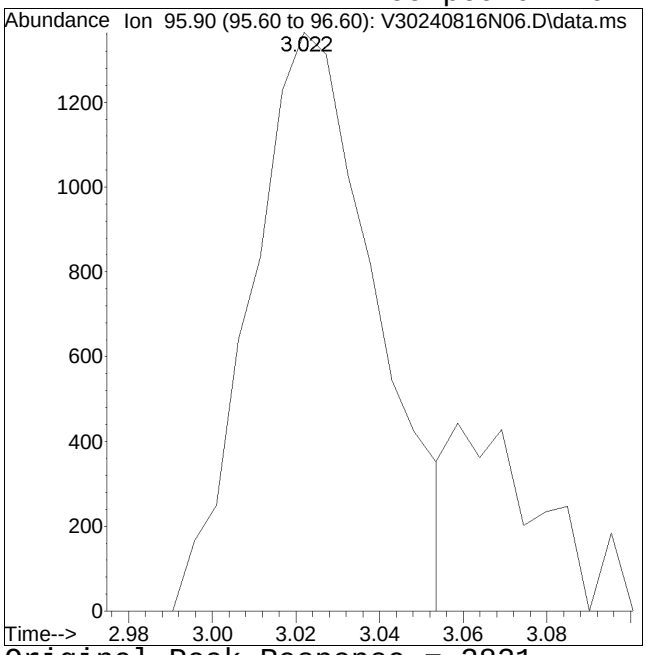
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•

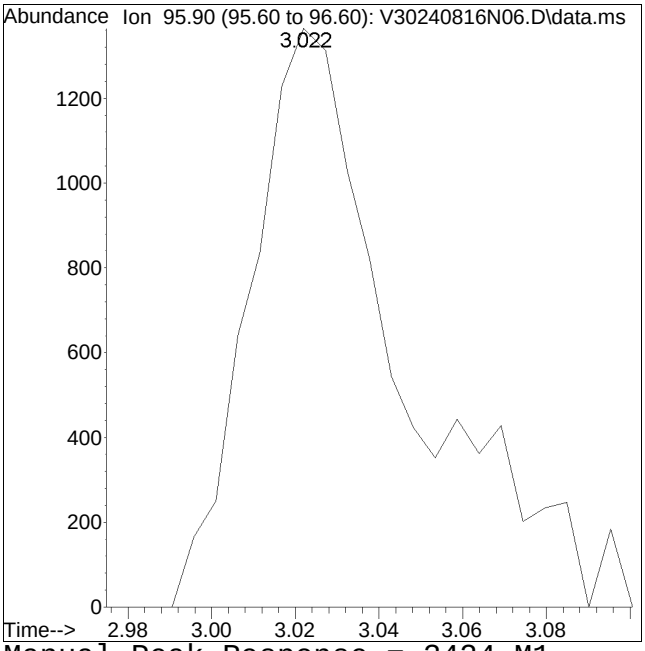


Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N06.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:49 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/21/2024 6:34 am

Compound #10: 1,1-Dichloroethene



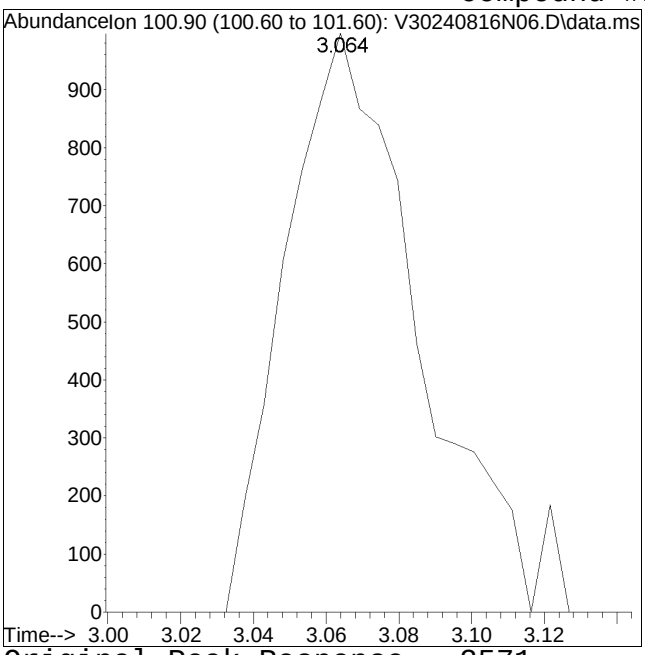


Original Peak Response = 2821 Manual Peak Response = 3424 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

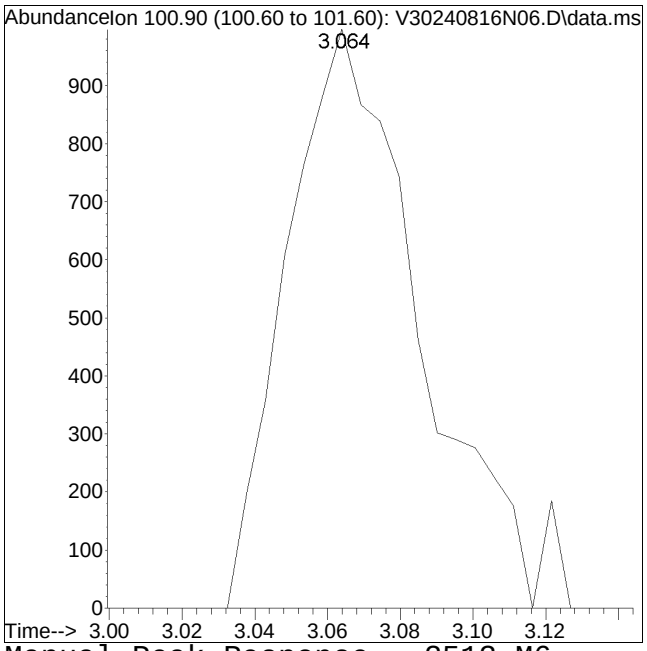
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N06.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:49 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/21/2024 6:34 am

Compound #12: Freon-113



Original Peak Response = 2571



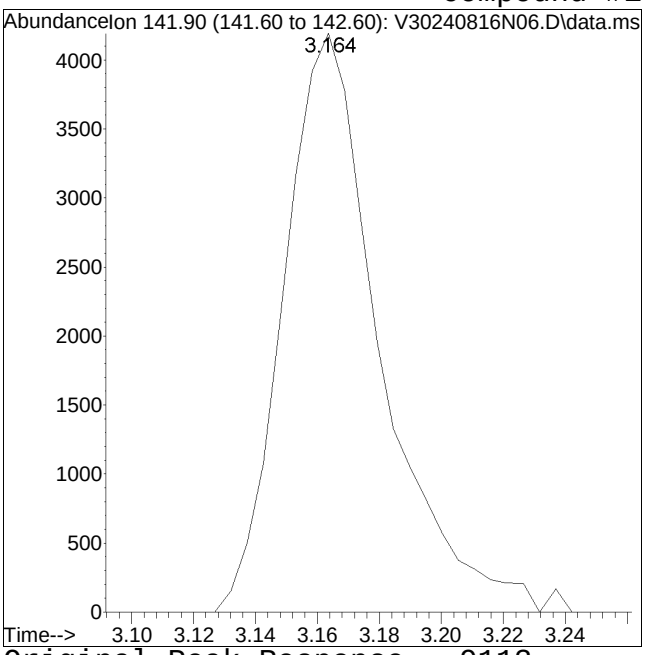
Manual Peak Response = 2513 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

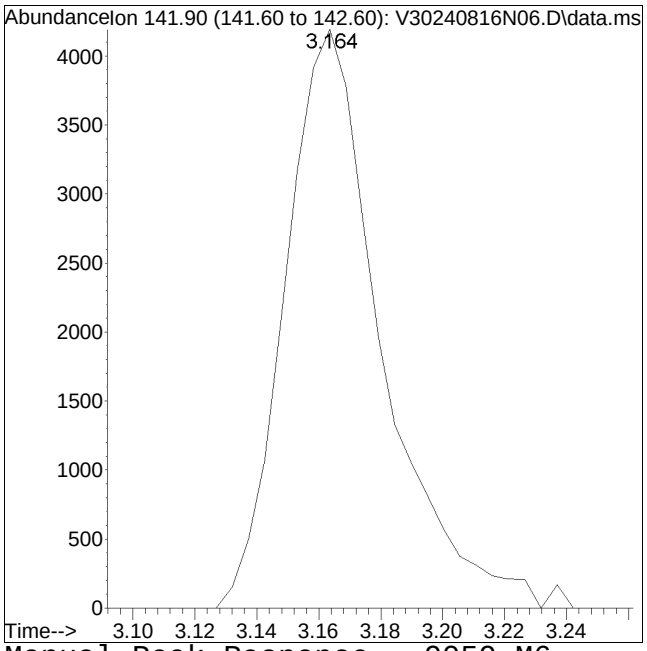
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N06.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:49 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/21/2024 6:34 am

Compound #13: Iodomethane



Original Peak Response = 9113



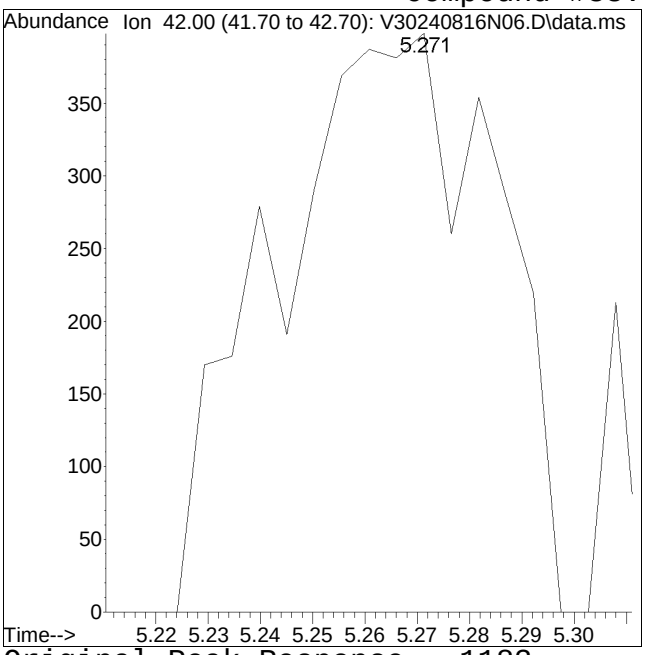
Manual Peak Response = 9059 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

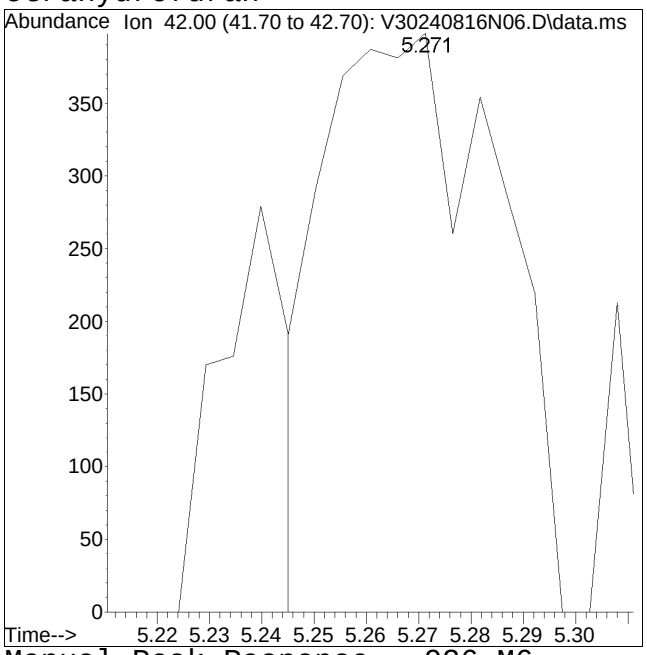
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N06.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:49 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/21/2024 6:34 am

Compound #38: Tetrahydrofuran



Original Peak Response = 1183



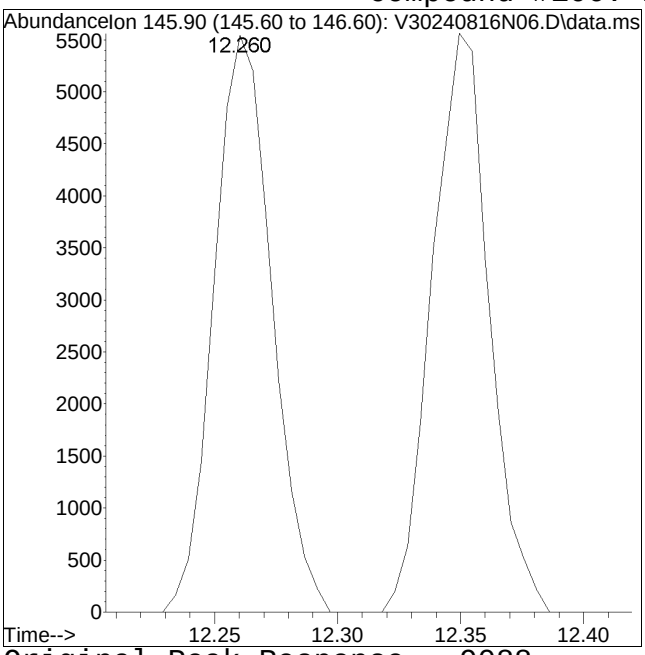
Manual Peak Response = 926 M6

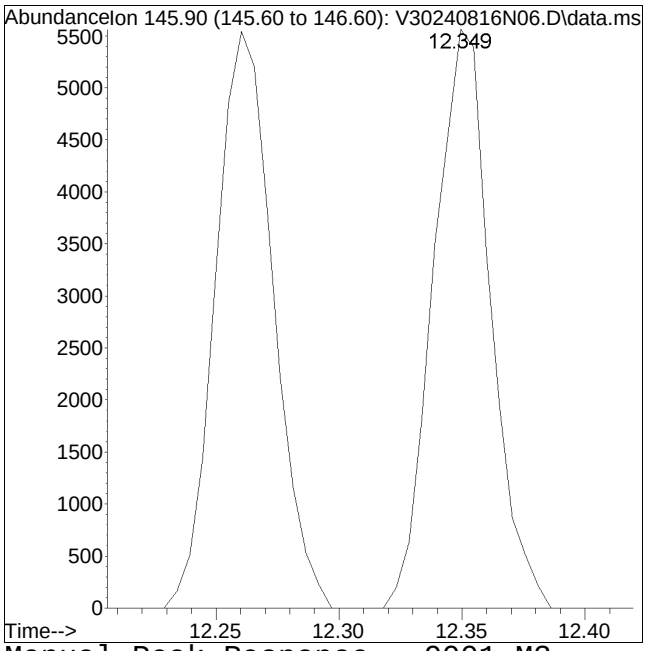
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N06.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 10:49 pm Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 8/21/2024 6:34 am

Compound #106: 1,4-Dichlorobenzene





Original Peak Response = 9088 Manual Peak Response = 9001 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N08.D
Acq On : 16 Aug 2024 11:33 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1961896,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 06:34:18 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.105	96	530487	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 101.22%			
63) Chlorobenzene-d5	9.649	117	407939	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 96.83%			
84) 1,4-Dichlorobenzene-d4	12.334	152	214011	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 99.08%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	127252	9.182	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.82%			
47) 1,2-Dichloroethane-d4	5.811	65	121578	9.178	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.78%			
64) Toluene-d8	7.798	98	542454	10.314	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.14%			
88) 4-Bromofluorobenzene	11.133	95	189958	10.123	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.23%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	22060	1.801	ug/L	95
3) Chloromethane	1.863	50	25471	1.925	ug/L	98
4) Vinyl chloride	1.947	62	21512	1.812	ug/L	97
5) Bromomethane	2.267	94	12939	1.819	ug/L	94
6) Chloroethane	2.387	64	13937	1.843	ug/L	91
7) Trichlorofluoromethane	2.529	101	23449	1.755	ug/L	100
8) Ethyl ether	2.828	74	6594	1.710	ug/L	83
10) 1,1-Dichloroethene	3.022	96	14752	1.803	ug/L #	71
11) Carbon disulfide	3.053	76	45363	1.775	ug/L	99
12) Freon-113	3.064	101	11852	1.585	ug/L	88
13) Iodomethane	3.163	142	24430	1.721	ug/L	99
14) Acrolein	3.336	56	2087	1.937	ug/L #	63
15) Methylene chloride	3.578	84	20475	1.871	ug/L	75
17) Acetone	3.620	43	2866	1.742	ug/L #	85
18) trans-1,2-Dichloroethene	3.735	96	14735	1.749	ug/L	80
19) Methyl acetate	3.735	43	5687	1.881	ug/L #	86
21) Methyl tert-butyl ether	3.835	73	32312	1.859	ug/L #	89
22) tert-Butyl alcohol	3.913	59	2877	9.171	ug/L #	53
24) Diisopropyl ether	4.202	45	39554	1.850	ug/L #	93
25) 1,1-Dichloroethane	4.322	63	29131	1.836	ug/L	98
26) Halothane	4.375	117	8788	1.501	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N08.D
Acq On : 16 Aug 2024 11:33 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1961896,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 06:34:18 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.348	53	3592	1.869	ug/L		91
28) Ethyl tert-butyl ether	4.553	59	37715	1.861	ug/L		83
29) Vinyl acetate	4.553	43	23988	1.819	ug/L	#	90
30) cis-1,2-Dichloroethene	4.841	96	17766	1.799	ug/L	#	76
31) 2,2-Dichloropropane	4.946	77	19481	1.603	ug/L		83
33) Bromochloromethane	5.030	128	8388	1.786	ug/L	#	56
34) Cyclohexane	5.051	56	21103	1.655	ug/L		77
35) Chloroform	5.103	83	27866	1.804	ug/L		92
36) Ethyl acetate	5.219	43	9155	2.138	ug/L		96
37) Carbon tetrachloride	5.255	117	15445	1.565	ug/L	#	93
38) Tetrahydrofuran	5.266	42	3008	2.131	ug/L	#	88
40) 1,1,1-Trichloroethane	5.313	97	19741	1.620	ug/L		92
42) 2-Butanone	5.402	43	4234M3	2.120	ug/L		
43) 1,1-Dichloropropene	5.439	75	18735	1.780	ug/L		94
45) Benzene	5.680	78	64368	1.930	ug/L		94
46) tert-Amyl methyl ether	5.801	73	36250	1.935	ug/L		95
48) 1,2-Dichloroethane	5.879	62	16802	1.750	ug/L	#	95
51) Methyl cyclohexane	6.283	83	23583	1.788	ug/L		81
52) Trichloroethene	6.283	95	16428	1.847	ug/L		91
54) Dibromomethane	6.724	93	8317	1.815	ug/L	#	90
55) 1,2-Dichloropropane	6.828	63	14466	1.857	ug/L		96
57) 2-Chloroethyl vinyl ether	7.526	63	8569	1.865	ug/L	#	85
58) Bromodichloromethane	6.897	83	17650	1.653	ug/L		99
61) 1,4-Dioxane	7.101	88	17971	360.062	ug/L	#	90
62) cis-1,3-Dichloropropene	7.594	75	21160	1.755	ug/L	#	85
65) Toluene	7.856	92	43342	2.050	ug/L		99
66) 4-Methyl-2-pentanone	8.291	58	3101	1.921	ug/L	#	87
67) Tetrachloroethene	8.317	166	17394	2.074	ug/L	#	88
69) trans-1,3-Dichloropropene	8.338	75	17557	1.886	ug/L	#	77
71) Ethyl methacrylate	8.532	69	15210	1.892	ug/L	#	83
72) 1,1,2-Trichloroethane	8.527	83	9758	2.063	ug/L		93
73) Chlorodibromomethane	8.737	129	12355	1.901	ug/L		97
74) 1,3-Dichloropropane	8.847	76	20419	2.110	ug/L		100
75) 1,2-Dibromoethane	9.015	107	9951	2.102	ug/L		99
77) 2-Hexanone	9.308	43	5639	1.989	ug/L		98
78) Chlorobenzene	9.670	112	46492	1.981	ug/L		89
79) Ethylbenzene	9.712	91	75885	1.910	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.754	131	12944	1.924	ug/L		97
81) p/m Xylene	9.901	106	61522	3.883	ug/L		92
82) o Xylene	10.436	106	59227	3.880	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N08.D
Acq On : 16 Aug 2024 11:33 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1961896,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 06:34:18 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.499	104	97381	3.870	ug/L	93
85) Bromoform	10.520	173	7400	2.015	ug/L	99
87) Isopropylbenzene	10.813	105	71264	1.994	ug/L	96
89) Bromobenzene	11.243	156	18457	1.974	ug/L	99
90) n-Propylbenzene	11.290	91	85956	1.999	ug/L	94
91) 1,4-Dichlorobutane	11.296	55	18984	2.085	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.369	83	12370	1.933	ug/L	99
93) 4-Ethyltoluene	11.416	105	70913	1.963	ug/L	95
94) 2-Chlorotoluene	11.453	91	54188M1	2.030	ug/L	
95) 1,3,5-Trimethylbenzene	11.510	105	60766	1.897	ug/L	96
96) 1,2,3-Trichloropropane	11.510	75	10779	2.089	ug/L	85
97) trans-1,4-Dichloro-2-b...	11.558	53	3215	2.121	ug/L	96
98) 4-Chlorotoluene	11.636	91	56607	2.021	ug/L	95
99) tert-Butylbenzene	11.851	119	53108	2.030	ug/L	94
102) 1,2,4-Trimethylbenzene	11.930	105	56828	1.837	ug/L	97
103) sec-Butylbenzene	12.040	105	75389	2.007	ug/L	93
104) p-Isopropyltoluene	12.192	119	63193	1.927	ug/L	96
105) 1,3-Dichlorobenzene	12.260	146	36099	1.965	ug/L	98
106) 1,4-Dichlorobenzene	12.349	146	36898	1.991	ug/L	97
107) p-Diethylbenzene	12.564	119	34250	1.793	ug/L	97
108) n-Butylbenzene	12.622	91	50734	1.861	ug/L	97
109) 1,2-Dichlorobenzene	12.774	146	34587	1.989	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.356	119	52713	1.809	ug/L	96
111) 1,2-Dibromo-3-chloropr...	13.550	155	1931	2.143	ug/L	99
112) 1,3,5-Trichlorobenzene	13.582	180	23537	1.827	ug/L	95
113) Hexachlorobutadiene	14.158	225	8264	1.868	ug/L	98
114) 1,2,4-Trichlorobenzene	14.179	180	22280	1.913	ug/L	99
115) Naphthalene	14.473	128	49591	2.030	ug/L	100
116) 1,2,3-Trichlorobenzene	14.641	180	21285	1.949	ug/L	96

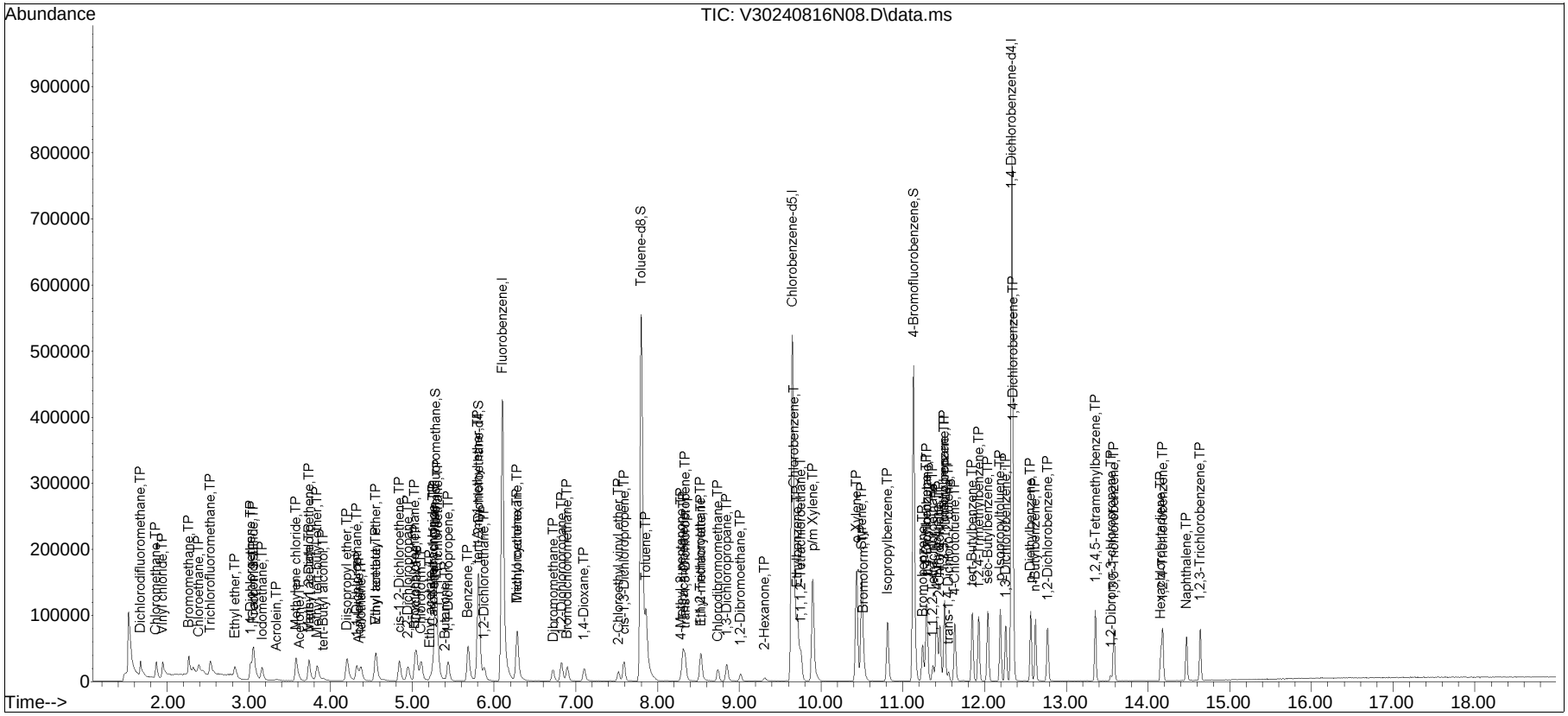
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N08.D
Acq On : 16 Aug 2024 11:33 pm
Operator : VOA130:PID
Sample : I8260STD2PPB
Misc : WG1961896,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 21 06:34:18 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

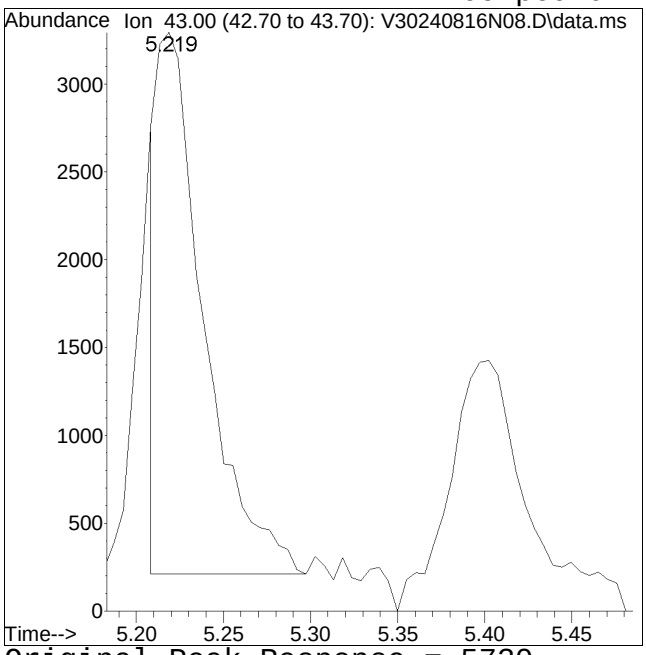
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•

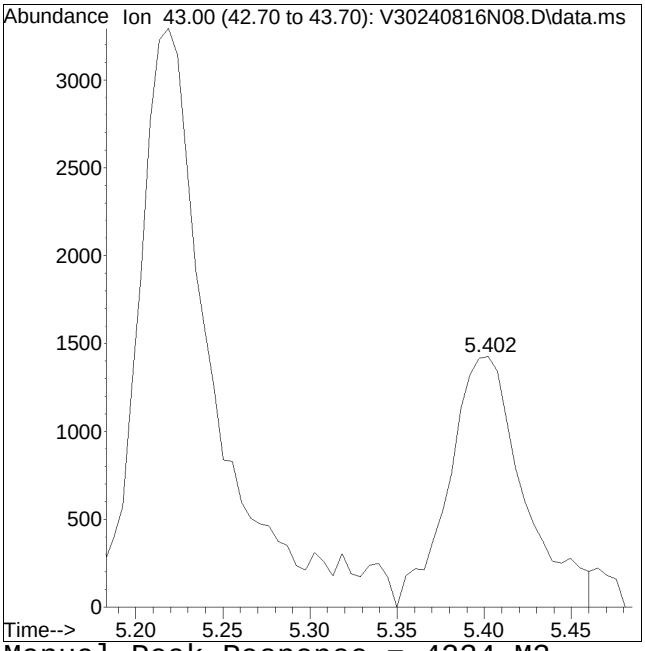


Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N08.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 11:33 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/21/2024 6:34 am

Compound #42: 2-Butanone





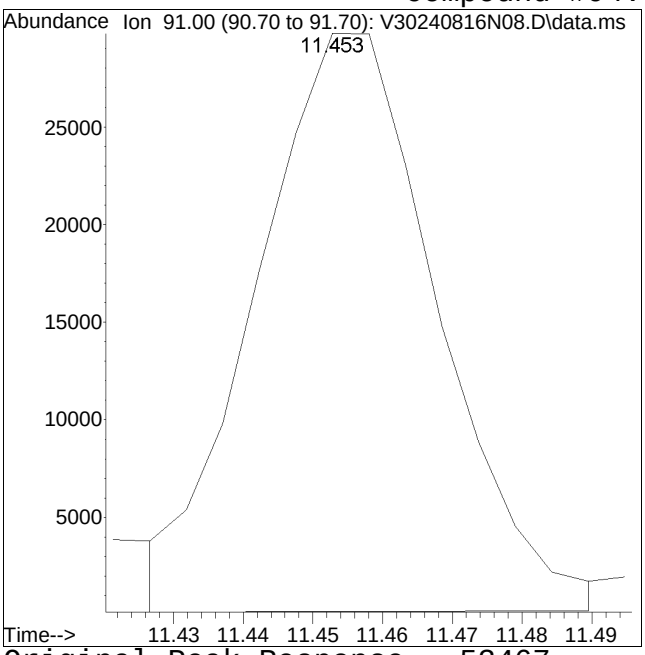
Original Peak Response = 5730 Manual Peak Response = 4234 M3

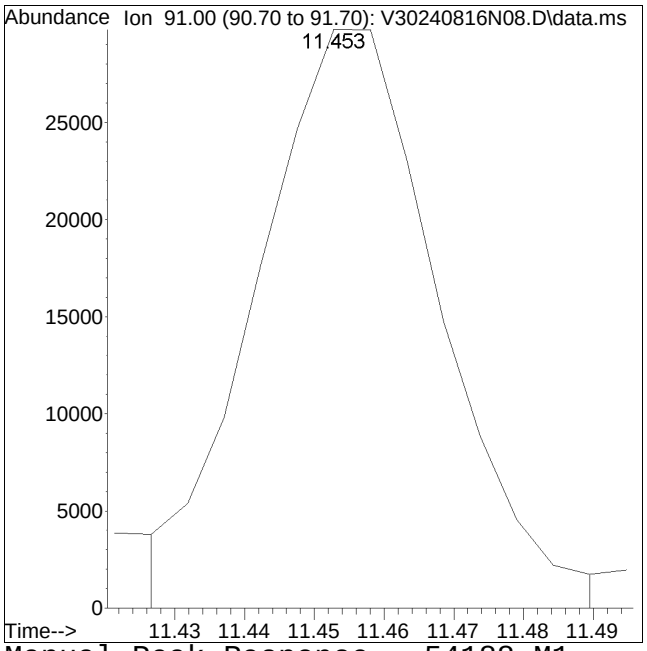
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N08.D Operator : VOA130:PID
Date Inj'd : 8/16/2024 11:33 pm Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene





Original Peak Response = 53467 Manual Peak Response = 54188 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N10.D
Acq On : 17 Aug 2024 12:16 am
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:34:25 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	524074	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 100.00%			
63) Chlorobenzene-d5	9.649	117	421293	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.334	152	215997	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	128732	9.403	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.03%			
47) 1,2-Dichloroethane-d4	5.811	65	126648	9.678	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.78%			
64) Toluene-d8	7.798	98	561417	10.336	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.36%			
88) 4-Bromofluorobenzene	11.133	95	194180	10.253	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.675	85	120157	9.928	ug/L	95
3) Chloromethane	1.869	50	127519	9.755	ug/L	98
4) Vinyl chloride	1.947	62	115993	9.892	ug/L	100
5) Bromomethane	2.267	94	64180	9.135	ug/L	97
6) Chloroethane	2.388	64	72759	9.742	ug/L	99
7) Trichlorofluoromethane	2.529	101	126586	9.590	ug/L	99
8) Ethyl ether	2.828	74	34799	9.132	ug/L	78
10) 1,1-Dichloroethene	3.022	96	77902	9.640	ug/L #	71
11) Carbon disulfide	3.053	76	234936	9.306	ug/L	100
12) Freon-113	3.064	101	69162	9.362	ug/L	85
13) Iodomethane	3.164	142	118403	8.443	ug/L	99
14) Acrolein	3.337	56	9279	8.719	ug/L	95
15) Methylene chloride	3.578	84	102010	9.438	ug/L	76
17) Acetone	3.609	43	12175	7.489	ug/L #	87
18) trans-1,2-Dichloroethene	3.735	96	80797	9.708	ug/L	79
19) Methyl acetate	3.735	43	28300	9.474	ug/L #	80
21) Methyl tert-butyl ether	3.835	73	156534	9.115	ug/L #	87
22) tert-Butyl alcohol	3.919	59	15008	48.427	ug/L #	53
24) Diisopropyl ether	4.202	45	218206	10.332	ug/L #	94
25) 1,1-Dichloroethane	4.322	63	152025	9.699	ug/L #	97
26) Halothane	4.369	117	49634	8.581	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N10.D
Acq On : 17 Aug 2024 12:16 am
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:34:25 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	17845	9.399	ug/L		96
28) Ethyl tert-butyl ether	4.548	59	203304	10.156	ug/L		80
29) Vinyl acetate	4.553	43	115093	8.836	ug/L	#	89
30) cis-1,2-Dichloroethene	4.841	96	91708	9.402	ug/L	#	79
31) 2,2-Dichloropropane	4.946	77	109376	9.111	ug/L		78
33) Bromochloromethane	5.035	128	43612	9.400	ug/L	#	56
34) Cyclohexane	5.051	56	113358	8.999	ug/L		77
35) Chloroform	5.109	83	144628	9.479	ug/L		91
36) Ethyl acetate	5.219	43	40537	9.582	ug/L	#	93
37) Carbon tetrachloride	5.250	117	86809	8.903	ug/L		98
38) Tetrahydrofuran	5.256	42	11804	8.464	ug/L	#	75
40) 1,1,1-Trichloroethane	5.313	97	108420	9.004	ug/L		92
42) 2-Butanone	5.392	43	18434M3	9.343	ug/L		
43) 1,1-Dichloropropene	5.434	75	98542	9.478	ug/L		94
45) Benzene	5.680	78	328137	9.958	ug/L		94
46) tert-Amyl methyl ether	5.796	73	187493	10.130	ug/L		94
48) 1,2-Dichloroethane	5.880	62	89212	9.406	ug/L	#	97
51) Methyl cyclohexane	6.283	83	127689	9.799	ug/L		82
52) Trichloroethene	6.283	95	84794	9.647	ug/L		91
54) Dibromomethane	6.718	93	43089	9.518	ug/L	#	88
55) 1,2-Dichloropropane	6.823	63	73205	9.515	ug/L		96
57) 2-Chloroethyl vinyl ether	7.515	63	47424	10.449	ug/L	#	80
58) Bromodichloromethane	6.897	83	91976	8.718	ug/L	#	99
61) 1,4-Dioxane	7.106	88	23397	474.512	ug/L	#	88
62) cis-1,3-Dichloropropene	7.589	75	113483	9.526	ug/L	#	81
65) Toluene	7.861	92	234799	10.753	ug/L		99
66) 4-Methyl-2-pentanone	8.291	58	18912	11.342	ug/L	#	77
67) Tetrachloroethene	8.312	166	92898	10.728	ug/L	#	91
69) trans-1,3-Dichloropropene	8.339	75	98990	10.299	ug/L	#	76
71) Ethyl methacrylate	8.533	69	89040	10.722	ug/L		88
72) 1,1,2-Trichloroethane	8.522	83	51928	10.631	ug/L		95
73) Chlorodibromomethane	8.737	129	65738	9.795	ug/L		98
74) 1,3-Dichloropropane	8.847	76	106523	10.659	ug/L		99
75) 1,2-Dibromoethane	9.015	107	49203	10.063	ug/L		100
77) 2-Hexanone	9.303	43	29298	10.006	ug/L	#	87
78) Chlorobenzene	9.670	112	252735	10.427	ug/L		95
79) Ethylbenzene	9.712	91	424054	10.338	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.754	131	69965	10.072	ug/L		98
81) p/m Xylene	9.896	106	336347	20.558	ug/L		92
82) o Xylene	10.431	106	320837	20.353	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N10.D
Acq On : 17 Aug 2024 12:16 am
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:34:25 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	538159	20.707	ug/L		92
85) Bromoform	10.520	173	38755	10.454	ug/L		96
87) Isopropylbenzene	10.813	105	393242	10.900	ug/L		96
89) Bromobenzene	11.243	156	100716	10.673	ug/L		100
90) n-Propylbenzene	11.290	91	474949	10.944	ug/L		95
91) 1,4-Dichlorobutane	11.301	55	102127	11.114	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.369	83	68724	10.638	ug/L		99
93) 4-Ethyltoluene	11.411	105	392842	10.773	ug/L		98
94) 2-Chlorotoluene	11.453	91	289162M1	10.731	ug/L		
95) 1,3,5-Trimethylbenzene	11.511	105	340364	10.530	ug/L		96
96) 1,2,3-Trichloropropane	11.505	75	58877M1	11.306	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	16408	10.728	ug/L	#	88
98) 4-Chlorotoluene	11.636	91	299917	10.608	ug/L		93
99) tert-Butylbenzene	11.851	119	285976	10.829	ug/L		93
102) 1,2,4-Trimethylbenzene	11.925	105	325714	10.432	ug/L		97
103) sec-Butylbenzene	12.040	105	417822	11.018	ug/L		94
104) p-Isopropyltoluene	12.192	119	354964	10.727	ug/L		96
105) 1,3-Dichlorobenzene	12.260	146	193568	10.440	ug/L		97
106) 1,4-Dichlorobenzene	12.350	146	195941	10.476	ug/L		98
107) p-Diethylbenzene	12.564	119	196886	10.211	ug/L		96
108) n-Butylbenzene	12.622	91	287406	10.447	ug/L	#	97
109) 1,2-Dichlorobenzene	12.769	146	183485	10.454	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.356	119	291458	9.909	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.545	155	9896	10.882	ug/L		97
112) 1,3,5-Trichlorobenzene	13.582	180	129978	9.994	ug/L		96
113) Hexachlorobutadiene	14.158	225	45417	10.173	ug/L		98
114) 1,2,4-Trichlorobenzene	14.179	180	120183	10.223	ug/L		98
115) Naphthalene	14.468	128	264659	10.732	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	116202	10.540	ug/L		98

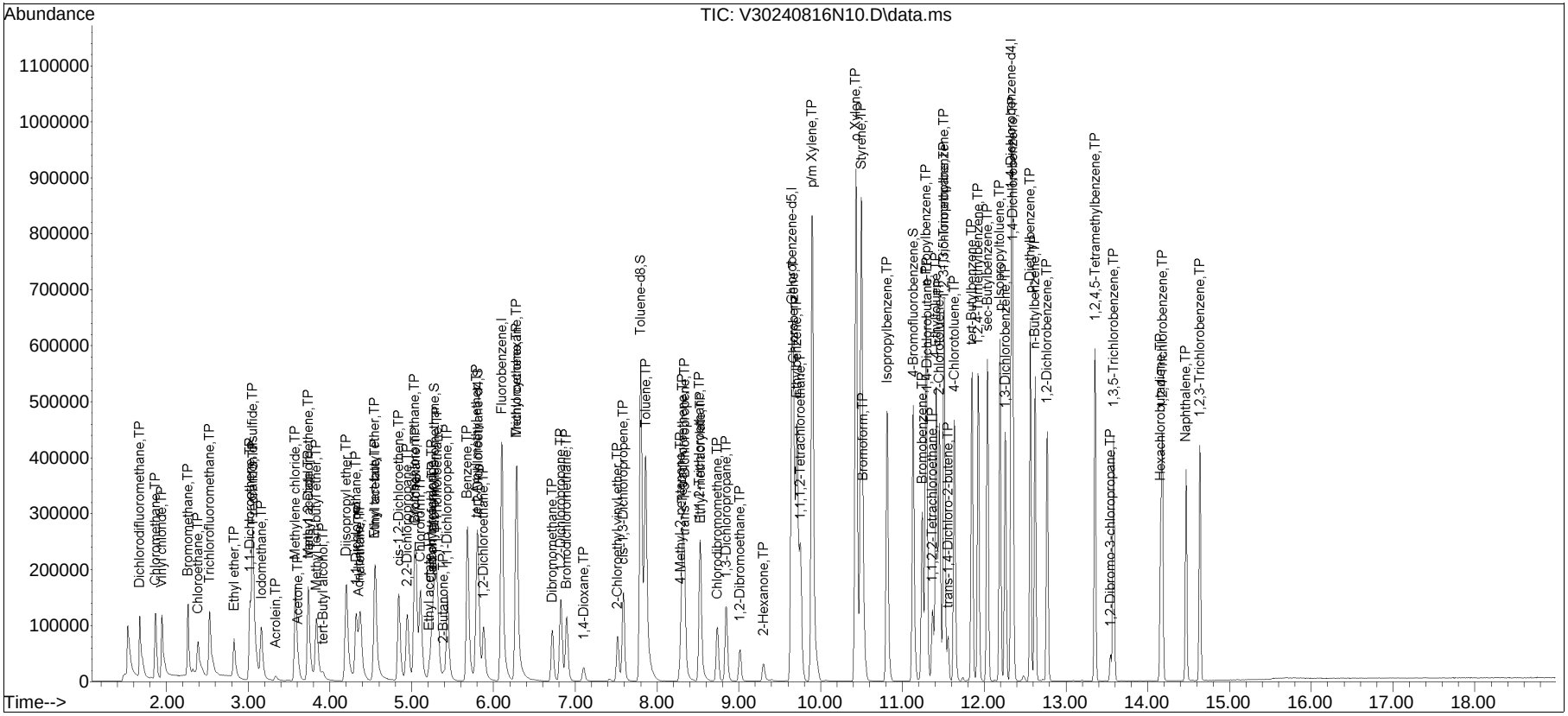
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N10.D
Acq On : 17 Aug 2024 12:16 am
Operator : VOA130:PID
Sample : I8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 06:34:25 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

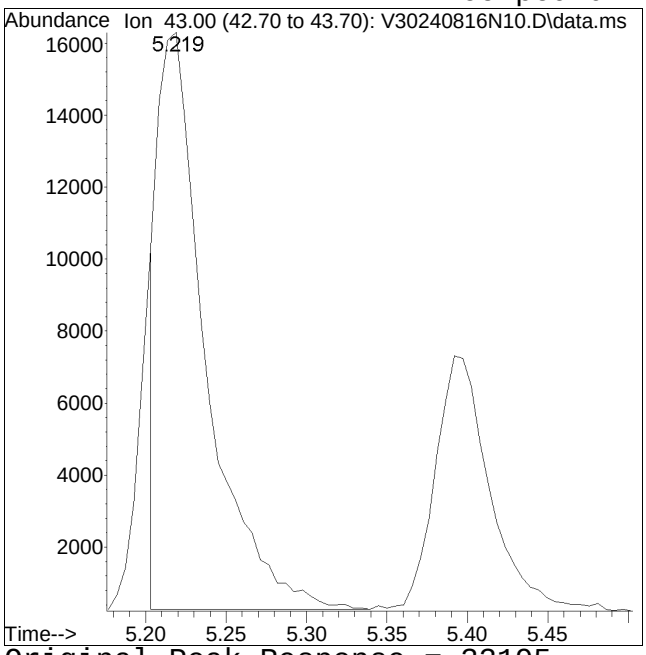
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•

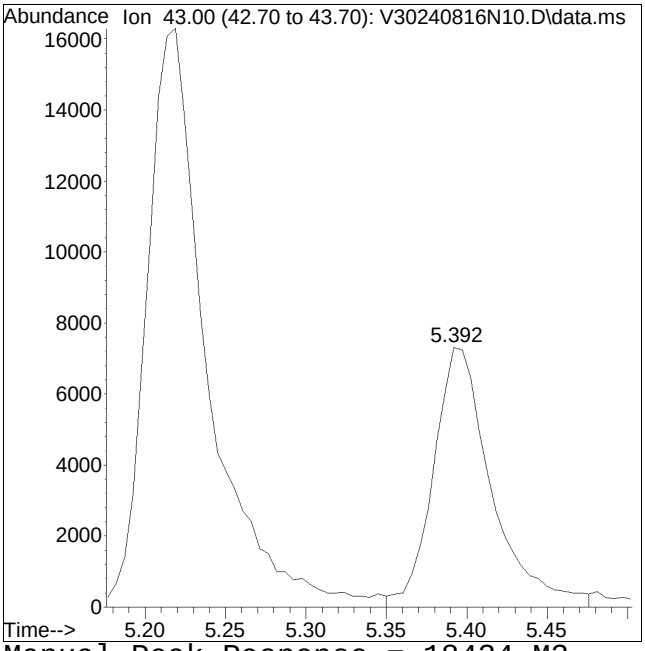


Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N10.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:16 am Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/21/2024 6:34 am

Compound #42: 2-Butanone





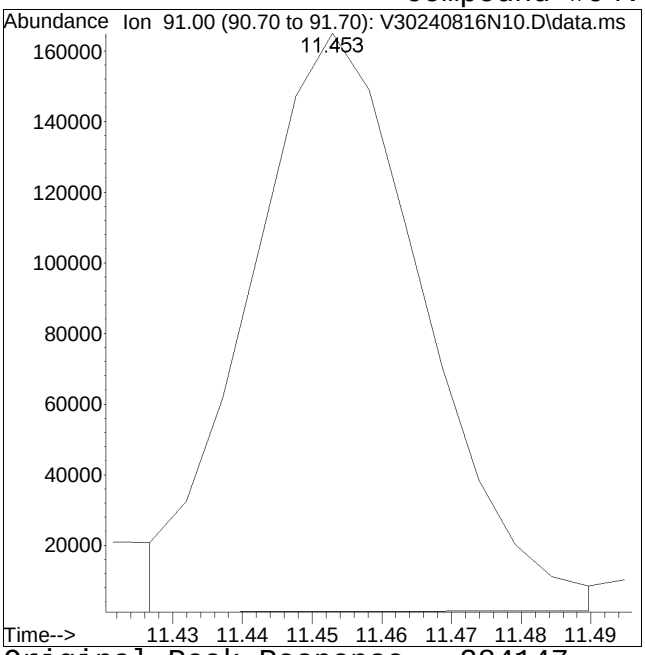
Original Peak Response = 33195 Manual Peak Response = 18434 M3

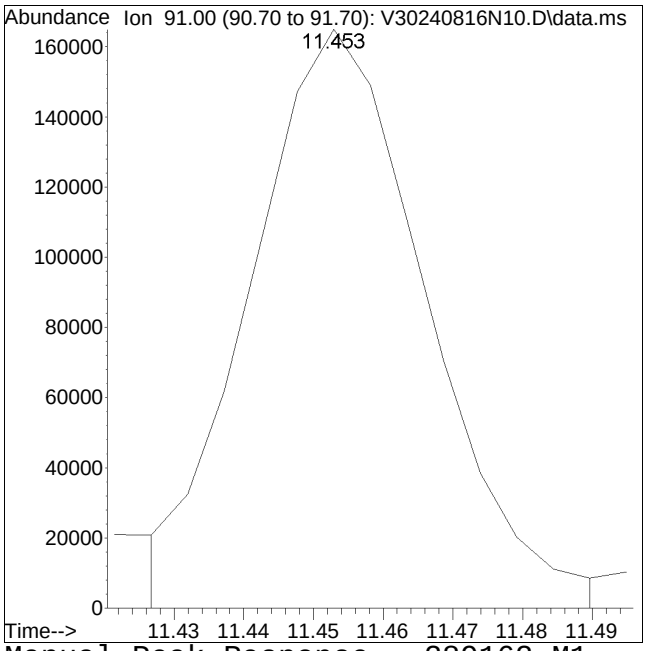
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N10.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:16 am Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene



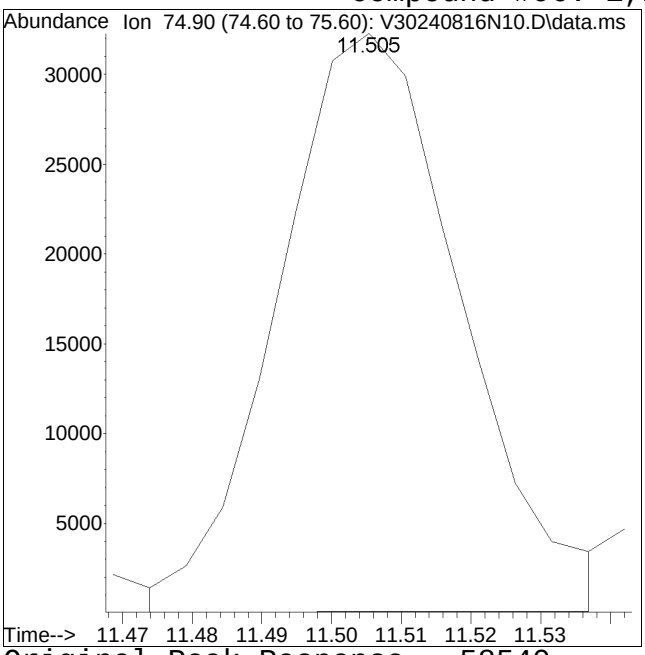


Original Peak Response = 284147 Manual Peak Response = 289162 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

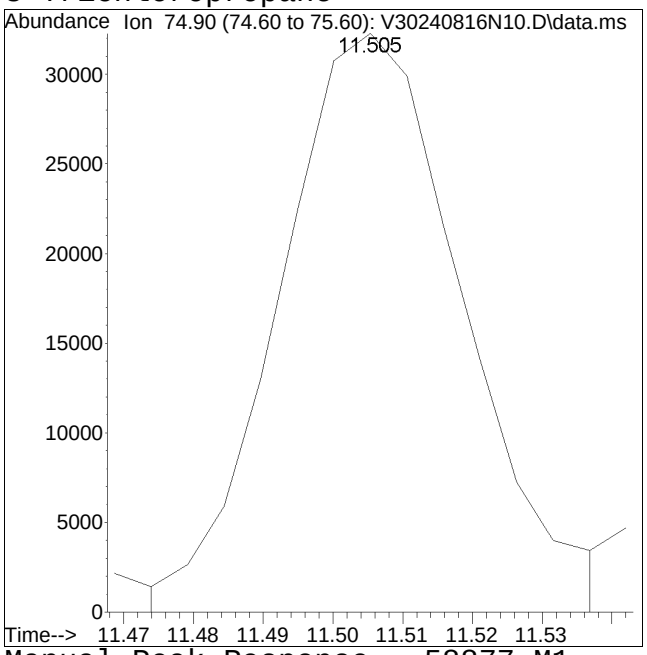
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N10.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:16 am Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 8/21/2024 6:34 am

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 58540



Manual Peak Response = 58877 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N11.D
Acq On : 17 Aug 2024 12:38 am
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1961896,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:34:34 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	494454	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 94.35%			
63) Chlorobenzene-d5	9.649	117	421884	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 100.14%			
84) 1,4-Dichlorobenzene-d4	12.334	152	219497	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 101.62%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	127353	9.859	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%			
47) 1,2-Dichloroethane-d4	5.811	65	119822	9.705	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.05%			
64) Toluene-d8	7.798	98	546654	10.050	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.50%			
88) 4-Bromofluorobenzene	11.133	95	195699	10.169	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.675	85	373790	32.734	ug/L	95
3) Chloromethane	1.869	50	383332	31.082	ug/L	98
4) Vinyl chloride	1.947	62	360325	32.570	ug/L	100
5) Bromomethane	2.267	94	201212	30.356	ug/L	98
6) Chloroethane	2.388	64	222546	31.582	ug/L	98
7) Trichlorofluoromethane	2.529	101	396130	31.807	ug/L	98
8) Ethyl ether	2.828	74	108538	30.189	ug/L	78
10) 1,1-Dichloroethene	3.022	96	243205	31.898	ug/L #	70
11) Carbon disulfide	3.053	76	735522	30.881	ug/L	100
12) Freon-113	3.064	101	237547	34.083	ug/L	86
13) Iodomethane	3.164	142	377618	28.541	ug/L	99
14) Acrolein	3.337	56	27926	27.813	ug/L	99
15) Methylene chloride	3.578	84	313345	30.728	ug/L	76
17) Acetone	3.609	43	34651	22.591	ug/L #	86
18) trans-1,2-Dichloroethene	3.735	96	253705	32.310	ug/L	80
19) Methyl acetate	3.735	43	79212	28.105	ug/L #	77
21) Methyl tert-butyl ether	3.835	73	448499	27.680	ug/L	91
22) tert-Butyl alcohol	3.913	59	42910	146.753	ug/L #	53
24) Diisopropyl ether	4.202	45	664169	33.332	ug/L #	93
25) 1,1-Dichloroethane	4.322	63	467902	31.640	ug/L #	97
26) Halothane	4.375	117	174320	31.941	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N11.D
Acq On : 17 Aug 2024 12:38 am
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1961896,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:34:34 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	53199	29.698	ug/L		94
28) Ethyl tert-butyl ether	4.548	59	605991	32.085	ug/L		81
29) Vinyl acetate	4.553	43	353420	28.757	ug/L	#	90
30) cis-1,2-Dichloroethene	4.841	96	293221	31.863	ug/L	#	76
31) 2,2-Dichloropropane	4.946	77	368554	32.538	ug/L	#	77
33) Bromochloromethane	5.035	128	134937	30.825	ug/L	#	55
34) Cyclohexane	5.051	56	374412	31.505	ug/L		79
35) Chloroform	5.109	83	467630	32.485	ug/L		93
36) Ethyl acetate	5.214	43	110091	27.581	ug/L	#	93
37) Carbon tetrachloride	5.250	117	297447	32.334	ug/L		99
38) Tetrahydrofuran	5.256	42	34454M6	26.185	ug/L		
40) 1,1,1-Trichloroethane	5.313	97	362049	31.868	ug/L		91
42) 2-Butanone	5.392	43	48986M3	26.316	ug/L		
43) 1,1-Dichloropropene	5.439	75	301240	30.709	ug/L		93
45) Benzene	5.680	78	961321	30.920	ug/L		95
46) tert-Amyl methyl ether	5.796	73	561908	32.179	ug/L		93
48) 1,2-Dichloroethane	5.880	62	276756	30.926	ug/L	#	96
51) Methyl cyclohexane	6.278	83	410098	33.356	ug/L	#	80
52) Trichloroethene	6.283	95	251930	30.381	ug/L		92
54) Dibromomethane	6.718	93	129475	30.314	ug/L	#	88
55) 1,2-Dichloropropane	6.823	63	219766	30.275	ug/L		96
57) 2-Chloroethyl vinyl ether	7.515	63	140281	32.761	ug/L	#	77
58) Bromodichloromethane	6.897	83	292415	29.378	ug/L	#	97
61) 1,4-Dioxane	7.101	88	27849	598.637	ug/L	#	87
62) cis-1,3-Dichloropropene	7.589	75	346214	30.802	ug/L	#	81
65) Toluene	7.861	92	724664	33.140	ug/L		98
66) 4-Methyl-2-pentanone	8.286	58	57913	34.684	ug/L	#	72
67) Tetrachloroethene	8.312	166	287318	33.133	ug/L	#	92
69) trans-1,3-Dichloropropene	8.333	75	305013	31.690	ug/L	#	74
71) Ethyl methacrylate	8.527	69	277184	33.333	ug/L		92
72) 1,1,2-Trichloroethane	8.522	83	149652	30.594	ug/L		95
73) Chlorodibromomethane	8.737	129	201982	30.052	ug/L		98
74) 1,3-Dichloropropane	8.847	76	306377	30.613	ug/L		100
75) 1,2-Dibromoethane	9.015	107	139081	28.405	ug/L		100
77) 2-Hexanone	9.298	43	95270	32.490	ug/L		90
78) Chlorobenzene	9.670	112	788937	32.504	ug/L		96
79) Ethylbenzene	9.712	91	1352650	32.929	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.754	131	224530	32.278	ug/L		99
81) p/m Xylene	9.896	106	1061615	64.798	ug/L		90
82) o Xylene	10.431	106	1013079	64.176	ug/L		91

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N11.D
Acq On : 17 Aug 2024 12:38 am
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1961896,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:34:34 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	1700890	65.353	ug/L		93
85) Bromoform	10.520	173	121133	32.155	ug/L		97
87) Isopropylbenzene	10.813	105	1249130	34.072	ug/L		96
89) Bromobenzene	11.243	156	319573	33.327	ug/L		99
90) n-Propylbenzene	11.290	91	1487721	33.734	ug/L		94
91) 1,4-Dichlorobutane	11.296	55	299310	32.053	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.369	83	211932	32.282	ug/L		99
93) 4-Ethyltoluene	11.416	105	1249229	33.712	ug/L		97
94) 2-Chlorotoluene	11.453	91	924504M6	33.762	ug/L		
95) 1,3,5-Trimethylbenzene	11.511	105	1115255	33.953	ug/L		96
96) 1,2,3-Trichloropropane	11.505	75	167760M1	31.700	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	46043	29.623	ug/L	#	81
98) 4-Chlorotoluene	11.636	91	954674	33.229	ug/L		92
99) tert-Butylbenzene	11.851	119	899097	33.503	ug/L		92
102) 1,2,4-Trimethylbenzene	11.925	105	1078145	33.980	ug/L		96
103) sec-Butylbenzene	12.040	105	1303733	33.832	ug/L		93
104) p-Isopropyltoluene	12.192	119	1131063	33.637	ug/L		96
105) 1,3-Dichlorobenzene	12.255	146	615006	32.641	ug/L		97
106) 1,4-Dichlorobenzene	12.350	146	617489	32.487	ug/L		98
107) p-Diethylbenzene	12.564	119	646896	33.016	ug/L		95
108) n-Butylbenzene	12.622	91	943341	33.743	ug/L	#	97
109) 1,2-Dichlorobenzene	12.769	146	578260	32.420	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.356	119	985705	32.976	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.545	155	27951	30.246	ug/L		98
112) 1,3,5-Trichlorobenzene	13.582	180	434808	32.900	ug/L		95
113) Hexachlorobutadiene	14.158	225	150148	33.097	ug/L		99
114) 1,2,4-Trichlorobenzene	14.179	180	391419	32.765	ug/L		99
115) Naphthalene	14.468	128	800510	31.943	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	363999	32.490	ug/L		98

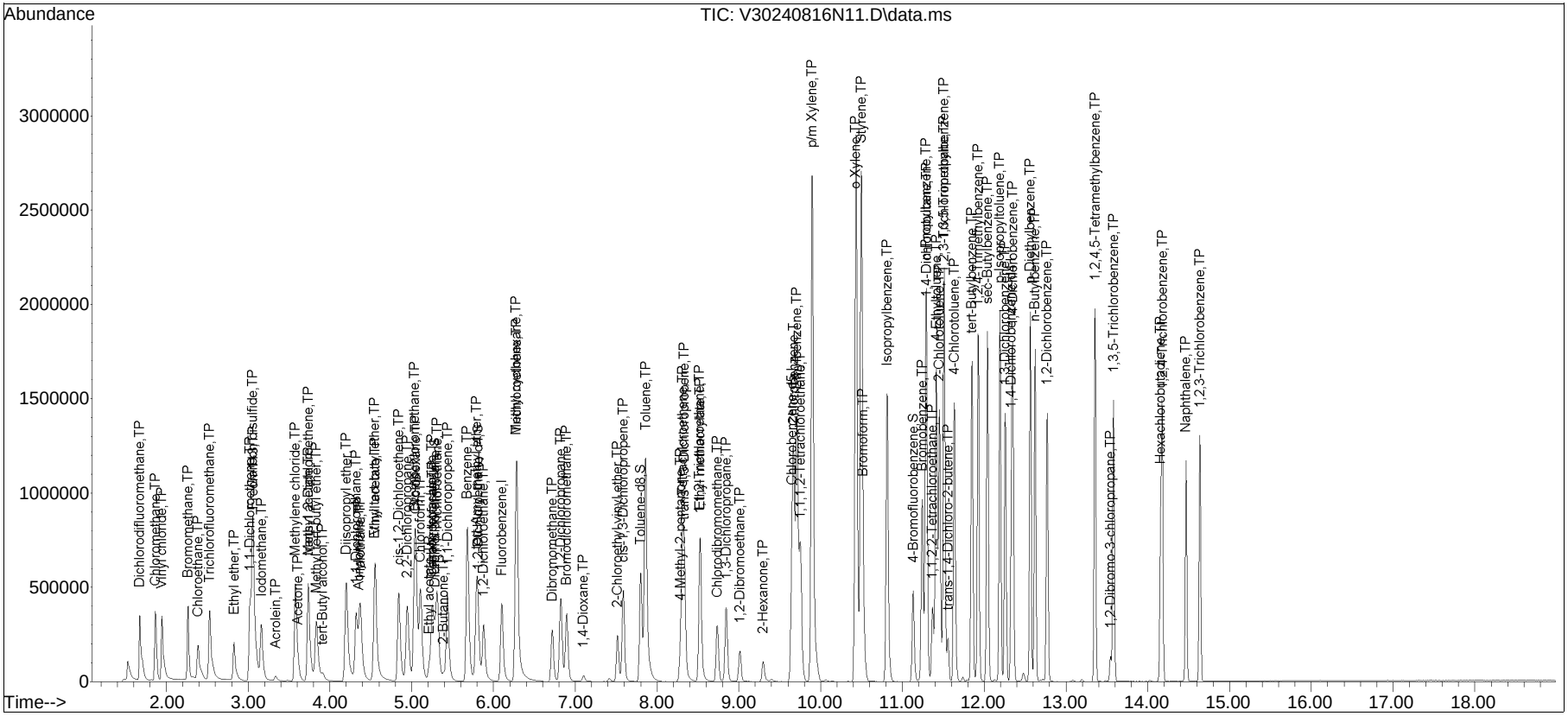
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N11.D
Acq On : 17 Aug 2024 12:38 am
Operator : VOA130:PID
Sample : I8260STD30PPB
Misc : WG1961896,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 06:34:34 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

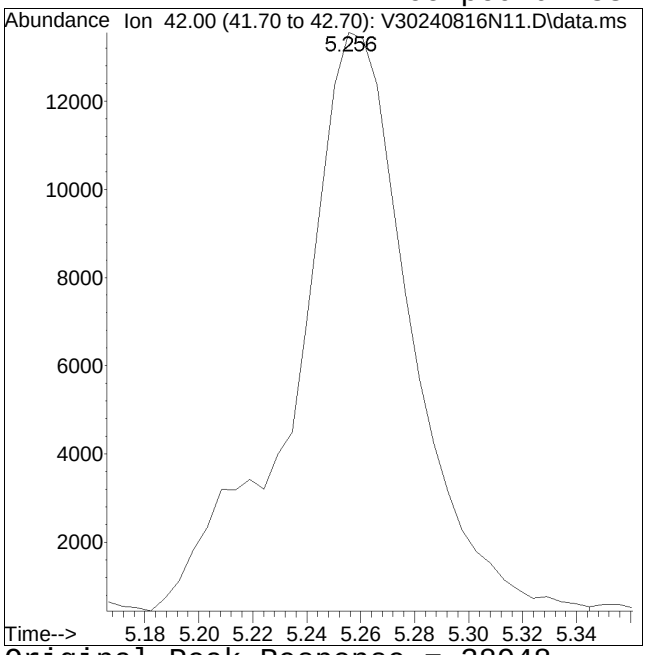
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•



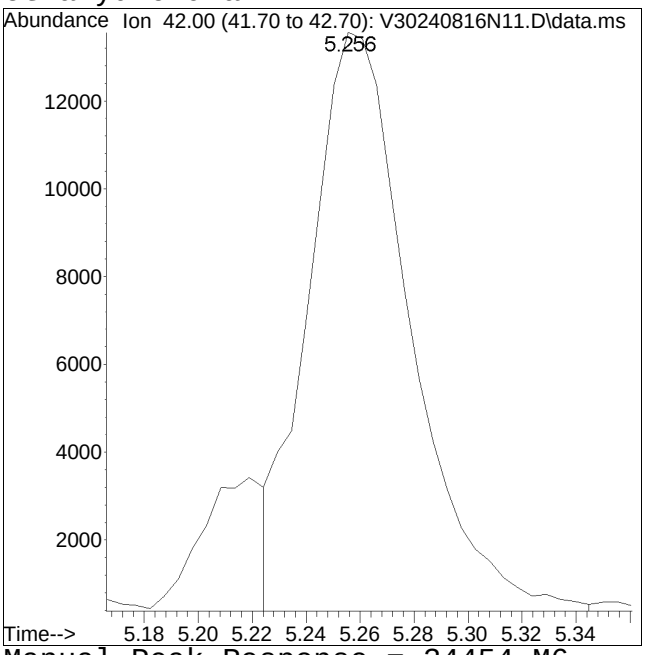
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N11.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:38 am Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/21/2024 6:34 am

Compound #38: Tetrahydrofuran



Original Peak Response = 38948



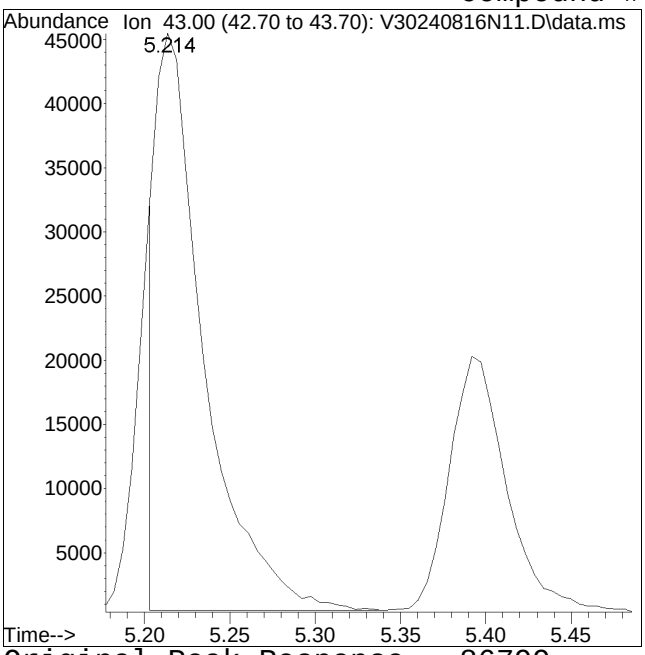
Manual Peak Response = 34454 M6

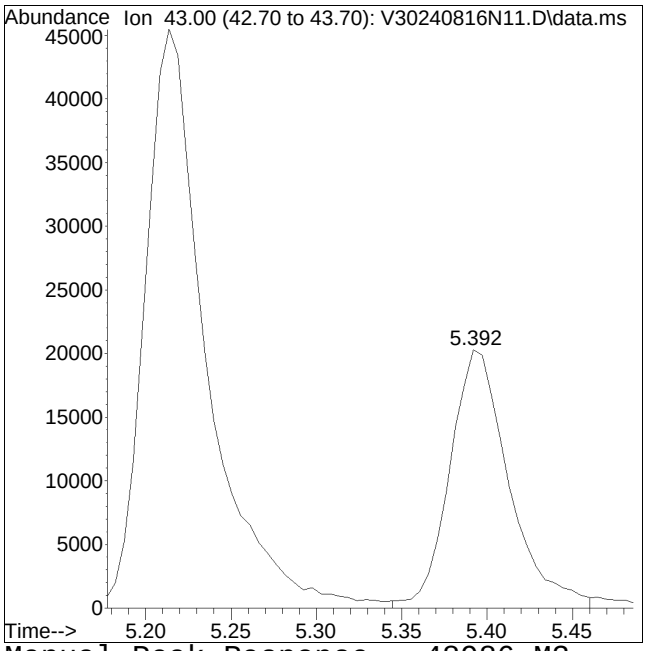
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N11.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:38 am Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/21/2024 6:34 am

Compound #42: 2-Butanone





Original Peak Response = 86799 Manual Peak Response = 48986 M3

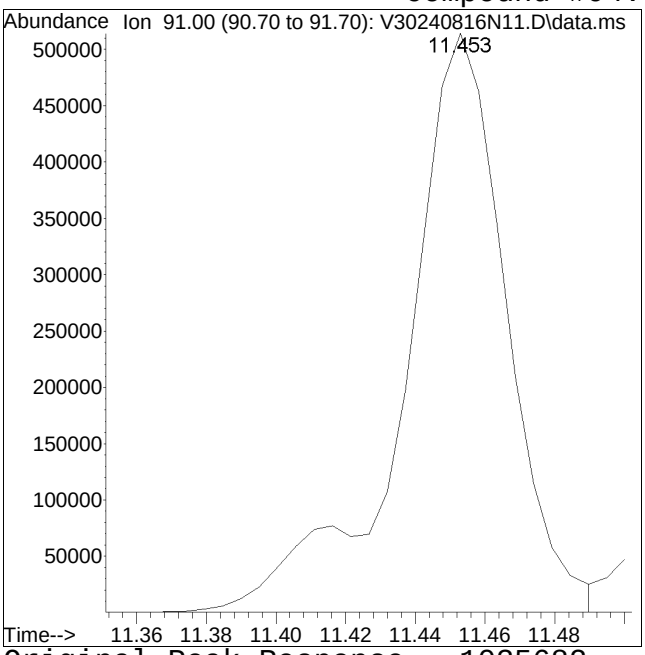
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

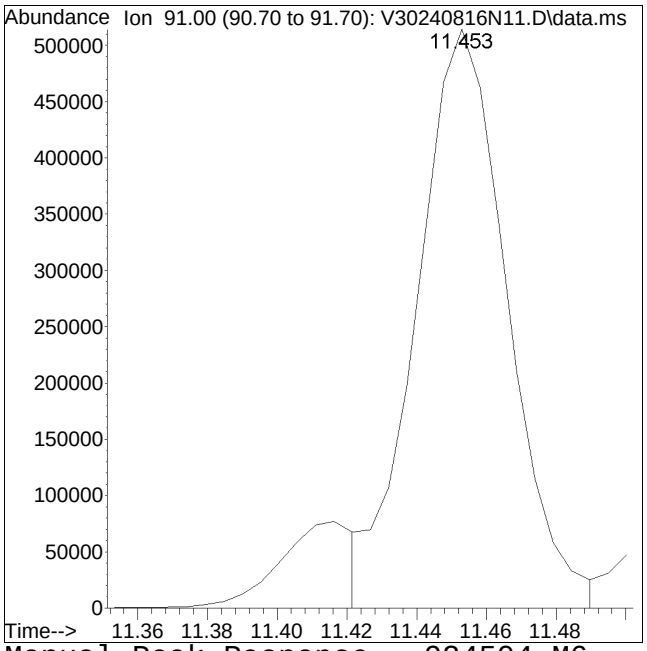
Data Path : K:\VOA130\2024\240816NICALQ
Data File : V30240816N11.D
Date Inj'd : 8/17/2024 12:38 am
Sample : I8260STD30PPB

Method : V130_240816N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 1035682



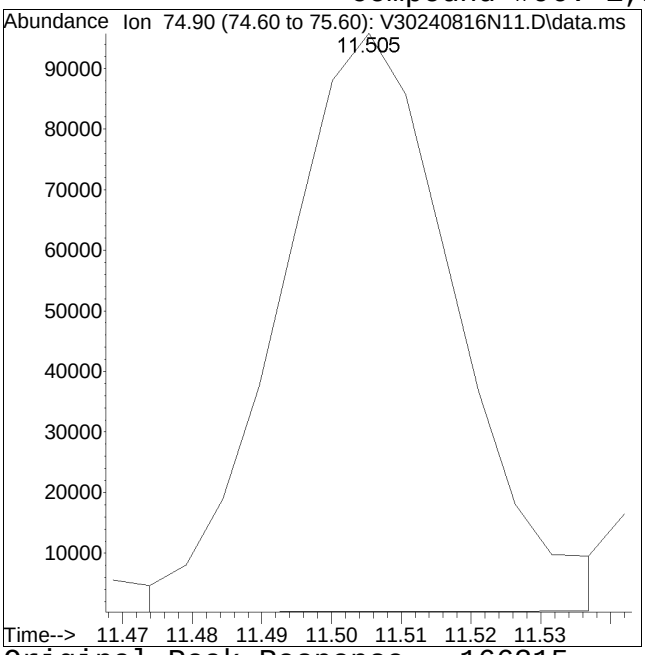
Manual Peak Response = 924504 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

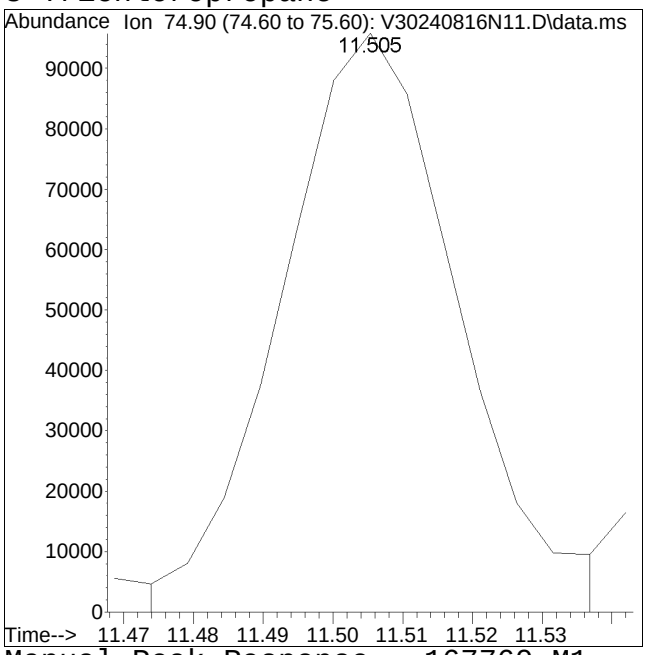
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N11.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 12:38 am Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 8/21/2024 6:34 am

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 166315



Manual Peak Response = 167760 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N12.D
Acq On : 17 Aug 2024 01:00 am
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1961896,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:34:42 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	466497	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 89.01%			
63) Chlorobenzene-d5	9.649	117	425028	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 100.89%			
84) 1,4-Dichlorobenzene-d4	12.334	152	240974	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 111.56%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	129119	10.595	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.95%			
47) 1,2-Dichloroethane-d4	5.811	65	123755	10.624	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.24%			
64) Toluene-d8	7.798	98	536036	9.782	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.82%			
88) 4-Bromofluorobenzene	11.128	95	206372	9.768	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	964389	89.517	ug/L	95
3) Chloromethane	1.863	50	985416	84.688	ug/L	97
4) Vinyl chloride	1.947	62	933976	89.483	ug/L	100
5) Bromomethane	2.262	94	532061	85.081	ug/L	98
6) Chloroethane	2.388	64	583829	87.818	ug/L	99
7) Trichlorofluoromethane	2.529	101	1063790	90.535	ug/L	99
8) Ethyl ether	2.828	74	309942	91.375	ug/L #	78
10) 1,1-Dichloroethene	3.022	96	631161	87.742	ug/L #	70
11) Carbon disulfide	3.053	76	1971693	87.743	ug/L	99
12) Freon-113	3.064	101	633701	96.371	ug/L	85
13) Iodomethane	3.164	142	1044042	83.641	ug/L	99
14) Acrolein	3.337	56	76140	80.378	ug/L	98
15) Methylene chloride	3.578	84	825711	85.825	ug/L	75
17) Acetone	3.609	43	92608	63.996	ug/L #	86
18) trans-1,2-Dichloroethene	3.735	96	664943	89.758	ug/L	79
19) Methyl acetate	3.735	43	215258	80.953	ug/L #	78
21) Methyl tert-butyl ether	3.835	73	1295967	84.778	ug/L	91
22) tert-Butyl alcohol	3.913	59	114494	415.038	ug/L #	53
24) Diisopropyl ether	4.196	45	1646227	87.568	ug/L #	93
25) 1,1-Dichloroethane	4.322	63	1213736	86.994	ug/L #	97
26) Halothane	4.375	117	517833	100.570	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N12.D
Acq On : 17 Aug 2024 01:00 am
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1961896,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:34:42 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	144605	85.564	ug/L		94
28) Ethyl tert-butyl ether	4.548	59	1511705	84.837	ug/L		84
29) Vinyl acetate	4.553	43	965034	83.229	ug/L	#	88
30) cis-1,2-Dichloroethene	4.841	96	767034	88.347	ug/L	#	76
31) 2,2-Dichloropropane	4.946	77	1002860	93.845	ug/L	#	77
33) Bromochloromethane	5.030	128	361902	87.628	ug/L	#	54
34) Cyclohexane	5.051	56	1063525	94.853	ug/L		79
35) Chloroform	5.109	83	1213641	89.361	ug/L		92
36) Ethyl acetate	5.214	43	294564	78.220	ug/L	#	95
37) Carbon tetrachloride	5.250	117	890065M6	102.552	ug/L		
38) Tetrahydrofuran	5.256	42	94770M6	76.342	ug/L		
40) 1,1,1-Trichloroethane	5.313	97	1033930	96.461	ug/L		91
42) 2-Butanone	5.392	43	127769	72.752	ug/L		93
43) 1,1-Dichloropropene	5.434	75	834953	90.217	ug/L		93
45) Benzene	5.680	78	2418569	82.453	ug/L		94
46) tert-Amyl methyl ether	5.796	73	1406380	85.367	ug/L		93
48) 1,2-Dichloroethane	5.879	62	758277	89.812	ug/L	#	97
51) Methyl cyclohexane	6.278	83	1055352	90.984	ug/L	#	79
52) Trichloroethene	6.283	95	662627	84.696	ug/L		92
54) Dibromomethane	6.718	93	354614	88.001	ug/L	#	88
55) 1,2-Dichloropropane	6.823	63	607624	88.722	ug/L		96
57) 2-Chloroethyl vinyl ether	7.515	63	348808	86.342	ug/L	#	78
58) Bromodichloromethane	6.897	83	867663	92.397	ug/L	#	98
61) 1,4-Dioxane	7.101	88	36783	838.065	ug/L	#	86
62) cis-1,3-Dichloropropene	7.583	75	951010	89.680	ug/L	#	80
65) Toluene	7.856	92	1821777	82.696	ug/L		97
66) 4-Methyl-2-pentanone	8.286	58	151526	90.078	ug/L	#	70
67) Tetrachloroethene	8.312	166	720610	82.486	ug/L	#	92
69) trans-1,3-Dichloropropene	8.333	75	816544	84.208	ug/L	#	74
71) Ethyl methacrylate	8.527	69	725682	86.621	ug/L		93
72) 1,1,2-Trichloroethane	8.522	83	384040	77.931	ug/L		94
73) Chlorodibromomethane	8.737	129	557691	82.363	ug/L		98
74) 1,3-Dichloropropane	8.847	76	792513	78.601	ug/L		100
75) 1,2-Dibromoethane	9.010	107	376947	76.416	ug/L		100
77) 2-Hexanone	9.293	43	247502	83.782	ug/L	#	86
78) Chlorobenzene	9.670	112	2043840	83.584	ug/L		96
79) Ethylbenzene	9.712	91	3540685	85.557	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.754	131	590843	84.310	ug/L		99
81) p/m Xylene	9.896	106	2789255	168.989	ug/L		89
82) o Xylene	10.430	106	2660274	167.276	ug/L		90

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N12.D
Acq On : 17 Aug 2024 01:00 am
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1961896,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:34:42 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	4481699	170.925	ug/L		93
85) Bromoform	10.520	173	337346	81.569	ug/L		99
87) Isopropylbenzene	10.813	105	3336211	82.890	ug/L		95
89) Bromobenzene	11.243	156	868557	82.505	ug/L		99
90) n-Propylbenzene	11.290	91	4032489	83.287	ug/L		93
91) 1,4-Dichlorobutane	11.296	55	784333	76.509	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.369	83	584525	81.101	ug/L		99
93) 4-Ethyltoluene	11.416	105	3428929	84.287	ug/L		96
94) 2-Chlorotoluene	11.453	91	2478847M6	82.458	ug/L		
95) 1,3,5-Trimethylbenzene	11.511	105	3126063	86.689	ug/L		96
96) 1,2,3-Trichloropropane	11.505	75	432353M4	74.416	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	133113	78.008	ug/L	#	76
98) 4-Chlorotoluene	11.636	91	2603681	82.549	ug/L		92
99) tert-Butylbenzene	11.851	119	2408200	81.739	ug/L		93
102) 1,2,4-Trimethylbenzene	11.925	105	3097058	88.911	ug/L		96
103) sec-Butylbenzene	12.040	105	3515934	83.107	ug/L		92
104) p-Isopropyltoluene	12.192	119	3177769	86.081	ug/L		95
105) 1,3-Dichlorobenzene	12.255	146	1716560	82.985	ug/L		97
106) 1,4-Dichlorobenzene	12.349	146	1739080	83.342	ug/L		98
107) p-Diethylbenzene	12.564	119	1918116	89.171	ug/L		95
108) n-Butylbenzene	12.622	91	2731803	89.006	ug/L	#	96
109) 1,2-Dichlorobenzene	12.769	146	1614066	82.427	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.356	119	2957960	90.138	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.545	155	83188	81.994	ug/L		95
112) 1,3,5-Trichlorobenzene	13.582	180	1293697	89.163	ug/L		95
113) Hexachlorobutadiene	14.158	225	442082	88.762	ug/L		100
114) 1,2,4-Trichlorobenzene	14.179	180	1134055	86.469	ug/L		99
115) Naphthalene	14.468	128	2213522	80.455	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	1026614	83.468	ug/L		98

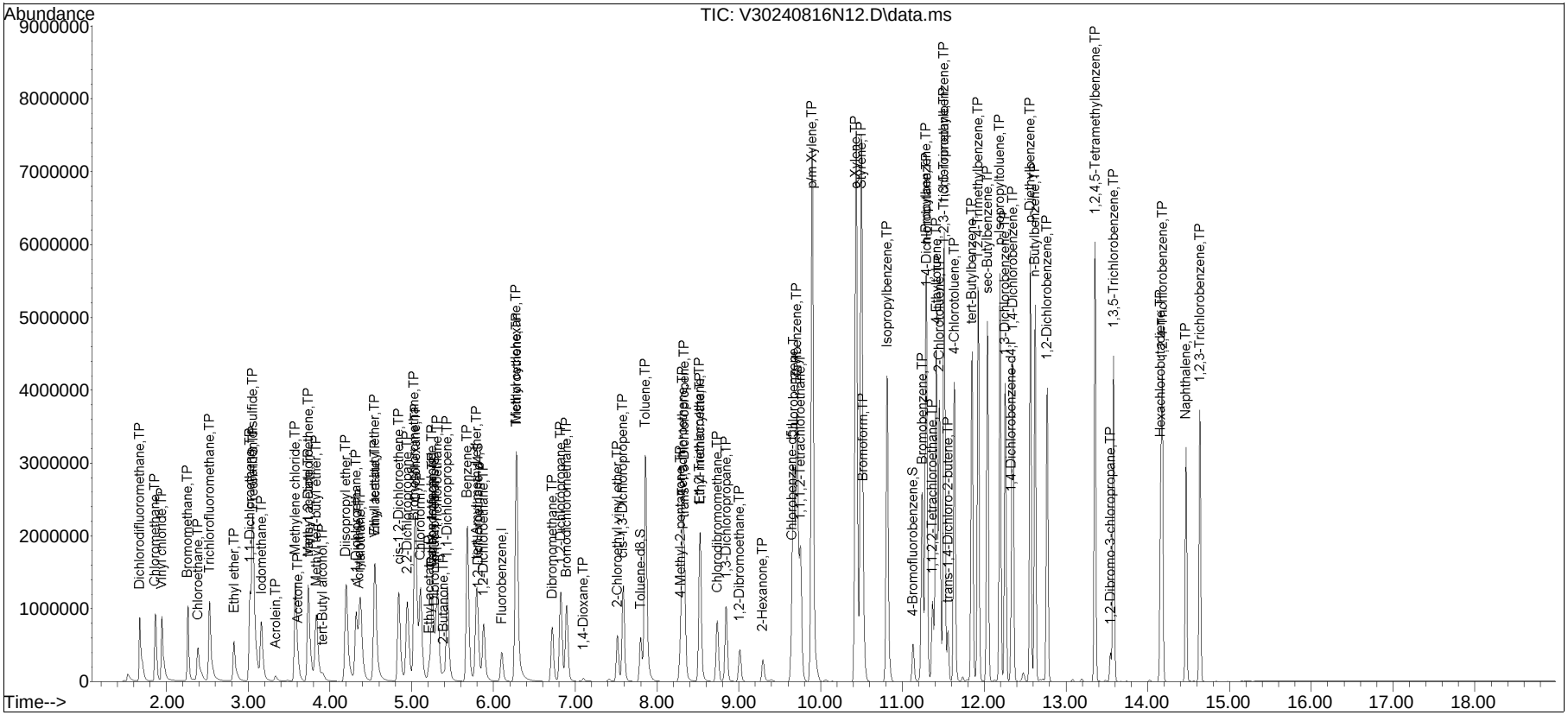
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N12.D
Acq On : 17 Aug 2024 01:00 am
Operator : VOA130:PID
Sample : I8260STD80PPB
Misc : WG1961896,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 21 06:34:42 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

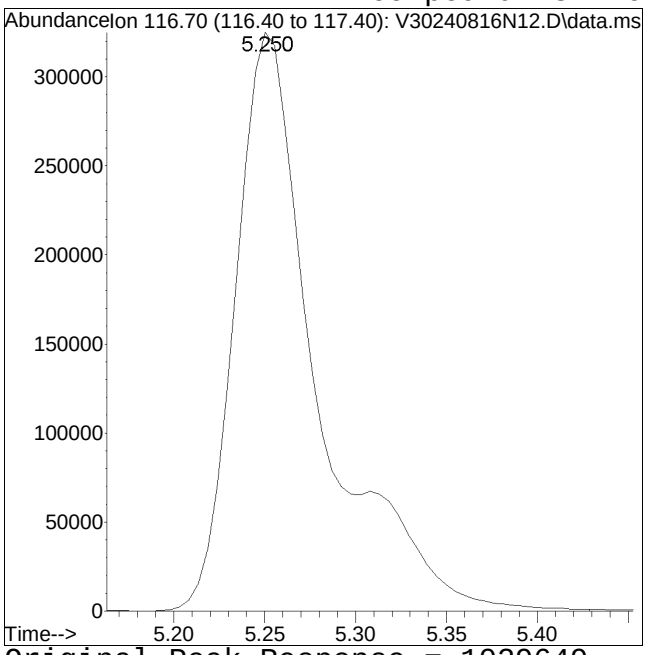
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•



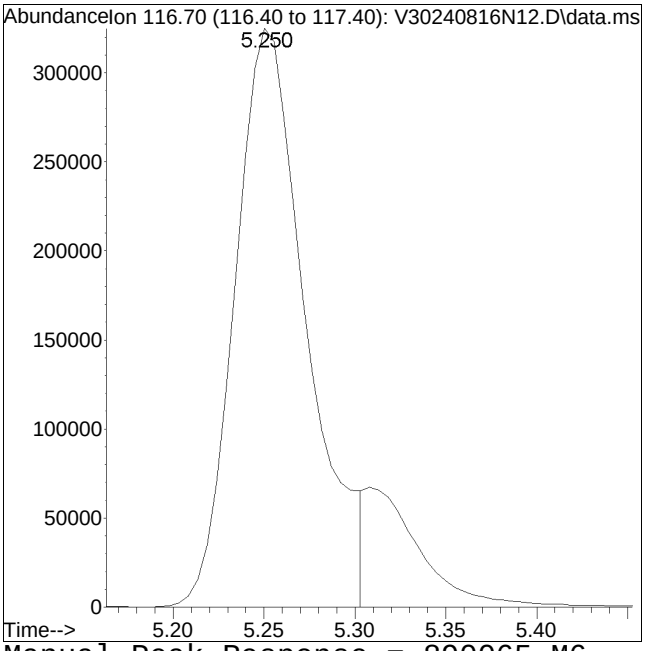
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N12.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:00 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/21/2024 6:34 am

Compound #37: Carbon tetrachloride



Original Peak Response = 1029649



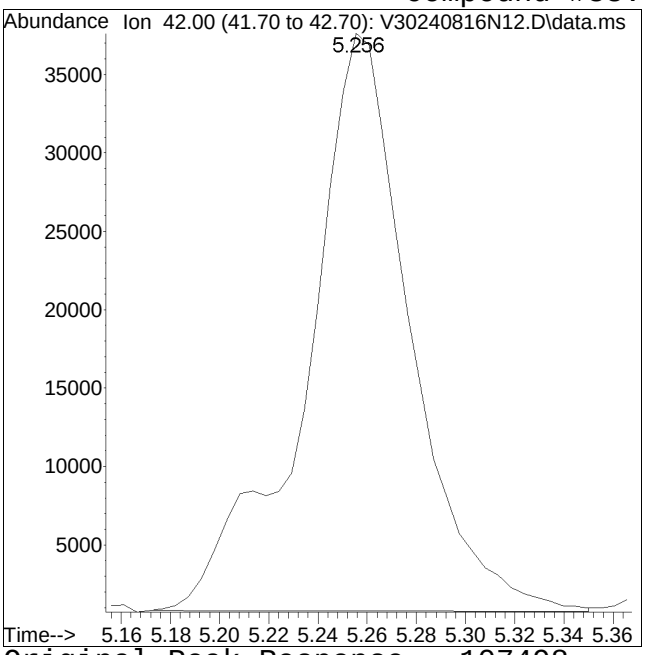
Manual Peak Response = 890065 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

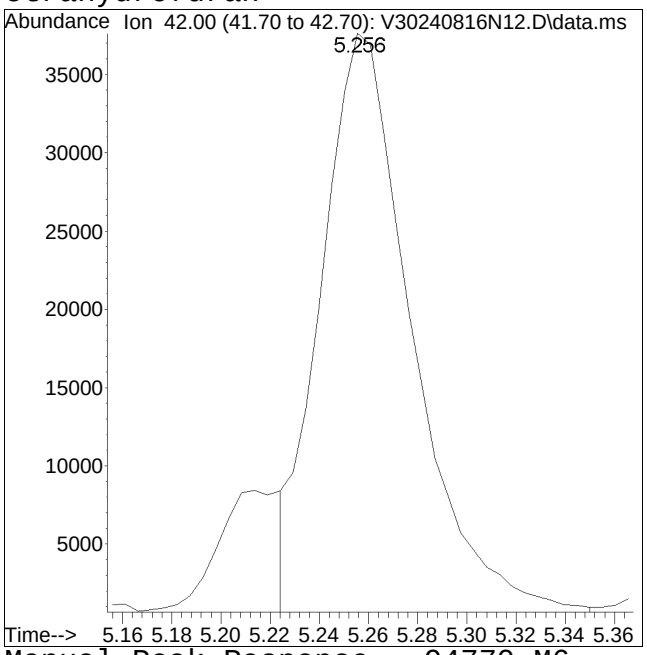
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N12.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:00 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/21/2024 6:34 am

Compound #38: Tetrahydrofuran



Original Peak Response = 107498



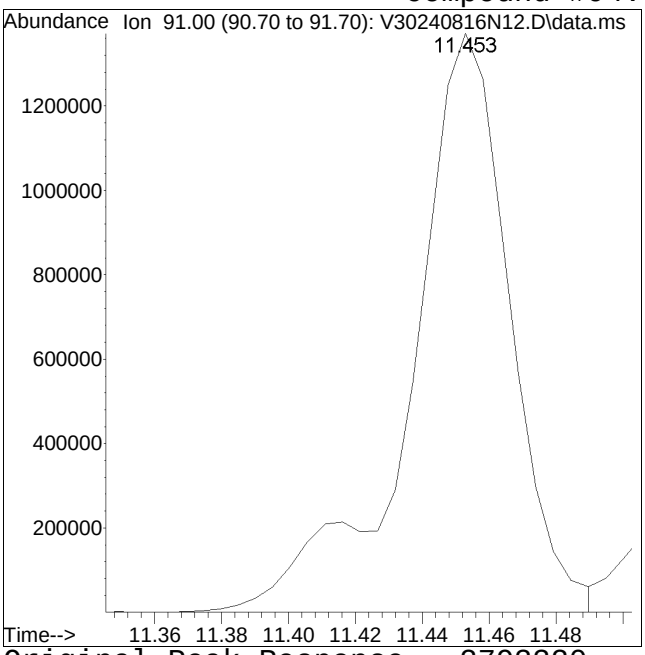
Manual Peak Response = 94770 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

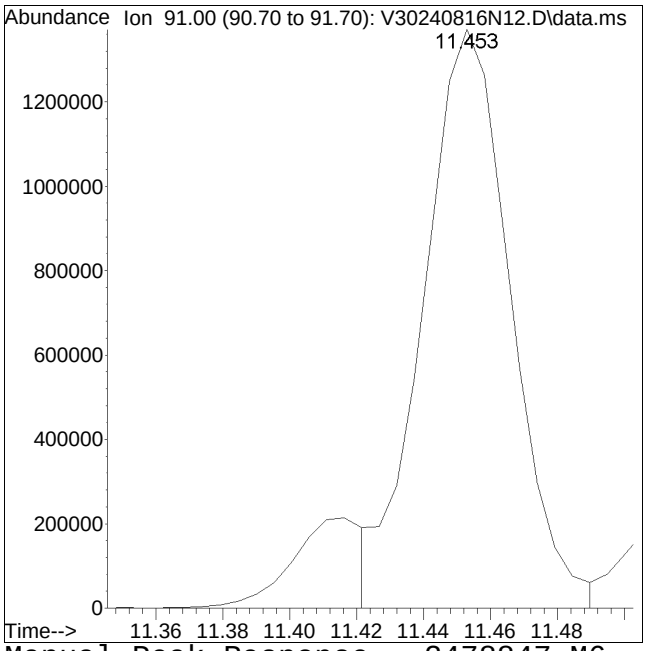
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N12.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:00 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 2793320



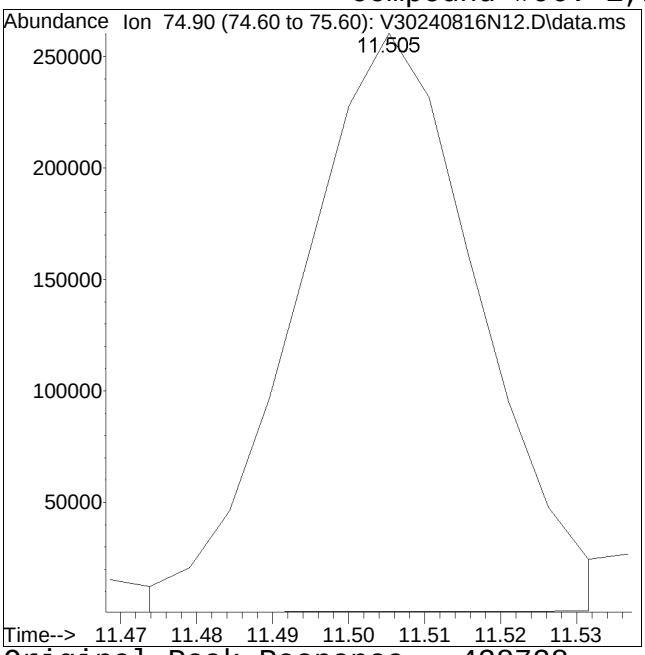
Manual Peak Response = 2478847 M6

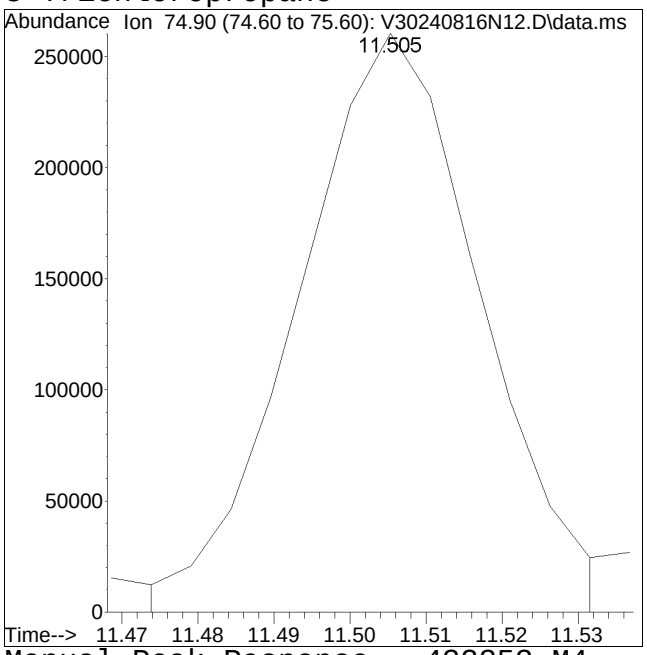
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N12.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:00 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 8/21/2024 6:34 am

Compound #96: 1,2,3-Trichloropropane





Original Peak Response = 428728 Manual Peak Response = 432353 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N13.D
Acq On : 17 Aug 2024 01:22 am
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1961896,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:34:50 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	463713	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 88.48%			
63) Chlorobenzene-d5	9.649	117	434184	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 103.06%			
84) 1,4-Dichlorobenzene-d4	12.334	152	253757	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 117.48%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	133248	11.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.00%			
47) 1,2-Dichloroethane-d4	5.811	65	130039	11.231	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.31%			
64) Toluene-d8	7.798	98	529425	9.458	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.58%			
88) 4-Bromofluorobenzene	11.128	95	215490	9.685	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.85%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	1357867	126.797	ug/L	95
3) Chloromethane	1.863	50	1362835	117.828	ug/L	98
4) Vinyl chloride	1.947	62	1316024	126.844	ug/L	100
5) Bromomethane	2.262	94	749025	120.494	ug/L	98
6) Chloroethane	2.382	64	806812	122.087	ug/L	99
7) Trichlorofluoromethane	2.529	101	1510134	129.293	ug/L	98
8) Ethyl ether	2.828	74	447322	132.668	ug/L #	78
10) 1,1-Dichloroethene	3.022	96	896885	125.431	ug/L #	70
11) Carbon disulfide	3.053	76	2844390	127.339	ug/L	100
12) Freon-113	3.064	101	882207	134.968	ug/L	85
13) Iodomethane	3.164	142	1491583	120.212	ug/L	99
14) Acrolein	3.337	56	115640	122.809	ug/L	98
15) Methylene chloride	3.578	84	1150741	120.326	ug/L	75
17) Acetone	3.609	43	135116	93.931	ug/L #	85
18) trans-1,2-Dichloroethene	3.735	96	930338	126.336	ug/L	79
19) Methyl acetate	3.735	43	316956	119.914	ug/L #	79
21) Methyl tert-butyl ether	3.835	73	1945356	128.023	ug/L	90
22) tert-Butyl alcohol	3.913	59	175135	638.672	ug/L #	53
24) Diisopropyl ether	4.196	45	2195140	117.467	ug/L #	93
25) 1,1-Dichloroethane	4.322	63	1687924	121.707	ug/L #	97
26) Halothane	4.375	117	728484	142.330	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N13.D
Acq On : 17 Aug 2024 01:22 am
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1961896,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:34:50 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	218831	130.261	ug/L		94
28) Ethyl tert-butyl ether	4.548	59	2081625	117.522	ug/L		87
29) Vinyl acetate	4.553	43	1431054	124.162	ug/L	#	88
30) cis-1,2-Dichloroethene	4.841	96	1067617	123.706	ug/L	#	76
31) 2,2-Dichloropropane	4.946	77	1414582	133.168	ug/L	#	77
33) Bromochloromethane	5.035	128	514600	125.349	ug/L	#	54
34) Cyclohexane	5.051	56	1517357	136.141	ug/L		79
35) Chloroform	5.109	83	1681813	124.577	ug/L		92
36) Ethyl acetate	5.214	43	430866	115.101	ug/L	#	94
37) Carbon tetrachloride	5.250	117	1280316	148.401	ug/L		87
38) Tetrahydrofuran	5.256	42	141026	114.285	ug/L	#	74
40) 1,1,1-Trichloroethane	5.313	97	1454333	136.497	ug/L		91
42) 2-Butanone	5.392	43	190012M3	108.843	ug/L		
43) 1,1-Dichloropropene	5.434	75	1197493	130.166	ug/L		93
45) Benzene	5.680	78	3335941	114.411	ug/L		94
46) tert-Amyl methyl ether	5.796	73	1926350	117.631	ug/L		93
48) 1,2-Dichloroethane	5.879	62	1074114	127.985	ug/L	#	97
51) Methyl cyclohexane	6.278	83	1459937	126.619	ug/L	#	79
52) Trichloroethene	6.283	95	926449	119.128	ug/L		91
54) Dibromomethane	6.718	93	512476	127.940	ug/L	#	87
55) 1,2-Dichloropropane	6.823	63	860091	126.339	ug/L		96
57) 2-Chloroethyl vinyl ether	7.515	63	490272	122.088	ug/L	#	77
58) Bromodichloromethane	6.897	83	1254000	134.339	ug/L	#	98
61) 1,4-Dioxane	7.096	88	54466	1248.406	ug/L	#	85
62) cis-1,3-Dichloropropene	7.583	75	1356736	128.709	ug/L	#	80
65) Toluene	7.856	92	2456182	109.143	ug/L		97
66) 4-Methyl-2-pentanone	8.286	58	215741	125.548	ug/L	#	70
67) Tetrachloroethene	8.312	166	983886	110.247	ug/L	#	92
69) trans-1,3-Dichloropropene	8.333	75	1158187	116.922	ug/L	#	74
71) Ethyl methacrylate	8.527	69	1022688	119.499	ug/L		93
72) 1,1,2-Trichloroethane	8.522	83	544865	108.234	ug/L		94
73) Chlorodibromomethane	8.737	129	816967	118.110	ug/L		98
74) 1,3-Dichloropropane	8.847	76	1129249	109.637	ug/L		100
75) 1,2-Dibromoethane	9.015	107	550863	109.318	ug/L		99
77) 2-Hexanone	9.293	43	357619	118.504	ug/L	#	86
78) Chlorobenzene	9.670	112	2784987	111.491	ug/L		95
79) Ethylbenzene	9.712	91	4902790	115.972	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.754	131	818660	114.355	ug/L		99
81) p/m Xylene	9.896	106	3875521	229.850	ug/L		88
82) o Xylene	10.430	106	3730844	229.645	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N13.D
Acq On : 17 Aug 2024 01:22 am
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1961896,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:34:50 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	6181248	230.772	ug/L		94
85) Bromoform	10.520	173	491374	112.827	ug/L		97
87) Isopropylbenzene	10.813	105	4703262	110.969	ug/L		95
89) Bromobenzene	11.243	156	1229356	110.894	ug/L		99
90) n-Propylbenzene	11.290	91	5703633	111.869	ug/L		92
91) 1,4-Dichlorobutane	11.296	55	1130157	104.689	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.369	83	862591	113.653	ug/L	#	99
93) 4-Ethyltoluene	11.416	105	4874802	113.792	ug/L		96
94) 2-Chlorotoluene	11.453	91	3418841M1	107.998	ug/L		
95) 1,3,5-Trimethylbenzene	11.511	105	4420805	116.418	ug/L		95
96) 1,2,3-Trichloropropane	11.505	75	627594M1	102.580	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	203617	113.315	ug/L	#	75
98) 4-Chlorotoluene	11.636	91	3673870	110.611	ug/L		91
99) tert-Butylbenzene	11.851	119	3437959	110.812	ug/L		92
102) 1,2,4-Trimethylbenzene	11.925	105	4404194	120.067	ug/L		95
103) sec-Butylbenzene	12.040	105	5047127	113.291	ug/L		91
104) p-Isopropyltoluene	12.192	119	4541864	116.834	ug/L		96
105) 1,3-Dichlorobenzene	12.255	146	2452000	112.567	ug/L		97
106) 1,4-Dichlorobenzene	12.349	146	2486151	113.142	ug/L		97
107) p-Diethylbenzene	12.564	119	2769008	122.243	ug/L		95
108) n-Butylbenzene	12.622	91	3906511	120.868	ug/L	#	96
109) 1,2-Dichlorobenzene	12.769	146	2335401	113.257	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.356	119	4237623	122.628	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.545	155	126715	118.605	ug/L		98
112) 1,3,5-Trichlorobenzene	13.582	180	1842839	120.612	ug/L		95
113) Hexachlorobutadiene	14.158	225	628372	119.810	ug/L		99
114) 1,2,4-Trichlorobenzene	14.179	180	1621050	117.374	ug/L		99
115) Naphthalene	14.468	128	3249833	112.171	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	1473949	113.802	ug/L		98

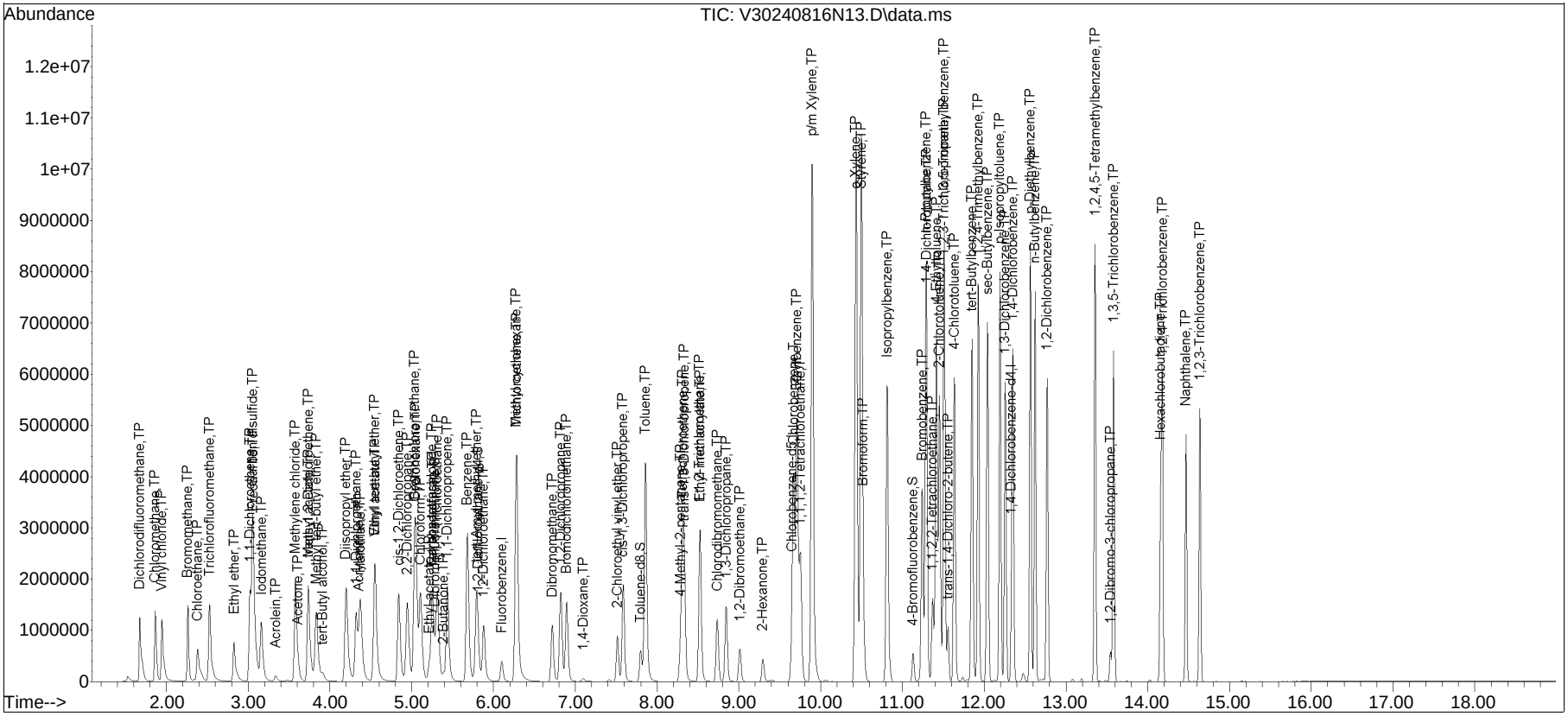
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N13.D
Acq On : 17 Aug 2024 01:22 am
Operator : VOA130:PID
Sample : I8260STD120PPB
Misc : WG1961896,ICAL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 21 06:34:50 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

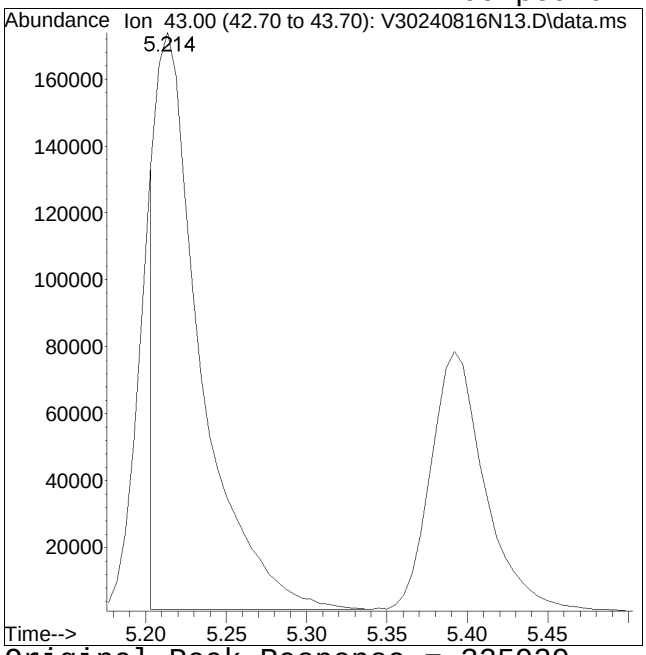
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•

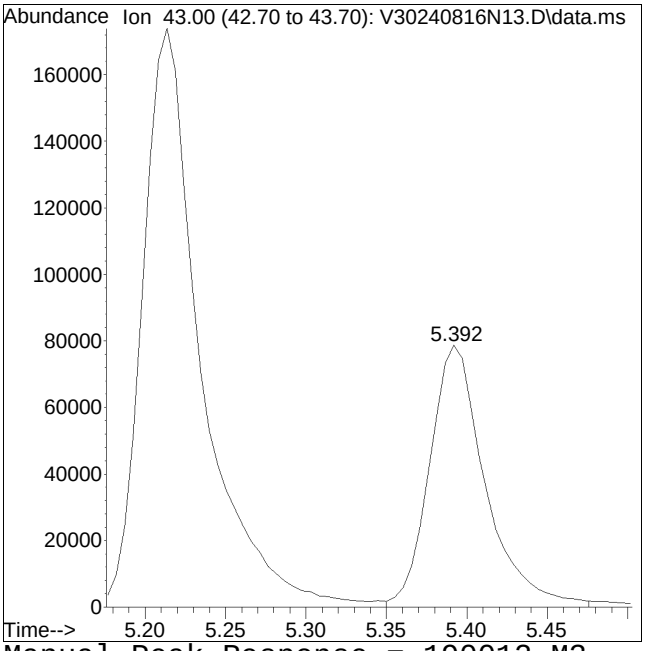


Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N13.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:22 am Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/21/2024 6:34 am

Compound #42: 2-Butanone



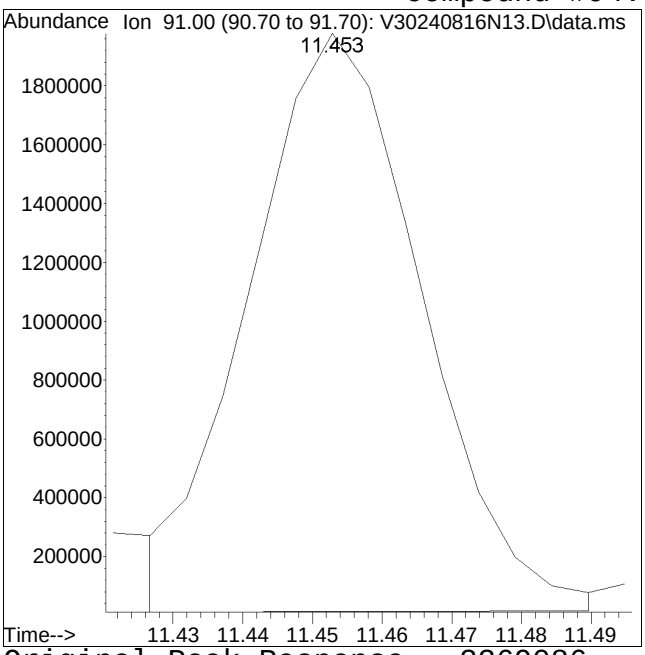


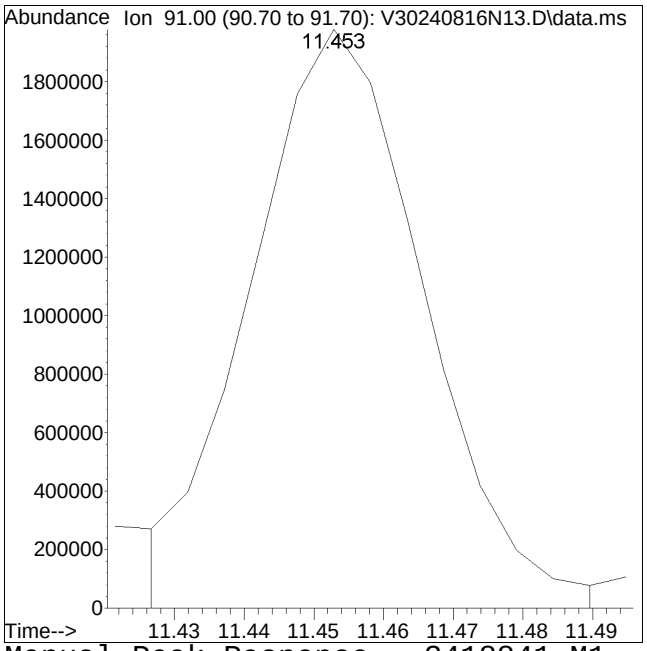
Original Peak Response = 325929 Manual Peak Response = 190012 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N13.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:22 am Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene



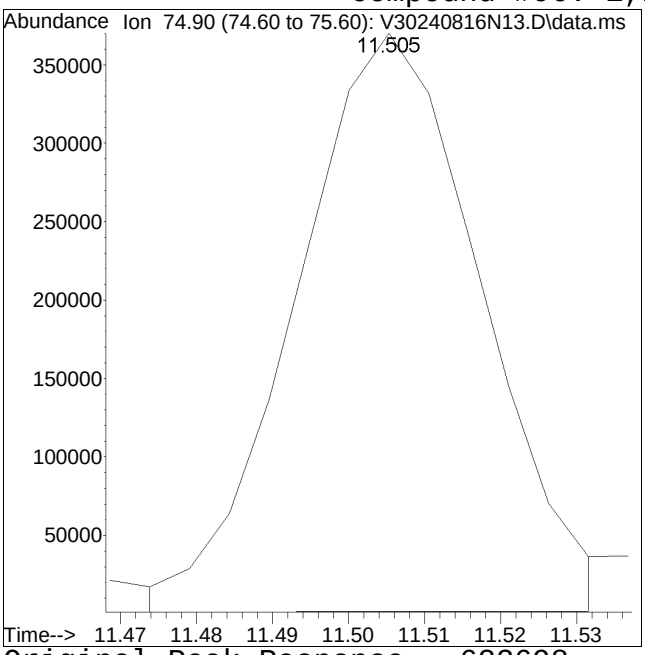


Original Peak Response = 3369086 Manual Peak Response = 3418841 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

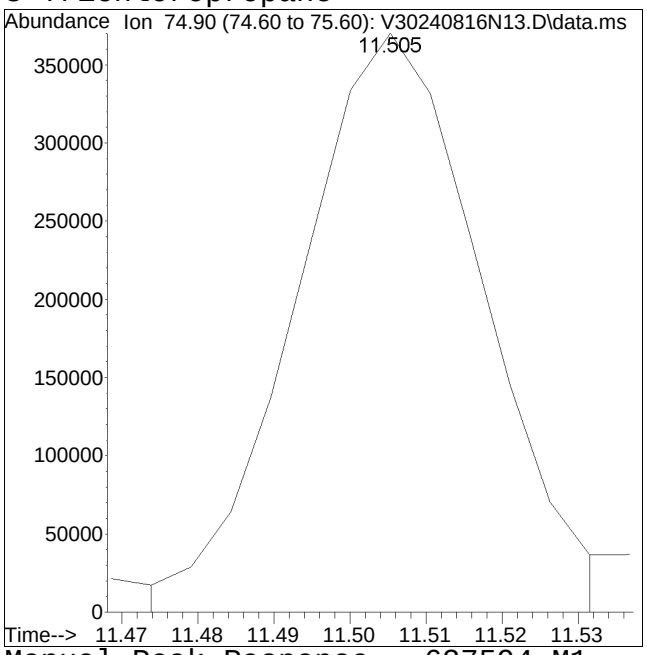
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N13.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:22 am Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 8/21/2024 6:34 am

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 622698



Manual Peak Response = 627594 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N14.D
Acq On : 17 Aug 2024 01:44 am
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1961896,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:34:58 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	453820	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 86.59%			
63) Chlorobenzene-d5	9.649	117	415908	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 98.72%			
84) 1,4-Dichlorobenzene-d4	12.334	152	256397	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 118.70%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	137417	11.591	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.91%			
47) 1,2-Dichloroethane-d4	5.811	65	132690	11.710	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.10%			
64) Toluene-d8	7.798	98	495660	9.244	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.44%			
88) 4-Bromofluorobenzene	11.128	95	219249	9.753	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	2273058	216.884	ug/L	95
3) Chloromethane	1.863	50	2243418	198.189	ug/L	97
4) Vinyl chloride	1.947	62	2227311	219.357	ug/L	100
5) Bromomethane	2.262	94	1264502	207.853	ug/L	98
6) Chloroethane	2.377	64	1353850	209.331	ug/L	99
7) Trichlorofluoromethane	2.529	101	2668107	233.415	ug/L	98
8) Ethyl ether	2.828	74	780394	236.497	ug/L #	78
10) 1,1-Dichloroethene	3.022	96	1591538	227.431	ug/L #	70
11) Carbon disulfide	3.053	76	5088173	232.755	ug/L	99
12) Freon-113	3.064	101	1496950	234.010	ug/L	85
13) Iodomethane	3.158	142	2645181	217.831	ug/L	99
14) Acrolein	3.336	56	208793	226.571	ug/L	99
15) Methylene chloride	3.578	84	1959241	209.333	ug/L	74
17) Acetone	3.609	43	248057	176.205	ug/L #	84
18) trans-1,2-Dichloroethene	3.735	96	1644520	228.187	ug/L	79
19) Methyl acetate	3.735	43	570087	220.384	ug/L #	79
21) Methyl tert-butyl ether	3.835	73	3584556	241.040	ug/L	90
22) tert-Butyl alcohol	3.913	59	327045	1218.648	ug/L #	53
24) Diisopropyl ether	4.196	45	3583136	195.922	ug/L #	92
25) 1,1-Dichloroethane	4.322	63	3044182	224.285	ug/L #	96
26) Halothane	4.375	117	1226402	244.837	ug/L	97

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N14.D
Acq On : 17 Aug 2024 01:44 am
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1961896,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:34:58 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	396200	240.983	ug/L		95
28) Ethyl tert-butyl ether	4.548	59	3576234	206.304	ug/L		88
29) Vinyl acetate	4.553	43	2515167	222.980	ug/L	#	87
30) cis-1,2-Dichloroethene	4.841	96	1863150	220.591	ug/L	#	78
31) 2,2-Dichloropropane	4.946	77	2357442	226.766	ug/L	#	78
33) Bromochloromethane	5.035	128	922527	229.613	ug/L	#	53
34) Cyclohexane	5.051	56	2588309	237.292	ug/L		78
35) Chloroform	5.109	83	2859007	216.391	ug/L		92
36) Ethyl acetate	5.214	43	765942	209.074	ug/L	#	95
37) Carbon tetrachloride	5.250	117	2193215	259.757	ug/L		98
38) Tetrahydrofuran	5.255	42	257910M6	213.562	ug/L		
40) 1,1,1-Trichloroethane	5.313	97	2492992	239.081	ug/L		91
42) 2-Butanone	5.392	43	337850	197.747	ug/L		94
43) 1,1-Dichloropropene	5.434	75	2093711	232.545	ug/L		93
45) Benzene	5.680	78	5734906	200.974	ug/L		95
46) tert-Amyl methyl ether	5.795	73	3160574	197.206	ug/L		92
48) 1,2-Dichloroethane	5.879	62	1844762	224.602	ug/L	#	97
51) Methyl cyclohexane	6.278	83	2441749	216.388	ug/L	#	79
52) Trichloroethene	6.283	95	1630538	214.234	ug/L		92
54) Dibromomethane	6.718	93	914220	233.210	ug/L	#	87
55) 1,2-Dichloropropane	6.823	63	1527391	229.251	ug/L		96
57) 2-Chloroethyl vinyl ether	7.515	63	780072	198.488	ug/L	#	77
58) Bromodichloromethane	6.897	83	2200931	240.922	ug/L	#	97
61) 1,4-Dioxane	7.101	88	95859	2245.064	ug/L	#	85
62) cis-1,3-Dichloropropene	7.589	75	2400925	232.732	ug/L	#	79
65) Toluene	7.856	92	3944044	182.959	ug/L		96
66) 4-Methyl-2-pentanone	8.286	58	346472	210.485	ug/L	#	69
67) Tetrachloroethene	8.312	166	1607168	188.001	ug/L	#	92
69) trans-1,3-Dichloropropene	8.333	75	2004030	211.203	ug/L	#	73
71) Ethyl methacrylate	8.527	69	1646422	200.834	ug/L		89
72) 1,1,2-Trichloroethane	8.522	83	948485	196.690	ug/L		95
73) Chlorodibromomethane	8.737	129	1472316	222.208	ug/L		98
74) 1,3-Dichloropropane	8.847	76	1958507	198.504	ug/L		100
75) 1,2-Dibromoethane	9.010	107	1012259	209.708	ug/L		99
77) 2-Hexanone	9.293	43	585237	202.452	ug/L	#	86
78) Chlorobenzene	9.670	112	4605118	192.458	ug/L		95
79) Ethylbenzene	9.712	91	8130946	200.784	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.754	131	1423193	207.536	ug/L		99
81) p/m Xylene	9.901	106	6529044	404.240	ug/L		84
82) o Xylene	10.436	106	6320516	406.143	ug/L		84

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N14.D
Acq On : 17 Aug 2024 01:44 am
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1961896,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:34:58 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	10175927	396.605	ug/L		97
85) Bromoform	10.520	173	875339	198.921	ug/L		98
87) Isopropylbenzene	10.813	105	8135868	189.982	ug/L		93
89) Bromobenzene	11.243	156	2151998	192.123	ug/L		99
90) n-Propylbenzene	11.290	91	9572398	185.816	ug/L	#	90
91) 1,4-Dichlorobutane	11.296	55	1956721	179.390	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.369	83	1506147	196.404	ug/L	#	98
93) 4-Ethyltoluene	11.416	105	8300110	191.753	ug/L		94
94) 2-Chlorotoluene	11.453	91	5908728M4	184.729	ug/L		
95) 1,3,5-Trimethylbenzene	11.510	105	7413250	193.211	ug/L		94
96) 1,2,3-Trichloropropane	11.505	75	1120652M4	181.283	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	383016	210.957	ug/L	#	76
98) 4-Chlorotoluene	11.636	91	6329236	188.596	ug/L		90
99) tert-Butylbenzene	11.851	119	5902118	188.278	ug/L		93
102) 1,2,4-Trimethylbenzene	11.930	105	7395435	199.539	ug/L		93
103) sec-Butylbenzene	12.040	105	8424968	187.165	ug/L		89
104) p-Isopropyltoluene	12.197	119	7557217	192.399	ug/L		95
105) 1,3-Dichlorobenzene	12.260	146	4248838	193.049	ug/L		97
106) 1,4-Dichlorobenzene	12.349	146	4270244	192.333	ug/L		98
107) p-Diethylbenzene	12.564	119	4763645	208.134	ug/L		95
108) n-Butylbenzene	12.622	91	6489372	198.715	ug/L	#	93
109) 1,2-Dichlorobenzene	12.774	146	4022687	193.074	ug/L		98
110) 1,2,4,5-Tetramethylben...	13.356	119	7196943	206.121	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.545	155	229287	212.403	ug/L		97
112) 1,3,5-Trichlorobenzene	13.582	180	3213197	208.135	ug/L		95
113) Hexachlorobutadiene	14.158	225	1064086	200.797	ug/L		99
114) 1,2,4-Trichlorobenzene	14.179	180	2834556	203.127	ug/L		100
115) Naphthalene	14.468	128	5572182	190.349	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	2557265	195.410	ug/L		98

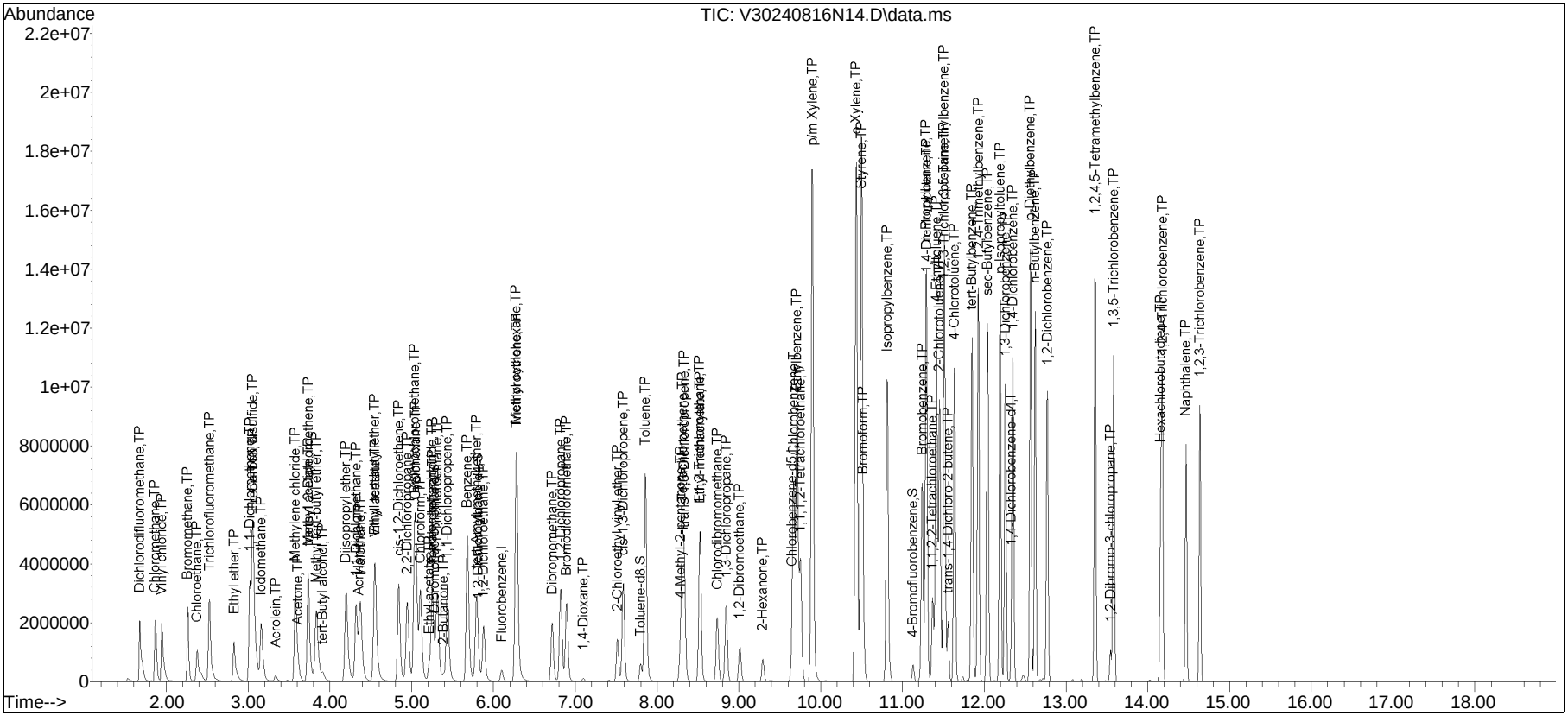
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N14.D
Acq On : 17 Aug 2024 01:44 am
Operator : VOA130:PID
Sample : I8260STD200PPB
Misc : WG1961896,ICAL
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 21 06:34:58 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:33:36 2024
Response via : Initial Calibration

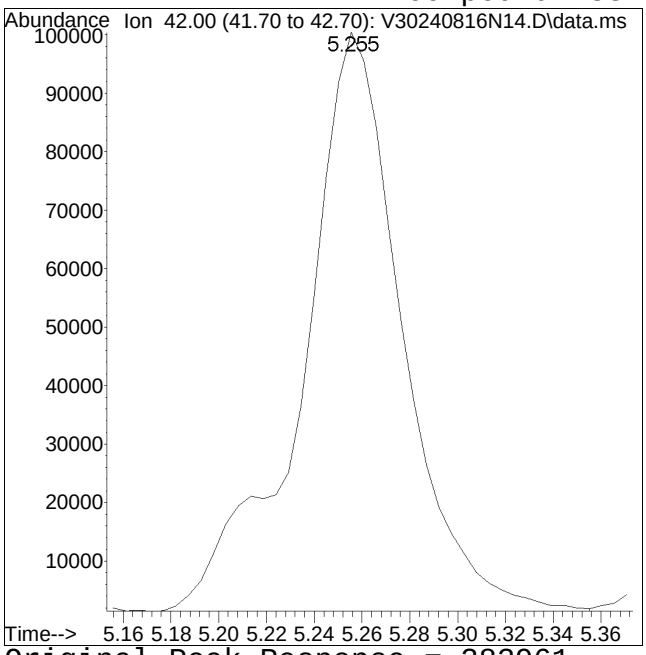
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•



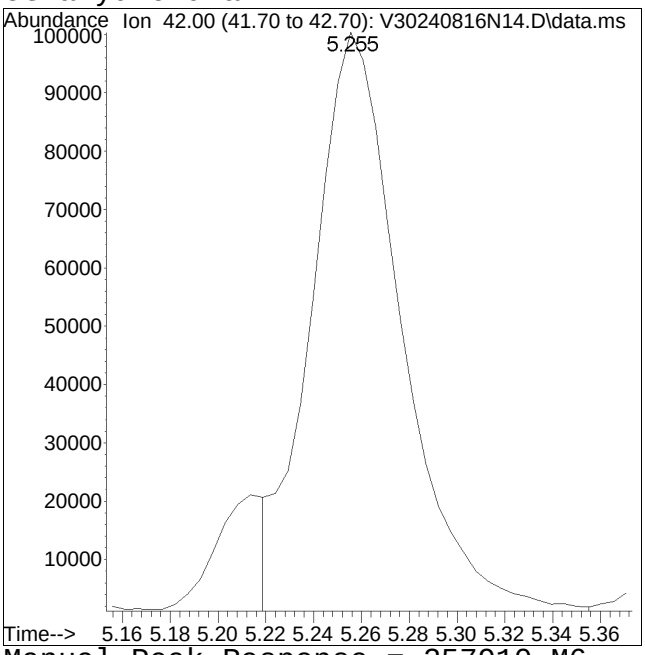
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N14.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:44 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/21/2024 6:34 am

Compound #38: Tetrahydrofuran



Original Peak Response = 283961



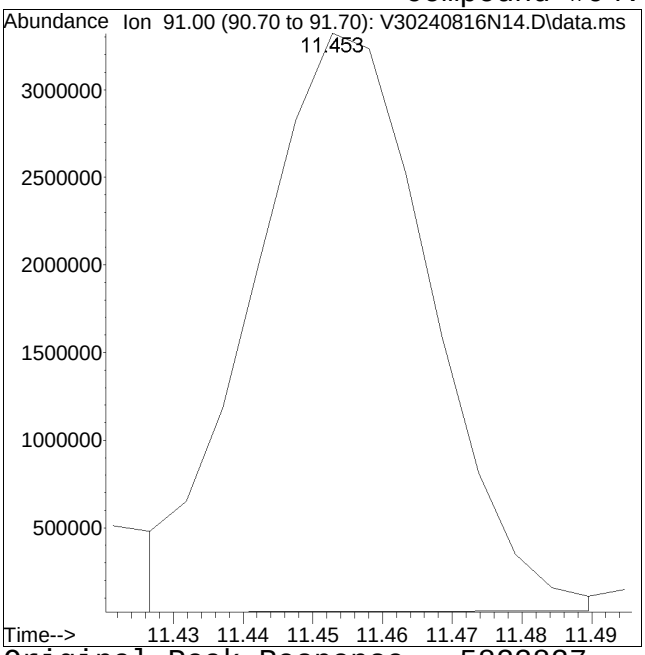
Manual Peak Response = 257910 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

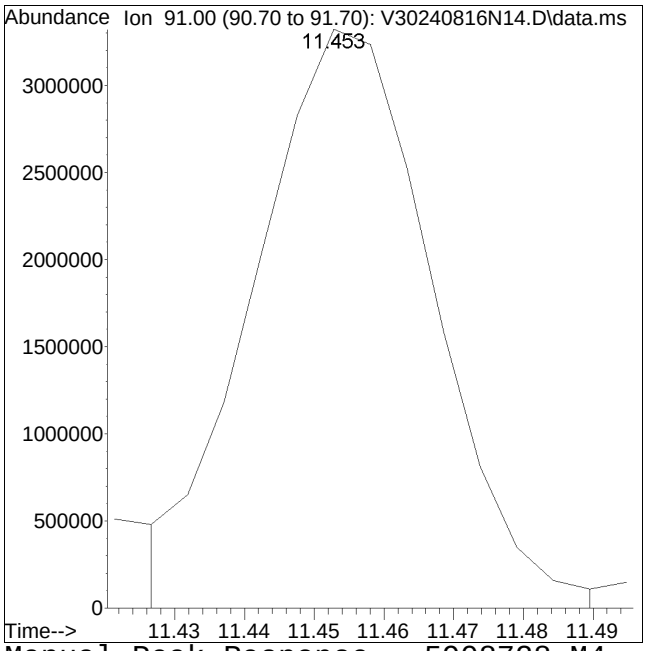
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N14.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:44 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/21/2024 6:34 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 5823827



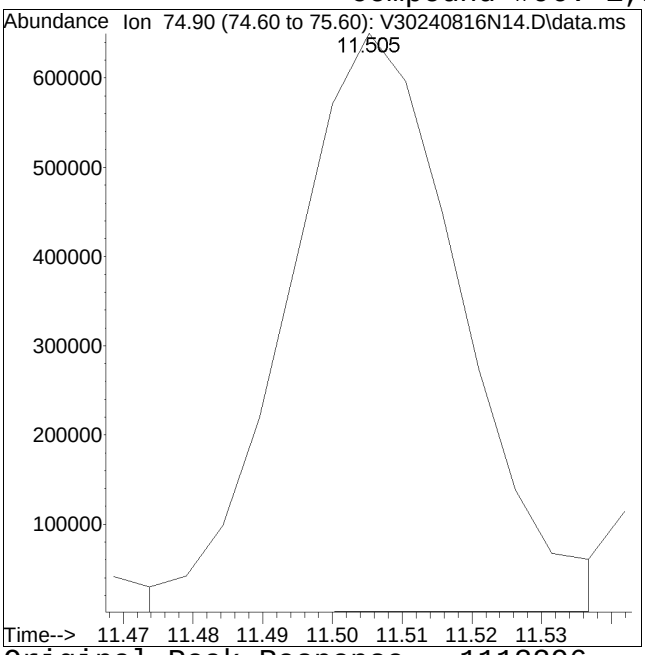
Manual Peak Response = 5908728 M4

M4 = Poor automated baseline construction.

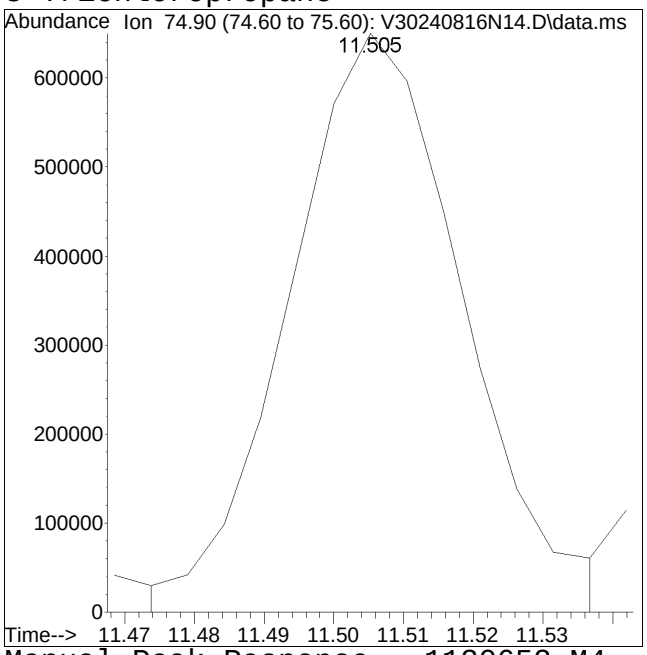
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N14.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 1:44 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 8/21/2024 6:34 am

Compound #96: 1,2,3-Trichloropropane



Original Peak Response = 1113296



Manual Peak Response = 1120652 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	95	0.00
2	TP	Dichlorodifluoromethane	0.231	0.200	13.4	83	0.00
3	TP	Chloromethane	0.249	0.264	-6.0	103	0.00
4	TP	Vinyl chloride	0.224	0.225	-0.4	97	0.00
5	TP	Bromomethane	0.134	0.136	-1.5	106	0.00
6	TP	Chloroethane	0.143	0.145	-1.4	99	0.00
7	TP	Trichlorofluoromethane	0.252	0.263	-4.4	103	0.00
8	TP	Ethyl ether	0.073	0.069	5.5	98	0.00
10	TP	1,1-Dichloroethene	0.154	0.155	-0.6	99	0.00
11	TP	Carbon disulfide	0.482	0.437	9.3	93	0.00
12	TP	Freon-113	0.150	0.137	8.7	99	0.00
13	TP	Iodomethane	0.268	0.239	10.8	101	0.00
14	TP	Acrolein	0.020	0.015	25.0#	79	0.00
15	TP	Methylene chloride	0.206	0.205	0.5	100	0.00
17	TP	Acetone	0.025	0.023	8.0	94	0.00
18	TP	trans-1,2-Dichloroethene	0.159	0.163	-2.5	100	0.00
19	TP	Methyl acetate	0.057	0.053	7.0	93	0.00
21	TP	Methyl tert-butyl ether	0.328	0.259	21.0#	82	0.00
22	TP	tert-Butyl alcohol	0.00591	0.00567#	4.1	94	0.00
24	TP	Diisopropyl ether	0.403	0.431	-6.9	98	0.00
25	TP	1,1-Dichloroethane	0.299	0.311	-4.0	102	0.00
26	TP	Halothane	0.117	0.102	12.8	102	0.00
27	TP	Acrylonitrile	0.036	0.033	8.3	91	0.00
28	TP	Ethyl tert-butyl ether	0.382	0.388	-1.6	95	0.00
29	TP	Vinyl acetate	0.249	0.209	16.1	90	0.00
30	TP	cis-1,2-Dichloroethene	0.186	0.189#	-1.6	103	0.00
31	TP	2,2-Dichloropropane	0.229	0.210	8.3	96	0.00
33	TP	Bromochloromethane	0.089	0.086#	3.4	98	0.00
34	TP	Cyclohexane	0.240	0.218	9.2	96	0.00
35	TP	Chloroform	0.291	0.314	-7.9	108	0.00
36	TP	Ethyl acetate	0.081	0.077	4.9	94	0.00
37	TP	Carbon tetrachloride	* 10.000	8.454	15.5	94	0.00
38	TP	Tetrahydrofuran	0.027	0.021	22.2#	89	0.00
39	S	Dibromofluoromethane	0.261	0.248	5.0	96	0.00
40	TP	1,1,1-Trichloroethane	* 10.000	9.007	9.9	101	0.00
42	TP	2-Butanone	0.038	0.032	15.8	87	0.00
43	TP	1,1-Dichloropropene	0.198	0.200	-1.0	101	0.00
45	TP	Benzene	0.629	0.640	-1.7	97	0.00
46	TP	tert-Amyl methyl ether	0.353	0.353	0.0	94	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.250	0.240	4.0	94	0.00
48	TP	1,2-Dichloroethane	0.181	0.178	1.7	99	0.00
51	TP	Methyl cyclohexane	0.249	0.254	-2.0	99	0.00
52	TP	Trichloroethene	0.168	0.162#	3.6	95	0.00
54	TP	Dibromomethane	0.086	0.084	2.3	97	0.00
55	TP	1,2-Dichloropropane	0.147	0.147#	0.0	100	0.00
57	TP	2-Chloroethyl vinyl ether	0.087	0.081	6.9	85	0.00
58	TP	Bromodichloromethane	0.201	0.177#	11.9	96	0.00
61	TP	1,4-Dioxane	0.00094	0.00100#	-6.4	107	0.00
62	TP	cis-1,3-Dichloropropene	0.227	0.217#	4.4	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	S	Toluene-d8	1.289	1.316	-2.1	96	0.00
65	TP	Toluene	0.518	0.571	-10.2	100	0.00
66	TP	4-Methyl-2-pentanone	0.043	0.044	-2.3	96	0.00
67	TP	Tetrachloroethene	0.206	0.230	-11.7	101	0.00
69	TP	trans-1,3-Dichloropropene	0.228	0.228#	0.0	94	0.00
71	TP	Ethyl methacrylate	0.197	0.201	-2.0	92	0.00
72	TP	1,1,2-Trichloroethane	0.116	0.124#	-6.9	98	0.00
73	TP	Chlorodibromomethane	0.159	0.153#	3.8	96	0.00
74	TP	1,3-Dichloropropane	0.237	0.251	-5.9	96	0.00
75	TP	1,2-Dibromoethane	0.116	0.110#	5.2	91	0.00
77	TP	2-Hexanone	0.070	0.067	4.3	93	0.00
78	T	Chlorobenzene	0.575	0.631	-9.7	102	0.00
79	TP	Ethylbenzene	0.974	1.039	-6.7	100	0.00
80	T	1,1,1,2-Tetrachloroethane	0.165	0.170	-3.0	100	0.00
81	TP	p/m Xylene	0.388	0.410	-5.7	100	0.00
82	TP	o Xylene	0.374	0.391	-4.5	100	0.00
83	TP	Styrene	0.617	0.657	-6.5	100	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
85	TP	Bromoform	0.172	0.179	-4.1	97	0.00
87	TP	Isopropylbenzene	1.670	1.871	-12.0	100	0.00
88	S	4-Bromofluorobenzene	0.877	0.888	-1.3	96	0.00
89	TP	Bromobenzene	0.437	0.482	-10.3	101	0.00
90	TP	n-Propylbenzene	2.009	2.258	-12.4	100	0.00
91	TP	1,4-Dichlorobutane	0.425	0.451	-6.1	93	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.299	0.323	-8.0	99	0.00
93	TP	4-Ethyltoluene	1.688	1.942	-15.0	104	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.248	1.423	-14.0	104	0.00
95 TP	1,3,5-Trimethylbenzene	1.496	1.604	-7.2	99	0.00
96 TP	1,2,3-Trichloropropane	0.241	0.264	-9.5	95	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.064	9.9	82	0.00
98 TP	4-Chlorotoluene	1.309	1.452	-10.9	102	0.00
99 TP	tert-Butylbenzene	1.223	1.367	-11.8	101	0.00
102 TP	1,2,4-Trimethylbenzene	1.446	1.580	-9.3	102	0.00
103 TP	sec-Butylbenzene	1.756	1.984	-13.0	100	0.00
104 TP	p-Isopropyltoluene	1.532	1.679	-9.6	100	0.00
105 TP	1,3-Dichlorobenzene	0.858	0.936	-9.1	102	0.00
106 TP	1,4-Dichlorobenzene	0.866	0.942	-8.8	101	0.00
107 TP	p-Diethylbenzene	0.893	0.924	-3.5	99	0.00
108 TP	n-Butylbenzene	1.274	1.446	-13.5	106	0.00
109 TP	1,2-Dichlorobenzene	0.813	0.876	-7.7	100	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.362	1.377	-1.1	99	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.042	0.044	-4.8	94	0.00
112 TP	1,3,5-Trichlorobenzene	0.602	0.610	-1.3	99	0.00
113 TP	Hexachlorobutadiene	0.207	0.211	-1.9	98	0.00
114 TP	1,2,4-Trichlorobenzene	0.544	0.569	-4.6	100	0.00
115 TP	Naphthalene	1.142	1.211	-6.0	96	0.00
116 TP	1,2,3-Trichlorobenzene	0.510	0.545	-6.9	99	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 12 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.100	96	497541	10.000	ug/L	0.00
Standard Area 1 = 524074			Recovery = 94.94%			
63) Chlorobenzene-d5	9.649	117	409481	10.000	ug/L	0.00
Standard Area 1 = 421293			Recovery = 97.20%			
84) 1,4-Dichlorobenzene-d4	12.334	152	210593	10.000	ug/L	0.00
Standard Area 1 = 215997			Recovery = 97.50%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.287	113	123290	9.486	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.86%			
47) 1,2-Dichloroethane-d4	5.811	65	119340	9.606	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.06%			
64) Toluene-d8	7.798	98	539029	10.210	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.10%			
88) 4-Bromofluorobenzene	11.133	95	187013	10.128	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.28%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.675	85	99300	8.642	ug/L	95
3) Chloromethane	1.869	50	131380	10.587	ug/L	98
4) Vinyl chloride	1.947	62	112080	10.068	ug/L	99
5) Bromomethane	2.267	94	67888	10.179	ug/L	97
6) Chloroethane	2.388	64	72051	10.161	ug/L	97
7) Trichlorofluoromethane	2.529	101	130875	10.443	ug/L	98
8) Ethyl ether	2.828	74	34148	9.439	ug/L	79
10) 1,1-Dichloroethene	3.022	96	77079	10.047	ug/L #	71
11) Carbon disulfide	3.053	76	217324	9.068	ug/L	100
12) Freon-113	3.064	101	68289	9.180	ug/L	87
13) Iodomethane	3.158	142	119070	8.944	ug/L	99
14) Acrolein	3.337	56	7348	7.273	ug/L	99
15) Methylene chloride	3.578	84	101954	9.936	ug/L	76
17) Acetone	3.609	43	11458	9.210	ug/L #	87
18) trans-1,2-Dichloroethene	3.735	96	81090	10.263	ug/L	80
19) Methyl acetate	3.735	43	26326	9.283	ug/L #	77
21) Methyl tert-butyl ether	3.835	73	128915	7.907	ug/L	88
22) tert-Butyl alcohol	3.913	59	14095	47.906	ug/L #	53
24) Diisopropyl ether	4.202	45	214575	10.702	ug/L #	94
25) 1,1-Dichloroethane	4.322	63	154734	10.398	ug/L #	98
26) Halothane	4.375	117	50771	8.749	ug/L	98

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.354	53	16322	9.055	ug/L		95
28) Ethyl tert-butyl ether	4.553	59	193156	10.164	ug/L	#	78
29) Vinyl acetate	4.553	43	104025	8.412	ug/L	#	90
30) cis-1,2-Dichloroethene	4.841	96	94039	10.156	ug/L	#	77
31) 2,2-Dichloropropane	4.946	77	104716	9.188	ug/L		79
33) Bromochloromethane	5.035	128	42658	9.684	ug/L	#	52
34) Cyclohexane	5.051	56	108704	9.090	ug/L		77
35) Chloroform	5.104	83	156042	10.773	ug/L		92
36) Ethyl acetate	5.219	43	38205	9.512	ug/L	#	94
37) Carbon tetrachloride	5.250	117	81437M6	8.454	ug/L		
38) Tetrahydrofuran	5.261	42	10513M4	7.940	ug/L		
40) 1,1,1-Trichloroethane	5.313	97	109358	9.007	ug/L		92
42) 2-Butanone	5.392	43	15983	8.533	ug/L		95
43) 1,1-Dichloropropene	5.434	75	99408	10.071	ug/L		92
45) Benzene	5.680	78	318465	10.180	ug/L		95
46) tert-Amyl methyl ether	5.796	73	175636	9.996	ug/L		94
48) 1,2-Dichloroethane	5.880	62	88671	9.847	ug/L	#	98
51) Methyl cyclohexane	6.283	83	126300	10.209	ug/L		81
52) Trichloroethene	6.283	95	80629	9.663	ug/L		90
54) Dibromomethane	6.718	93	41799	9.726	ug/L	#	89
55) 1,2-Dichloropropane	6.823	63	73085	10.006	ug/L		96
57) 2-Chloroethyl vinyl ether	7.521	63	40453	9.389	ug/L	#	81
58) Bromodichloromethane	6.897	83	88234	8.810	ug/L	#	99
61) 1,4-Dioxane	7.101	88	24938	532.736	ug/L	#	86
62) cis-1,3-Dichloropropene	7.589	75	108095	9.557	ug/L	#	81
65) Toluene	7.861	92	233986	11.025	ug/L		99
66) 4-Methyl-2-pentanone	8.286	58	18106	10.352	ug/L	#	70
67) Tetrachloroethene	8.312	166	94046	11.174	ug/L		92
69) trans-1,3-Dichloropropene	8.333	75	93372	9.995	ug/L	#	77
71) Ethyl methacrylate	8.533	69	82336	10.201	ug/L	#	87
72) 1,1,2-Trichloroethane	8.522	83	50635	10.665	ug/L		96
73) Chlorodibromomethane	8.737	129	62837	9.632	ug/L		98
74) 1,3-Dichloropropane	8.847	76	102642	10.567	ug/L		99
75) 1,2-Dibromoethane	9.015	107	44870	9.442	ug/L		100
77) 2-Hexanone	9.298	43	27374	9.618	ug/L	#	87
78) Chlorobenzene	9.670	112	258401	10.969	ug/L		96
79) Ethylbenzene	9.712	91	425521	10.673	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.754	131	69697	10.323	ug/L		98
81) p/m Xylene	9.896	106	336052	21.133	ug/L		92
82) o Xylene	10.431	106	320405	20.912	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240816NICAL\V30240816N10.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.499	104	537742	21.287	ug/L		93
85) Bromoform	10.520	173	37598	10.403	ug/L		96
87) Isopropylbenzene	10.813	105	394120	11.205	ug/L		97
89) Bromobenzene	11.243	156	101499	11.032	ug/L		99
90) n-Propylbenzene	11.290	91	475454	11.237	ug/L		95
91) 1,4-Dichlorobutane	11.301	55	94990	10.603	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.369	83	67917	10.783	ug/L		99
93) 4-Ethyltoluene	11.416	105	409070	11.506	ug/L		97
94) 2-Chlorotoluene	11.453	91	299669M1	11.406	ug/L		
95) 1,3,5-Trimethylbenzene	11.511	105	337827	10.720	ug/L		97
96) 1,2,3-Trichloropropane	11.505	75	55660M1	10.962	ug/L		
97) trans-1,4-Dichloro-2-b...	11.558	53	13451	9.020	ug/L	#	92
98) 4-Chlorotoluene	11.636	91	305833	11.095	ug/L		93
99) tert-Butylbenzene	11.851	119	287970	11.184	ug/L		93
102) 1,2,4-Trimethylbenzene	11.925	105	332788	10.932	ug/L		97
103) sec-Butylbenzene	12.040	105	417735	11.299	ug/L		94
104) p-Isopropyltoluene	12.192	119	353619	10.961	ug/L		96
105) 1,3-Dichlorobenzene	12.255	146	197028	10.899	ug/L		97
106) 1,4-Dichlorobenzene	12.350	146	198408	10.880	ug/L		98
107) p-Diethylbenzene	12.564	119	194535	10.348	ug/L		95
108) n-Butylbenzene	12.622	91	304506	11.353	ug/L		97
109) 1,2-Dichlorobenzene	12.769	146	184396	10.775	ug/L		97
110) 1,2,4,5-Tetramethylben...	13.356	119	289995	10.112	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.545	155	9351	10.546	ug/L		100
112) 1,3,5-Trichlorobenzene	13.582	180	128500	10.134	ug/L		95
113) Hexachlorobutadiene	14.158	225	44501	10.224	ug/L		99
114) 1,2,4-Trichlorobenzene	14.179	180	119819	10.454	ug/L		99
115) Naphthalene	14.468	128	255062	10.608	ug/L		100
116) 1,2,3-Trichlorobenzene	14.635	180	114711	10.672	ug/L		98

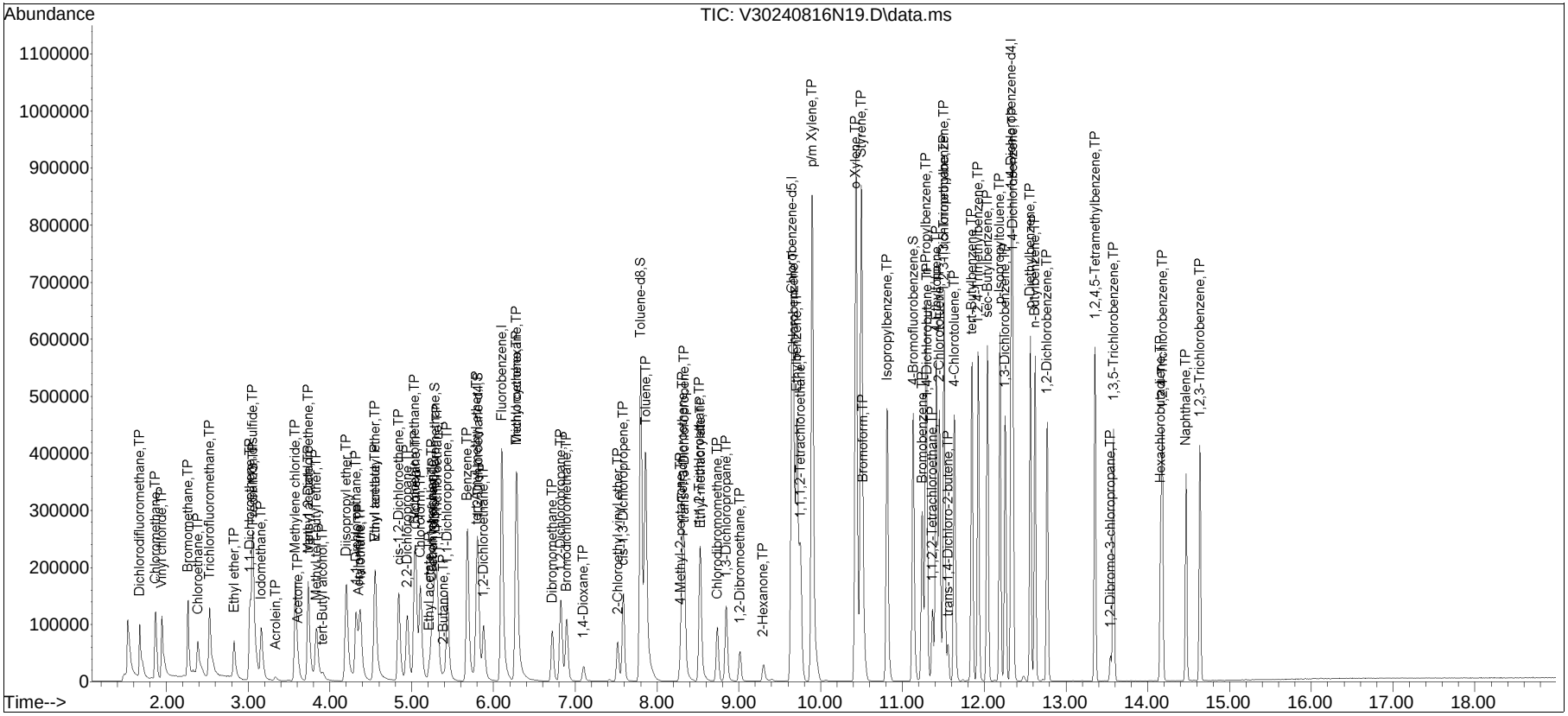
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240816NICAL\
Data File : V30240816N19.D
Acq On : 17 Aug 2024 03:32 am
Operator : VOA130:PID
Sample : C8260STD10PPB
Misc : WG1961896,ICAL
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 21 06:46:12 2024
Quant Method : K:\VOA130\2024\240816NICAL\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

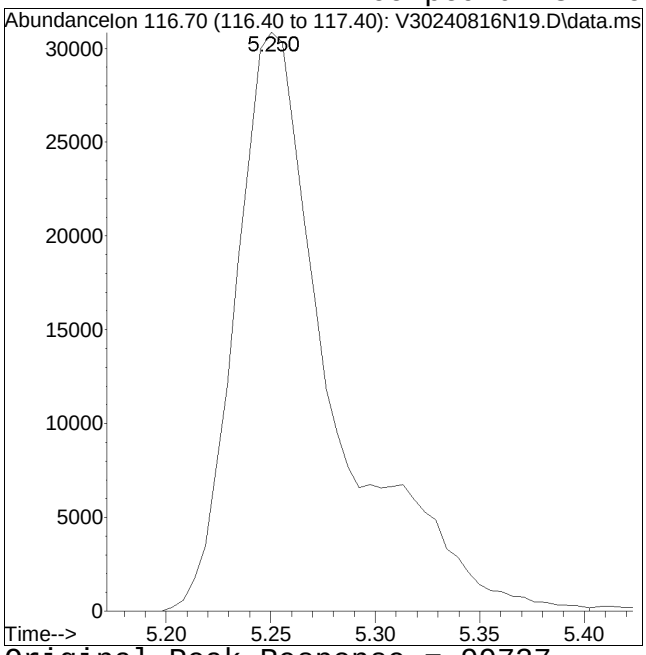
Sub List : 8260-Curve - Megamix plus Diox\V30240816N10.D•



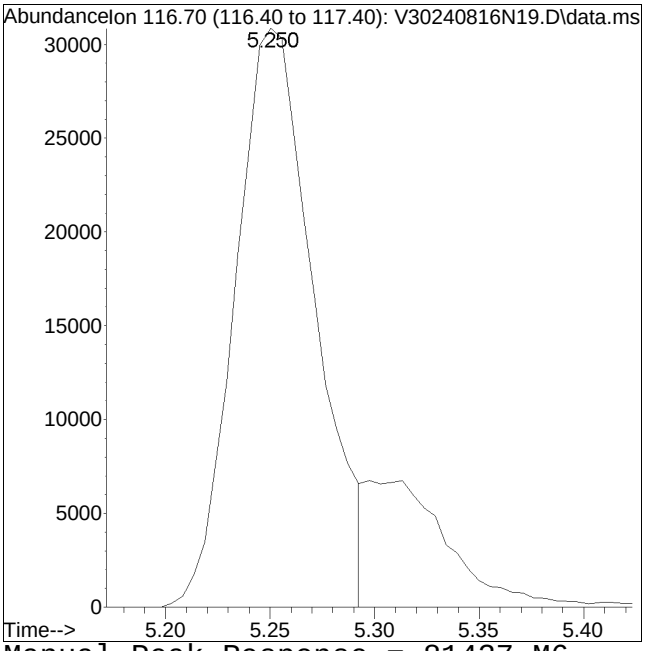
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N19.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 3:32 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/21/2024 6:45 am

Compound #37: Carbon tetrachloride



Original Peak Response = 99737



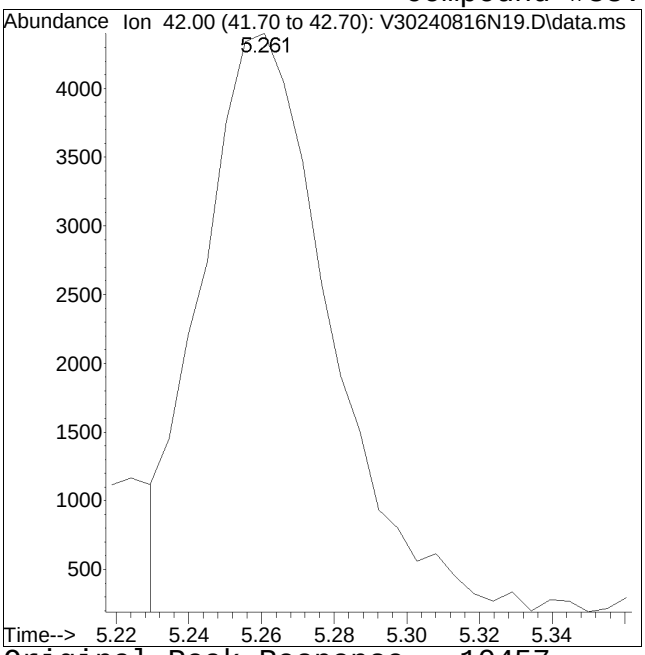
Manual Peak Response = 81437 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

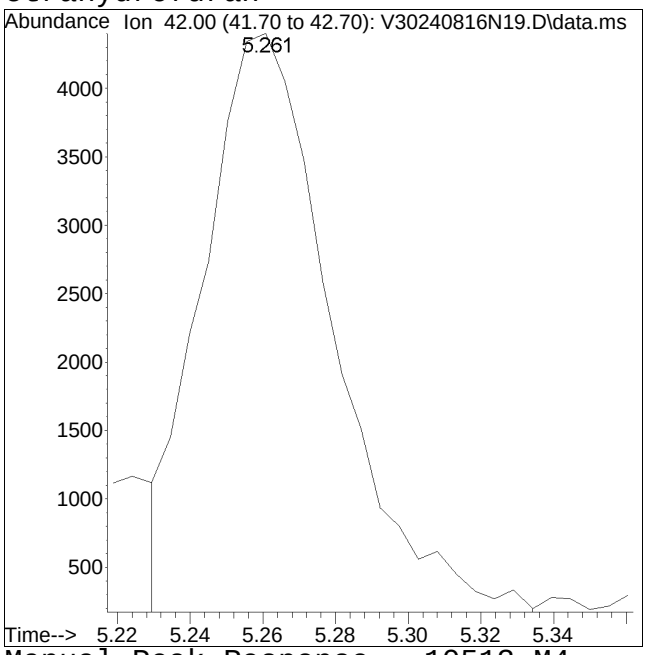
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N19.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 3:32 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/21/2024 6:45 am

Compound #38: Tetrahydrofuran



Original Peak Response = 10457



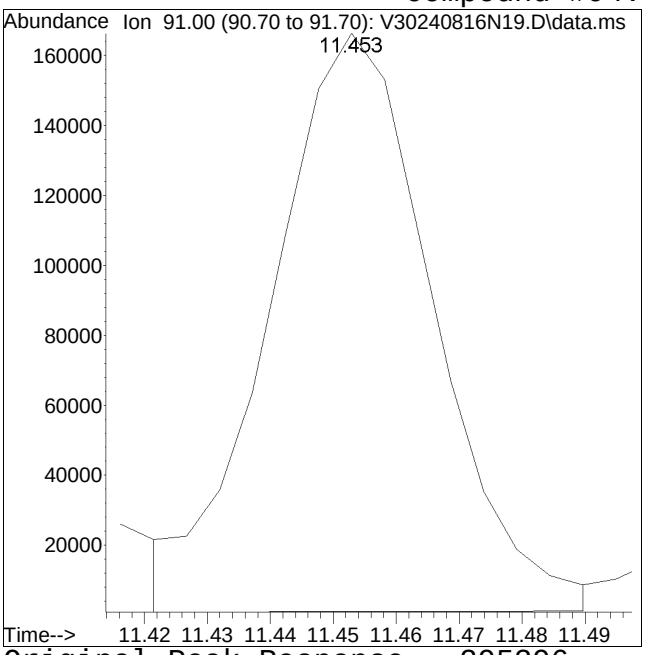
Manual Peak Response = 10513 M4

M4 = Poor automated baseline construction.

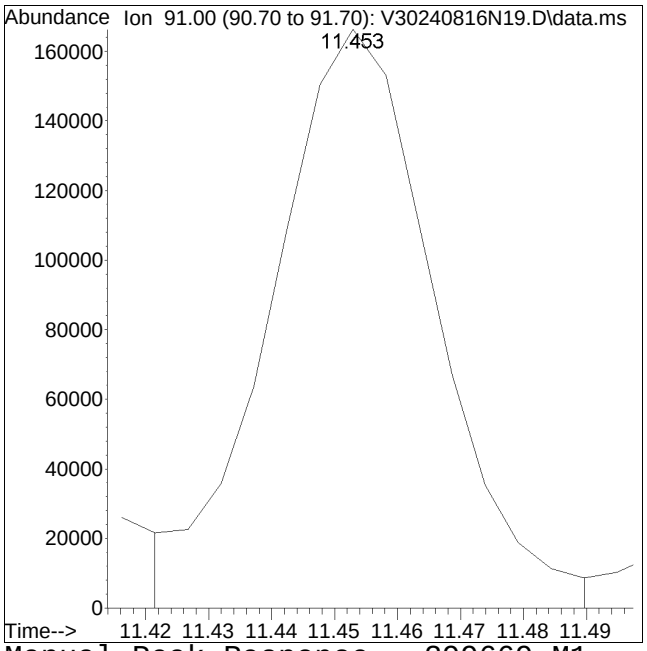
Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N19.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 3:32 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/21/2024 6:45 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 295396



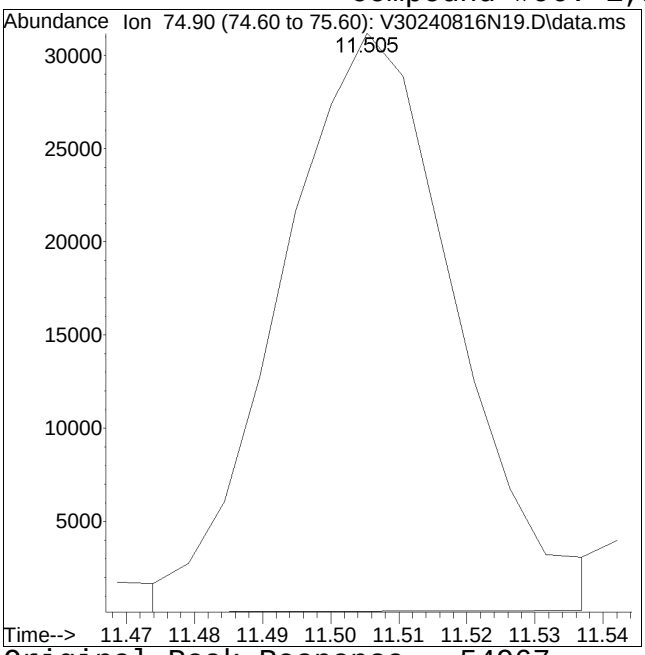
Manual Peak Response = 299669 M1

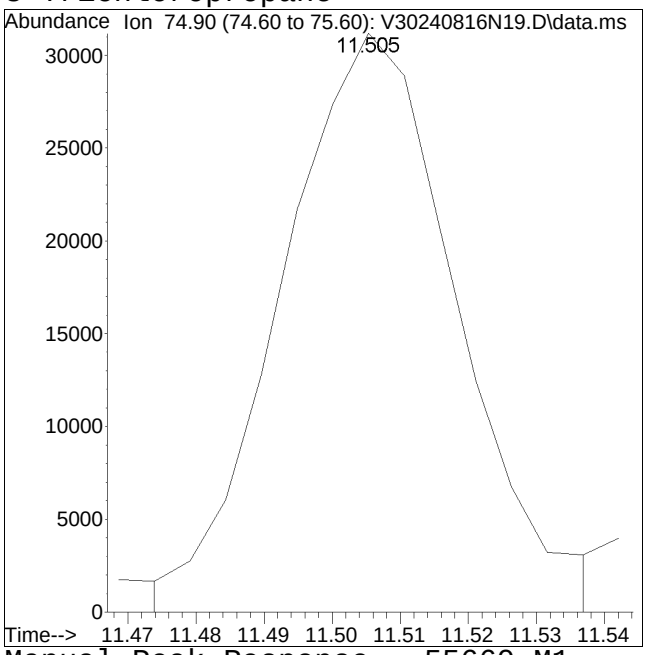
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA130\2024\240816NICALQMethod : V130_240816N_8260D.m
Data File : V30240816N19.D Operator : VOA130:PID
Date Inj'd : 8/17/2024 3:32 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 8/21/2024 6:45 am

Compound #96: 1,2,3-Trichloropropane





Original Peak Response = 54967 Manual Peak Response = 55660 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA130

Method Path : K:\VOA130\2024\240816NICAL\
Method File : V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	TP Carbon tetrachloride	Q	ug/L	10.0	8.551	-14.5	0.50	0.622	24.4
40	TP 1,1,1-Trichloroethane	Q	ug/L	10.0	8.498	-15.0	0.50	0.623	24.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	TP Carbon tetrachloride	Quadratic	0.997052	0.003235	0.198041	-0.00606473
40	TP 1,1,1-Trichloroethane	Quadratic	0.998547	0.001220	0.251536	-0.00776009

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA130	**Calibration Date**	: 09/10/24 06:37		
Lab File ID	: V30240910A01	**Init. Calib. Date(s)**	: 08/16/24	08/17/24	
Sample No	: WG1969667-2	**Init. Calib. Times**	: 22:06	01:44	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	57	0
Dichlorodifluoromethane	0.231	0.227	-	1.7	20	56	0
Chloromethane	0.249	0.261	-	-4.8	20	61	0
Vinyl chloride	0.224	0.261	-	-16.5	20	67	0
Bromomethane	0.134	0.103	-	23.1*	20	48	0
Chloroethane	0.143	0.161	-	-12.6	20	66	-.01
Trichlorofluoromethane	0.252	0.259	-	-2.8	20	61	0
Ethyl ether	0.073	0.072	-	1.4	20	61	0
1,1-Dichloroethene	0.154	0.167	-	-8.4	20	64	0
Carbon disulfide	0.482	0.569	-	-18	20	72	0
Freon-113	0.15	0.145	-	3.3	20	62	-.01
Acrolein	0.02	0.021	-	-5	20	66	0
Methylene chloride	0.206	0.24	-	-16.5	20	70	0
Acetone	0.025	0.034	-	-36*	20	82	0
trans-1,2-Dichloroethene	0.159	0.183	-	-15.1	20	67	0
Methyl acetate	0.057	0.071	-	-24.6*	20	75	0
Methyl tert-butyl ether	0.328	0.249	-	24.1*	20	47	0
tert-Butyl alcohol	0.00591	0.0069*	-	-16.8	20	68	0
Diisopropyl ether	0.403	0.433	-	-7.4	20	59	0
1,1-Dichloroethane	0.299	0.389	-	-30.1*	20	76	0
Halothane	0.117	0.105	-	10.3	20	63	0
Acrylonitrile	0.036	0.046	-	-27.8*	20	76	0
Ethyl tert-butyl ether	0.382	0.333	-	12.8	20	49	0
Vinyl acetate	0.249	0.236	-	5.2	20	61	0
cis-1,2-Dichloroethene	0.186	0.215	-	-15.6	20	70	0
2,2-Dichloropropane	0.229	0.246	-	-7.4	20	67	0
Bromochloromethane	0.089	0.099*	-	-11.2	20	67	0
Cyclohexane	0.24	0.207	-	13.8	20	54	-.01
Chloroform	0.291	0.374	-	-28.5*	20	77	0
Ethyl acetate	0.081	0.084	-	-3.7	20	61	-.01
Carbon tetrachloride	10	9.239	-	7.6	20	62	0
Tetrahydrofuran	0.027	0.03	-	-11.1	20	74	0
Dibromofluoromethane	0.261	0.294	-	-12.6	20	68	0
1,1,1-Trichloroethane	10	9.491	-	5.1	20	64	0
2-Butanone	0.038	0.04	-	-5.3	20	65	0
1,1-Dichloropropene	0.198	0.186	-	6.1	20	56	0
Benzene	0.629	0.694	-	-10.3	20	63	0
tert-Amyl methyl ether	0.353	0.284	-	19.5	20	45	0
1,2-Dichloroethane-d4	0.25	0.3	-	-20	20	70	0
1,2-Dichloroethane	0.181	0.207	-	-14.4	20	69	0
Methyl cyclohexane	0.249	0.216	-	13.3	20	50	0
Trichloroethene	0.168	0.164*	-	2.4	20	57	0
Dibromomethane	0.086	0.1	-	-16.3	20	69	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA130	**Calibration Date**	: 09/10/24 06:37		
Lab File ID	: V30240910A01	**Init. Calib. Date(s)**	: 08/16/24	08/17/24	
Sample No	: WG1969667-2	**Init. Calib. Times**	: 22:06	01:44	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.147	0.162*	-	-10.2	20	66	0
Bromodichloromethane	0.201	0.21*	-	-4.5	20	68	0
1,4-Dioxane	0.00094	0.00107*	-	-13.8	20	68	-.01
cis-1,3-Dichloropropene	0.227	0.222*	-	2.2	20	58	0
Chlorobenzene-d5	1	1	-	0	20	55	0
Toluene-d8	1.289	1.367	-	-6.1	20	57	0
Toluene	0.518	0.602	-	-16.2	20	60	0
4-Methyl-2-pentanone	0.043	0.042	-	2.3	20	52	0
Tetrachloroethene	0.206	0.22	-	-6.8	20	55	0
trans-1,3-Dichloropropene	0.228	0.247*	-	-8.3	20	58	0
Ethyl methacrylate	0.197	0.172	-	12.7	20	45	0
1,1,2-Trichloroethane	0.116	0.139*	-	-19.8	20	62	0
Chlorodibromomethane	0.159	0.171*	-	-7.5	20	61	0
1,3-Dichloropropane	0.237	0.278	-	-17.3	20	61	0
1,2-Dibromoethane	0.116	0.139*	-	-19.8	20	66	0
2-Hexanone	0.07	0.068	-	2.9	20	54	0
Chlorobenzene	0.575	0.632	-	-9.9	20	58	0
Ethylbenzene	0.974	1.065	-	-9.3	20	59	0
1,1,1,2-Tetrachloroethane	0.165	0.184	-	-11.5	20	61	0
p/m Xylene	0.388	0.426	-	-9.8	20	59	0
o Xylene	0.374	0.407	-	-8.8	20	59	0
Styrene	0.617	0.703	-	-13.9	20	61	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	62	0
Bromoform	0.172	0.179	-	-4.1	20	62	0
Isopropylbenzene	1.67	1.653	-	1	20	56	0
4-Bromofluorobenzene	0.877	0.834	-	4.9	20	57	0
Bromobenzene	0.437	0.439	-	-0.5	20	58	0
n-Propylbenzene	2.009	2.234	-	-11.2	20	63	0
1,4-Dichlorobutane	0.425	0.502	-	-18.1	20	66	0
1,1,2,2-Tetrachloroethane	0.299	0.359	-	-20.1*	20	70	0
4-Ethyltoluene	1.688	1.763	-	-4.4	20	60	0
2-Chlorotoluene	1.248	1.415	-	-13.4	20	65	0
1,3,5-Trimethylbenzene	1.496	1.581	-	-5.7	20	62	0
1,2,3-Trichloropropane	0.241	0.286	-	-18.7	20	65	0
trans-1,4-Dichloro-2-buten	0.071	0.087	-	-22.5*	20	71	0
4-Chlorotoluene	1.309	1.435	-	-9.6	20	64	0
tert-Butylbenzene	1.223	1.228	-	-0.4	20	57	0
1,2,4-Trimethylbenzene	1.446	1.51	-	-4.4	20	62	0
sec-Butylbenzene	1.756	1.883	-	-7.2	20	60	0
p-Isopropyltoluene	1.532	1.55	-	-1.2	20	58	0
1,3-Dichlorobenzene	0.858	0.936	-	-9.1	20	65	0
1,4-Dichlorobenzene	0.866	0.952	-	-9.9	20	65	0
p-Diethylbenzene	0.893	0.888	-	0.6	20	60	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: VOA130		**Calibration Date**	: 09/10/24 06:37	
Lab File ID	: V30240910A01		**Init. Calib. Date(s)**	: 08/16/24	08/17/24
Sample No	: WG1969667-2		**Init. Calib. Times**	: 22:06	01:44
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.274	1.491	-	-17	20	69	0
1,2-Dichlorobenzene	0.813	0.865	-	-6.4	20	63	0
1,2,4,5-Tetramethylbenzene	1.362	1.21	-	11.2	20	56	0
1,2-Dibromo-3-chloropropan	0.042	0.048	-	-14.3	20	65	0
1,3,5-Trichlorobenzene	0.602	0.63	-	-4.7	20	65	0
Hexachlorobutadiene	0.207	0.218	-	-5.3	20	64	0
1,2,4-Trichlorobenzene	0.544	0.553	-	-1.7	20	62	0
Naphthalene	1.142	1.075	-	5.9	20	54	0
1,2,3-Trichlorobenzene	0.51	0.537	-	-5.3	20	62	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: ELAINE	**Calibration Date**	: 09/10/24 08:34		
Lab File ID	: VE240910A01	**Init. Calib. Date(s)**	: 07/31/24	07/31/24	
Sample No	: WG1970185-2	**Init. Calib. Times**	: 18:35	22:22	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	148	-.01
Dichlorodifluoromethane	0.224	0.228	-	-1.8	20	153	0
Chloromethane	0.25	0.224	-	10.4	20	126	-.01
Vinyl chloride	0.233	0.259	-	-11.2	20	157	0
Bromomethane	10	9.999	-	0	20	175	0
Chloroethane	0.14	0.152	-	-8.6	20	146	0
Trichlorofluoromethane	0.267	0.285	-	-6.7	20	165	0
Ethyl ether	0.105	0.099	-	5.7	20	138	0
1,1-Dichloroethene	0.16	0.181	-	-13.1	20	173	0
Carbon disulfide	0.494	0.553	-	-11.9	20	162	0
Methylene chloride	0.202	0.204	-	-1	20	148	0
Acetone	0.073	0.041	-	43.8*	20	87	-.01
trans-1,2-Dichloroethene	0.172	0.199	-	-15.7	20	166	0
Methyl tert-butyl ether	0.642	0.537	-	16.4	20	117	0
1,1-Dichloroethane	0.404	0.41	-	-1.5	20	143	0
Acrylonitrile	0.084	0.062	-	26.2*	20	104	0
Vinyl acetate	0.612	0.485	-	20.8*	20	129	-.01
cis-1,2-Dichloroethene	0.206	0.222	-	-7.8	20	155	-.01
2,2-Dichloropropane	0.27	0.276	-	-2.2	20	151	-.01
Bromochloromethane	0.091	0.101	-	-11	20	156	-.01
Chloroform	0.335	0.335	-	0	20	143	0
Carbon tetrachloride	0.256	0.287	-	-12.1	20	163	0
Dibromofluoromethane	0.234	0.234	-	0	20	145	0
1,1,1-Trichloroethane	0.304	0.319	-	-4.9	20	152	0
2-Butanone	0.105	0.061	-	41.9*	20	86	-.02
1,1-Dichloropropene	0.256	0.274	-	-7	20	156	-.01
Benzene	0.792	0.848	-	-7.1	20	149	-.01
1,2-Dichloroethane-d4	0.312	0.264	-	15.4	20	124	0
1,2-Dichloroethane	0.306	0.268	-	12.4	20	124	-.01
Trichloroethene	0.199	0.218	-	-9.5	20	153	-.01
Dibromomethane	0.115	0.108	-	6.1	20	133	0
1,2-Dichloropropane	0.239	0.232	-	2.9	20	138	-.01
Bromodichloromethane	0.283	0.275*	-	2.8	20	138	-.01
1,4-Dioxane	0.00192	0.0013*	-	32.3*	20	99	-.02
cis-1,3-Dichloropropene	0.319	0.314	-	1.6	20	136	-.01
Chlorobenzene-d5	1	1	-	0	20	153	0
Toluene-d8	1.317	1.29	-	2.1	20	149	-.01
Toluene	0.689	0.737	-	-7	20	158	0
4-Methyl-2-pentanone	0.117	0.077	-	34.2*	20	95	-.02
Tetrachloroethene	0.293	0.364	-	-24.2*	20	185	-.01
trans-1,3-Dichloropropene	0.388	0.334	-	13.9	20	123	0
Ethyl methacrylate	0.369	0.282	-	23.6*	20	112	0
1,1,2-Trichloroethane	0.193	0.178*	-	7.8	20	133	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: ELAINE	**Calibration Date**	: 09/10/24 08:34		
Lab File ID	: VE240910A01	**Init. Calib. Date(s)**	: 07/31/24	07/31/24	
Sample No	: WG1970185-2	**Init. Calib. Times**	: 18:35	22:22	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.27	0.255	-	5.6	20	139	0
1,3-Dichloropropane	0.408	0.367	-	10	20	131	0
1,2-Dibromoethane	0.228	0.205	-	10.1	20	132	-.01
2-Hexanone	0.229	0.122	-	46.7*	20	80	0
Chlorobenzene	0.734	0.799	-	-8.9	20	159	-.01
Ethylbenzene	1.335	1.424	-	-6.7	20	155	-.01
1,1,1,2-Tetrachloroethane	0.269	0.282	-	-4.8	20	151	0
p/m Xylene	0.509	0.568	-	-11.6	20	159	-.01
o Xylene	0.497	0.546	-	-9.9	20	157	0
Styrene	0.816	0.878	-	-7.6	20	152	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	152	0
Bromoform	0.325	0.301	-	7.4	20	139	-.01
Isopropylbenzene	2.395	2.557	-	-6.8	20	159	-.01
4-Bromofluorobenzene	0.924	0.838	-	9.3	20	138	0
Bromobenzene	0.605	0.658	-	-8.8	20	160	0
n-Propylbenzene	2.861	2.995	-	-4.7	20	155	0
1,4-Dichlorobutane	1.046	0.799	-	23.6*	20	114	0
1,1,2,2-Tetrachloroethane	0.508	0.423	-	16.7	20	131	0
4-Ethyltoluene	2.321	2.465	-	-6.2	20	155	0
2-Chlorotoluene	1.683	1.763	-	-4.8	20	152	0
1,3,5-Trimethylbenzene	2.036	2.153	-	-5.7	20	153	0
1,2,3-Trichloropropane	0.415	0.342	-	17.6	20	121	0
trans-1,4-Dichloro-2-buten	0.204	0.139	-	31.9*	20	104	0
4-Chlorotoluene	1.763	1.794	-	-1.8	20	149	0
tert-Butylbenzene	1.712	1.833	-	-7.1	20	158	0
1,2,4-Trimethylbenzene	2.033	2.124	-	-4.5	20	152	0
sec-Butylbenzene	2.538	2.692	-	-6.1	20	159	0
p-Isopropyltoluene	2.139	2.296	-	-7.3	20	159	0
1,3-Dichlorobenzene	1.117	1.236	-	-10.7	20	161	0
1,4-Dichlorobenzene	1.116	1.226	-	-9.9	20	161	0
p-Diethylbenzene	1.261	1.311	-	-4	20	153	0
n-Butylbenzene	1.842	1.872	-	-1.6	20	153	-.01
1,2-Dichlorobenzene	1.074	1.12	-	-4.3	20	153	0
1,2,4,5-Tetramethylbenzene	2.046	1.993	-	2.6	20	143	0
1,2-Dibromo-3-chloropropan	10	7.273	-	27.3*	20	114	0
Hexachlorobutadiene	0.283	0.32	-	-13.1	20	171	0
1,2,4-Trichlorobenzene	0.77	0.776	-	-0.8	20	150	0
Naphthalene	1.697	1.335	-	21.3*	20	120	0
1,2,3-Trichlorobenzene	0.707	0.643	-	9.1	20	136	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	57	0.00
2	TP	Dichlorodifluoromethane	0.231	0.227	1.7	56	0.00
3	TP	Chloromethane	0.249	0.261	-4.8	61	0.00
4	TP	Vinyl chloride	0.224	0.261	-16.5	67	0.00
5	TP	Bromomethane	0.134	0.103	23.1#	48#	0.00
6	TP	Chloroethane	0.143	0.161	-12.6	66	-0.01
7	TP	Trichlorofluoromethane	0.252	0.259	-2.8	61	0.00
8	TP	Ethyl ether	0.073	0.072	1.4	61	0.00
10	TP	1,1-Dichloroethene	0.154	0.167	-8.4	64	0.00
11	TP	Carbon disulfide	0.482	0.569	-18.0	72	0.00
12	TP	Freon-113	0.150	0.145	3.3	62	-0.01
14	TP	Acrolein	0.020	0.021	-5.0	66	0.00
15	TP	Methylene chloride	0.206	0.240	-16.5	70	0.00
17	TP	Acetone	0.025	0.034	-36.0#	82	0.00
18	TP	trans-1,2-Dichloroethene	0.159	0.183	-15.1	67	0.00
19	TP	Methyl acetate	0.057	0.071	-24.6#	75	0.00
21	TP	Methyl tert-butyl ether	0.328	0.249	24.1#	47#	0.00
22	TP	tert-Butyl alcohol	0.00591	0.00690#	-16.8	68	0.00
24	TP	Diisopropyl ether	0.403	0.433	-7.4	59	0.00
25	TP	1,1-Dichloroethane	0.299	0.389	-30.1#	76	0.00
26	TP	Halothane	0.117	0.105	10.3	63	0.00
27	TP	Acrylonitrile	0.036	0.046	-27.8#	76	0.00
28	TP	Ethyl tert-butyl ether	0.382	0.333	12.8	49#	0.00
29	TP	Vinyl acetate	0.249	0.236	5.2	61	0.00
30	TP	cis-1,2-Dichloroethene	0.186	0.215	-15.6	70	0.00
31	TP	2,2-Dichloropropane	0.229	0.246	-7.4	67	0.00
33	TP	Bromochloromethane	0.089	0.099#	-11.2	67	0.00
34	TP	Cyclohexane	0.240	0.207	13.8	54	-0.01
35	TP	Chloroform	0.291	0.374	-28.5#	77	0.00
36	TP	Ethyl acetate	0.081	0.084	-3.7	61	-0.01
37	TP	Carbon tetrachloride	* 10.000	9.239	7.6	62	0.00
38	TP	Tetrahydrofuran	0.027	0.030	-11.1	74	0.00
39	S	Dibromofluoromethane	0.261	0.294	-12.6	68	0.00
40	TP	1,1,1-Trichloroethane	* 10.000	9.491	5.1	64	0.00
42	TP	2-Butanone	0.038	0.040	-5.3	65	0.00
43	TP	1,1-Dichloropropene	0.198	0.186	6.1	56	0.00
45	TP	Benzene	0.629	0.694	-10.3	63	0.00
46	TP	tert-Amyl methyl ether	0.353	0.284	19.5	45#	0.00
47	S	1,2-Dichloroethane-d4	0.250	0.300	-20.0	70	0.00

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TP	1,2-Dichloroethane	0.181	0.207	-14.4	69	0.00
51	TP	Methyl cyclohexane	0.249	0.216	13.3	50	0.00
52	TP	Trichloroethene	0.168	0.164#	2.4	57	0.00
54	TP	Dibromomethane	0.086	0.100	-16.3	69	0.00
55	TP	1,2-Dichloropropane	0.147	0.162#	-10.2	66	0.00
58	TP	Bromodichloromethane	0.201	0.210#	-4.5	68	0.00
61	TP	1,4-Dioxane	0.00094	0.00107#	-13.8	68	-0.01
62	TP	cis-1,3-Dichloropropene	0.227	0.222#	2.2	58	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	55	0.00
64	S	Toluene-d8	1.289	1.367	-6.1	57	0.00
65	TP	Toluene	0.518	0.602	-16.2	60	0.00
66	TP	4-Methyl-2-pentanone	0.043	0.042	2.3	52	0.00
67	TP	Tetrachloroethene	0.206	0.220	-6.8	55	0.00
69	TP	trans-1,3-Dichloropropene	0.228	0.247#	-8.3	58	0.00
71	TP	Ethyl methacrylate	0.197	0.172	12.7	45#	0.00
72	TP	1,1,2-Trichloroethane	0.116	0.139#	-19.8	62	0.00
73	TP	Chlorodibromomethane	0.159	0.171#	-7.5	61	0.00
74	TP	1,3-Dichloropropane	0.237	0.278	-17.3	61	0.00
75	TP	1,2-Dibromoethane	0.116	0.139#	-19.8	66	0.00
77	TP	2-Hexanone	0.070	0.068	2.9	54	0.00
78	T	Chlorobenzene	0.575	0.632	-9.9	58	0.00
79	TP	Ethylbenzene	0.974	1.065	-9.3	59	0.00
80	T	1,1,1,2-Tetrachloroethane	0.165	0.184	-11.5	61	0.00
81	TP	p/m Xylene	0.388	0.426	-9.8	59	0.00
82	TP	o Xylene	0.374	0.407	-8.8	59	0.00
83	TP	Styrene	0.617	0.703	-13.9	61	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	62	0.00
85	TP	Bromoform	0.172	0.179	-4.1	62	0.00
87	TP	Isopropylbenzene	1.670	1.653	1.0	56	0.00
88	S	4-Bromofluorobenzene	0.877	0.834	4.9	57	0.00
89	TP	Bromobenzene	0.437	0.439	-0.5	58	0.00
90	TP	n-Propylbenzene	2.009	2.234	-11.2	63	0.00
91	TP	1,4-Dichlorobutane	0.425	0.502	-18.1	66	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.299	0.359	-20.1#	70	0.00
93	TP	4-Ethyltoluene	1.688	1.763	-4.4	60	0.00
94	TP	2-Chlorotoluene	1.248	1.415	-13.4	65	0.00
95	TP	1,3,5-Trimethylbenzene	1.496	1.581	-5.7	62	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 TP	1,2,3-Trichloropropane	0.241	0.286	-18.7	65	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.087	-22.5#	71	0.00
98 TP	4-Chlorotoluene	1.309	1.435	-9.6	64	0.00
99 TP	tert-Butylbenzene	1.223	1.228	-0.4	57	0.00
102 TP	1,2,4-Trimethylbenzene	1.446	1.510	-4.4	62	0.00
103 TP	sec-Butylbenzene	1.756	1.883	-7.2	60	0.00
104 TP	p-Isopropyltoluene	1.532	1.550	-1.2	58	0.00
105 TP	1,3-Dichlorobenzene	0.858	0.936	-9.1	65	0.00
106 TP	1,4-Dichlorobenzene	0.866	0.952	-9.9	65	0.00
107 TP	p-Diethylbenzene	0.893	0.888	0.6	60	0.00
108 TP	n-Butylbenzene	1.274	1.491	-17.0	69	0.00
109 TP	1,2-Dichlorobenzene	0.813	0.865	-6.4	63	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.362	1.210	11.2	56	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.042	0.048	-14.3	65	0.00
112 TP	1,3,5-Trichlorobenzene	0.602	0.630	-4.7	65	0.00
113 TP	Hexachlorobutadiene	0.207	0.218	-5.3	64	0.00
114 TP	1,2,4-Trichlorobenzene	0.544	0.553	-1.7	62	0.00
115 TP	Naphthalene	1.142	1.075	5.9	54	0.00
116 TP	1,2,3-Trichlorobenzene	0.510	0.537	-5.3	62	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.094	96	297219	10.000	ug/L	0.00
63) Chlorobenzene-d5	9.644	117	233516	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.334	152	133889	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	87329	11.247	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.47%			
47) 1,2-Dichloroethane-d4	5.806	65	89265	12.028	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.28%			
64) Toluene-d8	7.798	98	319108	10.600	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.00%			
88) 4-Bromofluorobenzene	11.128	95	111602	9.507	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.675	85	67323	9.808	ug/L	96
3) Chloromethane	1.863	50	77448	10.447	ug/L	97
4) Vinyl chloride	1.942	62	77511	11.656	ug/L	99
5) Bromomethane	2.262	94	30682	7.701	ug/L	98
6) Chloroethane	2.377	64	47727	11.268	ug/L	99
7) Trichlorofluoromethane	2.524	101	77094	10.298	ug/L	98
8) Ethyl ether	2.823	74	21360	9.884	ug/L	91
10) 1,1-Dichloroethene	3.017	96	49513	10.803	ug/L	78
11) Carbon disulfide	3.048	76	169029	11.806	ug/L	99
12) Freon-113	3.053	101	43190	9.719	ug/L	93
14) Acrolein	3.331	56	6107	10.119	ug/L	96
15) Methylene chloride	3.572	84	71352	11.640	ug/L	82
17) Acetone	3.604	43	9967	13.411	ug/L	92
18) trans-1,2-Dichloroethene	3.730	96	54306	11.506	ug/L	84
19) Methyl acetate	3.735	43	21216	12.523	ug/L #	85
21) Methyl tert-butyl ether	3.829	73	74011	7.599	ug/L	94
22) tert-Butyl alcohol	3.913	59	10254	58.341	ug/L #	82
24) Diisopropyl ether	4.196	45	128703	10.745	ug/L	95
25) 1,1-Dichloroethane	4.317	63	115569	13.001	ug/L	98
26) Halothane	4.364	117	31099	8.971	ug/L	97
27) Acrylonitrile	4.354	53	13532	12.567	ug/L	96
28) Ethyl tert-butyl ether	4.548	59	99091	8.728	ug/L	89
29) Vinyl acetate	4.548	43	70093	9.488	ug/L #	93
30) cis-1,2-Dichloroethene	4.836	96	64003	11.570	ug/L #	81
31) 2,2-Dichloropropane	4.941	77	73165	10.746	ug/L	82

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Bromochloromethane	5.030	128	29386	11.168	ug/L	#	66
34) Cyclohexane	5.041	56	61435	8.600	ug/L		85
35) Chloroform	5.103	83	111150	12.845	ug/L		93
36) Ethyl acetate	5.208	43	24874	10.367	ug/L	#	95
37) Carbon tetrachloride	5.245	117	53399	9.239	ug/L		87
38) Tetrahydrofuran	5.250	42	8771M6	11.089	ug/L		
40) 1,1,1-Trichloroethane	5.308	97	68974	9.491	ug/L		93
42) 2-Butanone	5.397	43	12025	10.747	ug/L		97
43) 1,1-Dichloropropene	5.434	75	55278	9.375	ug/L		97
45) Benzene	5.680	78	206232	11.035	ug/L		96
46) tert-Amyl methyl ether	5.790	73	84452	8.046	ug/L		91
48) 1,2-Dichloroethane	5.874	62	61635	11.458	ug/L	#	97
51) Methyl cyclohexane	6.278	83	64202	8.687	ug/L		89
52) Trichloroethene	6.278	95	48664	9.763	ug/L		96
54) Dibromomethane	6.713	93	29630	11.541	ug/L		94
55) 1,2-Dichloropropane	6.818	63	48208	11.048	ug/L		98
58) Bromodichloromethane	6.891	83	62551	10.455	ug/L	#	99
61) 1,4-Dioxane	7.096	88	15957	570.629	ug/L	#	95
62) cis-1,3-Dichloropropene	7.583	75	65865	9.749	ug/L	#	81
65) Toluene	7.856	92	140616	11.618	ug/L		100
66) 4-Methyl-2-pentanone	8.286	58	9796	9.821	ug/L	#	82
67) Tetrachloroethene	8.307	166	51430	10.715	ug/L		94
69) trans-1,3-Dichloropropene	8.333	75	57620	10.816	ug/L	#	79
71) Ethyl methacrylate	8.527	69	40279	8.751	ug/L	#	77
72) 1,1,2-Trichloroethane	8.522	83	32348	11.948	ug/L		98
73) Chlorodibromomethane	8.732	129	39868	10.717	ug/L		99
74) 1,3-Dichloropropane	8.842	76	64900	11.716	ug/L		99
75) 1,2-Dibromoethane	9.010	107	32472	11.982	ug/L		97
77) 2-Hexanone	9.298	43	15822	9.748	ug/L		96
78) Chlorobenzene	9.665	112	147478	10.977	ug/L		91
79) Ethylbenzene	9.707	91	248779	10.942	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.749	131	42934	11.151	ug/L		99
81) p/m Xylene	9.896	106	198874	21.931	ug/L		95
82) o Xylene	10.430	106	189900	21.734	ug/L		96
83) Styrene	10.493	104	328204	22.783	ug/L		95
85) Bromoform	10.514	173	23935	10.416	ug/L		99
87) Isopropylbenzene	10.813	105	221305	9.896	ug/L		98
89) Bromobenzene	11.238	156	58780	10.049	ug/L		98
90) n-Propylbenzene	11.285	91	299132	11.120	ug/L		98
91) 1,4-Dichlorobutane	11.296	55	67164	11.792	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.364	83	48124	12.017	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93)	4-Ethyltoluene	11.411	105	236061	10.444	ug/L	99
94)	2-Chlorotoluene	11.448	91	189399M1	11.339	ug/L	
95)	1,3,5-Trimethylbenzene	11.505	105	211726	10.567	ug/L	98
96)	1,2,3-Trichloropropane	11.505	75	38314	11.869	ug/L	90
97)	trans-1,4-Dichloro-2-b...	11.553	53	11638	12.275	ug/L	94
98)	4-Chlorotoluene	11.631	91	192172	10.966	ug/L	95
99)	tert-Butylbenzene	11.846	119	164351	10.040	ug/L	95
102)	1,2,4-Trimethylbenzene	11.925	105	202114	10.443	ug/L	98
103)	sec-Butylbenzene	12.035	105	252109	10.725	ug/L	96
104)	p-Isopropyltoluene	12.192	119	207577	10.120	ug/L	97
105)	1,3-Dichlorobenzene	12.255	146	125336	10.905	ug/L	98
106)	1,4-Dichlorobenzene	12.349	146	127396	10.988	ug/L	98
107)	p-Diethylbenzene	12.564	119	118932	9.951	ug/L	97
108)	n-Butylbenzene	12.617	91	199691	11.710	ug/L	97
109)	1,2-Dichlorobenzene	12.769	146	115832	10.646	ug/L	97
110)	1,2,4,5-Tetramethylben...	13.351	119	161960	8.883	ug/L	96
111)	1,2-Dibromo-3-chloropr...	13.540	155	6479	11.494	ug/L	97
112)	1,3,5-Trichlorobenzene	13.576	180	84383	10.467	ug/L	96
113)	Hexachlorobutadiene	14.158	225	29179	10.544	ug/L	98
114)	1,2,4-Trichlorobenzene	14.174	180	74082	10.166	ug/L	99
115)	Naphthalene	14.468	128	143988	9.419	ug/L	100
116)	1,2,3-Trichlorobenzene	14.635	180	71956	10.529	ug/L	99

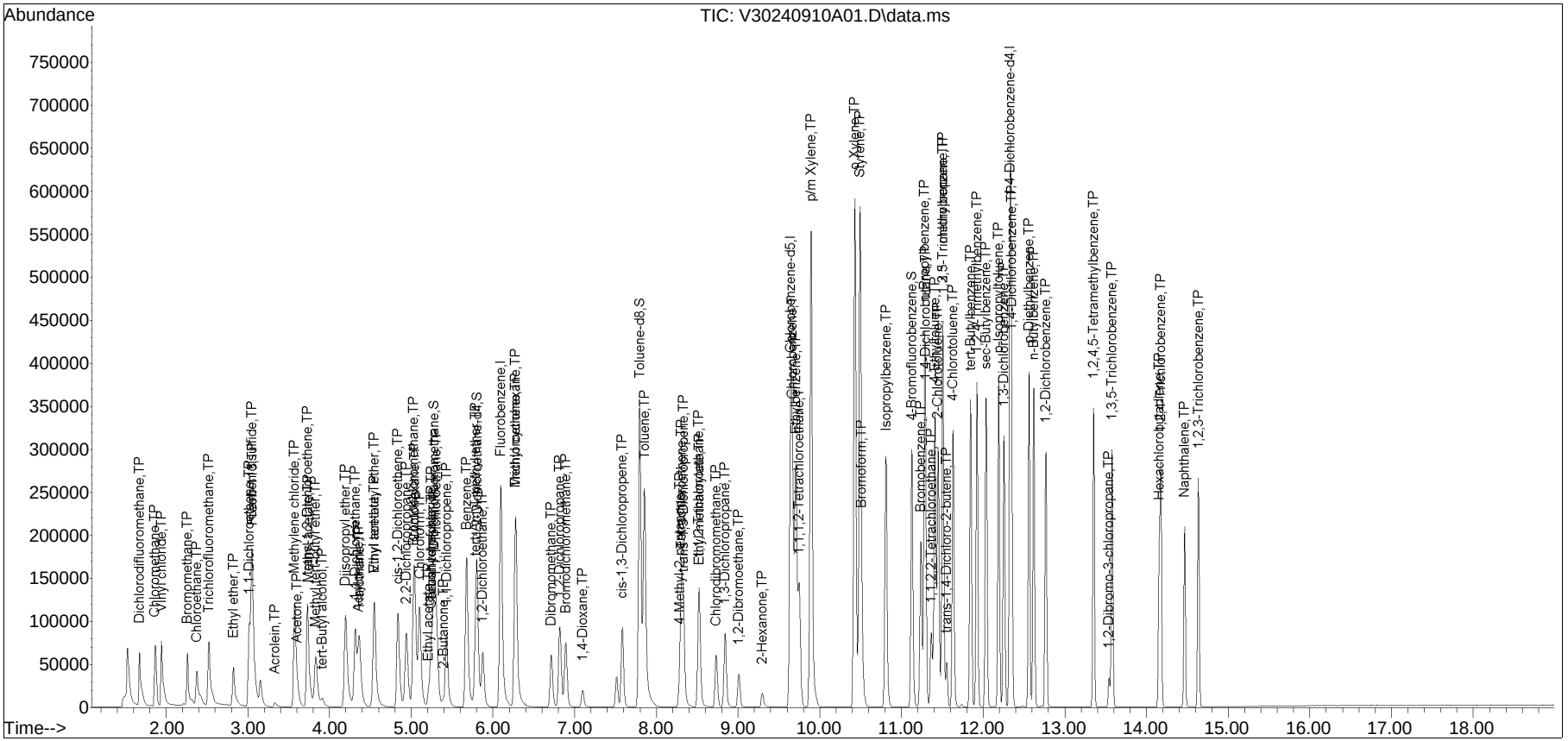
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-2
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

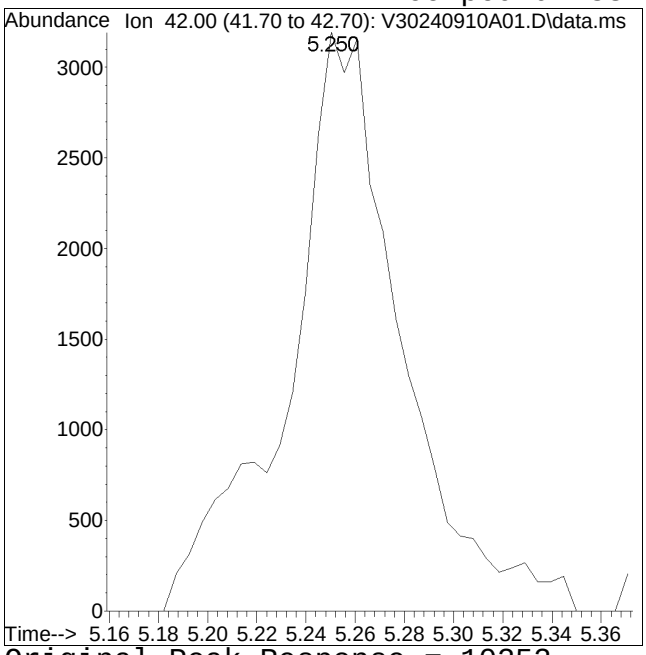
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



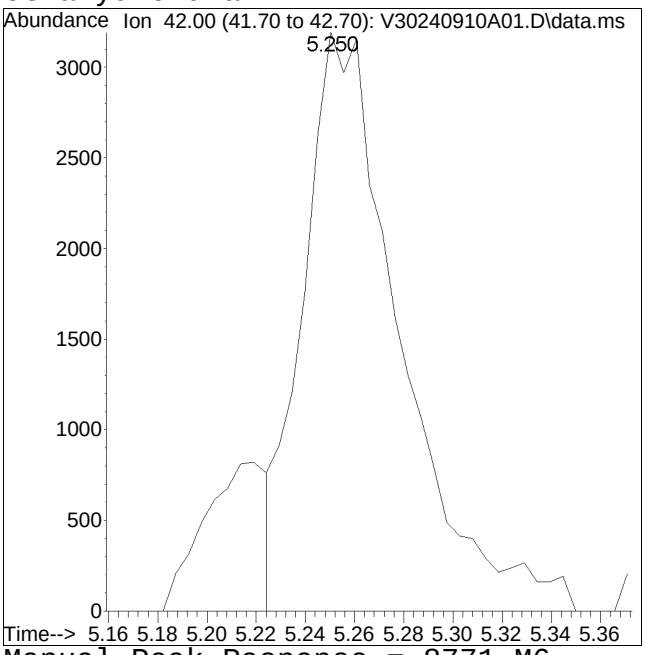
Manual Integration Report

Data Path	: K:\VOA130\2024\240910A\	QMethod	: V130_240816N_8260D.m
Data File	: V30240910A01.D	Operator	: VOA130:PID
Date Inj'd	: 9/10/2024 6:37 am	Instrument	: VOA130
Sample	: WG1969667-2	Quant Date	: 9/10/2024 7:36 am

Compound #38: Tetrahydrofuran



Original Peak Response = 10252



Manual Peak Response = 8771 M6

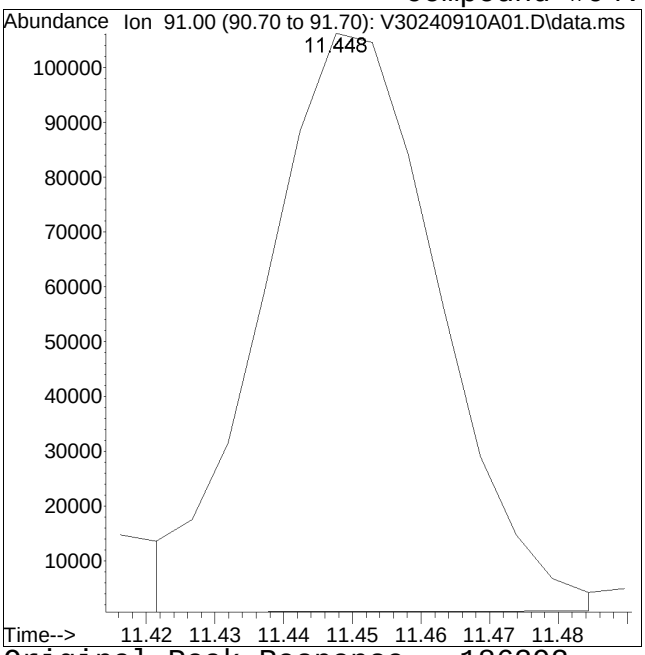
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

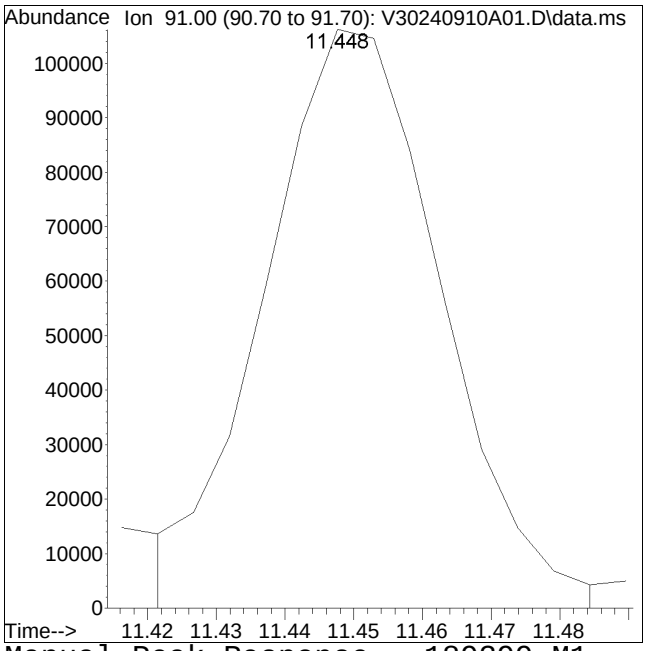
Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Date Inj'd : 9/10/2024 6:37 am
Sample : WG1969667-2

QMethod : V130_240816N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 9/10/2024 7:36 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 186392



Manual Peak Response = 189399 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	148	-0.01
2	TP	Dichlorodifluoromethane	0.224	0.228	-1.8	153	0.00
3	TP	Chloromethane	0.250	0.224	10.4	126	-0.01
4	TP	Vinyl chloride	0.233	0.259	-11.2	157	0.00
5	TP	Bromomethane	* 10.000	9.999	0.0	175	0.00
6	TP	Chloroethane	0.140	0.152	-8.6	146	0.00
7	TP	Trichlorofluoromethane	0.267	0.285	-6.7	165	0.00
8	TP	Ethyl ether	0.105	0.099	5.7	138	0.00
10	TP	1,1-Dichloroethene	0.160	0.181	-13.1	173	0.00
11	TP	Carbon disulfide	0.494	0.553	-11.9	162	0.00
15	TP	Methylene chloride	0.202	0.204	-1.0	148	0.00
17	TP	Acetone	0.073	0.041	43.8#	87	-0.01
18	TP	trans-1,2-Dichloroethene	0.172	0.199	-15.7	166	0.00
21	TP	Methyl tert-butyl ether	0.642	0.537	16.4	117	0.00
25	TP	1,1-Dichloroethane	0.404	0.410	-1.5	143	0.00
27	TP	Acrylonitrile	0.084	0.062	26.2#	104	0.00
29	TP	Vinyl acetate	0.612	0.485	20.8#	129	-0.01
30	TP	cis-1,2-Dichloroethene	0.206	0.222	-7.8	155	-0.01
31	TP	2,2-Dichloropropane	0.270	0.276	-2.2	151	-0.01
33	TP	Bromochloromethane	0.091	0.101	-11.0	156	-0.01
35	TP	Chloroform	0.335	0.335	0.0	143	0.00
37	TP	Carbon tetrachloride	0.256	0.287	-12.1	163	0.00
39	S	Dibromofluoromethane	0.234	0.234	0.0	145	0.00
40	TP	1,1,1-Trichloroethane	0.304	0.319	-4.9	152	0.00
42	TP	2-Butanone	0.105	0.061	41.9#	86	-0.02
43	TP	1,1-Dichloropropene	0.256	0.274	-7.0	156	-0.01
45	TP	Benzene	0.792	0.848	-7.1	149	-0.01
47	S	1,2-Dichloroethane-d4	0.312	0.264	15.4	124	0.00
48	T	1,2-Dichloroethane	0.306	0.268	12.4	124	-0.01
52	TP	Trichloroethene	0.199	0.218	-9.5	153	-0.01
54	TP	Dibromomethane	0.115	0.108	6.1	133	0.00
55	TP	1,2-Dichloropropane	0.239	0.232	2.9	138	-0.01
58	TP	Bromodichloromethane	0.283	0.275#	2.8	138	-0.01
61	TP	1,4-Dioxane	0.00192	0.00130#	32.3#	99	-0.02
62	TP	cis-1,3-Dichloropropene	0.319	0.314	1.6	136	-0.01
63	I	Chlorobenzene-d5	1.000	1.000	0.0	153	0.00
64	S	Toluene-d8	1.317	1.290	2.1	149	-0.01
65	TP	Toluene	0.689	0.737	-7.0	158	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
66	TP	4-Methyl-2-pentanone	0.117	0.077	34.2#	95	-0.02
67	TP	Tetrachloroethene	0.293	0.364	-24.2#	185	-0.01
69	TP	trans-1,3-Dichloropropene	0.388	0.334	13.9	123	0.00
71	TP	Ethyl methacrylate	0.369	0.282	23.6#	112	0.00
72	TP	1,1,2-Trichloroethane	0.193	0.178#	7.8	133	0.00
73	TP	Chlorodibromomethane	0.270	0.255	5.6	139	0.00
74	TP	1,3-Dichloropropane	0.408	0.367	10.0	131	0.00
75	TP	1,2-Dibromoethane	0.228	0.205	10.1	132	-0.01
77	TP	2-Hexanone	0.229	0.122	46.7#	80	0.00
78	TP	Chlorobenzene	0.734	0.799	-8.9	159	-0.01
79	TP	Ethylbenzene	1.335	1.424	-6.7	155	-0.01
80	TP	1,1,1,2-Tetrachloroethane	0.269	0.282	-4.8	151	0.00
81	TP	p/m Xylene	0.509	0.568	-11.6	159	-0.01
82	TP	o Xylene	0.497	0.546	-9.9	157	0.00
83	TP	Styrene	0.816	0.878	-7.6	152	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	152	0.00
85	TP	Bromoform	0.325	0.301	7.4	139	-0.01
87	TP	Isopropylbenzene	2.395	2.557	-6.8	159	-0.01
88	S	4-Bromofluorobenzene	0.924	0.838	9.3	138	0.00
89	TP	Bromobenzene	0.605	0.658	-8.8	160	0.00
90	TP	n-Propylbenzene	2.861	2.995	-4.7	155	0.00
91	TP	1,4-Dichlorobutane	1.046	0.799	23.6#	114	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.508	0.423	16.7	131	0.00
93	TP	4-Ethyltoluene	2.321	2.465	-6.2	155	0.00
94	TP	2-Chlorotoluene	1.683	1.763	-4.8	152	0.00
95	TP	1,3,5-Trimethylbenzene	2.036	2.153	-5.7	153	0.00
96	TP	1,2,3-Trichloropropane	0.415	0.342	17.6	121	0.00
97	TP	trans-1,4-Dichloro-2-butene	0.204	0.139	31.9#	104	0.00
98	TP	4-Chlorotoluene	1.763	1.794	-1.8	149	0.00
99	TP	tert-Butylbenzene	1.712	1.833	-7.1	158	0.00
102	TP	1,2,4-Trimethylbenzene	2.033	2.124	-4.5	152	0.00
103	TP	sec-Butylbenzene	2.538	2.692	-6.1	159	0.00
104	TP	p-Isopropyltoluene	2.139	2.296	-7.3	159	0.00
105	TP	1,3-Dichlorobenzene	1.117	1.236	-10.7	161	0.00
106	TP	1,4-Dichlorobenzene	1.116	1.226	-9.9	161	0.00
107	TP	p-Diethylbenzene	1.261	1.311	-4.0	153	0.00
108	TP	n-Butylbenzene	1.842	1.872	-1.6	153	-0.01
109	TP	1,2-Dichlorobenzene	1.074	1.120	-4.3	153	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
110 TP	1,2,4,5-Tetramethylbenzene	2.046	1.993	2.6	143	0.00
111 TP	1,2-Dibromo-3-chloropropane *	10.000	7.273	27.3#	114	0.00
113 TP	Hexachlorobutadiene	0.283	0.320	-13.1	171	0.00
114 TP	1,2,4-Trichlorobenzene	0.770	0.776	-0.8	150	0.00
115 TP	Naphthalene	1.697	1.335	21.3#	120	0.00
116 TP	1,2,3-Trichlorobenzene	0.707	0.643	9.1	136	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.953	96	302045	10.000	ug/L	-0.01
63) Chlorobenzene-d5	9.492	117	226148	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.202	152	128633	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.147	113	70685	9.997	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%			
47) 1,2-Dichloroethane-d4	5.674	65	79872	8.466	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.66%			
64) Toluene-d8	7.643	98	291727	9.793	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.93%			
88) 4-Bromofluorobenzene	10.989	95	107764	9.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	68929	10.179	ug/L #	93
3) Chloromethane	1.778	50	67534	8.957	ug/L	95
4) Vinyl chloride	1.854	62	78187	11.127	ug/L	94
5) Bromomethane	2.160	94	20895	9.999	ug/L	97
6) Chloroethane	2.278	64	45822	10.801	ug/L	94
7) Trichlorofluoromethane	2.417	101	85965	10.646	ug/L	95
8) Ethyl ether	2.713	74	29880	9.398	ug/L	86
10) 1,1-Dichloroethene	2.897	96	54665	11.301	ug/L	93
11) Carbon disulfide	2.930	76	166907	11.183	ug/L	97
15) Methylene chloride	3.452	84	61716	10.114	ug/L	95
17) Acetone	3.491	43	12508	5.644	ug/L	97
18) trans-1,2-Dichloroethene	3.605	96	60219	11.581	ug/L	92
21) Methyl tert-butyl ether	3.703	73	162320	8.372	ug/L	92
25) 1,1-Dichloroethane	4.185	63	123916	10.154	ug/L	97
27) Acrylonitrile	4.227	53	18609M1	7.308	ug/L	
29) Vinyl acetate	4.419	43	146603	7.931	ug/L	99
30) cis-1,2-Dichloroethene	4.701	96	67161	10.776	ug/L	95
31) 2,2-Dichloropropane	4.801	77	83459	10.219	ug/L	96
33) Bromochloromethane	4.896	128	30635	11.205	ug/L	93
35) Chloroform	4.971	83	101073	9.991	ug/L	95
37) Carbon tetrachloride	5.105	117	86740	11.226	ug/L	94
40) 1,1,1-Trichloroethane	5.172	97	96483	10.502	ug/L	92
42) 2-Butanone	5.253	43	18347	5.794	ug/L	95
43) 1,1-Dichloropropene	5.289	75	82880	10.715	ug/L	92
45) Benzene	5.532	78	255985	10.699	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,2-Dichloroethane	5.738	62	80906	8.762	ug/L		98
52) Trichloroethene	6.132	95	65940	10.962	ug/L		95
54) Dibromomethane	6.572	93	32578	9.402	ug/L	#	77
55) 1,2-Dichloropropane	6.672	63	70205	9.720	ug/L		96
58) Bromodichloromethane	6.745	83	83063	9.705	ug/L		93
61) 1,4-Dioxane	6.954	88	19677	339.459	ug/L	#	52
62) cis-1,3-Dichloropropene	7.437	75	94983	9.856	ug/L		93
65) Toluene	7.702	92	166624	10.700	ug/L		96
66) 4-Methyl-2-pentanone	8.131	58	17468	6.577	ug/L		79
67) Tetrachloroethene	8.150	166	82398	12.456	ug/L		91
69) trans-1,3-Dichloropropene	8.187	75	75508	8.613	ug/L		91
71) Ethyl methacrylate	8.374	69	63828	7.647	ug/L		100
72) 1,1,2-Trichloroethane	8.376	83	40143	9.182	ug/L		97
73) Chlorodibromomethane	8.588	129	57600	9.422	ug/L		95
74) 1,3-Dichloropropane	8.697	76	83058	8.998	ug/L		98
75) 1,2-Dibromoethane	8.859	107	46363	8.973	ug/L		87
77) 2-Hexanone	9.146	43	27621	5.337	ug/L	#	95
78) Chlorobenzene	9.509	112	180657	10.888	ug/L	#	86
79) Ethylbenzene	9.545	91	322100	10.673	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.595	131	63839	10.495	ug/L		96
81) p/m Xylene	9.734	106	256888	22.329	ug/L		96
82) o Xylene	10.278	106	246734	21.932	ug/L		90
83) Styrene	10.345	104	397109	21.529	ug/L		93
85) Bromoform	10.367	173	38729	9.253	ug/L		92
87) Isopropylbenzene	10.660	105	328855	10.676	ug/L		95
89) Bromobenzene	11.098	156	84622	10.882	ug/L		97
90) n-Propylbenzene	11.145	91	385246	10.467	ug/L		93
91) 1,4-Dichlorobutane	11.162	55	102767	7.639	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.235	83	54403	8.324	ug/L		97
93) 4-Ethyltoluene	11.271	105	317027	10.618	ug/L		97
94) 2-Chlorotoluene	11.313	91	226748M4	10.472	ug/L		
95) 1,3,5-Trimethylbenzene	11.369	105	276890	10.572	ug/L		100
96) 1,2,3-Trichloropropane	11.374	75	44042	8.260	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.427	53	17905	6.834	ug/L	#	81
98) 4-Chlorotoluene	11.497	91	230767	10.174	ug/L		96
99) tert-Butylbenzene	11.712	119	235812	10.710	ug/L	#	92
102) 1,2,4-Trimethylbenzene	11.790	105	273157	10.448	ug/L		93
103) sec-Butylbenzene	11.904	105	346287	10.606	ug/L		96
104) p-Isopropyltoluene	12.057	119	295356	10.735	ug/L		94
105) 1,3-Dichlorobenzene	12.124	146	158966	11.069	ug/L		94
106) 1,4-Dichlorobenzene	12.216	146	157653	10.982	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	p-Diethylbenzene	12.431	119	168613	10.394	ug/L	96
108)	n-Butylbenzene	12.487	91	240769	10.162	ug/L	95
109)	1,2-Dichlorobenzene	12.637	146	144015	10.422	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.229	119	256335	9.737	ug/L	94
111)	1,2-Dibromo-3-chloropr...	13.421	155	8846	7.273	ug/L	95
113)	Hexachlorobutadiene	14.026	225	41214	11.335	ug/L	92
114)	1,2,4-Trichlorobenzene	14.051	180	99798	10.076	ug/L	98
115)	Naphthalene	14.341	128	171715	7.865	ug/L	100
116)	1,2,3-Trichlorobenzene	14.509	180	82752	9.094	ug/L	93

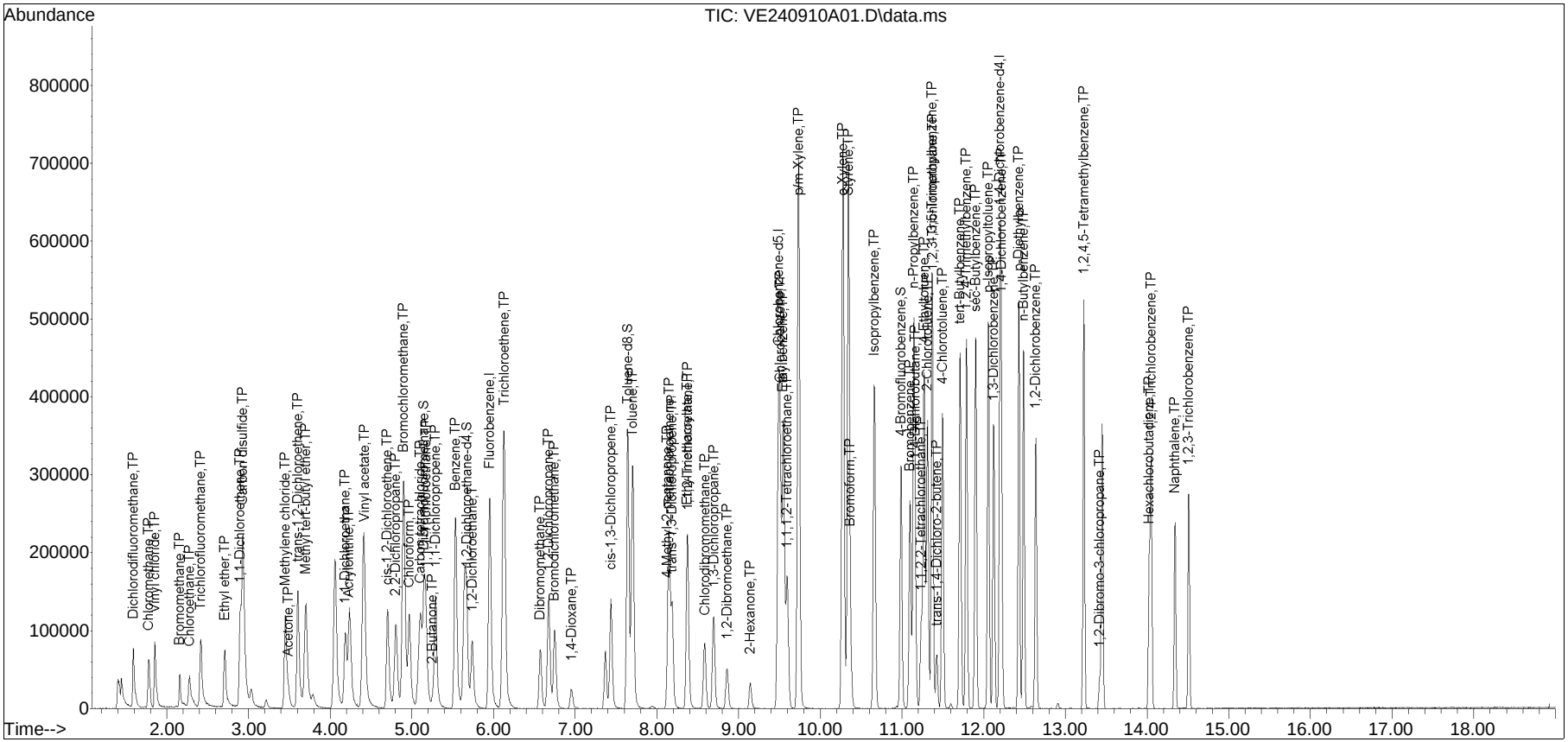
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-2
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

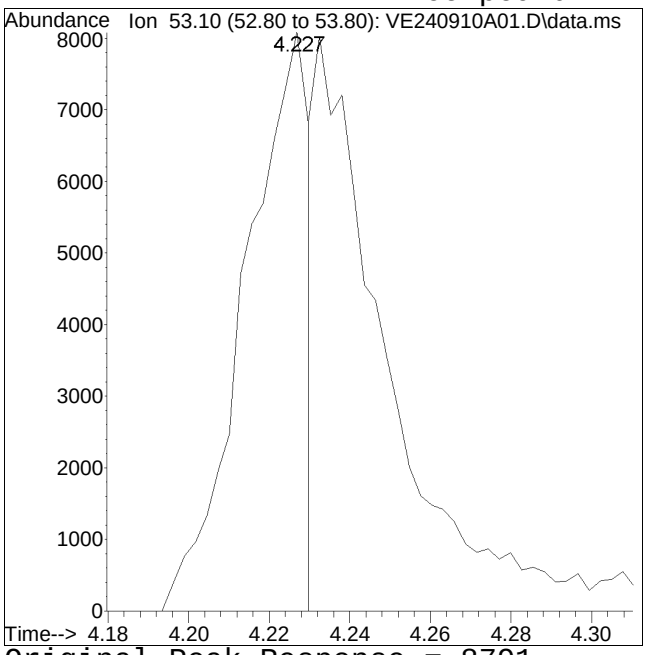
Sub List : 8260-NYTCL - Megamix plus Diox



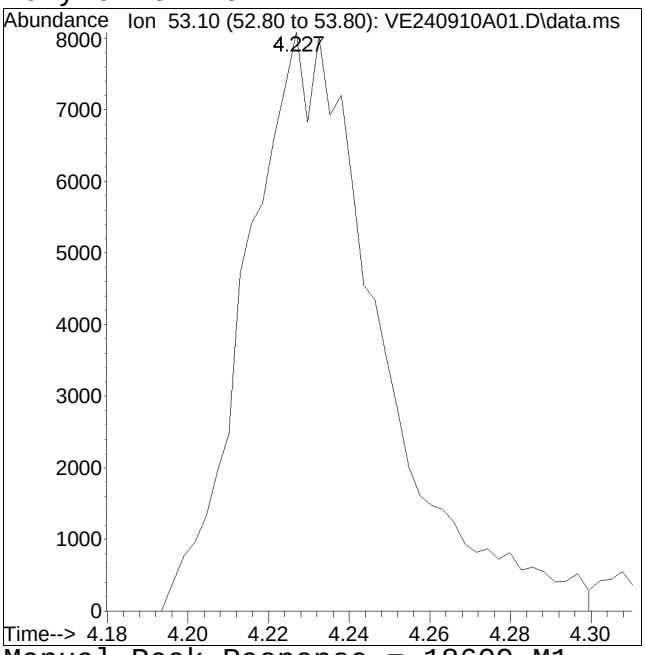
Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A01.D	Operator	: ELAINE:PID
Date Inj'd	: 9/10/2024 8:34 am	Instrument	: Elaine
Sample	: WG1970185-2	Quant Date	: 9/10/2024 9:10 am

Compound #27: Acrylonitrile



Original Peak Response = 8791



Manual Peak Response = 18609 M1

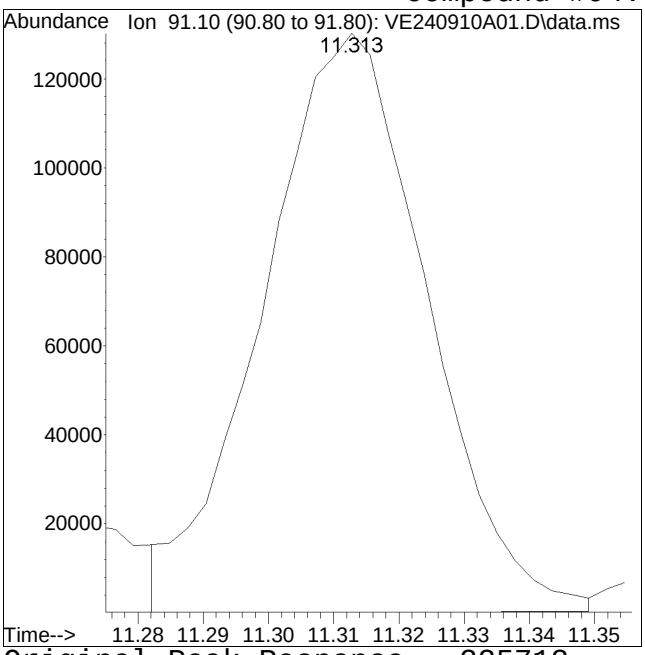
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

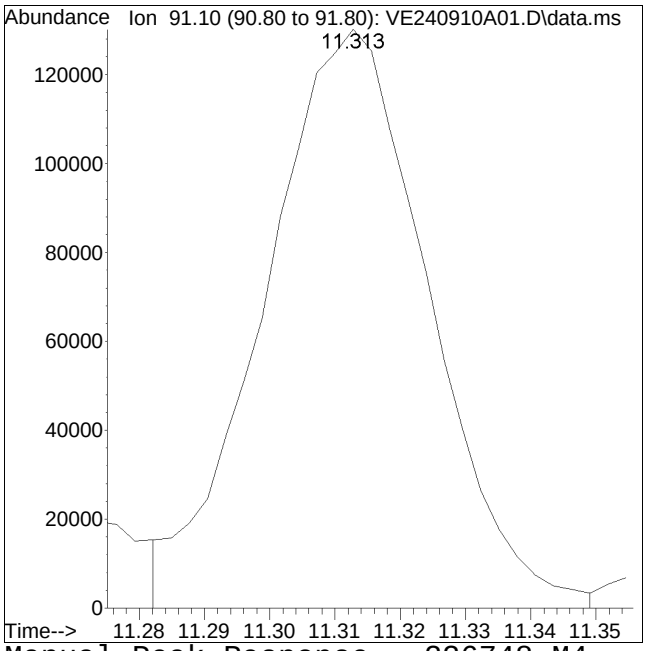
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Date Inj'd : 9/10/2024 8:34 am
Sample : WG1970185-2

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 9/10/2024 9:10 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 225712



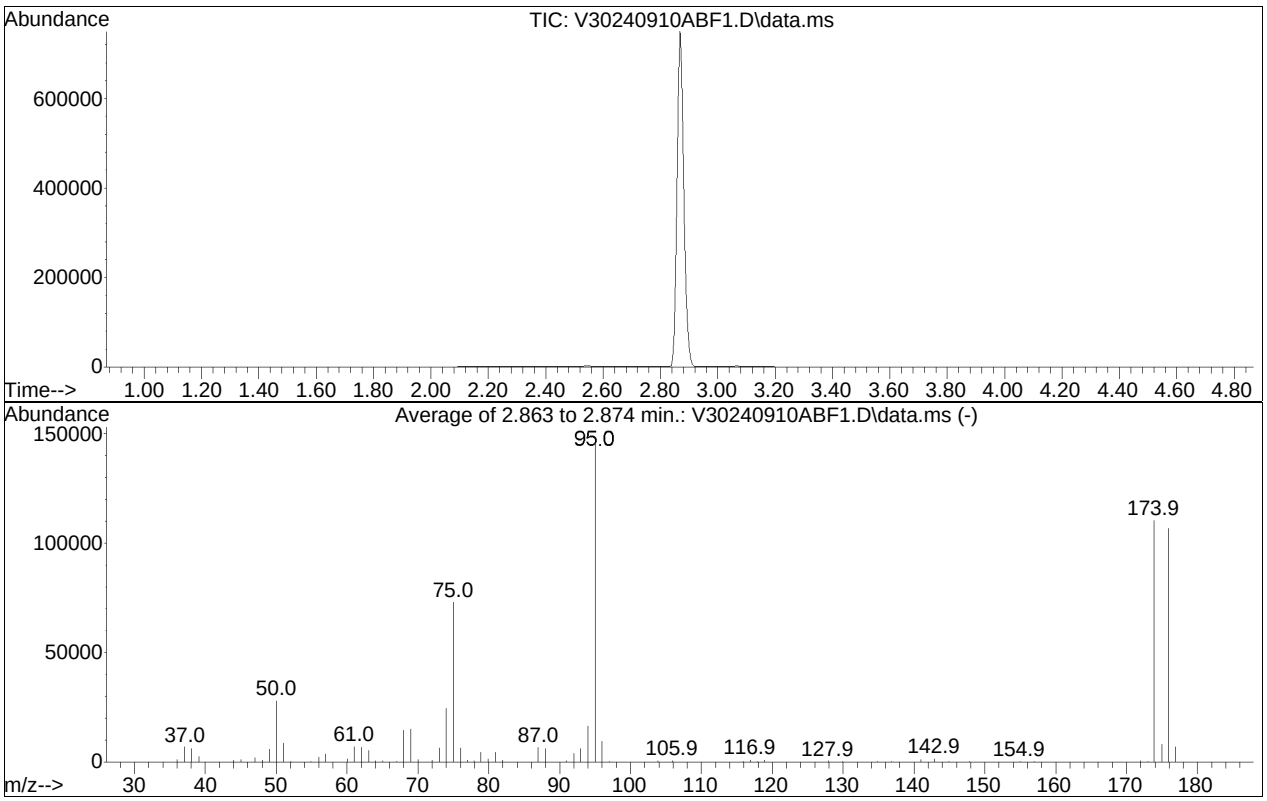
Manual Peak Response = 226748 M4

M4 = Poor automated baseline construction.

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910ABF1.D
Acq On : 10 Sep 2024 06:25 am
Operator : VOA130:PID
Sample : WG1969667-1
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Wed Aug 21 06:44:30 2024



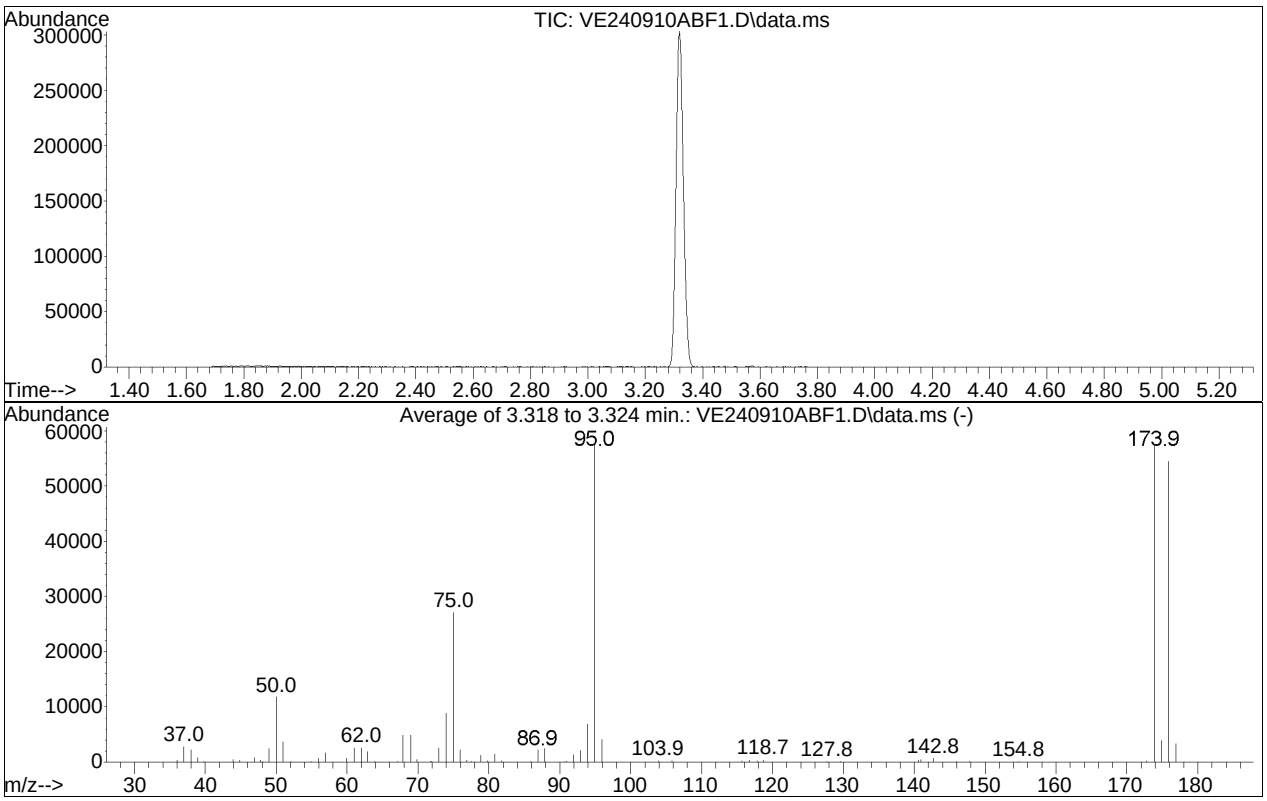
Spectrum Information: Average of 2.863 to 2.874 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	28011	PASS
75	95	30	60	50.1	73035	PASS
95	95	100	100	100.0	145792	PASS
96	95	5	9	6.7	9733	PASS
173	174	0.00	2	0.3	386	PASS
174	95	50	100	75.7	110315	PASS
175	174	5	9	7.5	8272	PASS
176	174	95	101	96.7	106651	PASS
177	176	5	9	6.6	7070	PASS

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910ABF1.D
Acq On : 10 Sep 2024 8:20 am
Operator : ELAINE:PID
Sample : WG1970185-1
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Title : VOLATILES BY GC/MS
Last Update : Thu Aug 01 12:13:24 2024



Spectrum Information: Average of 3.318 to 3.324 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	11785	PASS
75	95	30	60	46.8	27075	PASS
95	95	100	100	100.0	57859	PASS
96	95	5	9	7.0	4073	PASS
173	174	0.00	2	0.5	309	PASS
174	95	50	100	98.9	57251	PASS
175	174	5	9	6.7	3859	PASS
176	174	95	101	95.1	54464	PASS
177	176	5	9	6.2	3363	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A05.D
Acq On : 10 Sep 2024 08:05 am
Operator : VOA130:PID
Sample : WG1969667-5,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 08:39:14 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.099	96	293661	10.000	ug/L	0.00
Standard Area 1 = 297219			Recovery = 98.80%			
63) Chlorobenzene-d5	9.644	117	218755	10.000	ug/L	0.00
Standard Area 1 = 233516			Recovery = 93.68%			
84) 1,4-Dichlorobenzene-d4	12.334	152	119036	10.000	ug/L	0.00
Standard Area 1 = 133889			Recovery = 88.91%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.282	113	80875	10.542	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.42%			
47) 1,2-Dichloroethane-d4	5.806	65	76976	10.498	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.98%			
64) Toluene-d8	7.798	98	286951	10.175	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.75%			
88) 4-Bromofluorobenzene	11.128	95	103722	9.938	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.868	50	185	N.D.		
4) Vinyl chloride	1.942	62	65	N.D.		
5) Bromomethane	2.262	94	301	0.076	ug/L #	75
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.048	76	1883	0.133	ug/L #	73
15) Methylene chloride	3.583	84	175	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.836	96	52	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A05.D
Acq On : 10 Sep 2024 08:05 am
Operator : VOA130:PID
Sample : WG1969667-5,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 08:39:14 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	6.278	95	49		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.675	112	113		N.D.	
79) Ethylbenzene	9.654	91	311		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.295	91	58		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	11.295	91	58		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A05.D
Acq On : 10 Sep 2024 08:05 am
Operator : VOA130:PID
Sample : WG1969667-5,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 08:39:14 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.265	146	138		N.D.	
106) 1,4-Dichlorobenzene	12.349	146	444		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.627	91	49		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.179	180	118		N.D.	
115) Naphthalene	14.478	128	166		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

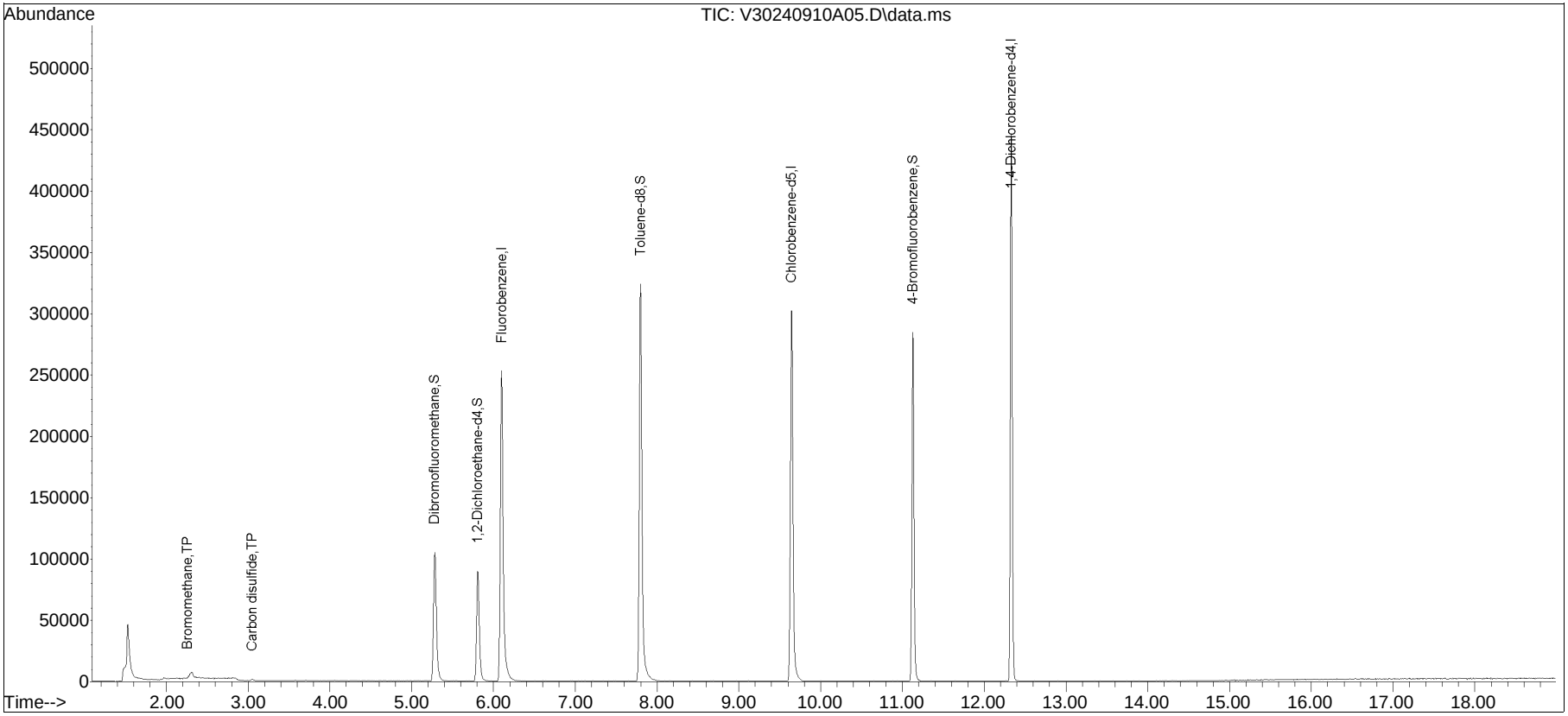
(#) = qualifier out of range (m) = manual integration (+) = signals summed

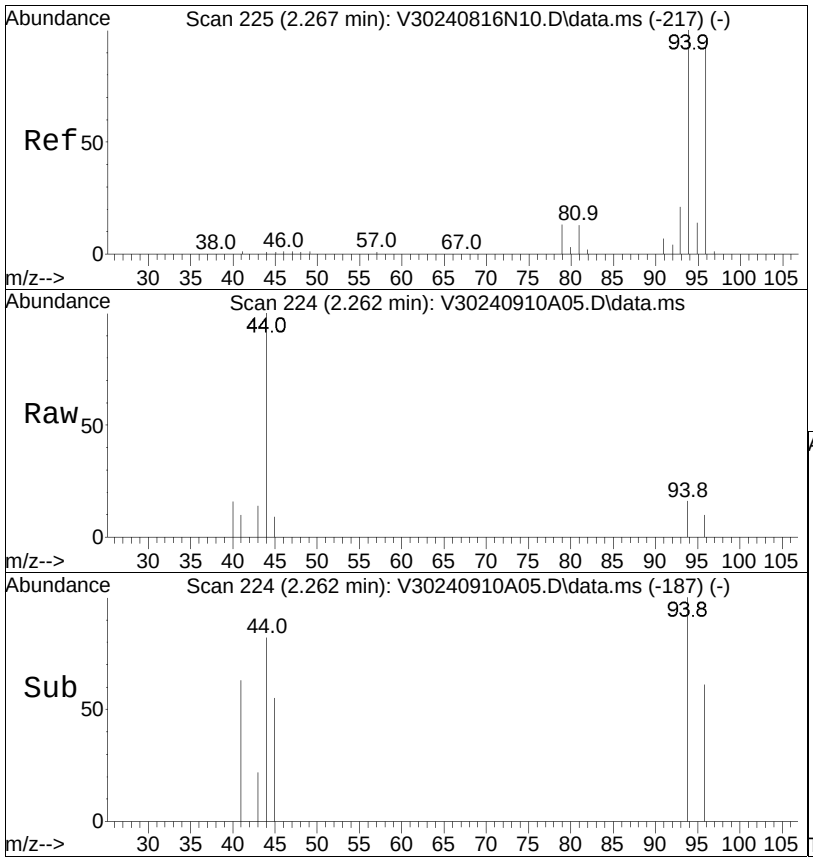
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A05.D
Acq On : 10 Sep 2024 08:05 am
Operator : VOA130:PID
Sample : WG1969667-5,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 08:39:14 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

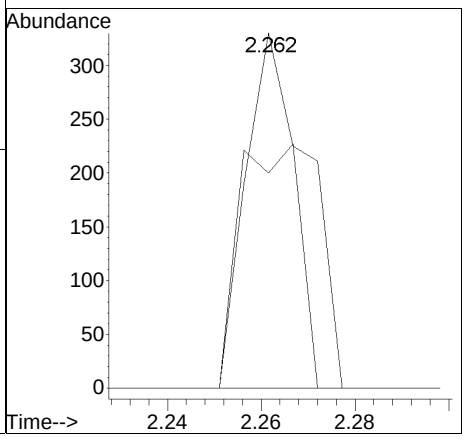


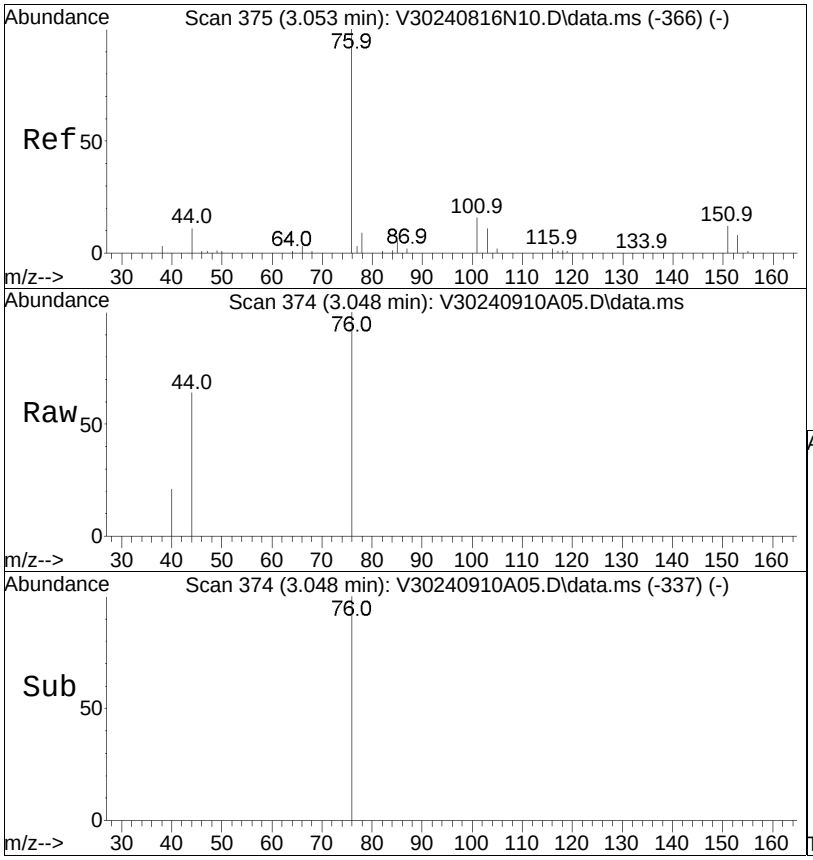


#5
Bromomethane
Concen: 0.08 ug/L
RT: 2.262 min Scan# 224
Delta R.T. -0.005 min
Lab File: V30240910A05.D
Acq: 10 Sep 2024 08:05 am

Tgt Ion: 94 Resp: 301

Ion	Ratio	Lower	Upper
94	100		
96	67.8	73.7	110.5#

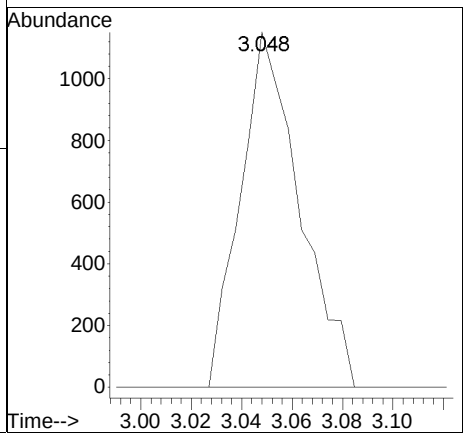




#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 3.048 min Scan# 374
Delta R.T. -0.005 min
Lab File: V30240910A05.D
Acq: 10 Sep 2024 08:05 am

Tgt Ion: 76 Resp: 1883

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#



Manual Integration Report

Data Path	: K:\VOA130\2024\240910A\	QMethod	: V130_240816N_8260D.m
Data File	: V30240910A05.D	Operator	: VOA130:PID
Date Inj'd	: 9/10/2024 8:05 am	Instrument	: VOA130
Sample	: WG1969667-5,31,10,10	Quant Date	: 9/10/2024 8:38 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A05.D
Acq On : 10 Sep 2024 10:12 am
Operator : ELAINE:PID
Sample : WG1970185-5,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:05:31 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.959	96	281287	10.000	ug/L	0.00
Standard Area 1 = 302045			Recovery = 93.13%			
63) Chlorobenzene-d5	9.489	117	218285	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 96.52%			
84) 1,4-Dichlorobenzene-d4	12.200	152	126524	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 98.36%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.150	113	69046	10.485	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.85%			
47) 1,2-Dichloroethane-d4	5.671	65	78571	8.942	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.42%			
64) Toluene-d8	7.649	98	274578	9.550	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.50%			
88) 4-Bromofluorobenzene	10.987	95	101848	8.714	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.14%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.436	85	28	N.D.		
3) Chloromethane	1.790	50	32	N.D.		
4) Vinyl chloride	1.996	62	28	N.D.		
5) Bromomethane	2.166	94	311	0.482	ug/L #	47
6) Chloroethane	2.250	64	87	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.808	96	41	N.D.		
11) Carbon disulfide	2.925	76	266	N.D.		
15) Methylene chloride	3.452	84	28	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.428	43	36	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A05.D
Acq On : 10 Sep 2024 10:12 am
Operator : ELAINE:PID
Sample : WG1970185-5,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:05:31 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.234	43	26		N.D.	
43) 1,1-Dichloropropene	5.379	75	29		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	5.722	62	72		N.D.	
52) Trichloroethene	6.053	95	164		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.649	92	91		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	8.758	129	38		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	9.107	43	28		N.D.	
78) Chlorobenzene	9.503	112	46		N.D.	
79) Ethylbenzene	9.556	91	32		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	9.765	106	28		N.D.	
82) o Xylene	10.273	106	62		N.D.	
83) Styrene	10.345	104	71		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.660	105	94		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.143	91	210		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.277	105	273		N.D.	
94) 2-Chlorotoluene	11.310	91	40		N.D.	
95) 1,3,5-Trimethylbenzene	11.369	105	112		N.D.	
96) 1,2,3-Trichloropropane	11.489	75	27		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.500	91	440		N.D.	
99) tert-Butylbenzene	11.706	119	25		N.D.	

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A05.D
Acq On : 10 Sep 2024 10:12 am
Operator : ELAINE:PID
Sample : WG1970185-5,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:05:31 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
102) 1,2,4-Trimethylbenzene	11.790	105	238	N.D.			
103) sec-Butylbenzene	11.898	105	142	N.D.			
104) p-Isopropyltoluene	12.066	119	514	N.D.			
105) 1,3-Dichlorobenzene	12.116	146	148	N.D.			
106) 1,4-Dichlorobenzene	12.225	146	137	N.D.			
107) p-Diethylbenzene	12.431	119	326	N.D.			
108) n-Butylbenzene	12.492	91	894	N.D.			
109) 1,2-Dichlorobenzene	12.635	146	167	N.D.			
110) 1,2,4,5-Tetramethylben...	13.223	119	329	N.D.			
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
113) Hexachlorobutadiene	14.040	225	499	0.140	ug/L	#	75
114) 1,2,4-Trichlorobenzene	14.051	180	920	0.094	ug/L	#	23
115) Naphthalene	0.000		0	N.D.	d		
116) 1,2,3-Trichlorobenzene	14.511	180	796	0.089	ug/L	#	80

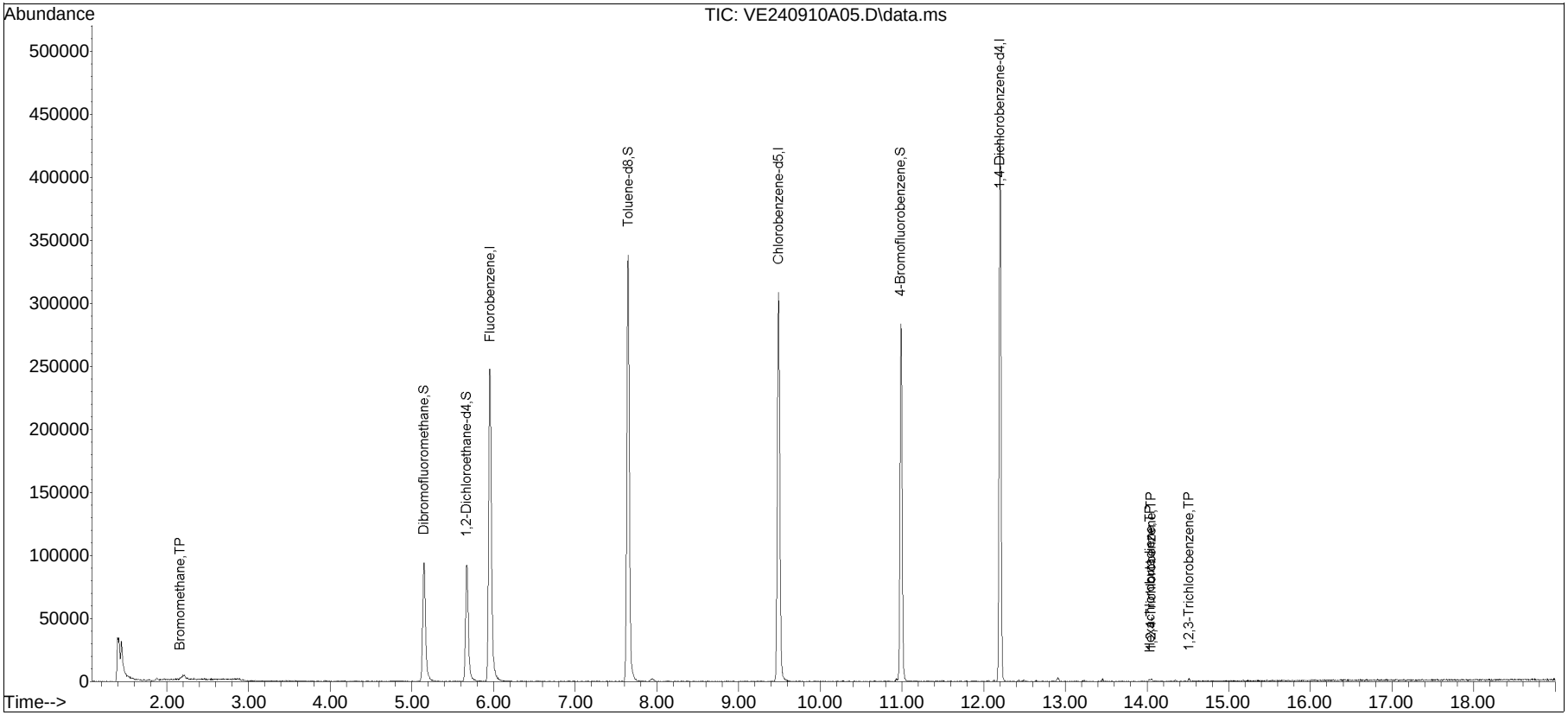
(#) = qualifier out of range (m) = manual integration (+) = signals summed

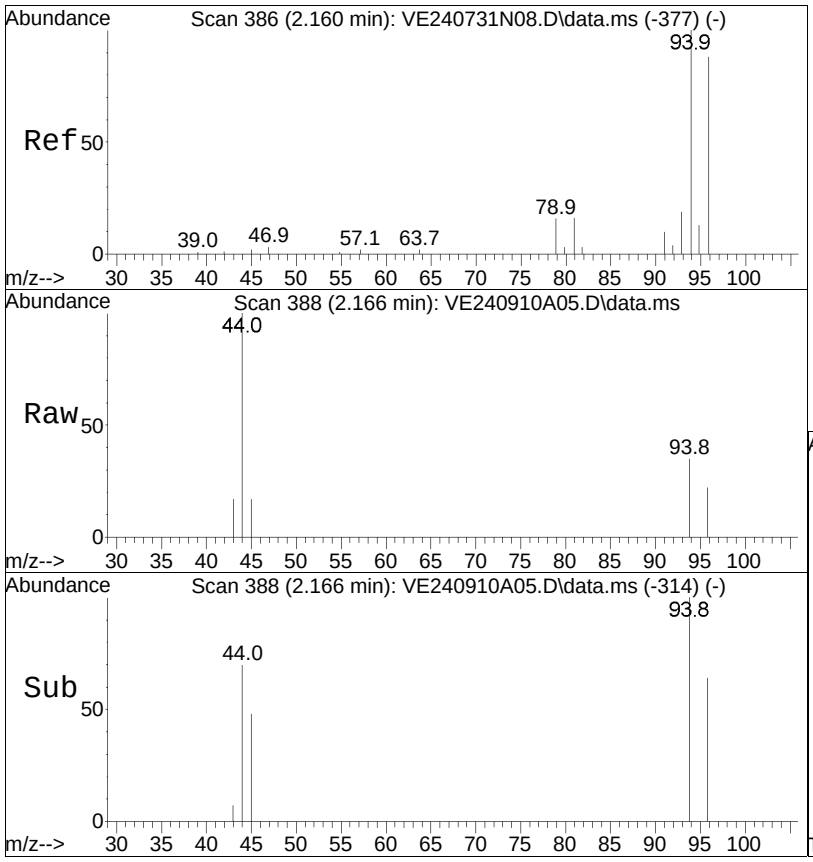
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A05.D
Acq On : 10 Sep 2024 10:12 am
Operator : ELAINE:PID
Sample : WG1970185-5,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:05:31 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

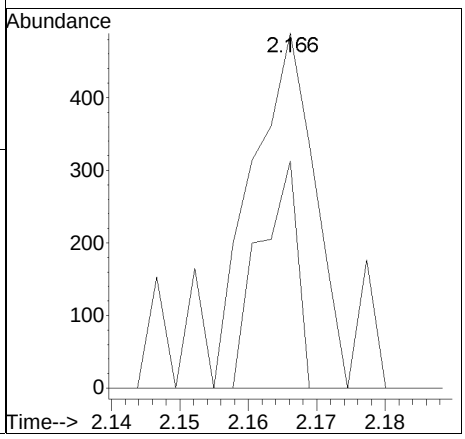


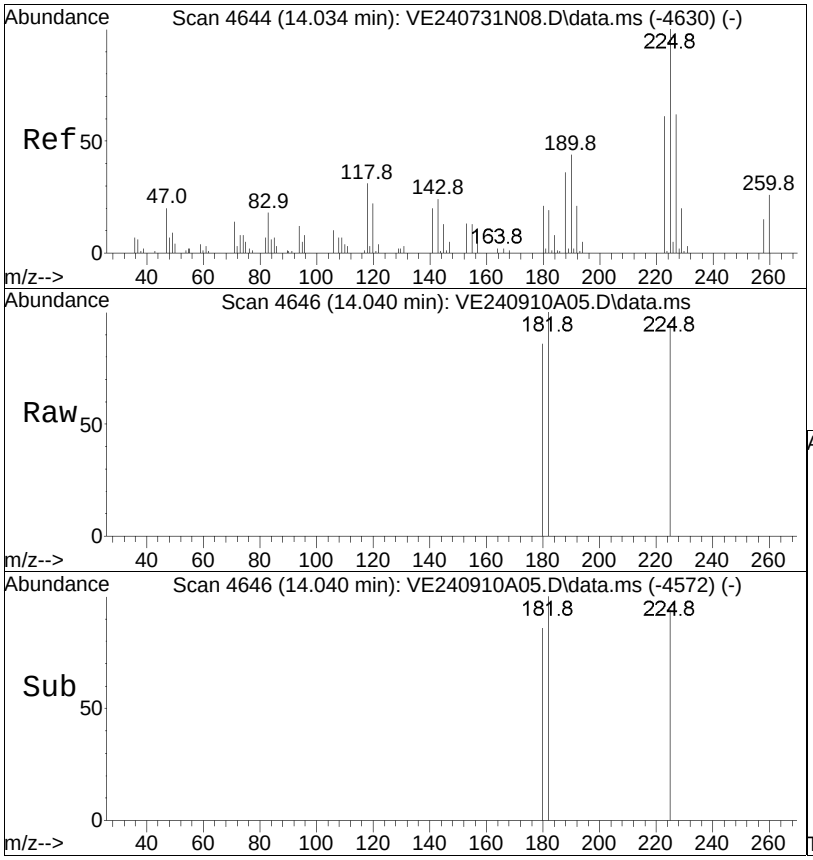


#5
Bromomethane
Concen: 0.48 ug/L
RT: 2.166 min Scan# 388
Delta R.T. 0.006 min
Lab File: VE240910A05.D
Acq: 10 Sep 2024 10:12 am

Tgt Ion: 94 Resp: 311

Ion	Ratio	Lower	Upper
94	100		
96	38.6	68.2	108.2#

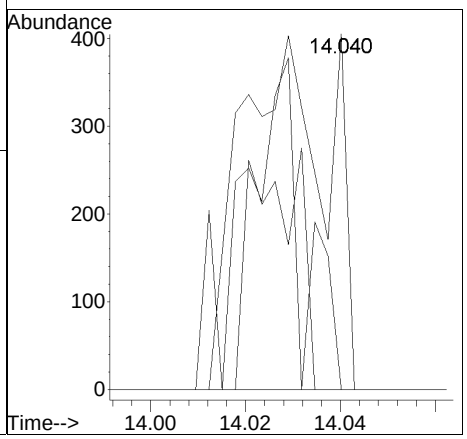


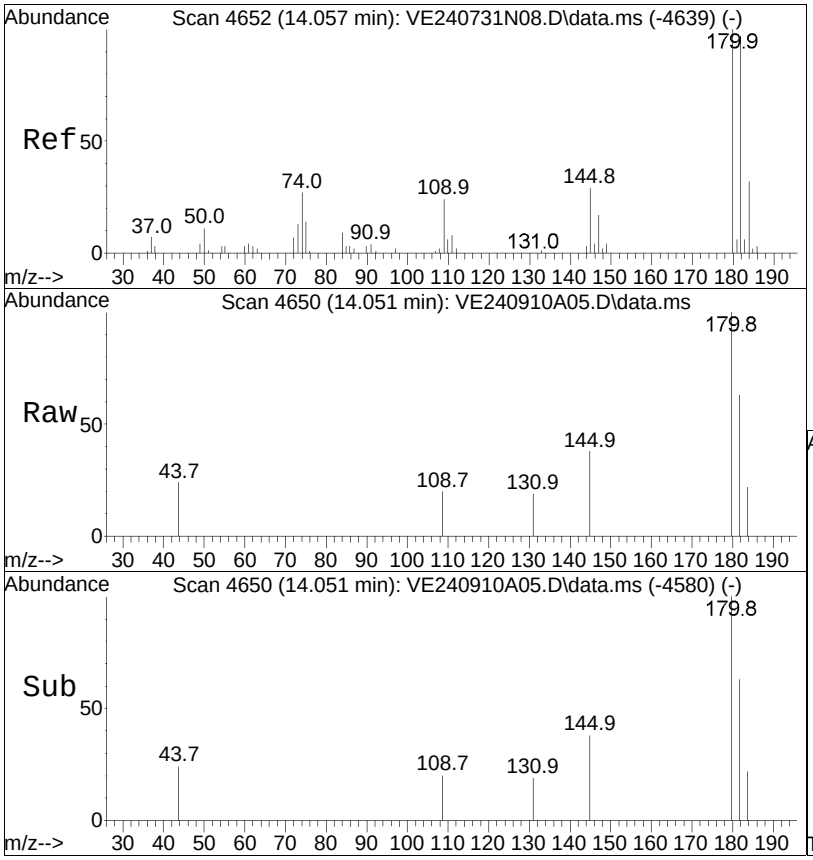


#113
Hexachlorobutadiene
Concen: 0.14 ug/L
RT: 14.040 min Scan# 4646
Delta R.T. 0.006 min
Lab File: VE240910A05.D
Acq: 10 Sep 2024 10:12 am

Tgt Ion:225 Resp: 499

Ion	Ratio	Lower	Upper
225	100		
223	58.9	54.6	82.0
227	38.5	56.2	84.4#

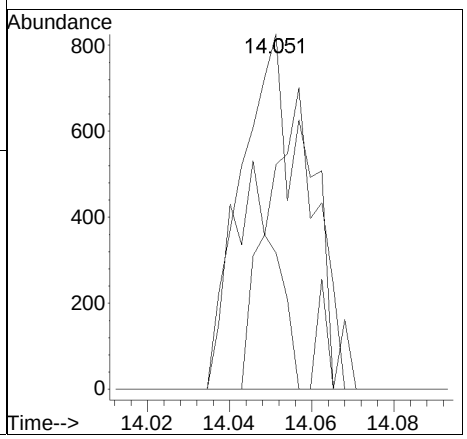


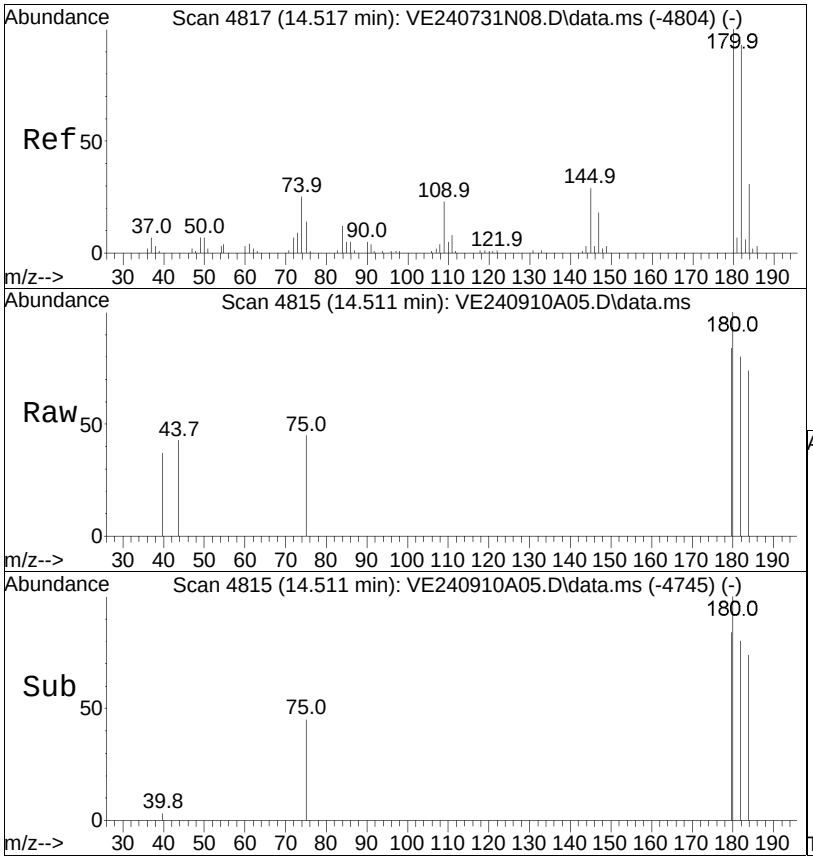


#114
1,2,4-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.051 min Scan# 4650
Delta R.T. -0.006 min
Lab File: VE240910A05.D
Acq: 10 Sep 2024 10:12 am

Tgt Ion:180 Resp: 920

Ion	Ratio	Lower	Upper
180	100		
182	0.0	75.4	113.2#
145	21.7	26.0	39.0#

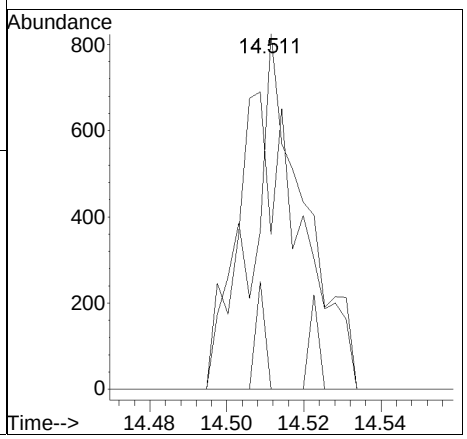




#116
1,2,3-Trichlorobenzene
Concen: 0.09 ug/L
RT: 14.511 min Scan# 4815
Delta R.T. -0.006 min
Lab File: VE240910A05.D
Acq: 10 Sep 2024 10:12 am

Tgt Ion:180 Resp: 796

Ion	Ratio	Lower	Upper
180	100		
182	99.6	71.6	107.4
145	5.3	25.1	37.7#



Manual Integration Report

Data Path	: K:\Elaine\2024\240910A\	QMethod	: Elaine_240731N_8260.m
Data File	: VE240910A05.D	Operator	: ELAINE:PID
Date Inj'd	: 9/10/2024 10:12 am	Instrument	: Elaine
Sample	: WG1970185-5,31,10,10	Quant Date	: 9/10/2024 1:04 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-3,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.094	96	297219	10.000	ug/L		0.00
63) Chlorobenzene-d5	9.644	117	233516	10.000	ug/L		0.00
84) 1,4-Dichlorobenzene-d4	12.334	152	133889	10.000	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	5.282	113	87329	11.247	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.47%				
47) 1,2-Dichloroethane-d4	5.806	65	89265	12.028	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.28%				
64) Toluene-d8	7.798	98	319108	10.600	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.00%				
88) 4-Bromofluorobenzene	11.128	95	111602	9.507	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.675	85	67323	9.808	ug/L		96
3) Chloromethane	1.863	50	77448	10.447	ug/L		97
4) Vinyl chloride	1.942	62	77511	11.656	ug/L		99
5) Bromomethane	2.262	94	30682	7.701	ug/L		98
6) Chloroethane	2.377	64	47727	11.268	ug/L		99
7) Trichlorofluoromethane	2.524	101	77094	10.298	ug/L		98
8) Ethyl ether	2.823	74	21360	9.884	ug/L		91
10) 1,1-Dichloroethene	3.017	96	49513	10.803	ug/L		78
11) Carbon disulfide	3.048	76	169029	11.806	ug/L		99
15) Methylene chloride	3.572	84	71352	11.640	ug/L		82
17) Acetone	3.604	43	9967	13.411	ug/L		92
18) trans-1,2-Dichloroethene	3.730	96	54306	11.506	ug/L		84
21) Methyl tert-butyl ether	3.829	73	74011	7.599	ug/L		94
25) 1,1-Dichloroethane	4.317	63	115569	13.001	ug/L		98
27) Acrylonitrile	4.354	53	13532	12.567	ug/L		96
29) Vinyl acetate	4.548	43	70093	9.488	ug/L	#	93
30) cis-1,2-Dichloroethene	4.836	96	64003	11.570	ug/L	#	81
31) 2,2-Dichloropropane	4.941	77	73165	10.746	ug/L		82
33) Bromochloromethane	5.030	128	29386	11.168	ug/L	#	66
35) Chloroform	5.103	83	111150	12.845	ug/L		93
37) Carbon tetrachloride	5.245	117	53399	9.239	ug/L		87
40) 1,1,1-Trichloroethane	5.308	97	68974	9.491	ug/L		93
42) 2-Butanone	5.397	43	12025	10.747	ug/L		97
43) 1,1-Dichloropropene	5.434	75	55278	9.375	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-3,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Benzene	5.680	78	206232	11.035	ug/L		96
48) 1,2-Dichloroethane	5.874	62	61635	11.458	ug/L	#	97
52) Trichloroethene	6.278	95	48664	9.763	ug/L		96
54) Dibromomethane	6.713	93	29630	11.541	ug/L		94
55) 1,2-Dichloropropane	6.818	63	48208	11.048	ug/L		98
58) Bromodichloromethane	6.891	83	62551	10.455	ug/L	#	99
61) 1,4-Dioxane	7.096	88	15957	570.629	ug/L	#	95
62) cis-1,3-Dichloropropene	7.583	75	65865	9.749	ug/L	#	81
65) Toluene	7.856	92	140616	11.618	ug/L		100
66) 4-Methyl-2-pentanone	8.286	58	9796	9.821	ug/L	#	82
67) Tetrachloroethene	8.307	166	51430	10.715	ug/L		94
69) trans-1,3-Dichloropropene	8.333	75	57620	10.816	ug/L	#	79
72) 1,1,2-Trichloroethane	8.522	83	32348	11.948	ug/L		98
73) Chlorodibromomethane	8.732	129	39868	10.717	ug/L		99
74) 1,3-Dichloropropane	8.842	76	64900	11.716	ug/L		99
75) 1,2-Dibromoethane	9.010	107	32472	11.982	ug/L		97
77) 2-Hexanone	9.298	43	15822	9.748	ug/L		96
78) Chlorobenzene	9.665	112	147478	10.977	ug/L		91
79) Ethylbenzene	9.707	91	248779	10.942	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.749	131	42934	11.151	ug/L		99
81) p/m Xylene	9.896	106	198874	21.931	ug/L		95
82) o Xylene	10.430	106	189900	21.734	ug/L		96
83) Styrene	10.493	104	328204	22.783	ug/L		95
85) Bromoform	10.514	173	23935	10.416	ug/L		99
87) Isopropylbenzene	10.813	105	221305	9.896	ug/L		98
89) Bromobenzene	11.238	156	58780	10.049	ug/L		98
90) n-Propylbenzene	11.285	91	299132	11.120	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.364	83	48124	12.017	ug/L		99
93) 4-Ethyltoluene	11.411	105	236061	10.444	ug/L		99
94) 2-Chlorotoluene	11.448	91	189399M1	11.339	ug/L		
95) 1,3,5-Trimethylbenzene	11.505	105	211726	10.567	ug/L		98
96) 1,2,3-Trichloropropane	11.505	75	38314	11.869	ug/L		90
97) trans-1,4-Dichloro-2-b...	11.553	53	11638	12.275	ug/L		94
98) 4-Chlorotoluene	11.631	91	192172	10.966	ug/L		95
99) tert-Butylbenzene	11.846	119	164351	10.040	ug/L		95
102) 1,2,4-Trimethylbenzene	11.925	105	202114	10.443	ug/L		98
103) sec-Butylbenzene	12.035	105	252109	10.725	ug/L		96
104) p-Isopropyltoluene	12.192	119	207577	10.120	ug/L		97
105) 1,3-Dichlorobenzene	12.255	146	125336	10.905	ug/L		98
106) 1,4-Dichlorobenzene	12.349	146	127396	10.988	ug/L		98

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-3,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	p-Diethylbenzene	12.564	119	118932	9.951	ug/L	97
108)	n-Butylbenzene	12.617	91	199691	11.710	ug/L	97
109)	1,2-Dichlorobenzene	12.769	146	115832	10.646	ug/L	97
110)	1,2,4,5-Tetramethylben...	13.351	119	161960	8.883	ug/L	96
111)	1,2-Dibromo-3-chloropr...	13.540	155	6479	11.494	ug/L	97
113)	Hexachlorobutadiene	14.158	225	29179	10.544	ug/L	98
114)	1,2,4-Trichlorobenzene	14.174	180	74082	10.166	ug/L	99
115)	Naphthalene	14.468	128	143988	9.419	ug/L	100
116)	1,2,3-Trichlorobenzene	14.635	180	71956	10.529	ug/L	99

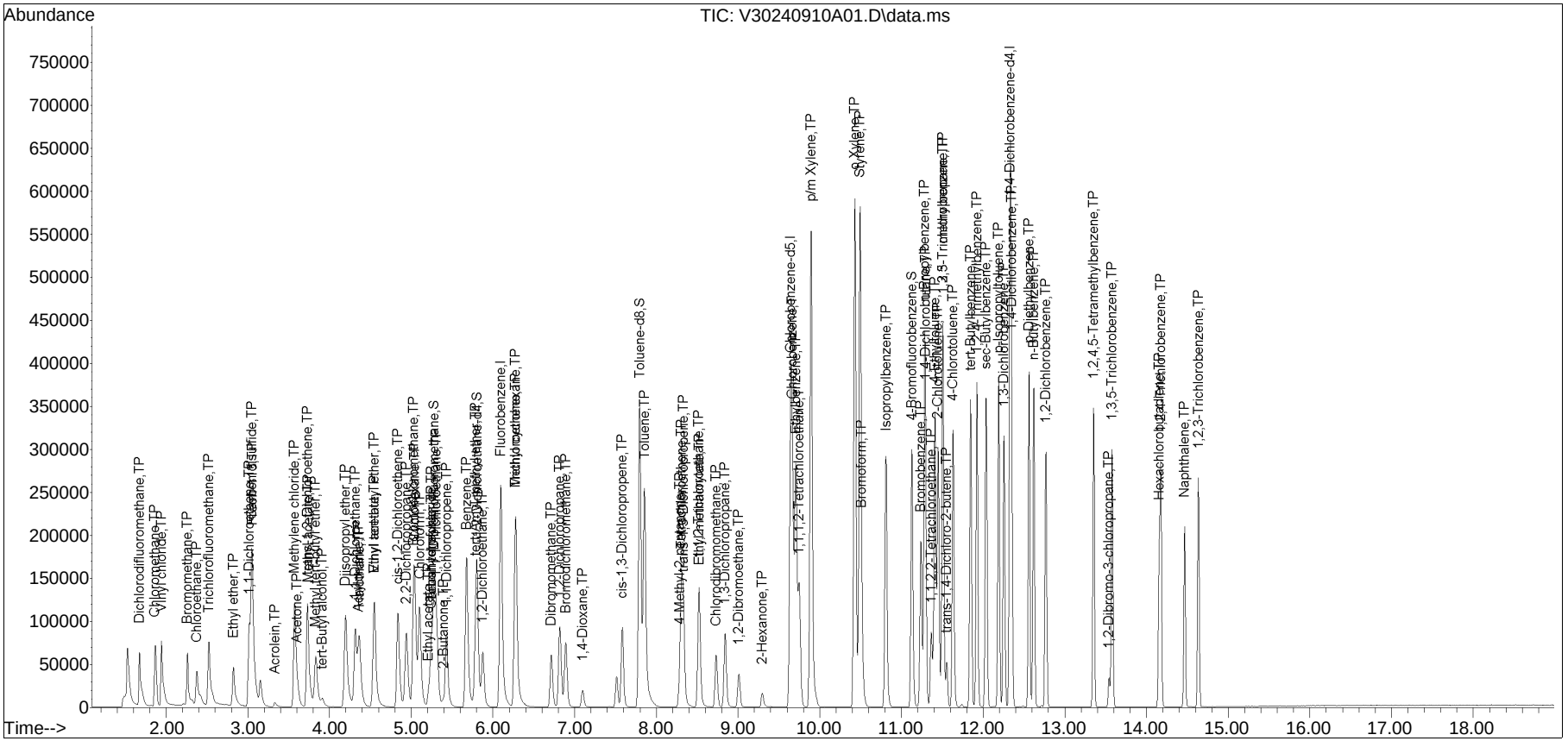
(#) = qualifier out of range (m) = manual integration (+) = signals summed

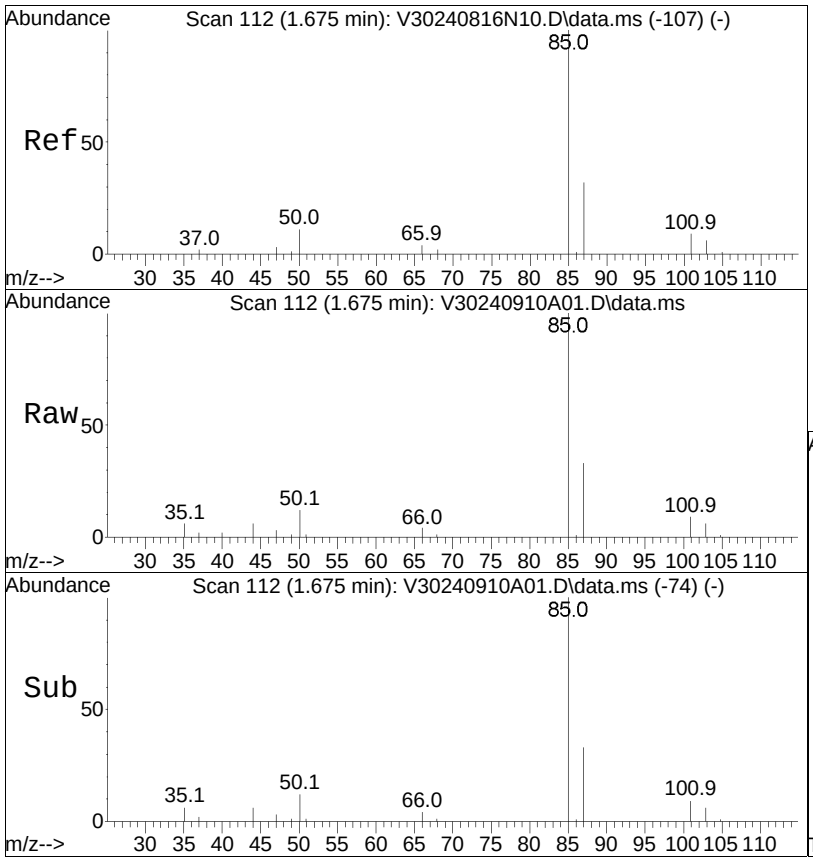
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Acq On : 10 Sep 2024 06:37 am
Operator : VOA130:PID
Sample : WG1969667-3,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 07:37:21 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

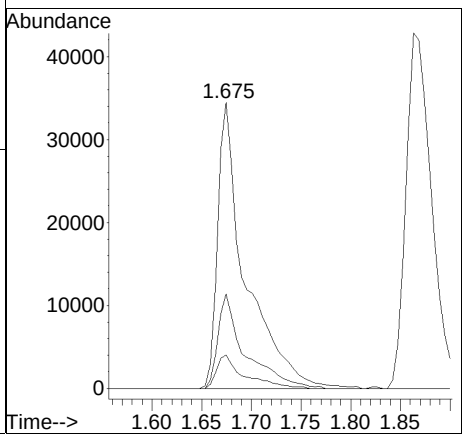


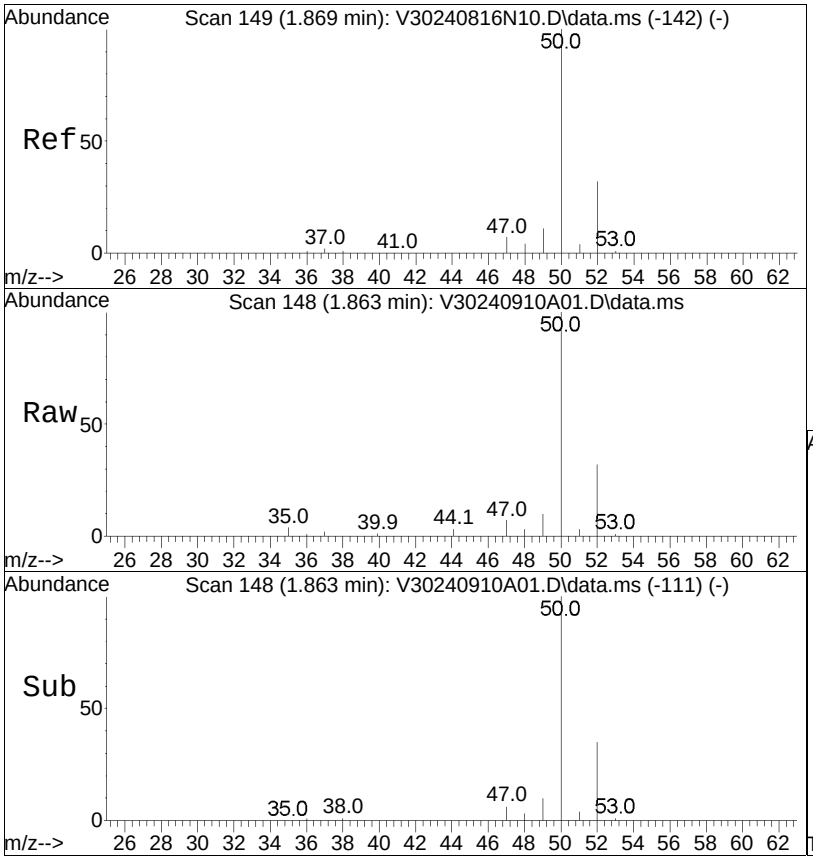


#2
Dichlorodifluoromethane
Concen: 9.81 ug/L
RT: 1.675 min Scan# 112
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 85 Resp: 67323

Ion	Ratio	Lower	Upper
85	100		
87	32.1	20.2	42.0
50	11.5	10.1	20.9

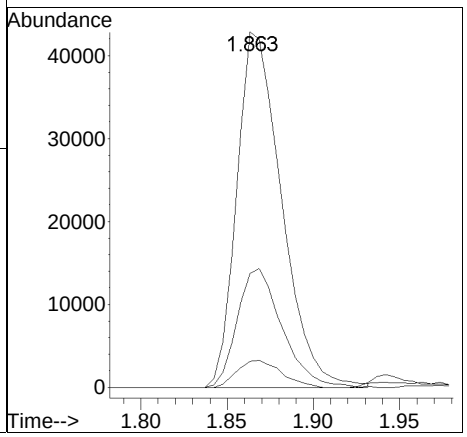


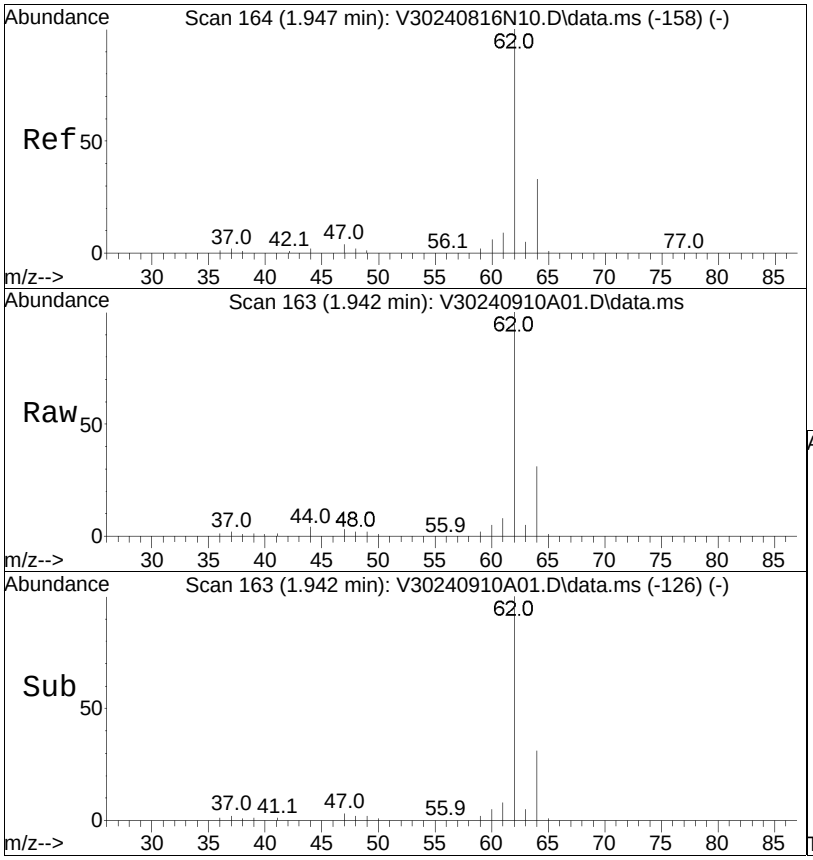


#3
Chloromethane
Concen: 10.45 ug/L
RT: 1.863 min Scan# 148
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 50 Resp: 77448

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.1	37.7
47	7.6	6.5	9.7

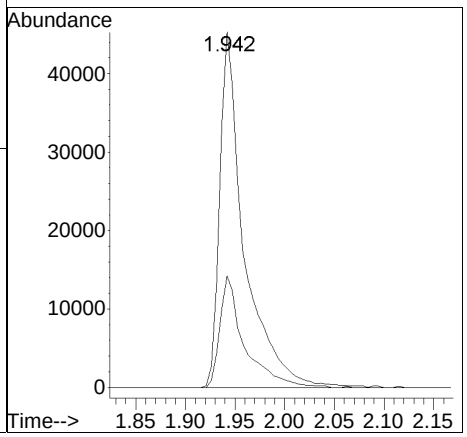


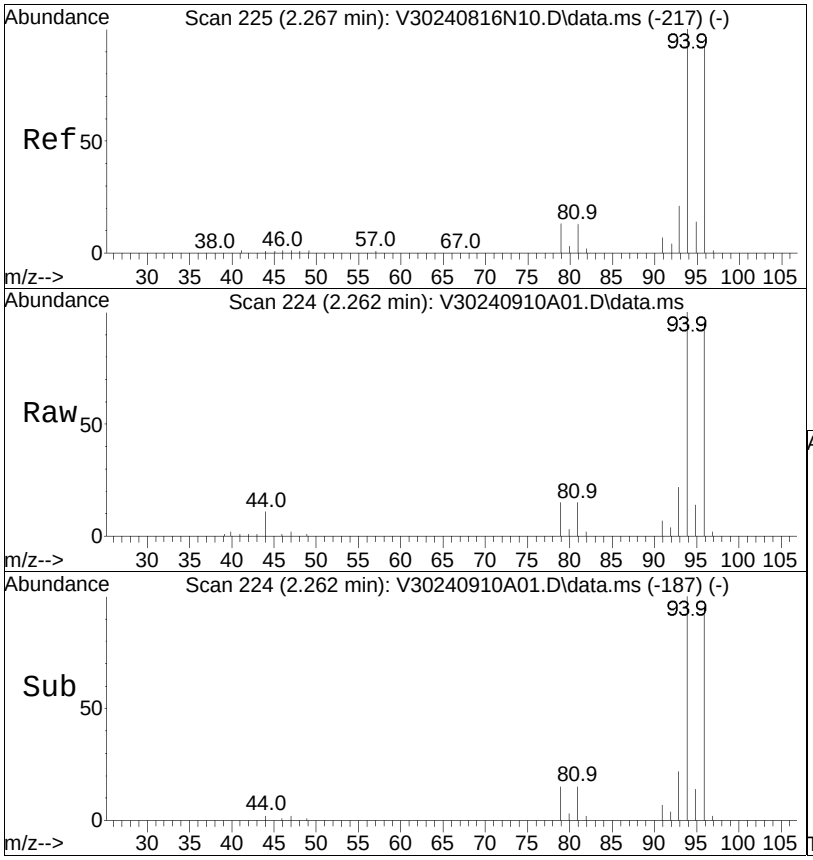


#4
Vinyl chloride
Concen: 11.66 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 62 Resp: 77511

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.7	38.5

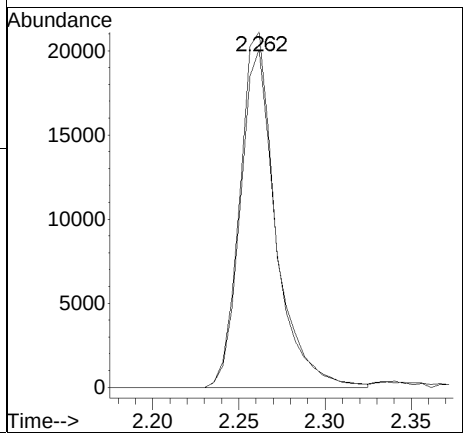


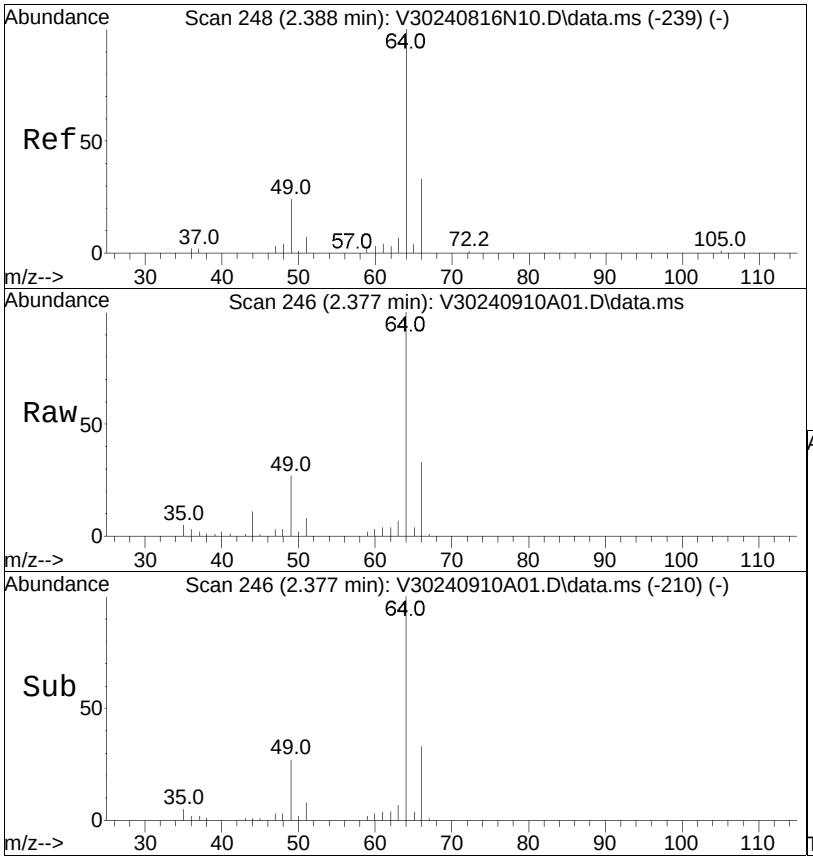


#5
Bromomethane
Concen: 7.70 ug/L
RT: 2.262 min Scan# 224
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 94 Resp: 30682

Ion	Ratio	Lower	Upper
94	100		
96	93.8	73.7	110.5

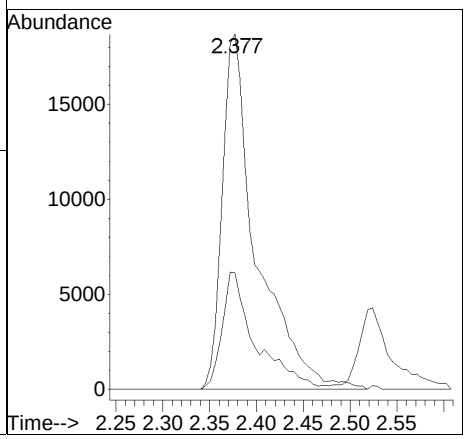


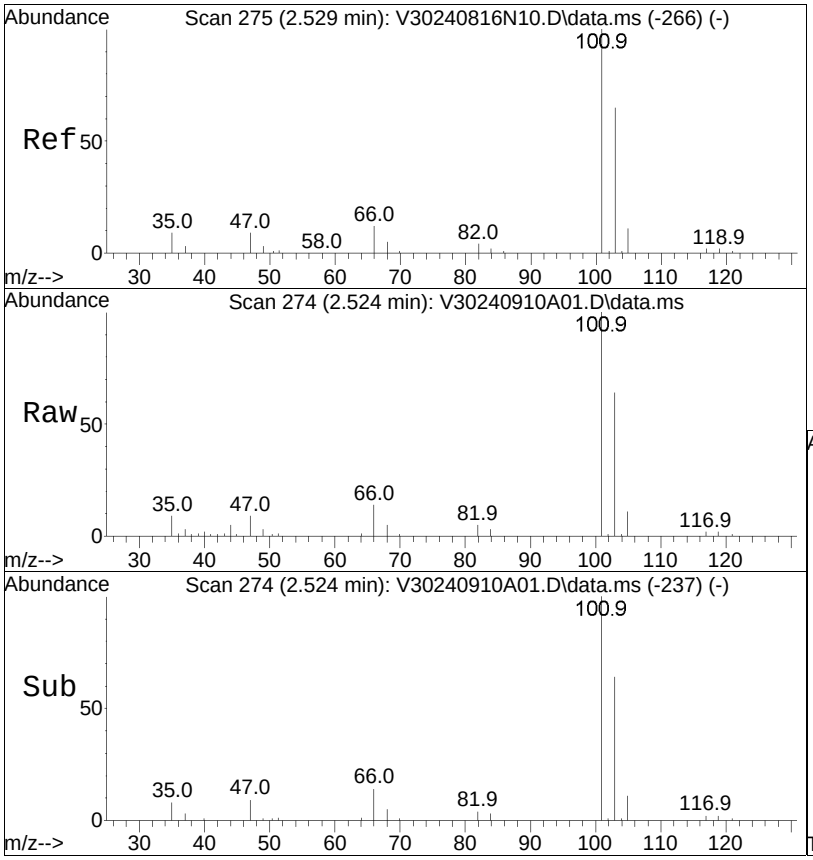


#6
Chloroethane
Concen: 11.27 ug/L
RT: 2.377 min Scan# 246
Delta R.T. -0.011 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 64 Resp: 47727

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.3	37.9

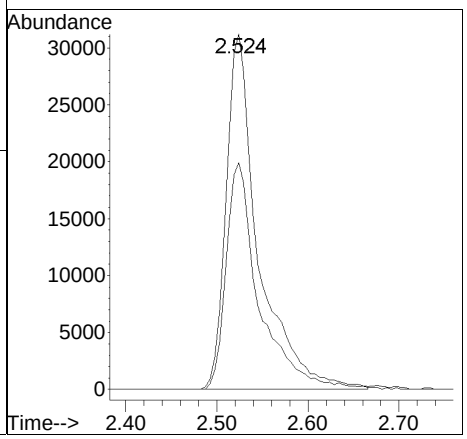


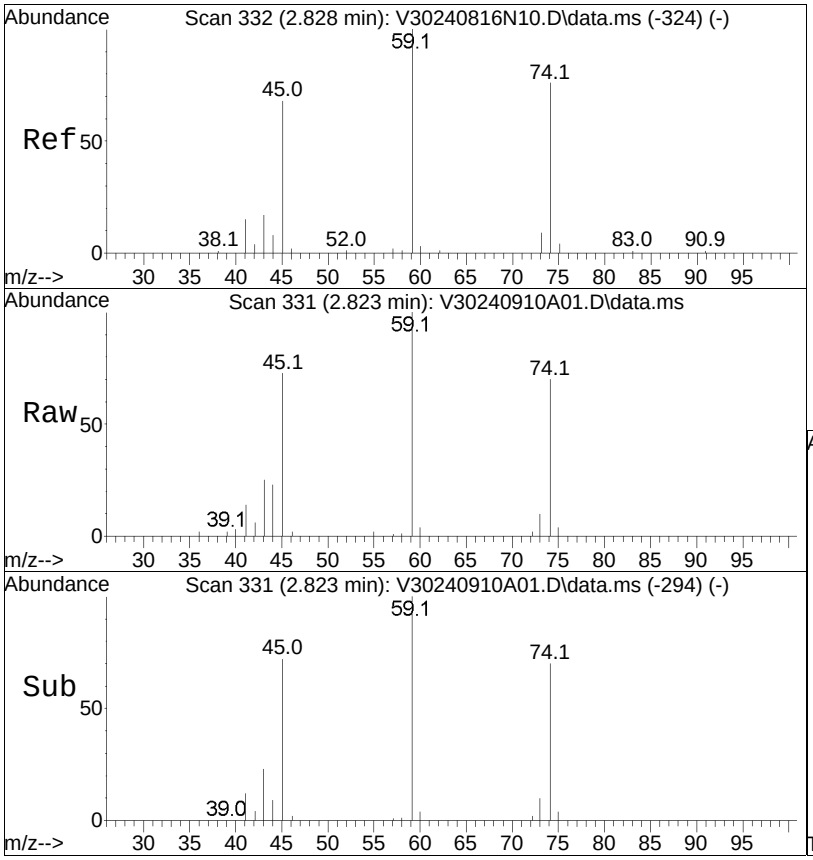


#7
Trichlorofluoromethane
Concen: 10.30 ug/L
RT: 2.524 min Scan# 274
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:101 Resp: 77094

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.4

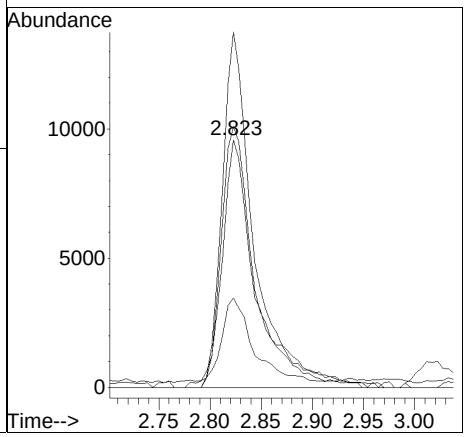


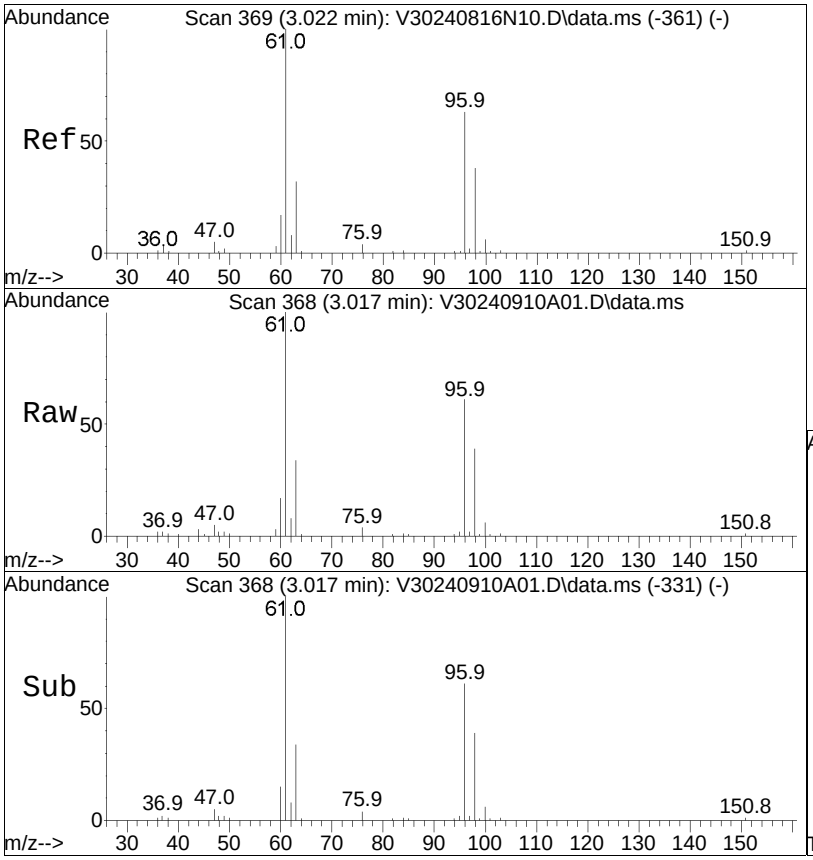


#8
Ethyl ether
Concen: 9.88 ug/L
RT: 2.823 min Scan# 331
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 74 Resp: 21360

Ion	Ratio	Lower	Upper
74	100		
59	141.0	97.6	202.8
45	112.1	80.6	167.4
43	43.3	24.8	51.6

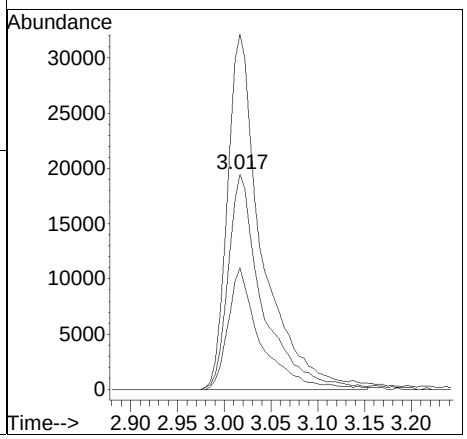


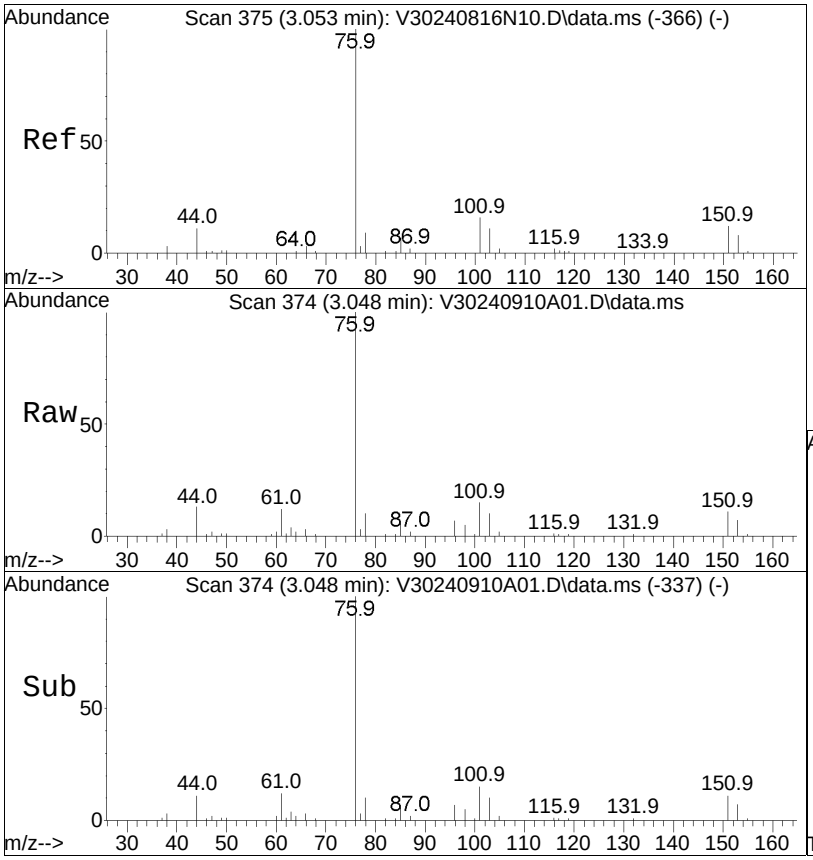


#10
1,1-Dichloroethene
Concen: 10.80 ug/L
RT: 3.017 min Scan# 368
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 96 Resp: 49513

Ion	Ratio	Lower	Upper
96	100		
61	167.7	165.5	248.3
63	54.6	51.9	77.9

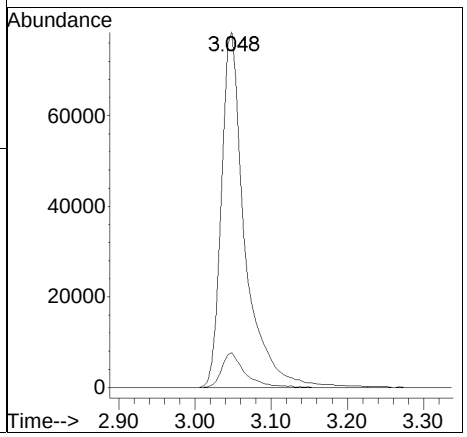


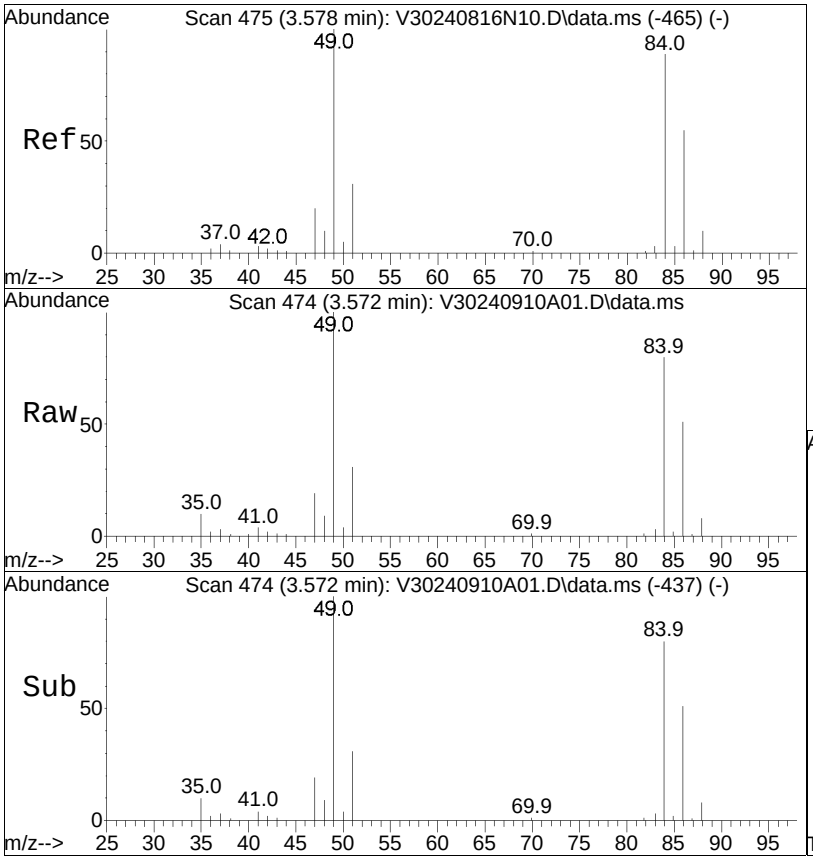


#11
Carbon disulfide
Concen: 11.81 ug/L
RT: 3.048 min Scan# 374
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 76 Resp: 169029

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.4	13.4

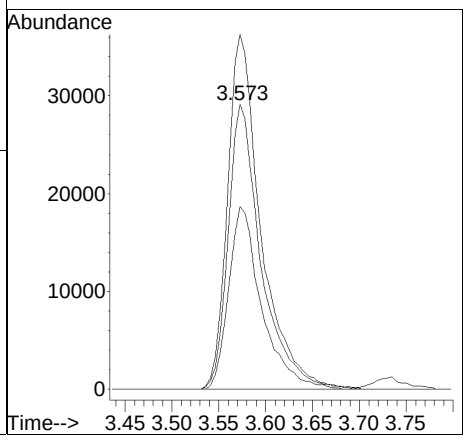


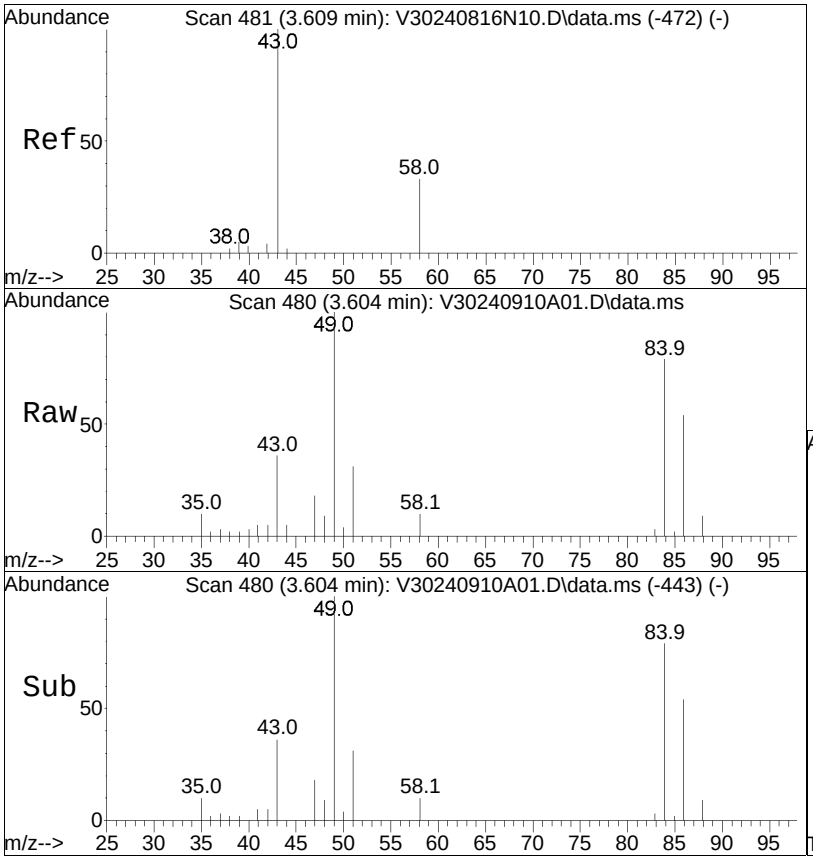


#15
Methylene chloride
Concen: 11.64 ug/L
RT: 3.572 min Scan# 474
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 84 Resp: 71352

Ion	Ratio	Lower	Upper
84	100		
86	64.3	41.7	86.5
49	126.0	103.9	215.9

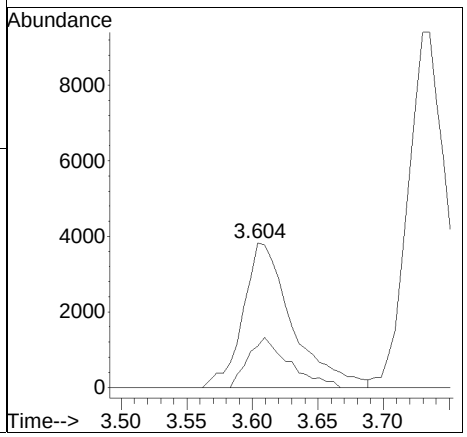


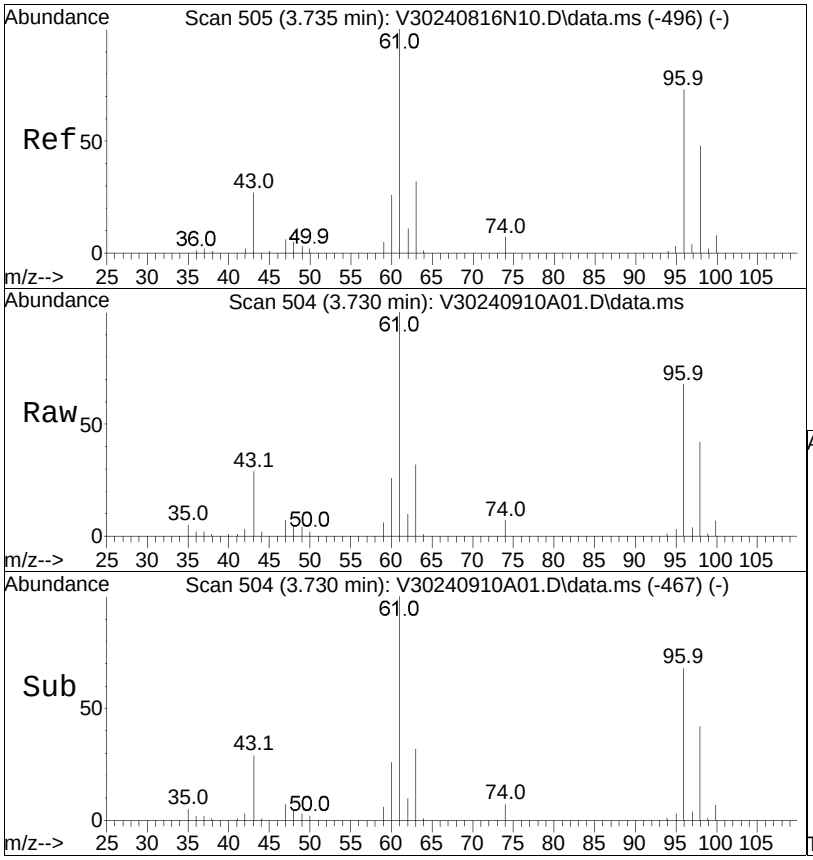


#17
Acetone
Concen: 13.41 ug/L
RT: 3.604 min Scan# 480
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 43 Resp: 9967

Ion	Ratio	Lower	Upper
43	100		
58	28.9	20.1	30.1

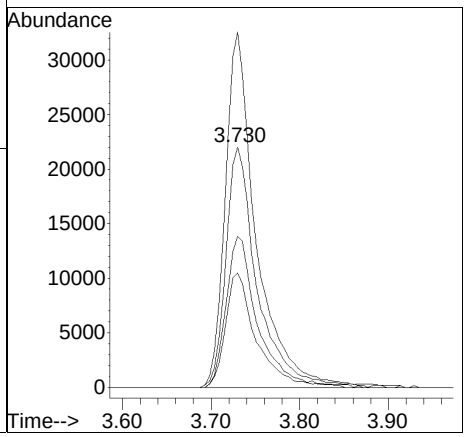


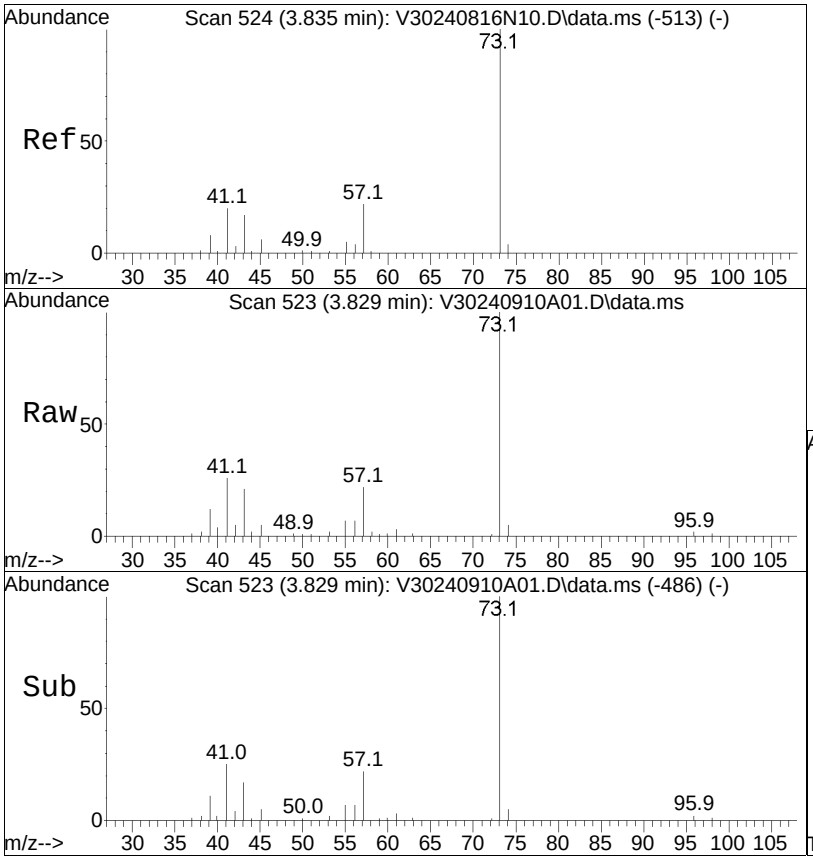


#18
trans-1,2-Dichloroethene
Concen: 11.51 ug/L
RT: 3.730 min Scan# 504
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 96 Resp: 54306

Ion	Ratio	Lower	Upper
96	100		
61	144.6	113.6	236.0
98	63.6	40.8	84.8
63	46.9	36.5	75.7

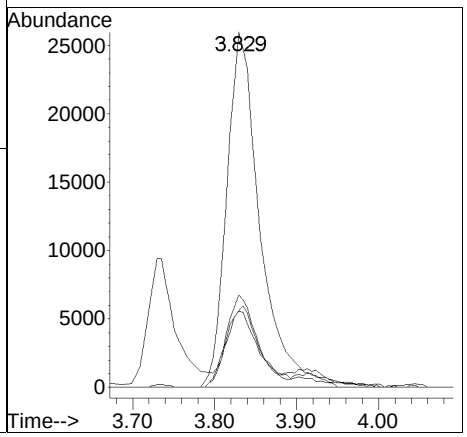


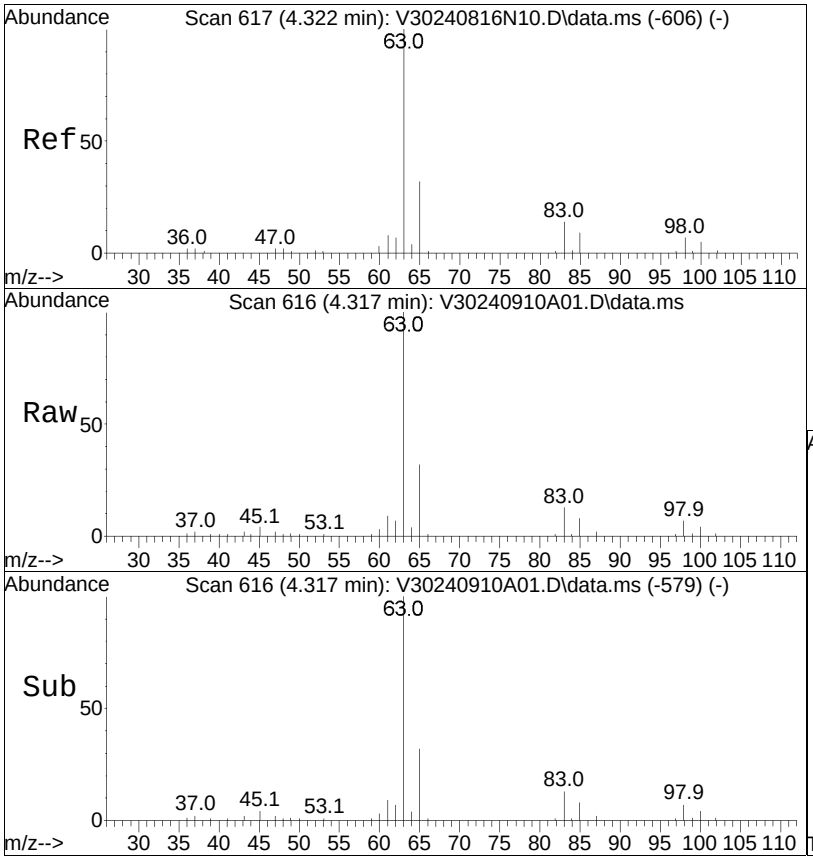


#21
Methyl tert-butyl ether
Concen: 7.60 ug/L
RT: 3.829 min Scan# 523
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 73 Resp: 74011

Ion	Ratio	Lower	Upper
73	100		
57	22.5	15.5	32.1
43	20.5	16.6	34.6
41	24.2	17.2	35.6

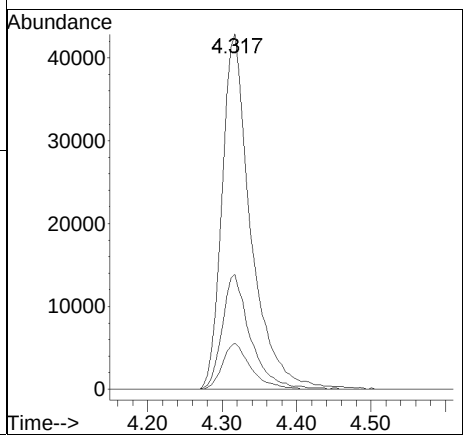


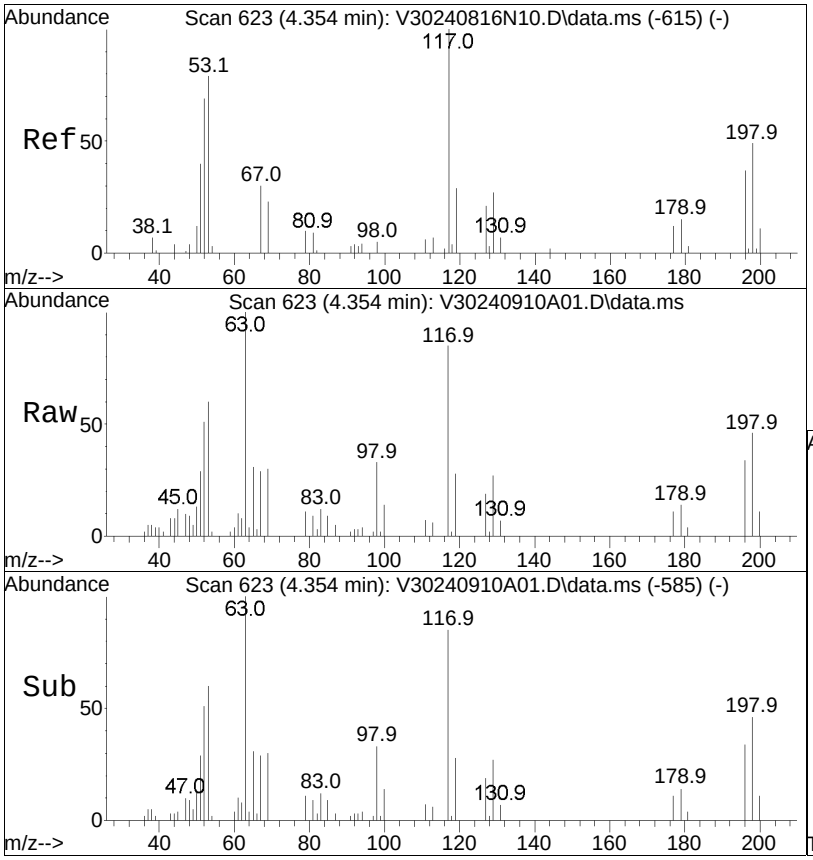


#25
1,1-Dichloroethane
Concen: 13.00 ug/L
RT: 4.317 min Scan# 616
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 63 Resp: 115569

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.5	36.7
83	12.8	8.9	13.3

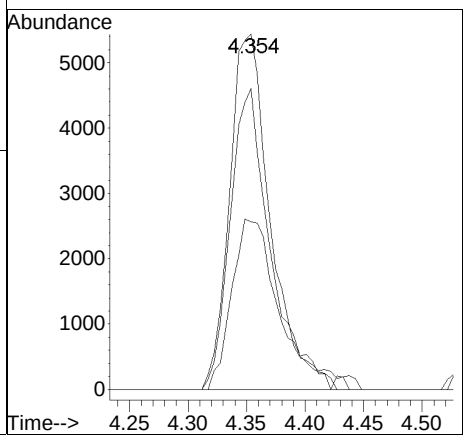


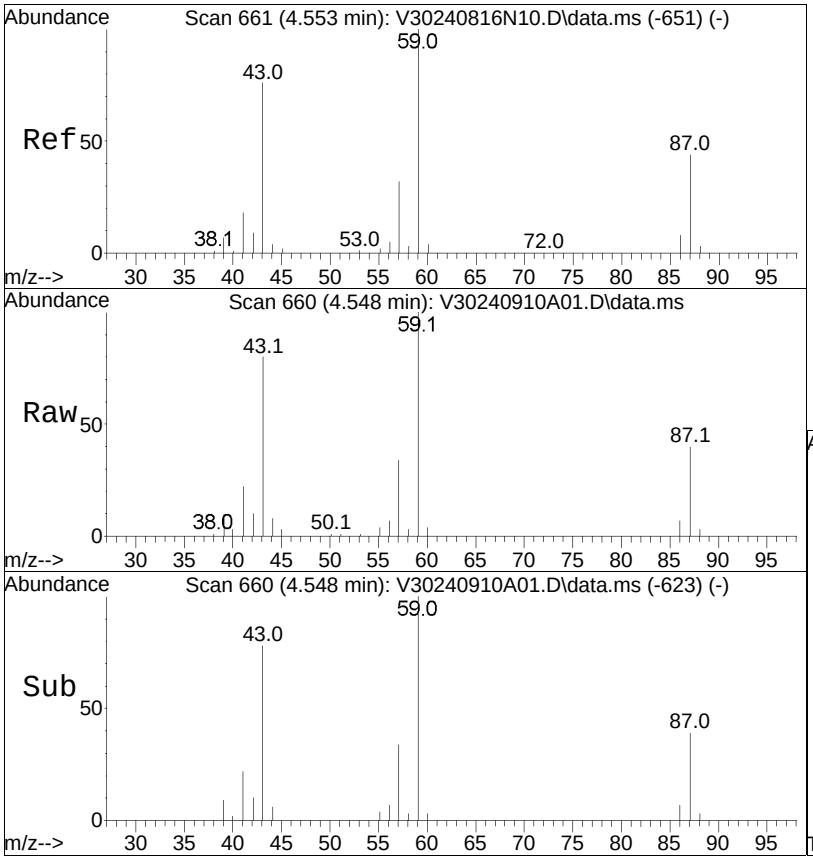


#27
Acrylonitrile
Concen: 12.57 ug/L
RT: 4.354 min Scan# 623
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 53 Resp: 13532

Ion	Ratio	Lower	Upper
53	100		
52	81.2	69.0	103.6
51	53.6	41.8	62.8

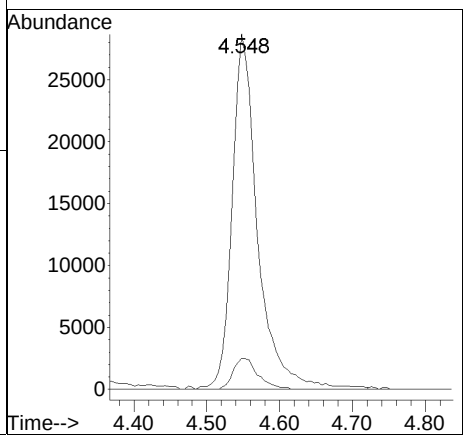


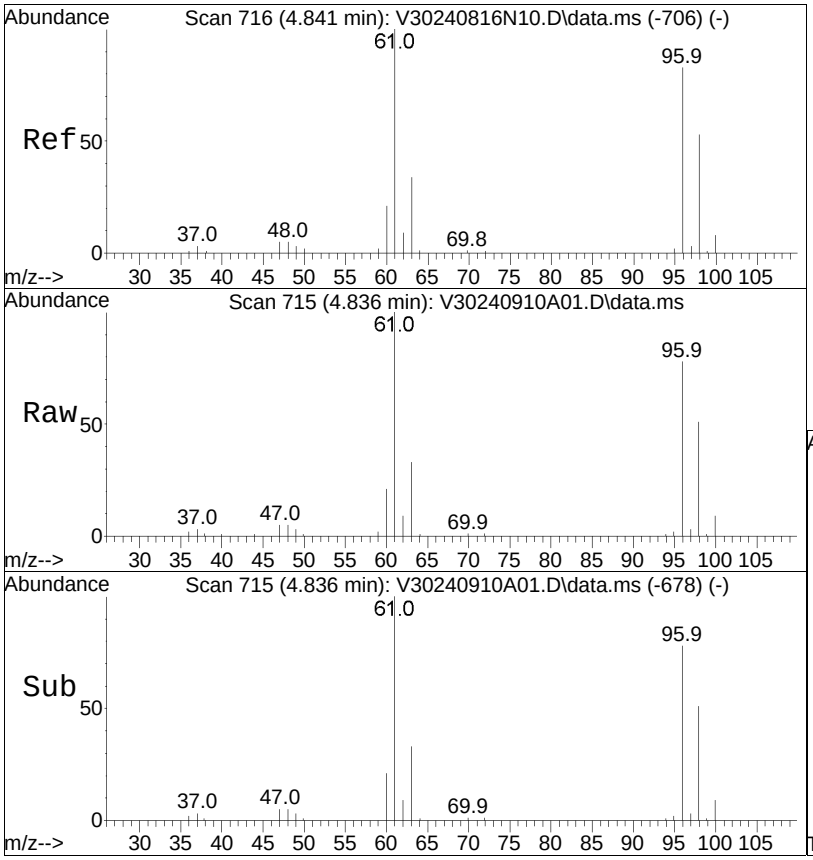


#29
Vinyl acetate
Concen: 9.49 ug/L
RT: 4.548 min Scan# 660
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 43 Resp: 70093

Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.0	7.6#

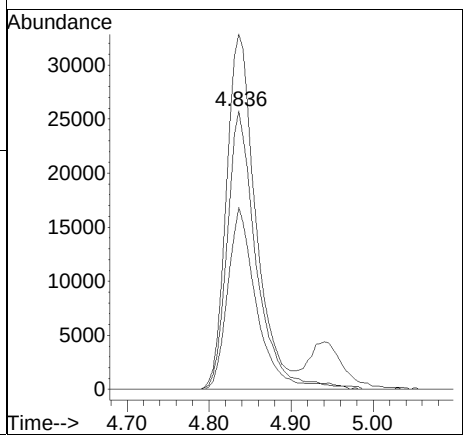


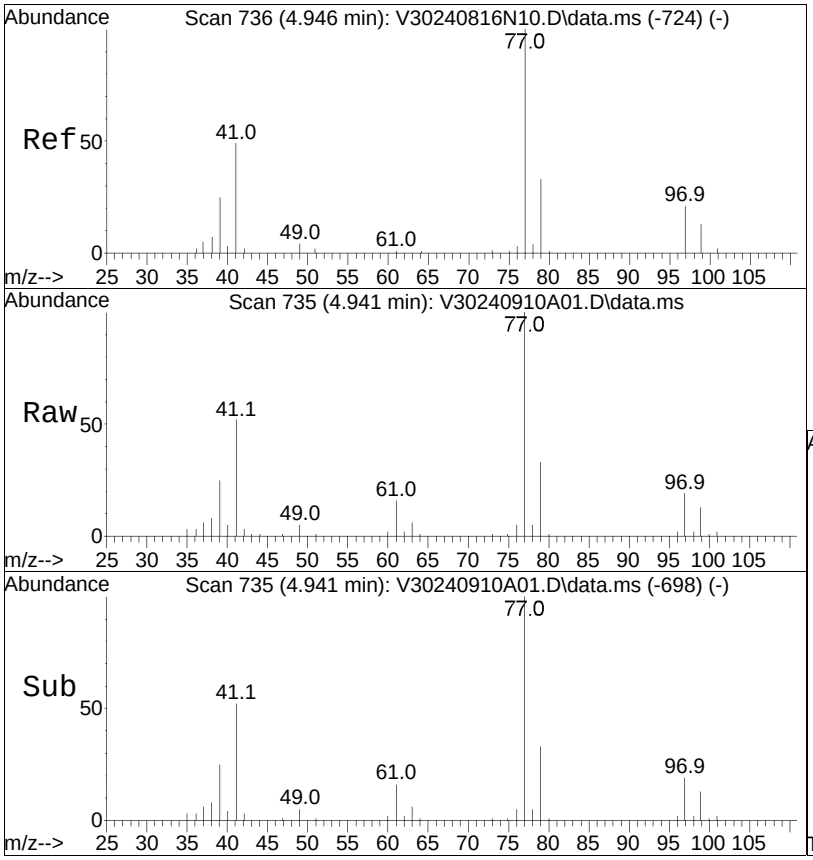


#30
cis-1,2-Dichloroethene
Concen: 11.57 ug/L
RT: 4.836 min Scan# 715
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 96 Resp: 64003

Ion	Ratio	Lower	Upper
96	100		
61	127.3	129.3	193.9#
98	65.0	51.4	77.2

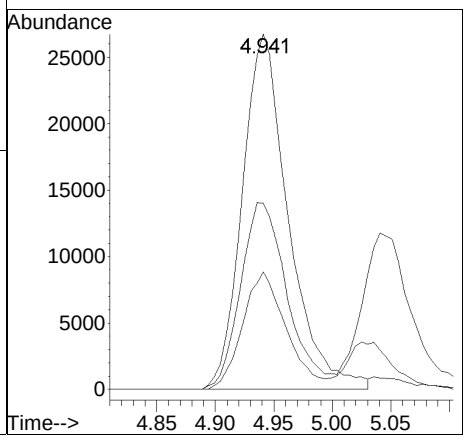


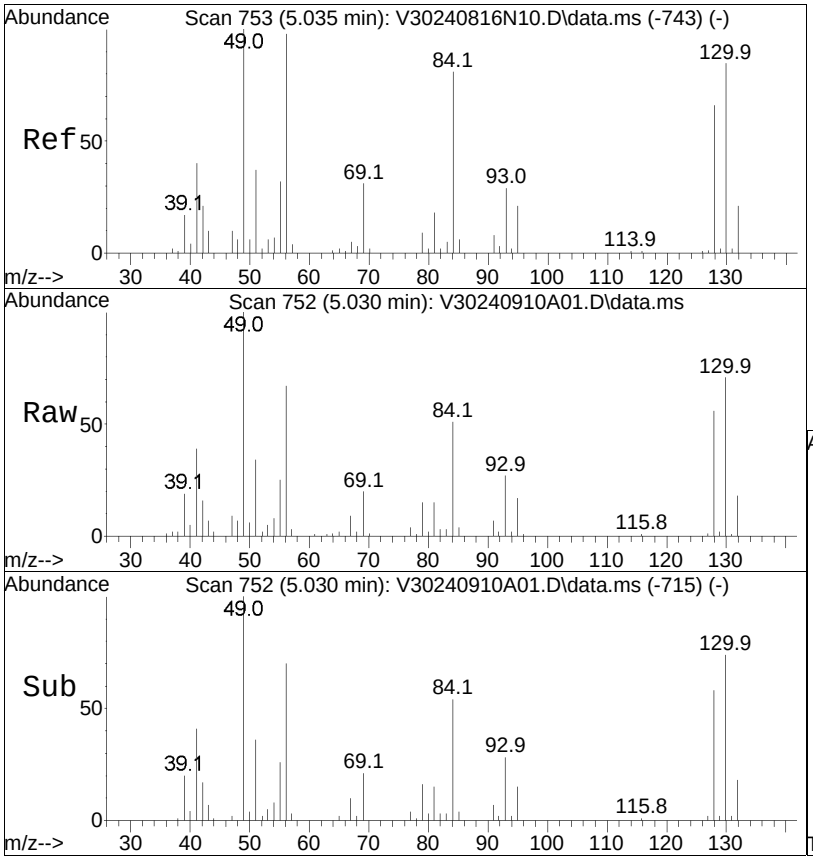


#31
2,2-Dichloropropane
Concen: 10.75 ug/L
RT: 4.941 min Scan# 735
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 77 Resp: 73165

Ion	Ratio	Lower	Upper
77	100		
41	53.7	49.2	102.2
79	31.3	20.6	42.8

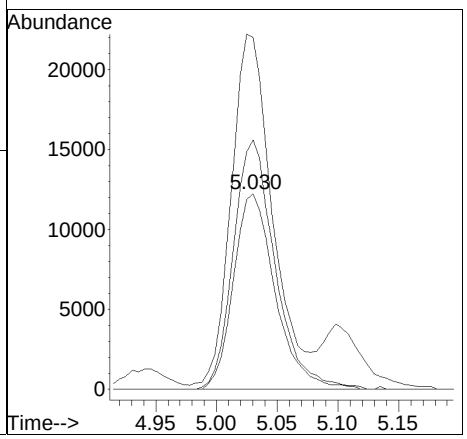


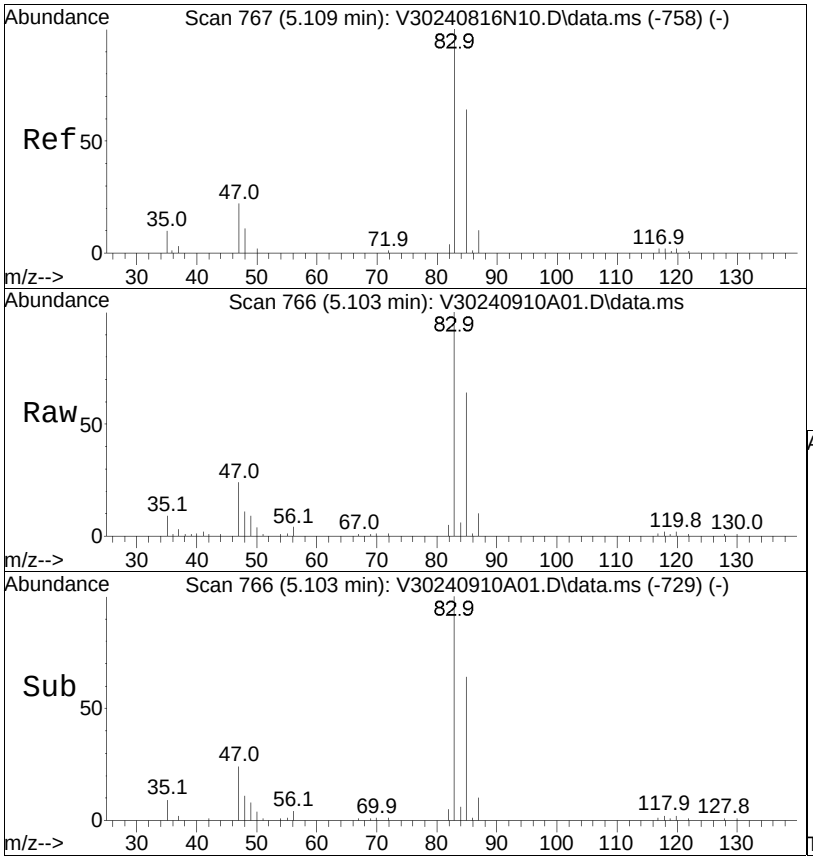


#33
Bromochloromethane
Concen: 11.17 ug/L
RT: 5.030 min Scan# 752
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:128 Resp: 29386

Ion	Ratio	Lower	Upper
128	100		
49	179.4	214.8	322.2#
130	127.3	105.4	158.2

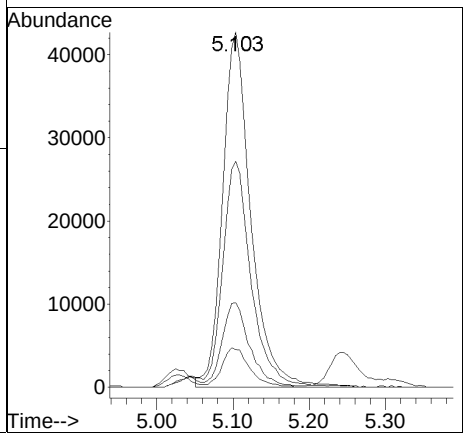


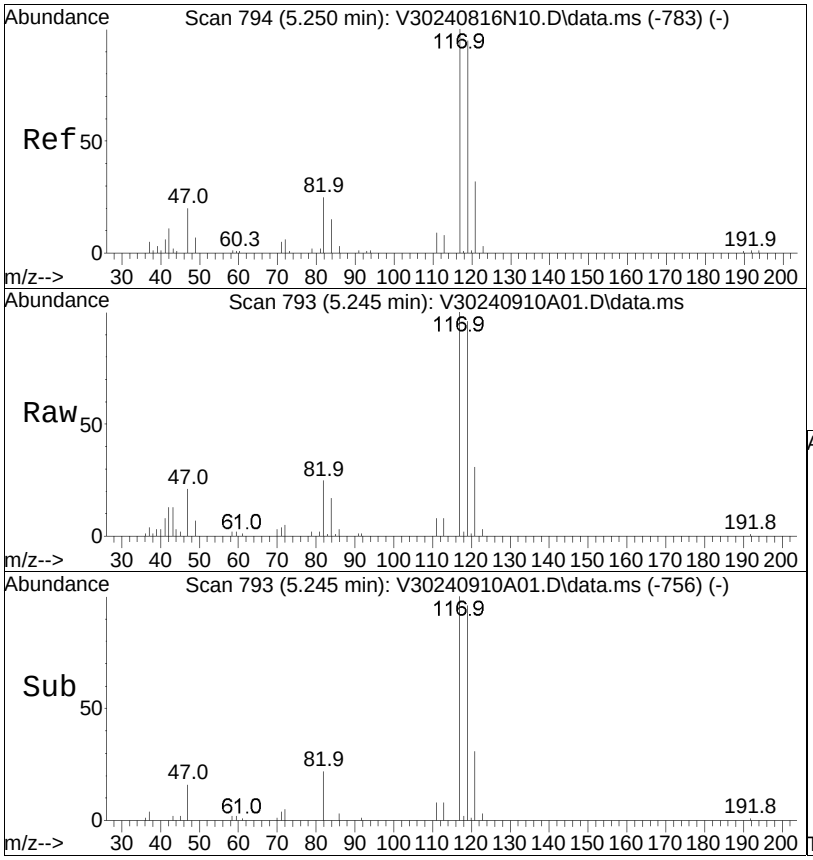


#35
Chloroform
Concen: 12.85 ug/L
RT: 5.103 min Scan# 766
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 83 Resp: 111150

Ion	Ratio	Lower	Upper
83	100		
85	62.0	41.4	86.0
47	22.3	20.5	42.5
48	10.9	9.9	20.5

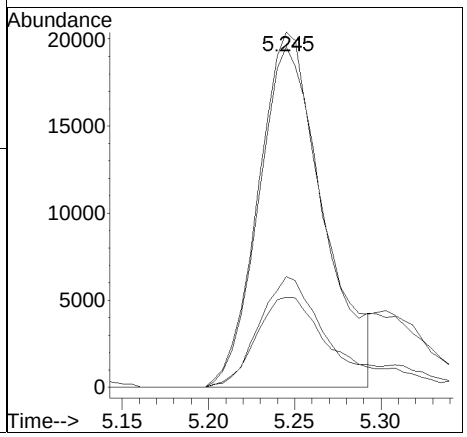


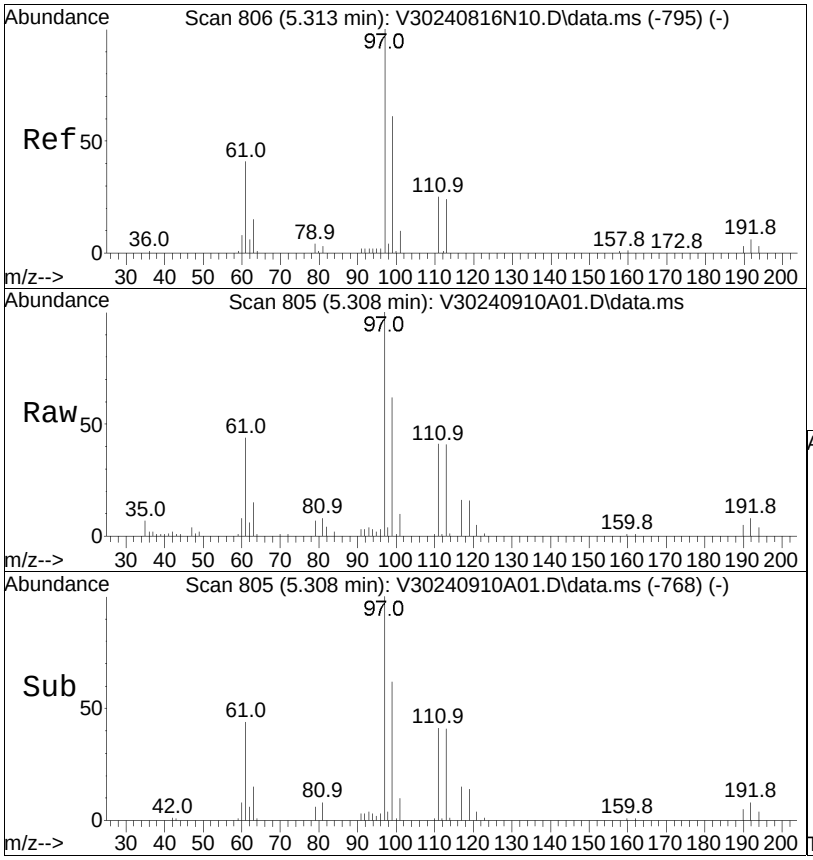


#37
Carbon tetrachloride
Concen: 9.24 ug/L
RT: 5.245 min Scan# 793
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:117 Resp: 53399

Ion	Ratio	Lower	Upper
117	100		
119	114.0	62.0	128.8
121	31.5	19.6	40.6
82	31.6	18.8	39.0

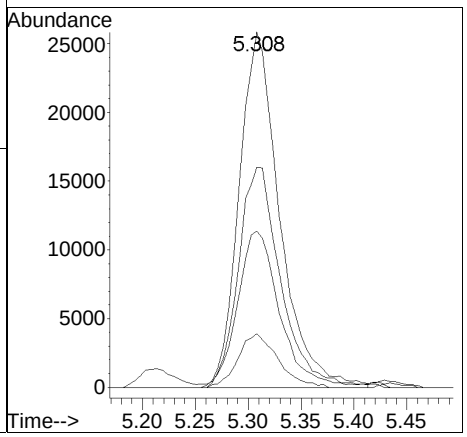


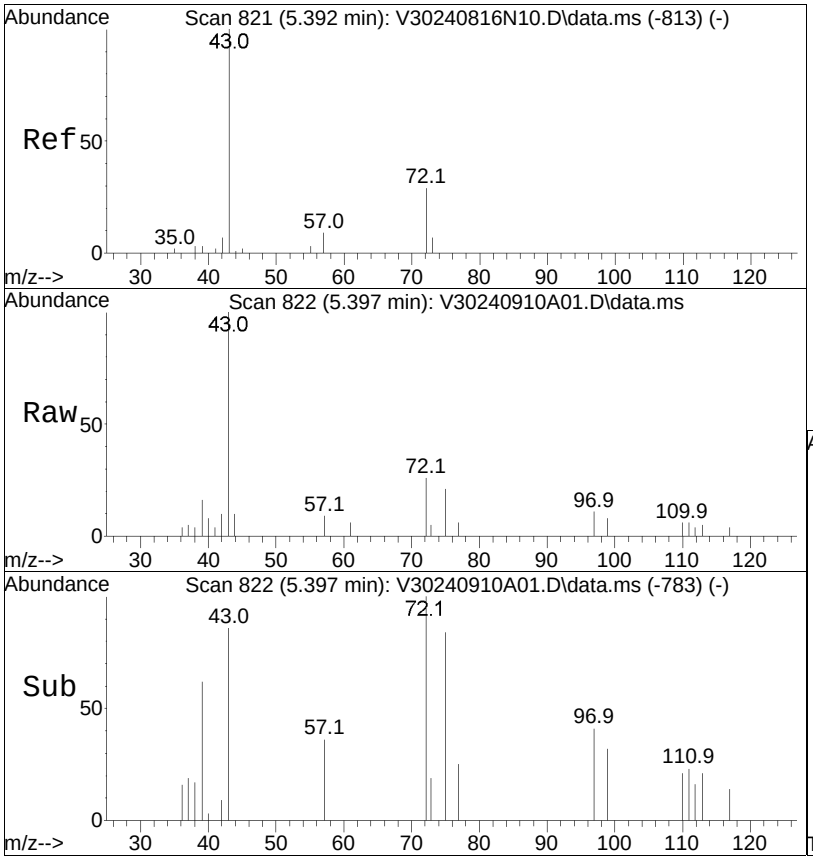


#40
1,1,1-Trichloroethane
Concen: 9.49 ug/L
RT: 5.308 min Scan# 805
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 97 Resp: 68974

Ion	Ratio	Lower	Upper
97	100		
99	64.7	40.6	84.4
61	45.8	35.0	72.8
63	14.9	11.1	23.0

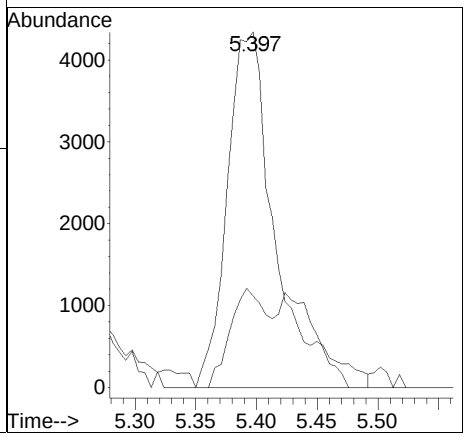


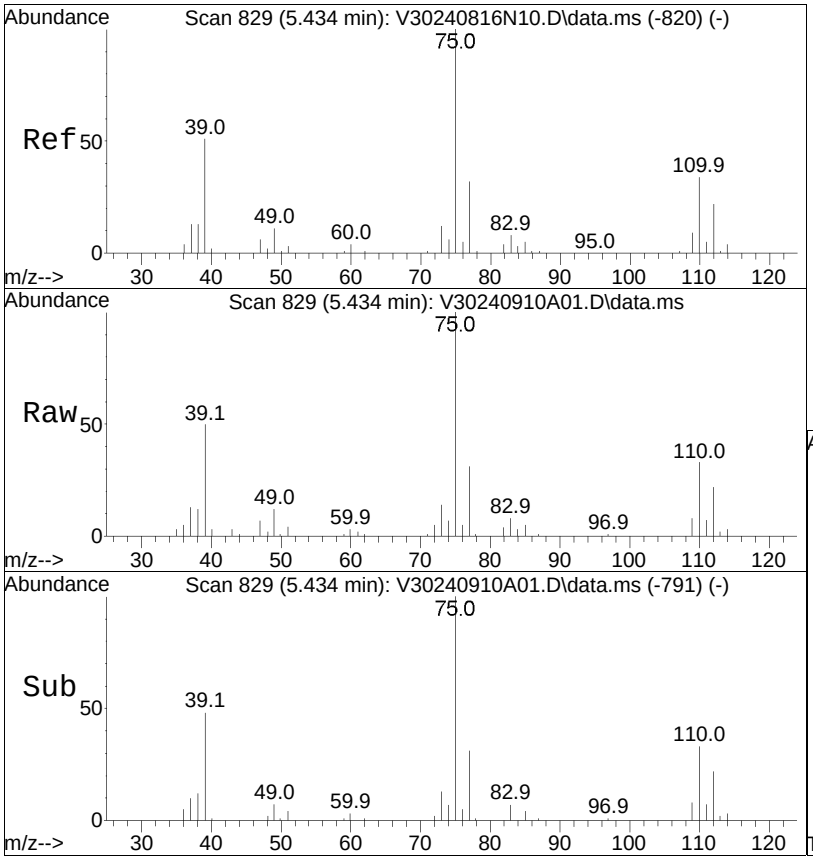


#42
2-Butanone
Concen: 10.75 ug/L
RT: 5.397 min Scan# 822
Delta R.T. 0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 43 Resp: 12025

Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.4

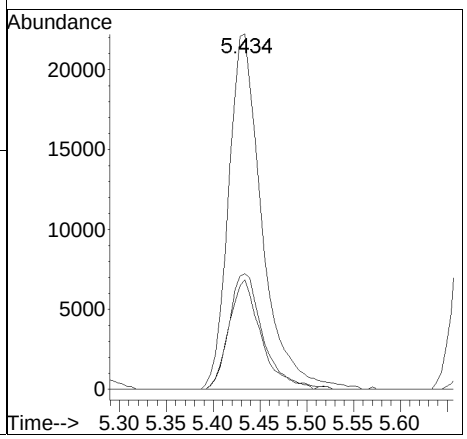


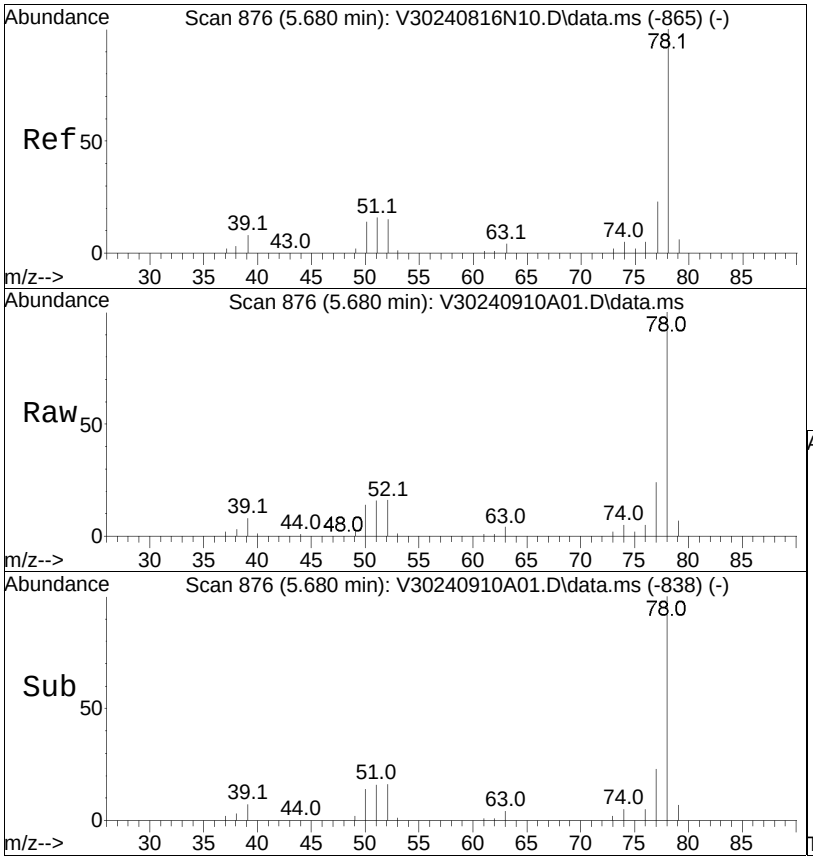


#43
1,1-Dichloropropene
Concen: 9.37 ug/L
RT: 5.434 min Scan# 829
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 75 Resp: 55278

Ion	Ratio	Lower	Upper
75	100		
110	32.8	19.4	40.4
77	30.2	19.7	40.9

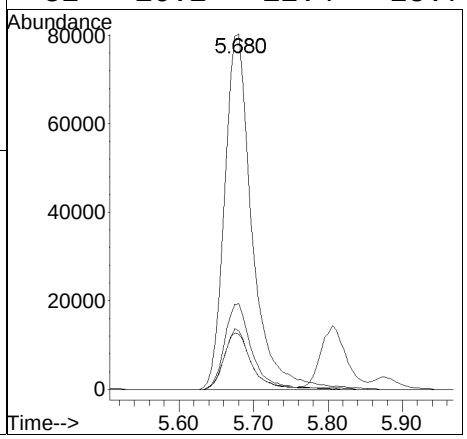


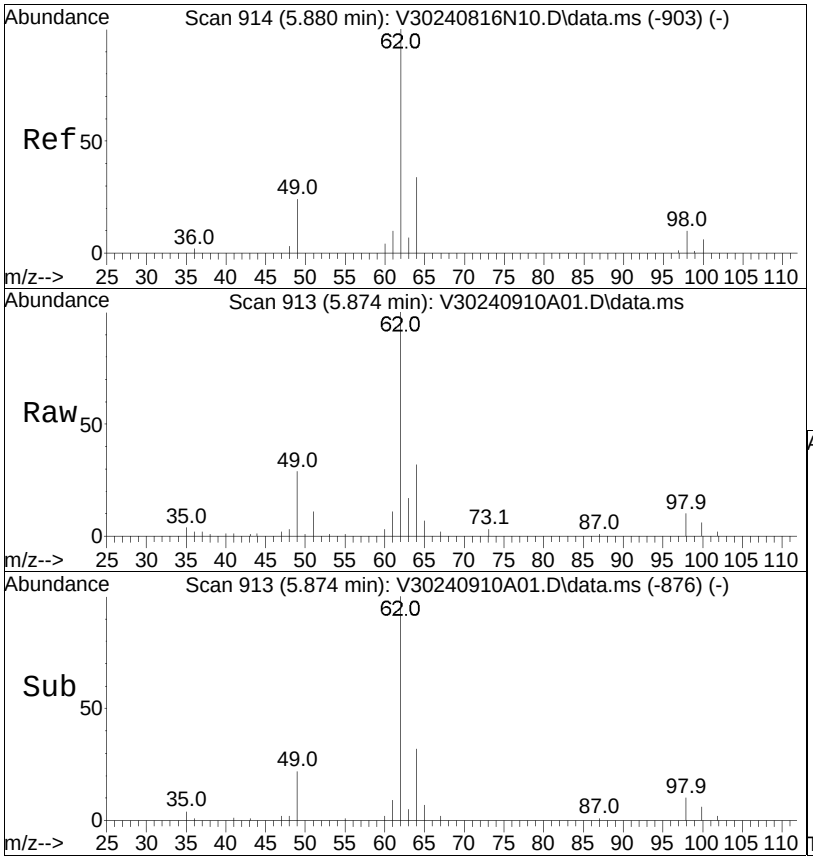


#45
Benzene
Concen: 11.04 ug/L
RT: 5.680 min Scan# 876
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 78 Resp: 206232

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.6	32.4
51	16.3	12.9	26.7
52	16.2	12.4	25.7

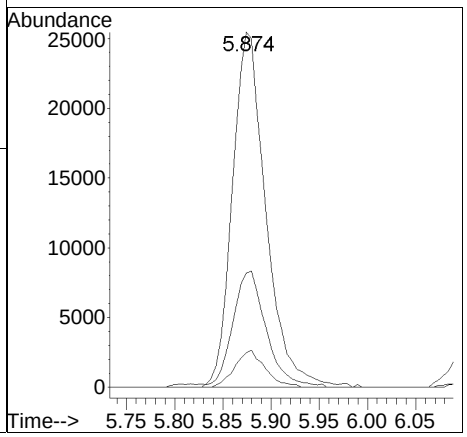


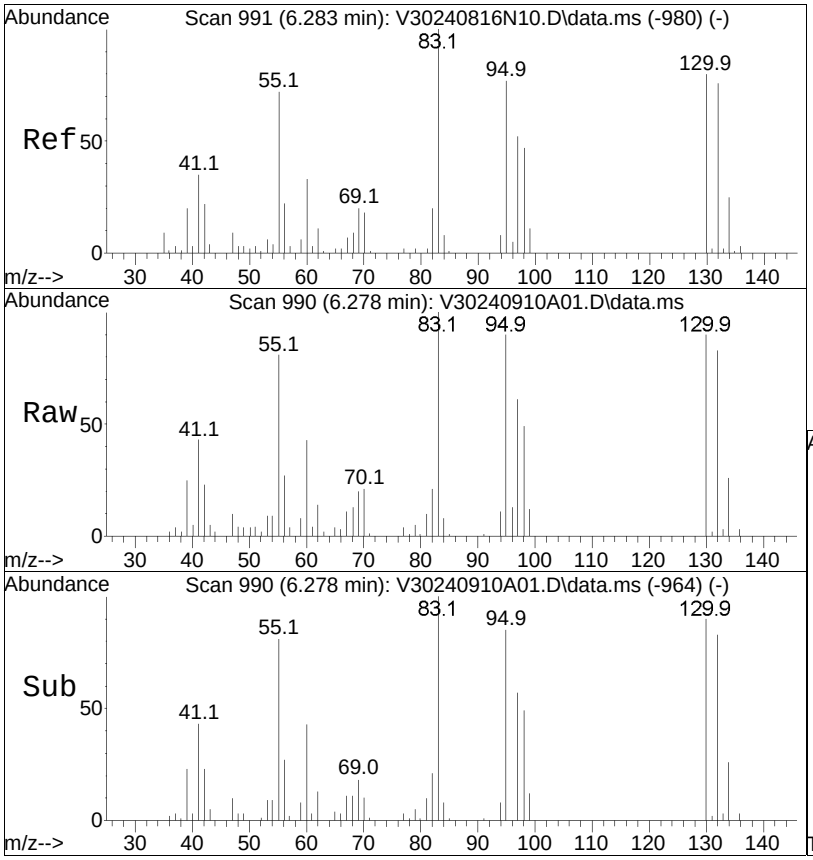


#48
1,2-Dichloroethane
Concen: 11.46 ug/L
RT: 5.874 min Scan# 913
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 62 Resp: 61635

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.5	38.3
98	9.5	5.5	8.3#

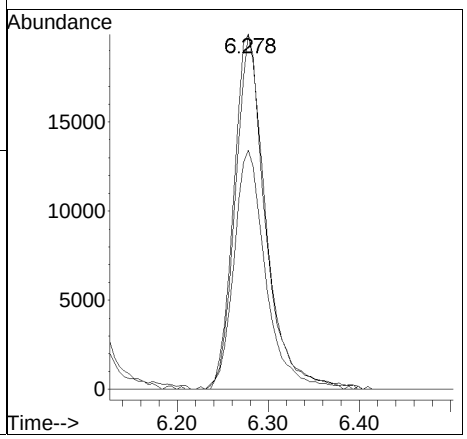


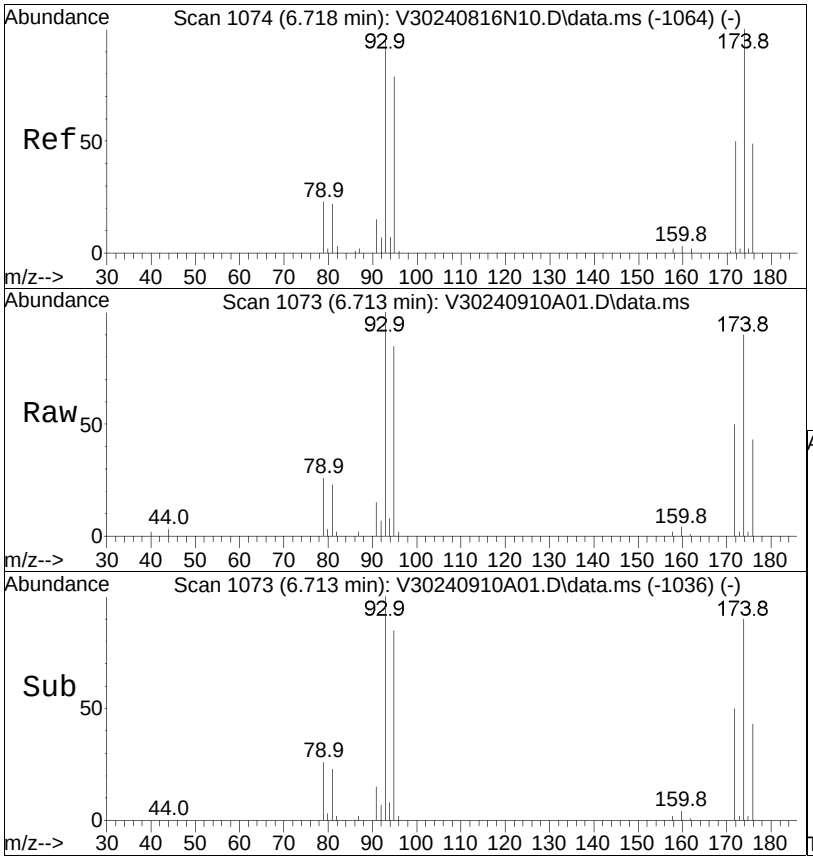


#52
Trichloroethene
Concen: 9.76 ug/L
RT: 6.278 min Scan# 990
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 95 Resp: 48664

Ion	Ratio	Lower	Upper
95	100		
97	67.1	53.8	80.6
130	96.3	71.4	107.0

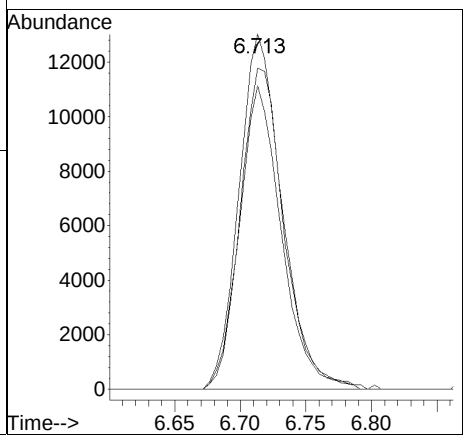


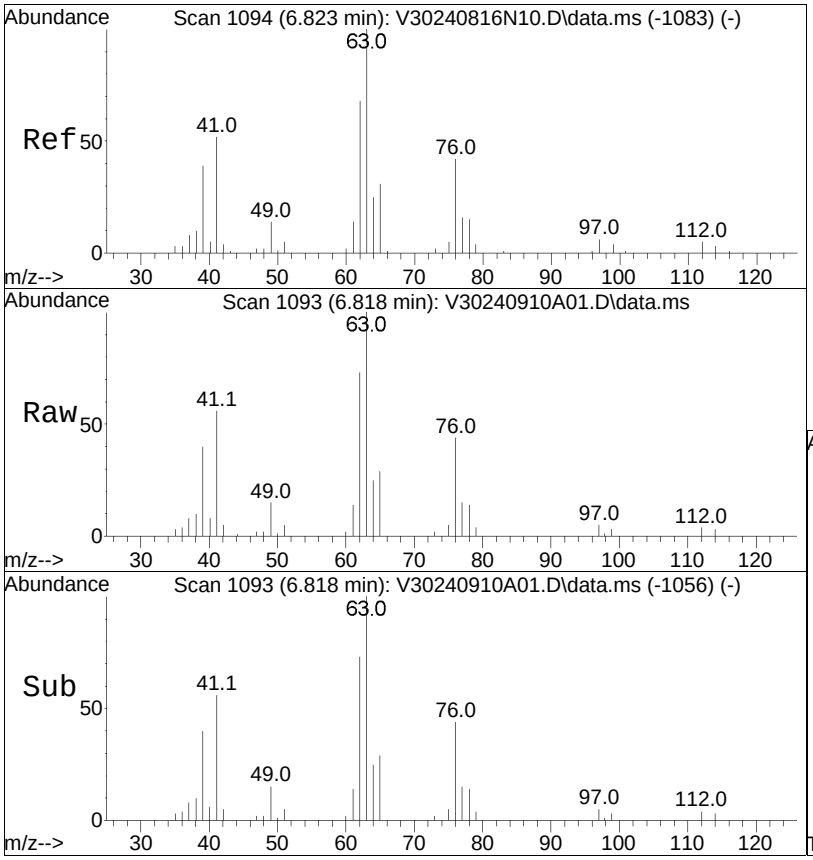


#54
Dibromomethane
Concen: 11.54 ug/L
RT: 6.713 min Scan# 1073
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 93 Resp: 29630

Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.9	100.3
174	93.2	66.4	99.6

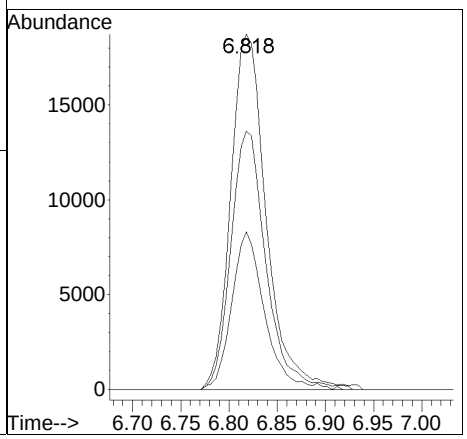


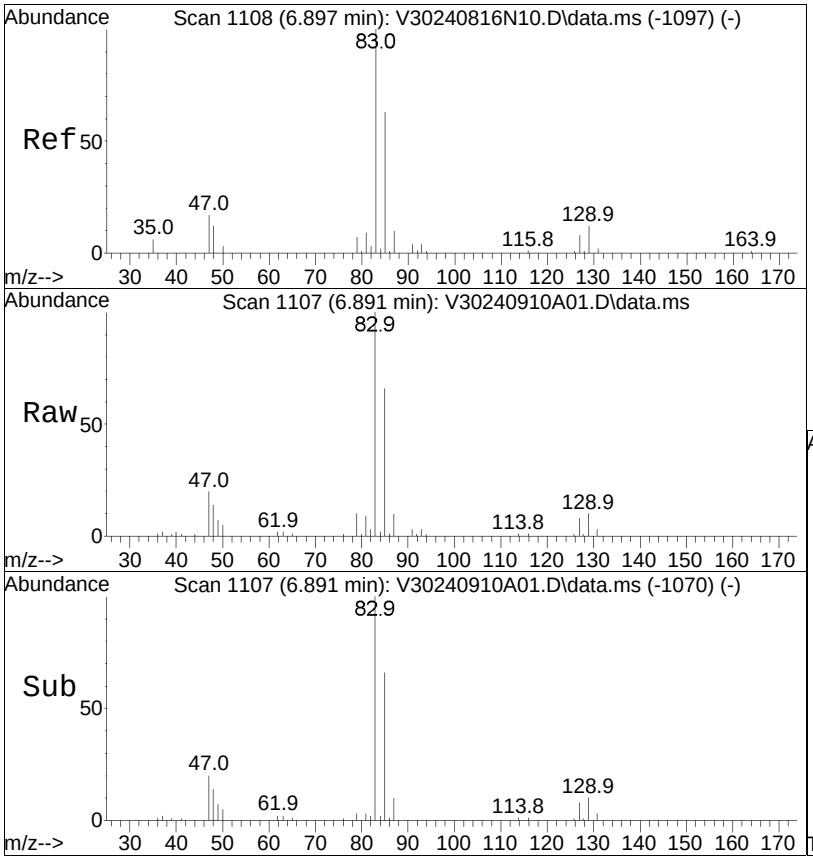


#55
1,2-Dichloropropane
Concen: 11.05 ug/L
RT: 6.818 min Scan# 1093
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 63 Resp: 48208

Ion	Ratio	Lower	Upper
63	100		
62	71.8	58.1	87.1
76	41.0	30.4	45.6

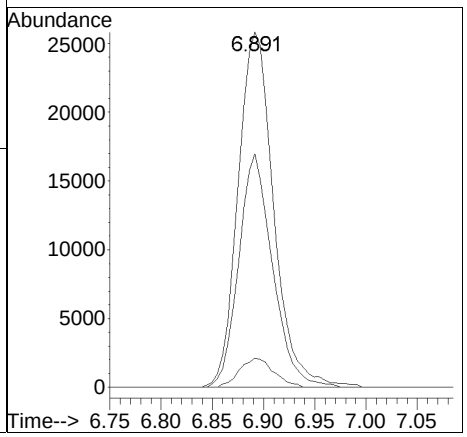


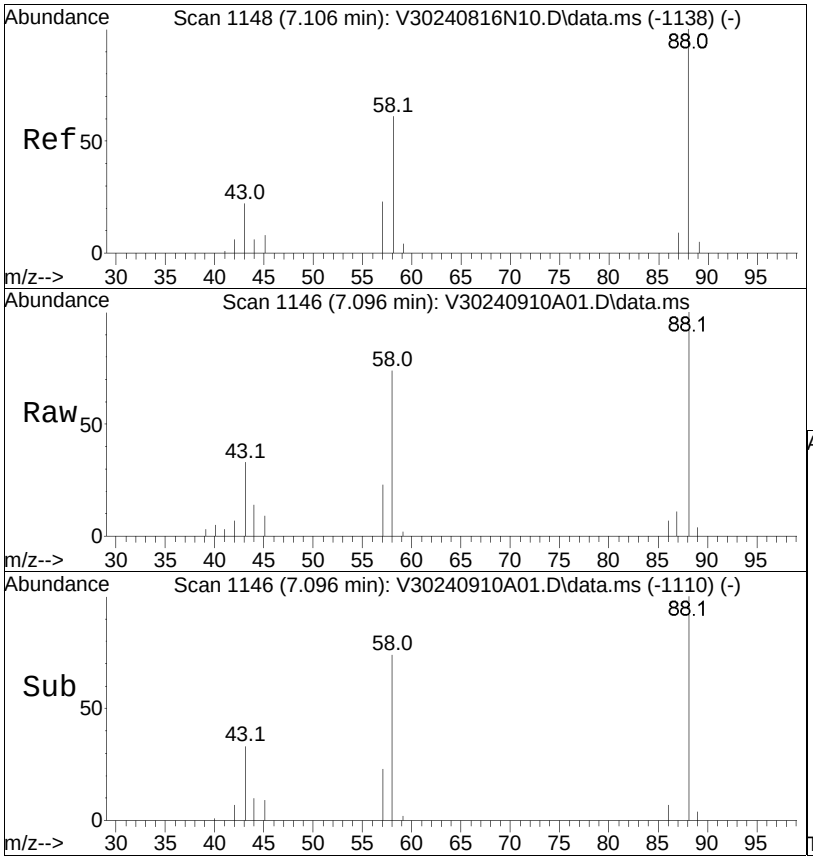


#58
Bromodichloromethane
Concen: 10.45 ug/L
RT: 6.891 min Scan# 1107
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 83 Resp: 62551

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.2	75.2
127	8.0	5.2	7.8#

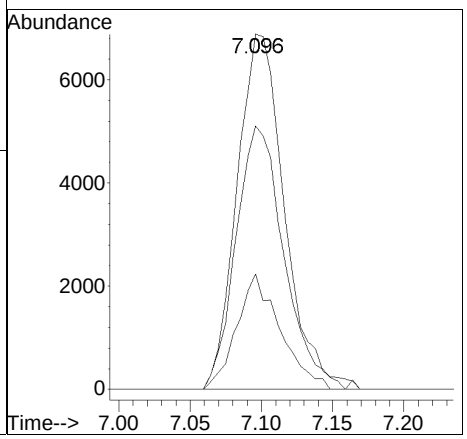


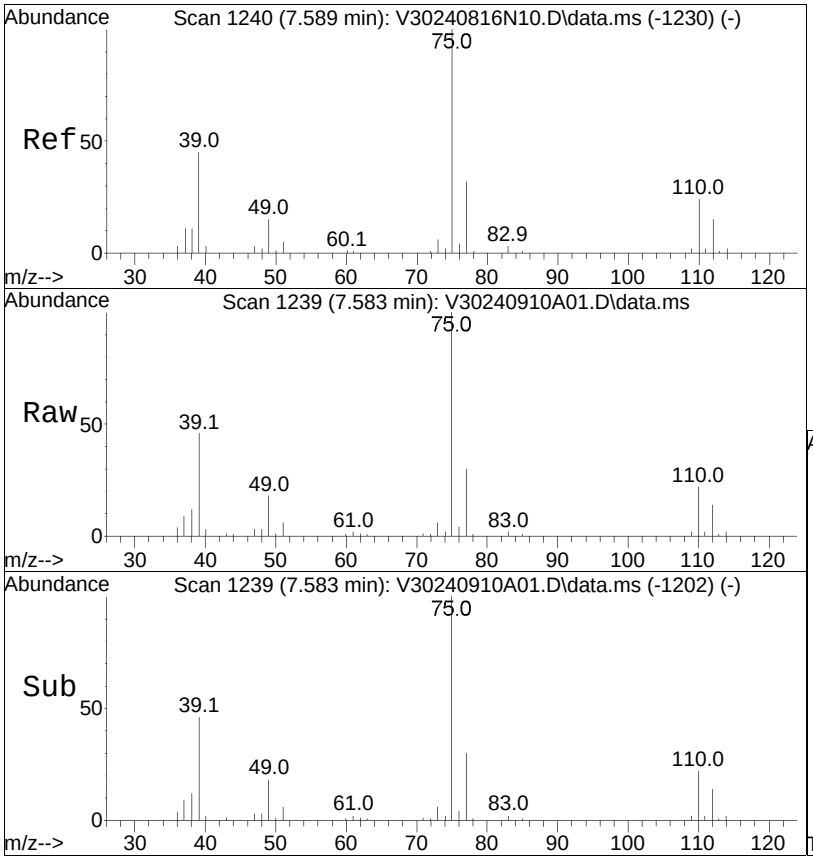


#61
1,4-Dioxane
Concen: 570.63 ug/L
RT: 7.096 min Scan# 1146
Delta R.T. -0.010 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 88 Resp: 15957

Ion	Ratio	Lower	Upper
88	100		
58	75.4	59.9	89.9
43	29.8	30.8	46.2#

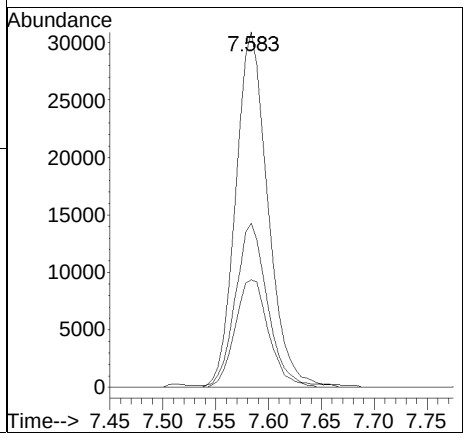


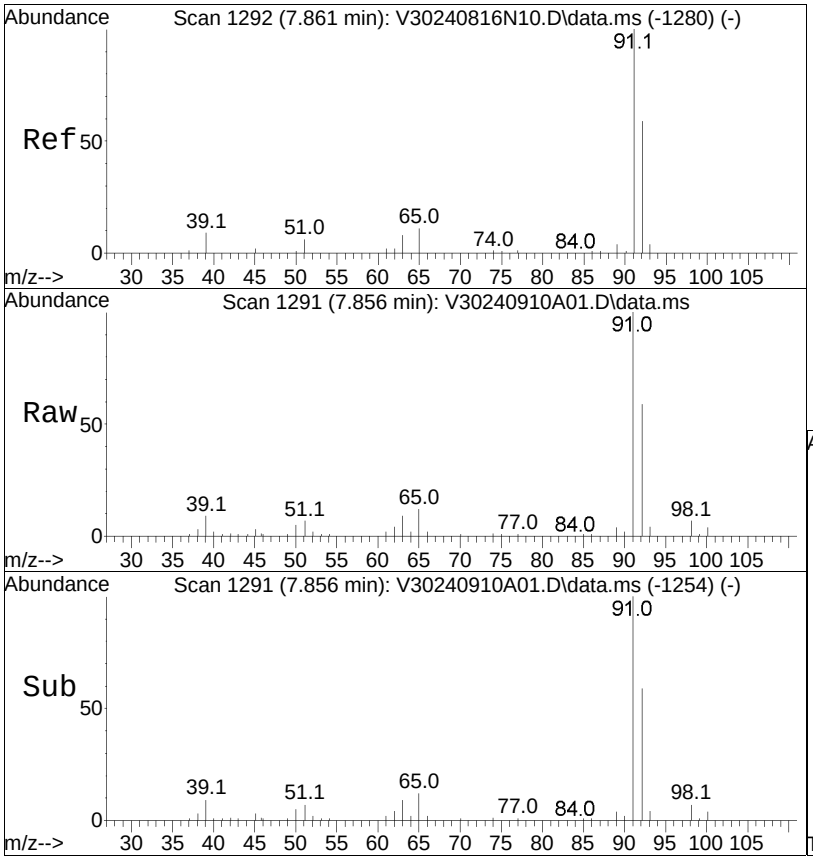


#62
cis-1,3-Dichloropropene
Concen: 9.75 ug/L
RT: 7.583 min Scan# 1239
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 75 Resp: 65865

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	46.3	54.6	82.0#

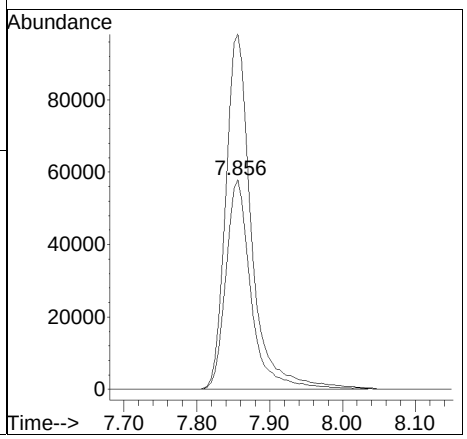


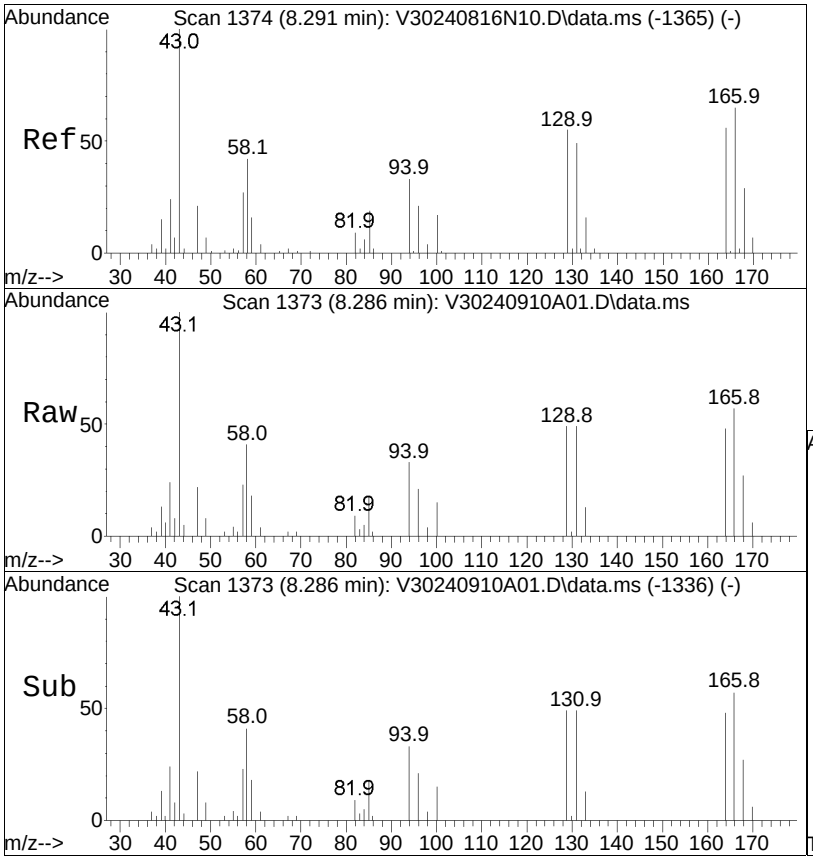


#65
Toluene
Concen: 11.62 ug/L
RT: 7.856 min Scan# 1291
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 92 Resp: 140616

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.5	206.3

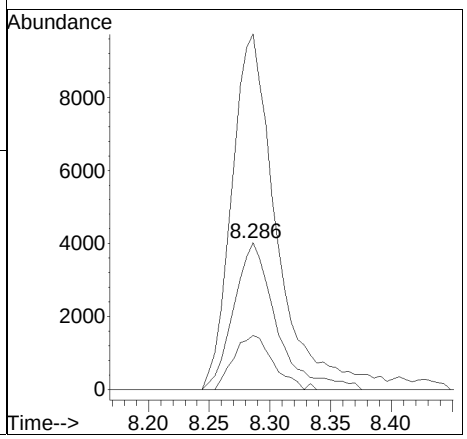


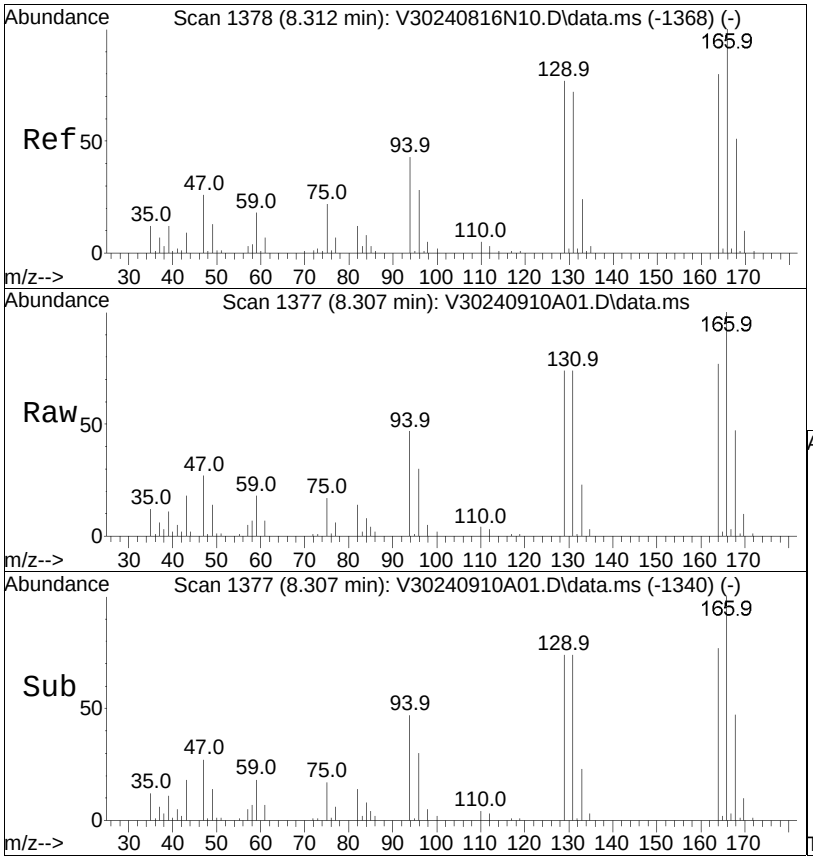


#66
4-Methyl-2-pentanone
Concen: 9.82 ug/L
RT: 8.286 min Scan# 1373
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 58 Resp: 9796

Ion	Ratio	Lower	Upper
58	100		
100	34.2	22.6	34.0#
43	257.4	234.6	351.8

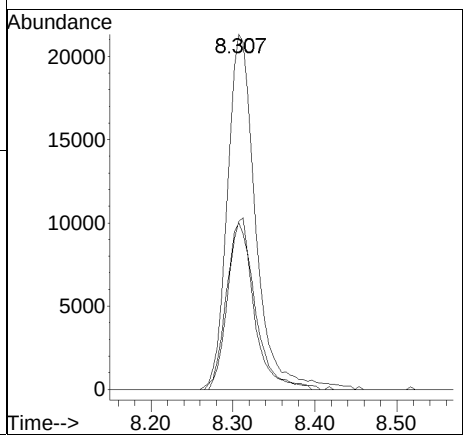


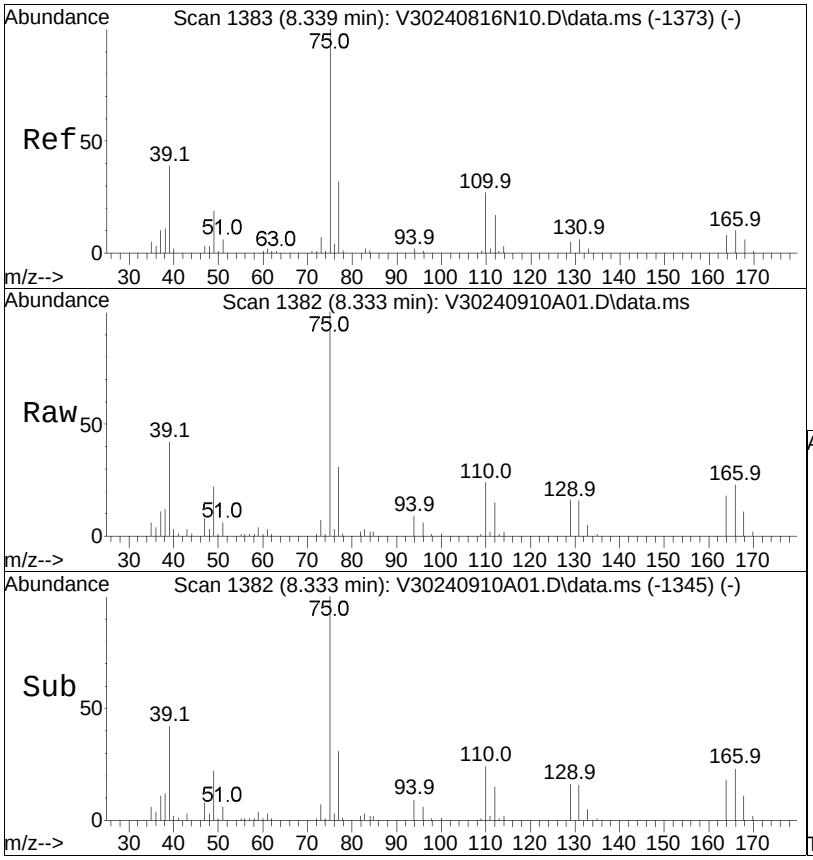


#67
Tetrachloroethene
Concen: 10.72 ug/L
RT: 8.307 min Scan# 1377
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:166 Resp: 51430

Ion	Ratio	Lower	Upper
166	100		
168	47.1	38.6	58.0
94	46.0	42.6	63.8

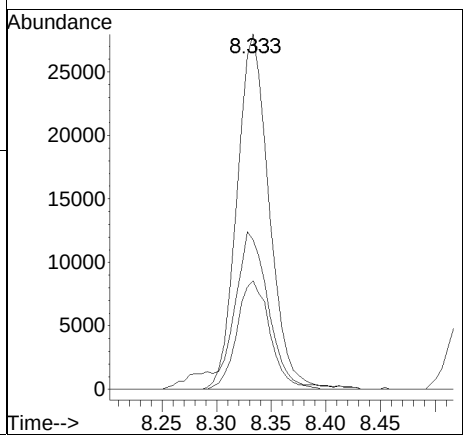


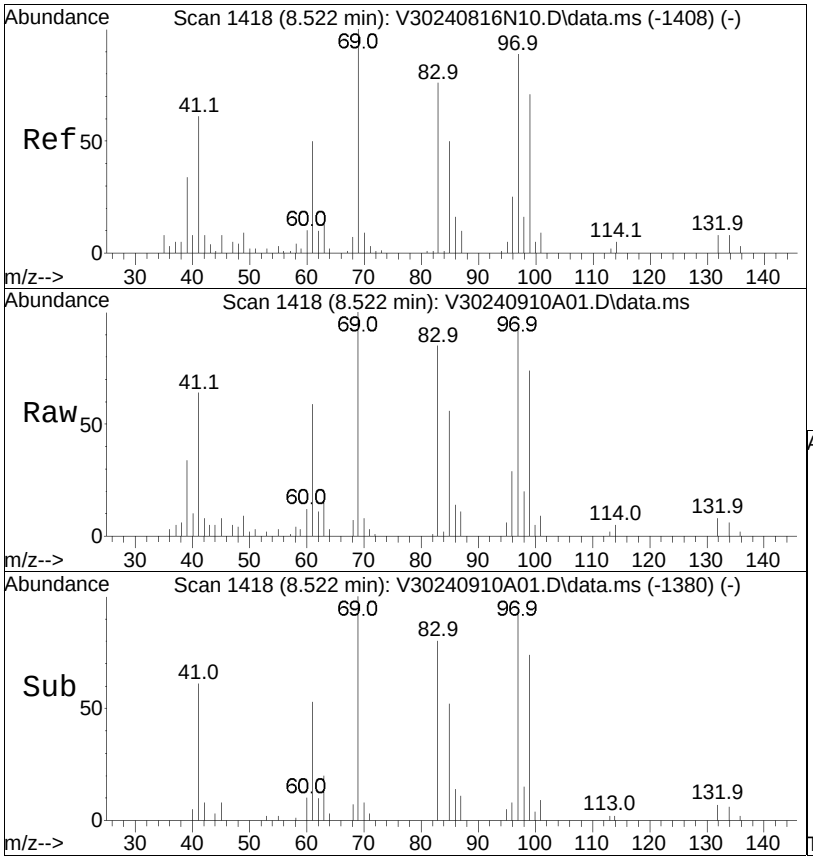


#69
trans-1,3-Dichloropropene
Concen: 10.82 ug/L
RT: 8.333 min Scan# 1382
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 75 Resp: 57620

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	50.2	60.2	90.4#

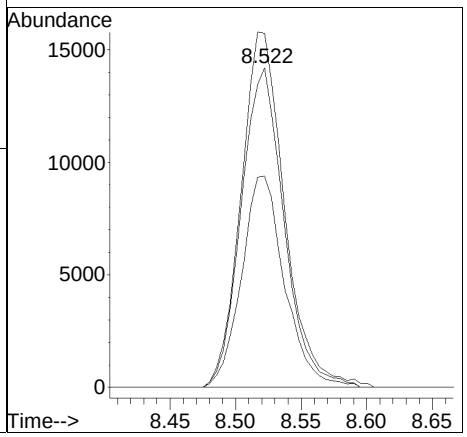


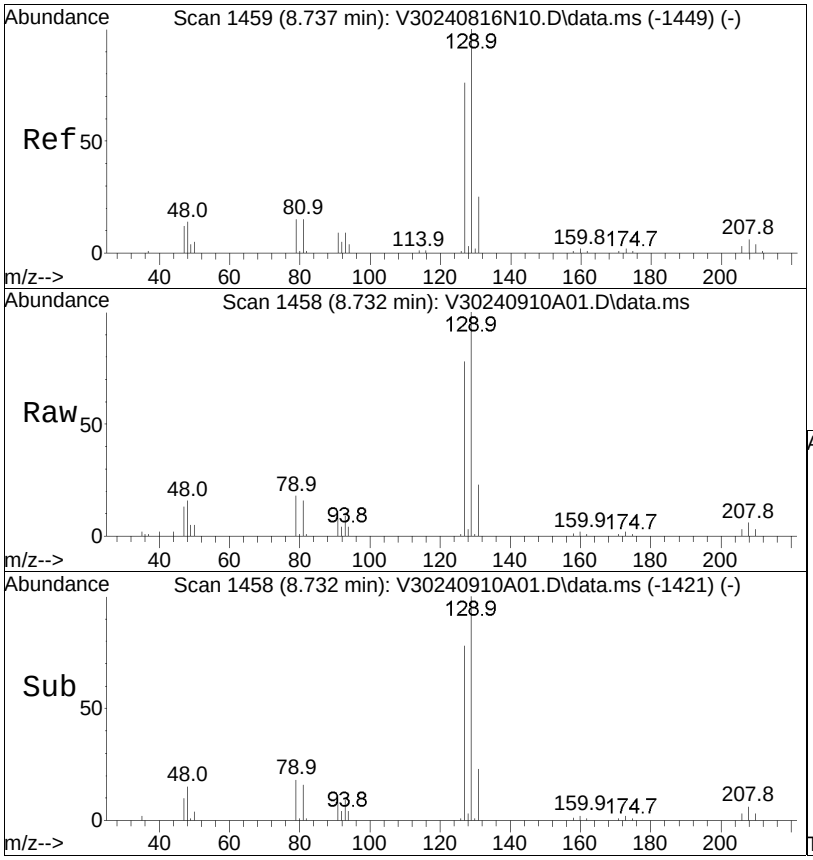


#72
1,1,2-Trichloroethane
Concen: 11.95 ug/L
RT: 8.522 min Scan# 1418
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 83 Resp: 32348

Ion	Ratio	Lower	Upper
83	100		
97	113.0	87.7	131.5
85	66.5	53.1	79.7

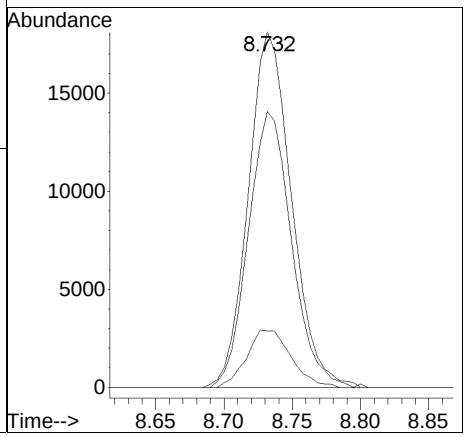


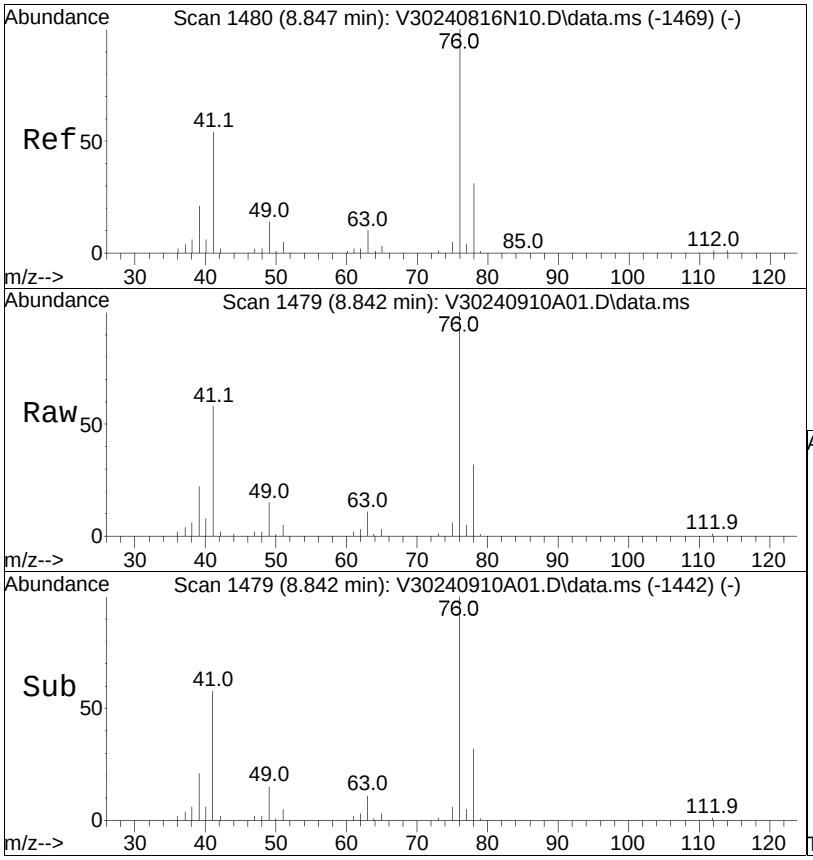


#73
Chlorodibromomethane
Concen: 10.72 ug/L
RT: 8.732 min Scan# 1458
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:129 Resp: 39868

Ion	Ratio	Lower	Upper
129	100		
81	16.6	14.6	22.0
127	77.8	62.6	93.8

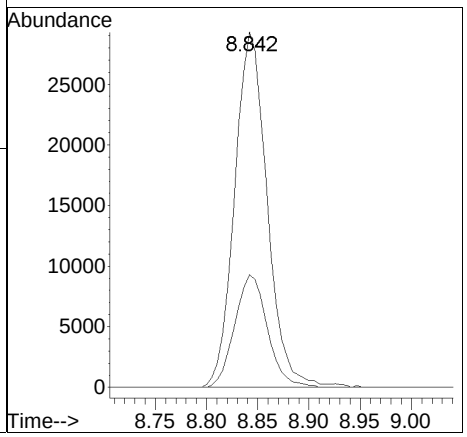


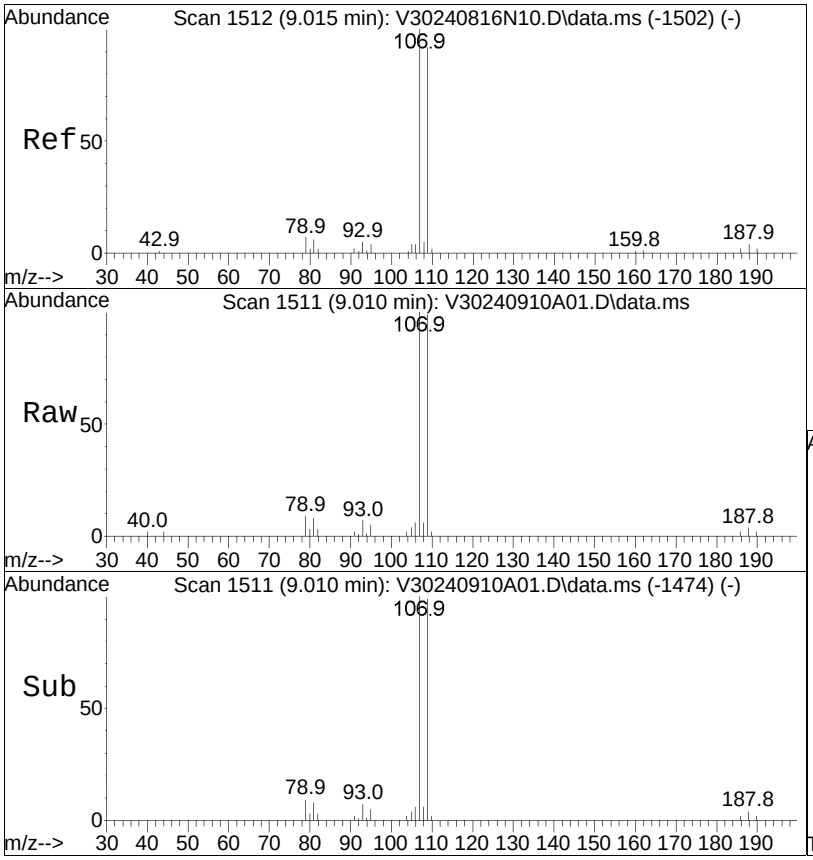


#74
1,3-Dichloropropane
Concen: 11.72 ug/L
RT: 8.842 min Scan# 1479
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 76 Resp: 64900

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

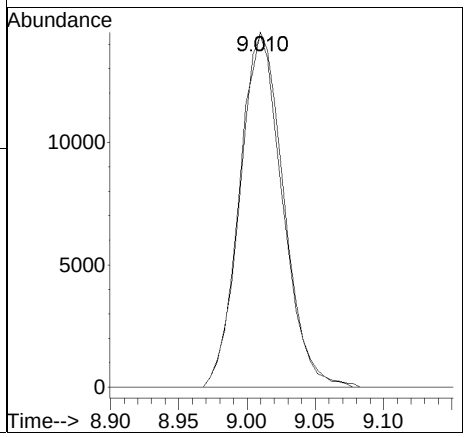


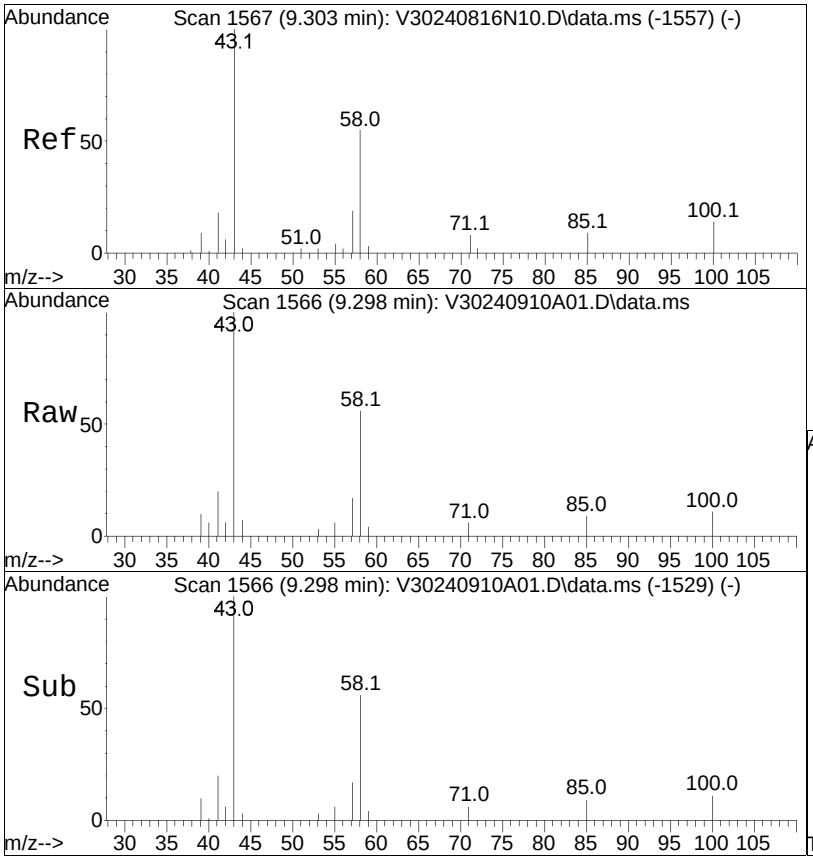


#75
1,2-Dibromoethane
Concen: 11.98 ug/L
RT: 9.010 min Scan# 1511
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:107 Resp: 32472

Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.0	112.4

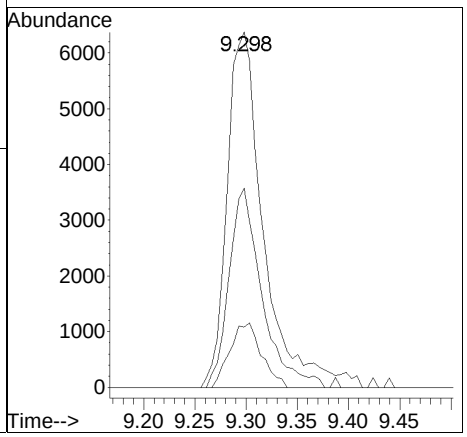


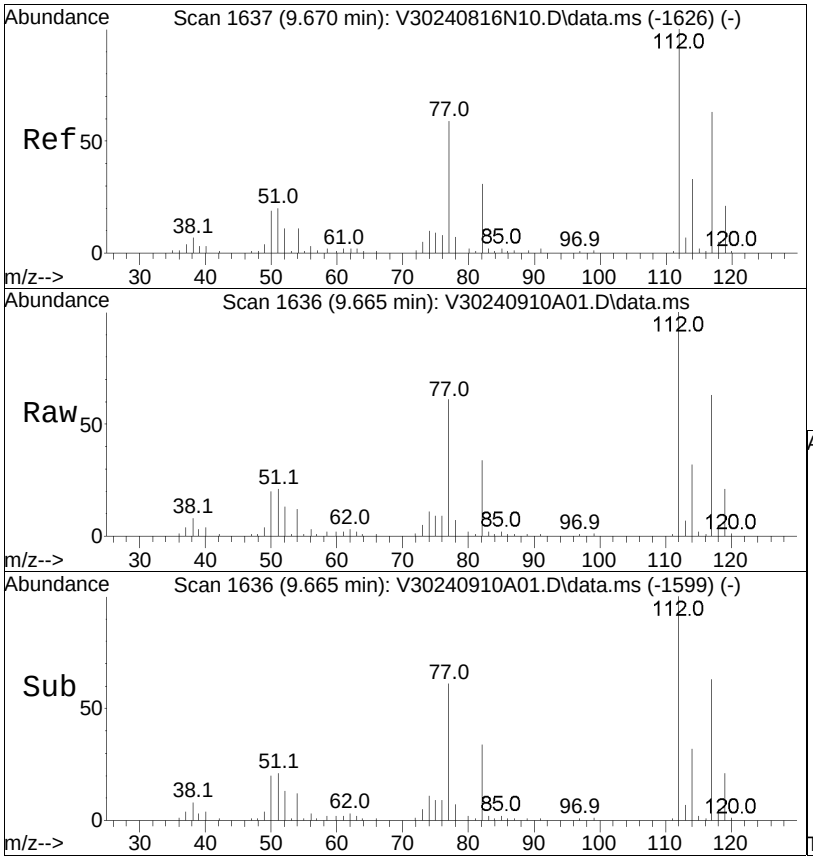


#77
2-Hexanone
Concen: 9.75 ug/L
RT: 9.298 min Scan# 1566
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 43 Resp: 15822

Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.6	58.0
57	15.7	14.1	21.1

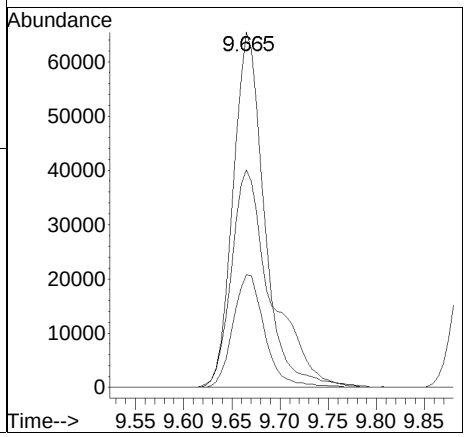


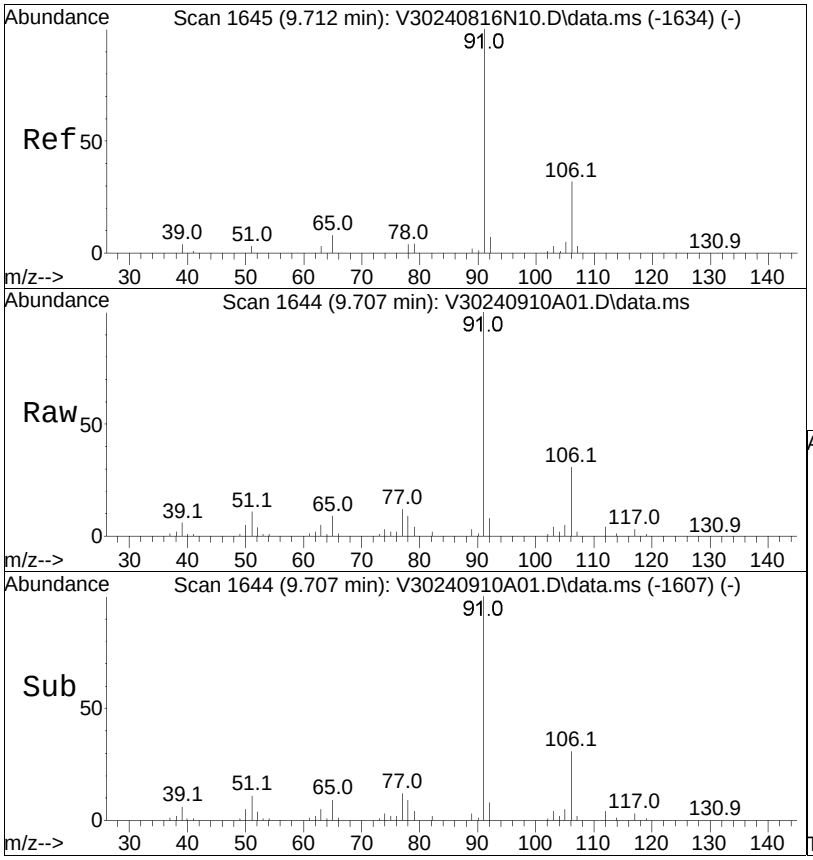


#78
Chlorobenzene
Concen: 10.98 ug/L
RT: 9.665 min Scan# 1636
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:112 Resp: 147478

Ion	Ratio	Lower	Upper
112	100		
77	79.0	54.8	82.2
114	32.3	25.4	38.0

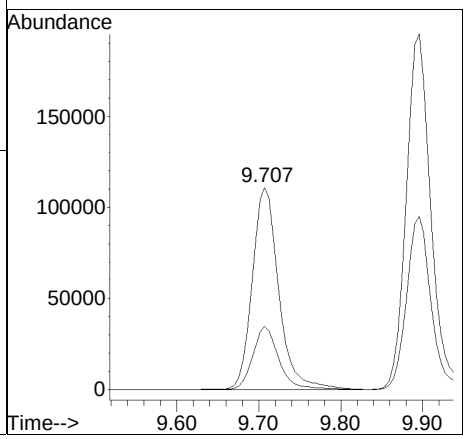


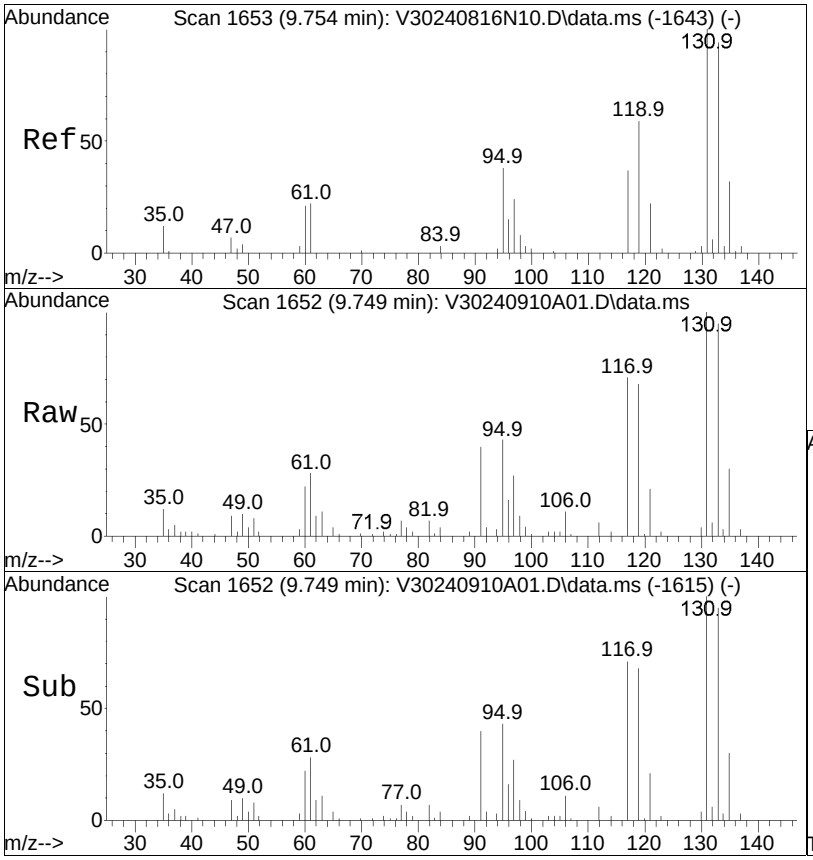


#79
Ethylbenzene
Concen: 10.94 ug/L
RT: 9.707 min Scan# 1644
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 91 Resp: 248779

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.4	35.2

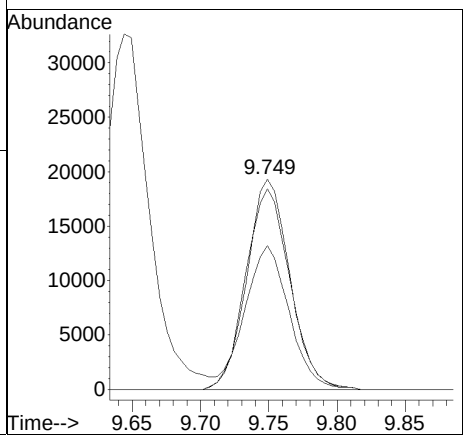


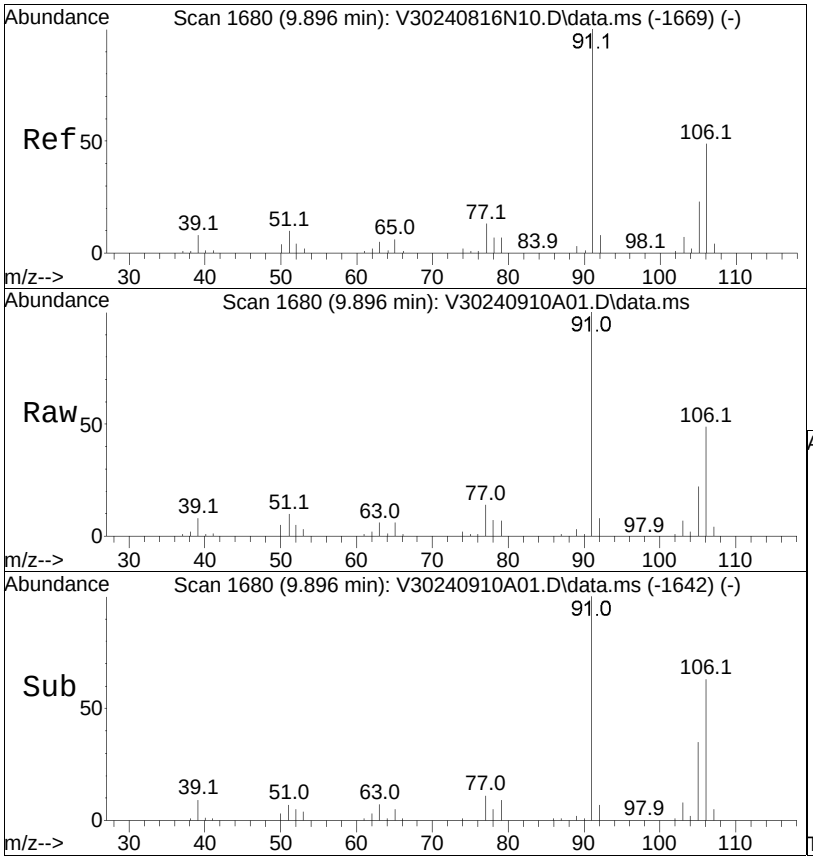


#80
1,1,1,2-Tetrachloroethane
Concen: 11.15 ug/L
RT: 9.749 min Scan# 1652
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:131 Resp: 42934

Ion	Ratio	Lower	Upper
131	100		
133	95.4	76.0	114.0
119	69.8	54.7	82.1

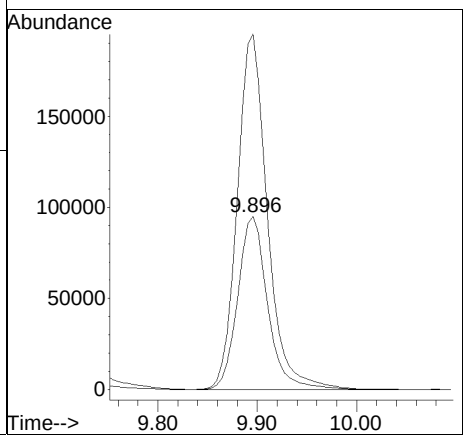


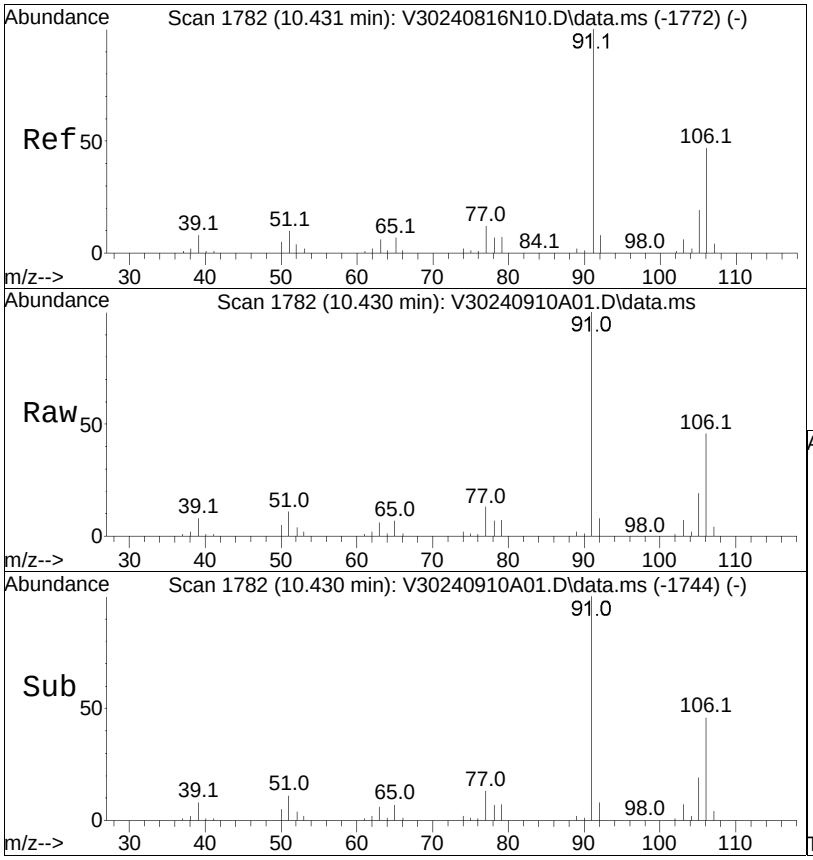


#81
p/m Xylene
Concen: 21.93 ug/L
RT: 9.896 min Scan# 1680
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:106 Resp: 198874

Ion	Ratio	Lower	Upper
106	100		
91	206.2	171.4	257.2

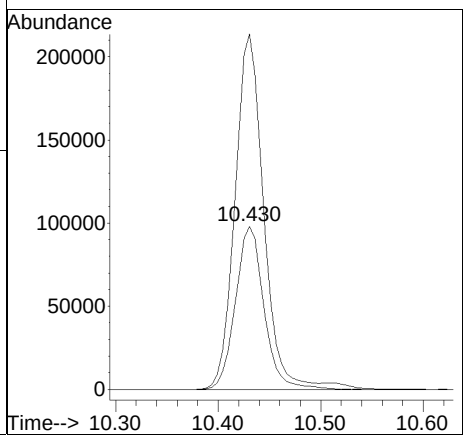


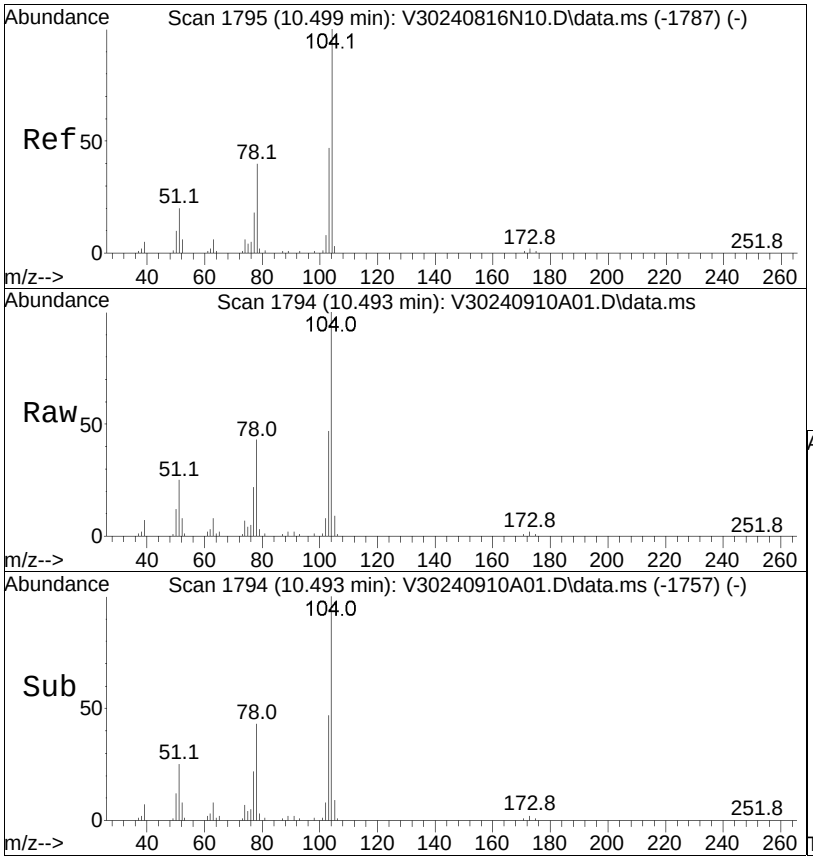


#82
o Xylene
Concen: 21.73 ug/L
RT: 10.430 min Scan# 1782
Delta R.T. -0.001 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:106 Resp: 189900

Ion	Ratio	Lower	Upper
106	100		
91	216.7	179.2	268.8

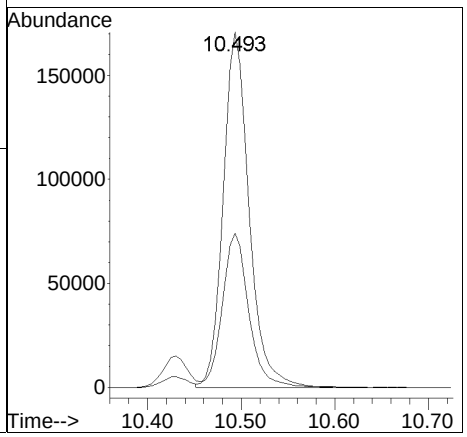


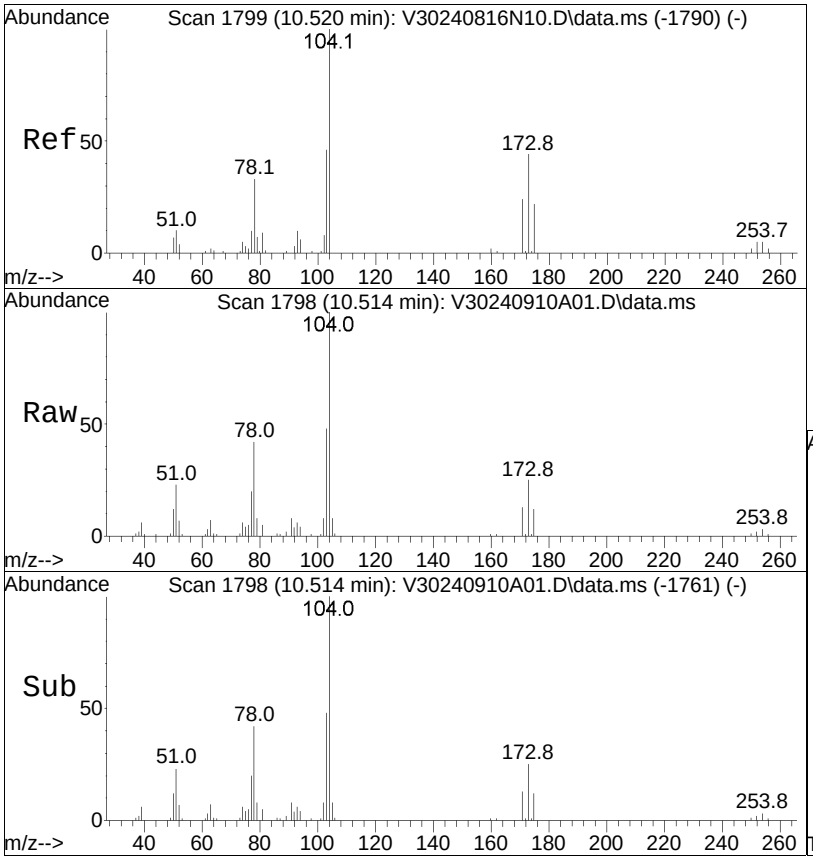


#83
Styrene
Concen: 22.78 ug/L
RT: 10.493 min Scan# 1794
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:104 Resp: 328204

Ion	Ratio	Lower	Upper
104	100		
78	44.2	38.1	57.1

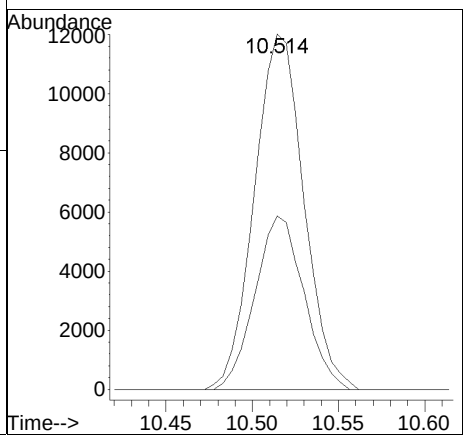


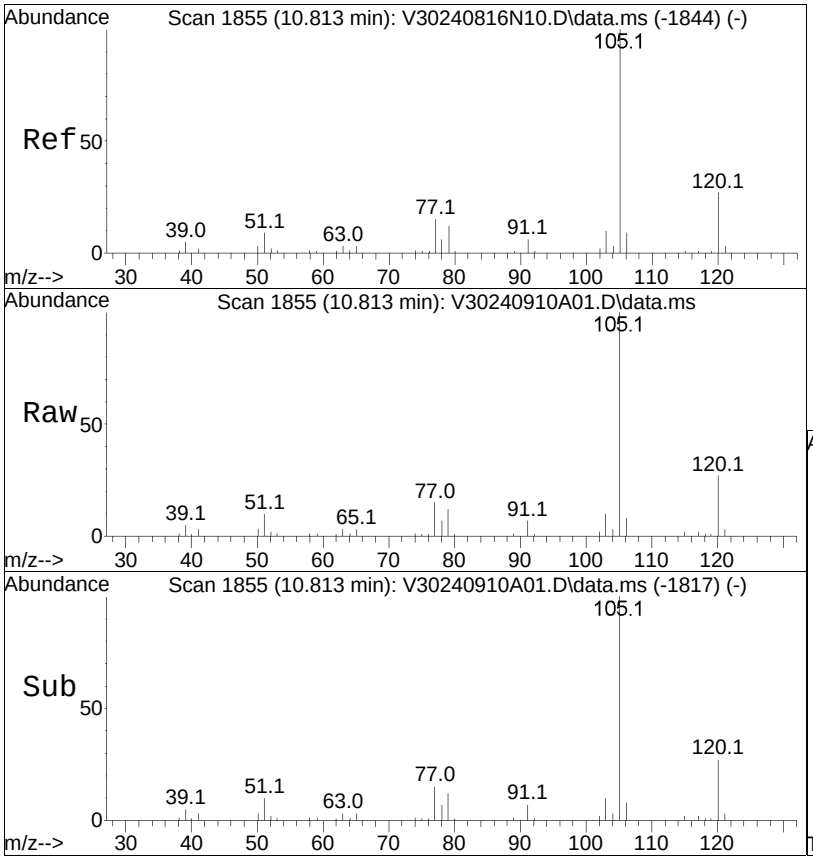


#85
Bromoform
Concen: 10.42 ug/L
RT: 10.514 min Scan# 1798
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:173 Resp: 23935

Ion	Ratio	Lower	Upper
173	100		
175	48.2	37.8	56.6

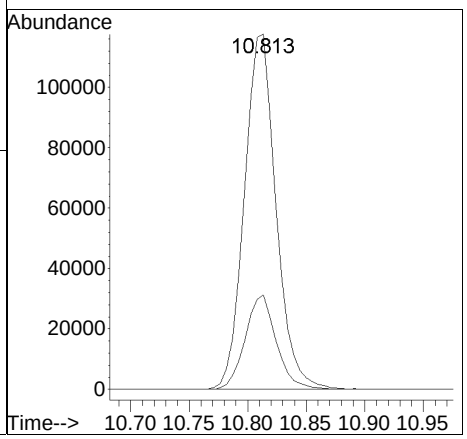


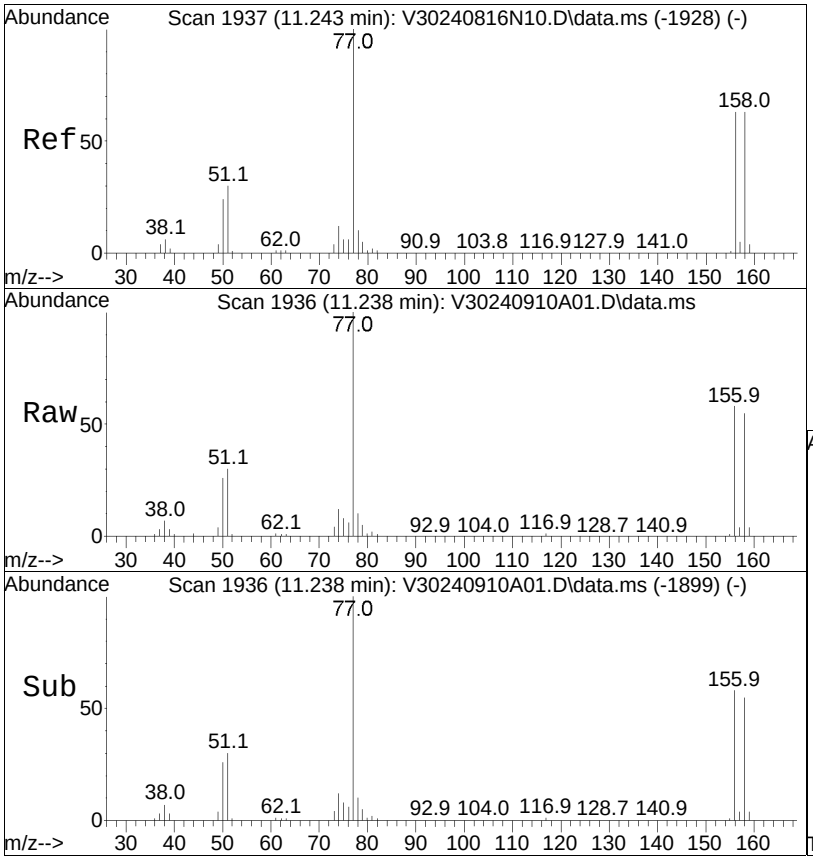


#87
Isopropylbenzene
Concen: 9.90 ug/L
RT: 10.813 min Scan# 1855
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:105 Resp: 221305

Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.0	30.0

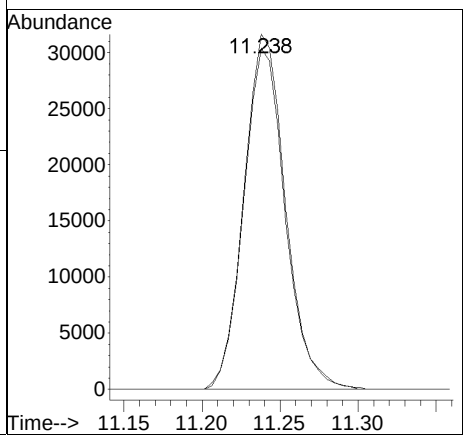


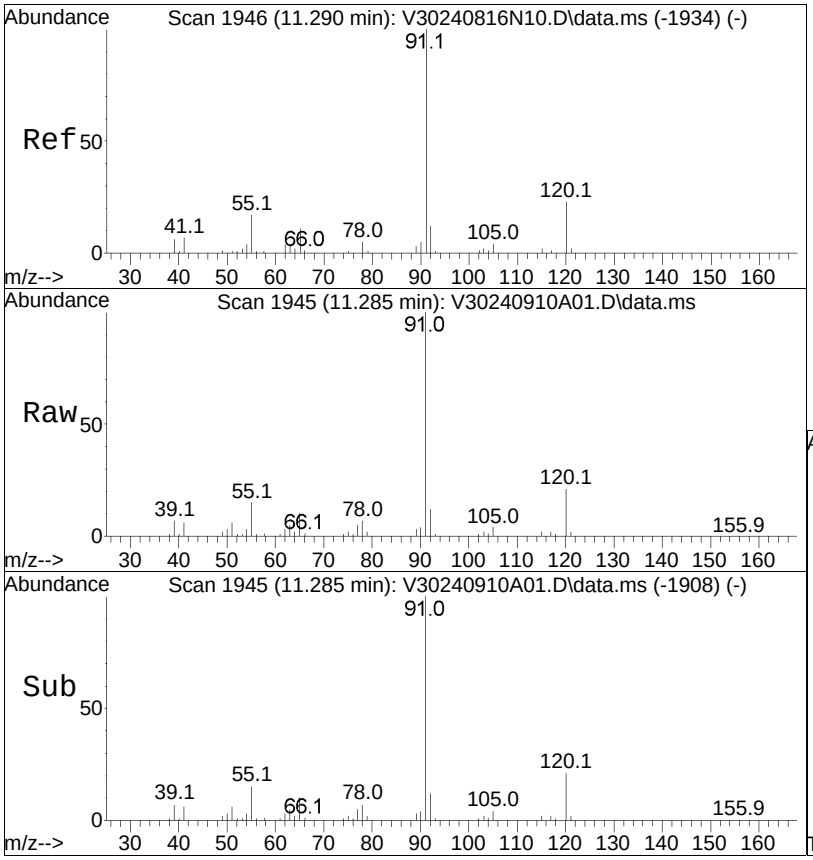


#89
Bromobenzene
Concen: 10.05 ug/L
RT: 11.238 min Scan# 1936
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:156 Resp: 58780

Ion	Ratio	Lower	Upper
156	100		
158	95.6	78.3	117.5

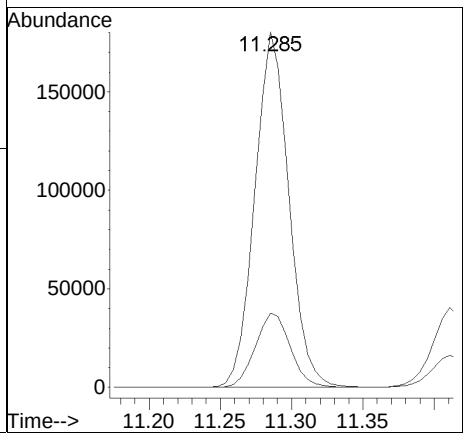


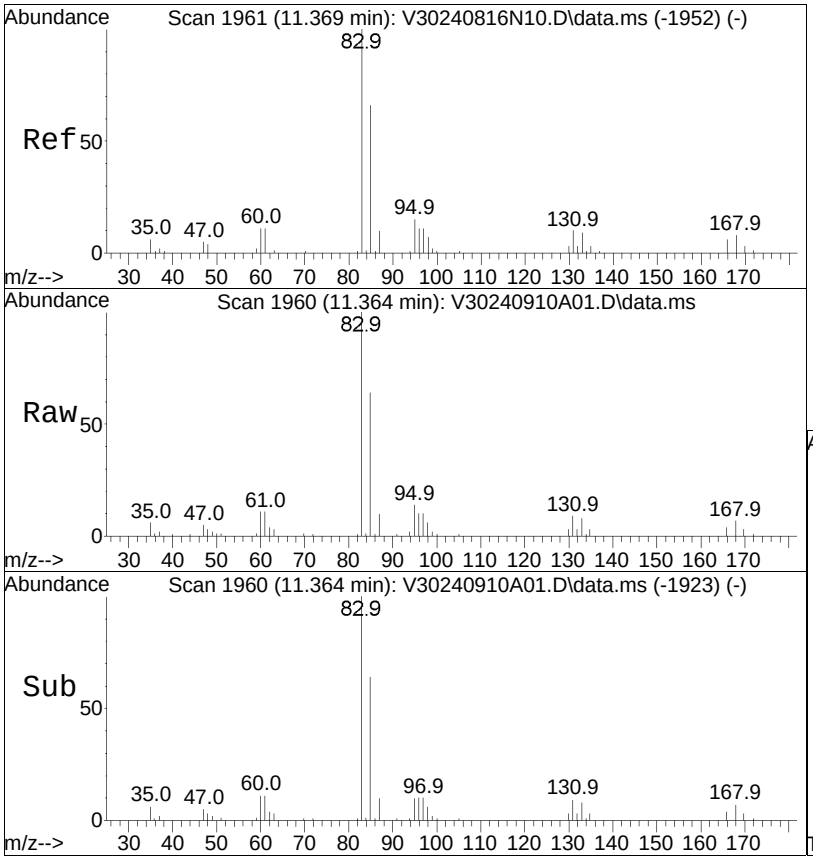


#90
n-Propylbenzene
Concen: 11.12 ug/L
RT: 11.285 min Scan# 1945
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 91 Resp: 299132

Ion	Ratio	Lower	Upper
91	100		
120	21.5	16.3	24.5

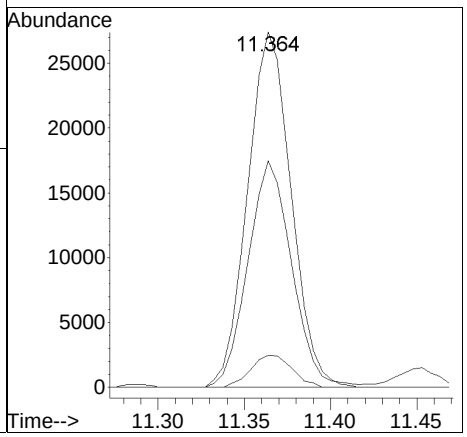


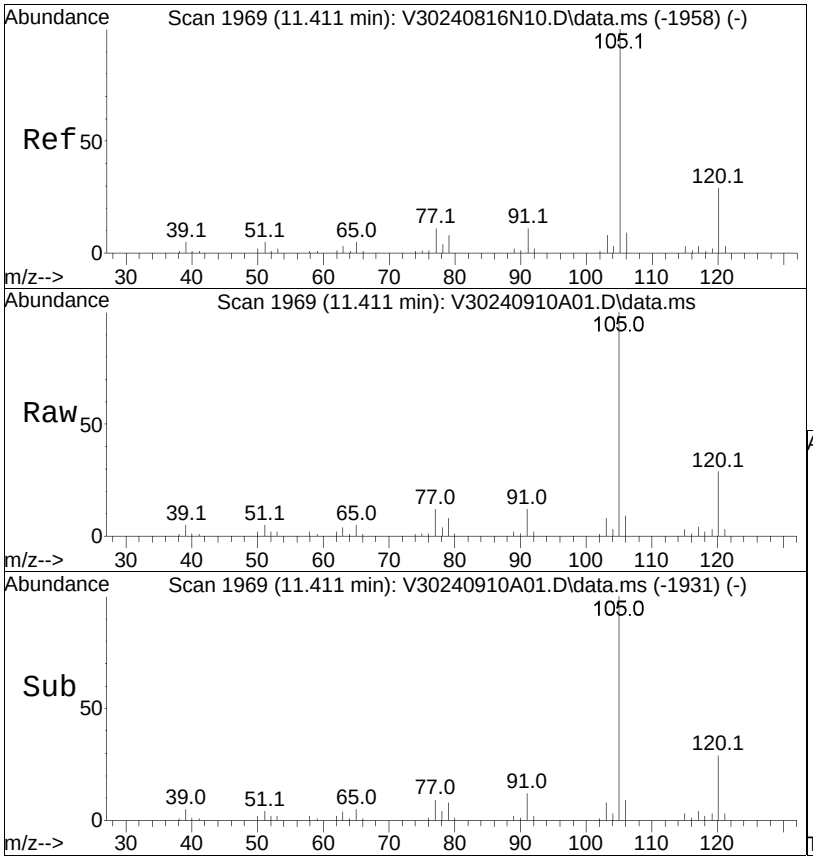


#92
1,1,2,2-Tetrachloroethane
Concen: 12.02 ug/L
RT: 11.364 min Scan# 1960
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 83 Resp: 48124

Ion	Ratio	Lower	Upper
83	100		
131	8.7	6.6	10.0
85	64.2	51.8	77.6

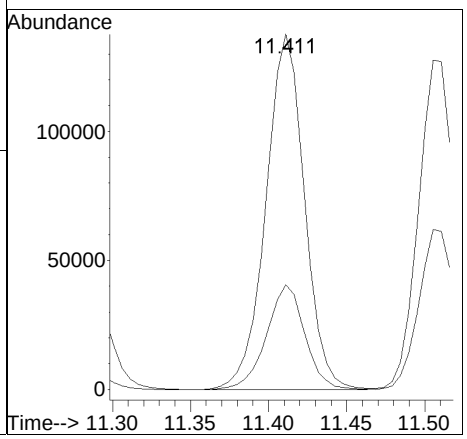


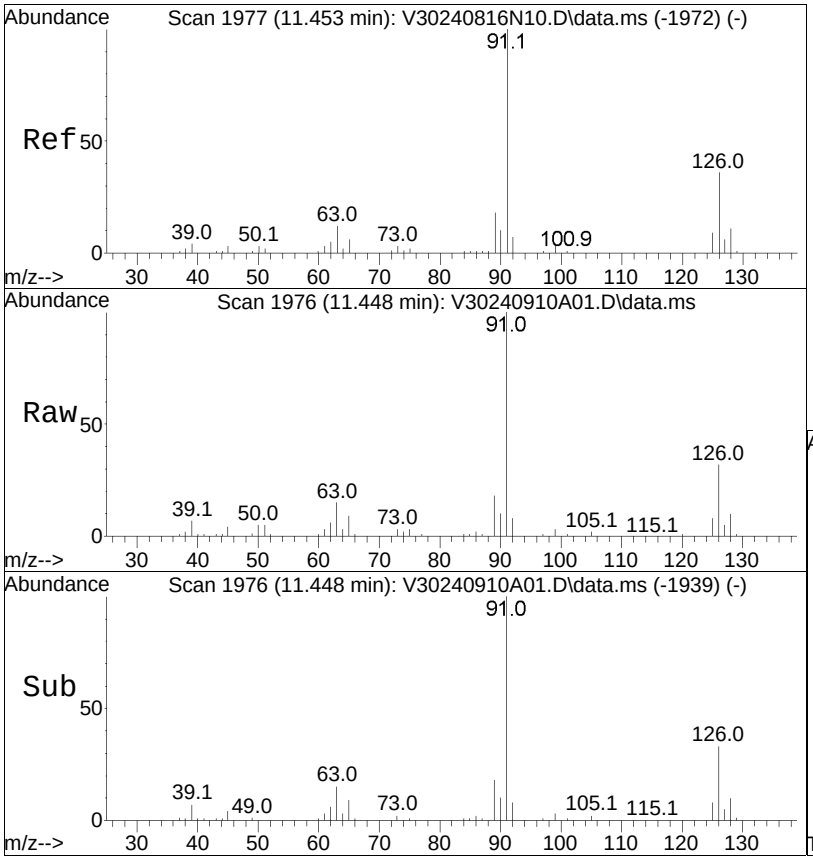


#93
4-Ethyltoluene
Concen: 10.44 ug/L
RT: 11.411 min Scan# 1969
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:105 Resp: 236061

Ion	Ratio	Lower	Upper
105	100		
120	29.2	18.5	38.3

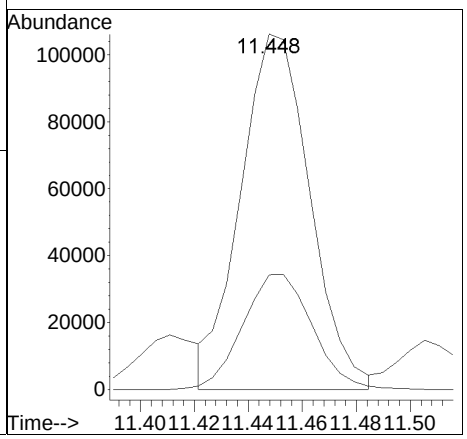


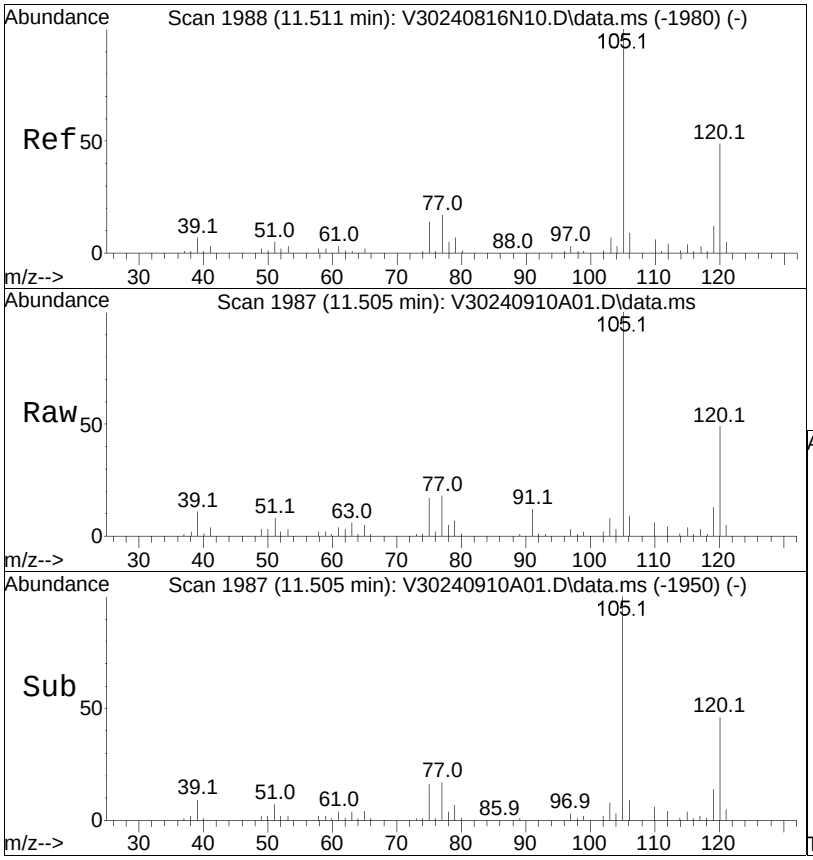


#94
2-Chlorotoluene
Concen: 11.34 ug/L M1
RT: 11.448 min Scan# 1976
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 91 Resp: 189399

Ion	Ratio	Lower	Upper
91	100		
126	32.5	20.6	31.0#

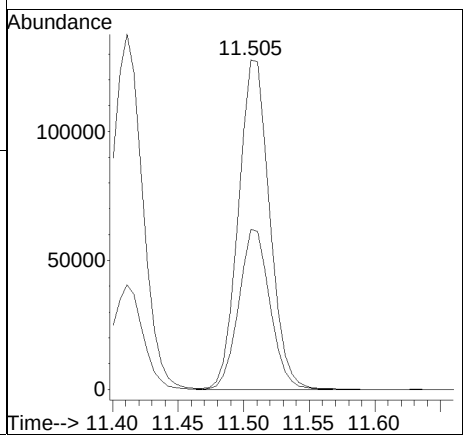


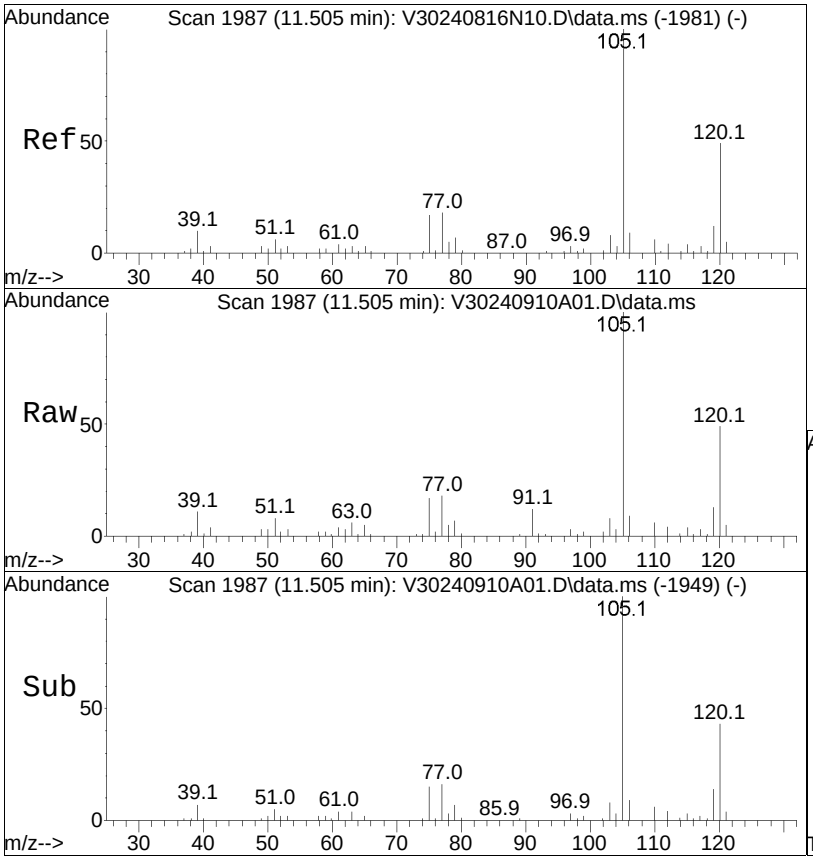


#95
1,3,5-Trimethylbenzene
Concen: 10.57 ug/L
RT: 11.505 min Scan# 1987
Delta R.T. -0.006 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:105 Resp: 211726

Ion	Ratio	Lower	Upper
105	100		
120	48.4	37.8	56.6

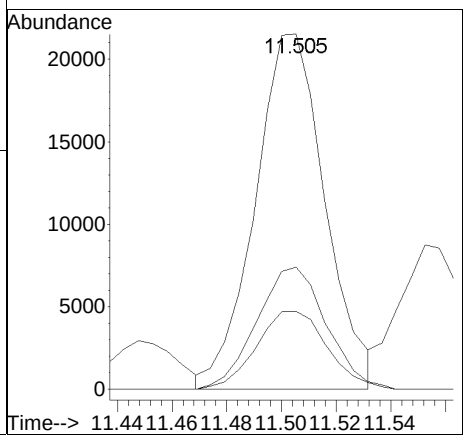


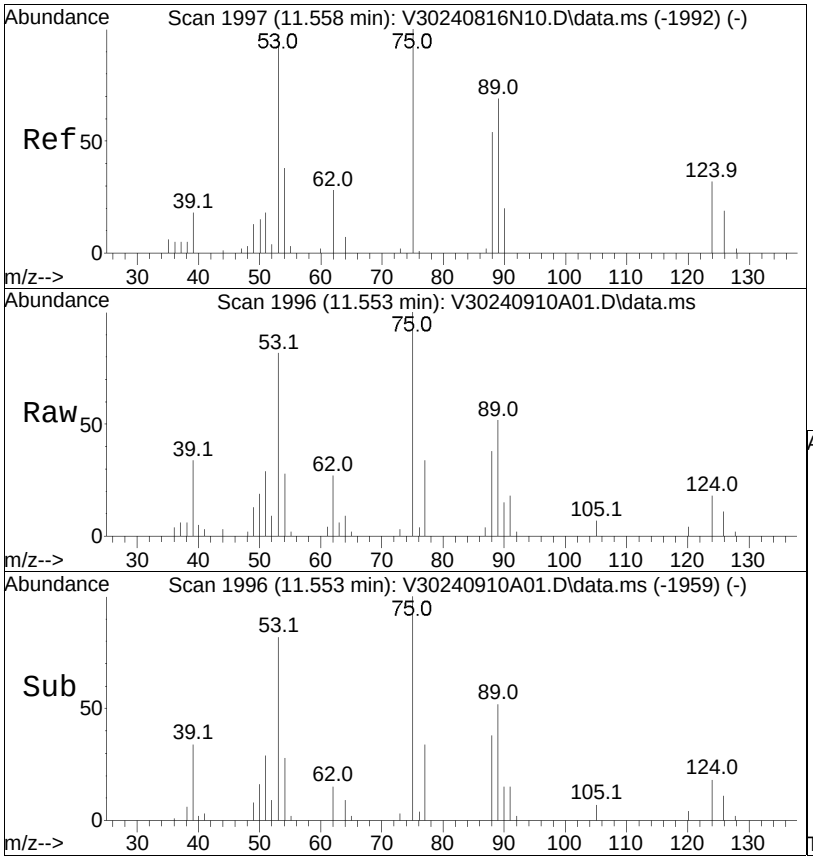


#96
1,2,3-Trichloropropane
Concen: 11.87 ug/L
RT: 11.505 min Scan# 1987
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 75 Resp: 38314

Ion	Ratio	Lower	Upper
75	100		
110	34.2	18.4	38.2
112	22.4	12.0	25.0

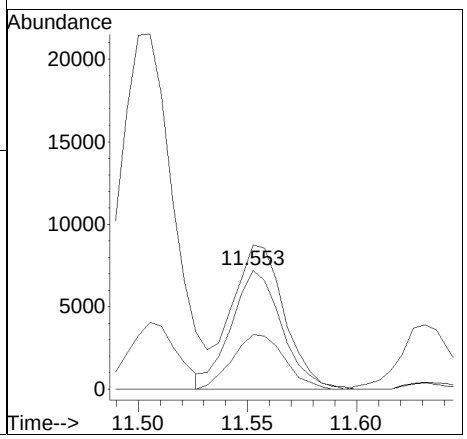


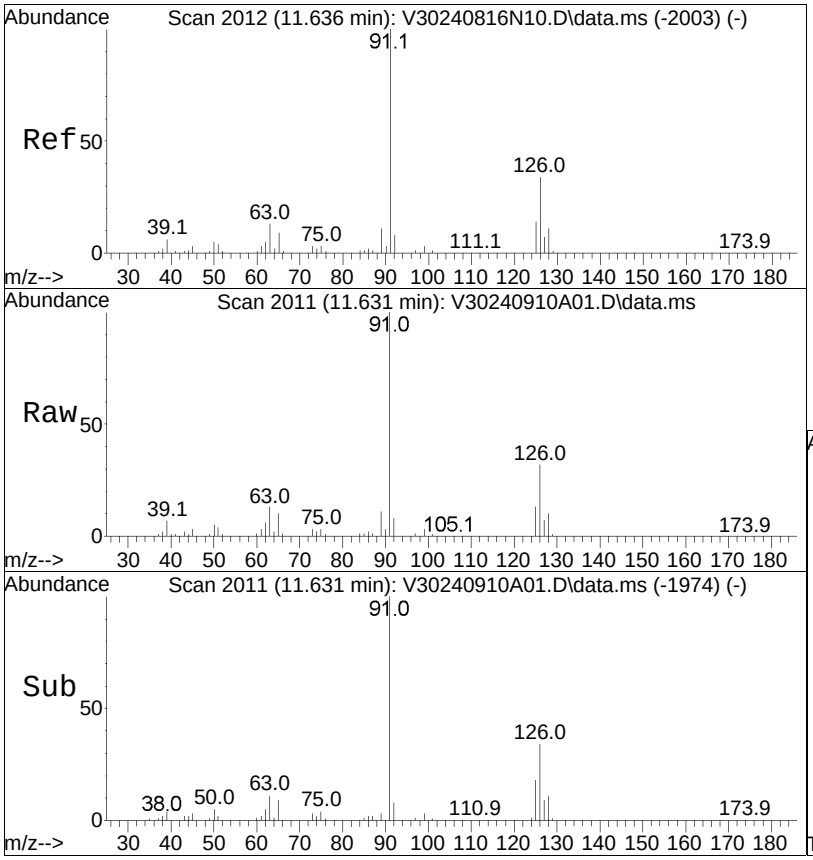


#97
trans-1,4-Dichloro-2-butene
Concen: 12.28 ug/L
RT: 11.553 min Scan# 1996
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 53 Resp: 11638

Ion	Ratio	Lower	Upper
53	100		
88	47.6	33.5	50.3
75	124.3	94.6	141.8

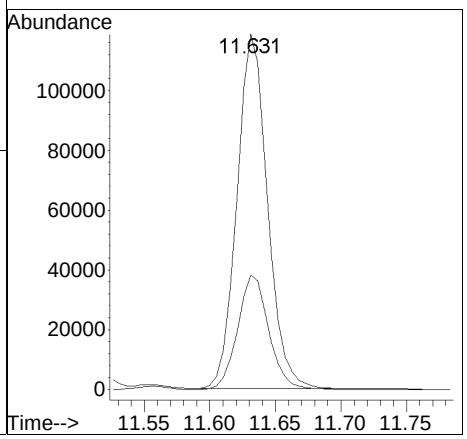


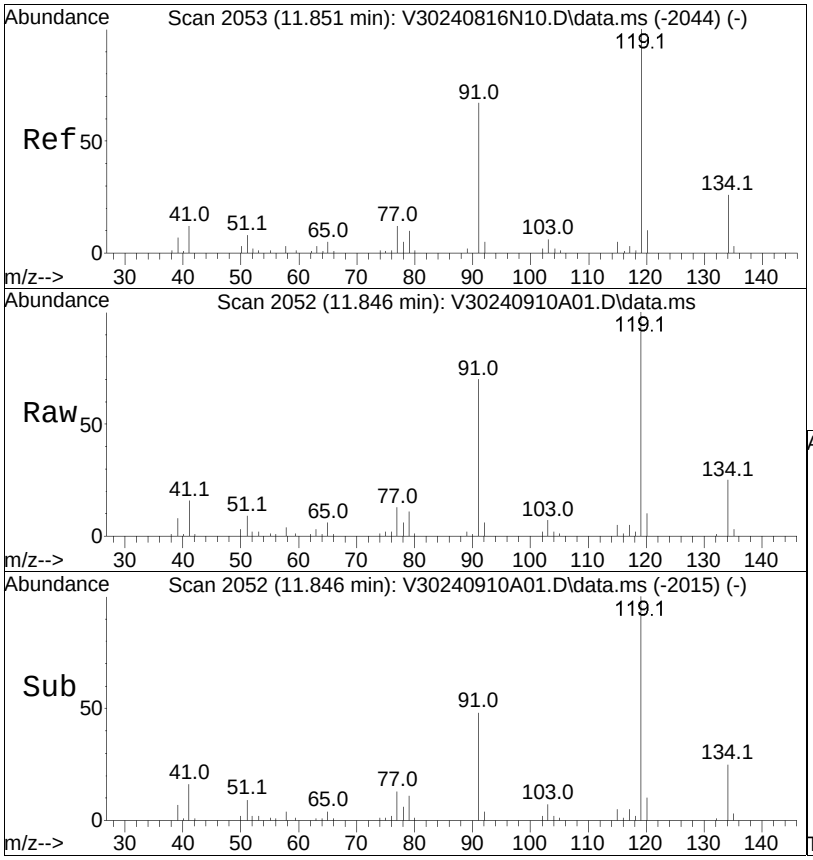


#98
4-Chlorotoluene
Concen: 10.97 ug/L
RT: 11.631 min Scan# 2011
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 91 Resp: 192172

Ion	Ratio	Lower	Upper
91	100		
126	32.7	23.8	35.8

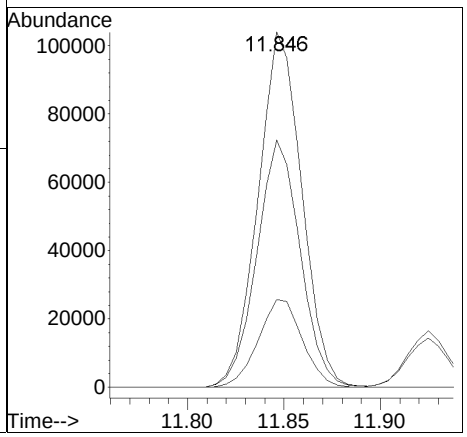


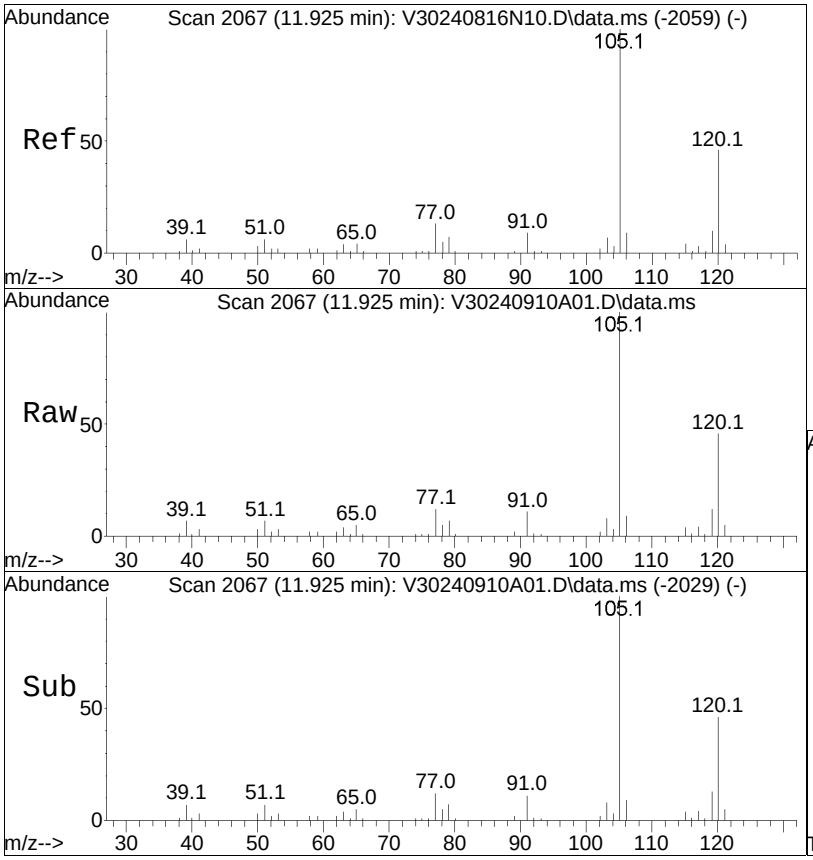


#99
tert-Butylbenzene
Concen: 10.04 ug/L
RT: 11.846 min Scan# 2052
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:119 Resp: 164351

Ion	Ratio	Lower	Upper
119	100		
91	69.2	58.8	88.2
134	25.0	18.6	27.8

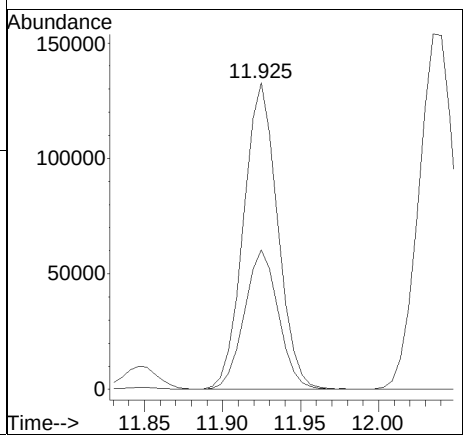


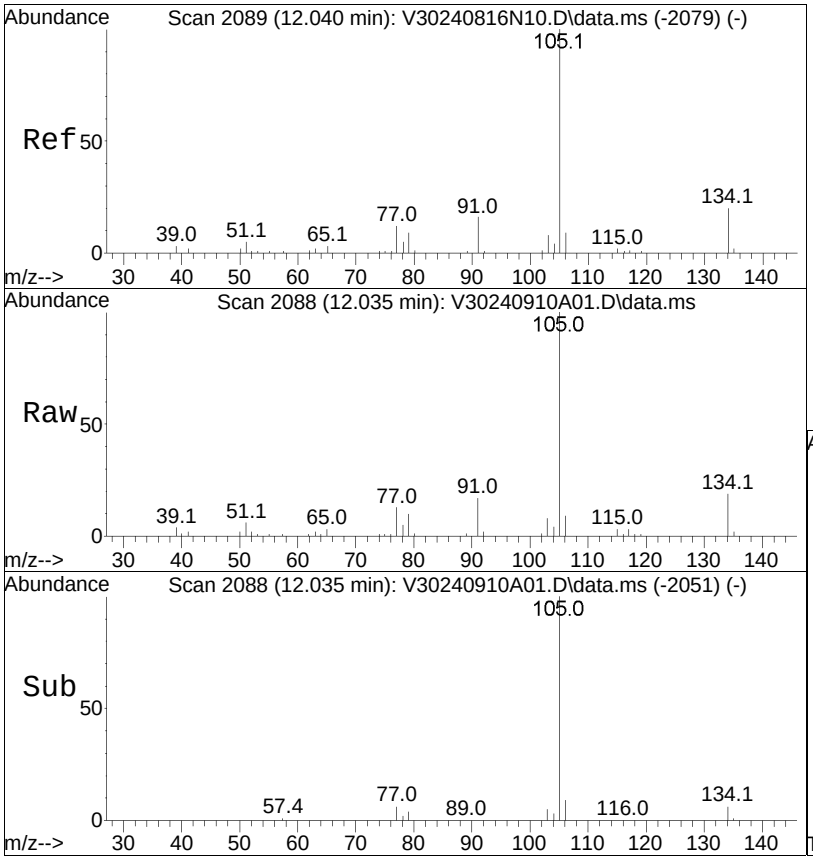


#102
1,2,4-Trimethylbenzene
Concen: 10.44 ug/L
RT: 11.925 min Scan# 2067
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:105 Resp: 202114

Ion	Ratio	Lower	Upper
105	100		
120	45.3	35.2	52.8

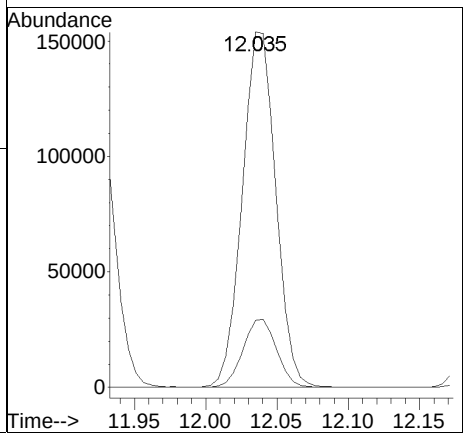


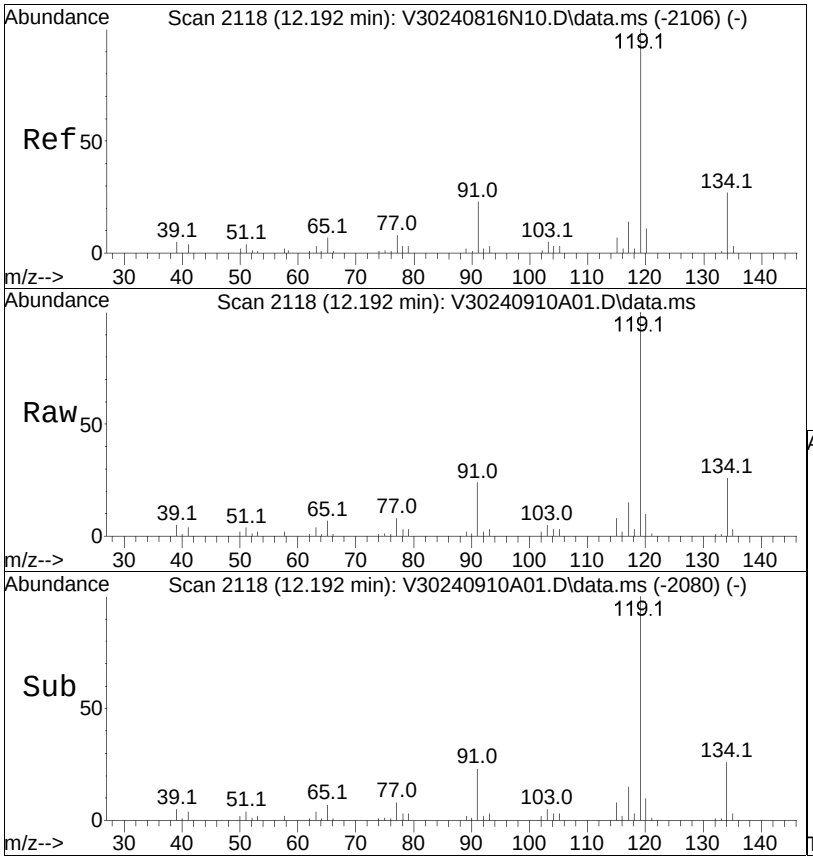


#103
sec-Butylbenzene
Concen: 10.73 ug/L
RT: 12.035 min Scan# 2088
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:105 Resp: 252109

Ion	Ratio	Lower	Upper
105	100		
134	19.2	11.4	23.6

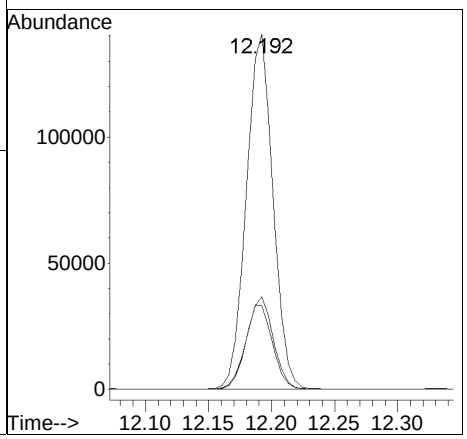


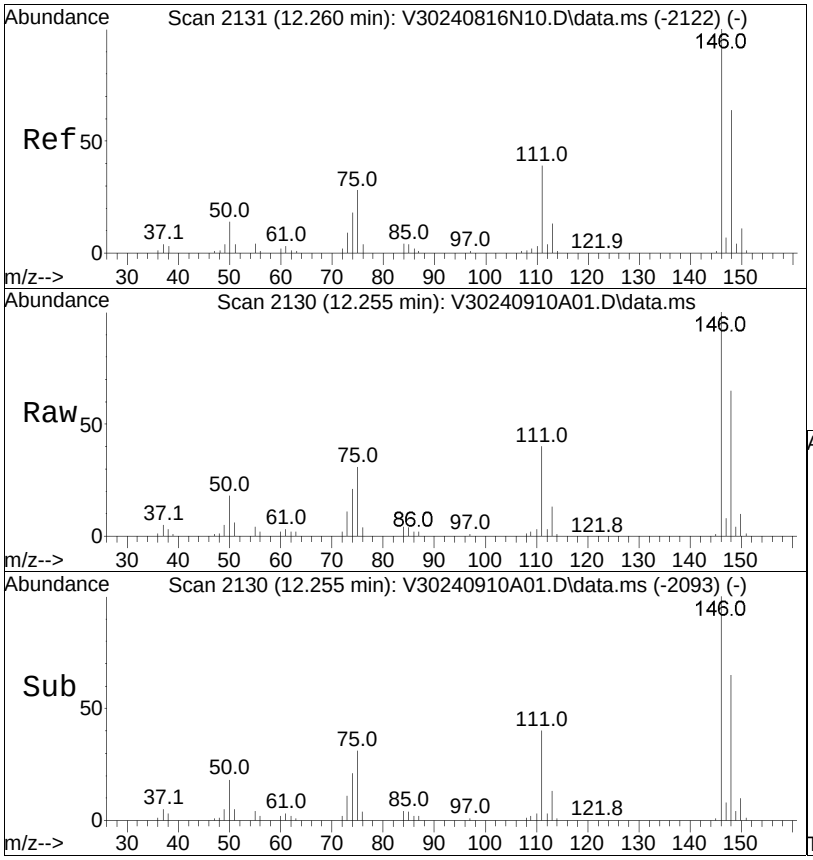


#104
p-Isopropyltoluene
Concen: 10.12 ug/L
RT: 12.192 min Scan# 2118
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:119 Resp: 207577

Ion	Ratio	Lower	Upper
119	100		
134	25.9	15.9	33.1
91	24.4	16.6	34.4

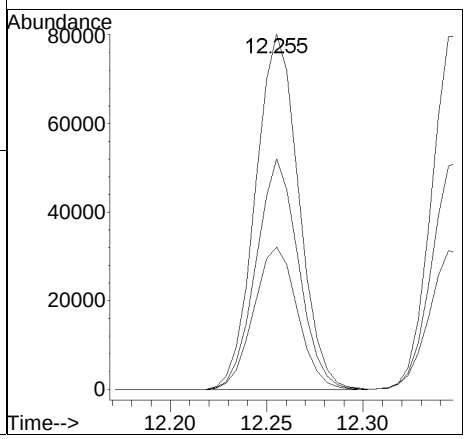


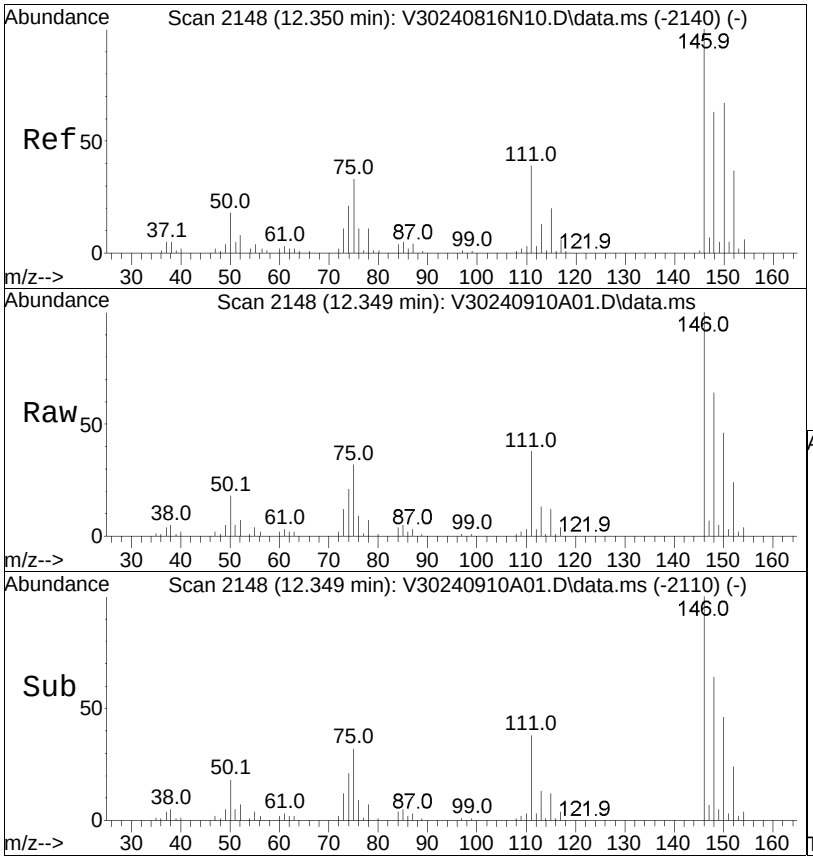


#105
1,3-Dichlorobenzene
Concen: 10.91 ug/L
RT: 12.255 min Scan# 2130
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:146 Resp: 125336

Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.0	58.1
148	63.5	40.8	84.6

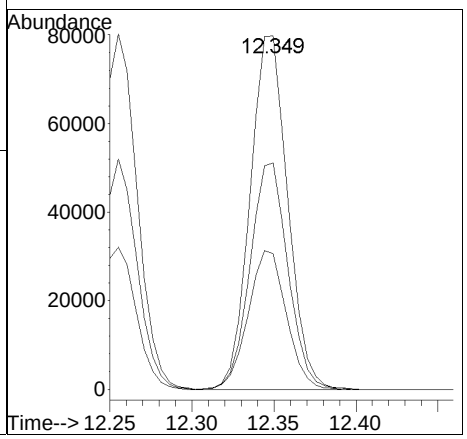


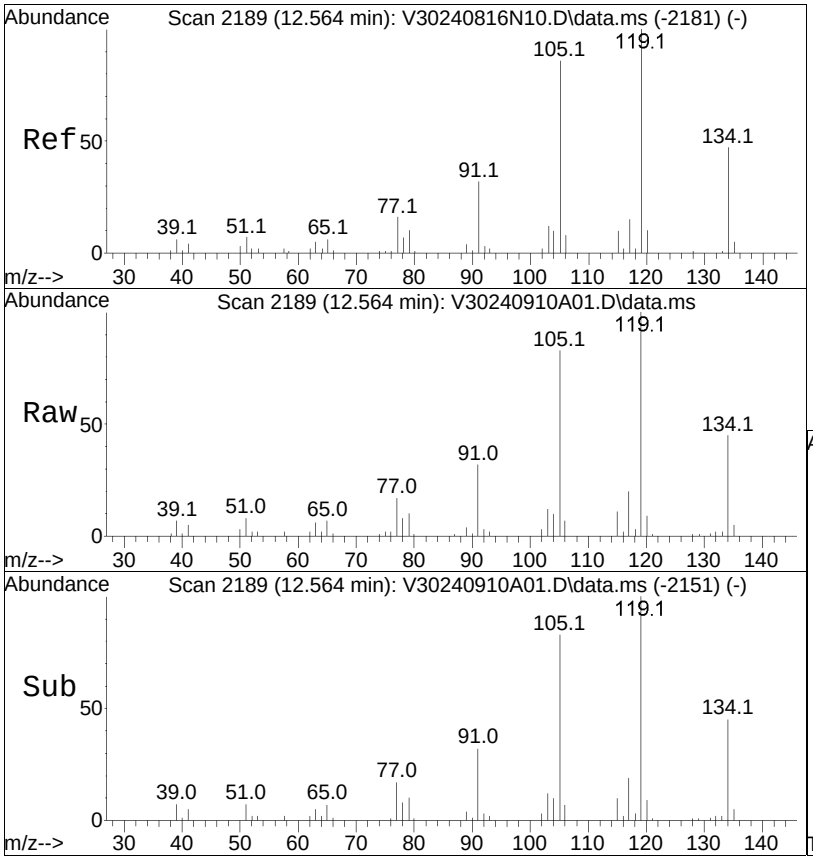


#106
1,4-Dichlorobenzene
Concen: 10.99 ug/L
RT: 12.349 min Scan# 2148
Delta R.T. -0.001 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:146 Resp: 127396

Ion	Ratio	Lower	Upper
146	100		
111	40.0	33.7	50.5
148	64.5	50.8	76.2

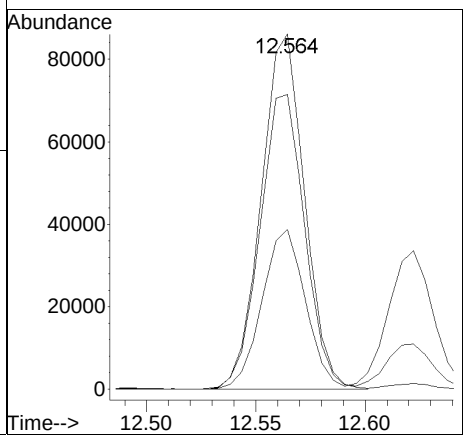


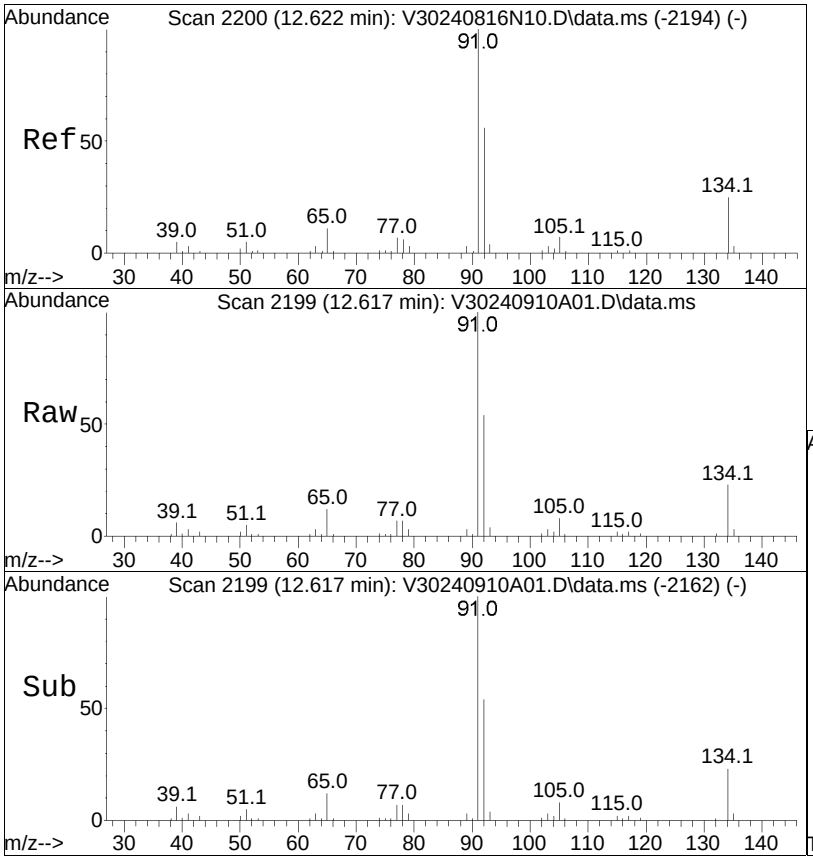


#107
p-Diethylbenzene
Concen: 9.95 ug/L
RT: 12.564 min Scan# 2189
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:119 Resp: 118932

Ion	Ratio	Lower	Upper
119	100		
105	85.8	58.4	121.2
134	45.2	28.7	59.5

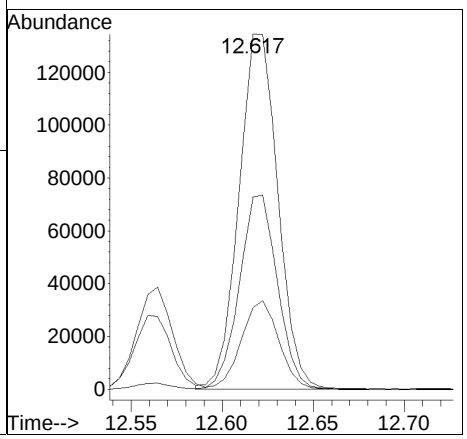


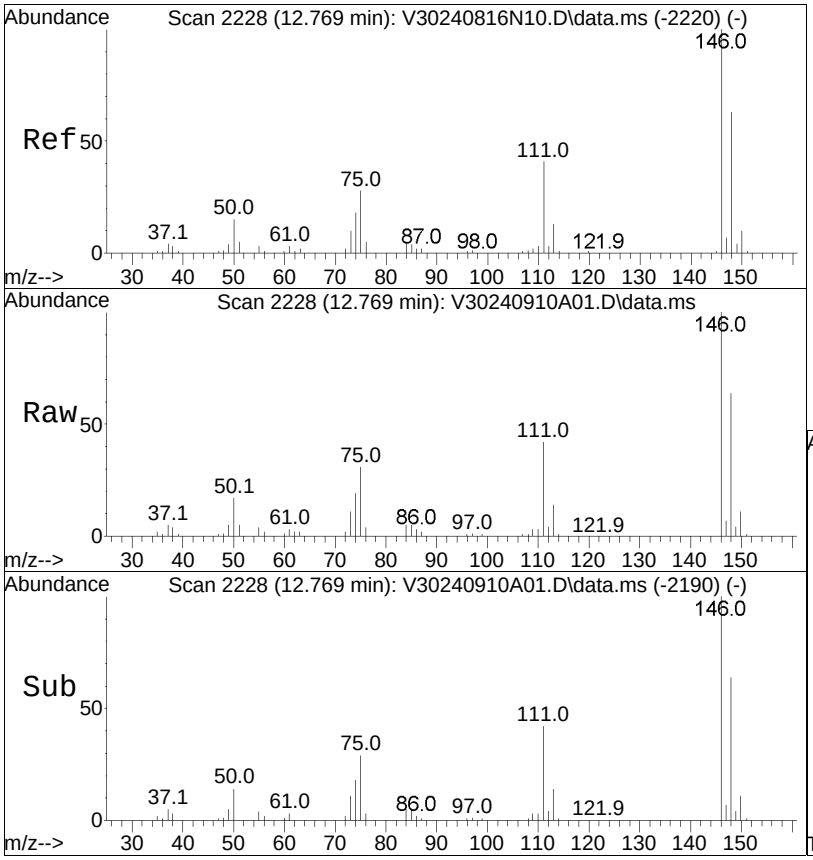


#108
n-Butylbenzene
Concen: 11.71 ug/L
RT: 12.617 min Scan# 2199
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion: 91 Resp: 199691

Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.2	66.4
134	24.2	17.8	26.6

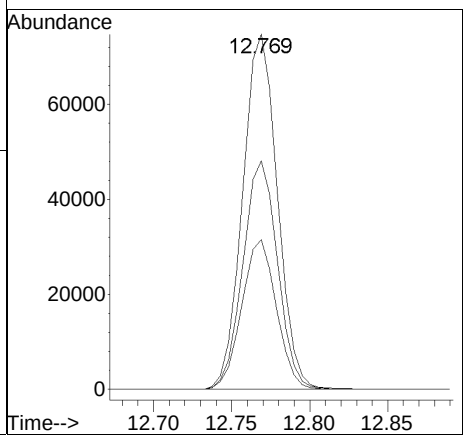


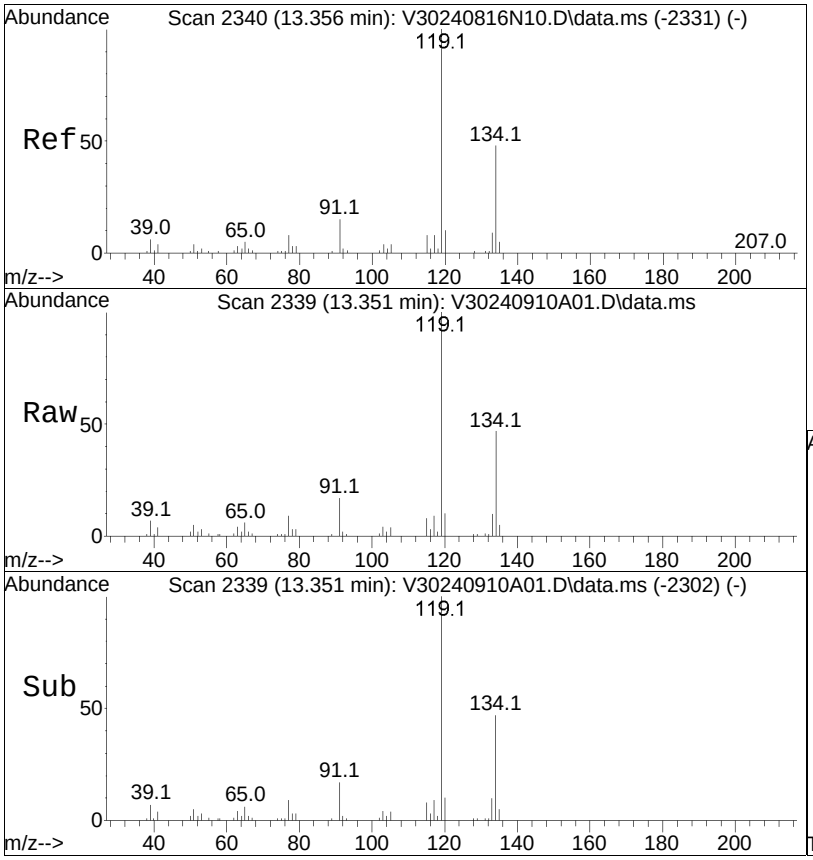


#109
1,2-Dichlorobenzene
Concen: 10.65 ug/L
RT: 12.769 min Scan# 2228
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:146 Resp: 115832

Ion	Ratio	Lower	Upper
146	100		
111	42.0	29.5	61.3
148	64.1	41.3	85.9

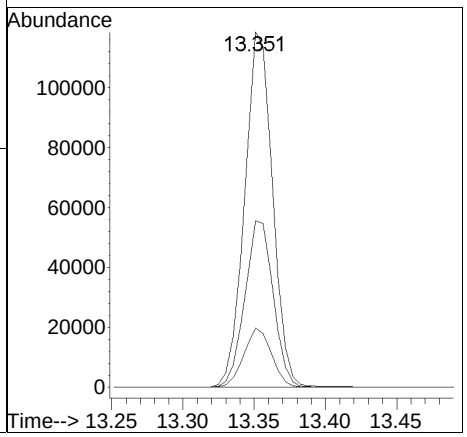


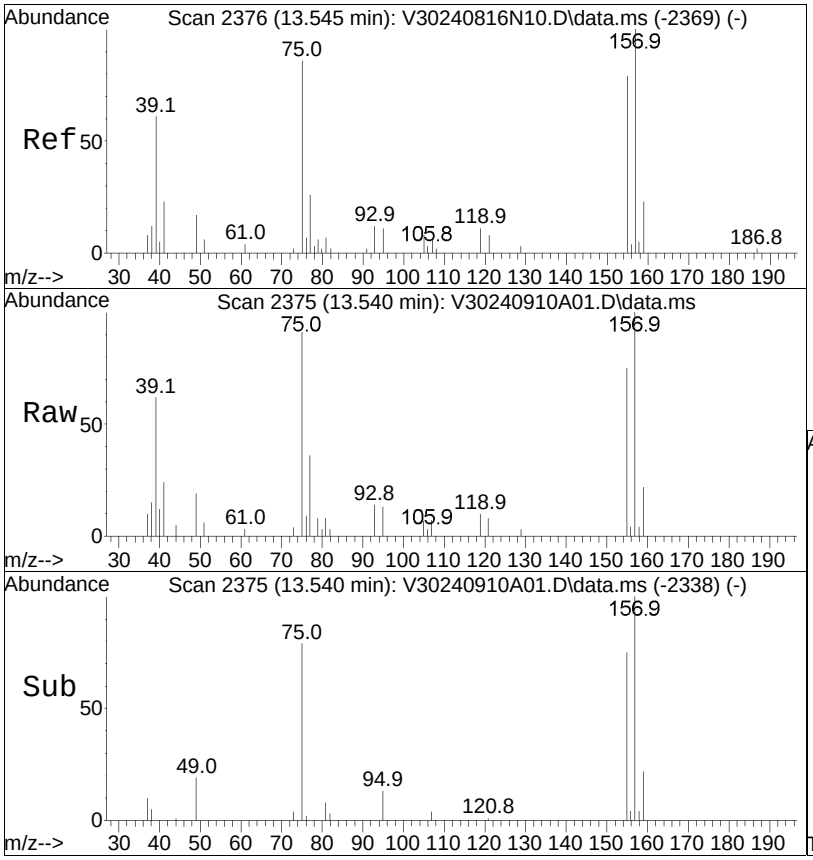


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.88 ug/L
RT: 13.351 min Scan# 2339
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:119 Resp: 161960

Ion	Ratio	Lower	Upper
119	100		
134	47.7	29.1	60.5
91	16.6	11.5	23.9

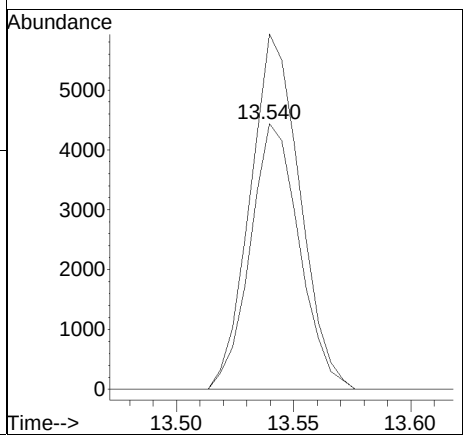


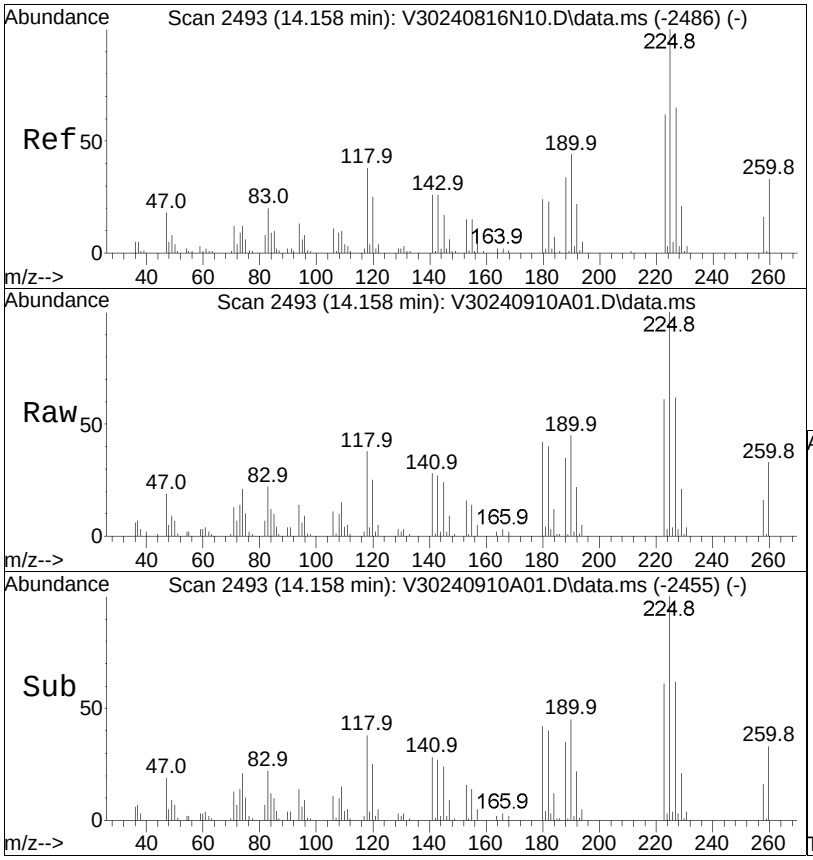


#111
1,2-Dibromo-3-chloropropane
Concen: 11.49 ug/L
RT: 13.540 min Scan# 2375
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:155 Resp: 6479

Ion	Ratio	Lower	Upper
155	100		
157	135.3	105.1	157.7

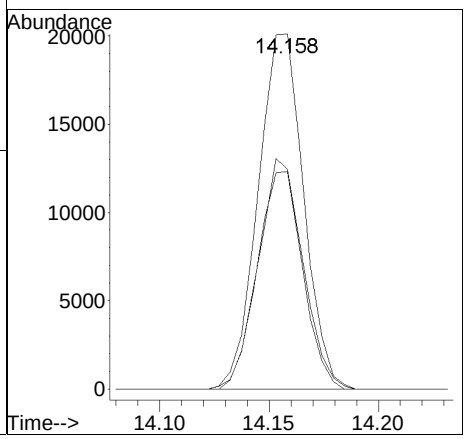


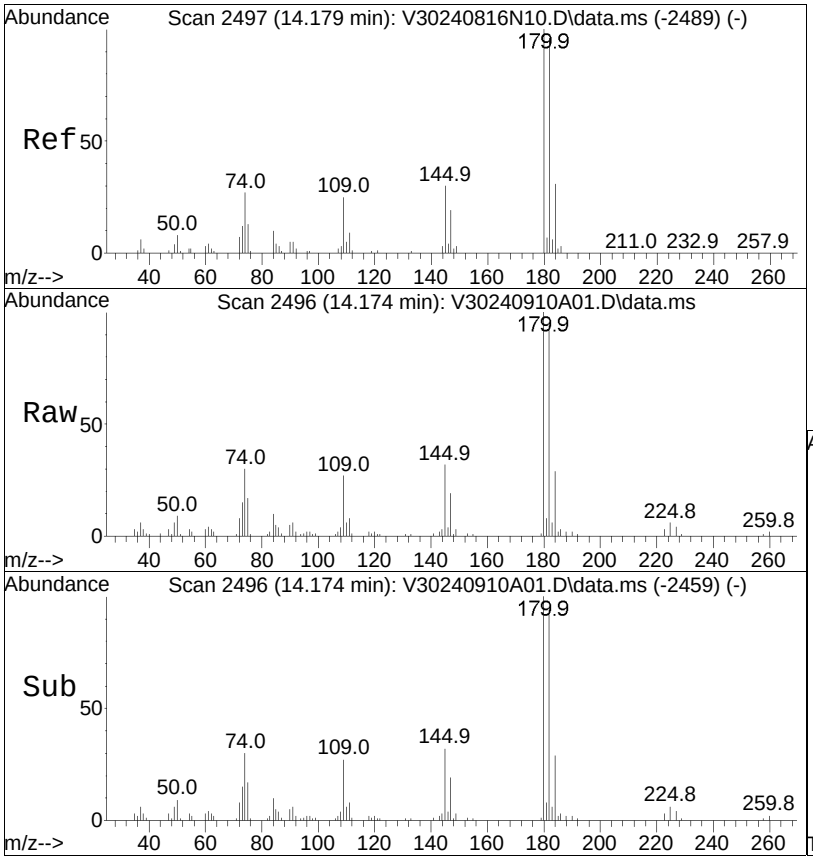


#113
Hexachlorobutadiene
Concen: 10.54 ug/L
RT: 14.158 min Scan# 2493
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:225 Resp: 29179

Ion	Ratio	Lower	Upper
225	100		
223	61.1	50.6	75.8
227	63.8	50.6	76.0

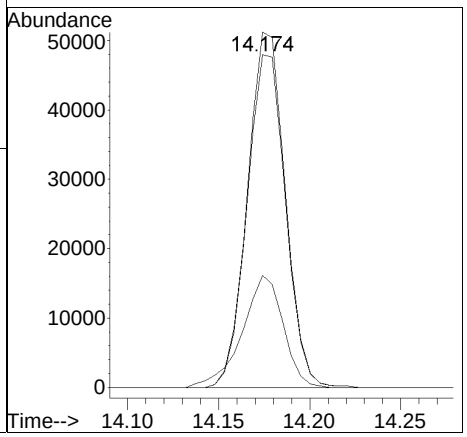


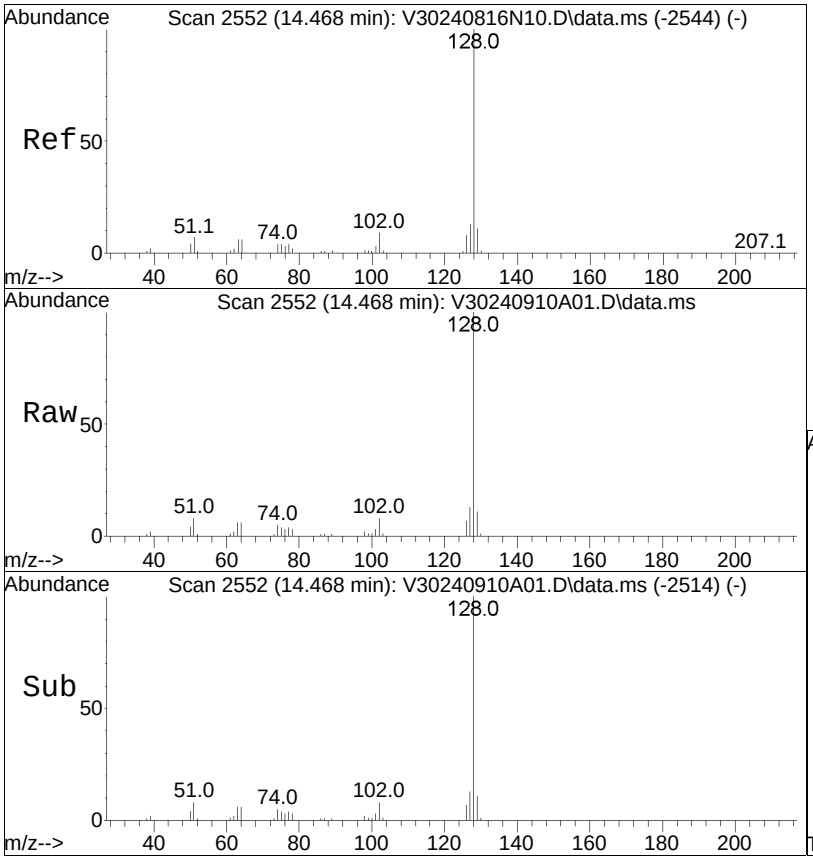


#114
1,2,4-Trichlorobenzene
Concen: 10.17 ug/L
RT: 14.174 min Scan# 2496
Delta R.T. -0.005 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:180 Resp: 74082

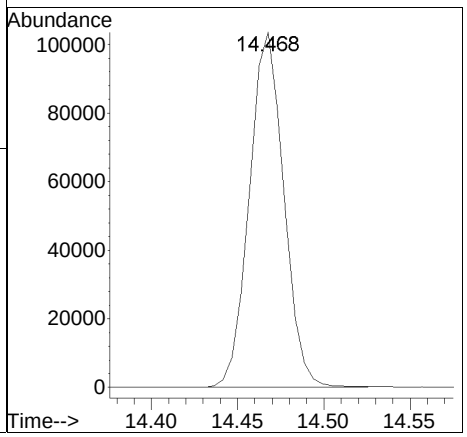
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.7	113.5
145	34.0	27.4	41.2

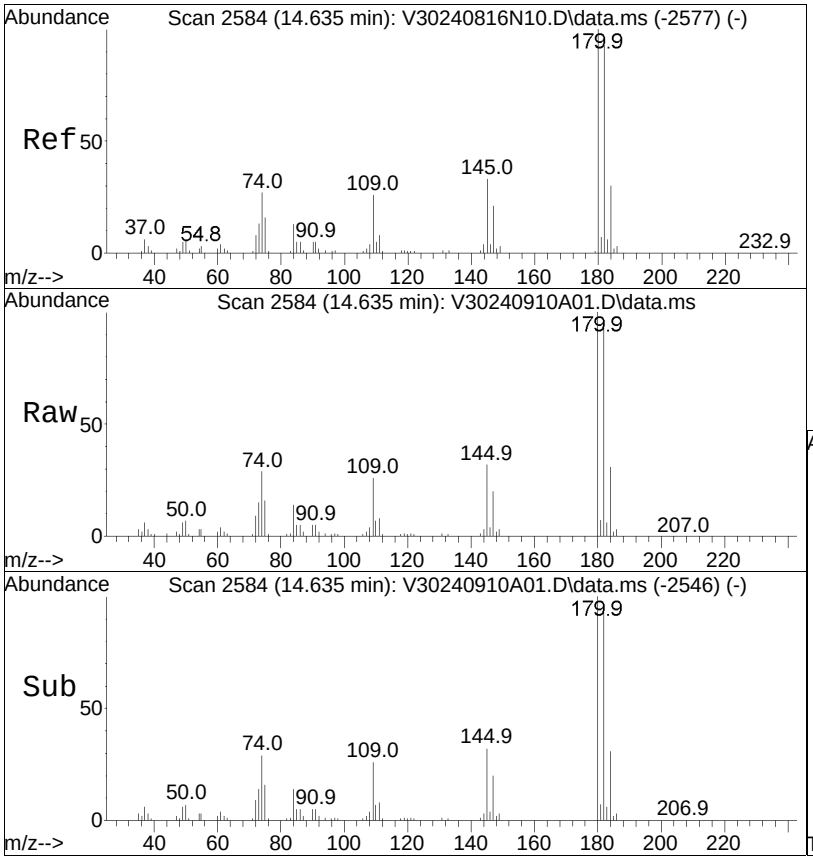




#115
Naphthalene
Concen: 9.42 ug/L
RT: 14.468 min Scan# 2552
Delta R.T. -0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:128 Resp: 143988

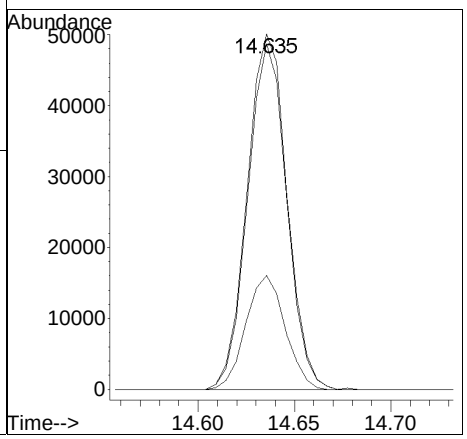




#116
1,2,3-Trichlorobenzene
Concen: 10.53 ug/L
RT: 14.635 min Scan# 2584
Delta R.T. 0.000 min
Lab File: V30240910A01.D
Acq: 10 Sep 2024 06:37 am

Tgt Ion:180 Resp: 71956

Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.9	112.3
145	31.5	26.0	39.0

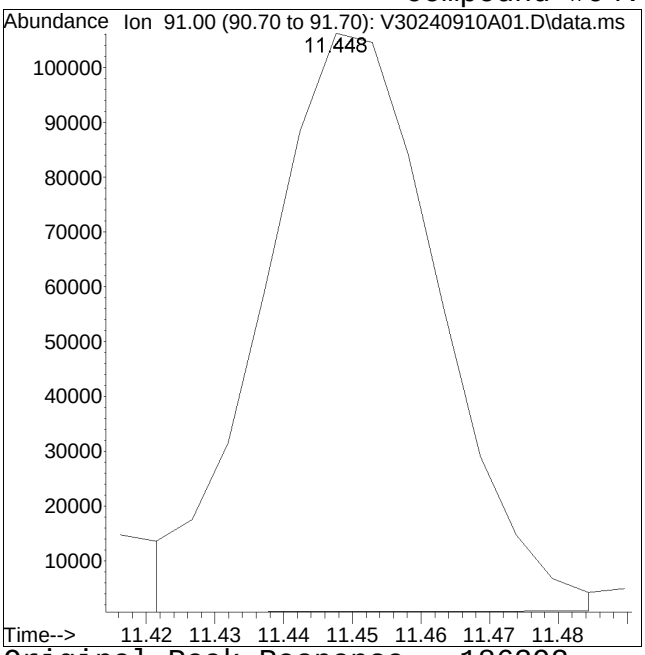


Manual Integration Report

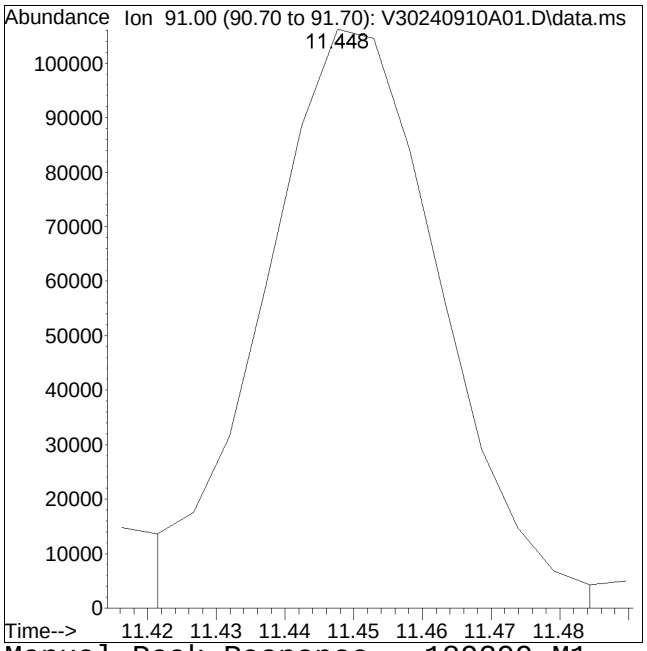
Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A01.D
Date Inj'd : 9/10/2024 6:37 am
Sample : WG1969667-3,31,10,10

QMethod : V130_240816N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 9/10/2024 7:36 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 186392



Manual Peak Response = 189399 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-3,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.953	96	302045	10.000	ug/L	-0.01
63) Chlorobenzene-d5	9.492	117	226148	10.000	ug/L	0.00
84) 1,4-Dichlorobenzene-d4	12.202	152	128633	10.000	ug/L	0.00
System Monitoring Compounds						
39) Dibromofluoromethane	5.147	113	70685	9.997	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.97%			
47) 1,2-Dichloroethane-d4	5.674	65	79872	8.466	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.66%			
64) Toluene-d8	7.643	98	291727	9.793	ug/L	-0.01
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.93%			
88) 4-Bromofluorobenzene	10.989	95	107764	9.069	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.69%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	68929	10.179	ug/L #	93
3) Chloromethane	1.778	50	67534	8.957	ug/L	95
4) Vinyl chloride	1.854	62	78187	11.127	ug/L	94
5) Bromomethane	2.160	94	20895	9.999	ug/L	97
6) Chloroethane	2.278	64	45822	10.801	ug/L	94
7) Trichlorofluoromethane	2.417	101	85965	10.646	ug/L	95
8) Ethyl ether	2.713	74	29880	9.398	ug/L	86
10) 1,1-Dichloroethene	2.897	96	54665	11.301	ug/L	93
11) Carbon disulfide	2.930	76	166907	11.183	ug/L	97
15) Methylene chloride	3.452	84	61716	10.114	ug/L	95
17) Acetone	3.491	43	12508	5.644	ug/L	97
18) trans-1,2-Dichloroethene	3.605	96	60219	11.581	ug/L	92
21) Methyl tert-butyl ether	3.703	73	162320	8.372	ug/L	92
25) 1,1-Dichloroethane	4.185	63	123916	10.154	ug/L	97
27) Acrylonitrile	4.227	53	18609M1	7.308	ug/L	
29) Vinyl acetate	4.419	43	146603	7.931	ug/L	99
30) cis-1,2-Dichloroethene	4.701	96	67161	10.776	ug/L	95
31) 2,2-Dichloropropane	4.801	77	83459	10.219	ug/L	96
33) Bromochloromethane	4.896	128	30635	11.205	ug/L	93
35) Chloroform	4.971	83	101073	9.991	ug/L	95
37) Carbon tetrachloride	5.105	117	86740	11.226	ug/L	94
40) 1,1,1-Trichloroethane	5.172	97	96483	10.502	ug/L	92
42) 2-Butanone	5.253	43	18347	5.794	ug/L	95
43) 1,1-Dichloropropene	5.289	75	82880	10.715	ug/L	92

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-3,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Benzene	5.532	78	255985	10.699	ug/L		96
48) 1,2-Dichloroethane	5.738	62	80906	8.762	ug/L		98
52) Trichloroethene	6.132	95	65940	10.962	ug/L		95
54) Dibromomethane	6.572	93	32578	9.402	ug/L	#	77
55) 1,2-Dichloropropane	6.672	63	70205	9.720	ug/L		96
58) Bromodichloromethane	6.745	83	83063	9.705	ug/L		93
61) 1,4-Dioxane	6.954	88	19677	339.459	ug/L	#	52
62) cis-1,3-Dichloropropene	7.437	75	94983	9.856	ug/L		93
65) Toluene	7.702	92	166624	10.700	ug/L		96
66) 4-Methyl-2-pentanone	8.131	58	17468	6.577	ug/L		79
67) Tetrachloroethene	8.150	166	82398	12.456	ug/L		91
69) trans-1,3-Dichloropropene	8.187	75	75508	8.613	ug/L		91
72) 1,1,2-Trichloroethane	8.376	83	40143	9.182	ug/L		97
73) Chlorodibromomethane	8.588	129	57600	9.422	ug/L		95
74) 1,3-Dichloropropane	8.697	76	83058	8.998	ug/L		98
75) 1,2-Dibromoethane	8.859	107	46363	8.973	ug/L		87
77) 2-Hexanone	9.146	43	27621	5.337	ug/L	#	95
78) Chlorobenzene	9.509	112	180657	10.888	ug/L	#	86
79) Ethylbenzene	9.545	91	322100	10.673	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.595	131	63839	10.495	ug/L		96
81) p/m Xylene	9.734	106	256888	22.329	ug/L		96
82) o Xylene	10.278	106	246734	21.932	ug/L		90
83) Styrene	10.345	104	397109	21.529	ug/L		93
85) Bromoform	10.367	173	38729	9.253	ug/L		92
87) Isopropylbenzene	10.660	105	328855	10.676	ug/L		95
89) Bromobenzene	11.098	156	84622	10.882	ug/L		97
90) n-Propylbenzene	11.145	91	385246	10.467	ug/L		93
92) 1,1,2,2-Tetrachloroethane	11.235	83	54403	8.324	ug/L		97
93) 4-Ethyltoluene	11.271	105	317027	10.618	ug/L		97
94) 2-Chlorotoluene	11.313	91	226748M4	10.472	ug/L		
95) 1,3,5-Trimethylbenzene	11.369	105	276890	10.572	ug/L		100
96) 1,2,3-Trichloropropane	11.374	75	44042	8.260	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.427	53	17905	6.834	ug/L	#	81
98) 4-Chlorotoluene	11.497	91	230767	10.174	ug/L		96
99) tert-Butylbenzene	11.712	119	235812	10.710	ug/L	#	92
102) 1,2,4-Trimethylbenzene	11.790	105	273157	10.448	ug/L		93
103) sec-Butylbenzene	11.904	105	346287	10.606	ug/L		96
104) p-Isopropyltoluene	12.057	119	295356	10.735	ug/L		94
105) 1,3-Dichlorobenzene	12.124	146	158966	11.069	ug/L		94
106) 1,4-Dichlorobenzene	12.216	146	157653	10.982	ug/L		98

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-3,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107)	p-Diethylbenzene	12.431	119	168613	10.394	ug/L	96
108)	n-Butylbenzene	12.487	91	240769	10.162	ug/L	95
109)	1,2-Dichlorobenzene	12.637	146	144015	10.422	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.229	119	256335	9.737	ug/L	94
111)	1,2-Dibromo-3-chloropr...	13.421	155	8846	7.273	ug/L	95
113)	Hexachlorobutadiene	14.026	225	41214	11.335	ug/L	92
114)	1,2,4-Trichlorobenzene	14.051	180	99798	10.076	ug/L	98
115)	Naphthalene	14.341	128	171715	7.865	ug/L	100
116)	1,2,3-Trichlorobenzene	14.509	180	82752	9.094	ug/L	93

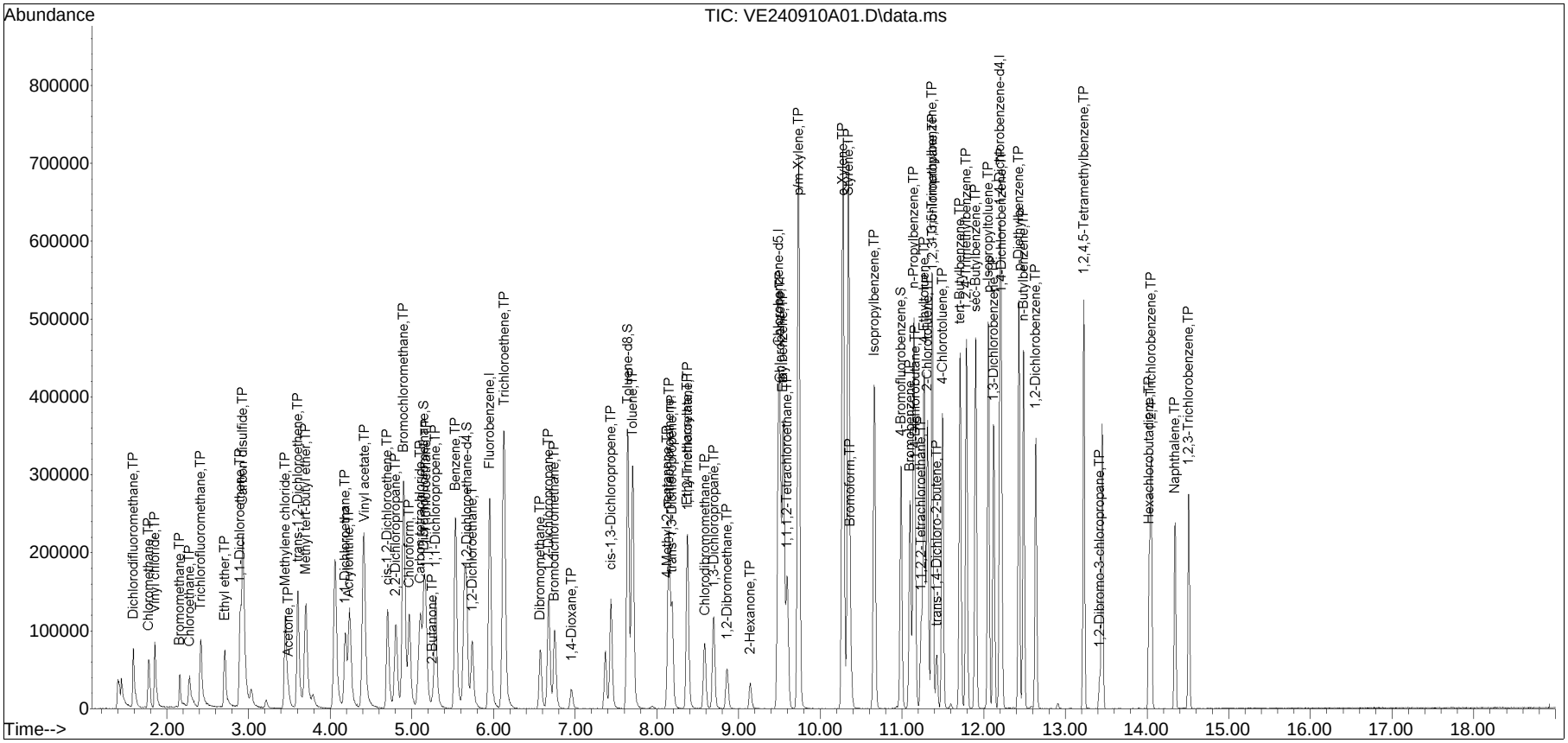
(#) = qualifier out of range (m) = manual integration (+) = signals summed

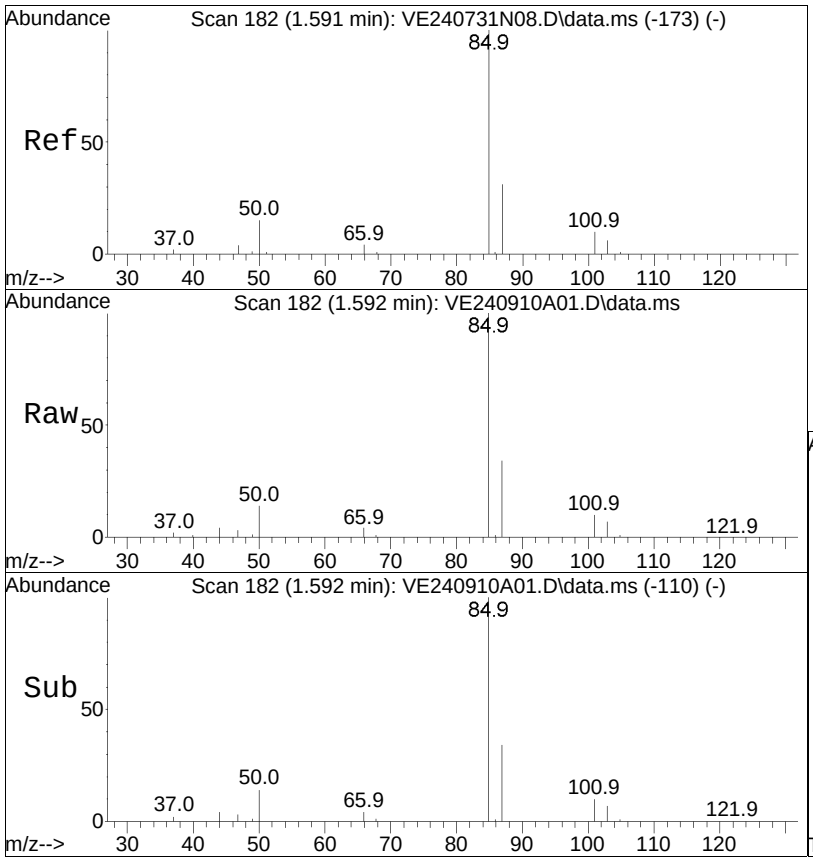
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Acq On : 10 Sep 2024 8:34 am
Operator : ELAINE:PID
Sample : WG1970185-3,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 09:12:54 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

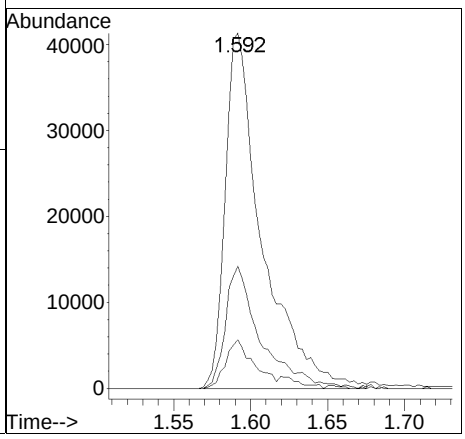


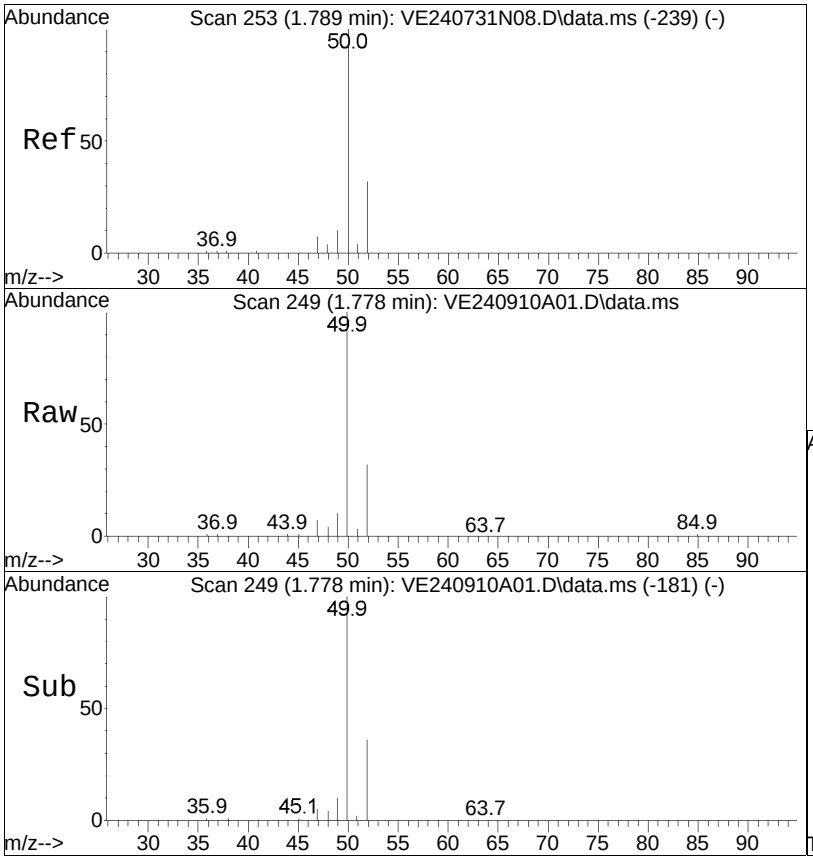


#2
Dichlorodifluoromethane
Concen: 10.18 ug/L
RT: 1.592 min Scan# 182
Delta R.T. 0.001 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 85 Resp: 68929

Ion	Ratio	Lower	Upper
85	100		
87	32.9	21.7	45.1
50	10.6	11.8	24.4#

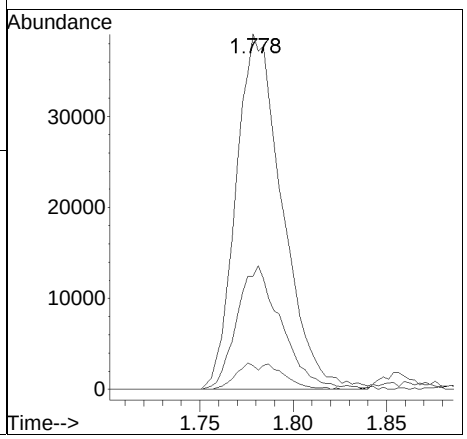


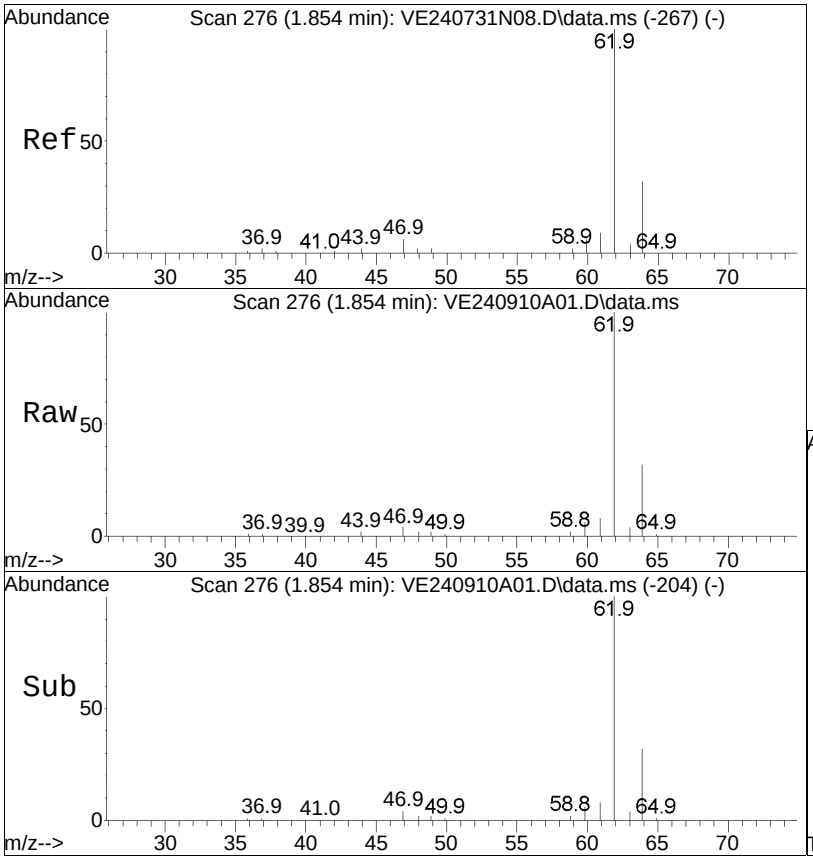


#3
Chloromethane
Concen: 8.96 ug/L
RT: 1.778 min Scan# 249
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 50 Resp: 67534

Ion	Ratio	Lower	Upper
50	100		
52	33.3	14.9	54.9
47	3.5	0.0	28.0

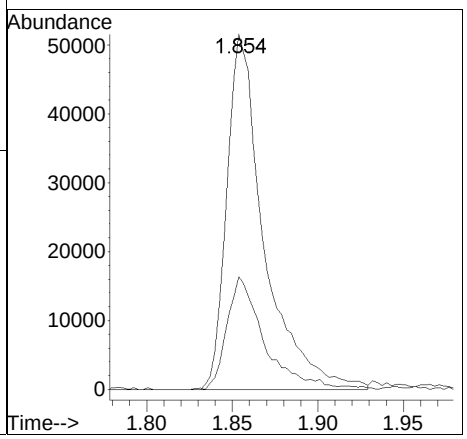


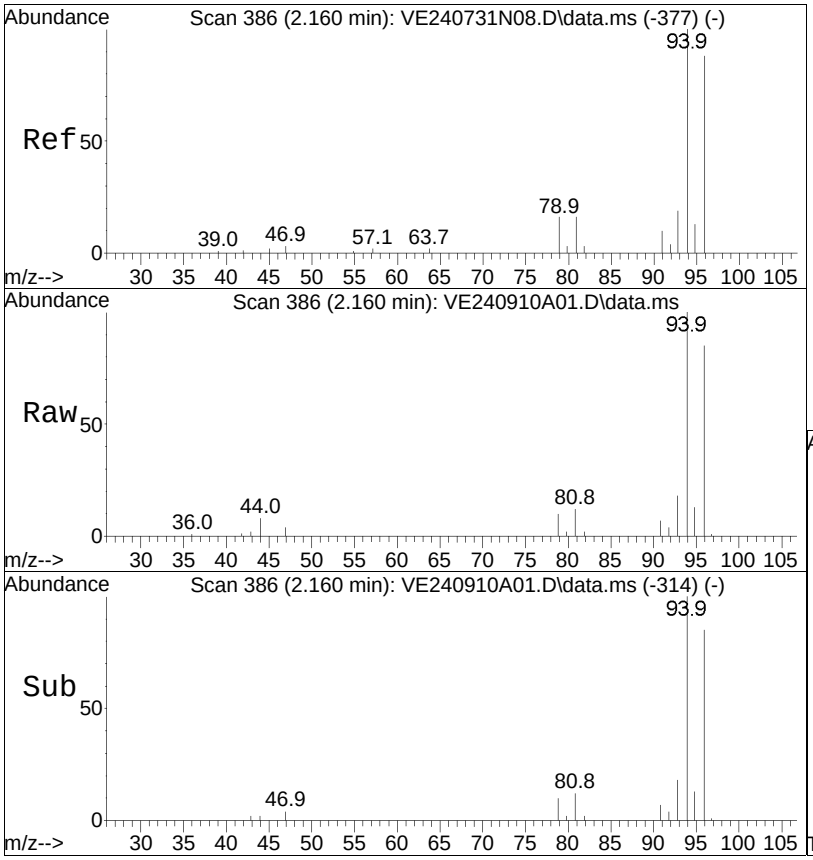


#4
Vinyl chloride
Concen: 11.13 ug/L
RT: 1.854 min Scan# 276
Delta R.T. -0.000 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 62 Resp: 78187

Ion	Ratio	Lower	Upper
62	100		
64	31.5	8.1	48.1

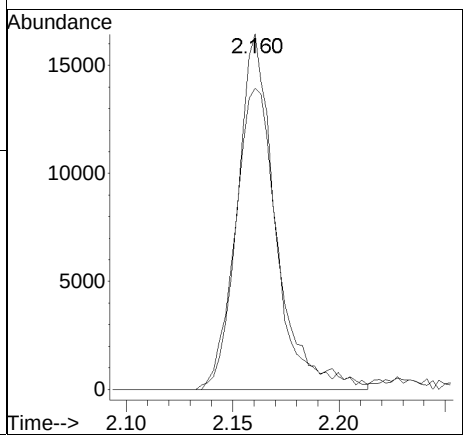


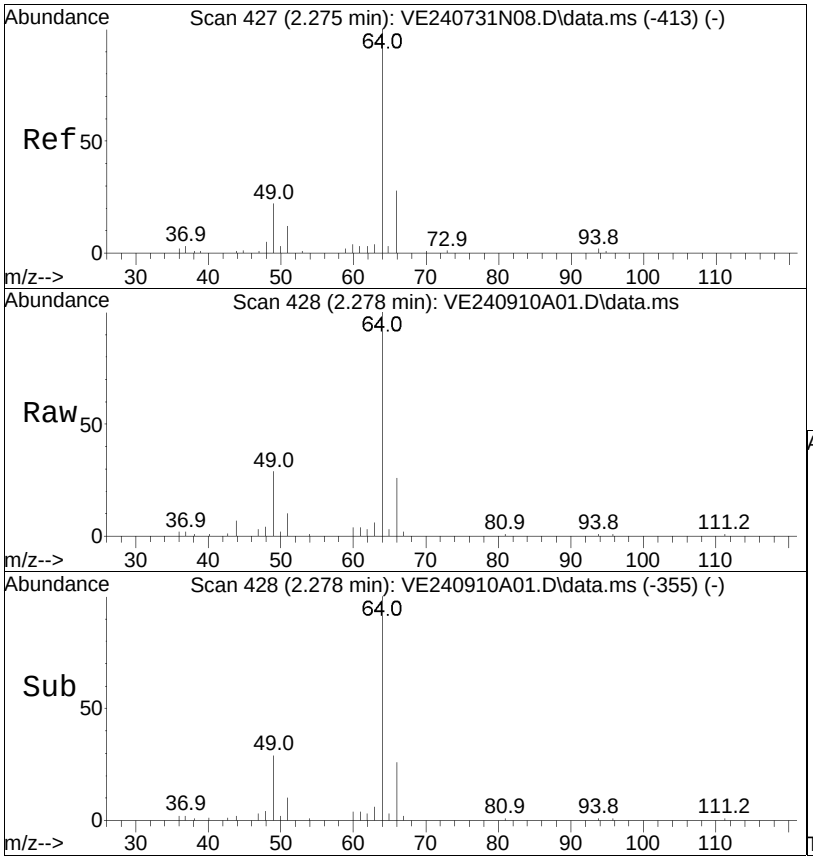


#5
Bromomethane
Concen: 10.00 ug/L
RT: 2.160 min Scan# 386
Delta R.T. 0.000 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 94 Resp: 20895

Ion	Ratio	Lower	Upper
94	100		
96	91.0	68.2	108.2

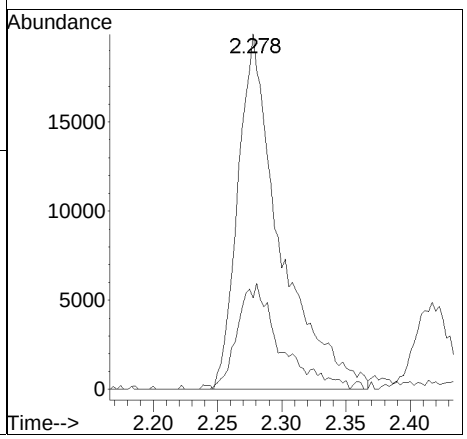


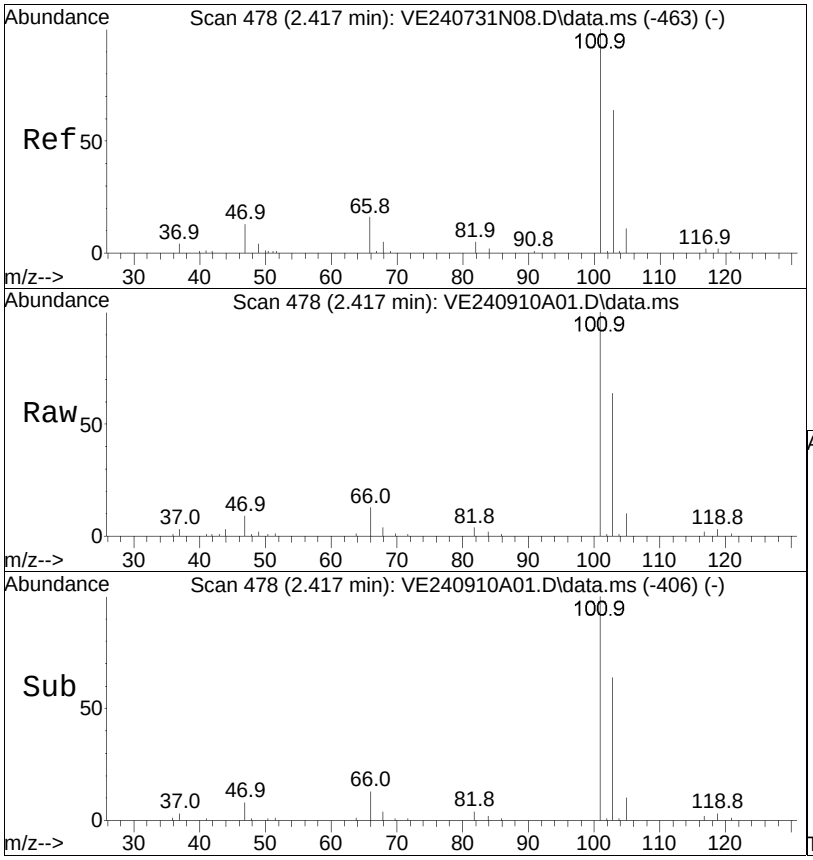


#6
Chloroethane
Concen: 10.80 ug/L
RT: 2.278 min Scan# 428
Delta R.T. 0.003 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 64 Resp: 45822

Ion	Ratio	Lower	Upper
64	100		
66	27.3	10.7	50.7

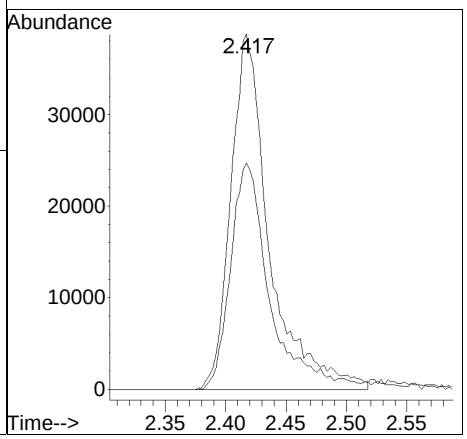


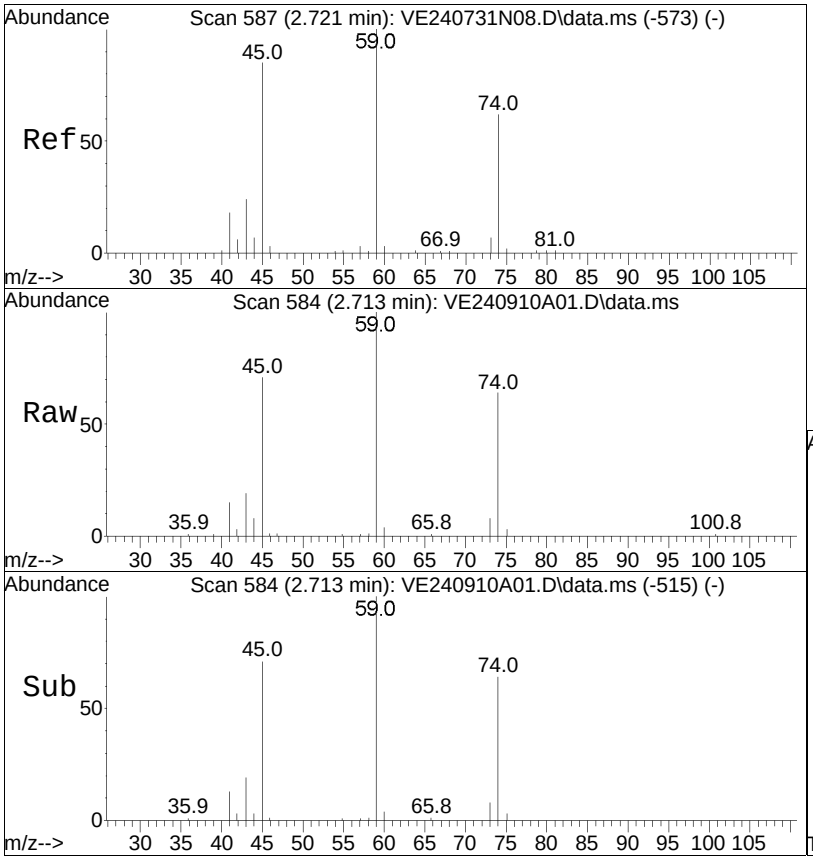


#7
Trichlorofluoromethane
Concen: 10.65 ug/L
RT: 2.417 min Scan# 478
Delta R.T. 0.000 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:101 Resp: 85965

Ion	Ratio	Lower	Upper
101	100		
103	63.7	48.2	72.2

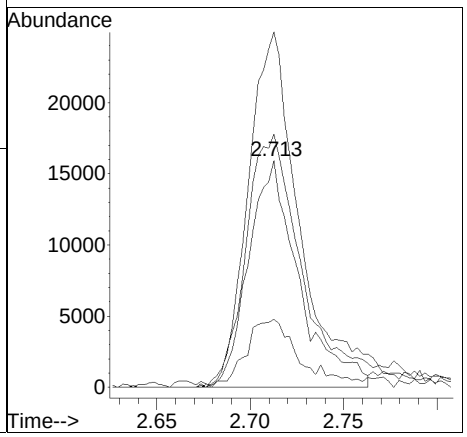


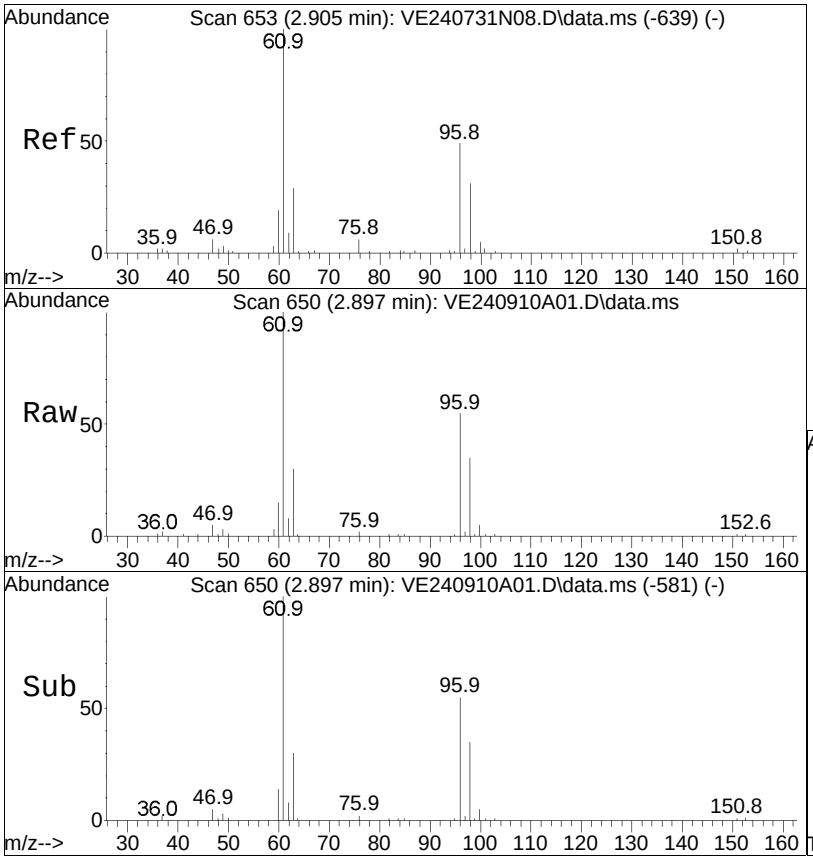


#8
Ethyl ether
Concen: 9.40 ug/L
RT: 2.713 min Scan# 584
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 74 Resp: 29880

Ion	Ratio	Lower	Upper
74	100		
59	163.9	91.7	190.5
45	127.9	77.4	160.8
43	28.3	24.6	51.2

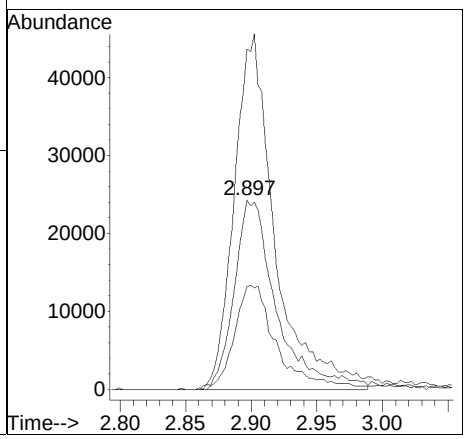


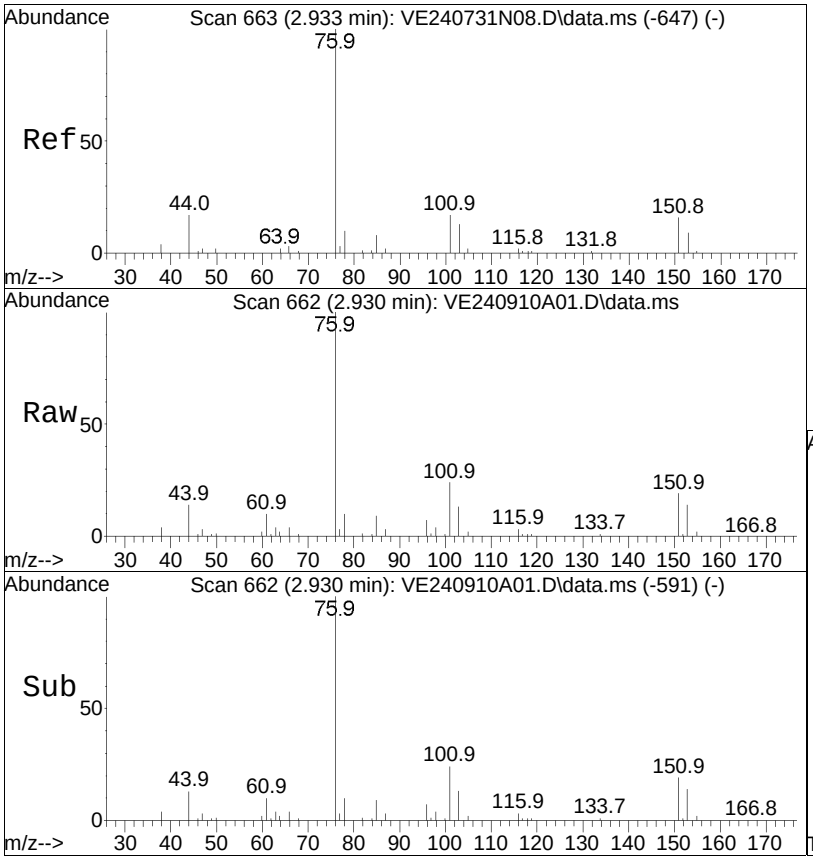


#10
1,1-Dichloroethene
Concen: 11.30 ug/L
RT: 2.897 min Scan# 650
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 96 Resp: 54665

Ion	Ratio	Lower	Upper
96	100		
61	179.8	135.4	203.0
63	54.9	42.6	63.8

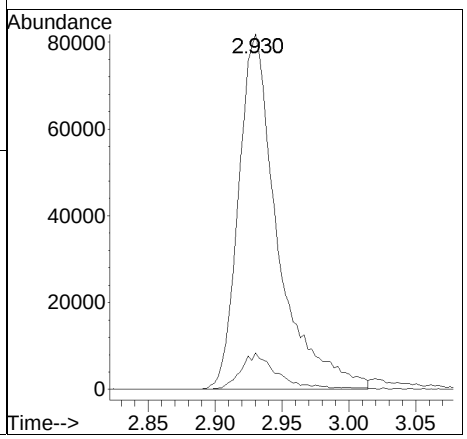


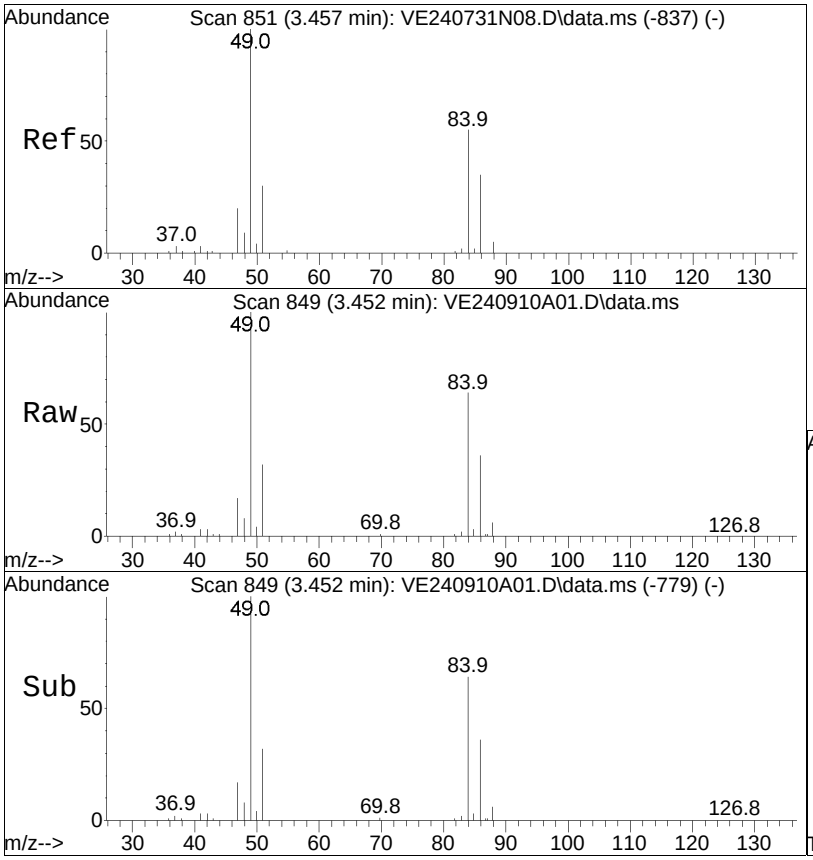


#11
Carbon disulfide
Concen: 11.18 ug/L
RT: 2.930 min Scan# 662
Delta R.T. -0.003 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 76 Resp: 166907

Ion	Ratio	Lower	Upper
76	100		
78	9.4	5.5	11.3

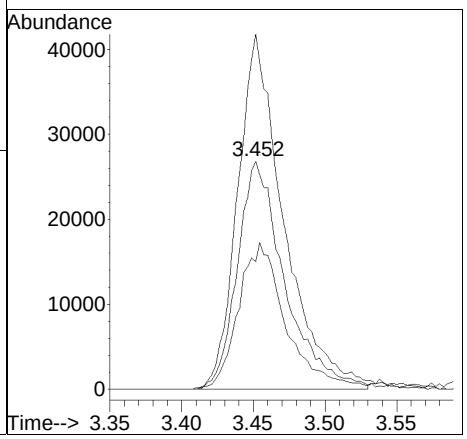


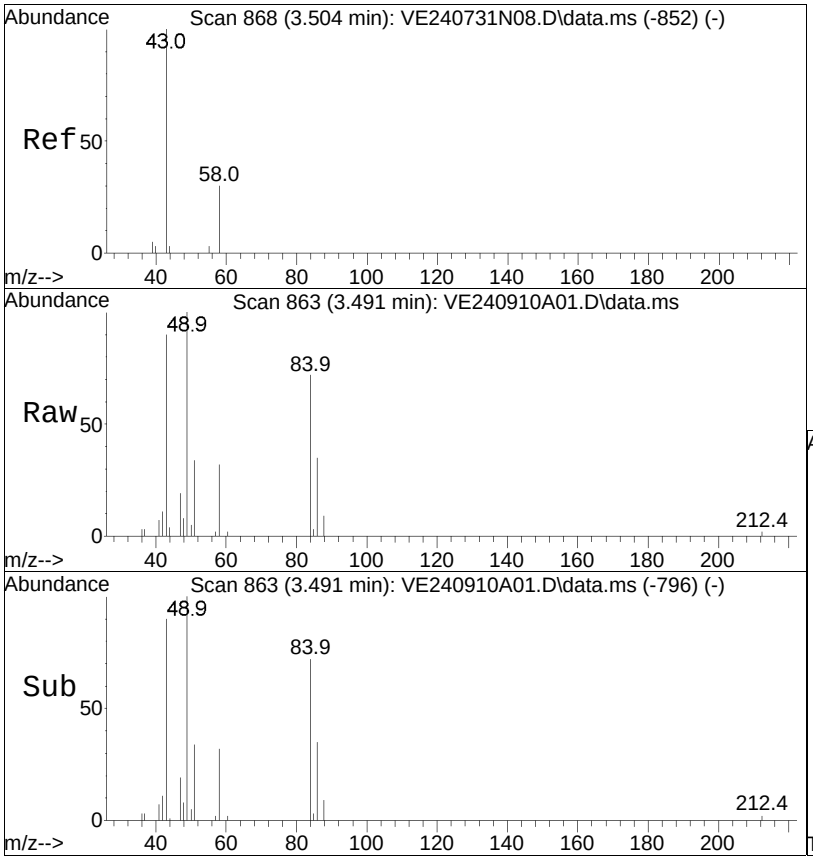


#15
Methylene chloride
Concen: 10.11 ug/L
RT: 3.452 min Scan# 849
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 84 Resp: 61716

Ion	Ratio	Lower	Upper
84	100		
86	64.6	40.2	83.6
49	152.3	103.2	214.4

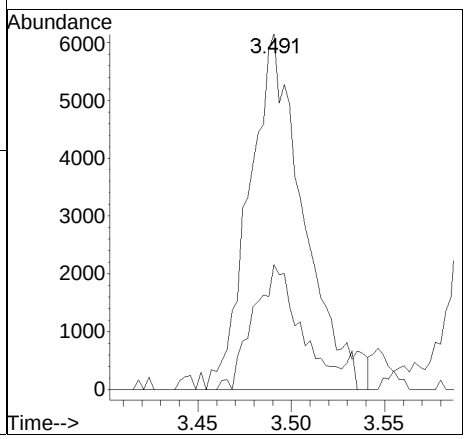


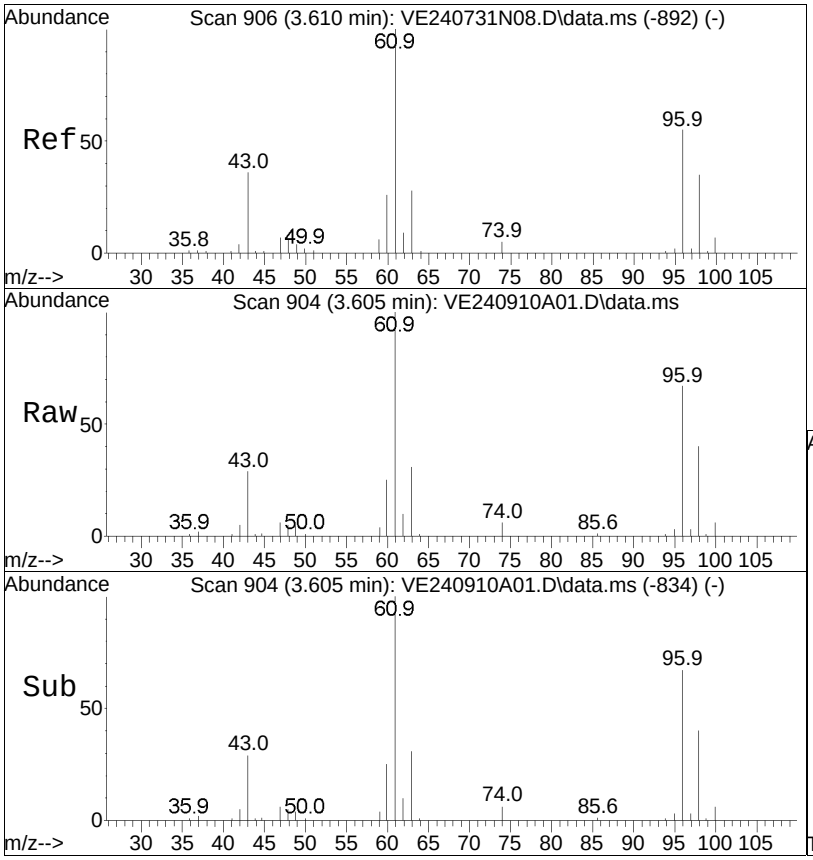


#17
Acetone
Concen: 5.64 ug/L
RT: 3.491 min Scan# 863
Delta R.T. -0.013 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 43 Resp: 12508

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0

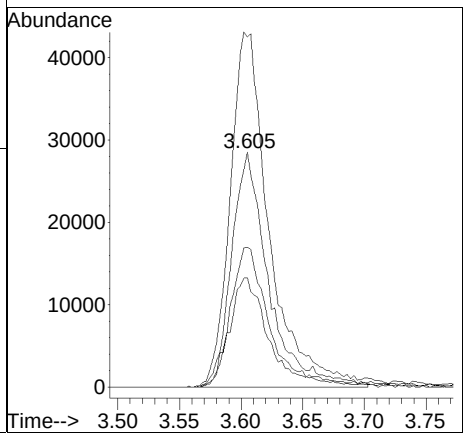


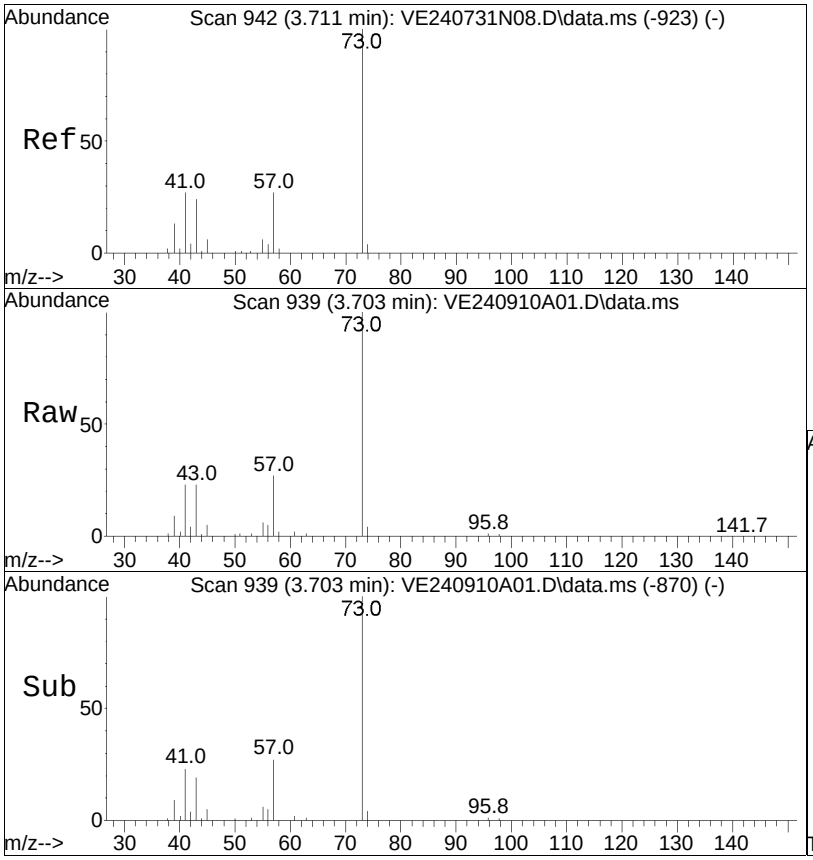


#18
trans-1,2-Dichloroethene
Concen: 11.58 ug/L
RT: 3.605 min Scan# 904
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 96 Resp: 60219

Ion	Ratio	Lower	Upper
96	100		
61	158.4	93.5	194.1
98	59.3	37.8	78.6
63	49.7	29.7	61.7

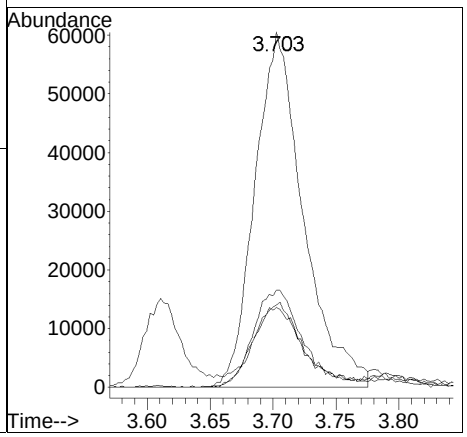


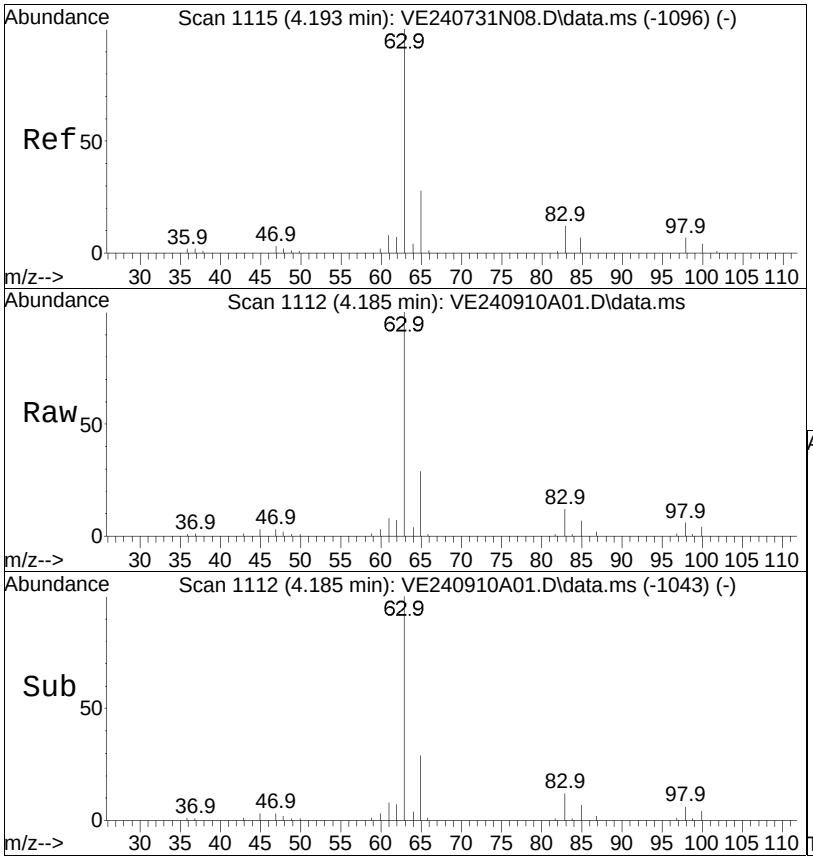


#21
Methyl tert-butyl ether
Concen: 8.37 ug/L
RT: 3.703 min Scan# 939
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 73 Resp: 162320

Ion	Ratio	Lower	Upper
73	100		
57	27.1	16.1	33.3
43	20.2	17.0	35.2
41	24.2	18.7	38.9

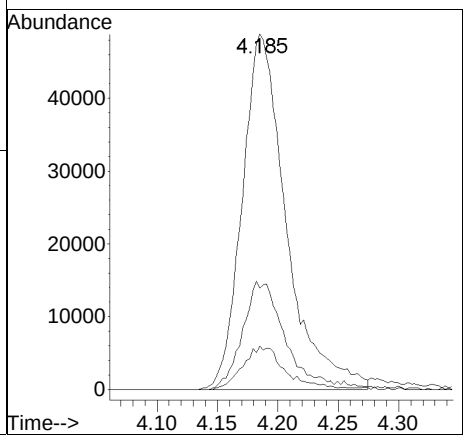


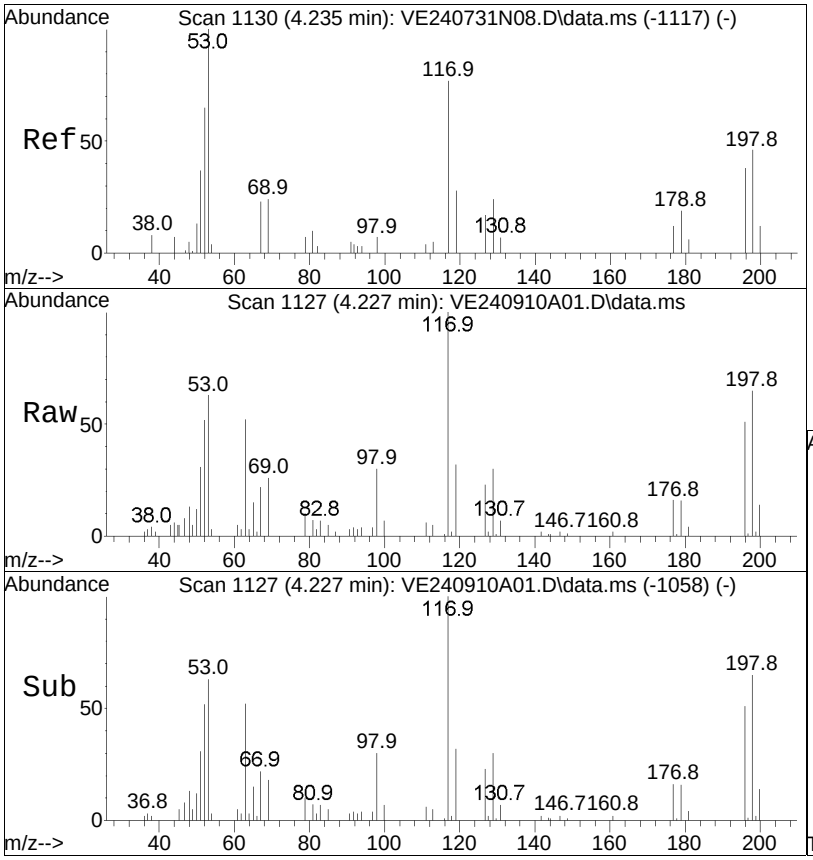


#25
1,1-Dichloroethane
Concen: 10.15 ug/L
RT: 4.185 min Scan# 1112
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 63 Resp: 123916

Ion	Ratio	Lower	Upper
63	100		
65	28.8	10.3	50.3
83	11.5	0.0	33.1

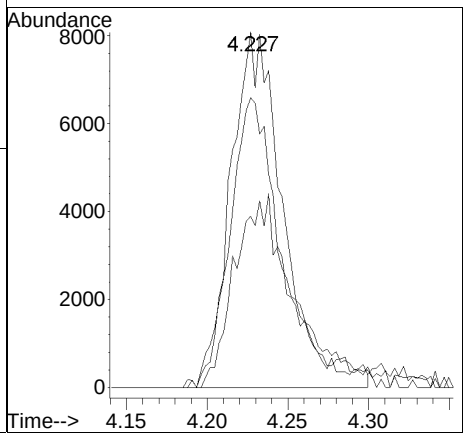


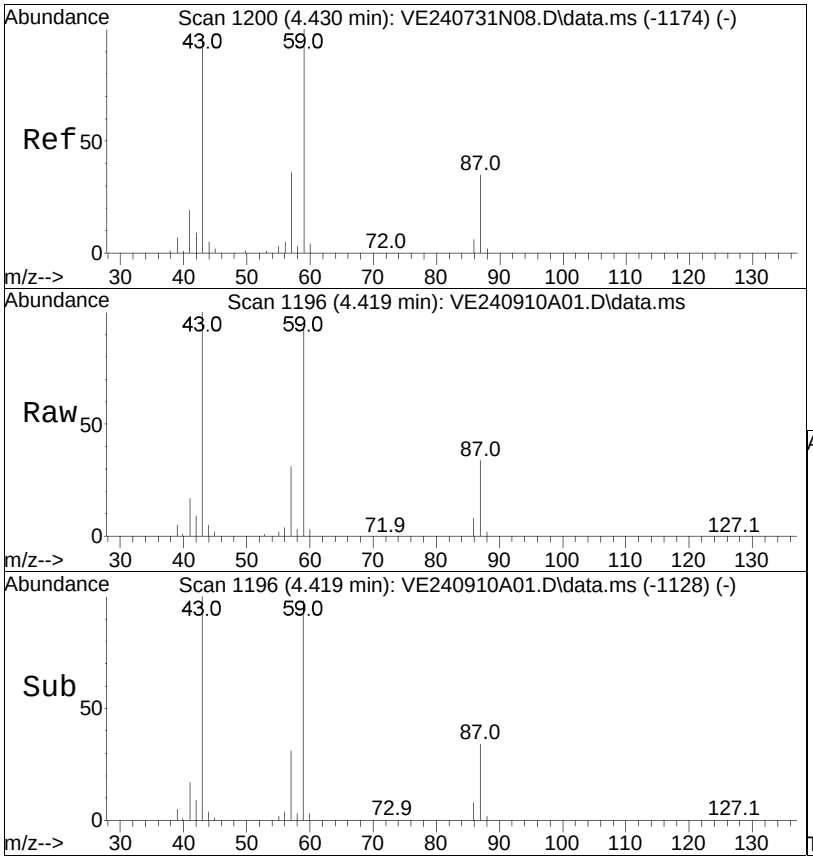


#27
Acrylonitrile
Concen: 7.31 ug/L M1
RT: 4.227 min Scan# 1127
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 53 Resp: 18609

Ion	Ratio	Lower	Upper
53	100		
52	77.2	58.9	88.3
51	55.6	40.2	60.2

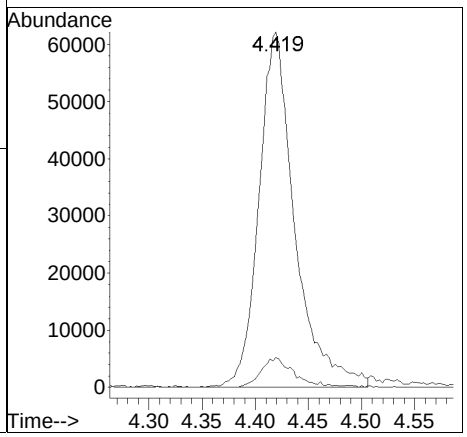


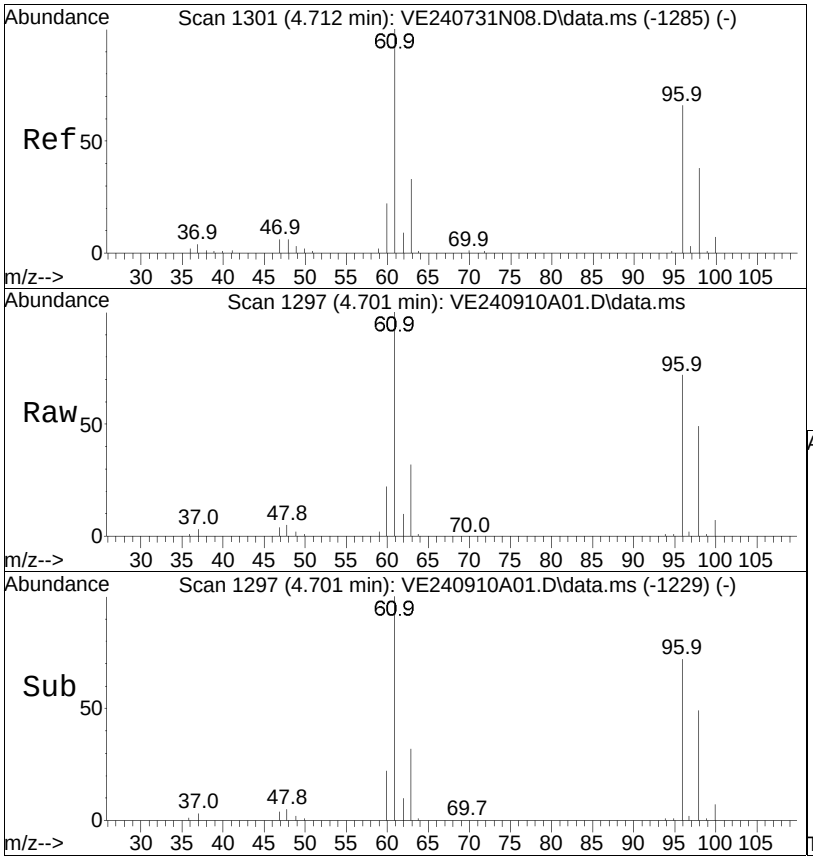


#29
Vinyl acetate
Concen: 7.93 ug/L
RT: 4.419 min Scan# 1196
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 43 Resp: 146603

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.2	9.4

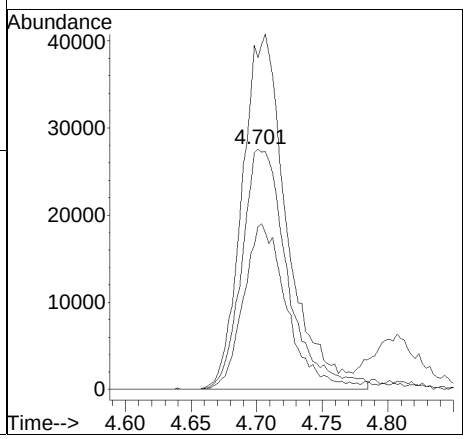


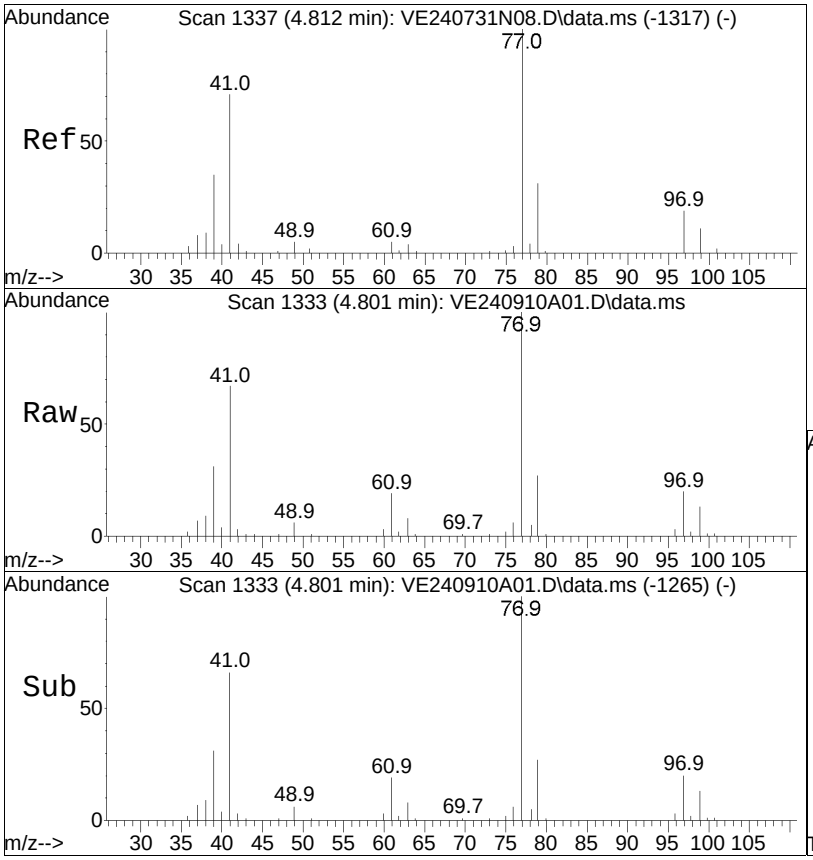


#30
cis-1,2-Dichloroethene
Concen: 10.78 ug/L
RT: 4.701 min Scan# 1297
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 96 Resp: 67161

Ion	Ratio	Lower	Upper
96	100		
61	144.1	120.3	180.5
98	65.7	50.2	75.4

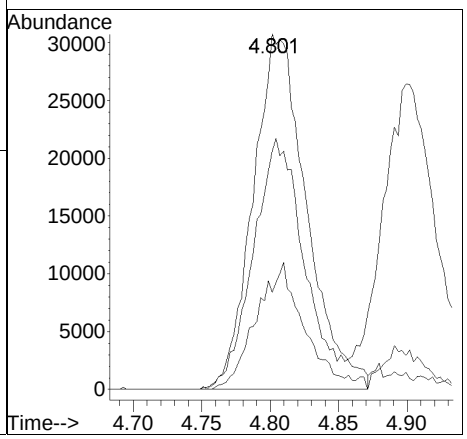


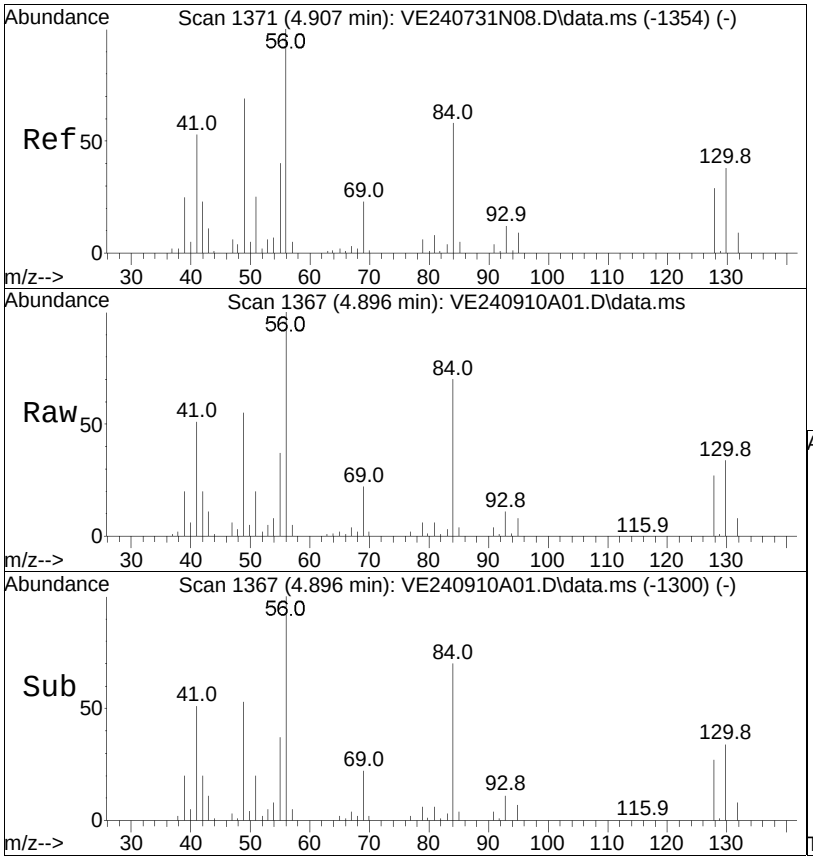


#31
2,2-Dichloropropane
Concen: 10.22 ug/L
RT: 4.801 min Scan# 1333
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 77 Resp: 83459

Ion	Ratio	Lower	Upper
77	100		
41	67.5	46.5	96.5
79	31.9	21.6	45.0

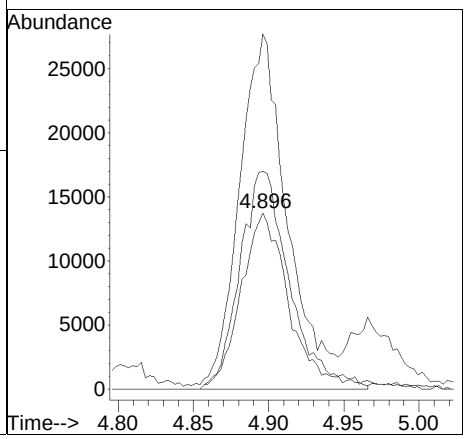


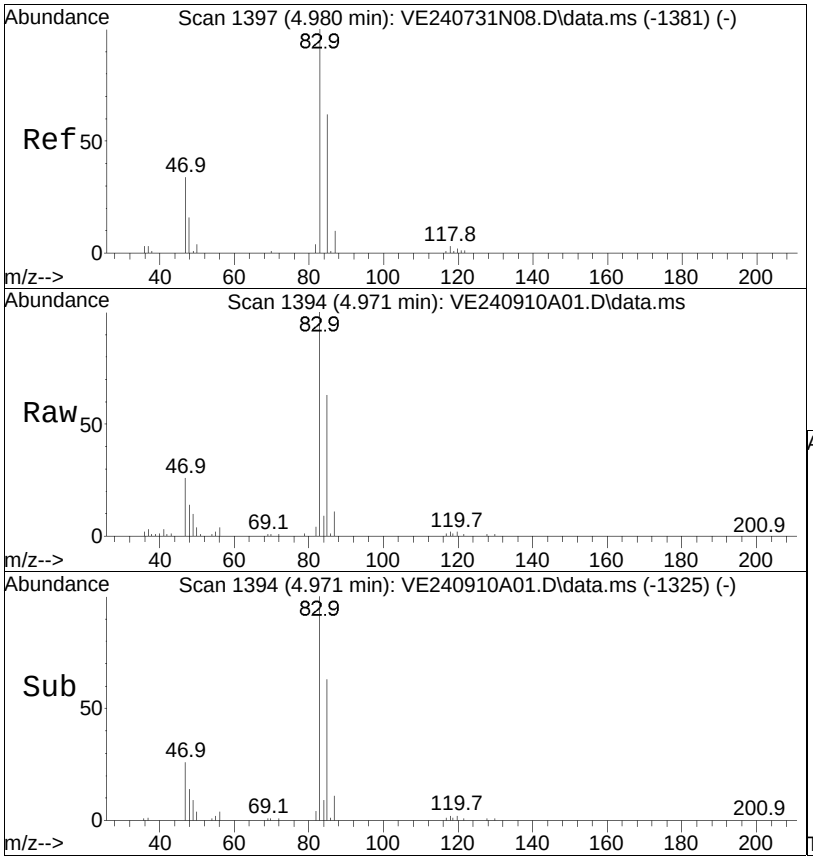


#33
Bromochloromethane
Concen: 11.21 ug/L
RT: 4.896 min Scan# 1367
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:128 Resp: 30635

Ion	Ratio	Lower	Upper
128	100		
49	195.8	170.2	255.2
130	127.9	103.7	155.5

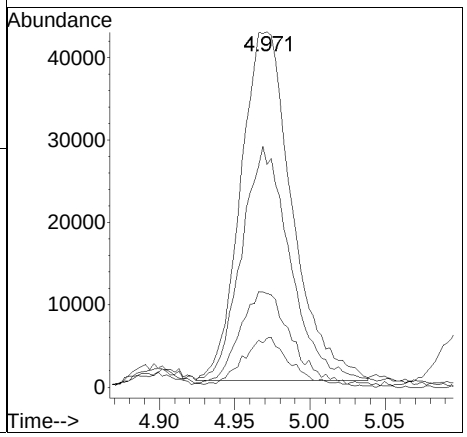


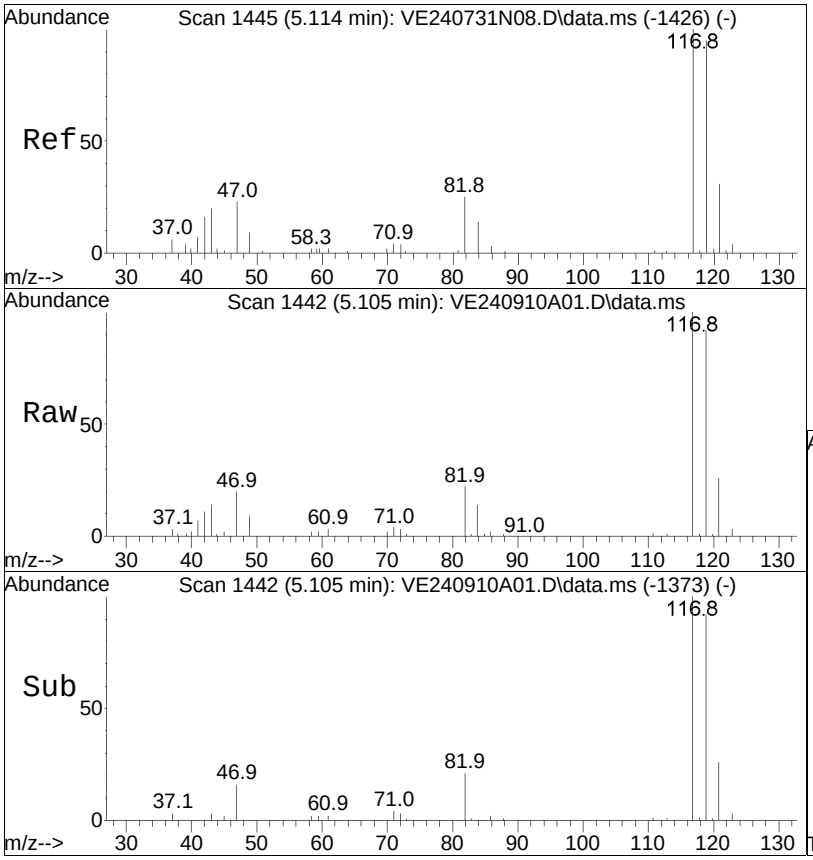


#35
Chloroform
Concen: 9.99 ug/L
RT: 4.971 min Scan# 1394
Delta R.T. -0.009 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 83 Resp: 101073

Ion	Ratio	Lower	Upper
83	100		
85	65.1	41.3	85.9
47	26.3	20.9	43.3
48	13.1	10.3	21.5

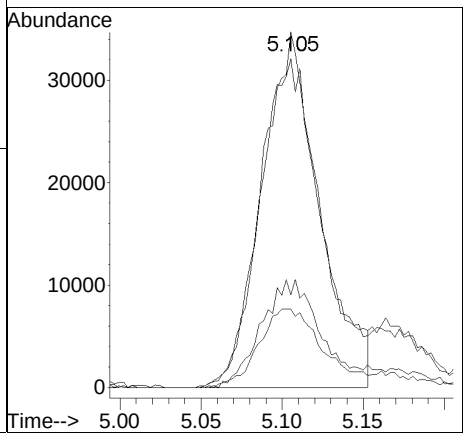


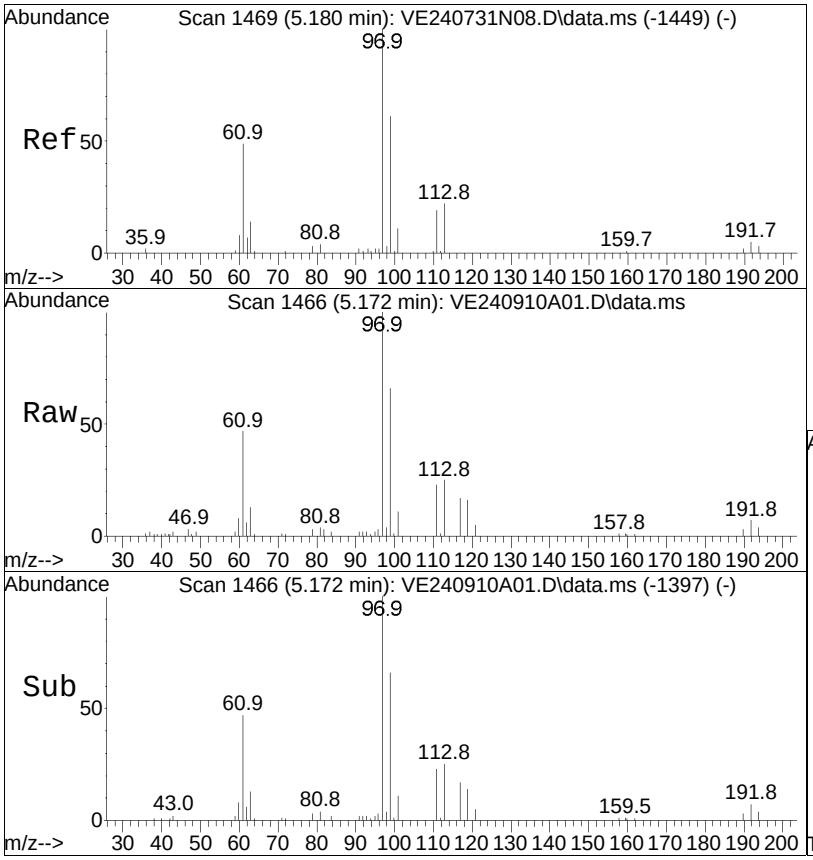


#37
Carbon tetrachloride
Concen: 11.23 ug/L
RT: 5.105 min Scan# 1442
Delta R.T. -0.009 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:117 Resp: 86740

Ion	Ratio	Lower	Upper
117	100		
119	97.3	60.6	126.0
121	30.8	18.0	37.4
82	24.1	19.8	41.0

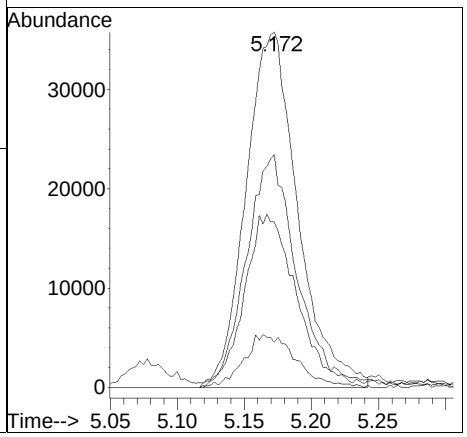


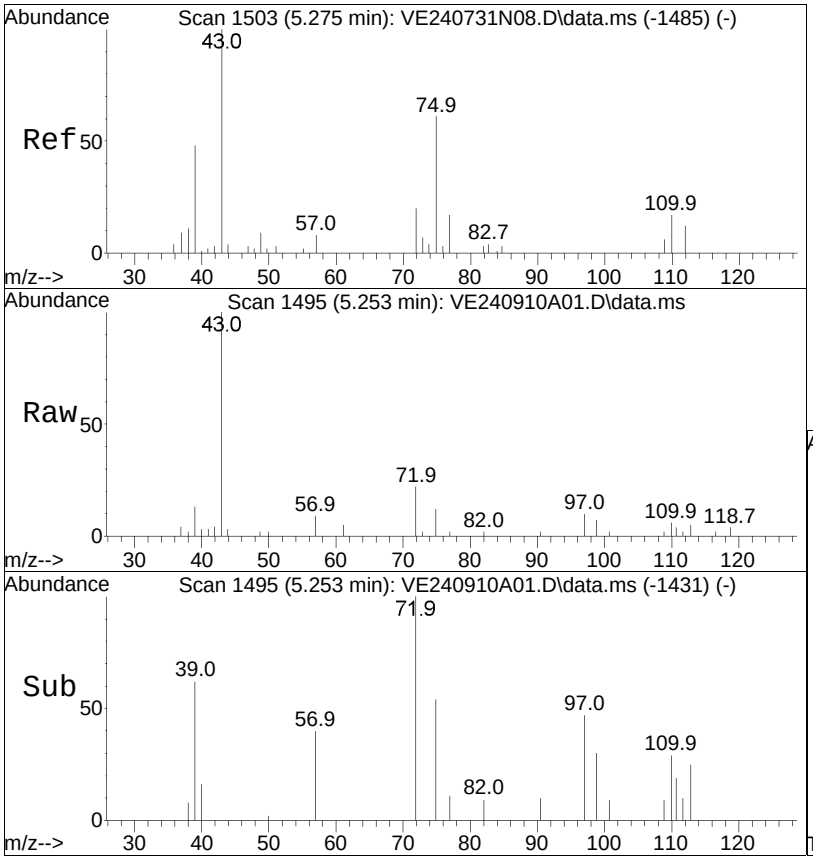


#40
1,1,1-Trichloroethane
Concen: 10.50 ug/L
RT: 5.172 min Scan# 1466
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 97 Resp: 96483

Ion	Ratio	Lower	Upper
97	100		
99	63.7	40.2	83.4
61	46.5	36.9	76.5
63	15.0	8.3	17.3

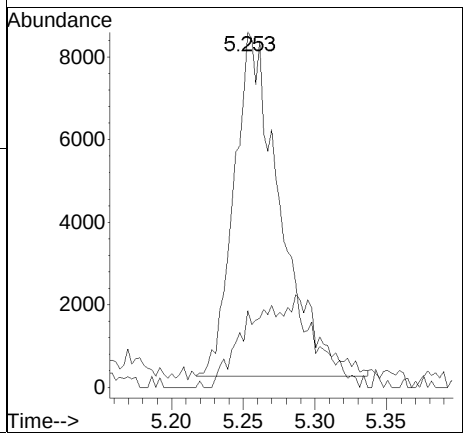


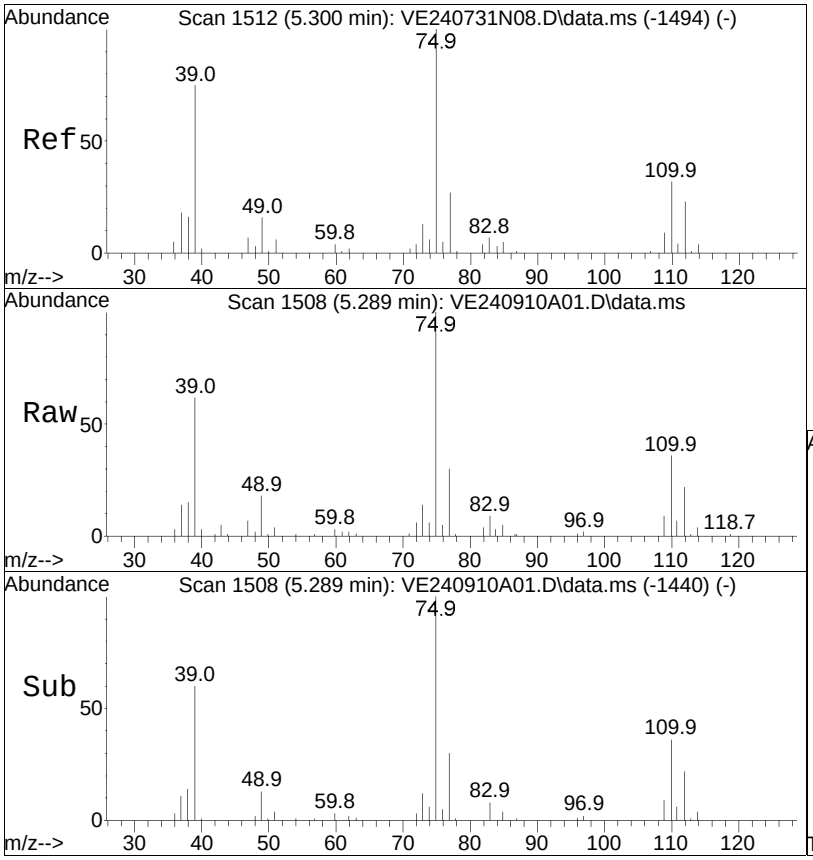


#42
2-Butanone
Concen: 5.79 ug/L
RT: 5.253 min Scan# 1495
Delta R.T. -0.022 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 43 Resp: 18347

Ion	Ratio	Lower	Upper
43	100		
72	21.8	15.7	23.5

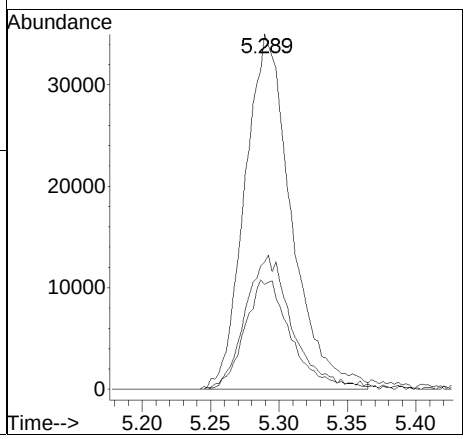


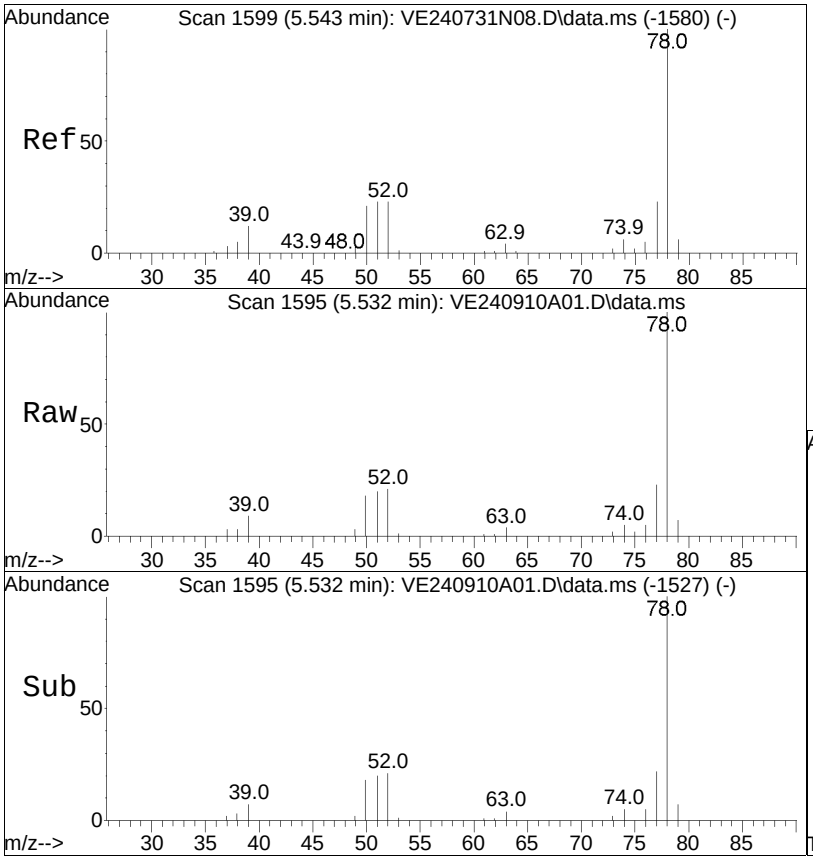


#43
1,1-Dichloropropene
Concen: 10.72 ug/L
RT: 5.289 min Scan# 1508
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 75 Resp: 82880

Ion	Ratio	Lower	Upper
75	100		
110	37.7	20.3	42.1
77	30.8	18.9	39.3

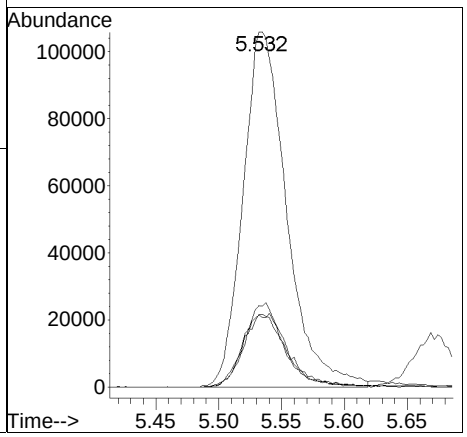


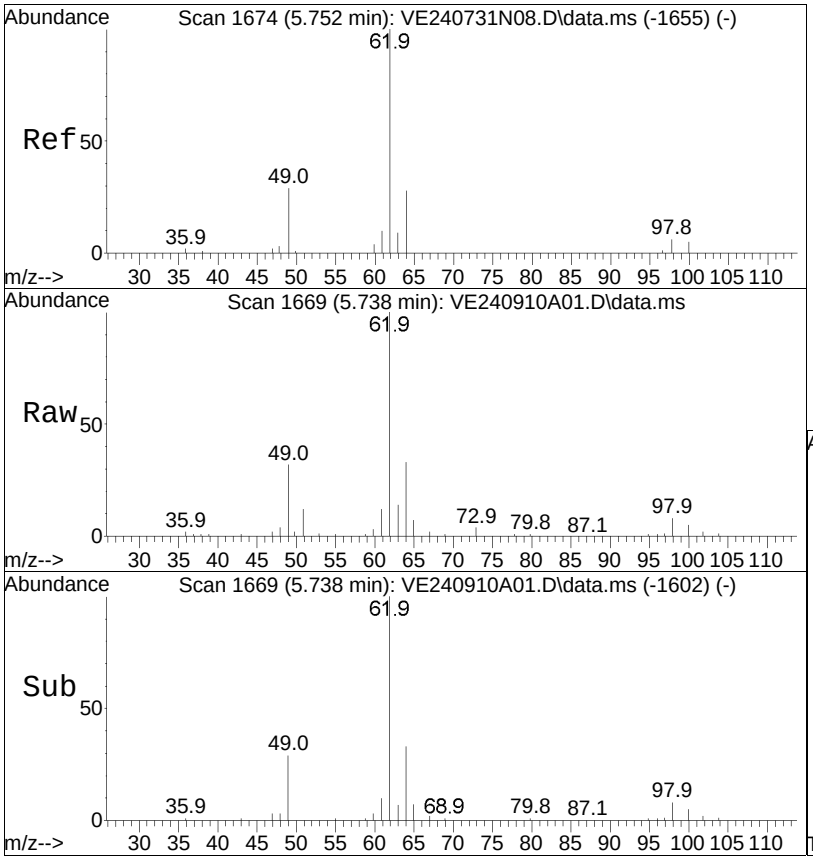


#45
Benzene
Concen: 10.70 ug/L
RT: 5.532 min Scan# 1595
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 78 Resp: 255985

Ion	Ratio	Lower	Upper
78	100		
77	23.2	12.8	26.6
51	20.9	13.5	27.9
52	19.9	12.0	25.0

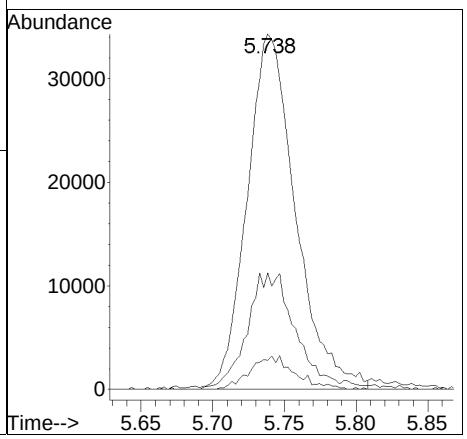


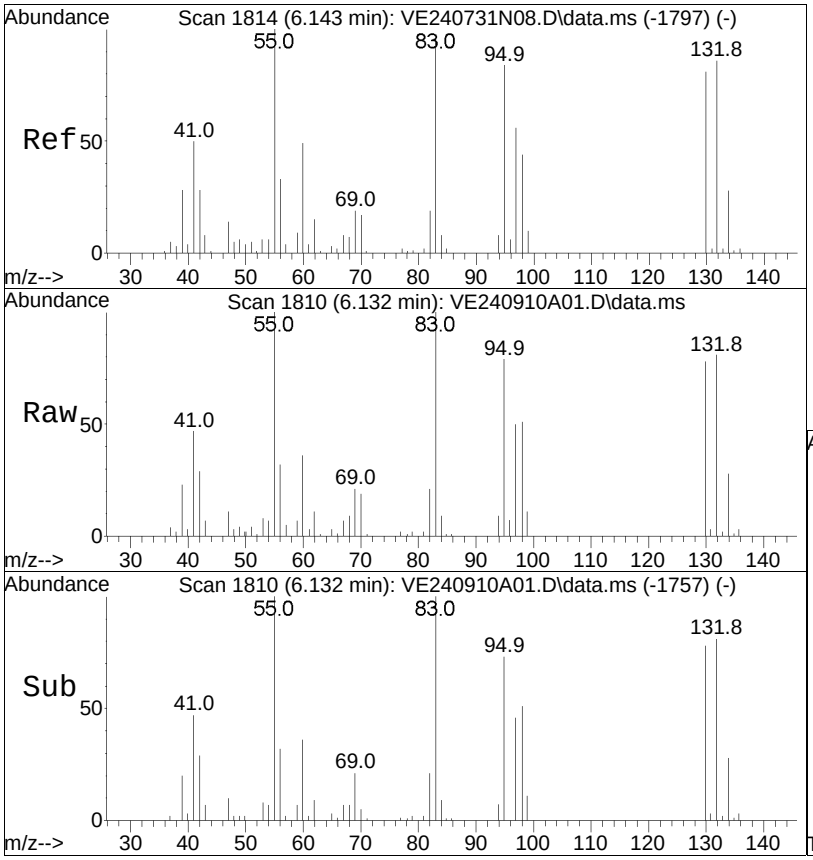


#48
1,2-Dichloroethane
Concen: 8.76 ug/L
RT: 5.738 min Scan# 1669
Delta R.T. -0.014 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 62 Resp: 80906

Ion	Ratio	Lower	Upper
62	100		
64	30.9	12.0	52.0
98	8.7	0.0	29.1

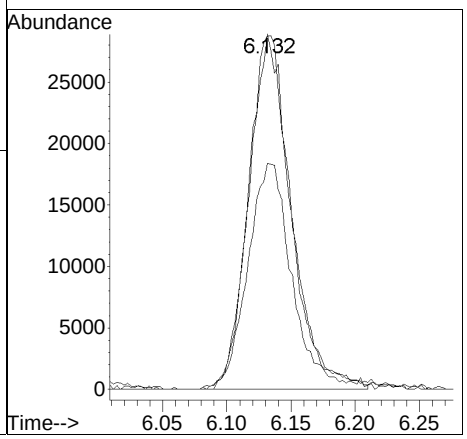


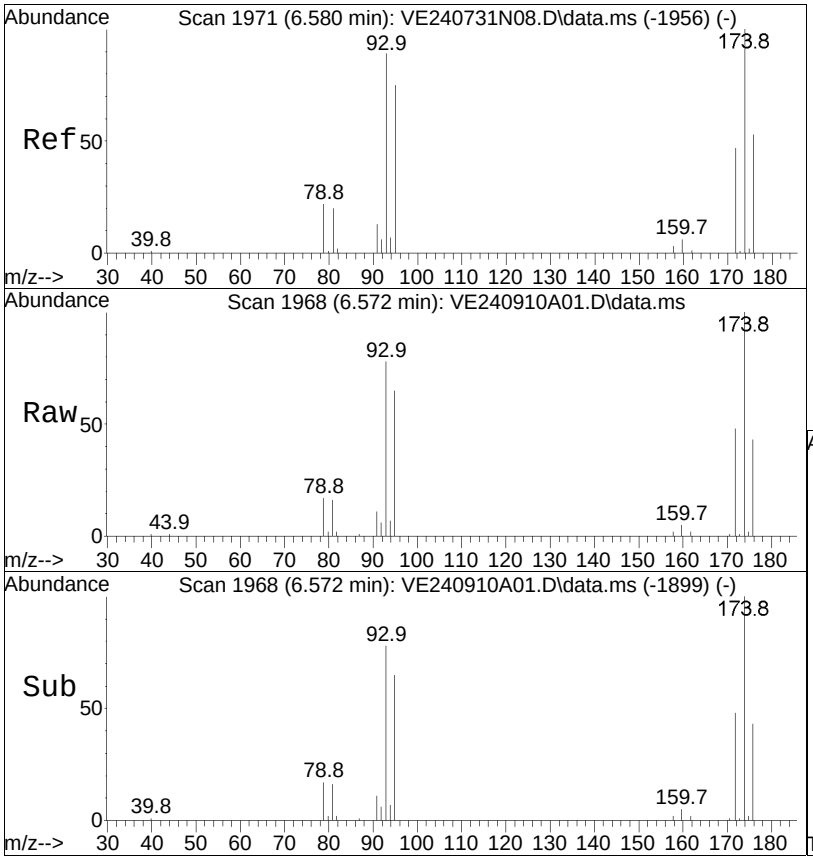


#52
Trichloroethene
Concen: 10.96 ug/L
RT: 6.132 min Scan# 1810
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 95 Resp: 65940

Ion	Ratio	Lower	Upper
95	100		
97	66.7	50.2	75.2
130	102.3	78.2	117.4

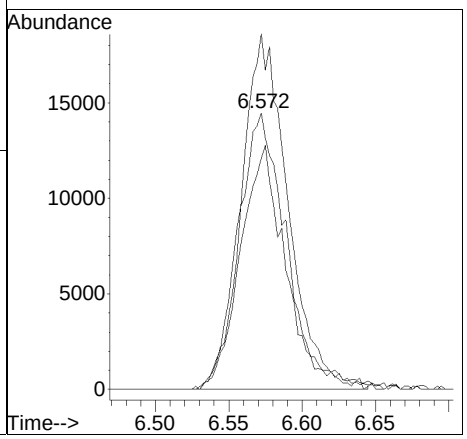


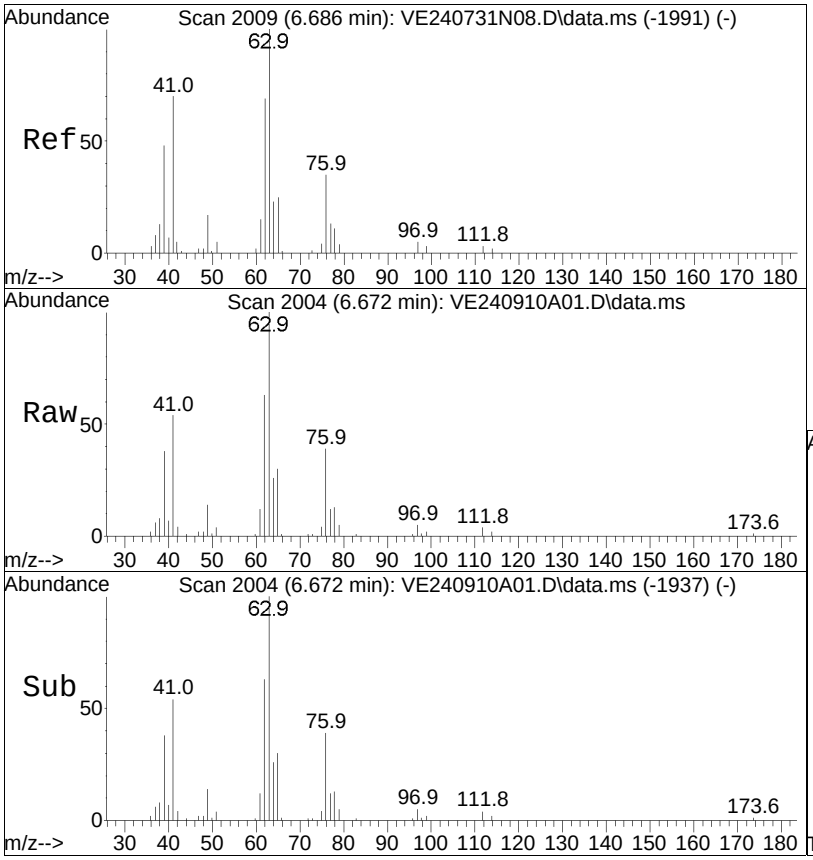


#54
Dibromomethane
Concen: 9.40 ug/L
RT: 6.572 min Scan# 1968
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 93 Resp: 32578

Ion	Ratio	Lower	Upper
93	100		
95	83.8	73.2	109.8
174	127.6	73.8	110.8#

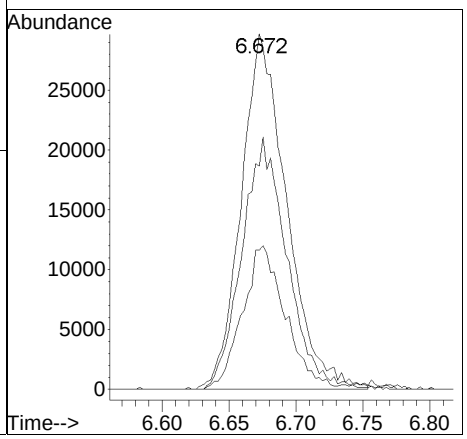


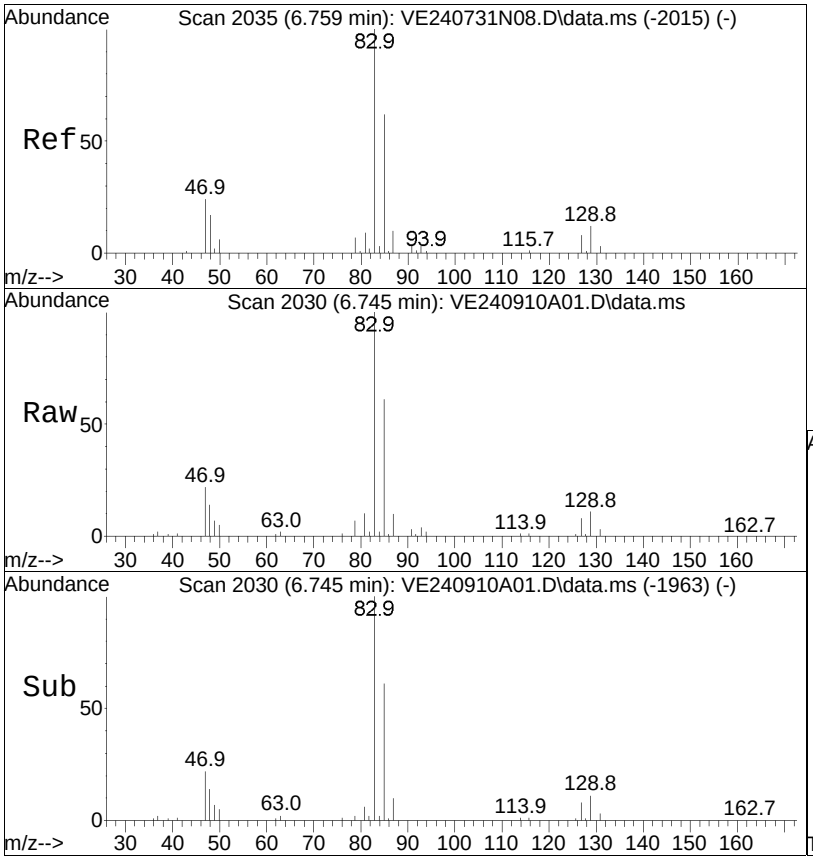


#55
1,2-Dichloropropane
Concen: 9.72 ug/L
RT: 6.672 min Scan# 2004
Delta R.T. -0.014 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 63 Resp: 70205

Ion	Ratio	Lower	Upper
63	100		
62	70.1	58.4	87.6
76	38.1	28.7	43.1

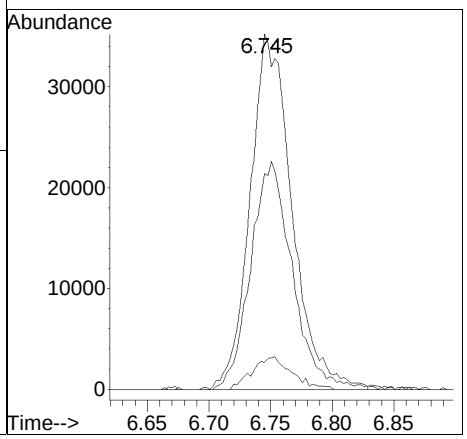


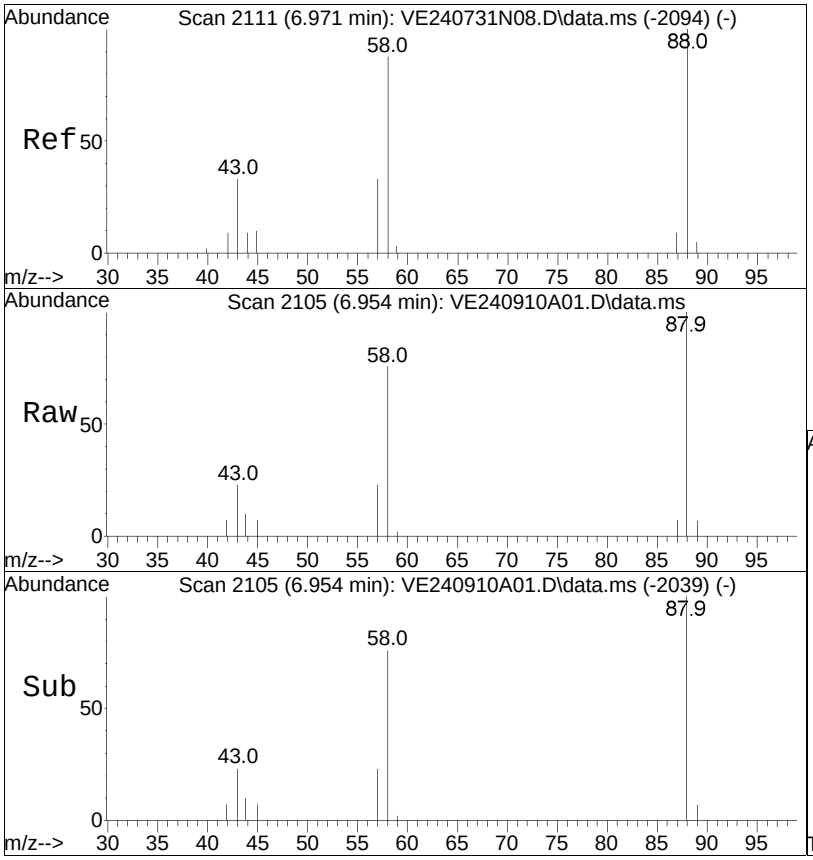


#58
Bromodichloromethane
Concen: 9.70 ug/L
RT: 6.745 min Scan# 2030
Delta R.T. -0.014 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 83 Resp: 83063

Ion	Ratio	Lower	Upper
83	100		
85	63.5	46.6	69.8
127	8.7	6.2	9.4

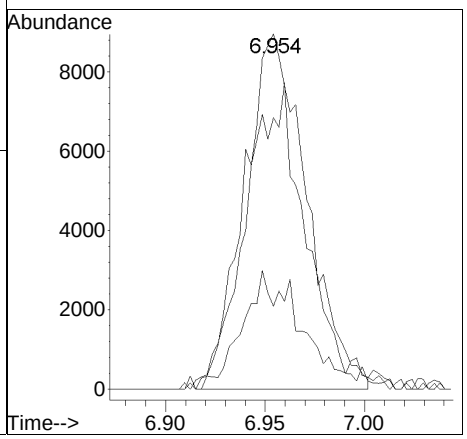


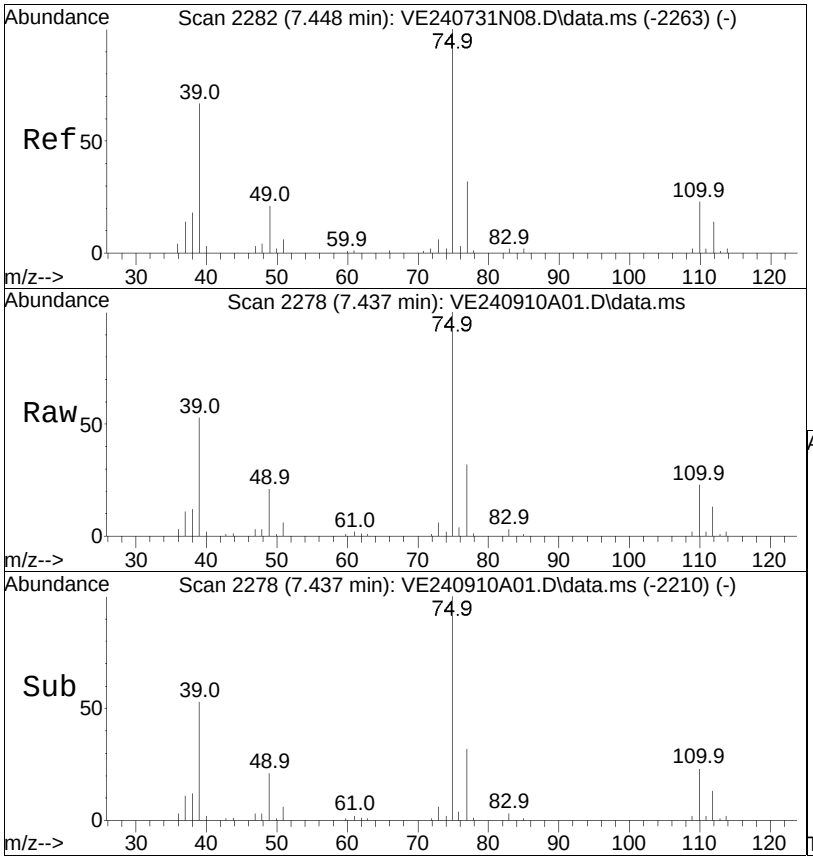


#61
1,4-Dioxane
Concen: 339.46 ug/L
RT: 6.954 min Scan# 2105
Delta R.T. -0.017 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 88 Resp: 19677

Ion	Ratio	Lower	Upper
88	100		
58	35.8	62.8	94.2#
43	16.0	36.6	55.0#

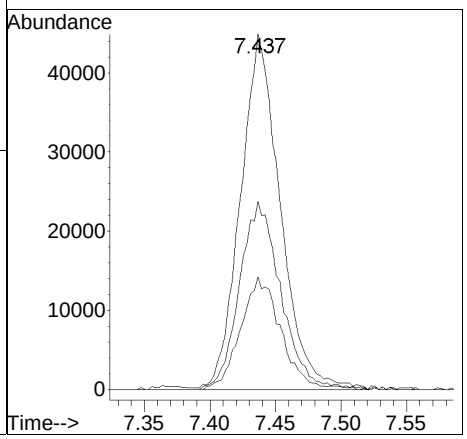


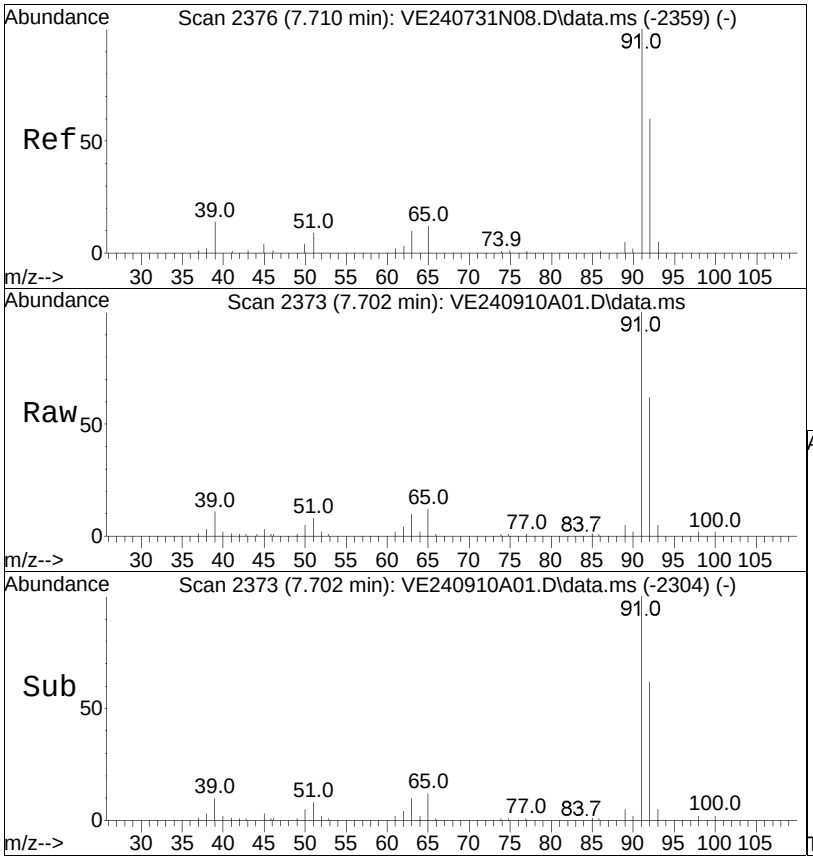


#62
cis-1,3-Dichloropropene
Concen: 9.86 ug/L
RT: 7.437 min Scan# 2278
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 75 Resp: 94983

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	54.9	50.7	76.1

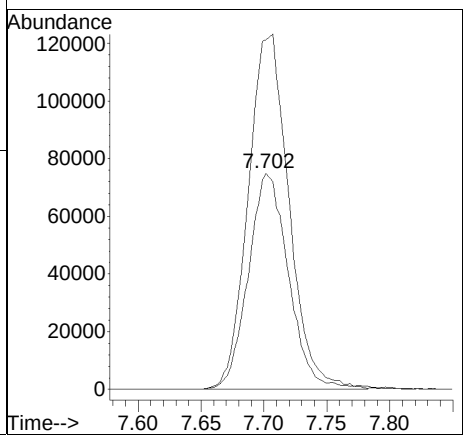


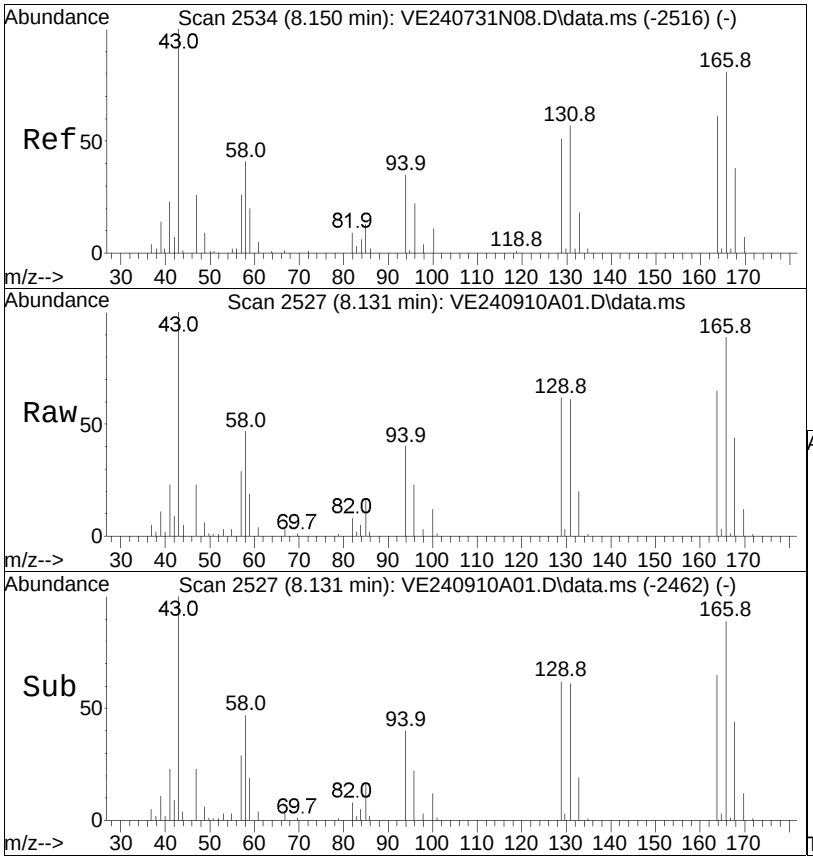


#65
Toluene
Concen: 10.70 ug/L
RT: 7.702 min Scan# 2373
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 92 Resp: 166624

Ion	Ratio	Lower	Upper
92	100		
91	167.0	129.1	193.7

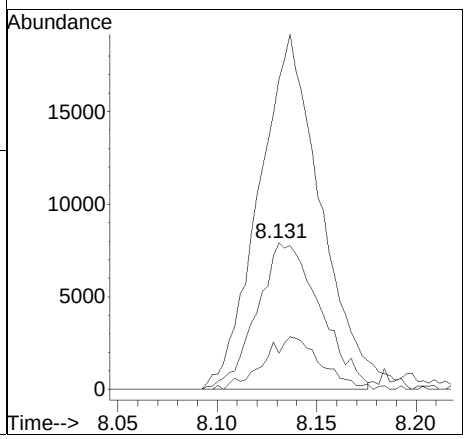


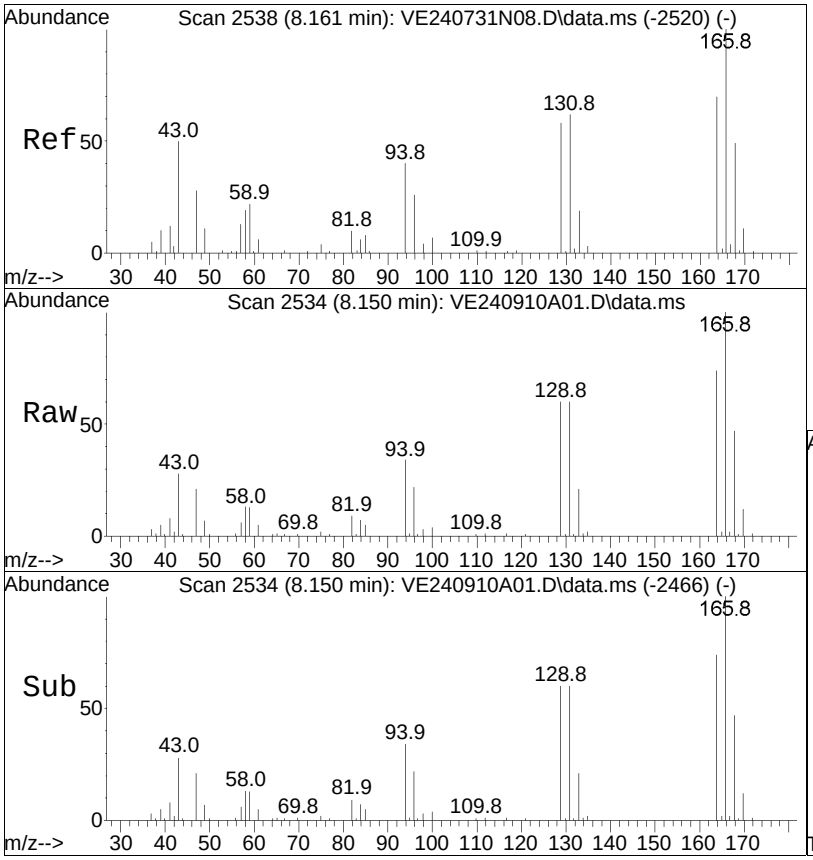


#66
4-Methyl-2-pentanone
Concen: 6.58 ug/L
RT: 8.131 min Scan# 2527
Delta R.T. -0.019 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 58 Resp: 17468

Ion	Ratio	Lower	Upper
58	100		
100	32.5	27.9	41.9
43	239.1	225.7	338.5

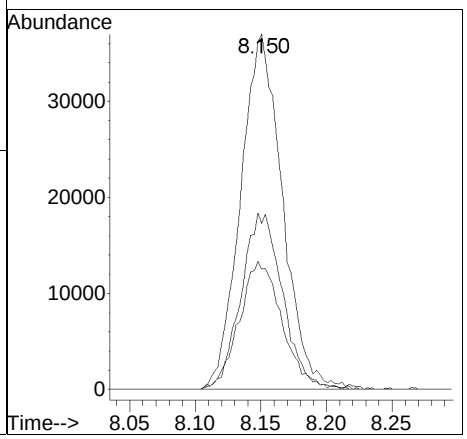


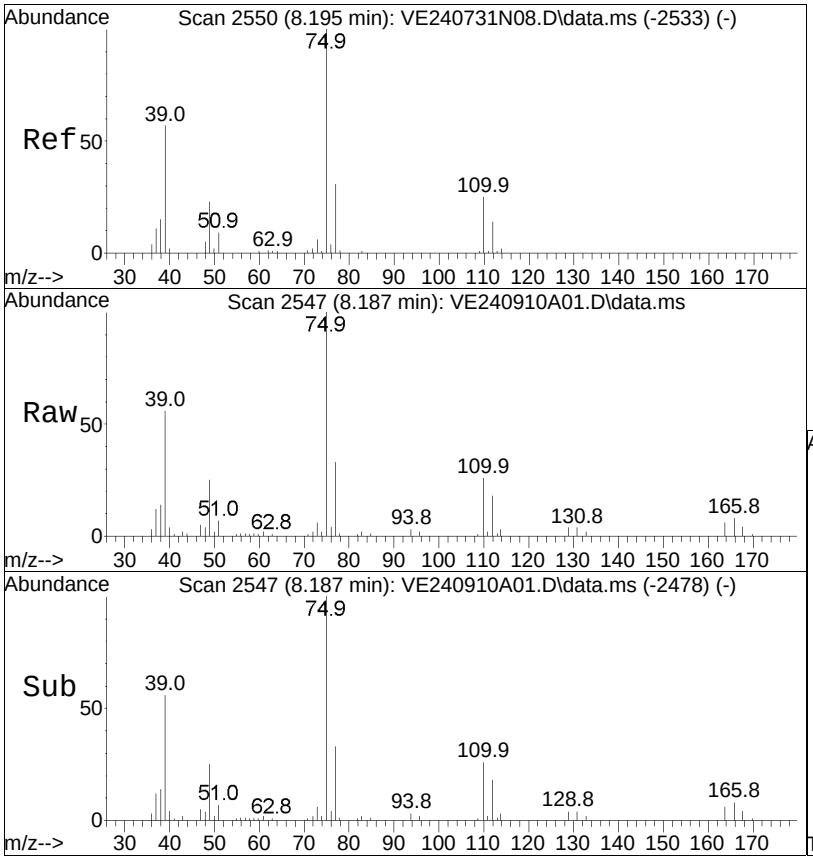


#67
Tetrachloroethene
Concen: 12.46 ug/L
RT: 8.150 min Scan# 2534
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:166 Resp: 82398

Ion	Ratio	Lower	Upper
166	100		
168	49.2	25.8	65.8
94	36.5	24.3	64.3

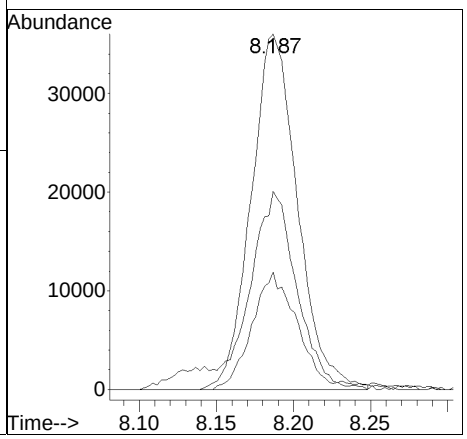


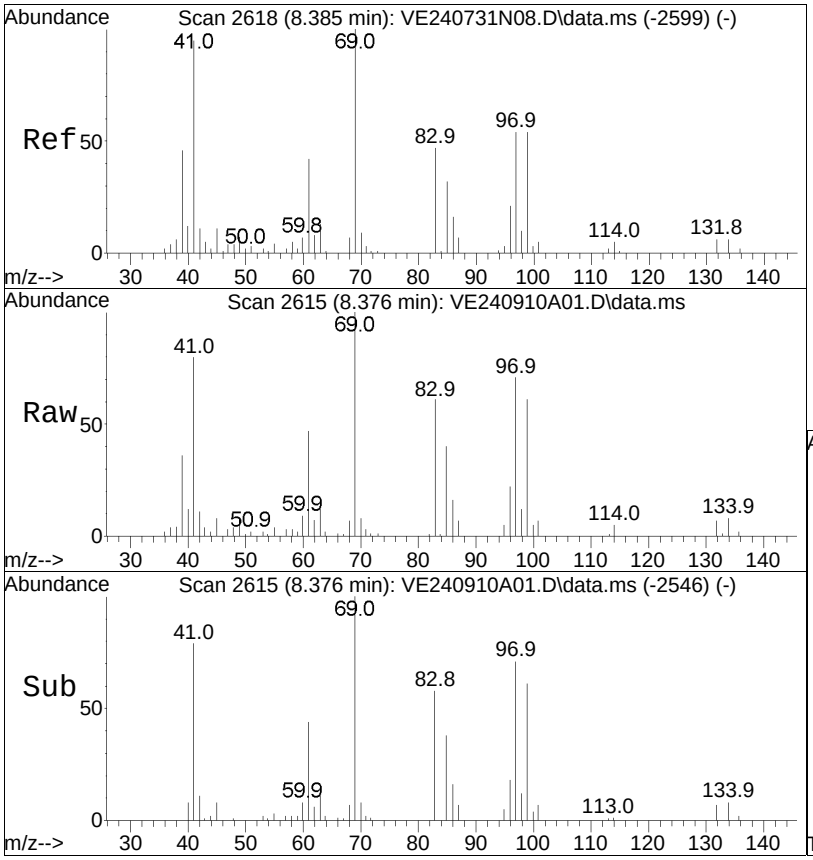


#69
trans-1,3-Dichloropropene
Concen: 8.61 ug/L
RT: 8.187 min Scan# 2547
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 75 Resp: 75508

Ion	Ratio	Lower	Upper
75	100		
77	32.1	10.2	50.2
39	56.1	45.7	85.7

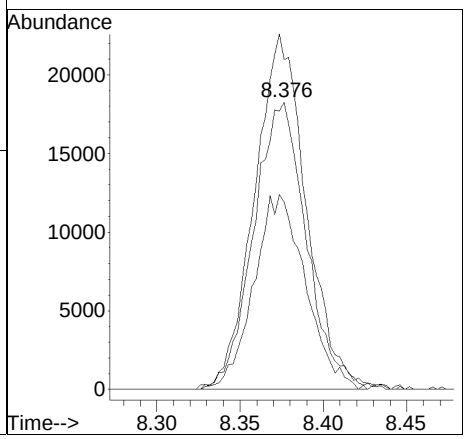


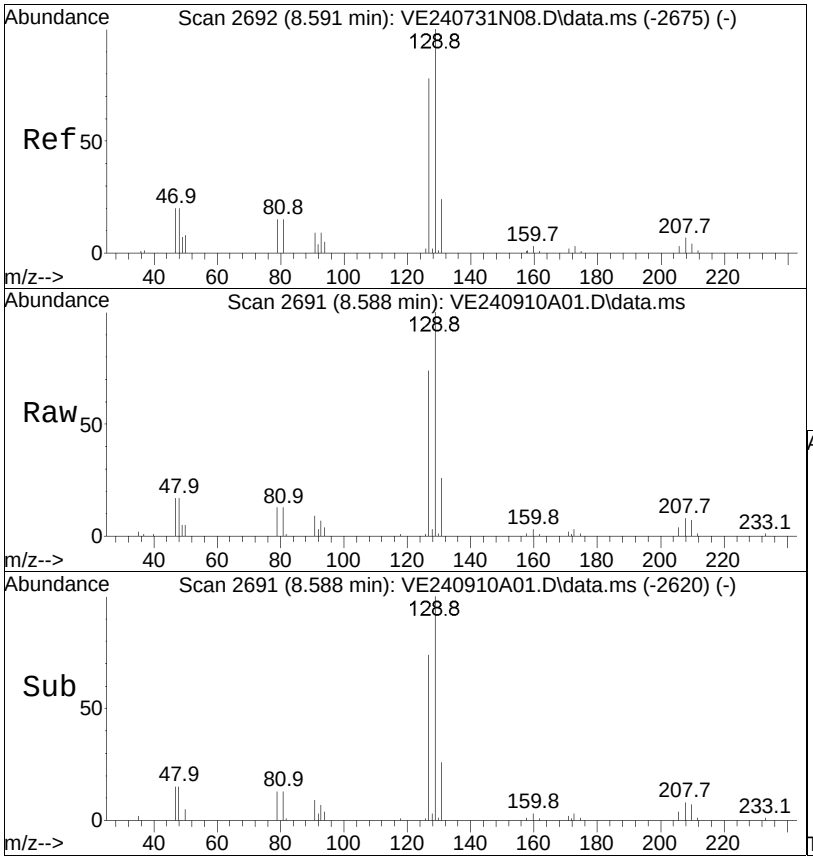


#72
1,1,2-Trichloroethane
Concen: 9.18 ug/L
RT: 8.376 min Scan# 2615
Delta R.T. -0.009 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 83 Resp: 40143

Ion	Ratio	Lower	Upper
83	100		
97	122.5	99.2	139.2
85	66.7	48.7	88.7

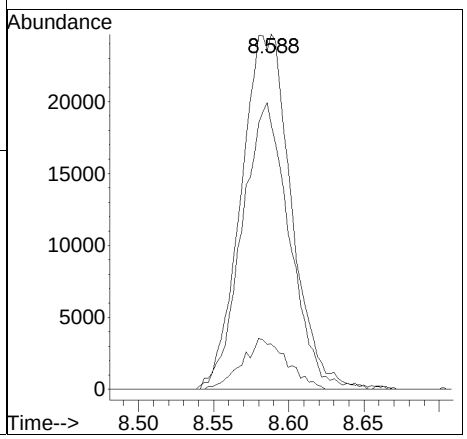


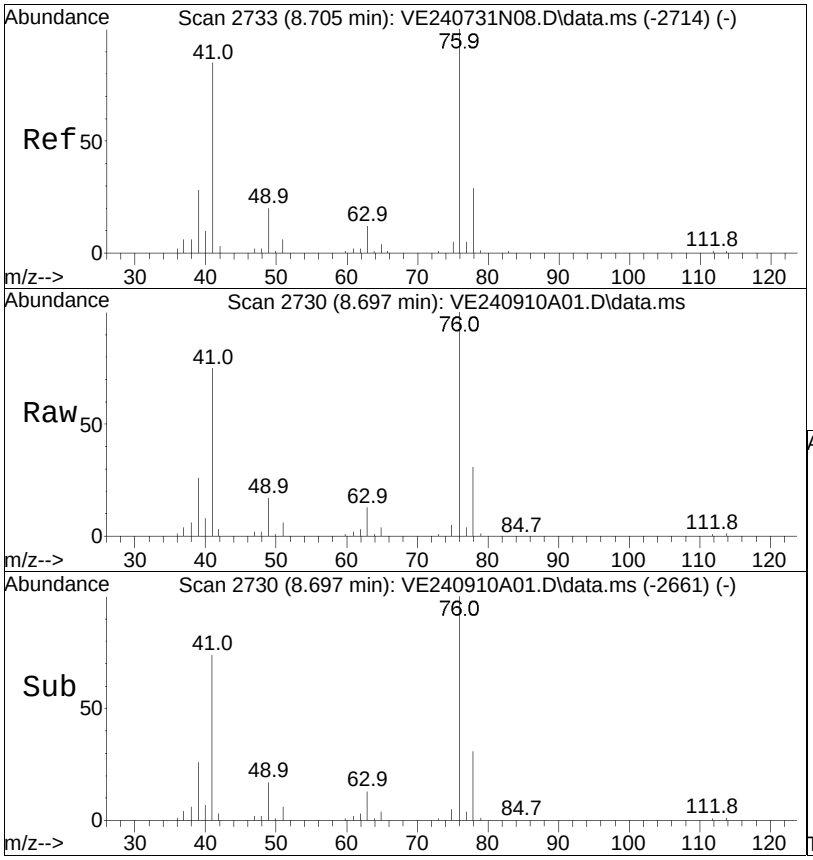


#73
Chlorodibromomethane
Concen: 9.42 ug/L
RT: 8.588 min Scan# 2691
Delta R.T. -0.003 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:129 Resp: 57600

Ion	Ratio	Lower	Upper
129	100		
81	12.8	0.0	39.5
127	76.4	58.6	98.6

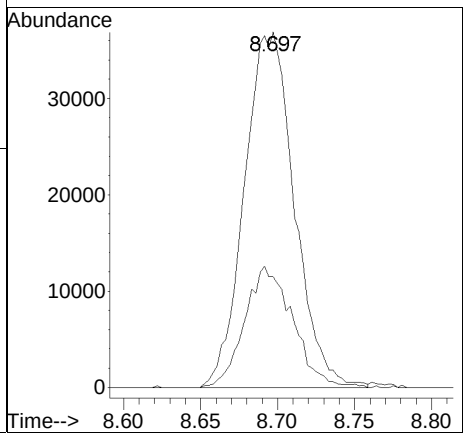


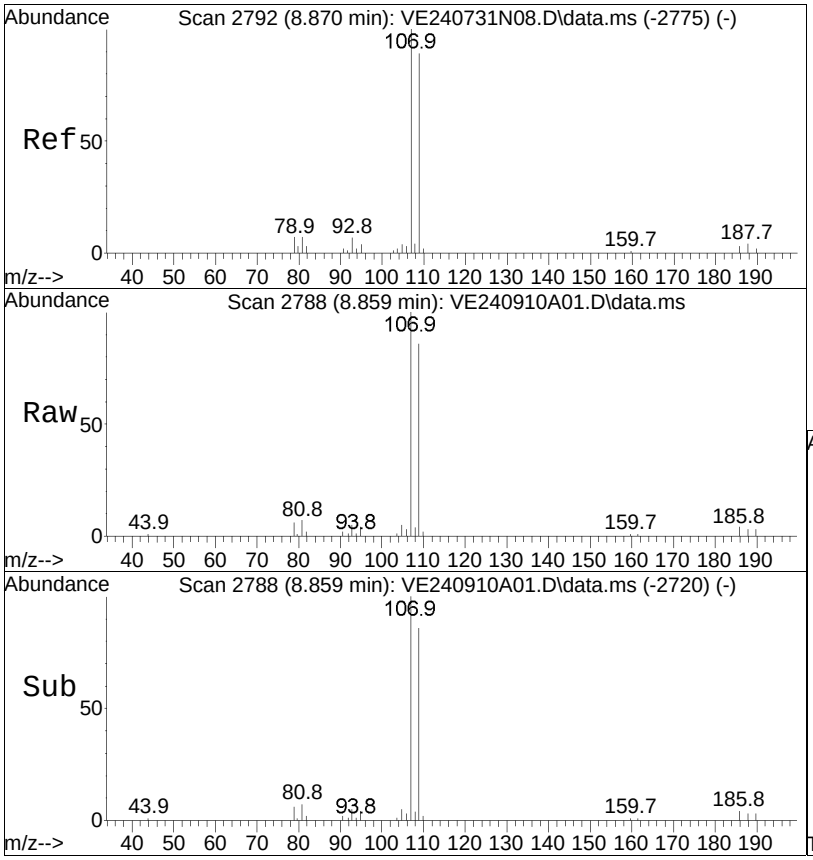


#74
1,3-Dichloropropane
Concen: 9.00 ug/L
RT: 8.697 min Scan# 2730
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 76 Resp: 83058

Ion	Ratio	Lower	Upper
76	100		
78	32.8	27.0	40.4

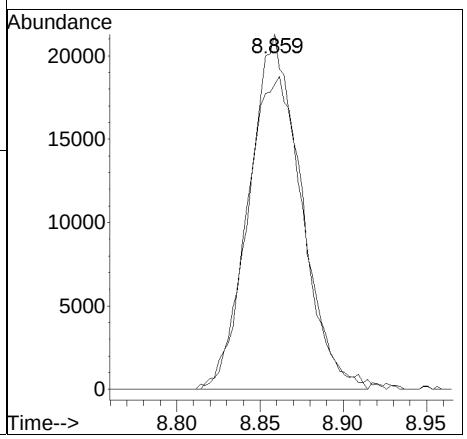


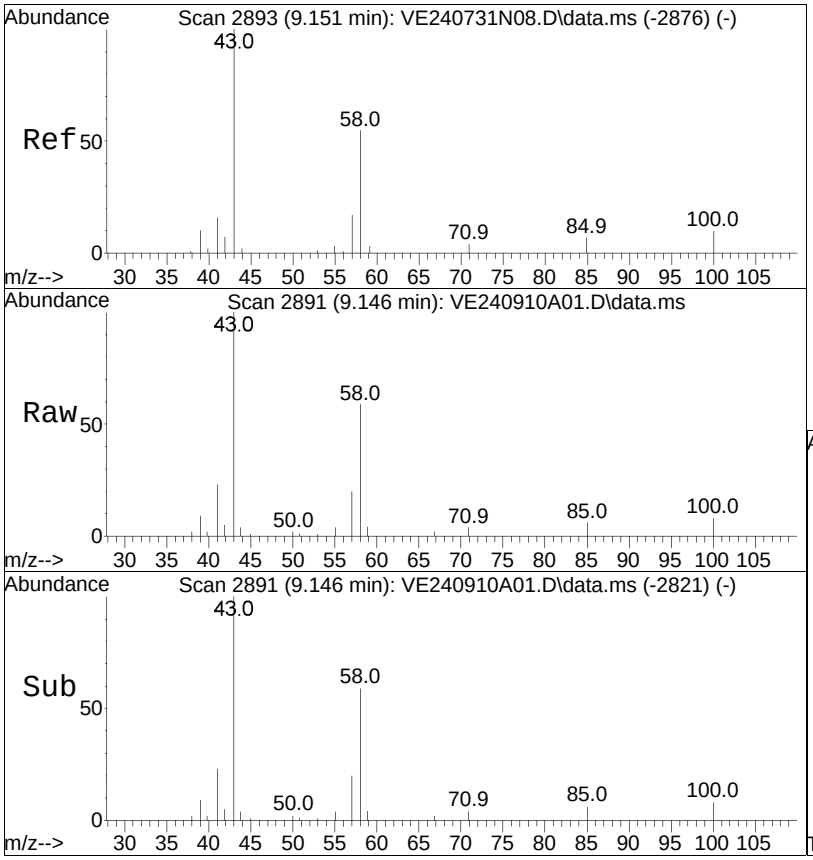


#75
1,2-Dibromoethane
Concen: 8.97 ug/L
RT: 8.859 min Scan# 2788
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:107 Resp: 46363

Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.3	99.5

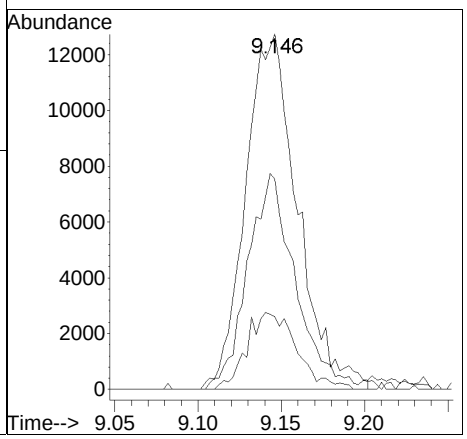


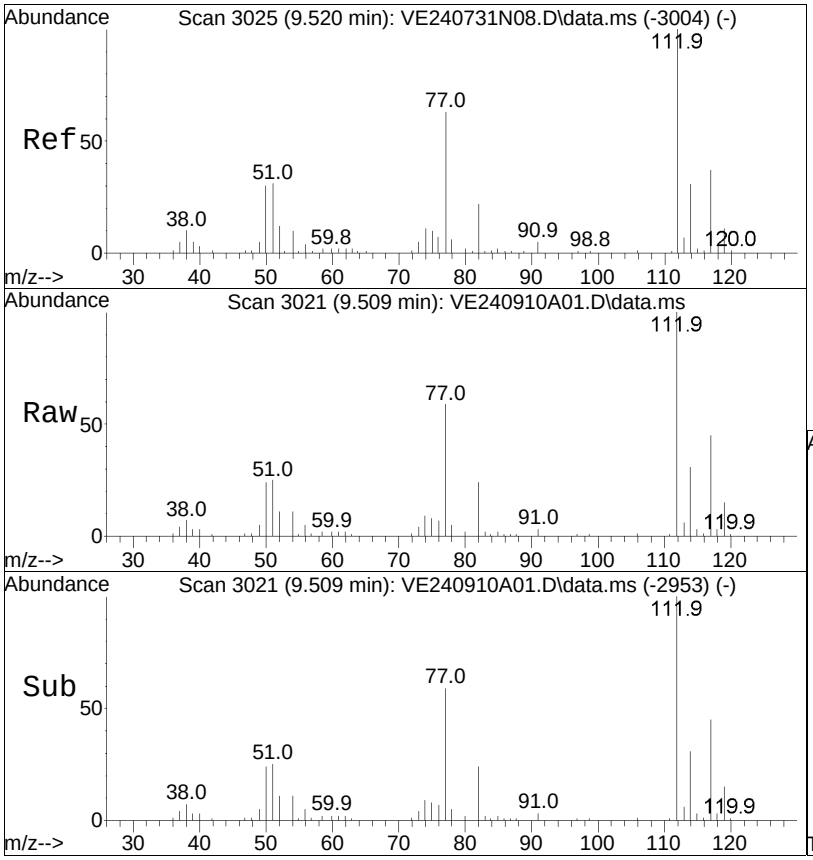


#77
2-Hexanone
Concen: 5.34 ug/L
RT: 9.146 min Scan# 2891
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 43 Resp: 27621

Ion	Ratio	Lower	Upper
43	100		
58	55.6	42.5	63.7
57	20.9	13.9	20.9#

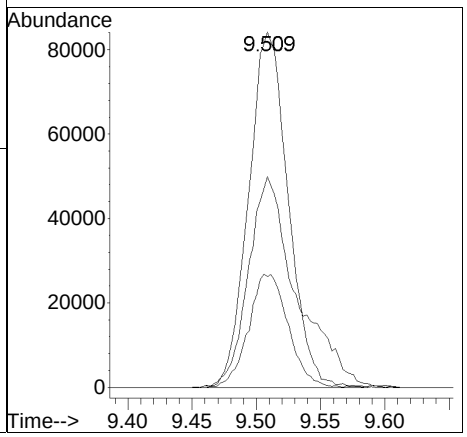


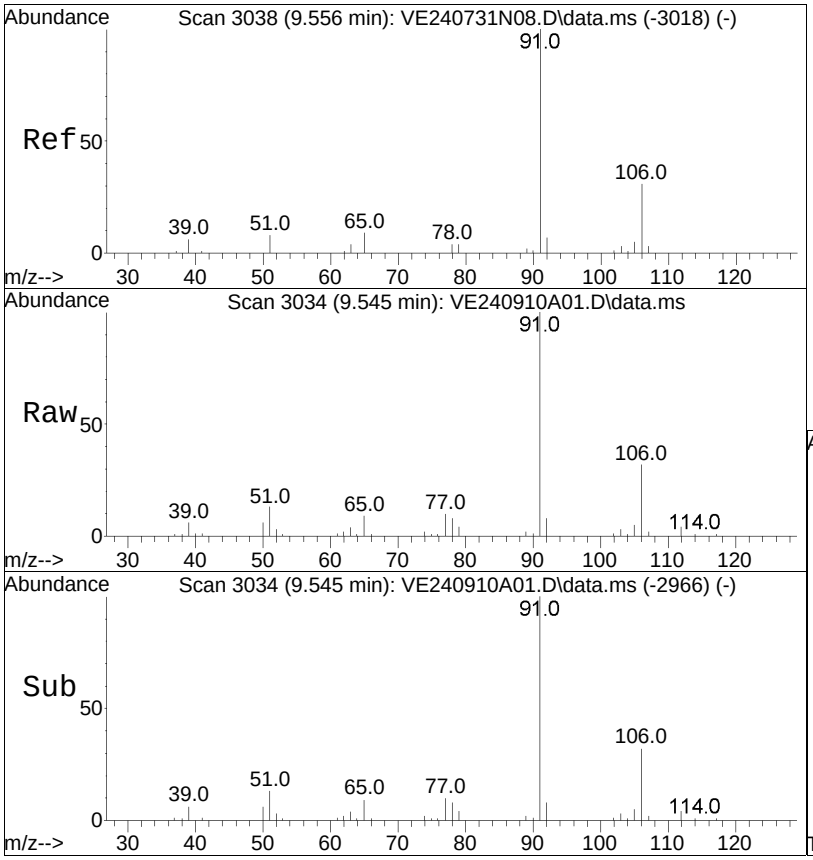


#78
Chlorobenzene
Concen: 10.89 ug/L
RT: 9.509 min Scan# 3021
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:112 Resp: 180657

Ion	Ratio	Lower	Upper
112	100		
77	72.5	46.9	70.3#
114	31.9	23.8	35.6

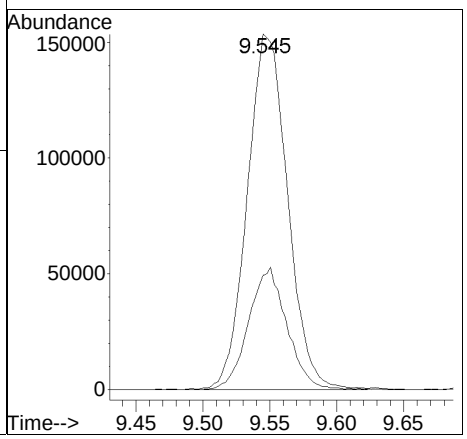


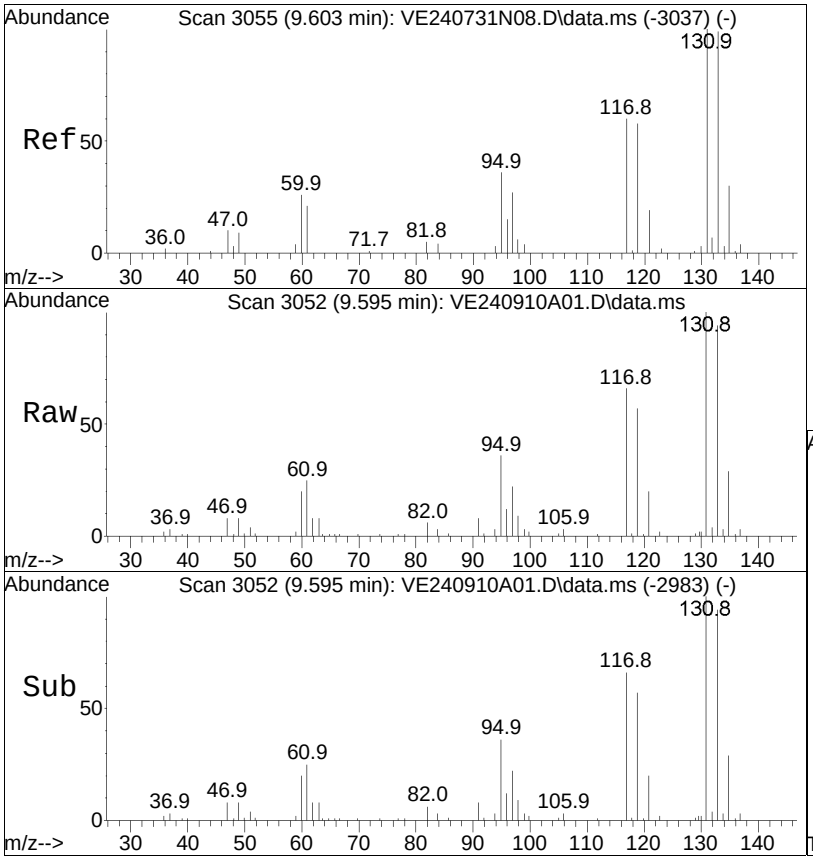


#79
Ethylbenzene
Concen: 10.67 ug/L
RT: 9.545 min Scan# 3034
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 91 Resp: 322100

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.3	37.9

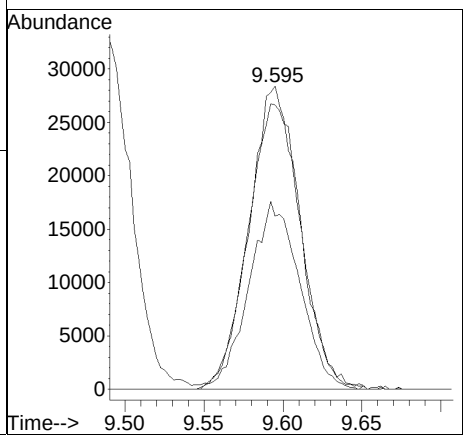


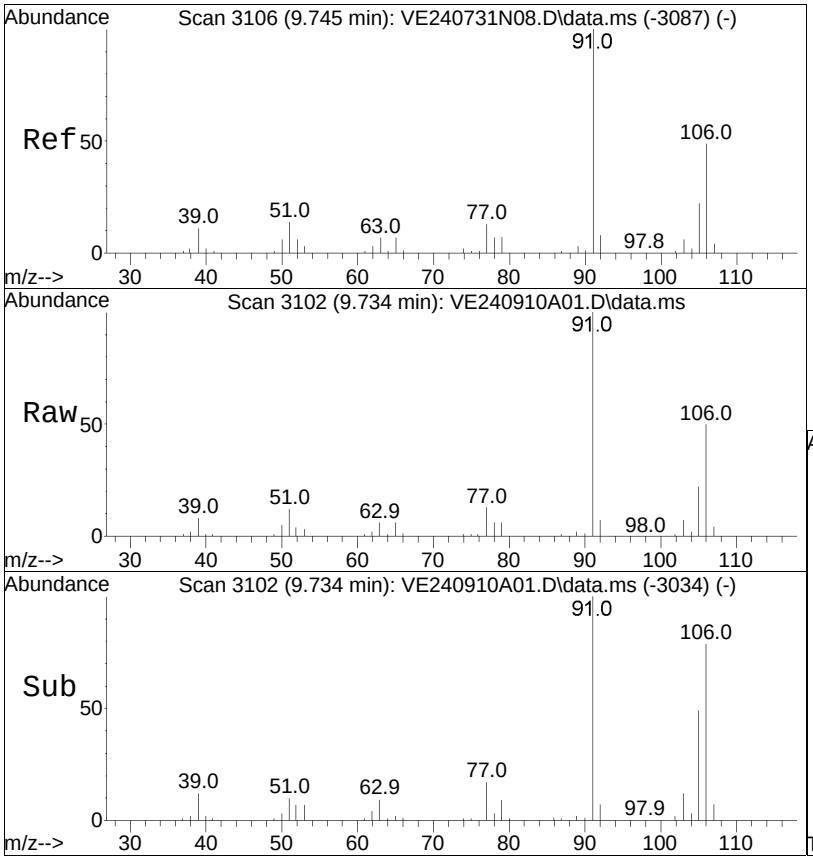


#80
1,1,1,2-Tetrachloroethane
Concen: 10.49 ug/L
RT: 9.595 min Scan# 3052
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:131 Resp: 63839

Ion	Ratio	Lower	Upper
131	100		
133	97.7	72.9	112.9
119	61.8	39.6	79.6

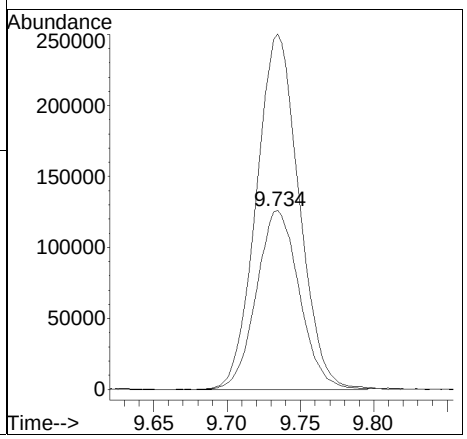


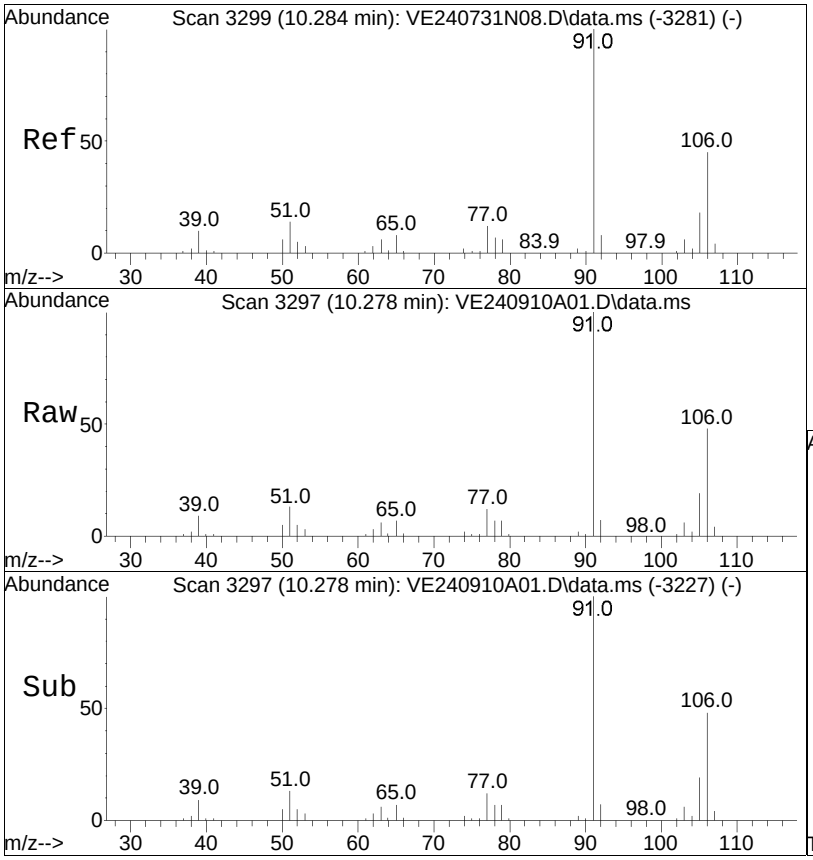


#81
p/m Xylene
Concen: 22.33 ug/L
RT: 9.734 min Scan# 3102
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:106 Resp: 256888

Ion	Ratio	Lower	Upper
106	100		
91	197.5	163.3	244.9

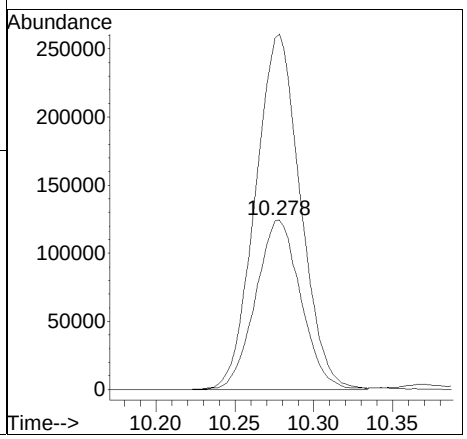


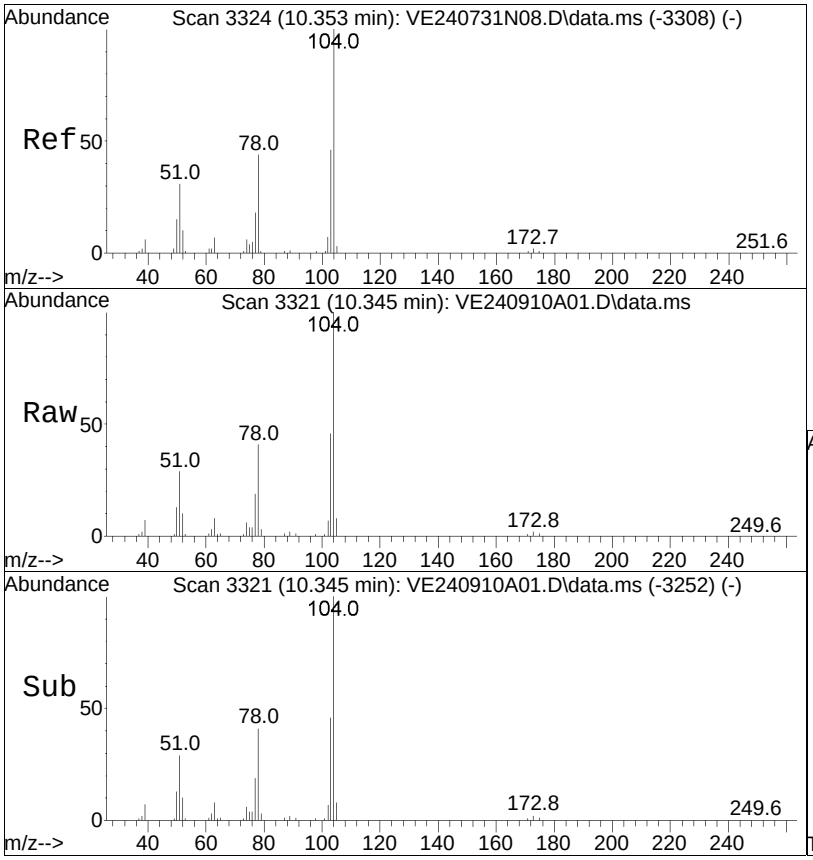


#82
o Xylene
Concen: 21.93 ug/L
RT: 10.278 min Scan# 3297
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:106 Resp: 246734

Ion	Ratio	Lower	Upper
106	100		
91	209.2	181.0	271.6

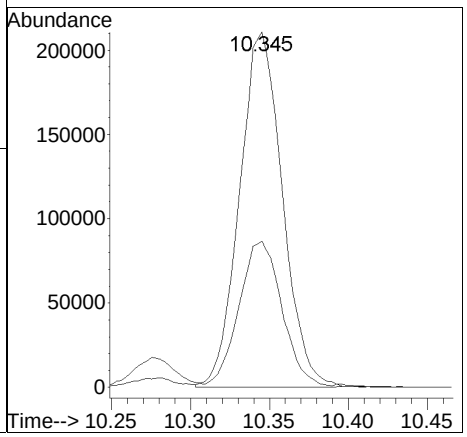


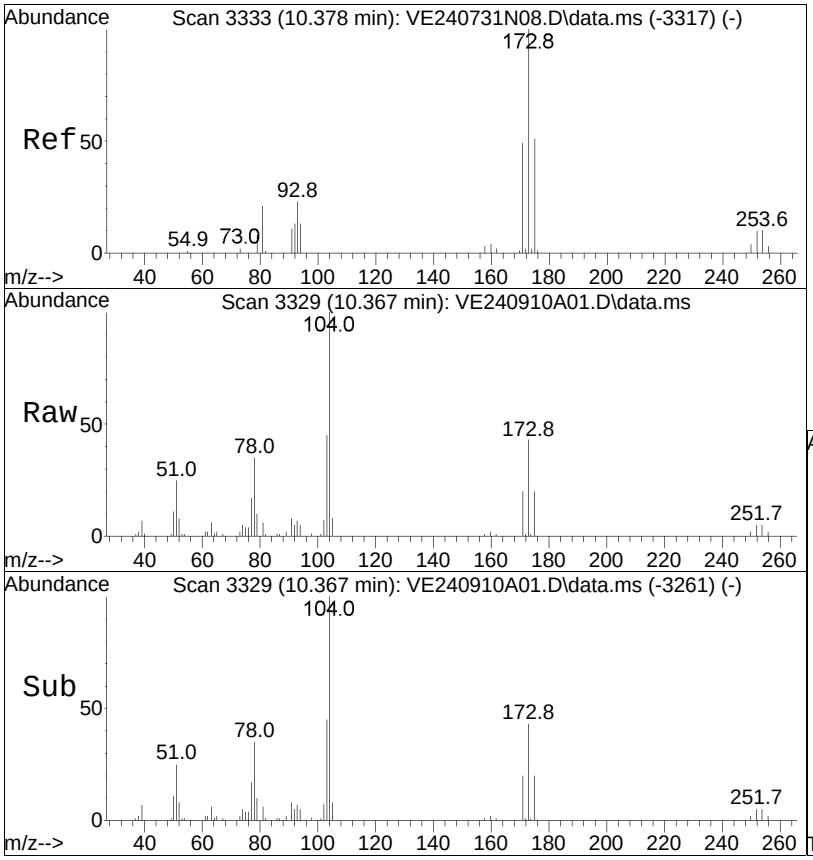


#83
Styrene
Concen: 21.53 ug/L
RT: 10.345 min Scan# 3321
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:104 Resp: 397109

Ion	Ratio	Lower	Upper
104	100		
78	40.6	35.9	53.9

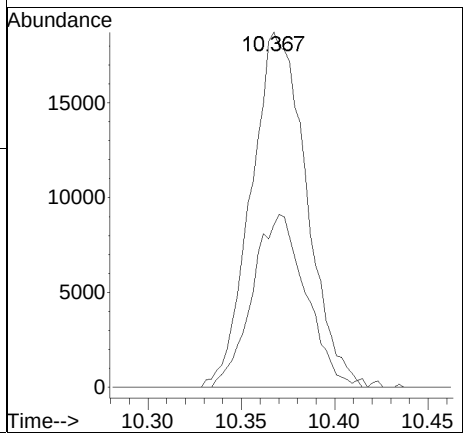


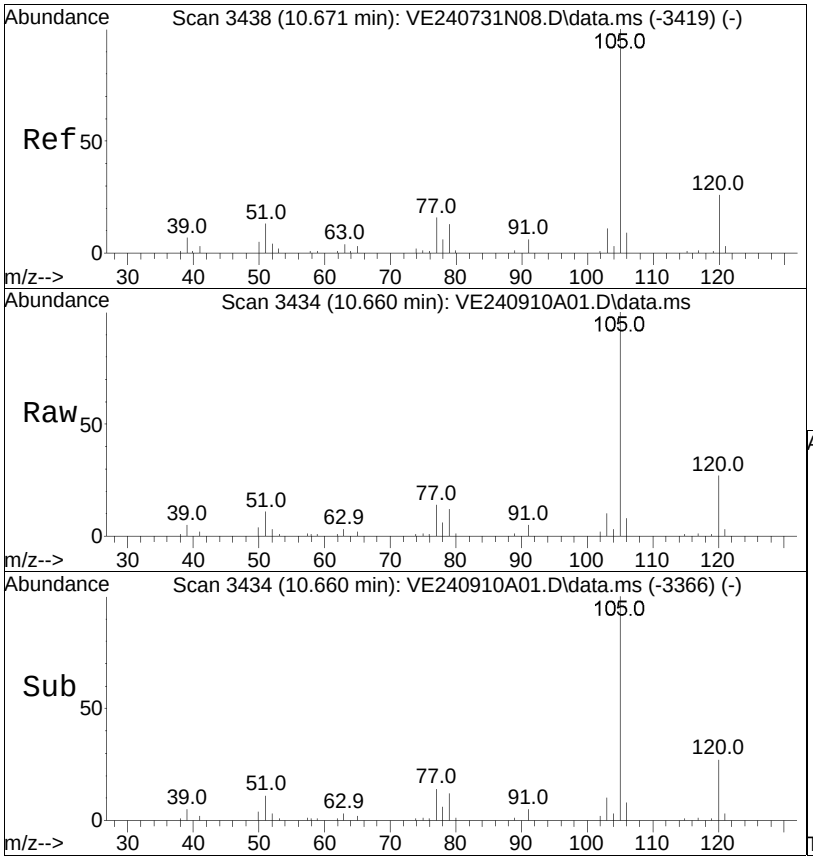


#85
Bromoform
Concen: 9.25 ug/L
RT: 10.367 min Scan# 3329
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:173 Resp: 38729

Ion	Ratio	Lower	Upper
173	100		
175	47.1	32.9	72.9

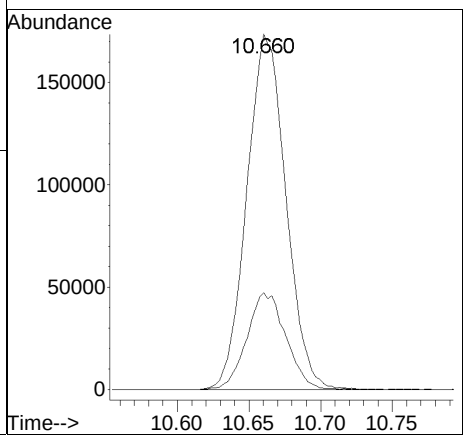


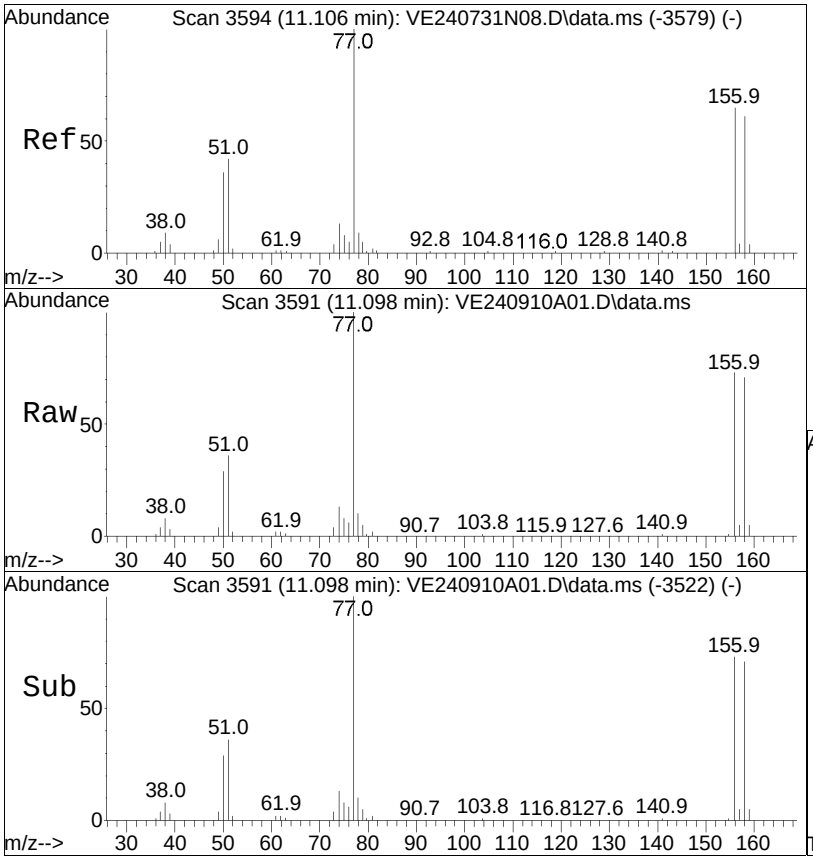


#87
Isopropylbenzene
Concen: 10.68 ug/L
RT: 10.660 min Scan# 3434
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:105 Resp: 328855

Ion	Ratio	Lower	Upper
105	100		
120	27.1	4.8	44.8

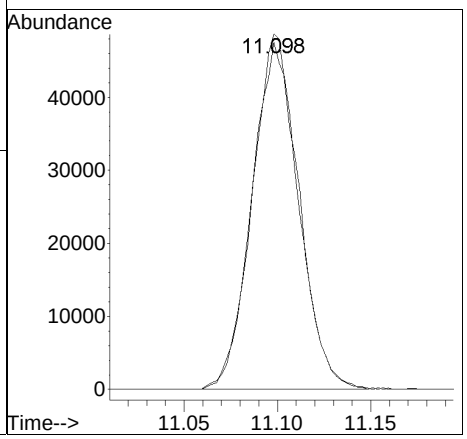


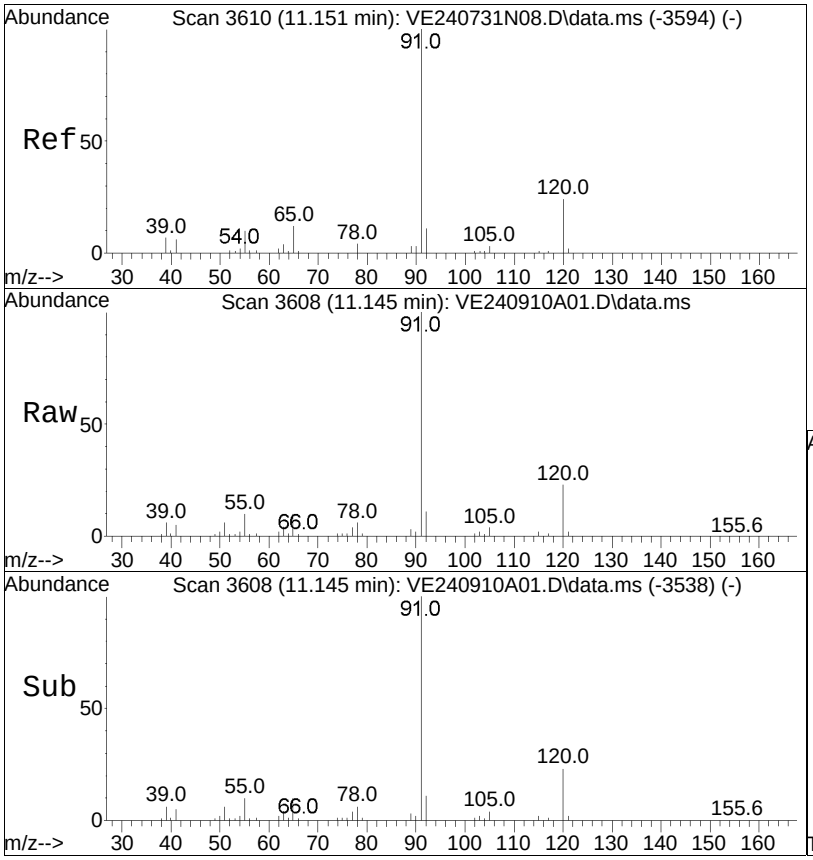


#89
Bromobenzene
Concen: 10.88 ug/L
RT: 11.098 min Scan# 3591
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:156 Resp: 84622

Ion	Ratio	Lower	Upper
156	100		
158	97.4	75.9	113.9

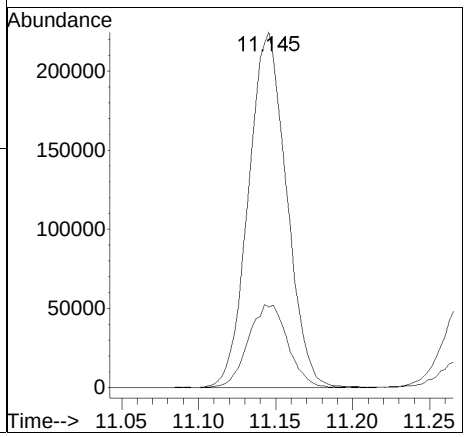


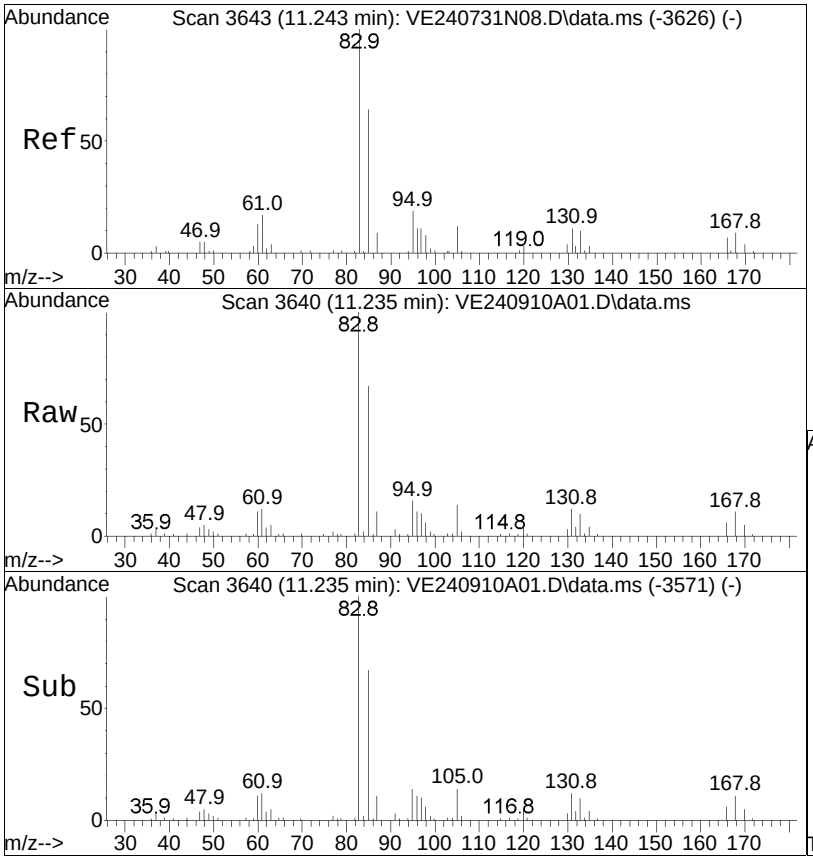


#90
n-Propylbenzene
Concen: 10.47 ug/L
RT: 11.145 min Scan# 3608
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 91 Resp: 385246

Ion	Ratio	Lower	Upper
91	100		
120	24.1	16.7	25.1

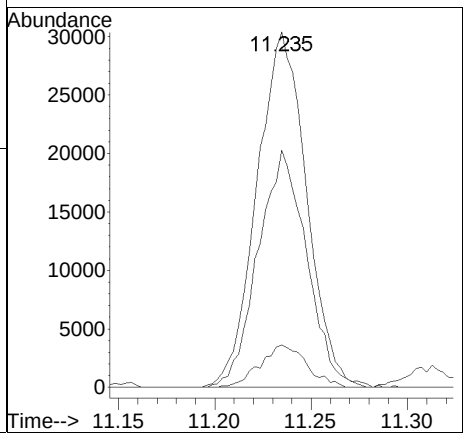


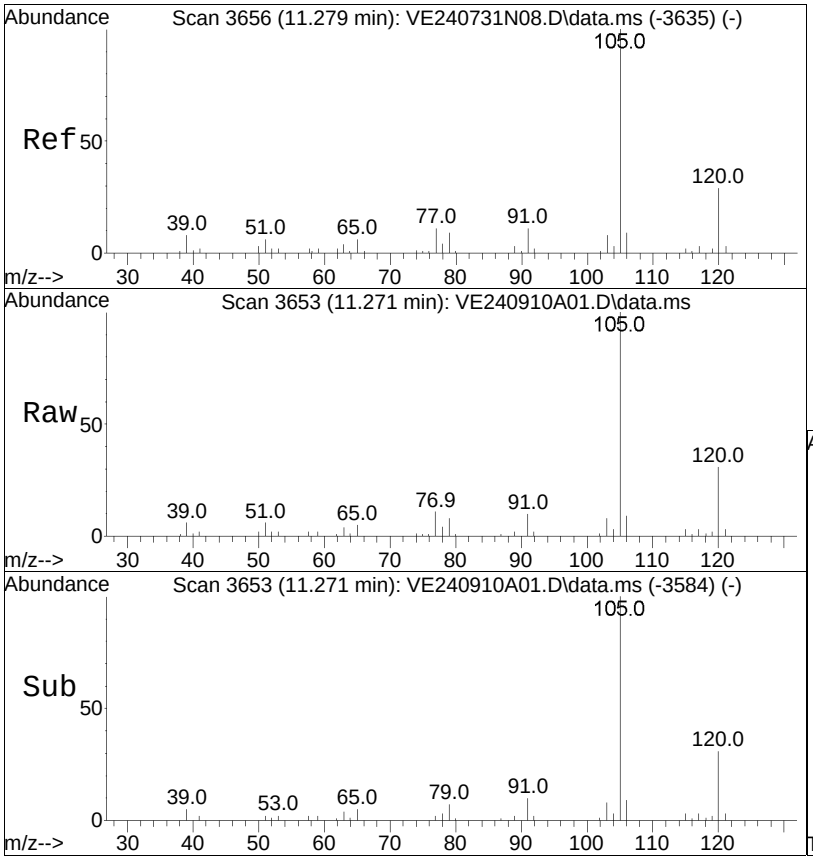


#92
1,1,2,2-Tetrachloroethane
Concen: 8.32 ug/L
RT: 11.235 min Scan# 3640
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 83 Resp: 54403

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	28.6
85	65.4	47.4	87.4

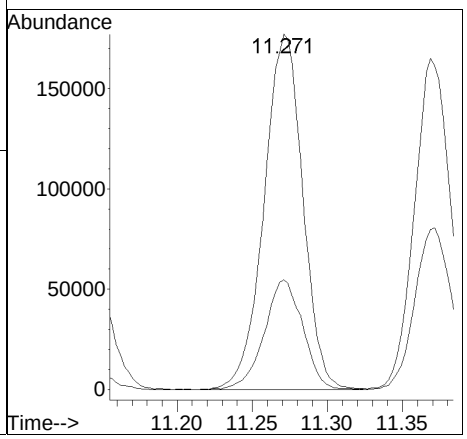


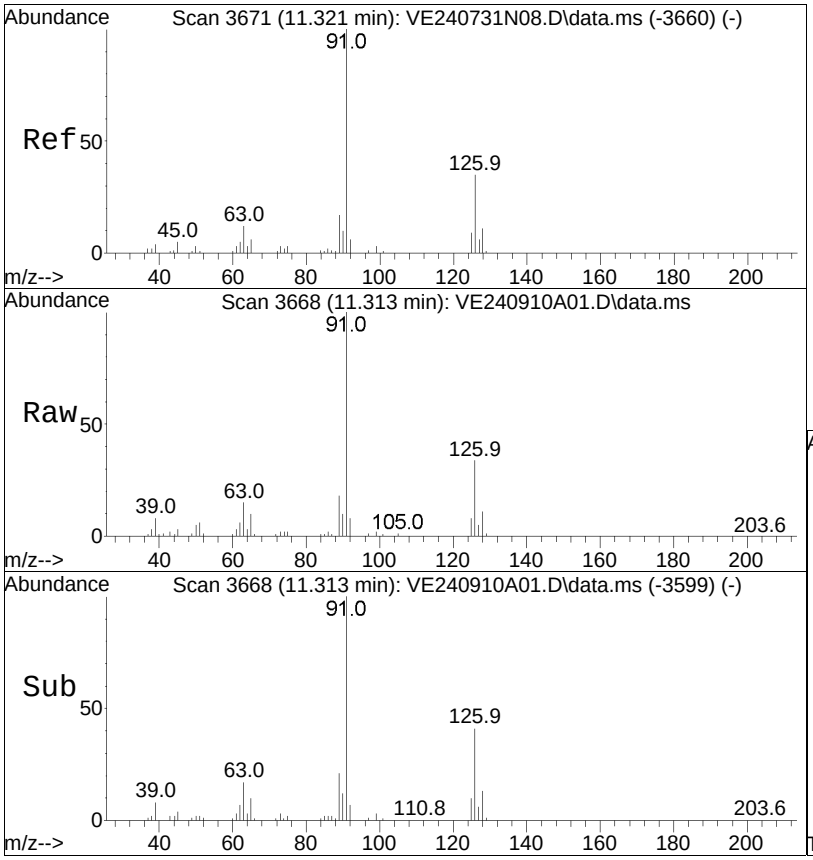


#93
4-Ethyltoluene
Concen: 10.62 ug/L
RT: 11.271 min Scan# 3653
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:105 Resp: 317027

Ion	Ratio	Lower	Upper
105	100		
120	30.7	18.9	39.3

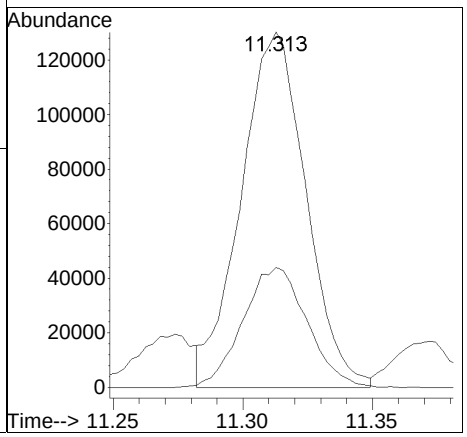


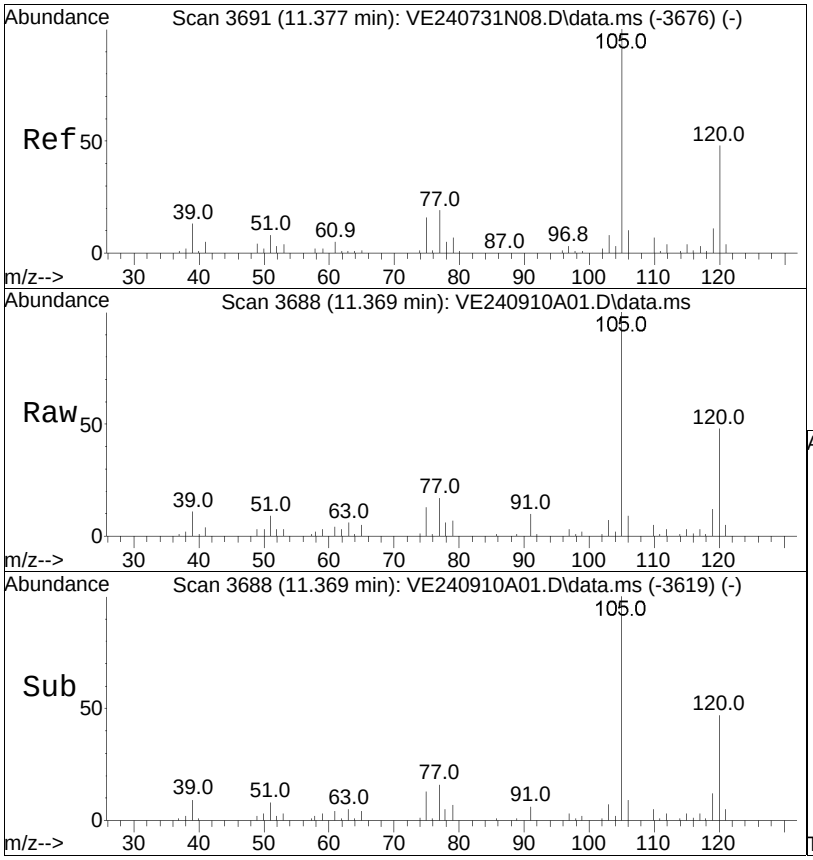


#94
2-Chlorotoluene
Concen: 10.47 ug/L M4
RT: 11.313 min Scan# 3668
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 91 Resp: 226748

Ion	Ratio	Lower	Upper
91	100		
126	33.3	24.4	36.6

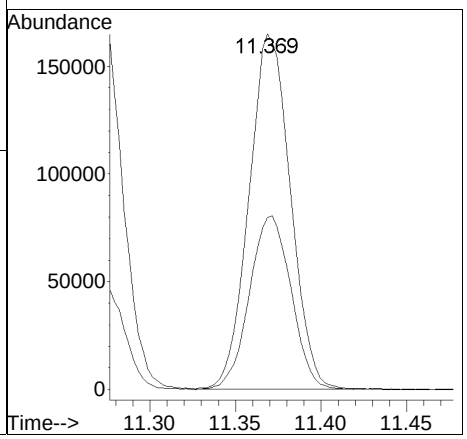


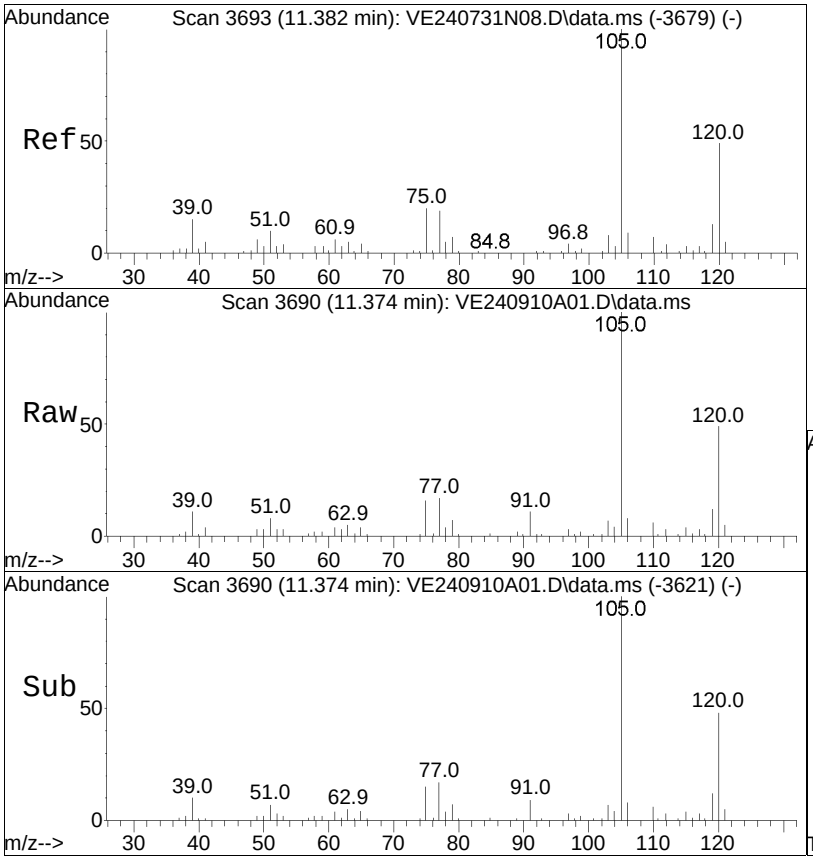


#95
1,3,5-Trimethylbenzene
Concen: 10.57 ug/L
RT: 11.369 min Scan# 3688
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:105 Resp: 276890

Ion	Ratio	Lower	Upper
105	100		
120	49.2	39.3	58.9

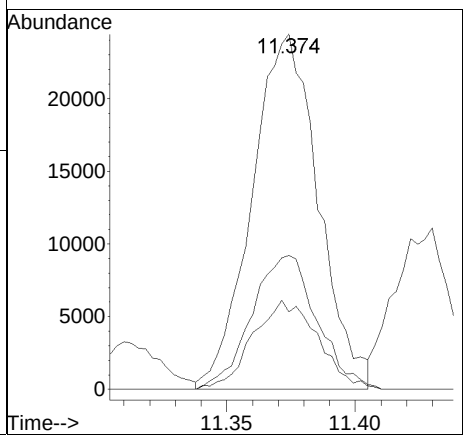


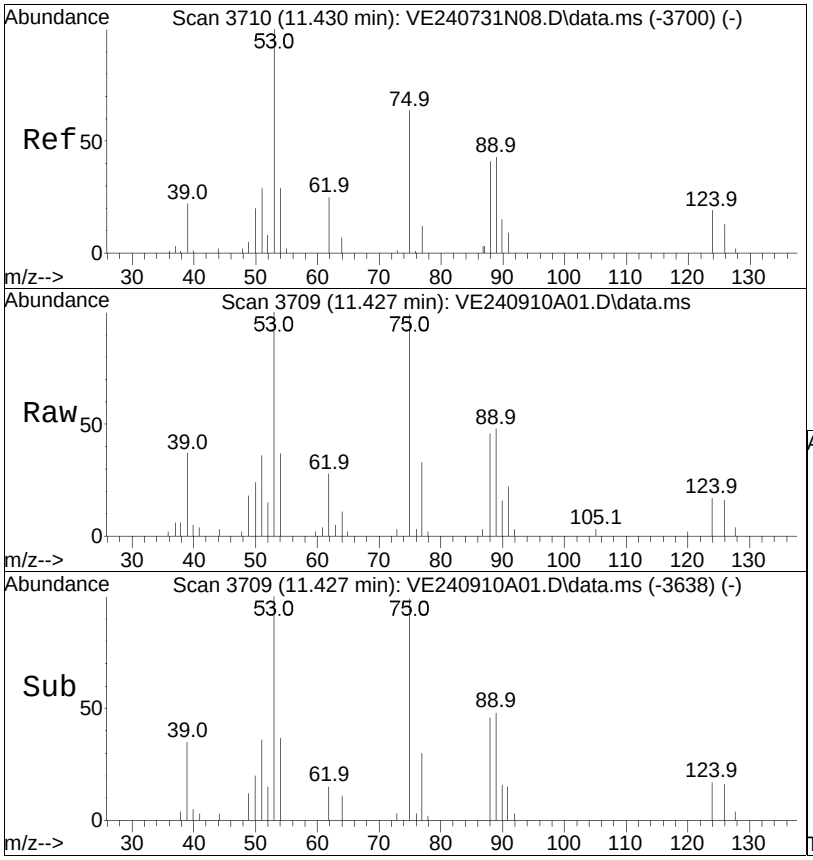


#96
1,2,3-Trichloropropane
Concen: 8.26 ug/L
RT: 11.374 min Scan# 3690
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 75 Resp: 44042

Ion	Ratio	Lower	Upper
75	100		
110	37.0	22.4	46.4
112	24.5	12.2	25.2

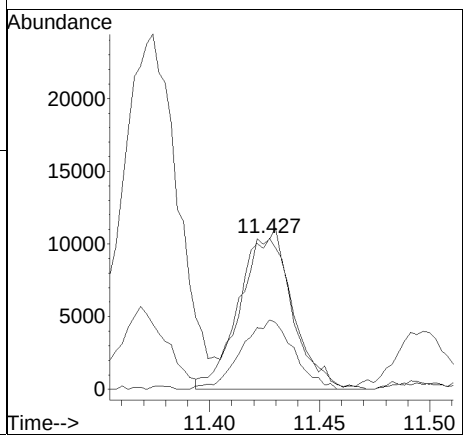


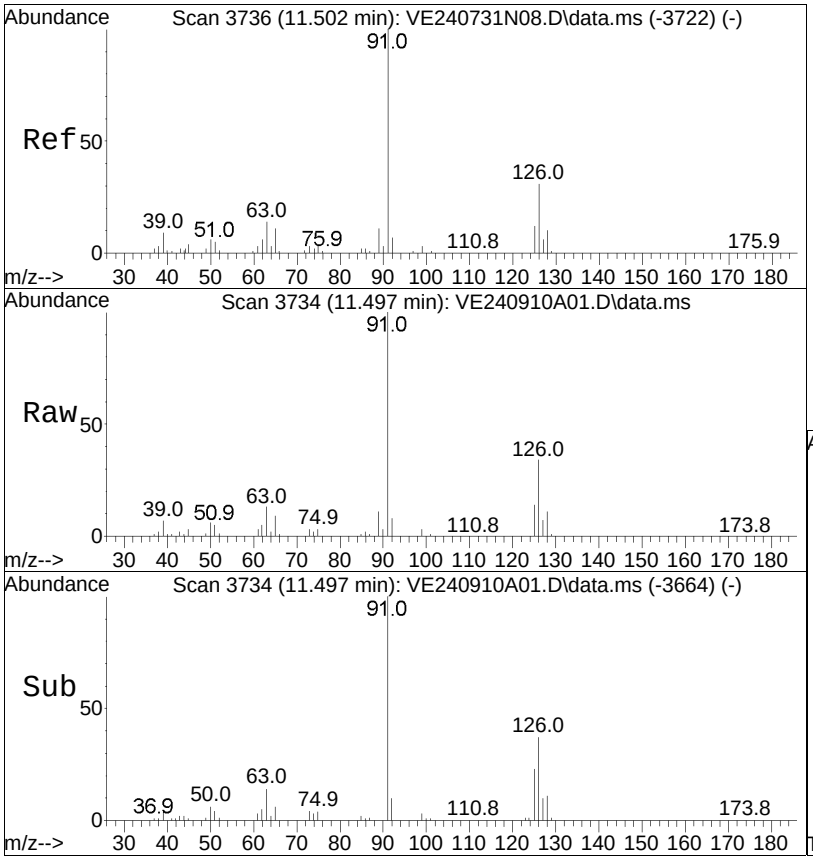


#97
trans-1,4-Dichloro-2-butene
Concen: 6.83 ug/L
RT: 11.427 min Scan# 3709
Delta R.T. -0.003 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 53 Resp: 17905

Ion	Ratio	Lower	Upper
53	100		
88	44.3	29.2	43.8#
75	97.0	62.6	94.0#

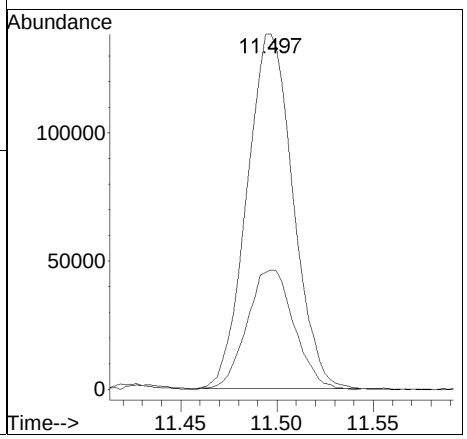


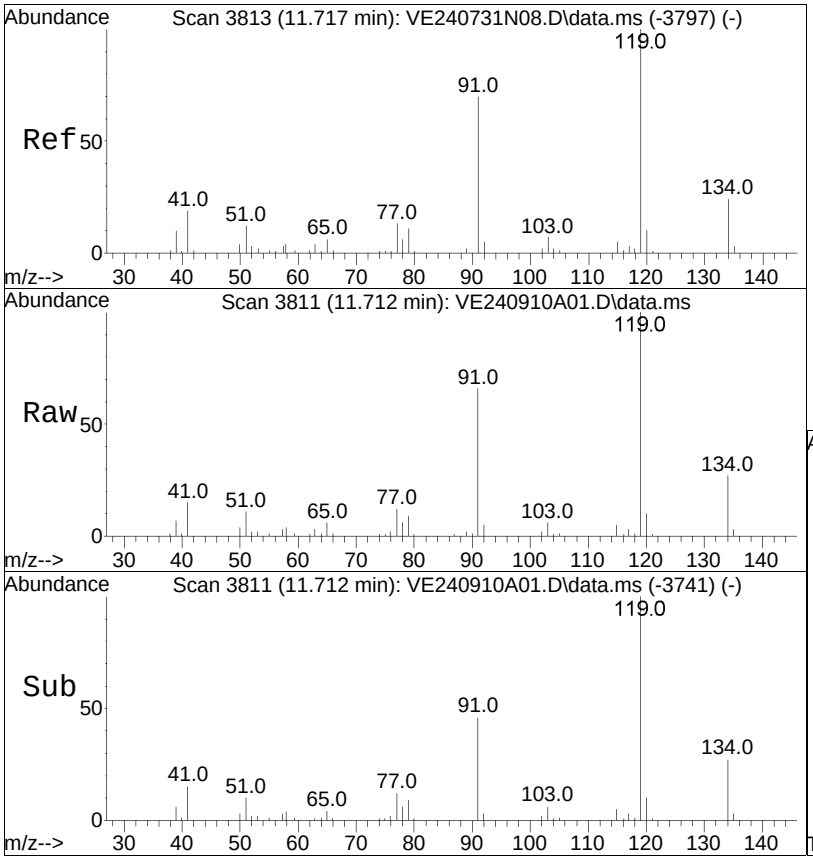


#98
4-Chlorotoluene
Concen: 10.17 ug/L
RT: 11.497 min Scan# 3734
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 91 Resp: 230767

Ion	Ratio	Lower	Upper
91	100		
126	34.4	25.8	38.8

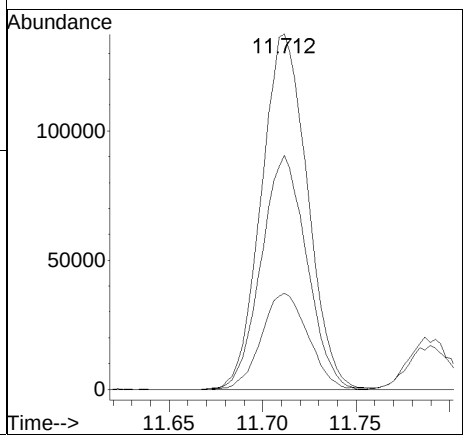


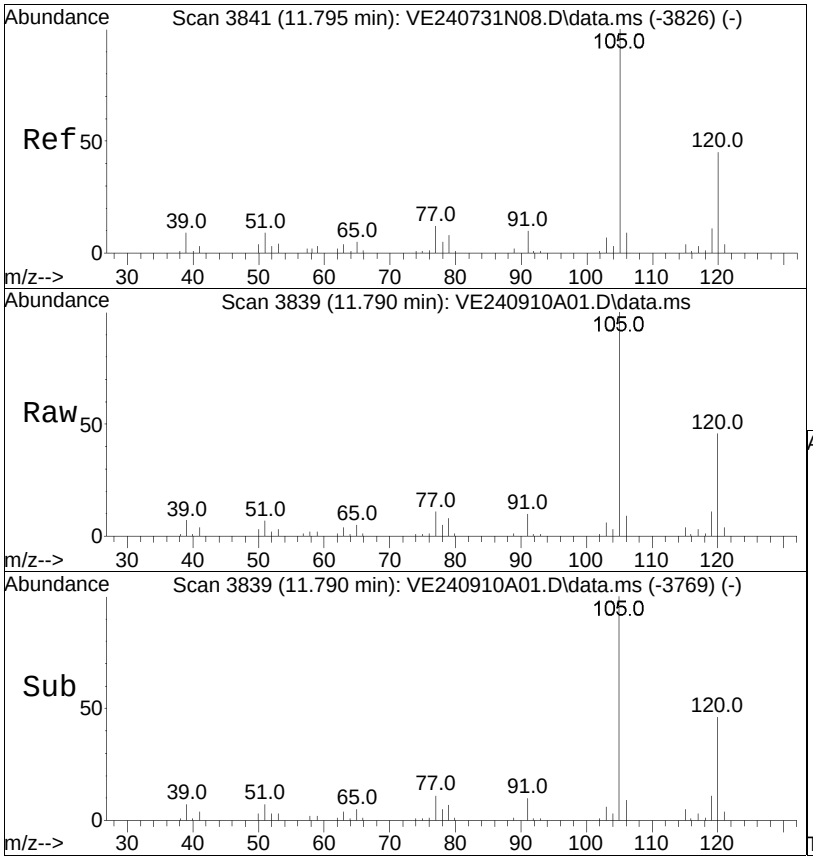


#99
tert-Butylbenzene
Concen: 10.71 ug/L
RT: 11.712 min Scan# 3811
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:119 Resp: 235812

Ion	Ratio	Lower	Upper
119	100		
91	65.3	56.6	84.8
134	27.4	17.7	26.5#

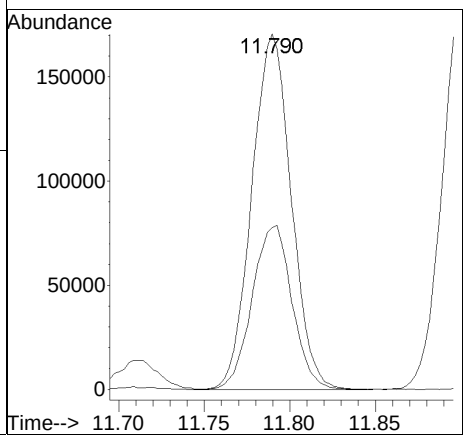


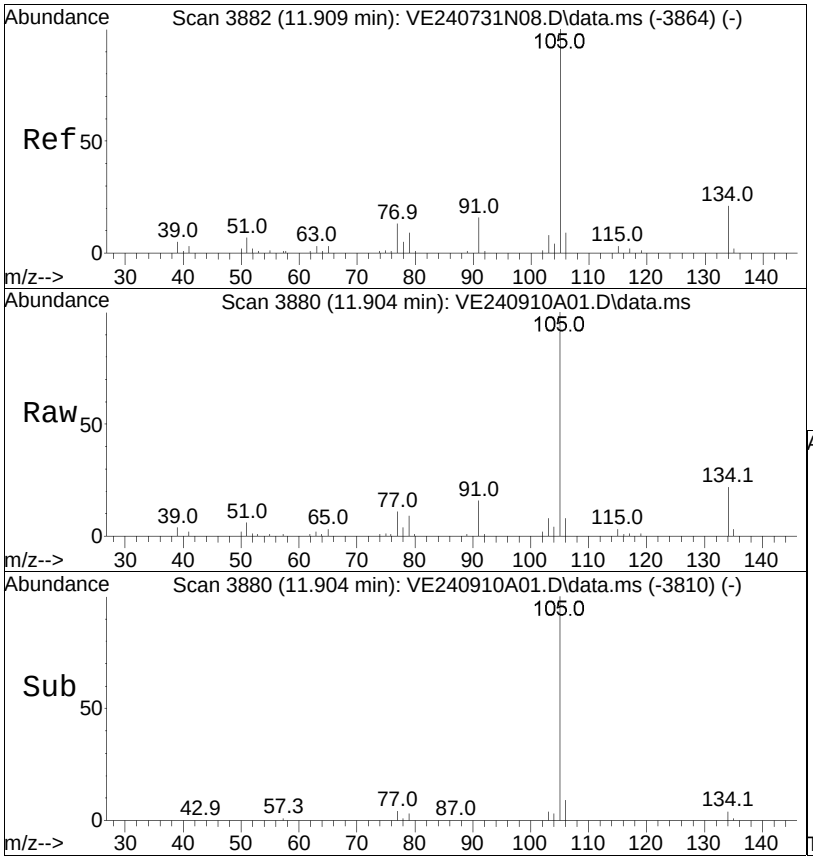


#102
1,2,4-Trimethylbenzene
Concen: 10.45 ug/L
RT: 11.790 min Scan# 3839
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:105 Resp: 273157

Ion	Ratio	Lower	Upper
105	100		
120	46.7	33.6	50.4

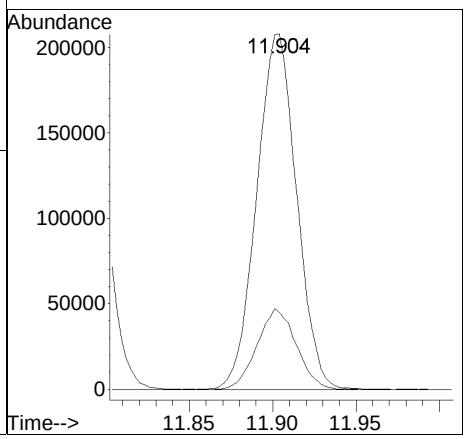


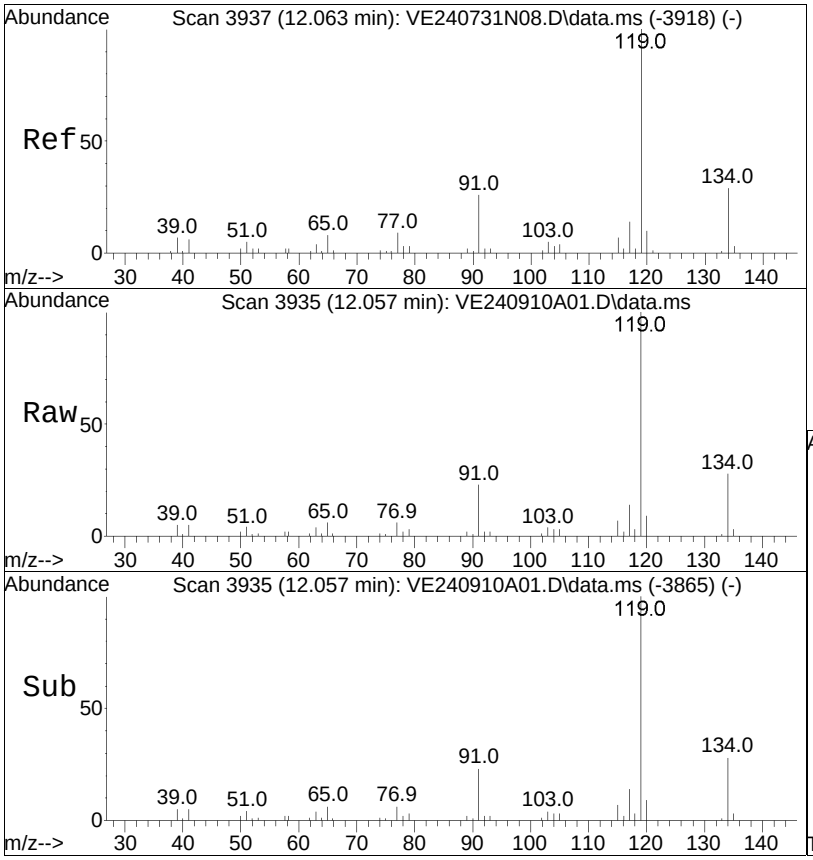


#103
sec-Butylbenzene
Concen: 10.61 ug/L
RT: 11.904 min Scan# 3880
Delta R.T. -0.005 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:105 Resp: 346287

Ion	Ratio	Lower	Upper
105	100		
134	22.2	13.3	27.5

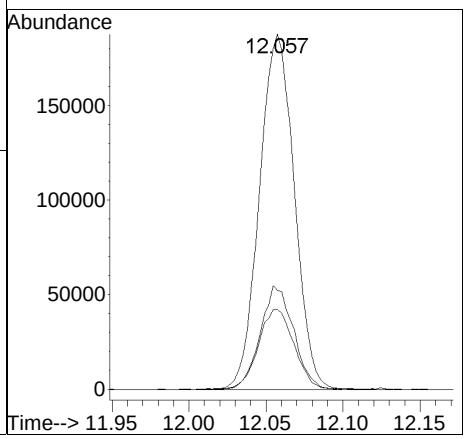


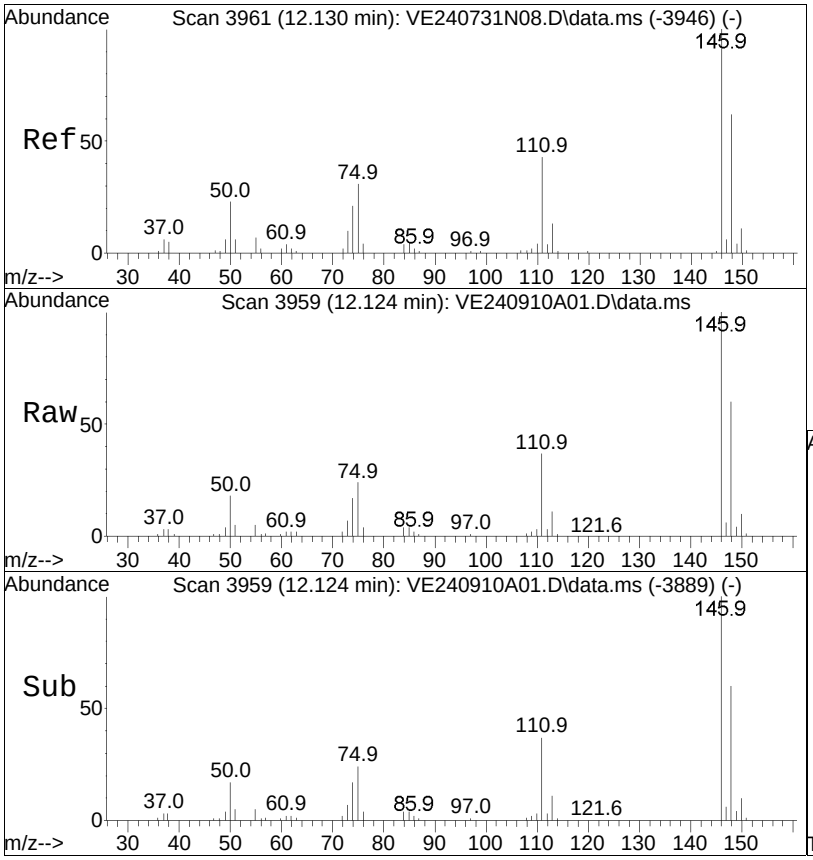


#104
p-Isopropyltoluene
Concen: 10.74 ug/L
RT: 12.057 min Scan# 3935
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:119 Resp: 295356

Ion	Ratio	Lower	Upper
119	100		
134	27.9	15.8	32.8
91	23.0	16.6	34.4

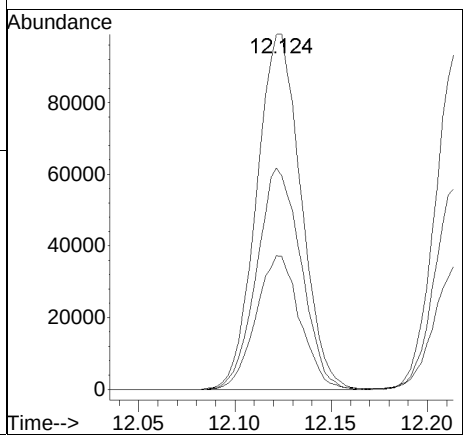


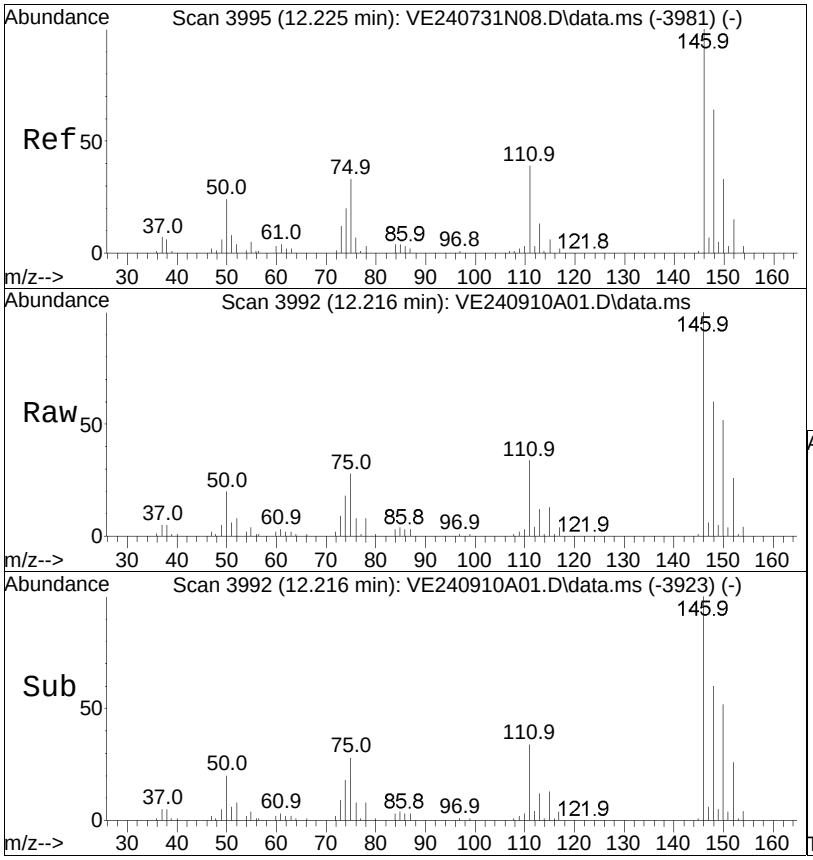


#105
1,3-Dichlorobenzene
Concen: 11.07 ug/L
RT: 12.124 min Scan# 3959
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:146 Resp: 158966

Ion	Ratio	Lower	Upper
146	100		
111	37.3	27.9	57.9
148	62.3	42.4	88.2

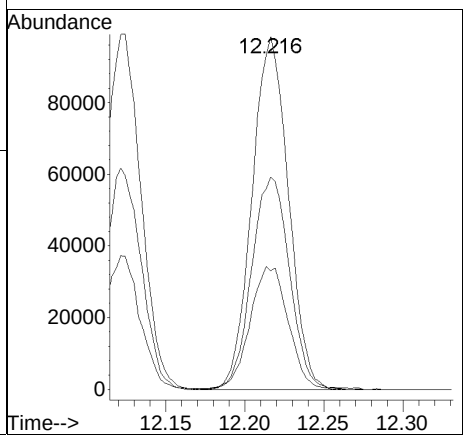


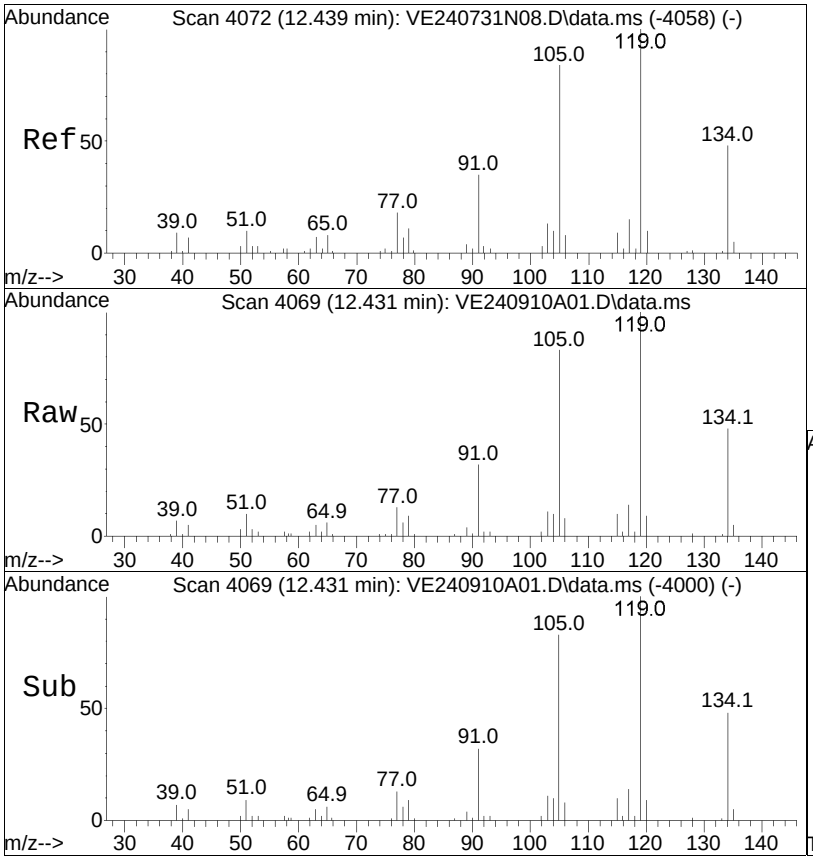


#106
1,4-Dichlorobenzene
Concen: 10.98 ug/L
RT: 12.216 min Scan# 3992
Delta R.T. -0.009 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:146 Resp: 157653

Ion	Ratio	Lower	Upper
146	100		
111	36.5	31.4	47.0
148	62.5	49.8	74.8

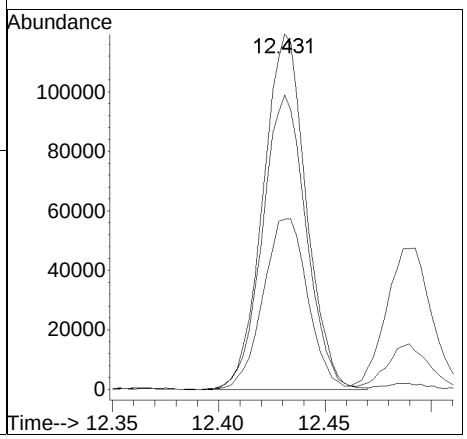


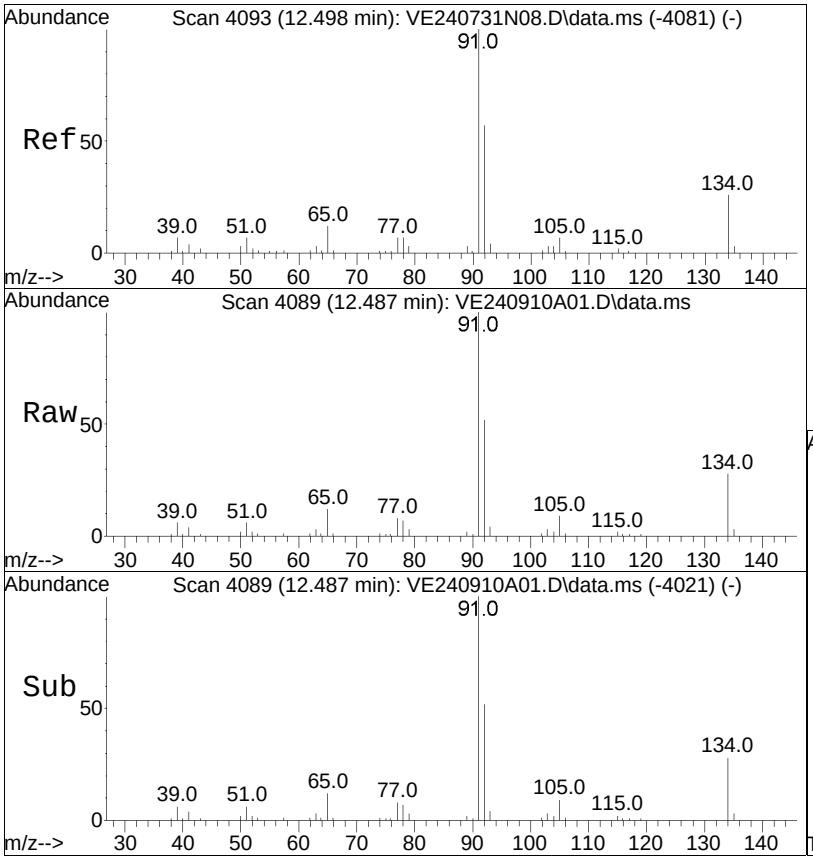


#107
p-Diethylbenzene
Concen: 10.39 ug/L
RT: 12.431 min Scan# 4069
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:119 Resp: 168613

Ion	Ratio	Lower	Upper
119	100		
105	84.1	55.4	115.2
134	49.8	28.4	59.0

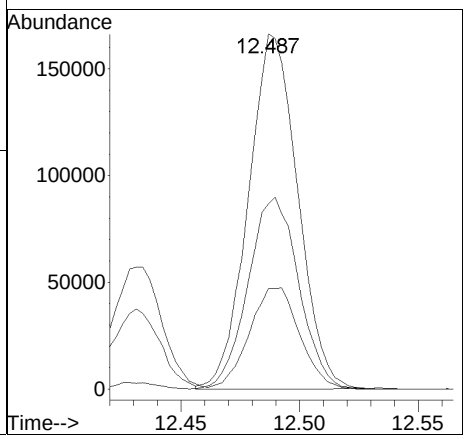


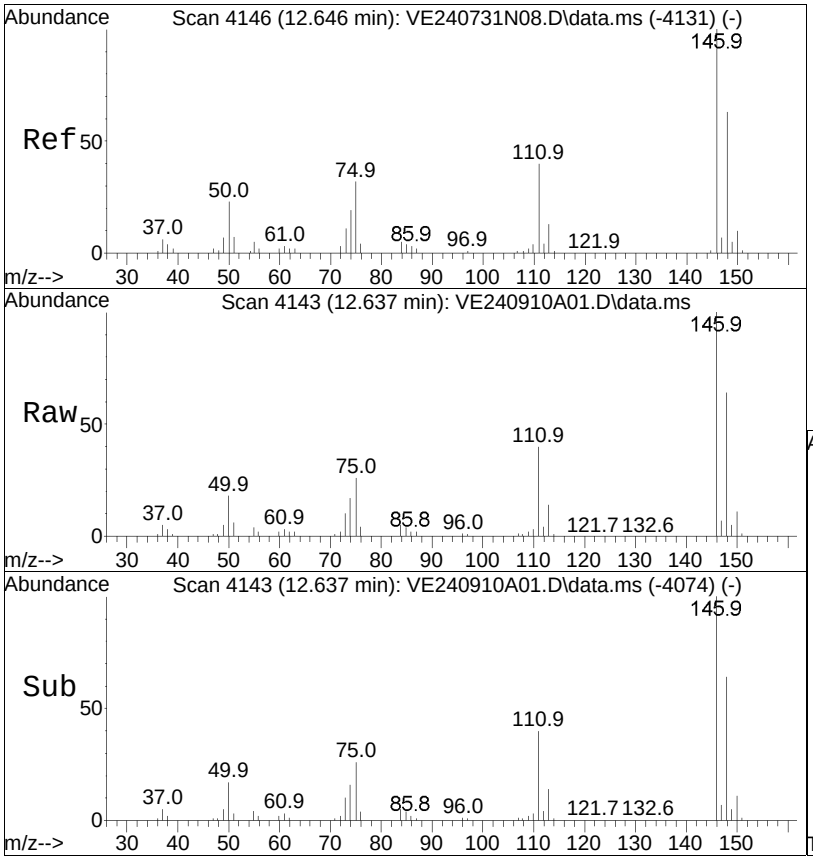


#108
n-Butylbenzene
Concen: 10.16 ug/L
RT: 12.487 min Scan# 4089
Delta R.T. -0.011 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion: 91 Resp: 240769

Ion	Ratio	Lower	Upper
91	100		
92	55.7	42.4	63.6
134	29.4	20.3	30.5

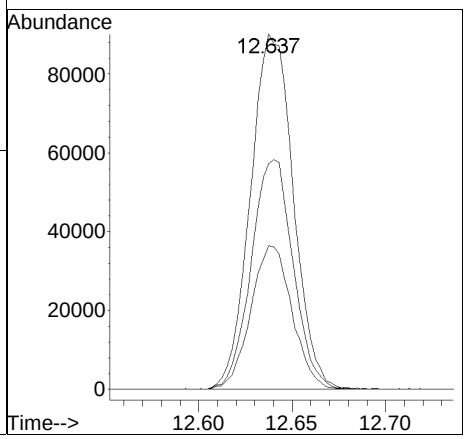


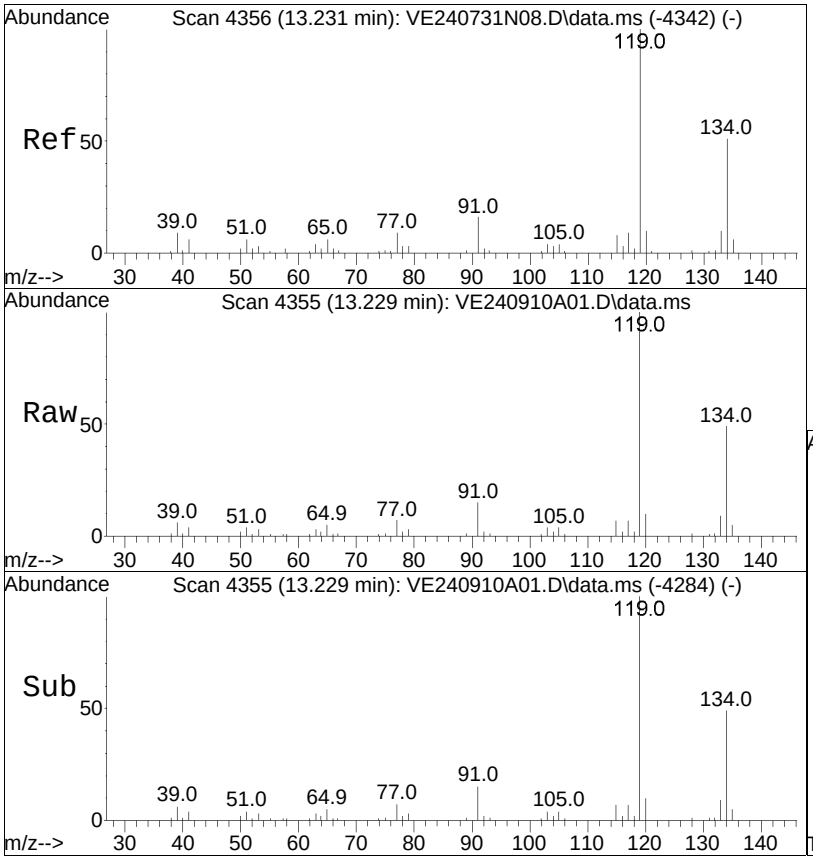


#109
1,2-Dichlorobenzene
Concen: 10.42 ug/L
RT: 12.637 min Scan# 4143
Delta R.T. -0.009 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:146 Resp: 144015

Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.4	54.8
148	63.3	41.7	86.7

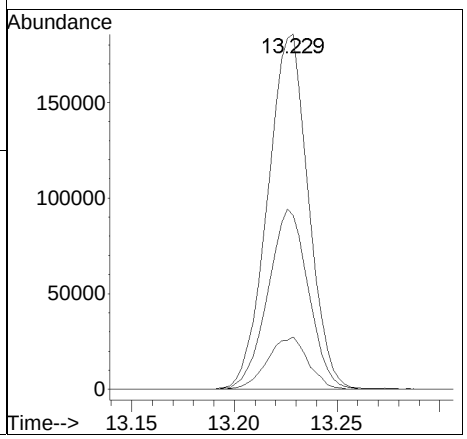


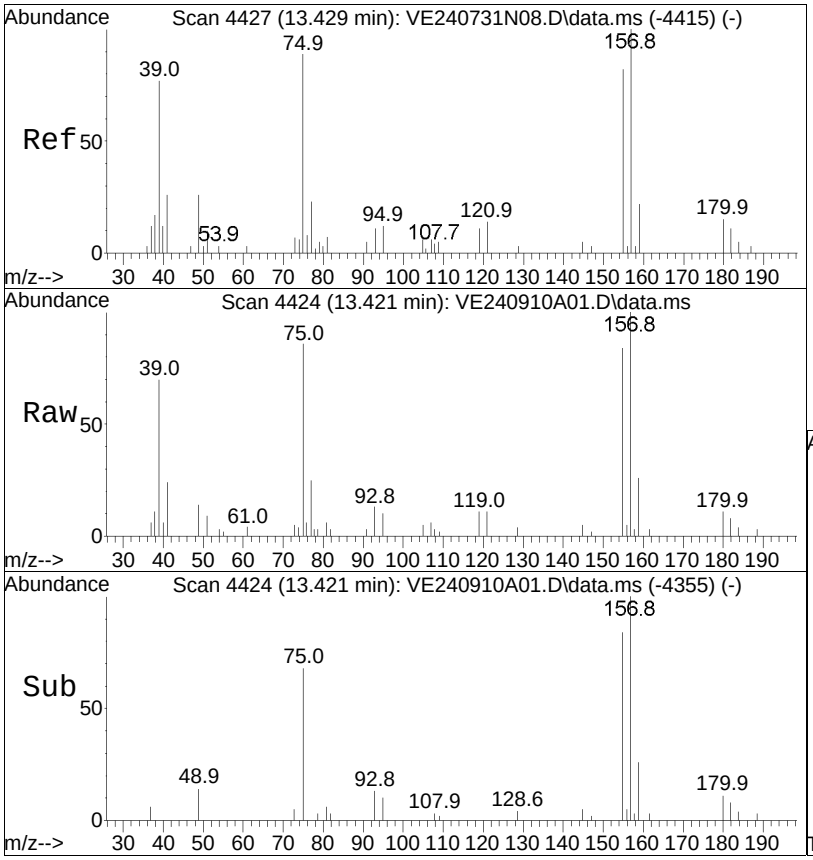


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.74 ug/L
RT: 13.229 min Scan# 4355
Delta R.T. -0.002 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:119 Resp: 256335

Ion	Ratio	Lower	Upper
119	100		
134	50.6	29.6	61.4
91	14.8	9.8	20.3

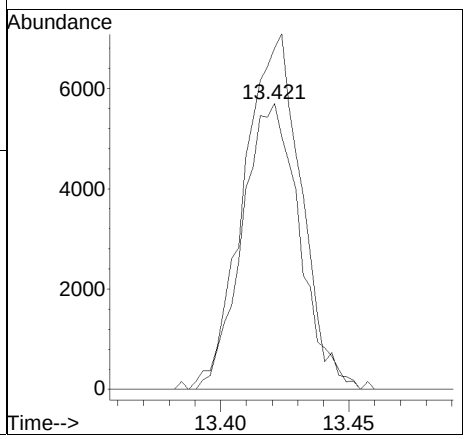


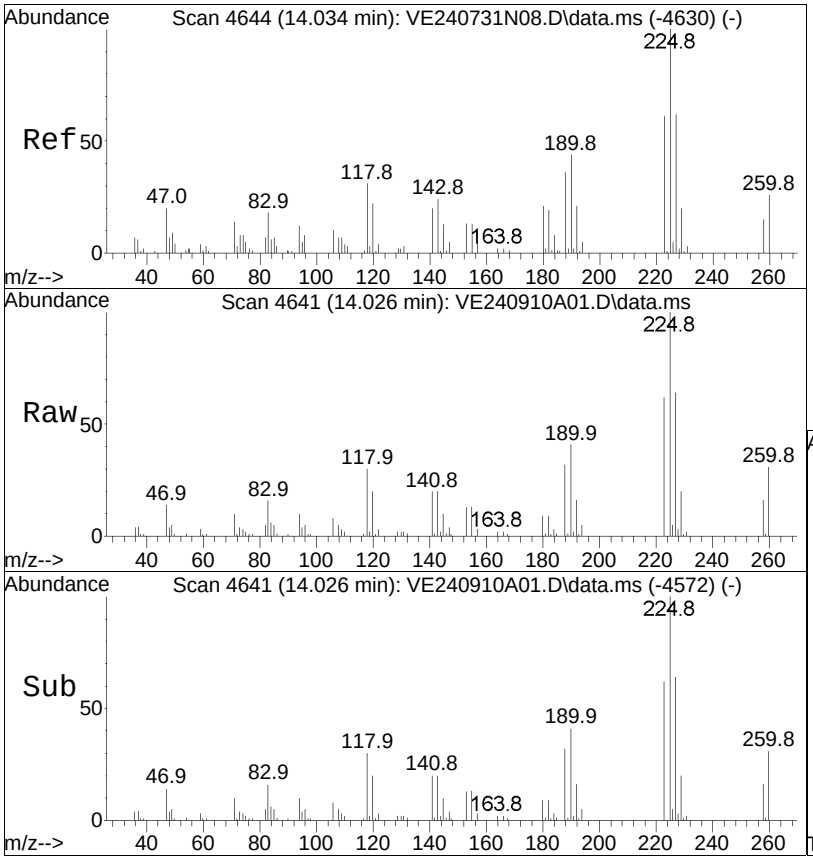


#111
1,2-Dibromo-3-chloropropane
Concen: 7.27 ug/L
RT: 13.421 min Scan# 4424
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:155 Resp: 8846

Ion	Ratio	Lower	Upper
155	100		
157	124.6	95.1	142.7

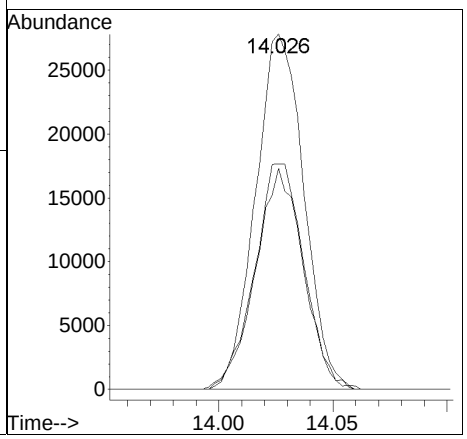


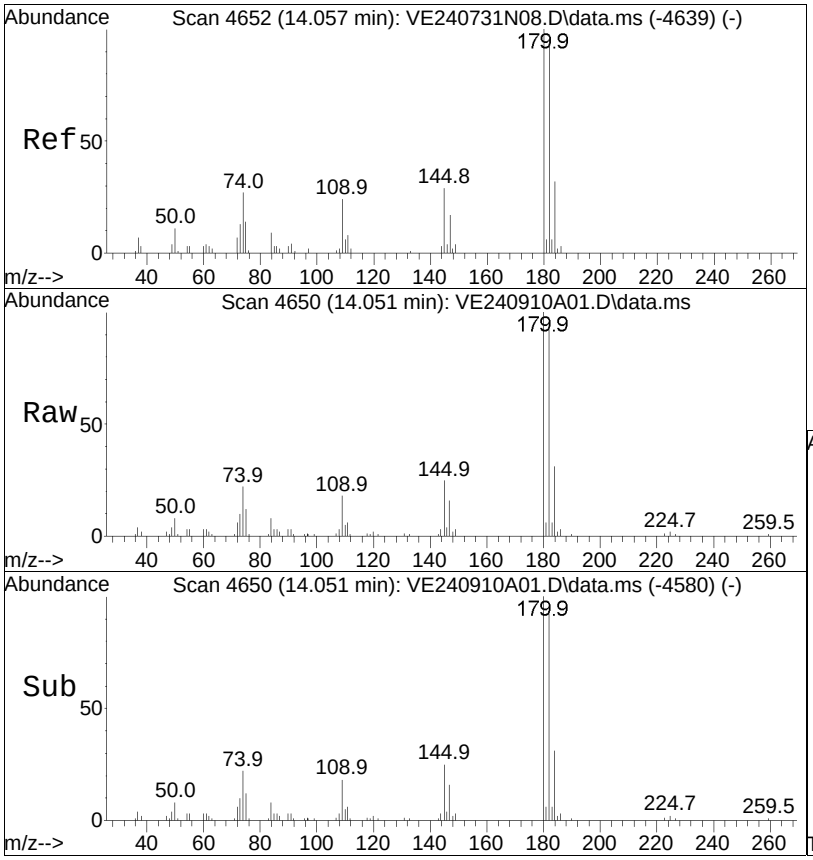


#113
Hexachlorobutadiene
Concen: 11.33 ug/L
RT: 14.026 min Scan# 4641
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:225 Resp: 41214

Ion	Ratio	Lower	Upper
225	100		
223	60.9	54.6	82.0
227	64.5	56.2	84.4

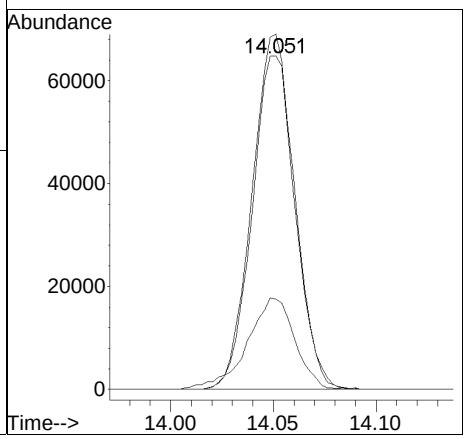


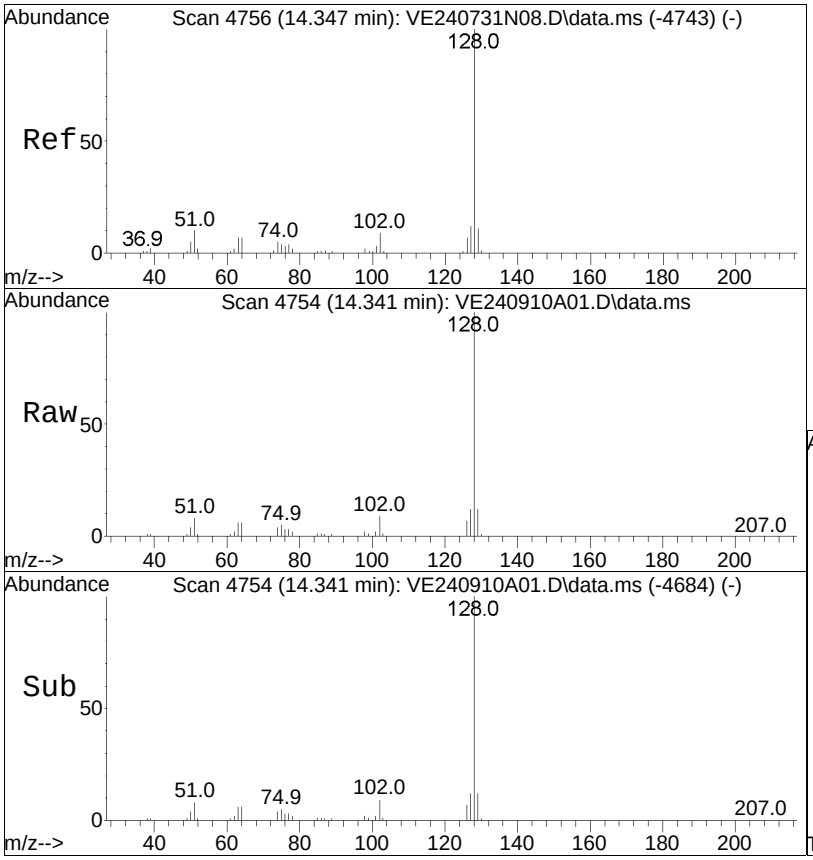


#114
1,2,4-Trichlorobenzene
Concen: 10.08 ug/L
RT: 14.051 min Scan# 4650
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:180 Resp: 99798

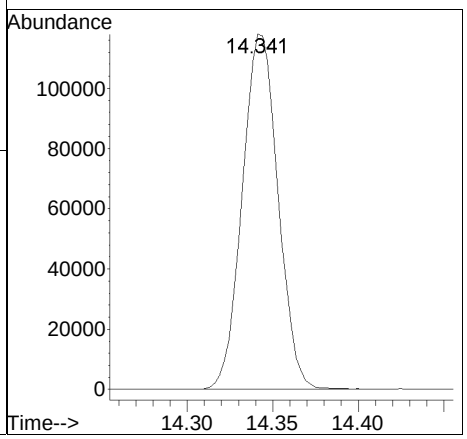
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	28.6	26.0	39.0

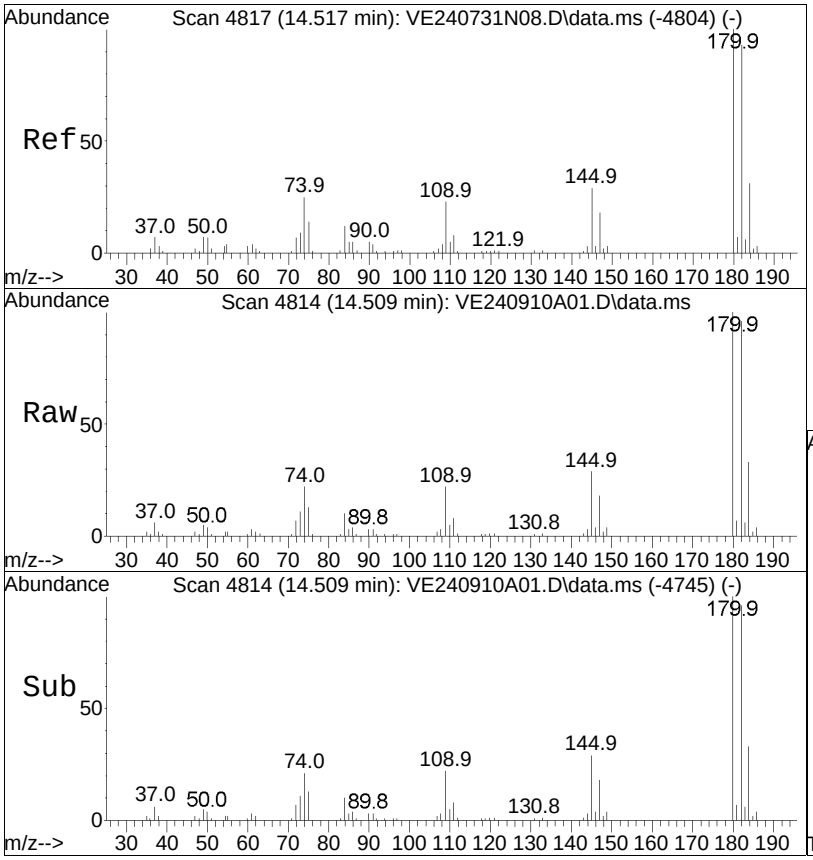




#115
Naphthalene
Concen: 7.87 ug/L
RT: 14.341 min Scan# 4754
Delta R.T. -0.006 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:128 Resp: 171715

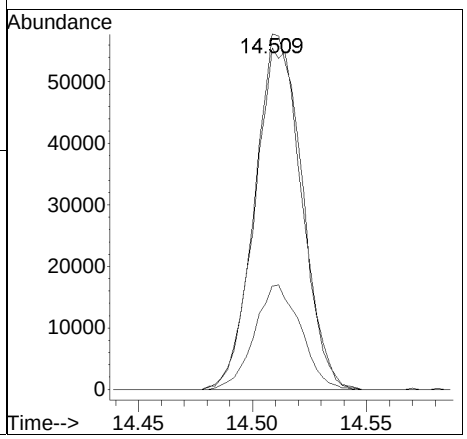




#116
1,2,3-Trichlorobenzene
Concen: 9.09 ug/L
RT: 14.509 min Scan# 4814
Delta R.T. -0.008 min
Lab File: VE240910A01.D
Acq: 10 Sep 2024 8:34 am

Tgt Ion:180 Resp: 82752

Ion	Ratio	Lower	Upper
180	100		
182	96.8	71.6	107.4
145	28.9	25.1	37.7

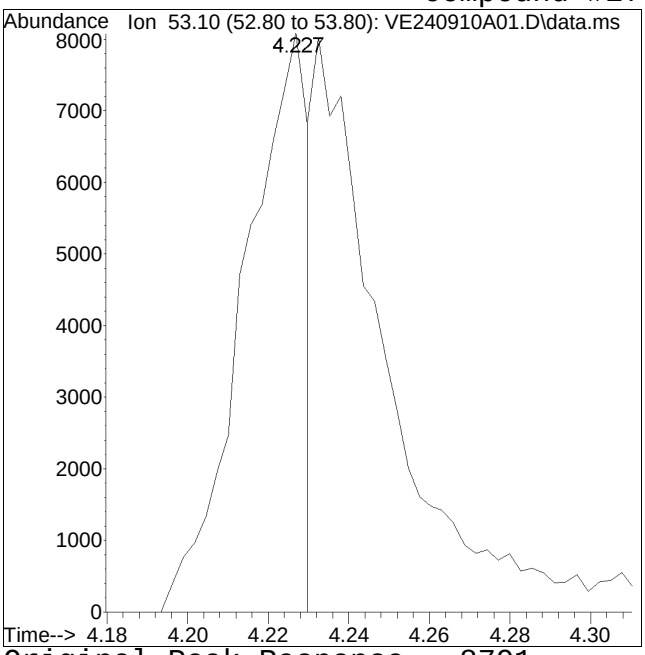


Manual Integration Report

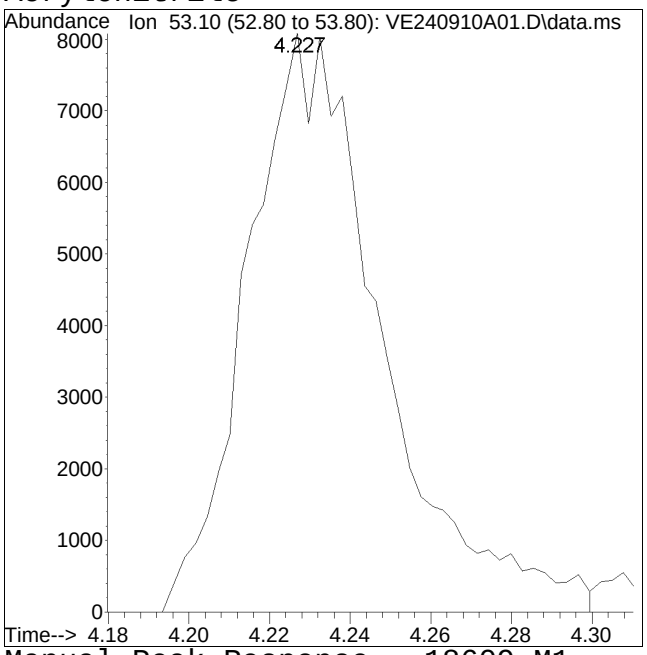
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Date Inj'd : 9/10/2024 8:34 am
Sample : WG1970185-3,31,10,10

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 9/10/2024 9:10 am

Compound #27: Acrylonitrile



Original Peak Response = 8791



Manual Peak Response = 18609 M1

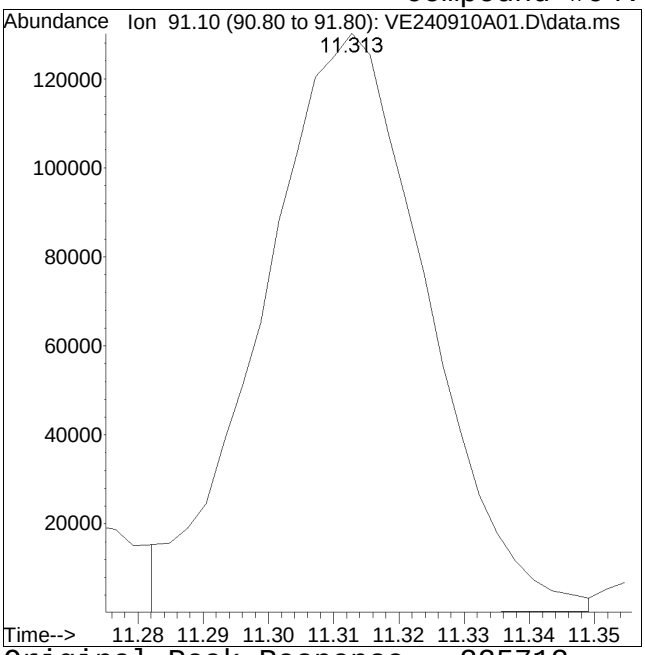
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

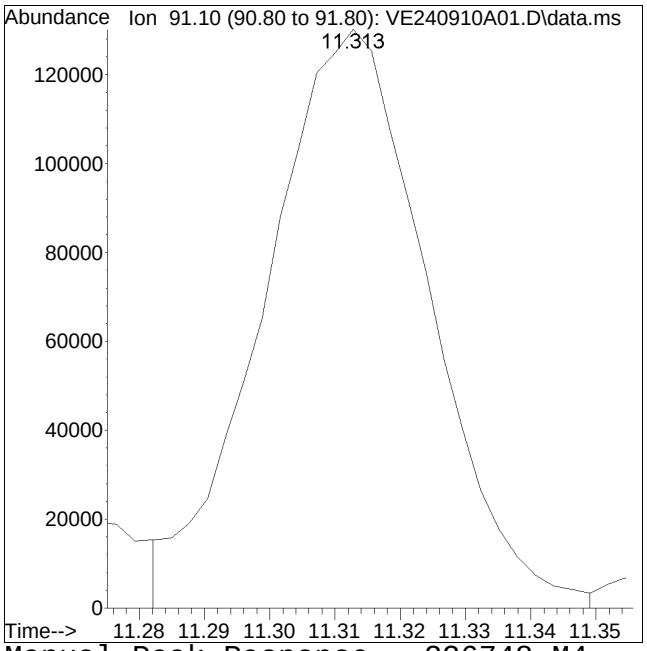
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A01.D
Date Inj'd : 9/10/2024 8:34 am
Sample : WG1970185-3,31,10,10

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 9/10/2024 9:10 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 225712



Manual Peak Response = 226748 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A02.D
Acq On : 10 Sep 2024 06:59 am
Operator : VOA130:PID
Sample : WG1969667-4,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 07:38:50 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.099	96	308067	10.000	ug/L	0.00
Standard Area 1 = 297219			Recovery = 103.65%			
63) Chlorobenzene-d5	9.644	117	248716	10.000	ug/L	0.00
Standard Area 1 = 233516			Recovery = 106.51%			
84) 1,4-Dichlorobenzene-d4	12.333	152	139594	10.000	ug/L	0.00
Standard Area 1 = 133889			Recovery = 104.26%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.281	113	86385	10.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.34%			
47) 1,2-Dichloroethane-d4	5.806	65	88783	11.542	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.42%			
64) Toluene-d8	7.798	98	332719	10.376	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.76%			
88) 4-Bromofluorobenzene	11.128	95	117506	9.601	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.674	85	62901	8.841	ug/L	96
3) Chloromethane	1.868	50	73123	9.516	ug/L	99
4) Vinyl chloride	1.942	62	69729	10.116	ug/L	100
5) Bromomethane	2.261	94	30431	7.369	ug/L	97
6) Chloroethane	2.377	64	43806	9.978	ug/L	98
7) Trichlorofluoromethane	2.524	101	70020	9.024	ug/L	97
8) Ethyl ether	2.828	74	19928	8.896	ug/L	92
10) 1,1-Dichloroethene	3.016	96	44622	9.393	ug/L	79
11) Carbon disulfide	3.048	76	147218	9.921	ug/L	100
15) Methylene chloride	3.577	84	67790	10.670	ug/L	82
17) Acetone	3.609	43	9979	12.954	ug/L	93
18) trans-1,2-Dichloroethene	3.729	96	48223	9.857	ug/L	85
21) Methyl tert-butyl ether	3.834	73	75569	7.486	ug/L #	92
25) 1,1-Dichloroethane	4.317	63	106383	11.546	ug/L	98
27) Acrylonitrile	4.353	53	13949	12.498	ug/L	97
29) Vinyl acetate	4.553	43	73787	9.636	ug/L #	92
30) cis-1,2-Dichloroethene	4.836	96	57202	9.977	ug/L	83
31) 2,2-Dichloropropane	4.941	77	62231	8.818	ug/L	82
33) Bromochloromethane	5.030	128	27737	10.170	ug/L #	68
35) Chloroform	5.103	83	101094	11.272	ug/L	93

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A02.D
Acq On : 10 Sep 2024 06:59 am
Operator : VOA130:PID
Sample : WG1969667-4,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 07:38:50 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	5.245	117	44455	7.501	ug/L		97
40) 1,1,1-Trichloroethane	5.313	97	58313	7.804	ug/L		95
42) 2-Butanone	5.392	43	12819	11.053	ug/L		95
43) 1,1-Dichloropropene	5.434	75	48721	7.972	ug/L		96
45) Benzene	5.680	78	191087	9.865	ug/L		96
48) 1,2-Dichloroethane	5.879	62	57592	10.329	ug/L	#	98
52) Trichloroethene	6.278	95	43355	8.391	ug/L		95
54) Dibromomethane	6.718	93	28805	10.824	ug/L		94
55) 1,2-Dichloropropane	6.818	63	45360	10.029	ug/L		97
58) Bromodichloromethane	6.891	83	55600	8.966	ug/L	#	99
61) 1,4-Dioxane	7.096	88	16338	563.681	ug/L	#	94
62) cis-1,3-Dichloropropene	7.583	75	63546	9.074	ug/L	#	81
65) Toluene	7.856	92	132051	10.243	ug/L		99
66) 4-Methyl-2-pentanone	8.281	58	11903	11.204	ug/L	#	72
67) Tetrachloroethene	8.312	166	47405	9.273	ug/L		94
69) trans-1,3-Dichloropropene	8.333	75	57223	10.085	ug/L	#	75
72) 1,1,2-Trichloroethane	8.522	83	33361	11.569	ug/L		99
73) Chlorodibromomethane	8.731	129	39090	9.865	ug/L		99
74) 1,3-Dichloropropane	8.842	76	65785	11.150	ug/L		99
75) 1,2-Dibromoethane	9.009	107	33907	11.746	ug/L		99
77) 2-Hexanone	9.298	43	18438	10.666	ug/L		95
78) Chlorobenzene	9.665	112	143346	10.018	ug/L		92
79) Ethylbenzene	9.707	91	237990	9.827	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.749	131	40861	9.964	ug/L		98
81) p/m Xylene	9.895	106	188544	19.521	ug/L		96
82) o Xylene	10.430	106	179810	19.321	ug/L		98
83) Styrene	10.493	104	319864	20.847	ug/L		94
85) Bromoform	10.514	173	25272	10.548	ug/L		99
87) Isopropylbenzene	10.808	105	208816	8.956	ug/L		98
89) Bromobenzene	11.238	156	57497	9.428	ug/L		100
90) n-Propylbenzene	11.285	91	280643	10.006	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.363	83	53255	12.755	ug/L		100
93) 4-Ethyltoluene	11.411	105	221681	9.407	ug/L		98
94) 2-Chlorotoluene	11.453	91	180932M4	10.390	ug/L		
95) 1,3,5-Trimethylbenzene	11.510	105	198241	9.490	ug/L		98
96) 1,2,3-Trichloropropane	11.500	75	42066	12.499	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.557	53	11628	11.763	ug/L	#	87
98) 4-Chlorotoluene	11.631	91	183766	10.058	ug/L		95
99) tert-Butylbenzene	11.846	119	154852	9.073	ug/L		95

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A02.D
Acq On : 10 Sep 2024 06:59 am
Operator : VOA130:PID
Sample : WG1969667-4,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 07:38:50 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2024\240910A\V30240910A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.924	105	192164	9.523	ug/L	99
103)	sec-Butylbenzene	12.035	105	233607	9.532	ug/L	95
104)	p-Isopropyltoluene	12.192	119	191743	8.966	ug/L	97
105)	1,3-Dichlorobenzene	12.255	146	119676	9.987	ug/L	98
106)	1,4-Dichlorobenzene	12.344	146	121340	10.038	ug/L	99
107)	p-Diethylbenzene	12.564	119	108173	8.681	ug/L	97
108)	n-Butylbenzene	12.617	91	181290	10.196	ug/L	98
109)	1,2-Dichlorobenzene	12.769	146	112870	9.950	ug/L	97
110)	1,2,4,5-Tetramethylben...	13.351	119	149539	7.866	ug/L	97
111)	1,2-Dibromo-3-chloropr...	13.539	155	7130	12.132	ug/L	98
113)	Hexachlorobutadiene	14.153	225	25745	8.923	ug/L	99
114)	1,2,4-Trichlorobenzene	14.174	180	70885	9.330	ug/L	98
115)	Naphthalene	14.467	128	150406	9.437	ug/L	100
116)	1,2,3-Trichlorobenzene	14.635	180	69697	9.782	ug/L	97

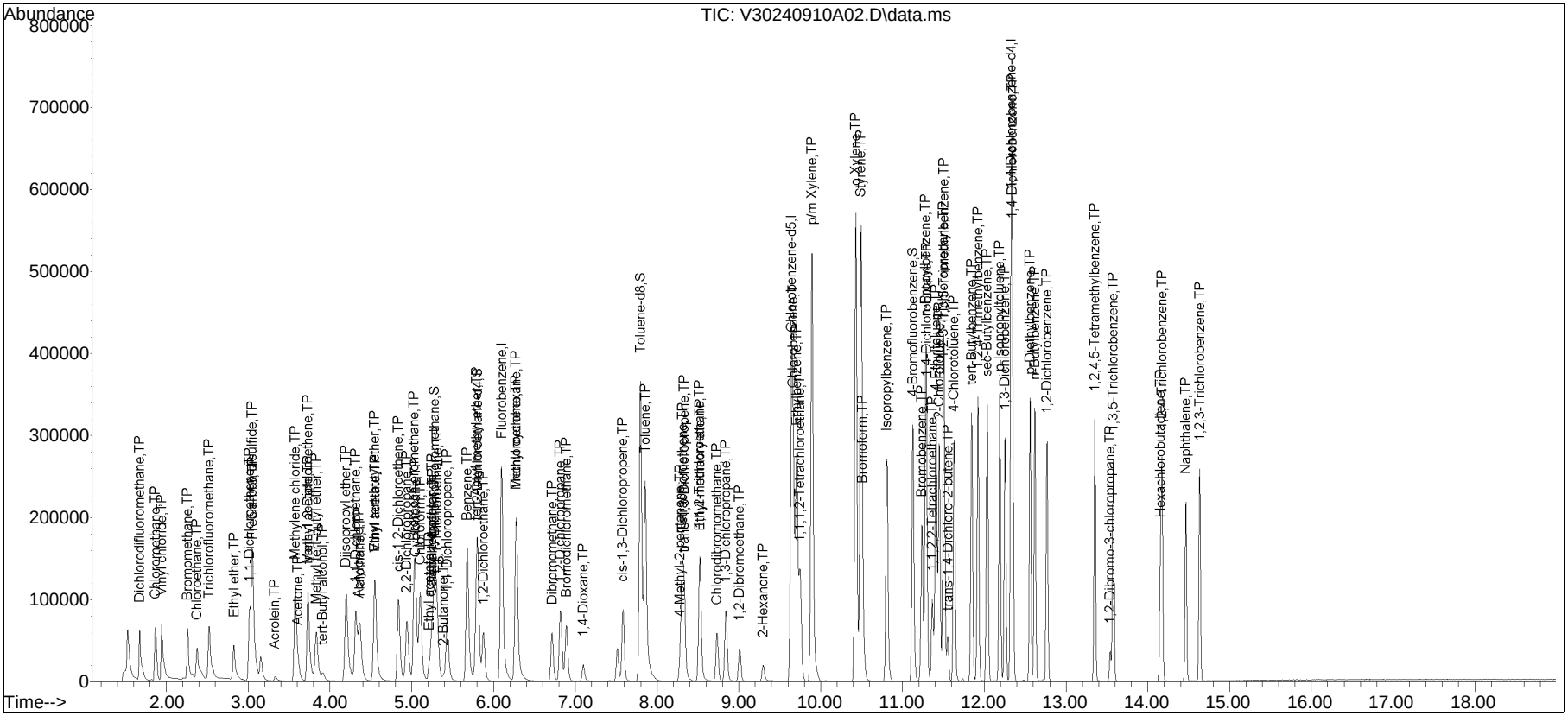
(#) = qualifier out of range (m) = manual integration (+) = signals summed

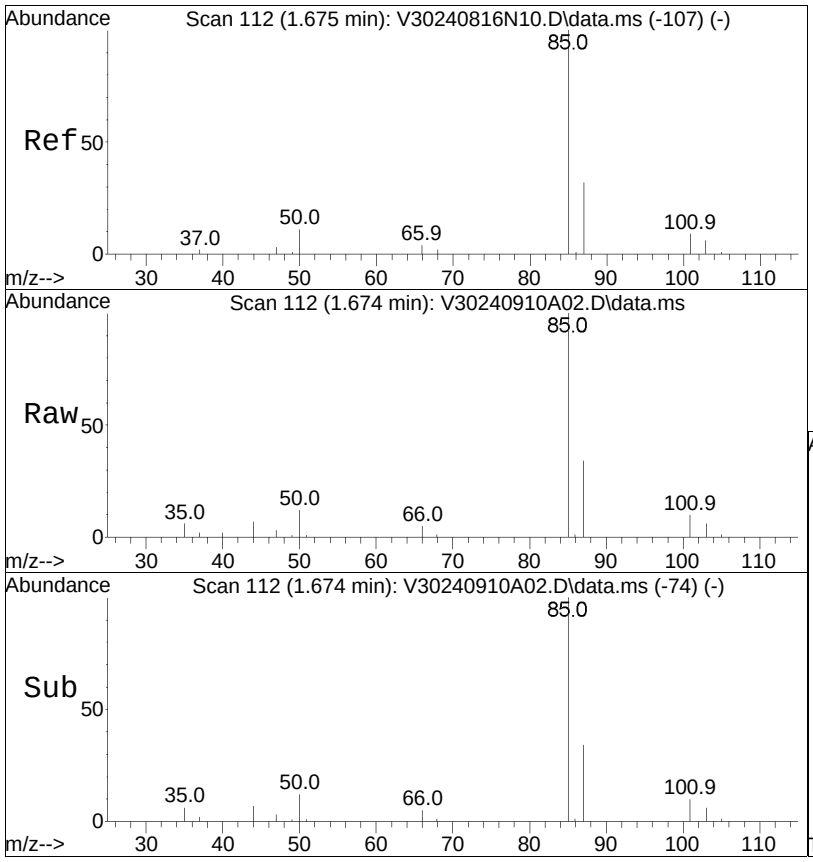
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A02.D
Acq On : 10 Sep 2024 06:59 am
Operator : VOA130:PID
Sample : WG1969667-4,31,10,10
Misc : WG1969667,ICAL21400
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 07:38:50 2024
Quant Method : K:\VOA130\2024\240910A\V130_240816N_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Aug 21 06:44:30 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

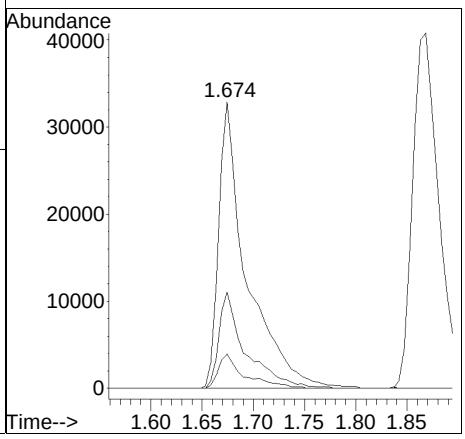


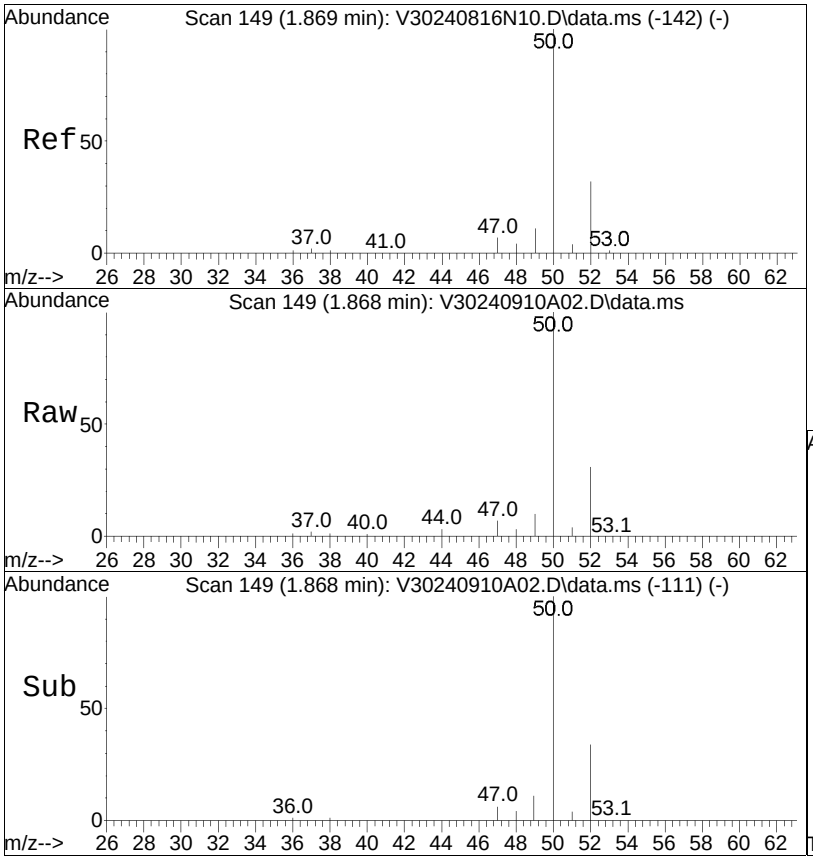


#2
Dichlorodifluoromethane
Concen: 8.84 ug/L
RT: 1.674 min Scan# 112
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 85 Resp: 62901

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.2	42.0
50	11.2	10.1	20.9

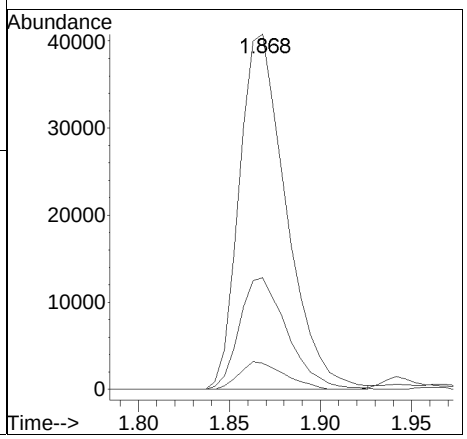


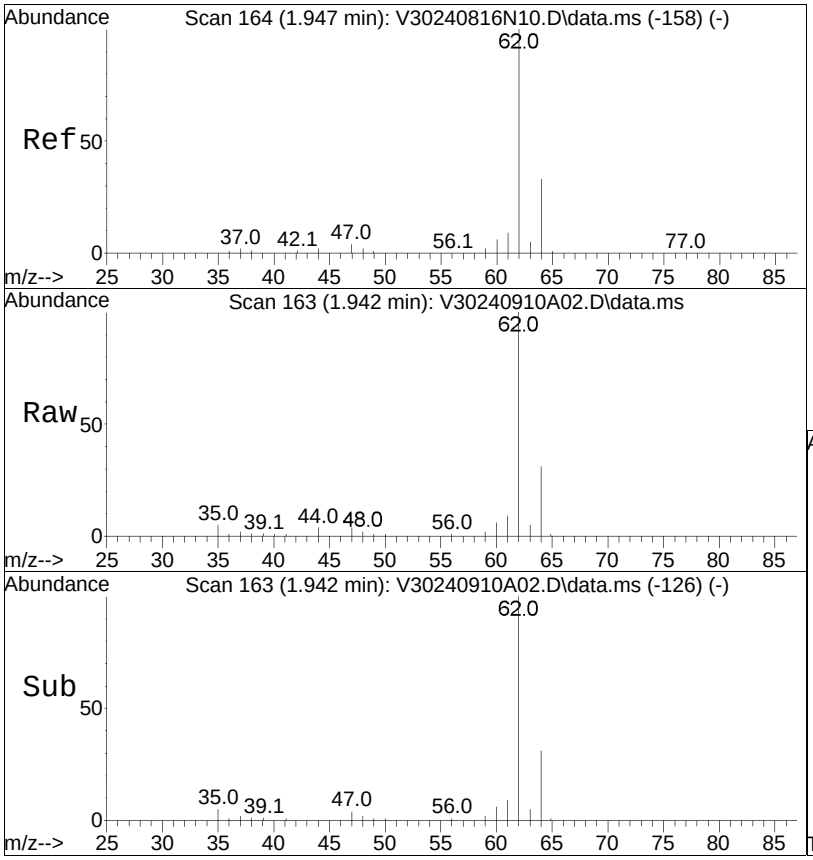


#3
Chloromethane
Concen: 9.52 ug/L
RT: 1.868 min Scan# 149
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 50 Resp: 73123

Ion	Ratio	Lower	Upper
50	100		
52	32.0	25.1	37.7
47	7.6	6.5	9.7

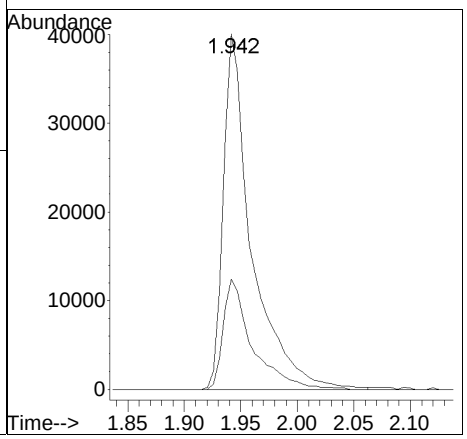


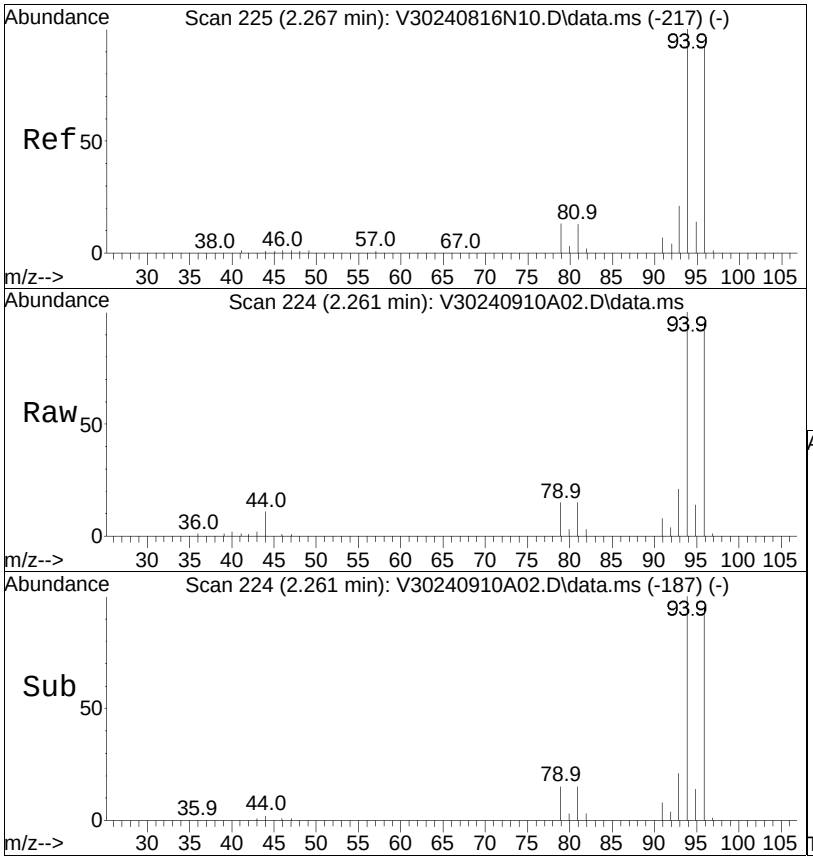


#4
Vinyl chloride
Concen: 10.12 ug/L
RT: 1.942 min Scan# 163
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 62 Resp: 69729

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.7	38.5

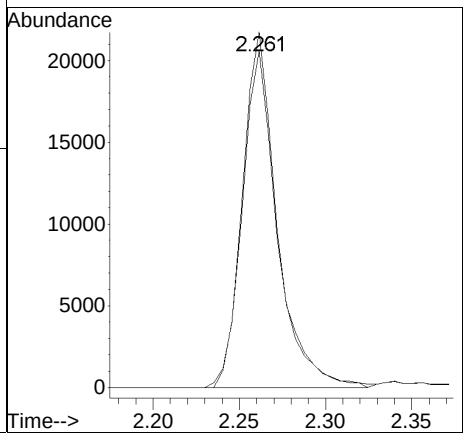


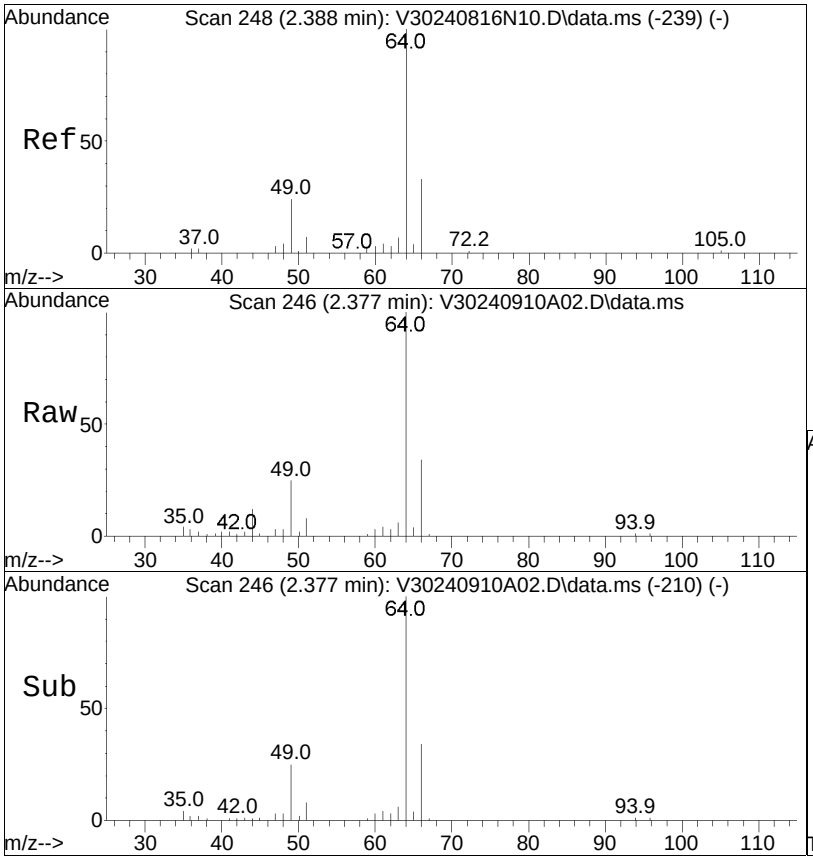


#5
Bromomethane
Concen: 7.37 ug/L
RT: 2.261 min Scan# 224
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 94 Resp: 30431

Ion	Ratio	Lower	Upper
94	100		
96	95.4	73.7	110.5

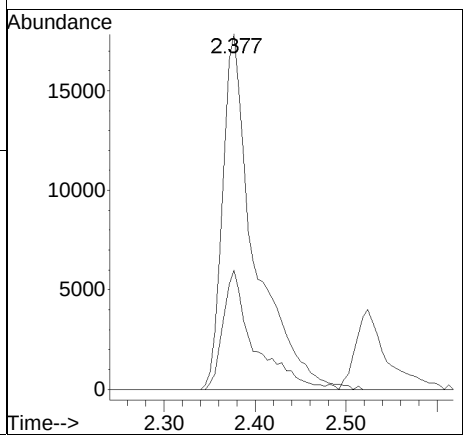


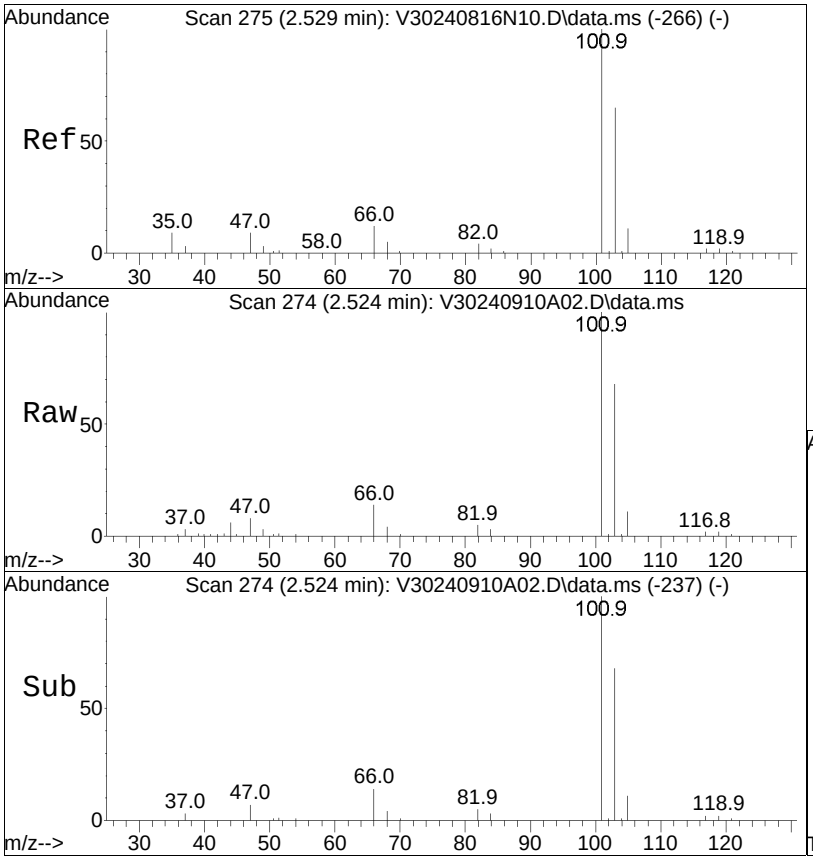


#6
Chloroethane
Concen: 9.98 ug/L
RT: 2.377 min Scan# 246
Delta R.T. -0.011 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 64 Resp: 43806

Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.3	37.9

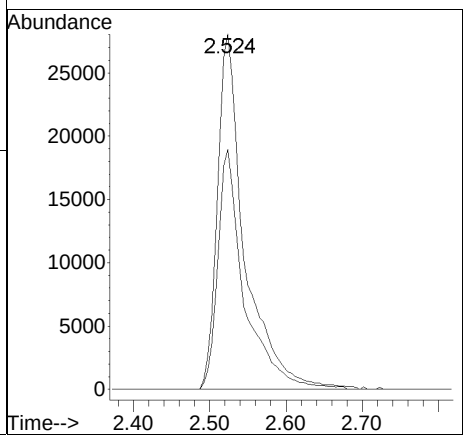


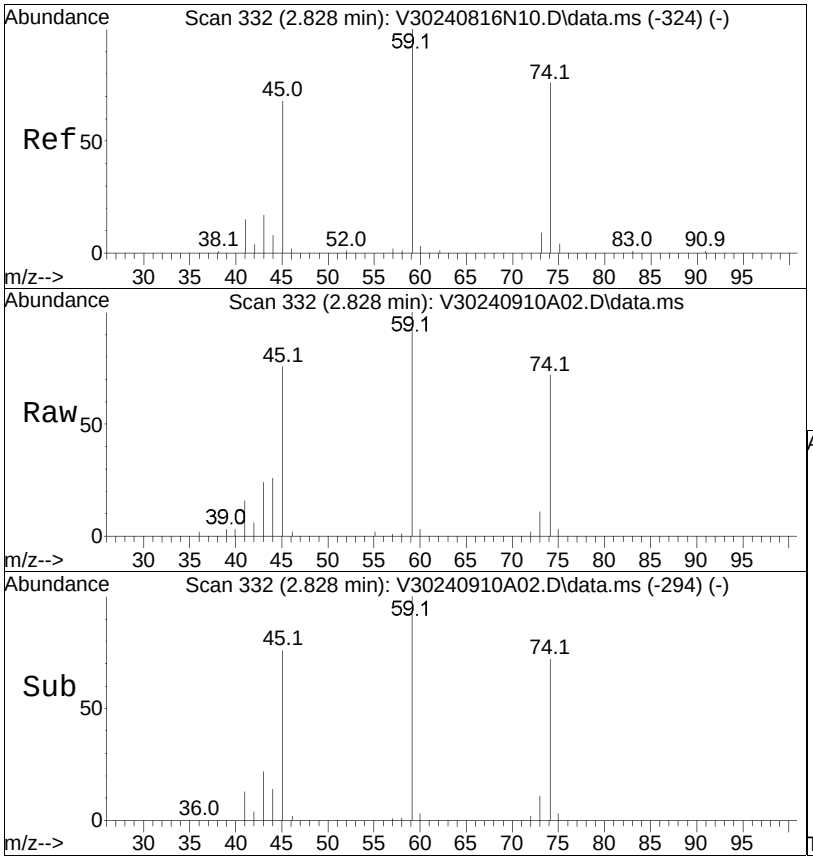


#7
Trichlorofluoromethane
Concen: 9.02 ug/L
RT: 2.524 min Scan# 274
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:101 Resp: 70020

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.4

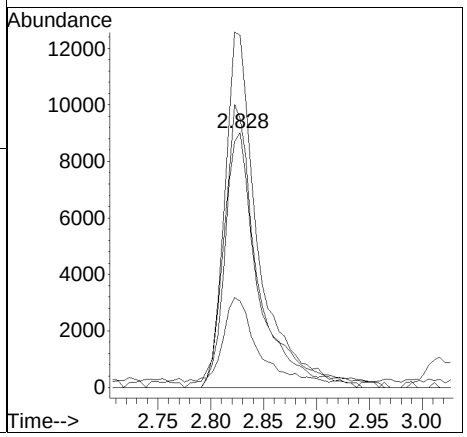


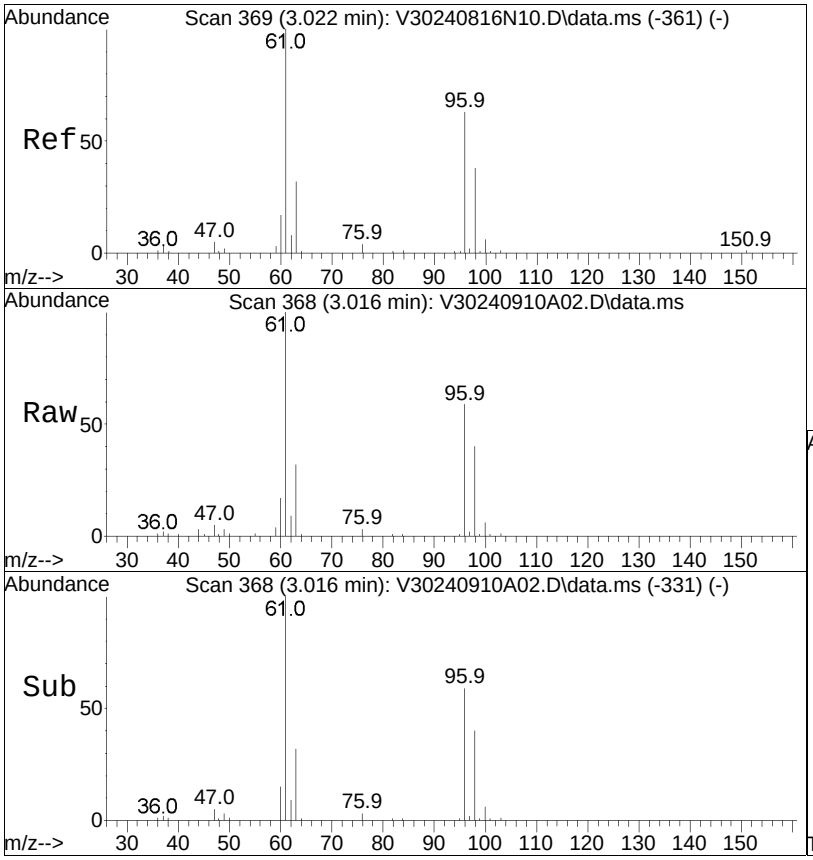


#8
Ethyl ether
Concen: 8.90 ug/L
RT: 2.828 min Scan# 332
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 74 Resp: 19928

Ion	Ratio	Lower	Upper
74	100		
59	140.7	97.6	202.8
45	114.8	80.6	167.4
43	32.8	24.8	51.6

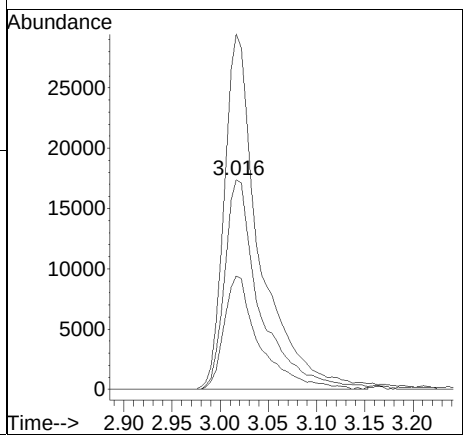


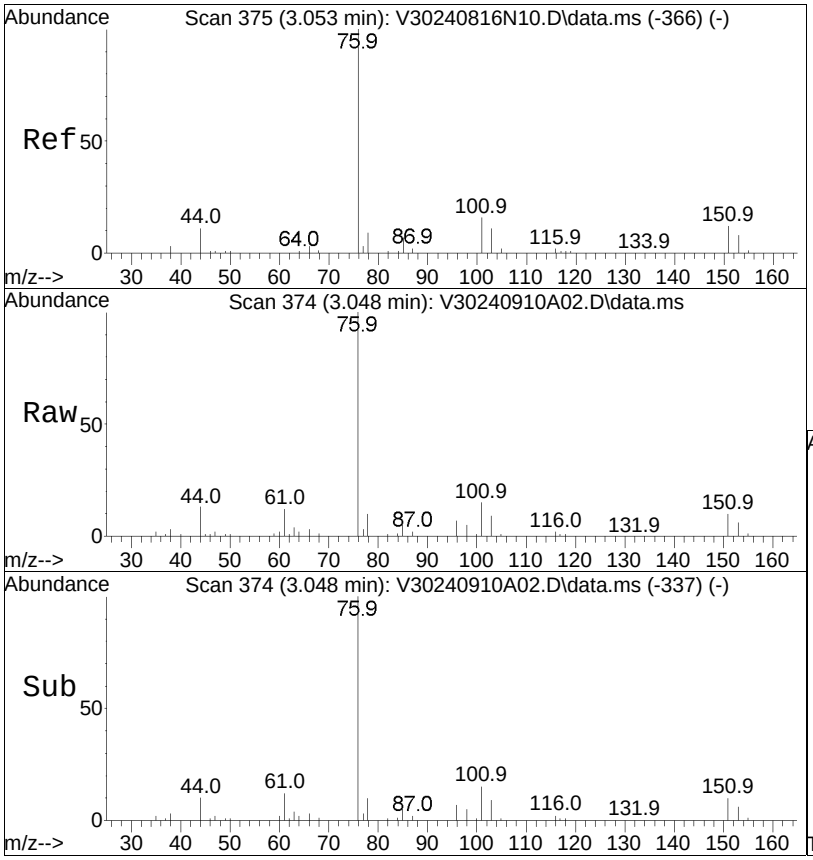


#10
1,1-Dichloroethene
Concen: 9.39 ug/L
RT: 3.016 min Scan# 368
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 96 Resp: 44622

Ion	Ratio	Lower	Upper
96	100		
61	170.9	165.5	248.3
63	54.2	51.9	77.9

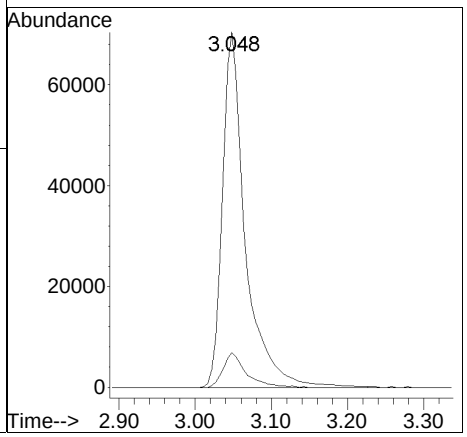


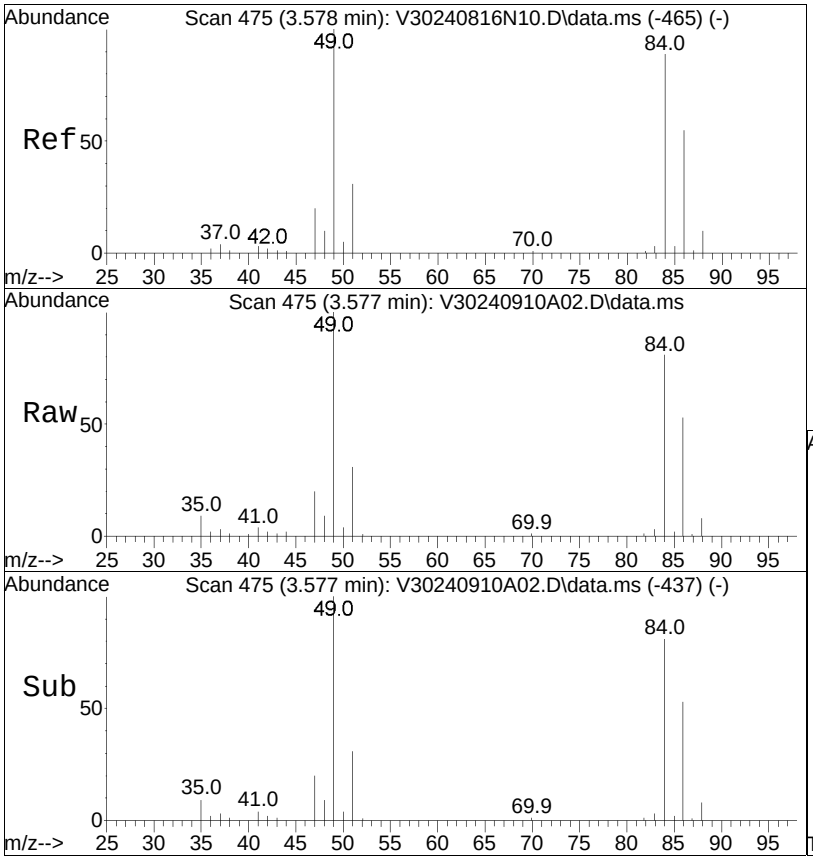


#11
Carbon disulfide
Concen: 9.92 ug/L
RT: 3.048 min Scan# 374
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 76 Resp: 147218

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.4	13.4

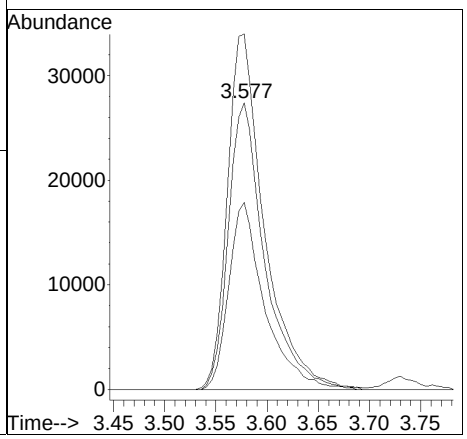


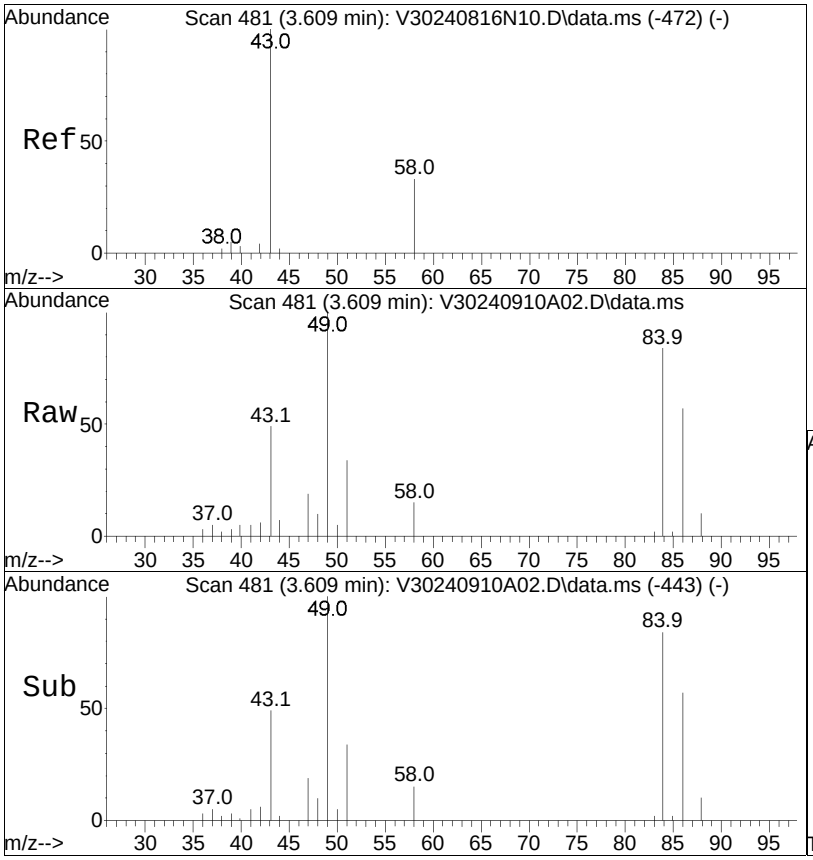


#15
Methylene chloride
Concen: 10.67 ug/L
RT: 3.577 min Scan# 475
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 84 Resp: 67790

Ion	Ratio	Lower	Upper
84	100		
86	64.4	41.7	86.5
49	126.0	103.9	215.9

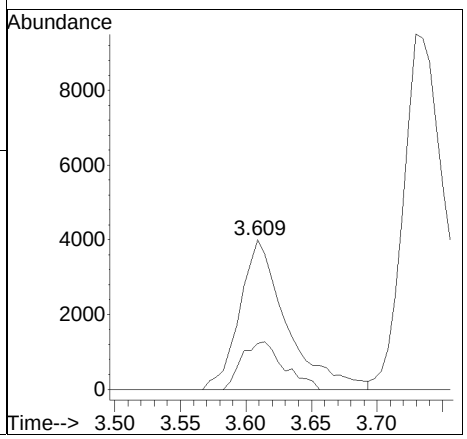


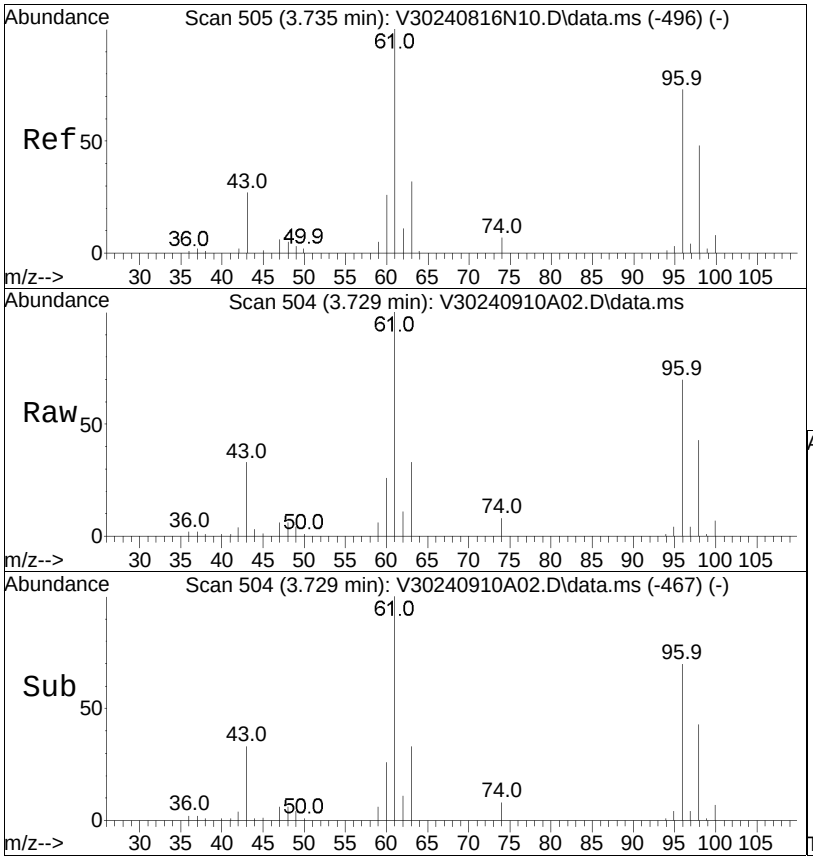


#17
Acetone
Concen: 12.95 ug/L
RT: 3.609 min Scan# 481
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 43 Resp: 9979

Ion	Ratio	Lower	Upper
43	100		
58	28.5	20.1	30.1

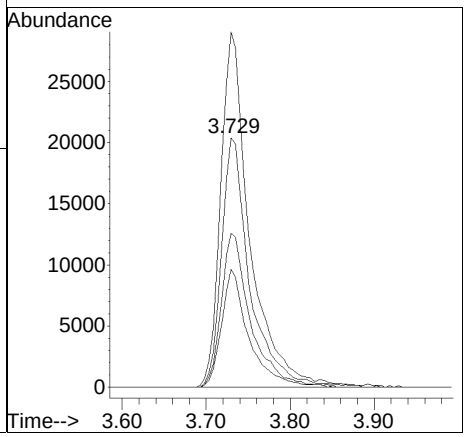


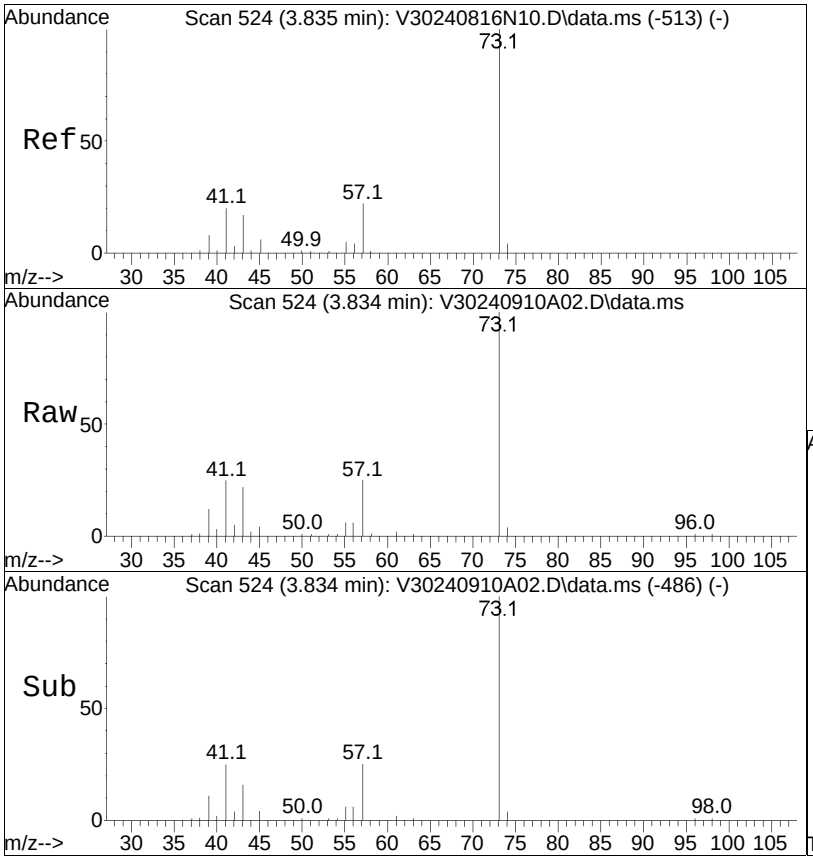


#18
trans-1,2-Dichloroethene
Concen: 9.86 ug/L
RT: 3.729 min Scan# 504
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 96 Resp: 48223

Ion	Ratio	Lower	Upper
96	100		
61	145.8	113.6	236.0
98	63.3	40.8	84.8
63	45.4	36.5	75.7

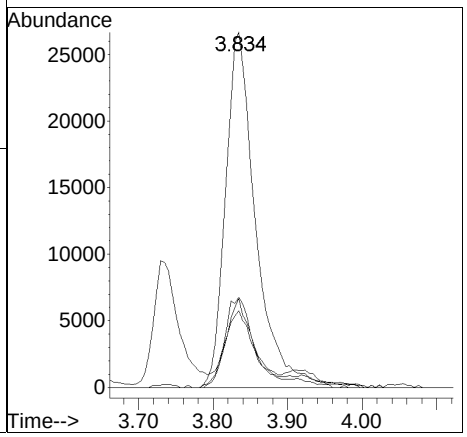


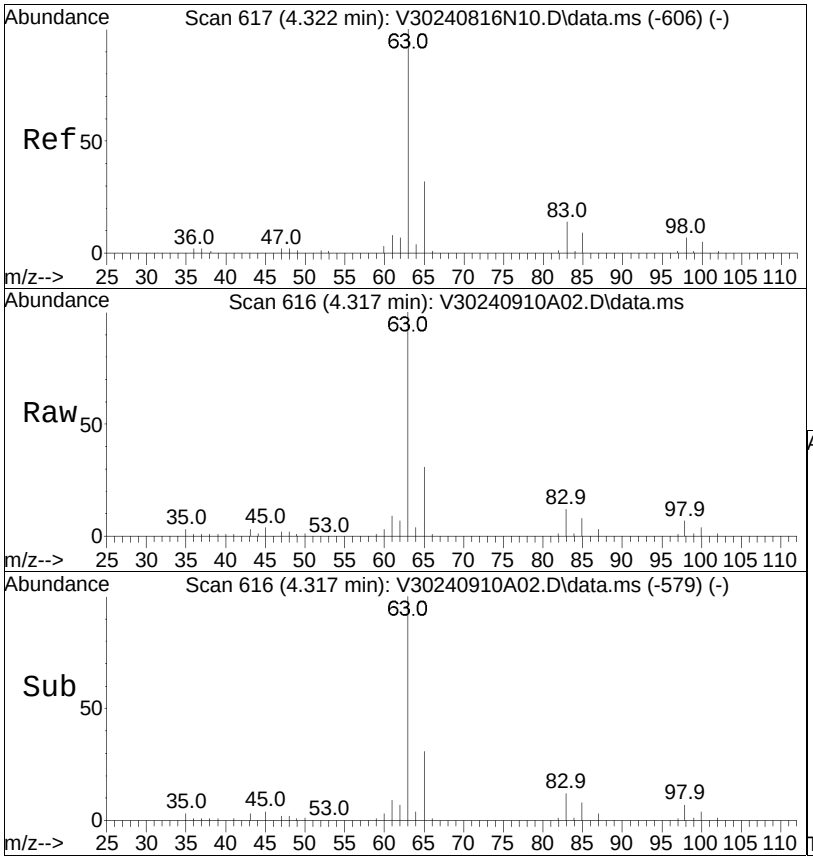


#21
Methyl tert-butyl ether
Concen: 7.49 ug/L
RT: 3.834 min Scan# 524
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 73 Resp: 75569

Ion	Ratio	Lower	Upper
73	100		
57	22.8	15.5	32.1
43	16.4	16.6	34.6#
41	24.6	17.2	35.6

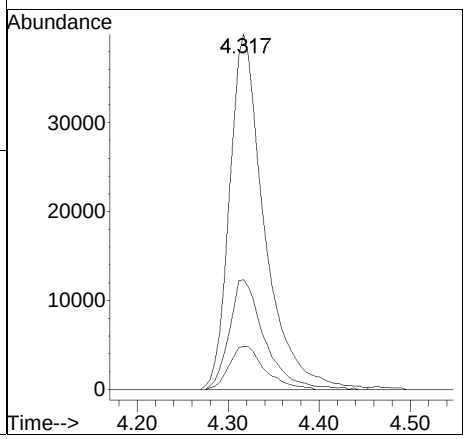


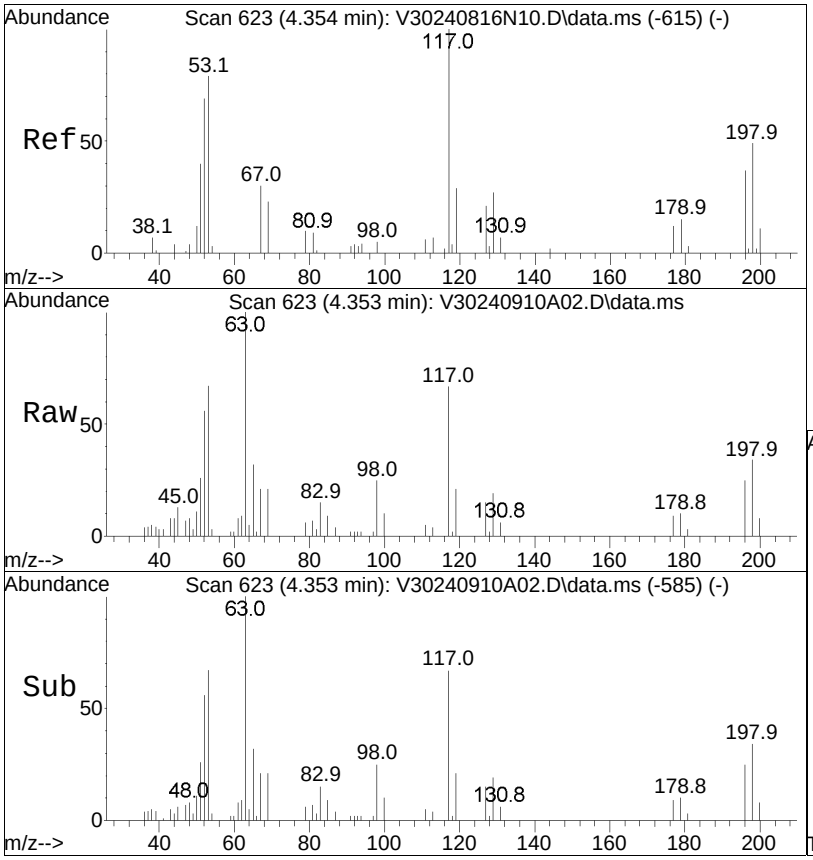


#25
1,1-Dichloroethane
Concen: 11.55 ug/L
RT: 4.317 min Scan# 616
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 63 Resp: 106383

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.5	36.7
83	12.4	8.9	13.3

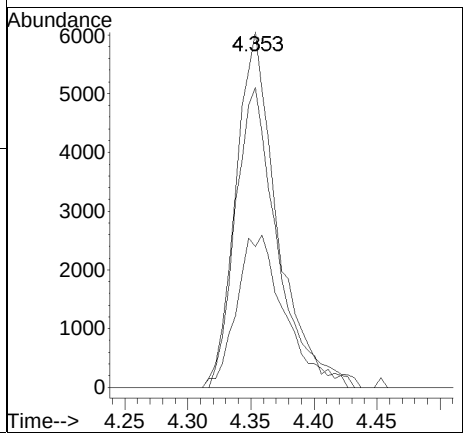


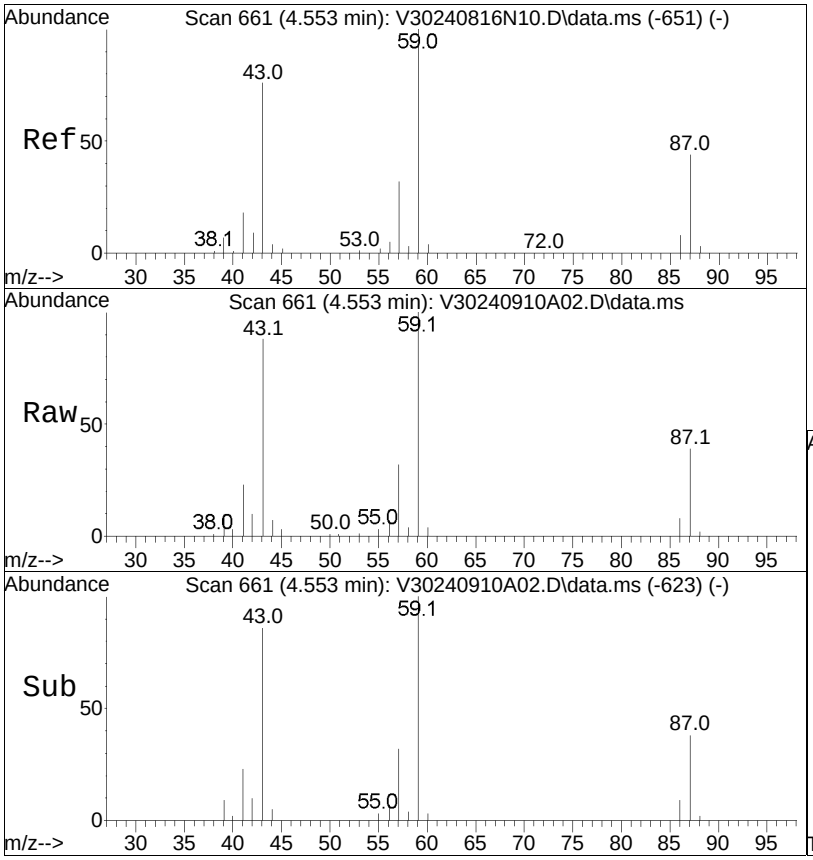


#27
Acrylonitrile
Concen: 12.50 ug/L
RT: 4.353 min Scan# 623
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 53 Resp: 13949

Ion	Ratio	Lower	Upper
53	100		
52	84.7	69.0	103.6
51	49.4	41.8	62.8

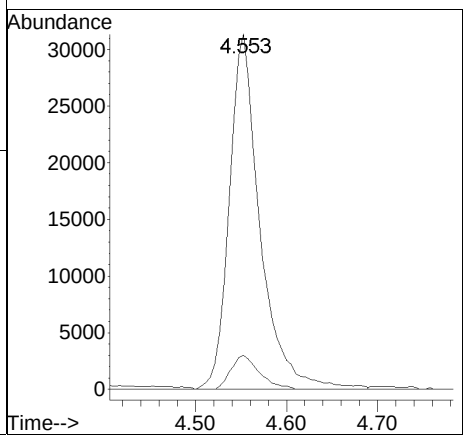


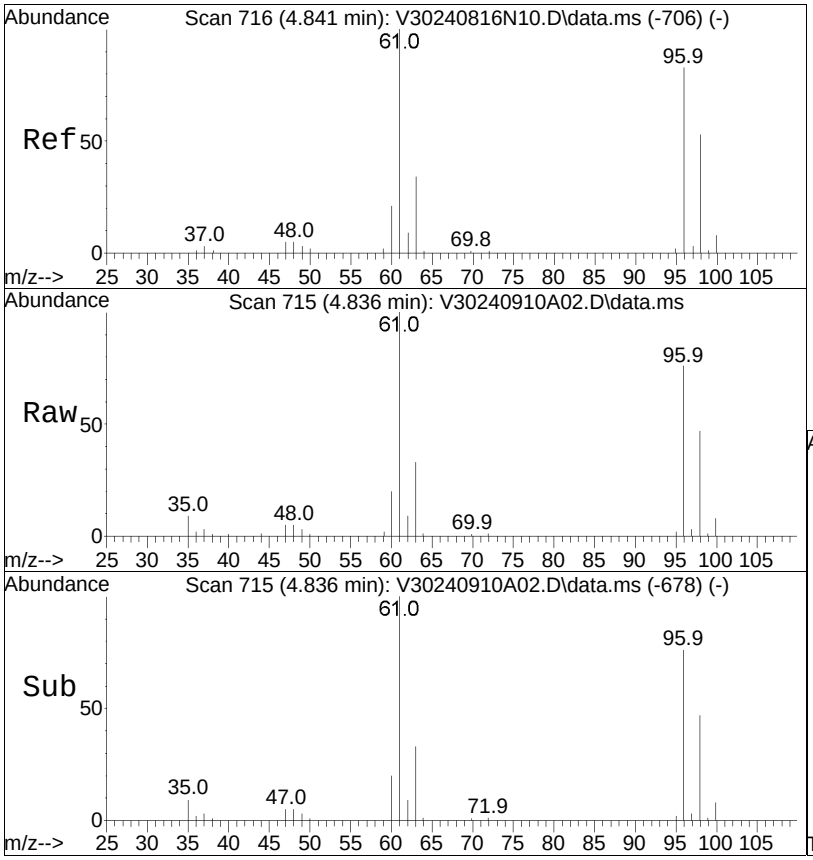


#29
Vinyl acetate
Concen: 9.64 ug/L
RT: 4.553 min Scan# 661
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 43 Resp: 73787

Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.0	7.6#

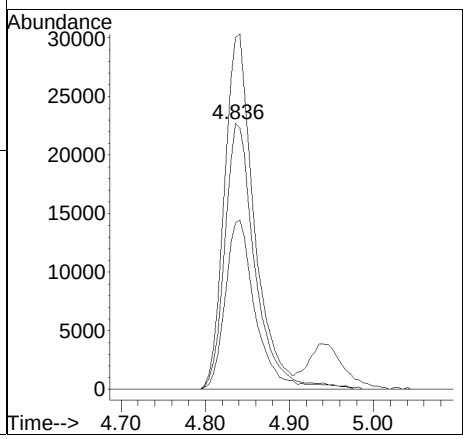


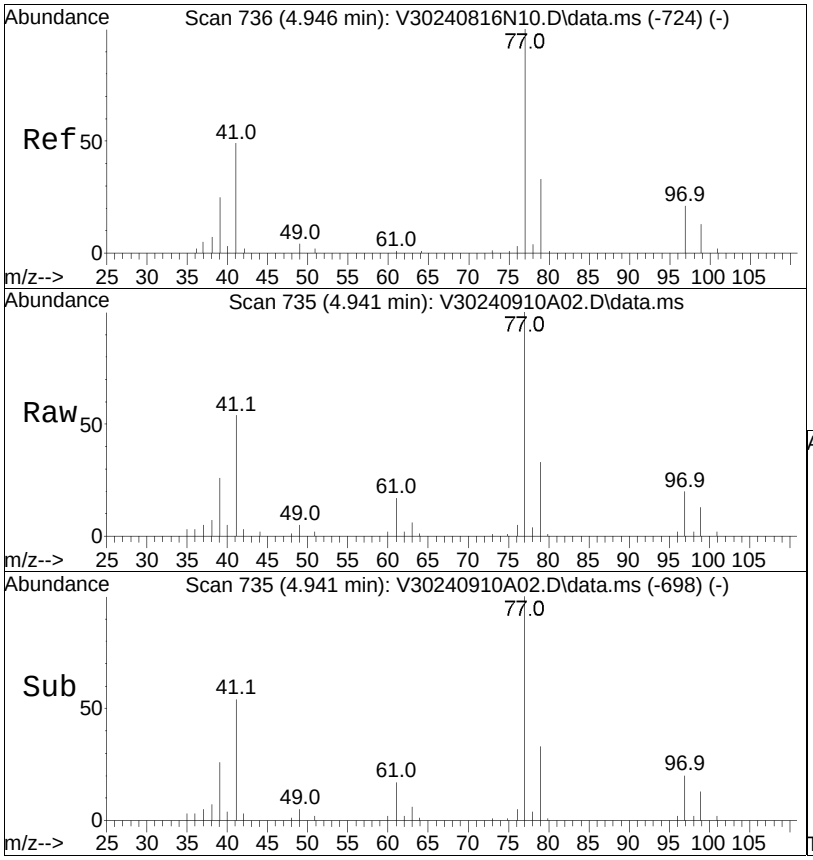


#30
cis-1,2-Dichloroethene
Concen: 9.98 ug/L
RT: 4.836 min Scan# 715
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 96 Resp: 57202

Ion	Ratio	Lower	Upper
96	100		
61	129.4	129.3	193.9
98	64.1	51.4	77.2

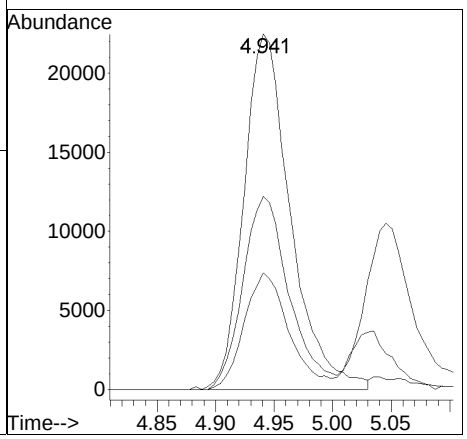


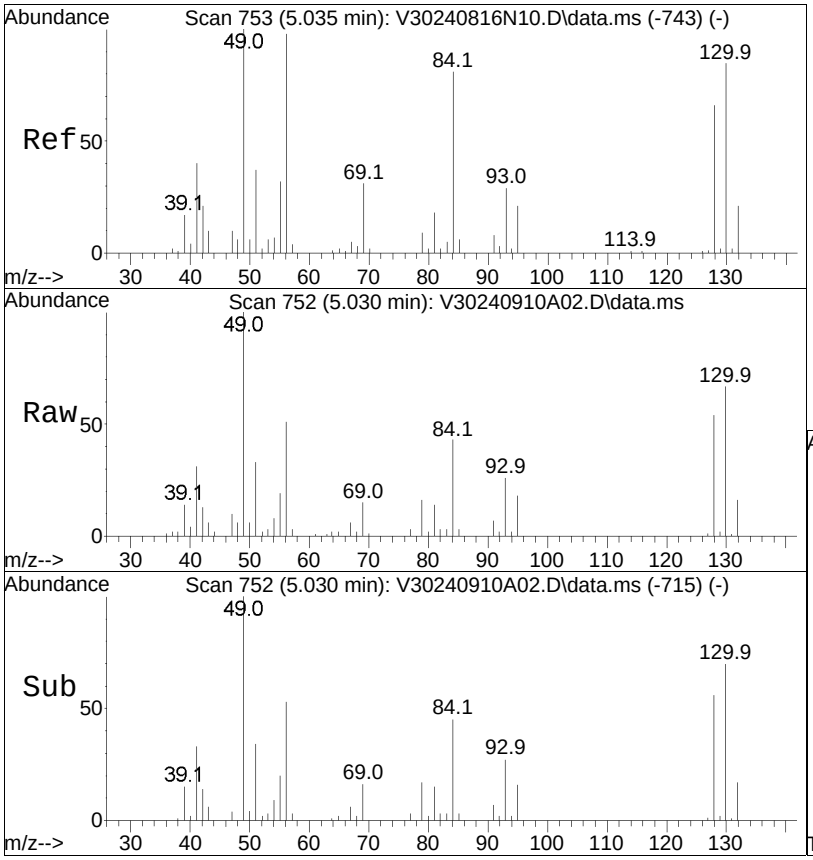


#31
2,2-Dichloropropane
Concen: 8.82 ug/L
RT: 4.941 min Scan# 735
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 77 Resp: 62231

Ion	Ratio	Lower	Upper
77	100		
41	54.2	49.2	102.2
79	31.6	20.6	42.8

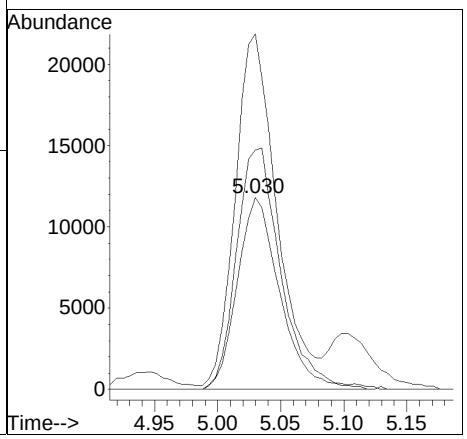


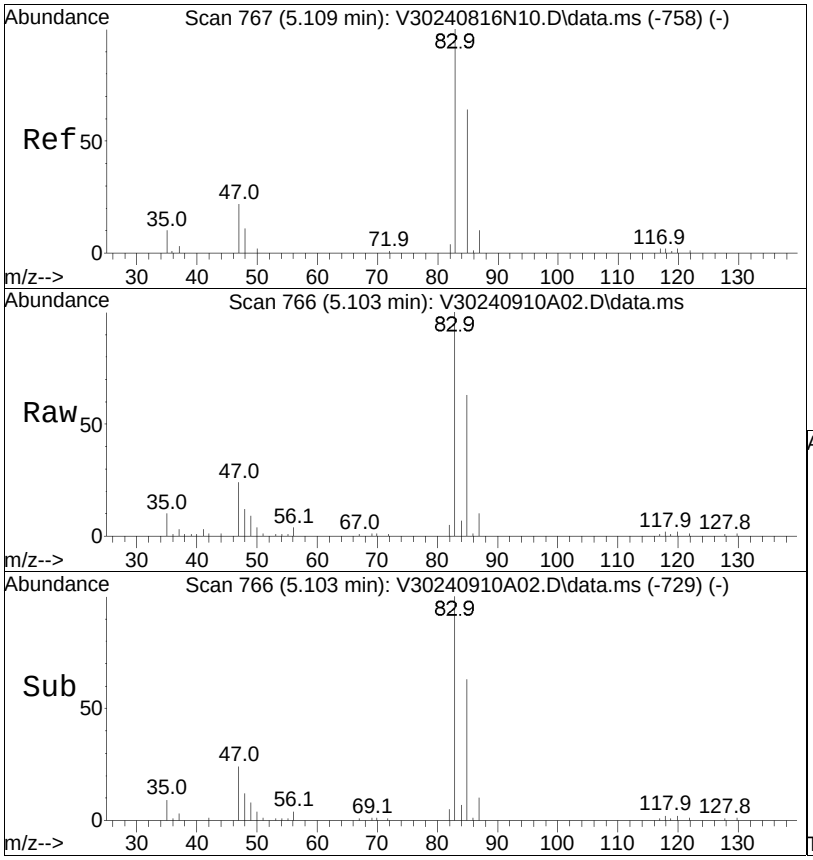


#33
Bromochloromethane
Concen: 10.17 ug/L
RT: 5.030 min Scan# 752
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:128 Resp: 27737

Ion	Ratio	Lower	Upper
128	100		
49	183.0	214.8	322.2#
130	131.2	105.4	158.2

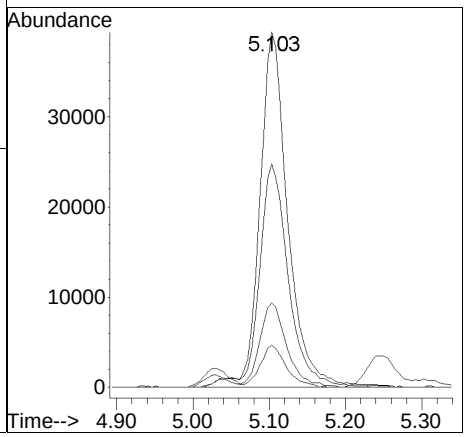


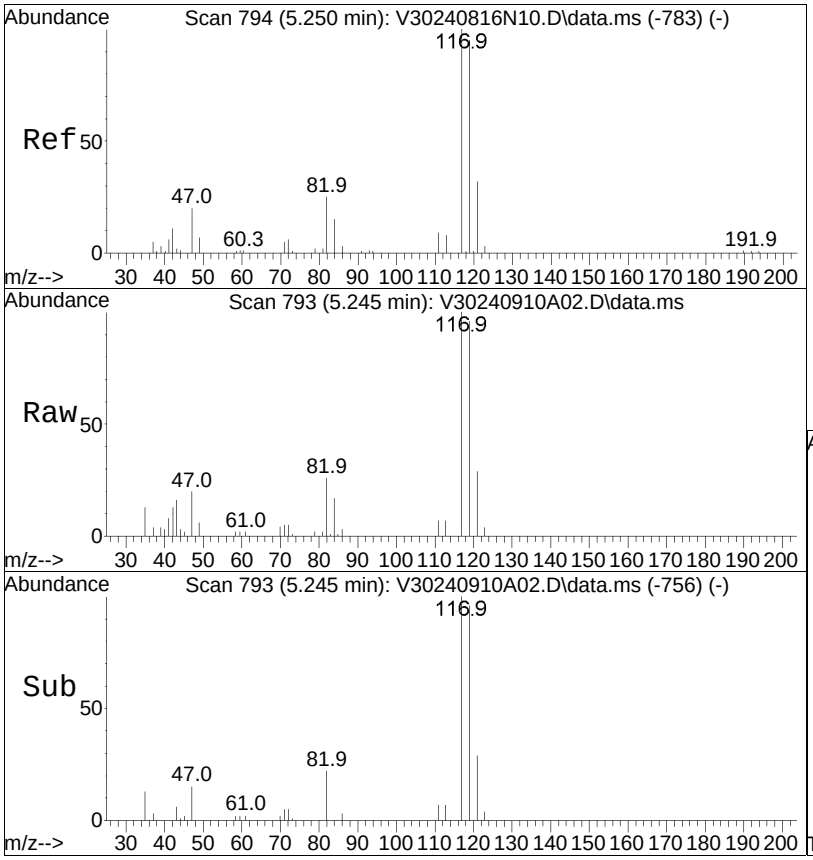


#35
Chloroform
Concen: 11.27 ug/L
RT: 5.103 min Scan# 766
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 83 Resp: 101094

Ion	Ratio	Lower	Upper
83	100		
85	62.4	41.4	86.0
47	23.0	20.5	42.5
48	11.0	9.9	20.5

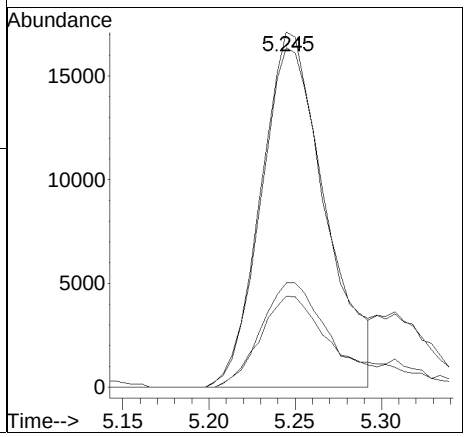


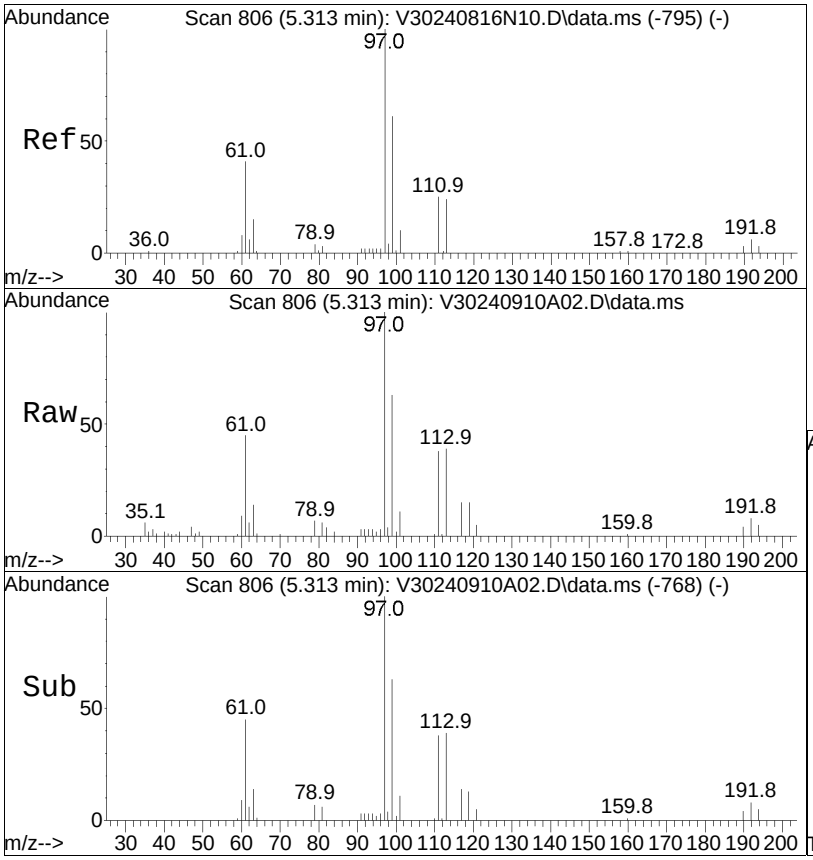


#37
Carbon tetrachloride
Concen: 7.50 ug/L
RT: 5.245 min Scan# 793
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:117 Resp: 44455

Ion	Ratio	Lower	Upper
117	100		
119	96.8	62.0	128.8
121	32.2	19.6	40.6
82	32.3	18.8	39.0

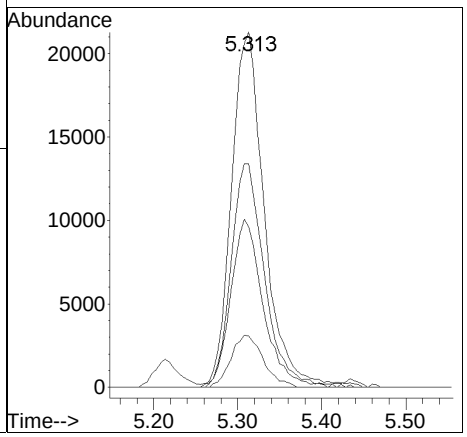


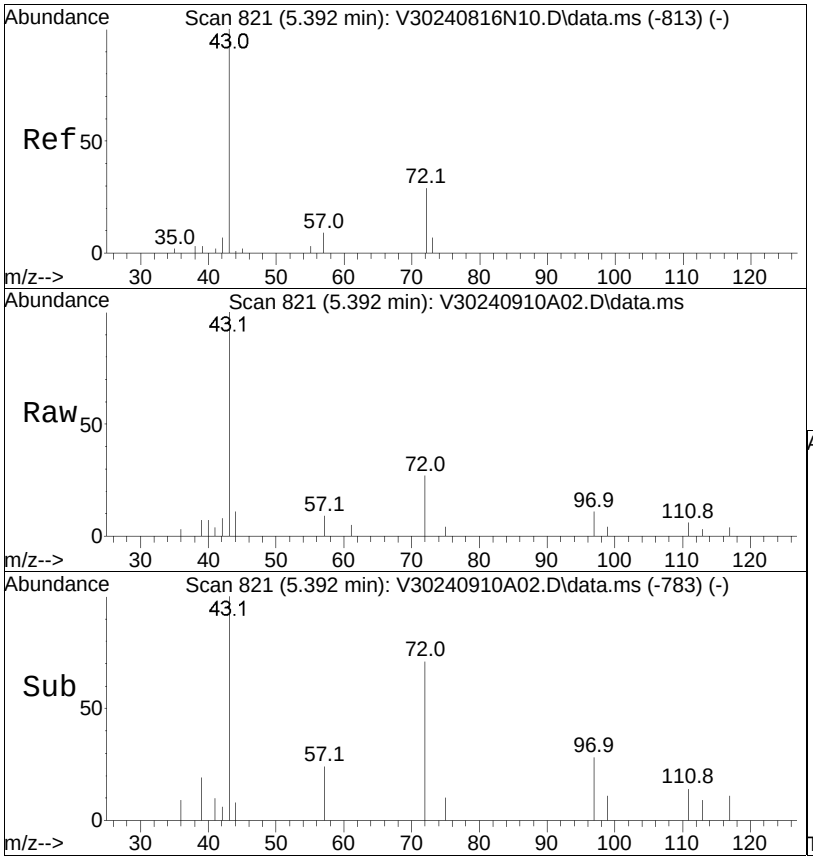


#40
1,1,1-Trichloroethane
Concen: 7.80 ug/L
RT: 5.313 min Scan# 806
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 97 Resp: 58313

Ion	Ratio	Lower	Upper
97	100		
99	63.4	40.6	84.4
61	46.7	35.0	72.8
63	14.4	11.1	23.0

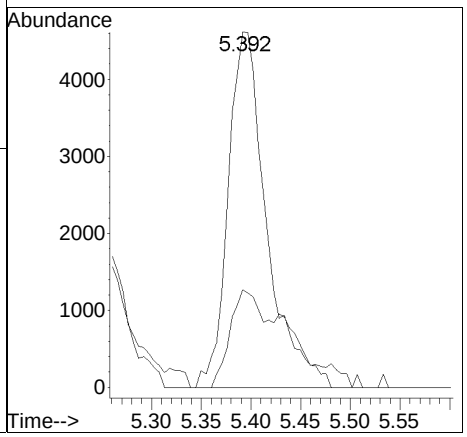


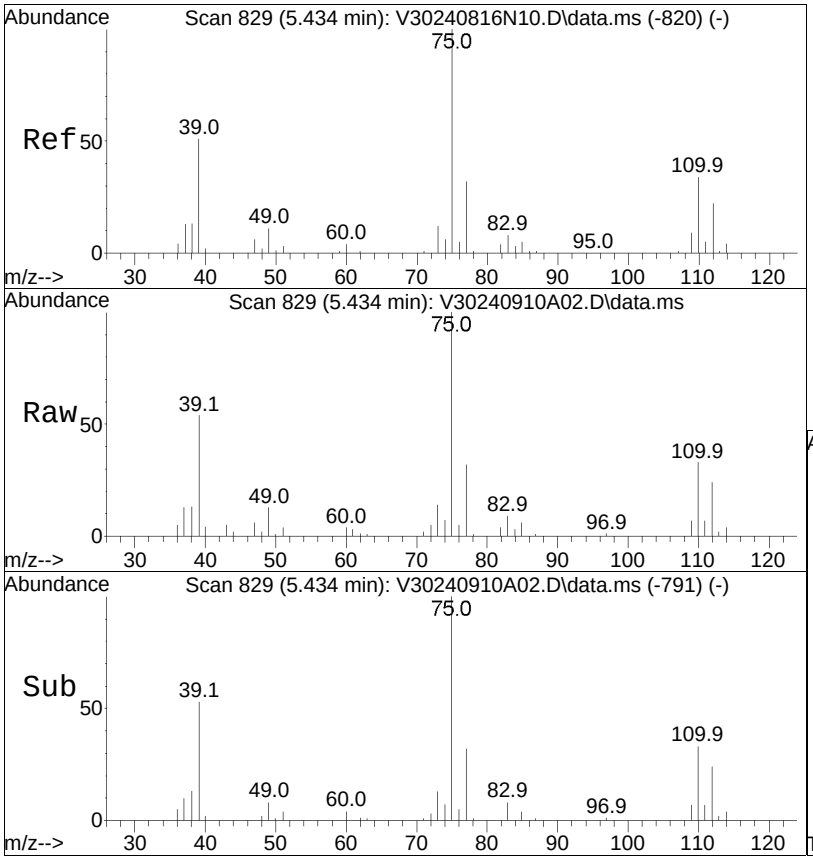


#42
2-Butanone
Concen: 11.05 ug/L
RT: 5.392 min Scan# 821
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 43 Resp: 12819

Ion	Ratio	Lower	Upper
43	100		
72	25.1	18.2	27.4

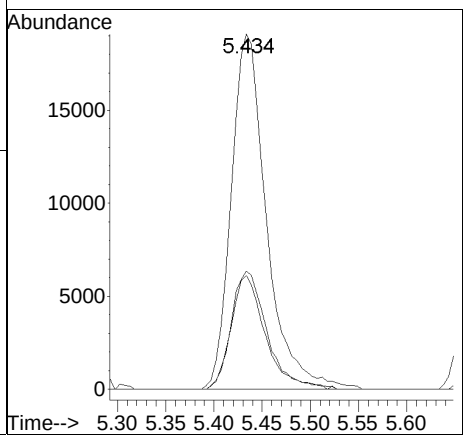


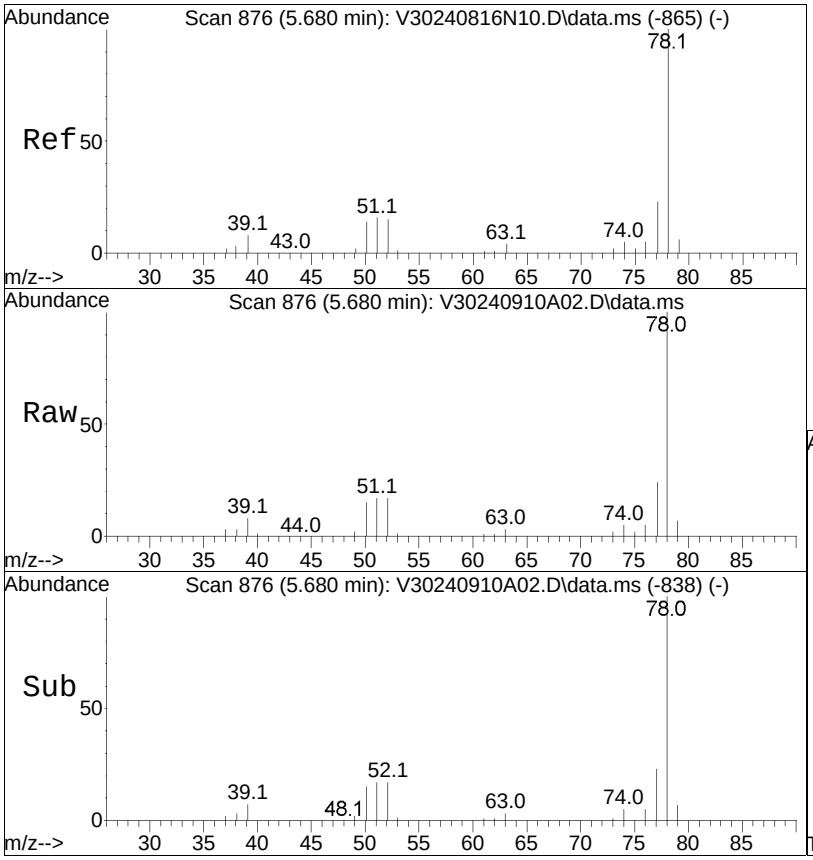


#43
1,1-Dichloropropene
Concen: 7.97 ug/L
RT: 5.434 min Scan# 829
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 75 Resp: 48721

Ion	Ratio	Lower	Upper
75	100		
110	33.7	19.4	40.4
77	31.3	19.7	40.9

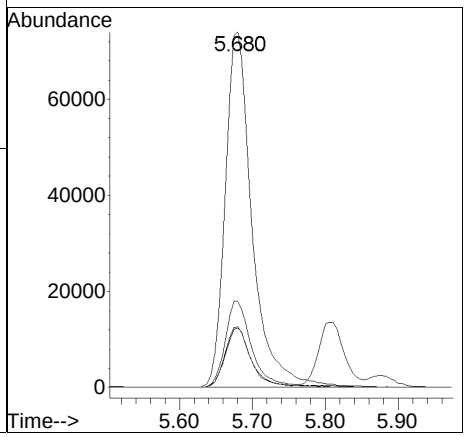


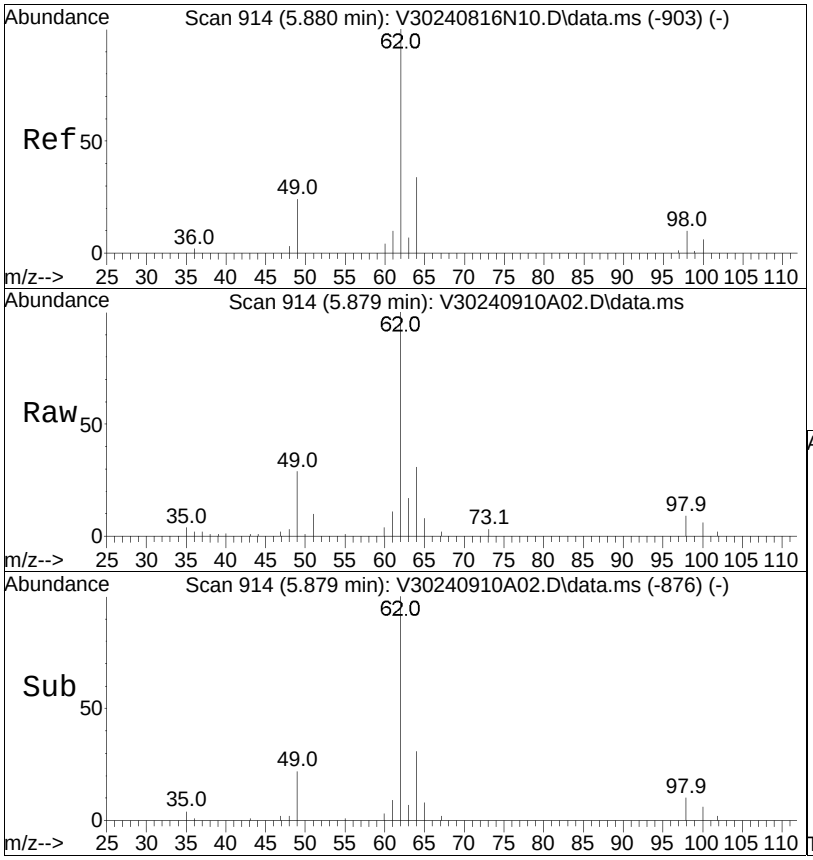


#45
Benzene
Concen: 9.86 ug/L
RT: 5.680 min Scan# 876
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 78 Resp: 191087

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.6	32.4
51	16.4	12.9	26.7
52	16.1	12.4	25.7

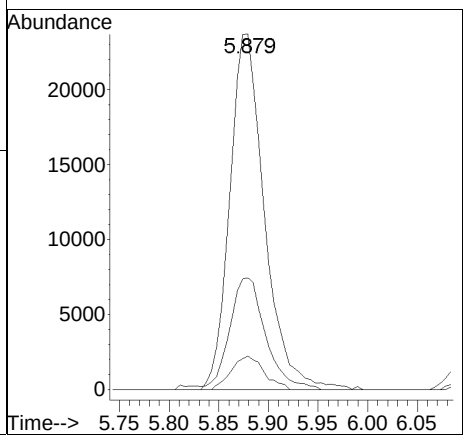


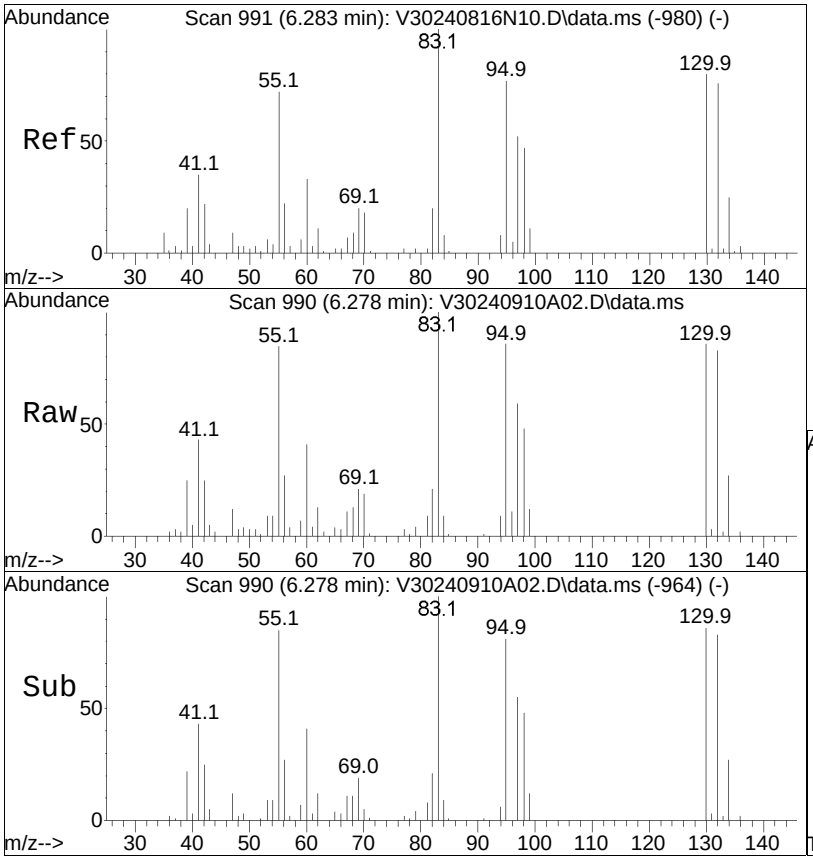


#48
1,2-Dichloroethane
Concen: 10.33 ug/L
RT: 5.879 min Scan# 914
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 62 Resp: 57592

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.5	38.3
98	8.8	5.5	8.3#

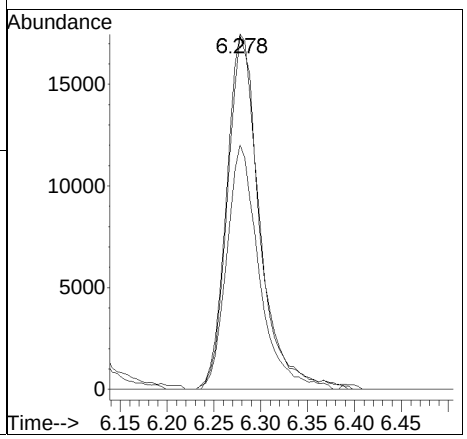


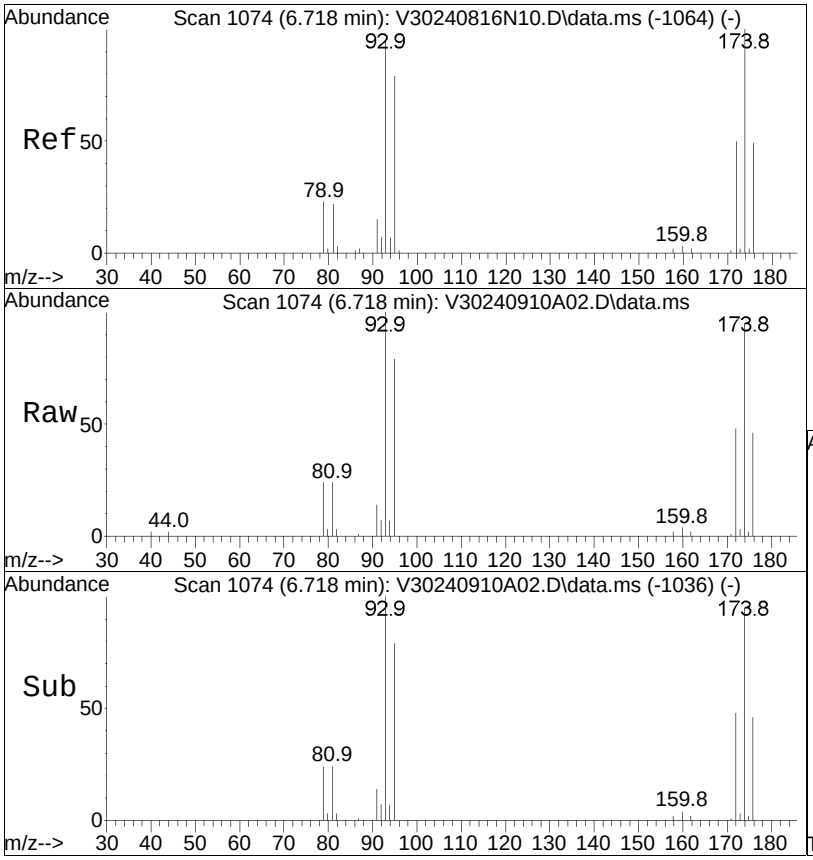


#52
Trichloroethene
Concen: 8.39 ug/L
RT: 6.278 min Scan# 990
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 95 Resp: 43355

Ion	Ratio	Lower	Upper
95	100		
97	67.1	53.8	80.6
130	96.9	71.4	107.0

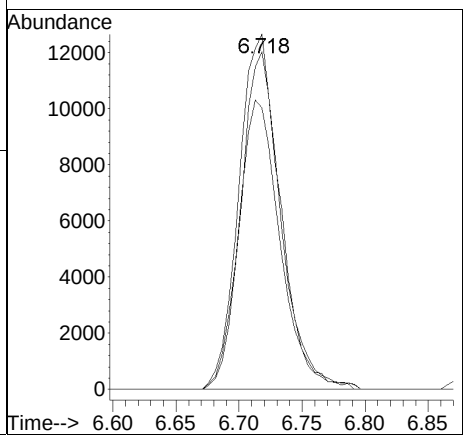


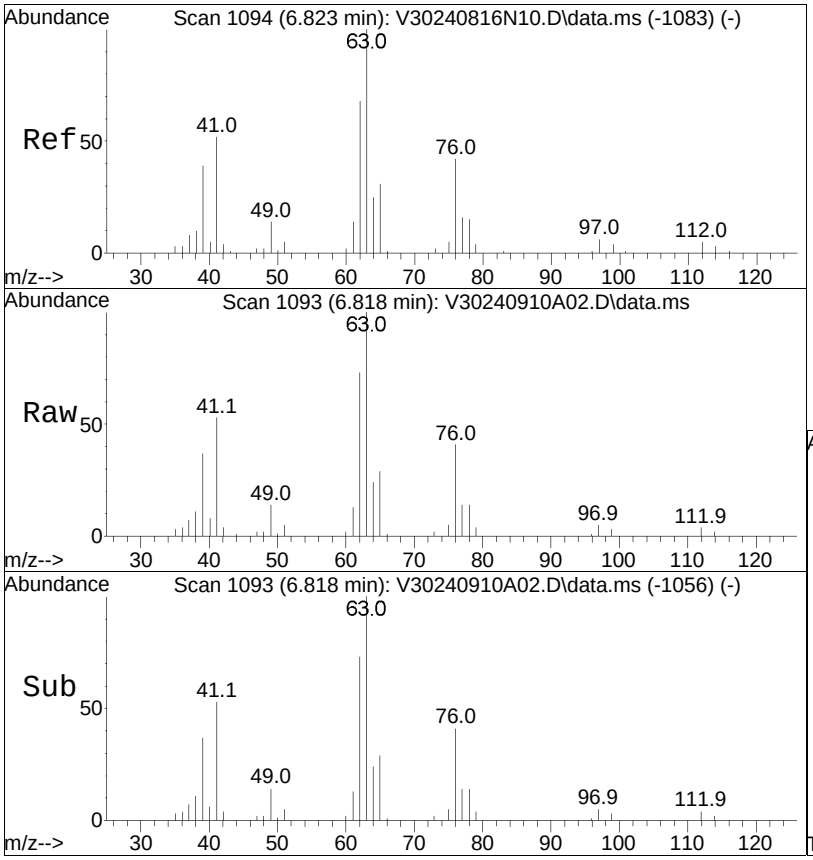


#54
Dibromomethane
Concen: 10.82 ug/L
RT: 6.718 min Scan# 1074
Delta R.T. 0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 93 Resp: 28805

Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.9	100.3
174	93.4	66.4	99.6

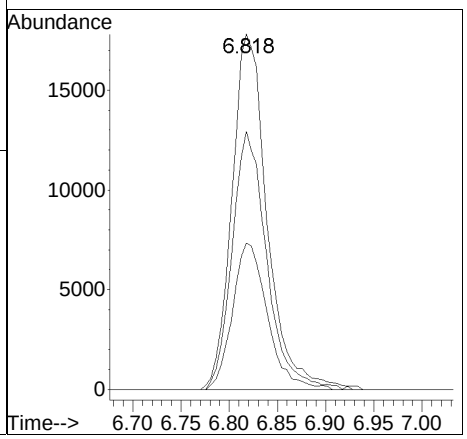


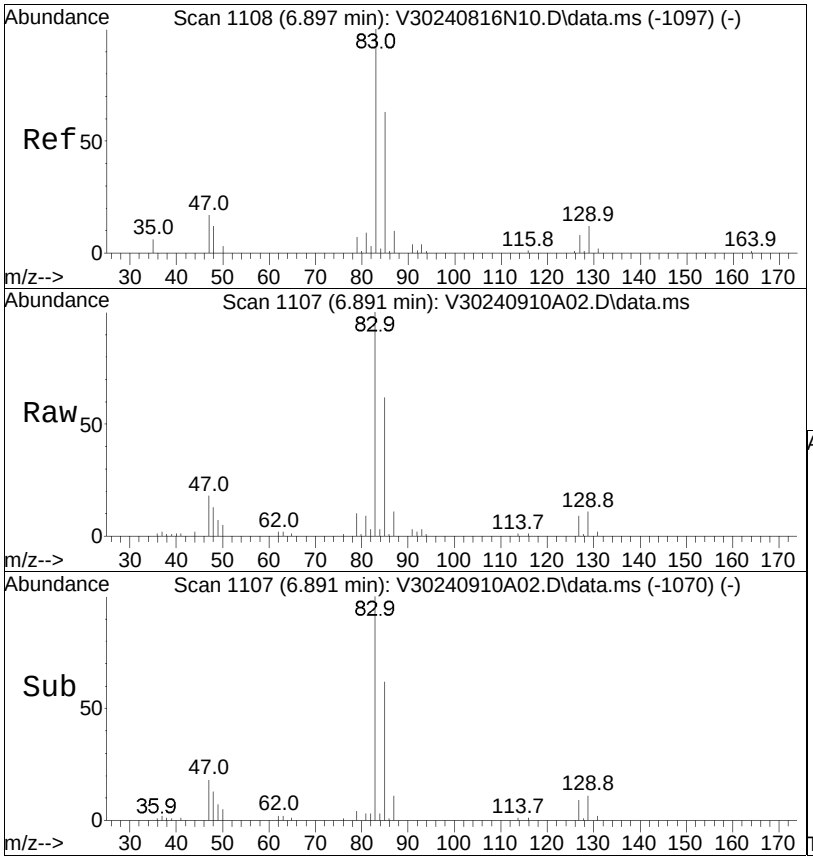


#55
1,2-Dichloropropane
Concen: 10.03 ug/L
RT: 6.818 min Scan# 1093
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 63 Resp: 45360

Ion	Ratio	Lower	Upper
63	100		
62	71.2	58.1	87.1
76	40.7	30.4	45.6

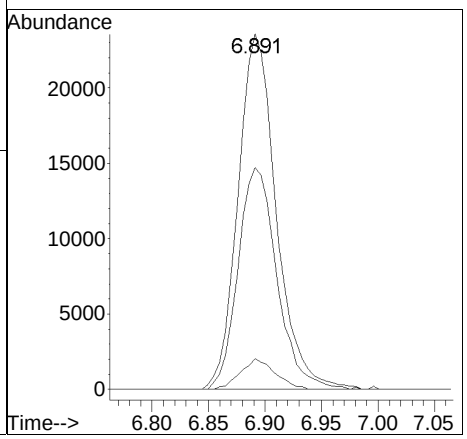


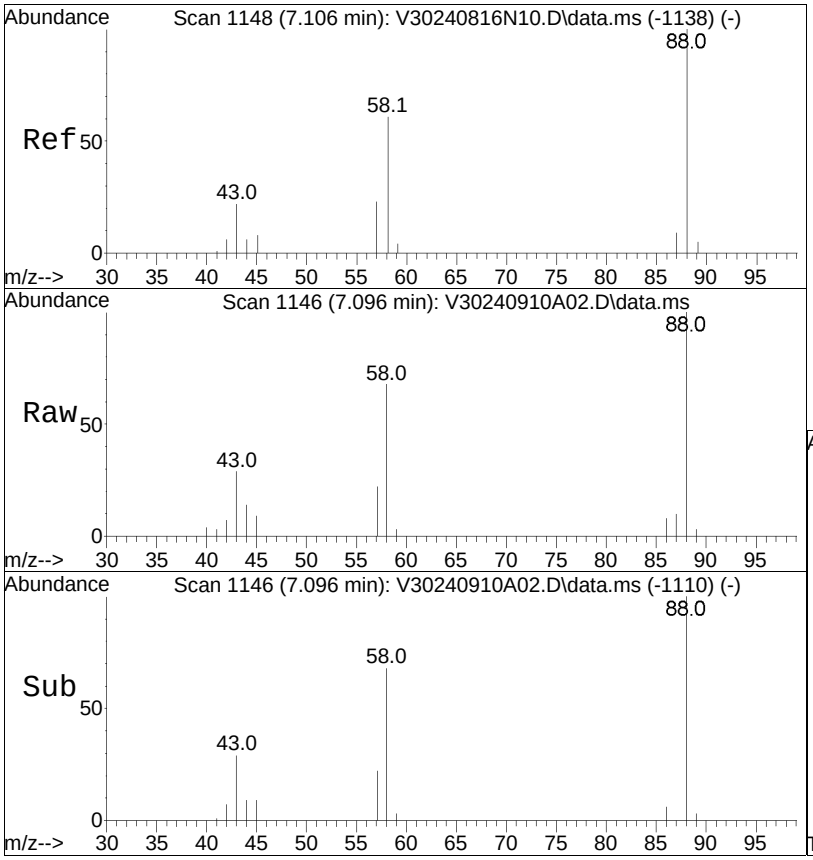


#58
Bromodichloromethane
Concen: 8.97 ug/L
RT: 6.891 min Scan# 1107
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 83 Resp: 55600

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.2
127	7.9	5.2	7.8#

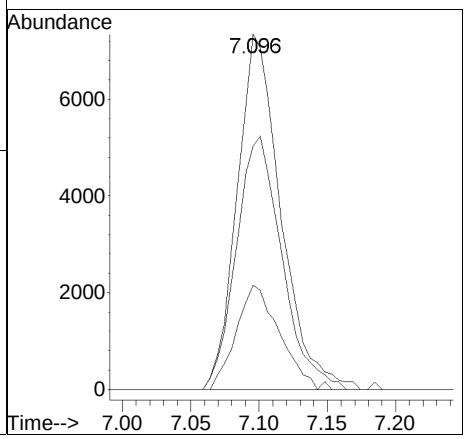


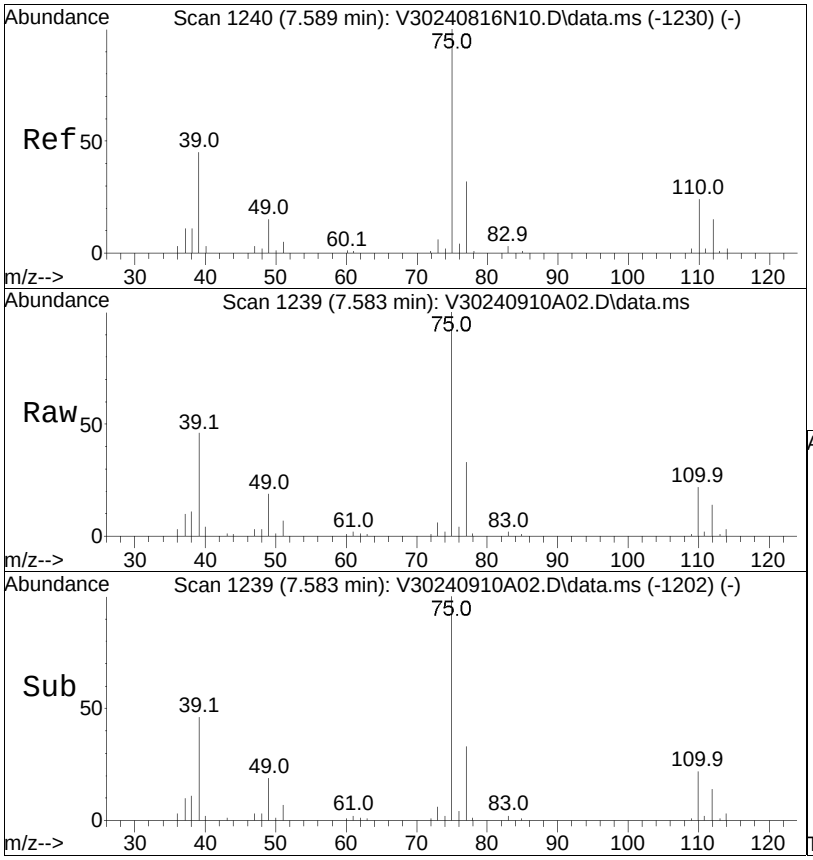


#61
1,4-Dioxane
Concen: 563.68 ug/L
RT: 7.096 min Scan# 1146
Delta R.T. -0.010 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 88 Resp: 16338

Ion	Ratio	Lower	Upper
88	100		
58	74.3	59.9	89.9
43	29.3	30.8	46.2#

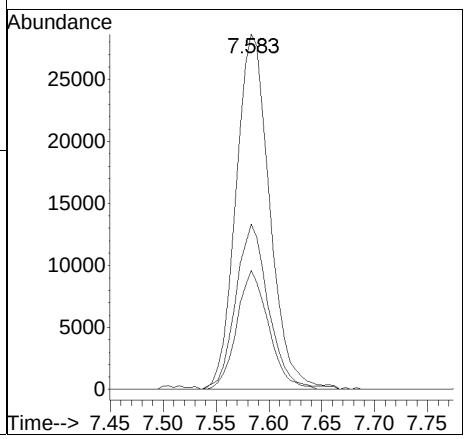


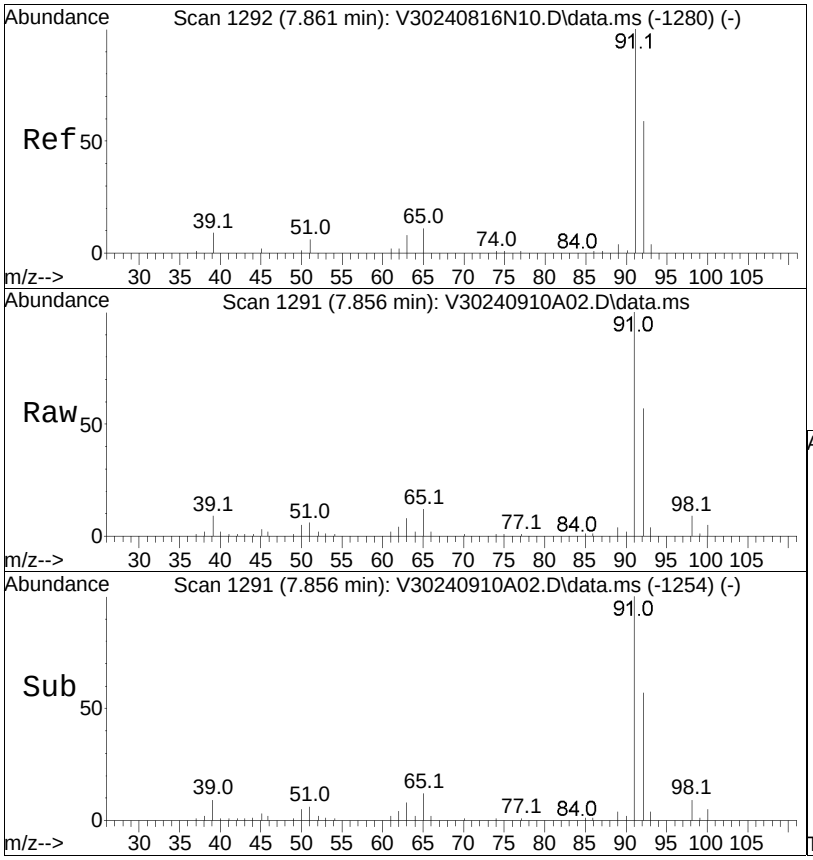


#62
cis-1,3-Dichloropropene
Concen: 9.07 ug/L
RT: 7.583 min Scan# 1239
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 75 Resp: 63546

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2
39	45.5	54.6	82.0#

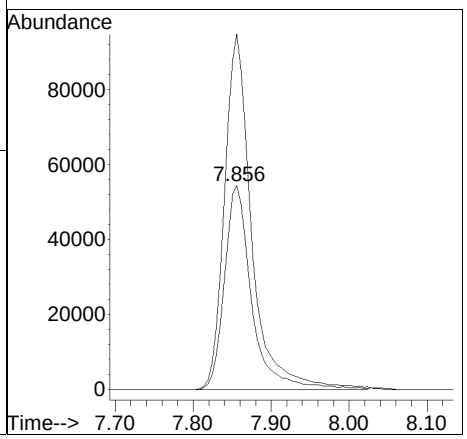


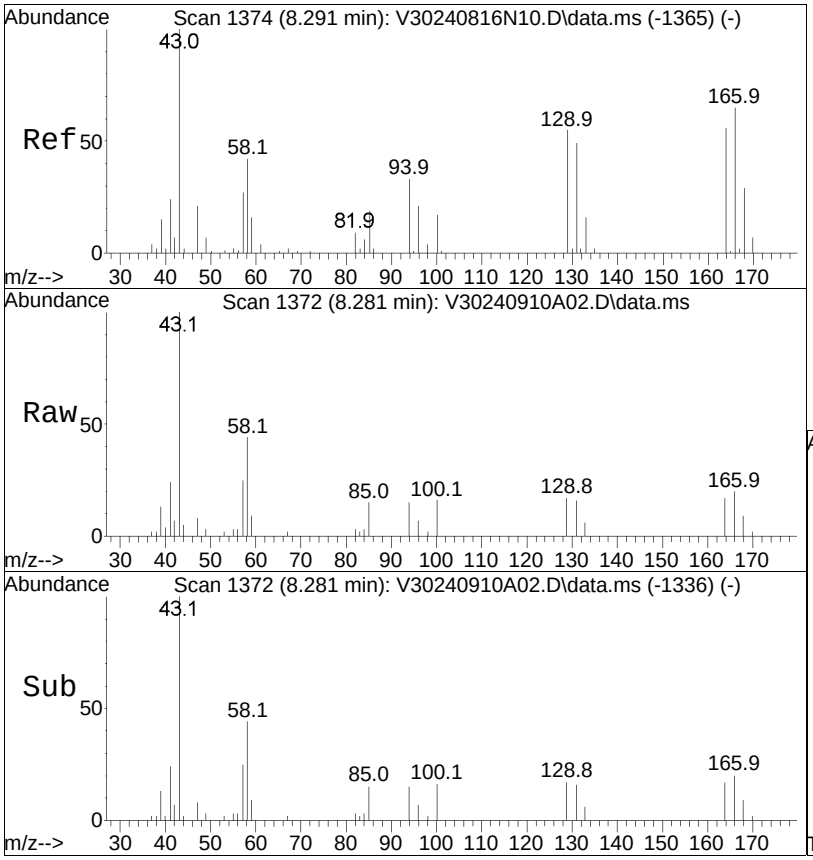


#65
Toluene
Concen: 10.24 ug/L
RT: 7.856 min Scan# 1291
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 92 Resp: 132051

Ion	Ratio	Lower	Upper
92	100		
91	173.7	137.5	206.3

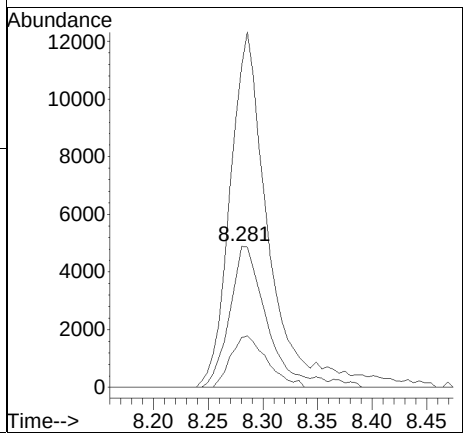


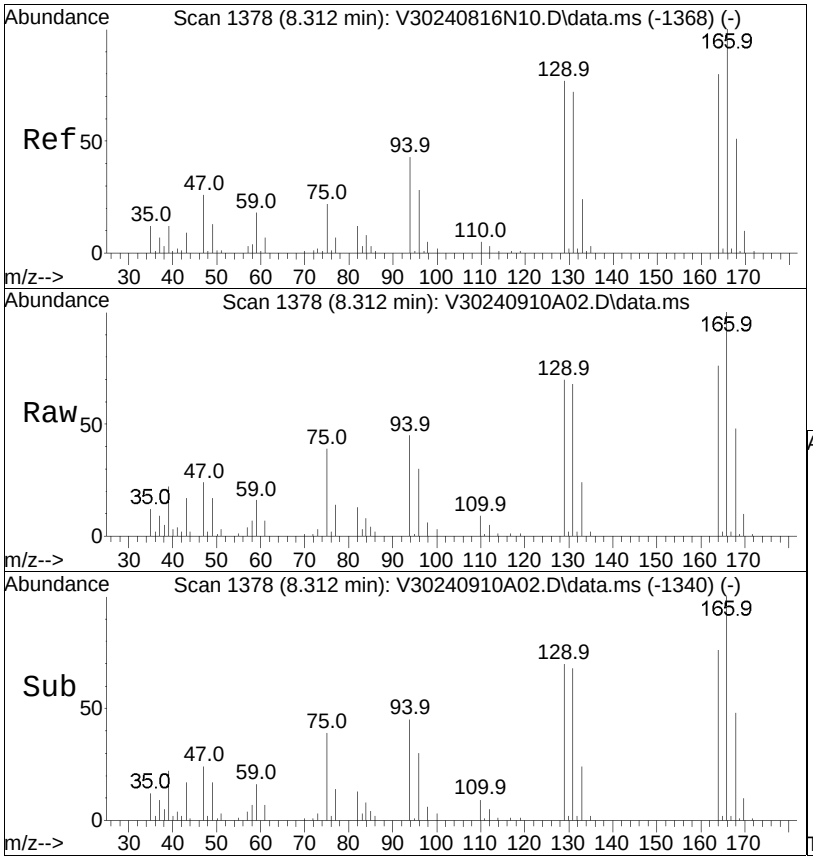


#66
4-Methyl-2-pentanone
Concen: 11.20 ug/L
RT: 8.281 min Scan# 1372
Delta R.T. -0.011 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 58 Resp: 11903

Ion	Ratio	Lower	Upper
58	100		
100	34.8	22.6	34.0#
43	236.9	234.6	351.8

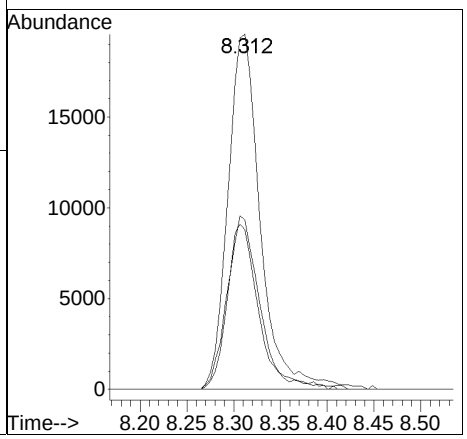


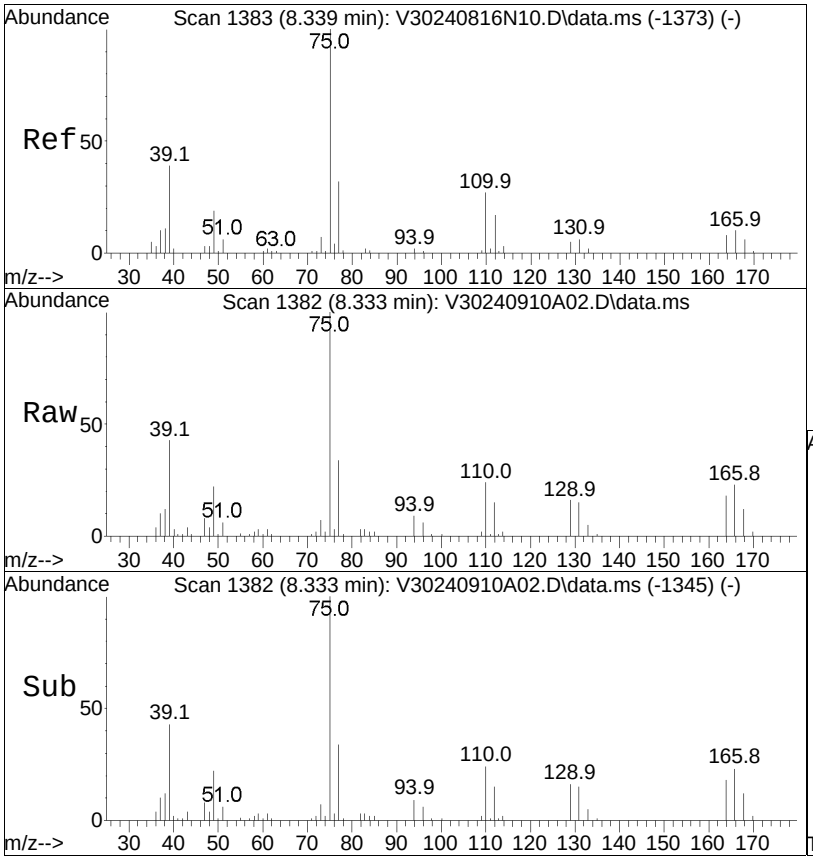


#67
Tetrachloroethene
Concen: 9.27 ug/L
RT: 8.312 min Scan# 1378
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:166 Resp: 47405

Ion	Ratio	Lower	Upper
166	100		
168	47.7	38.6	58.0
94	46.2	42.6	63.8

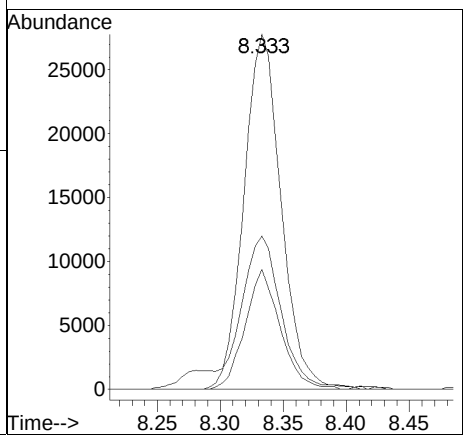


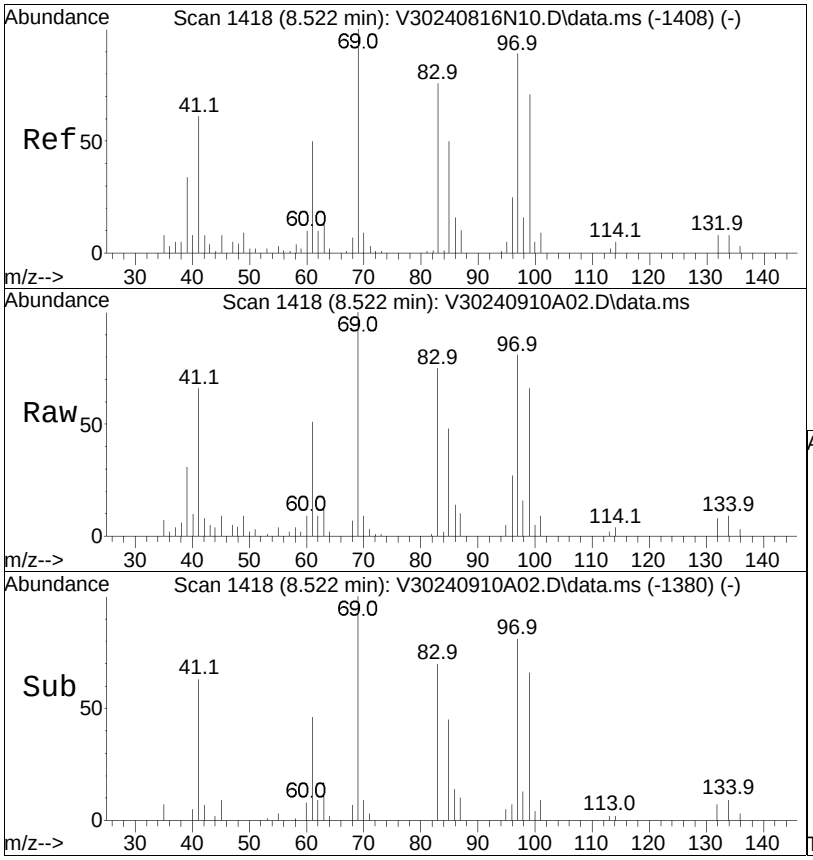


#69
trans-1,3-Dichloropropene
Concen: 10.08 ug/L
RT: 8.333 min Scan# 1382
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 75 Resp: 57223

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	44.4	60.2	90.4#

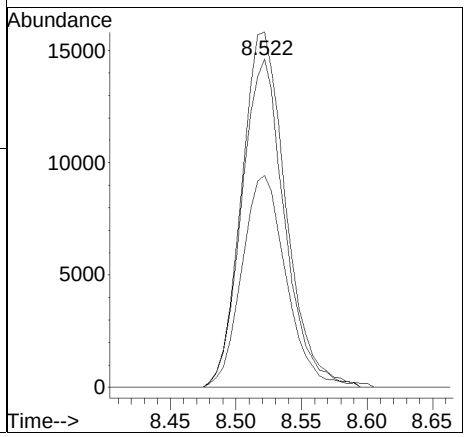


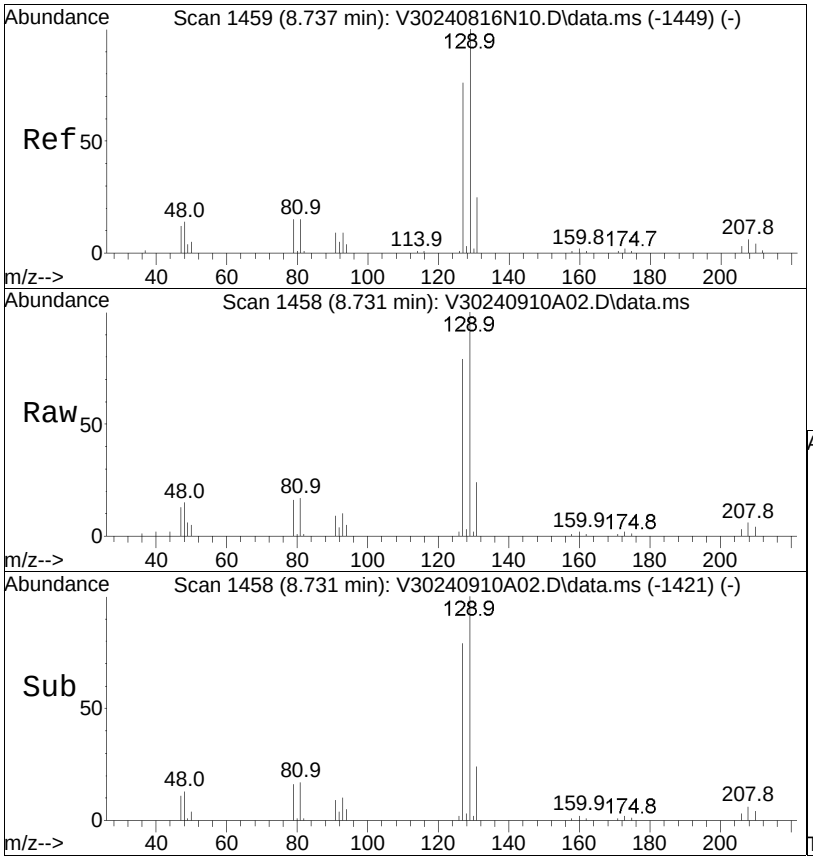


#72
1,1,2-Trichloroethane
Concen: 11.57 ug/L
RT: 8.522 min Scan# 1418
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 83 Resp: 33361

Ion	Ratio	Lower	Upper
83	100		
97	111.8	87.7	131.5
85	66.7	53.1	79.7

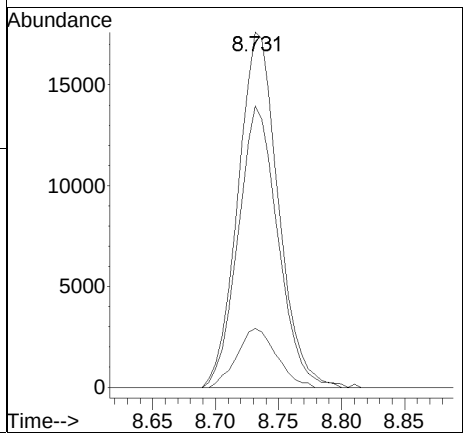


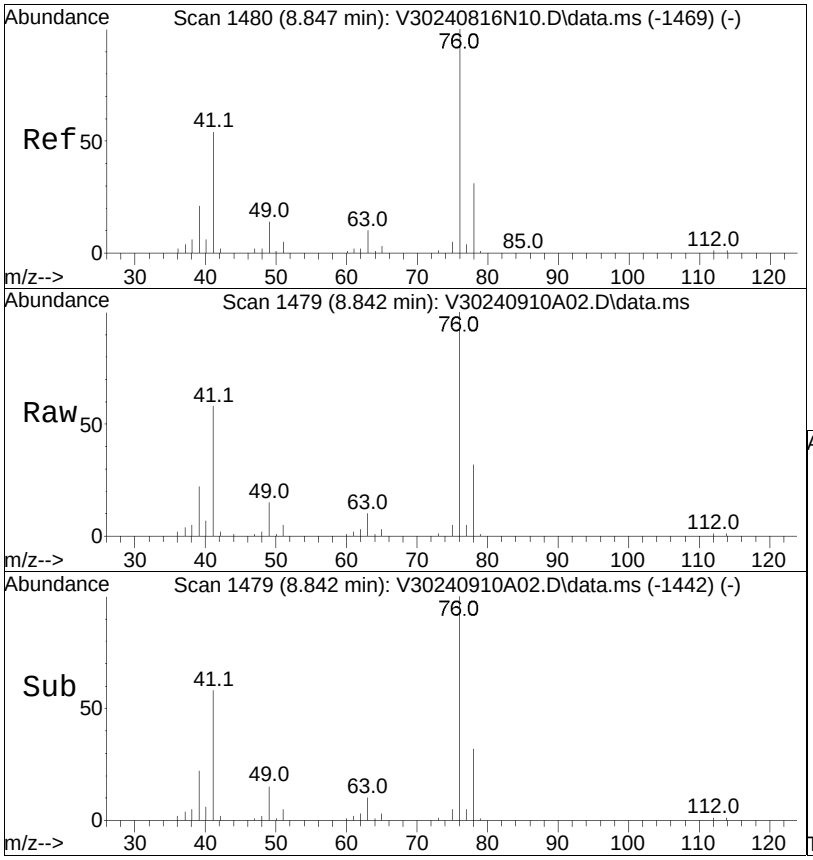


#73
Chlorodibromomethane
Concen: 9.87 ug/L
RT: 8.731 min Scan# 1458
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:129 Resp: 39090

Ion	Ratio	Lower	Upper
129	100		
81	16.3	14.6	22.0
127	78.2	62.6	93.8

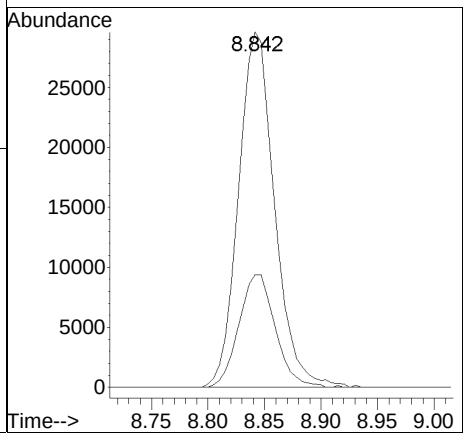


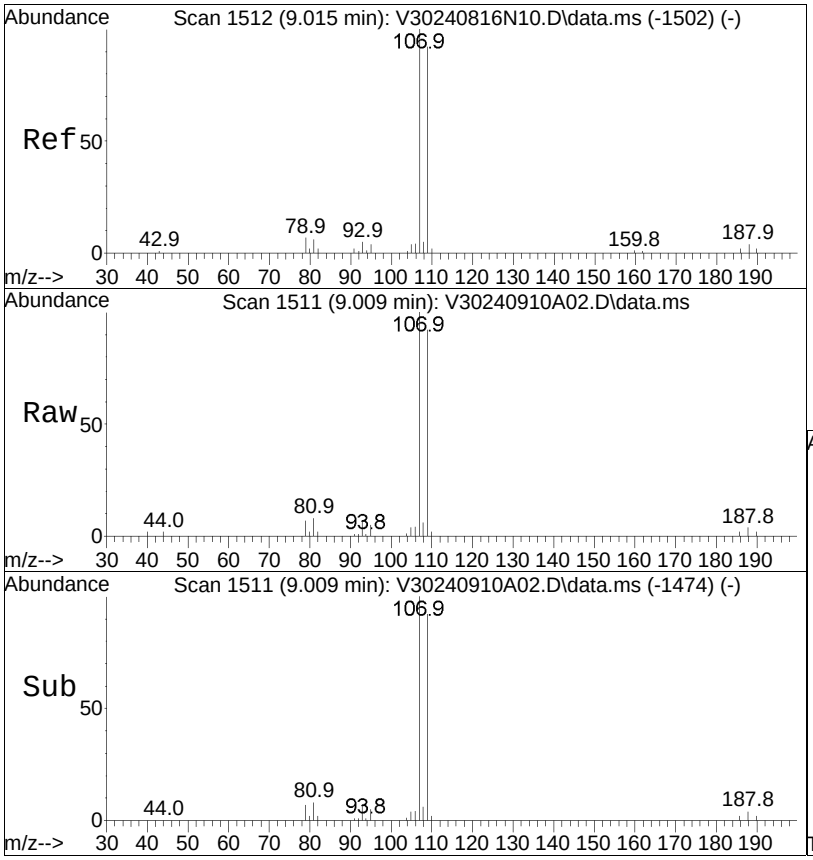


#74
1,3-Dichloropropane
Concen: 11.15 ug/L
RT: 8.842 min Scan# 1479
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 76 Resp: 65785

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

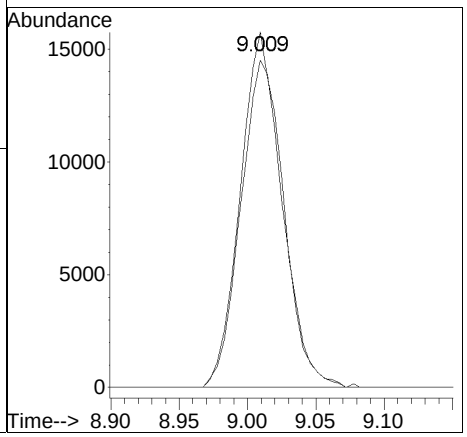


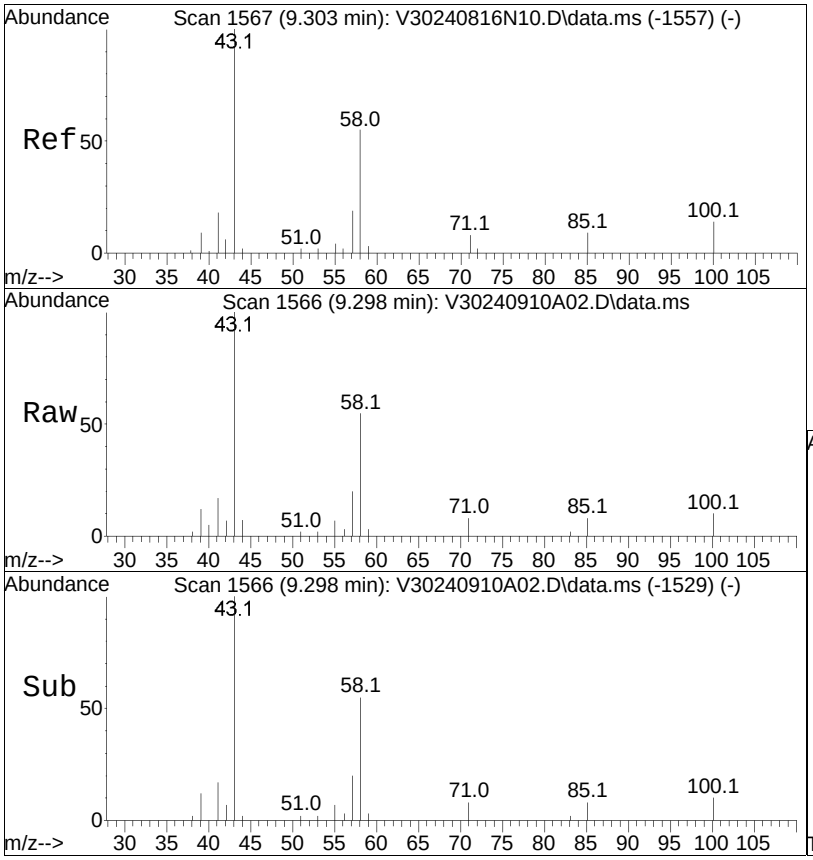


#75
1,2-Dibromoethane
Concen: 11.75 ug/L
RT: 9.009 min Scan# 1511
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:107 Resp: 33907

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.4

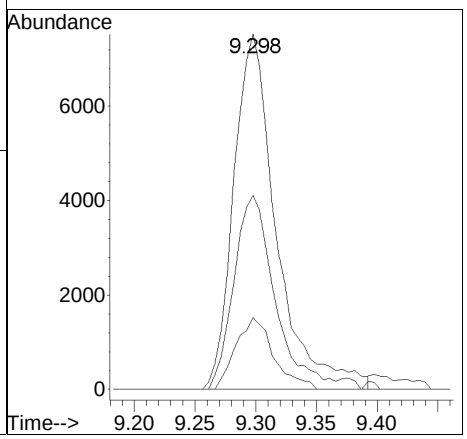


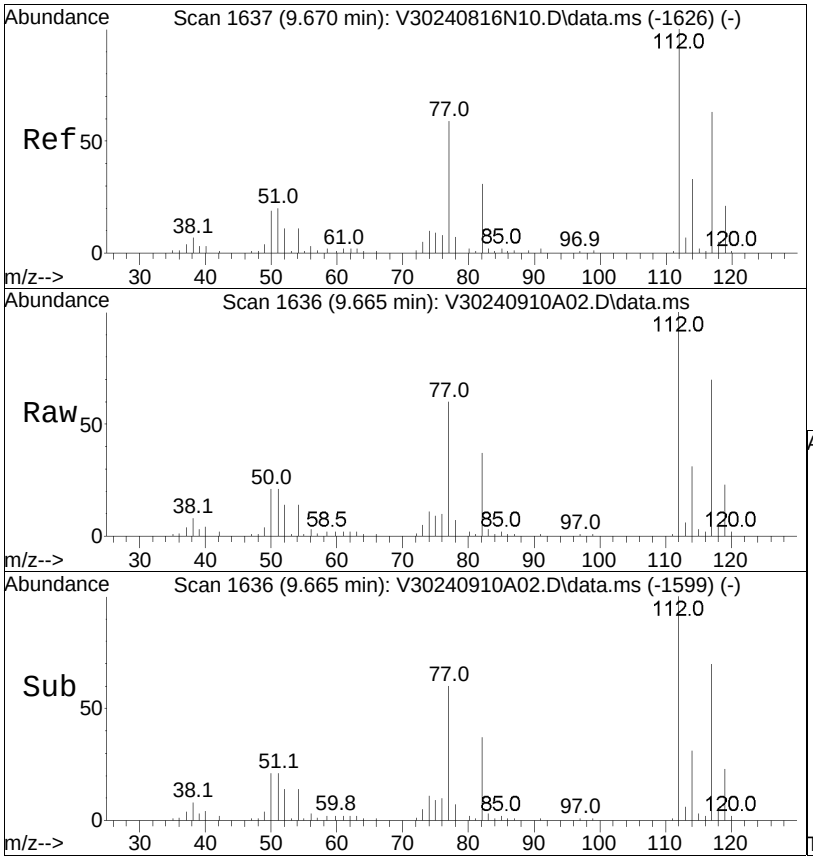


#77
2-Hexanone
Concen: 10.67 ug/L
RT: 9.298 min Scan# 1566
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 43 Resp: 18438

Ion	Ratio	Lower	Upper
43	100		
58	52.5	38.6	58.0
57	18.0	14.1	21.1

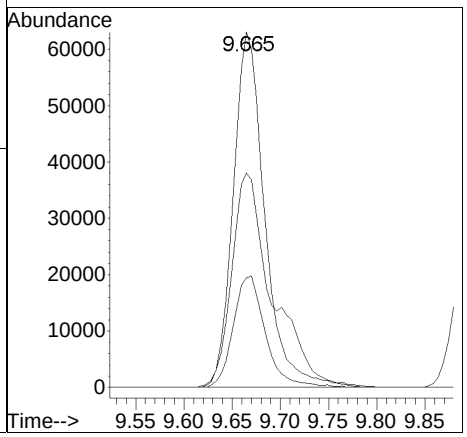


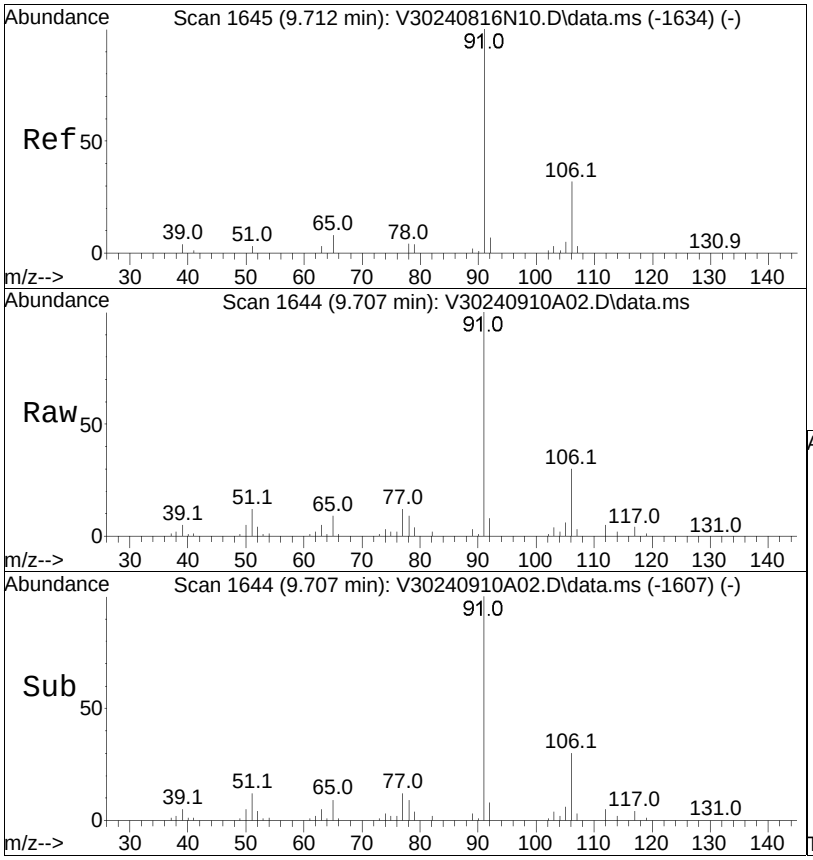


#78
Chlorobenzene
Concen: 10.02 ug/L
RT: 9.665 min Scan# 1636
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:112 Resp: 143346

Ion	Ratio	Lower	Upper
112	100		
77	77.9	54.8	82.2
114	32.1	25.4	38.0

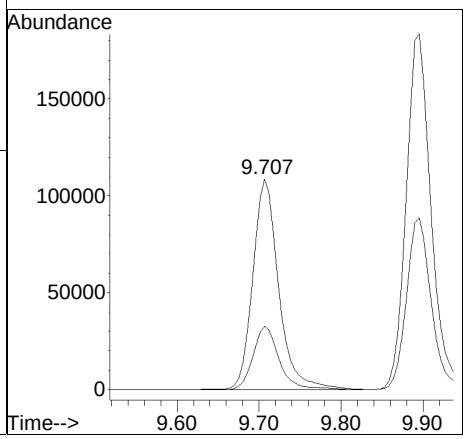


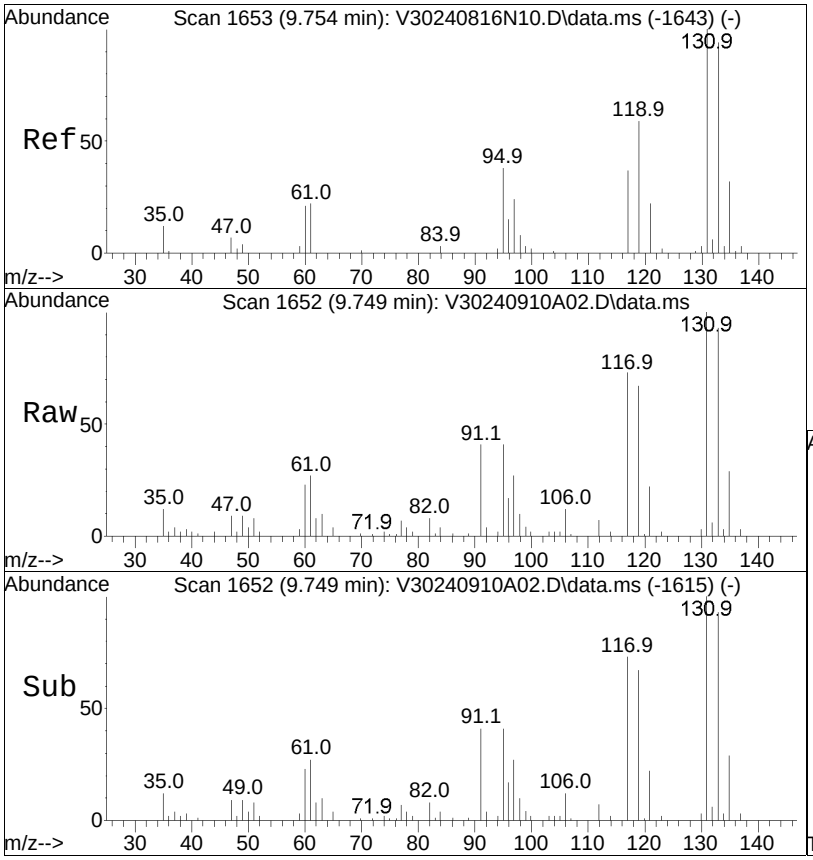


#79
Ethylbenzene
Concen: 9.83 ug/L
RT: 9.707 min Scan# 1644
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 91 Resp: 237990

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.2

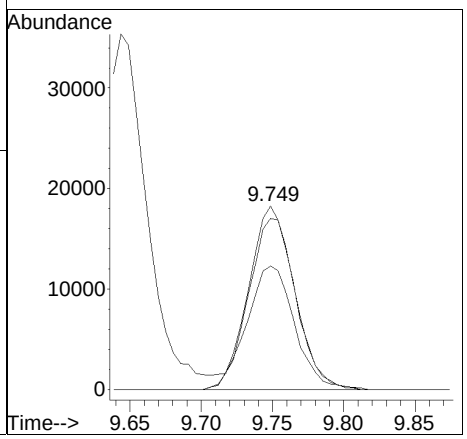


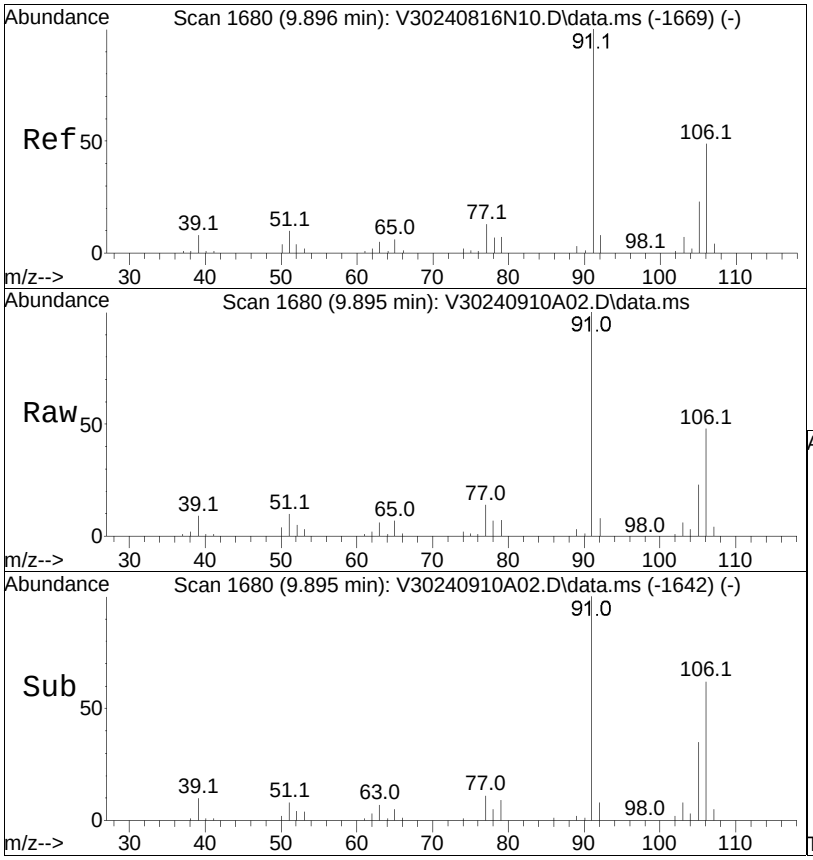


#80
1,1,1,2-Tetrachloroethane
Concen: 9.96 ug/L
RT: 9.749 min Scan# 1652
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:131 Resp: 40861

Ion	Ratio	Lower	Upper
131	100		
133	96.2	76.0	114.0
119	70.4	54.7	82.1

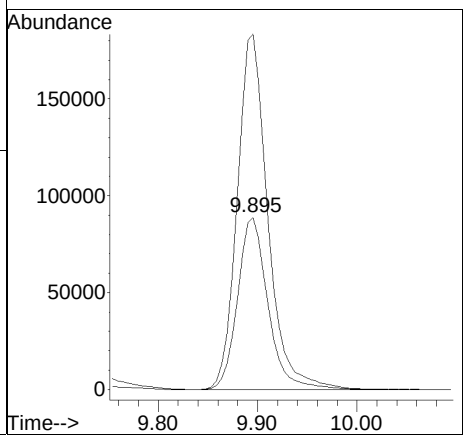


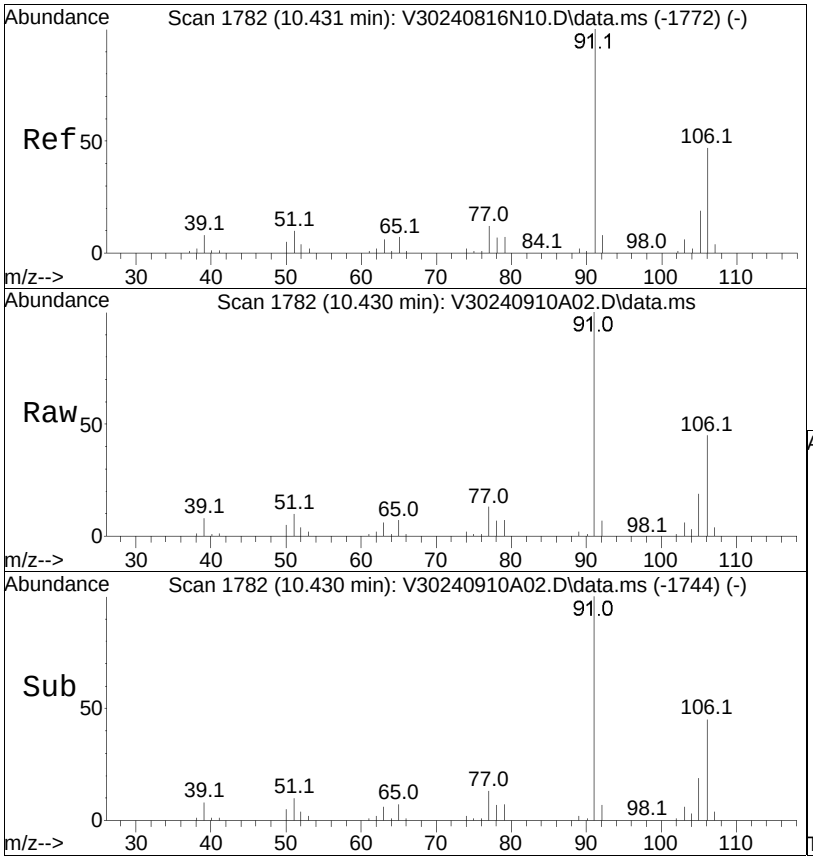


#81
p/m Xylene
Concen: 19.52 ug/L
RT: 9.895 min Scan# 1680
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:106 Resp: 188544

Ion	Ratio	Lower	Upper
106	100		
91	207.8	171.4	257.2

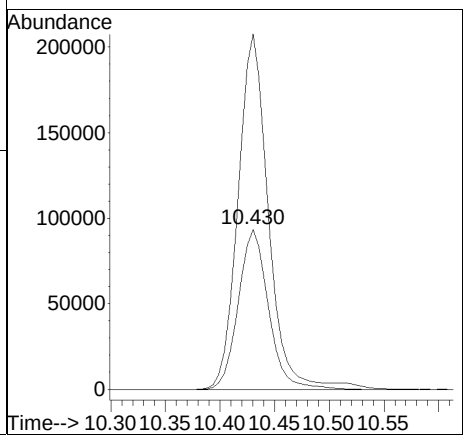


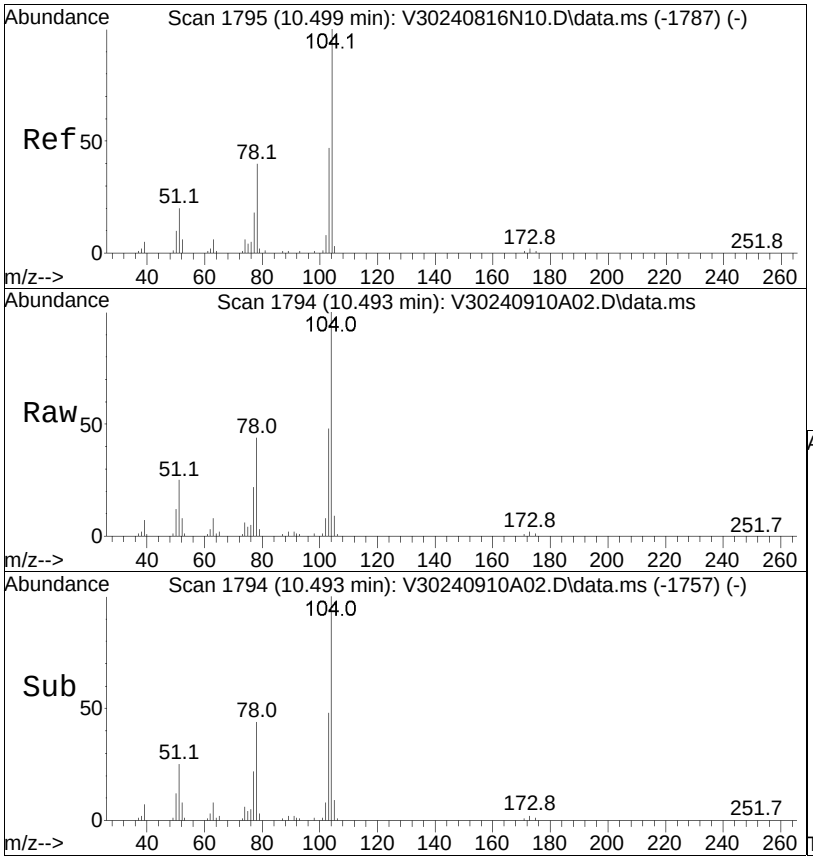


#82
o Xylene
Concen: 19.32 ug/L
RT: 10.430 min Scan# 1782
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:106 Resp: 179810

Ion	Ratio	Lower	Upper
106	100		
91	220.0	179.2	268.8

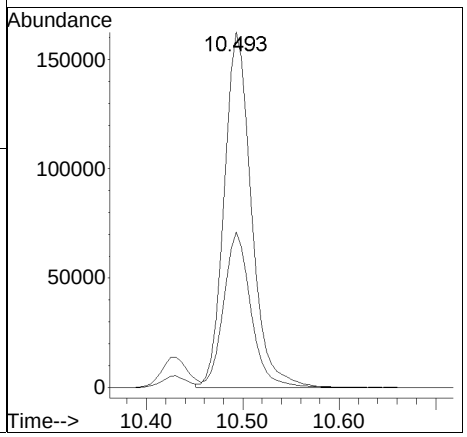


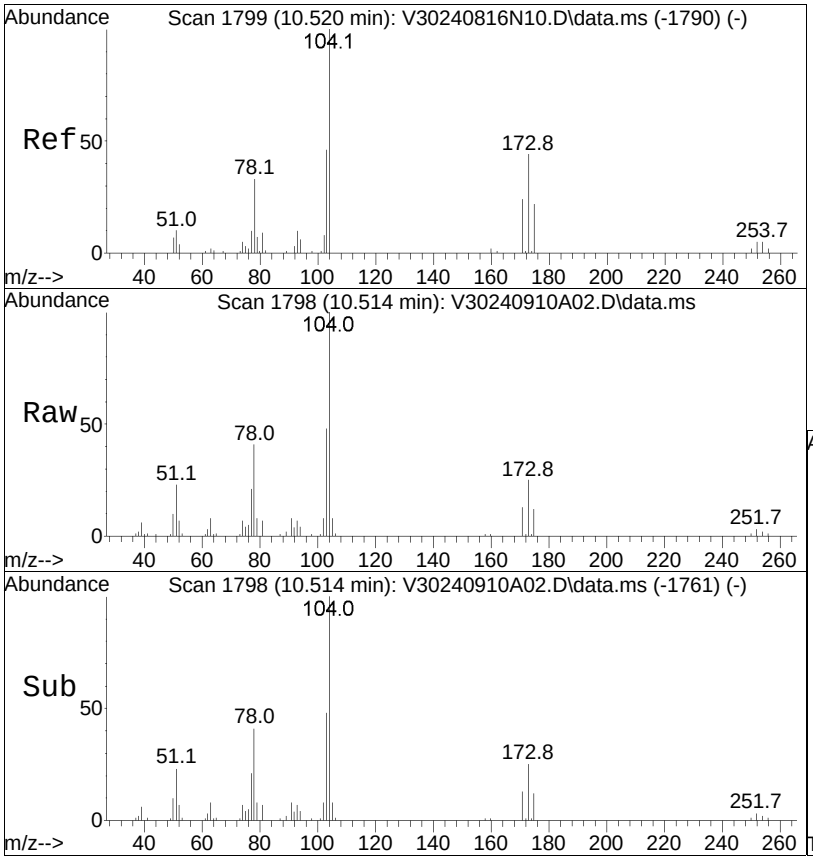


#83
Styrene
Concen: 20.85 ug/L
RT: 10.493 min Scan# 1794
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:104 Resp: 319864

Ion	Ratio	Lower	Upper
104	100		
78	43.7	38.1	57.1

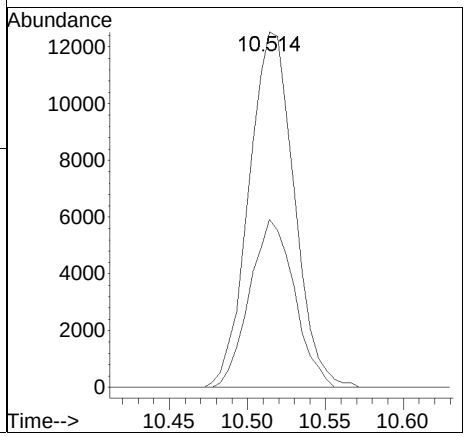


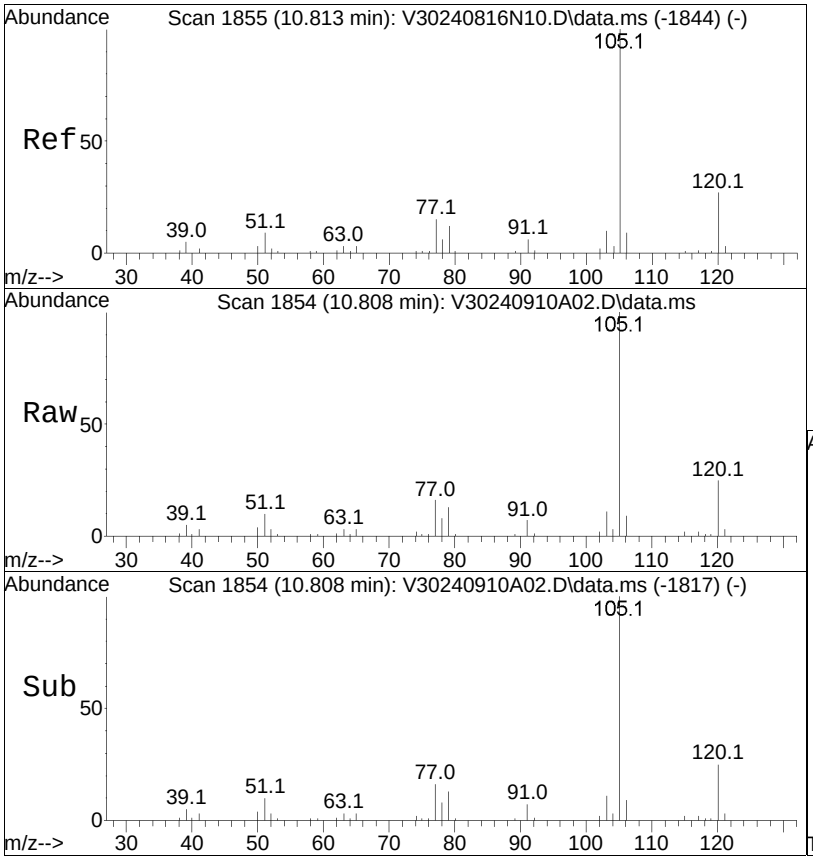


#85
Bromoform
Concen: 10.55 ug/L
RT: 10.514 min Scan# 1798
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:173 Resp: 25272

Ion	Ratio	Lower	Upper
173	100		
175	46.7	37.8	56.6

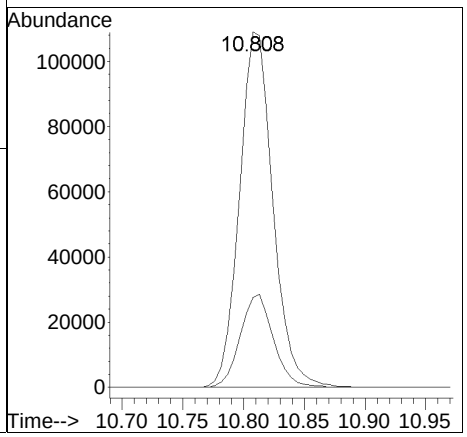


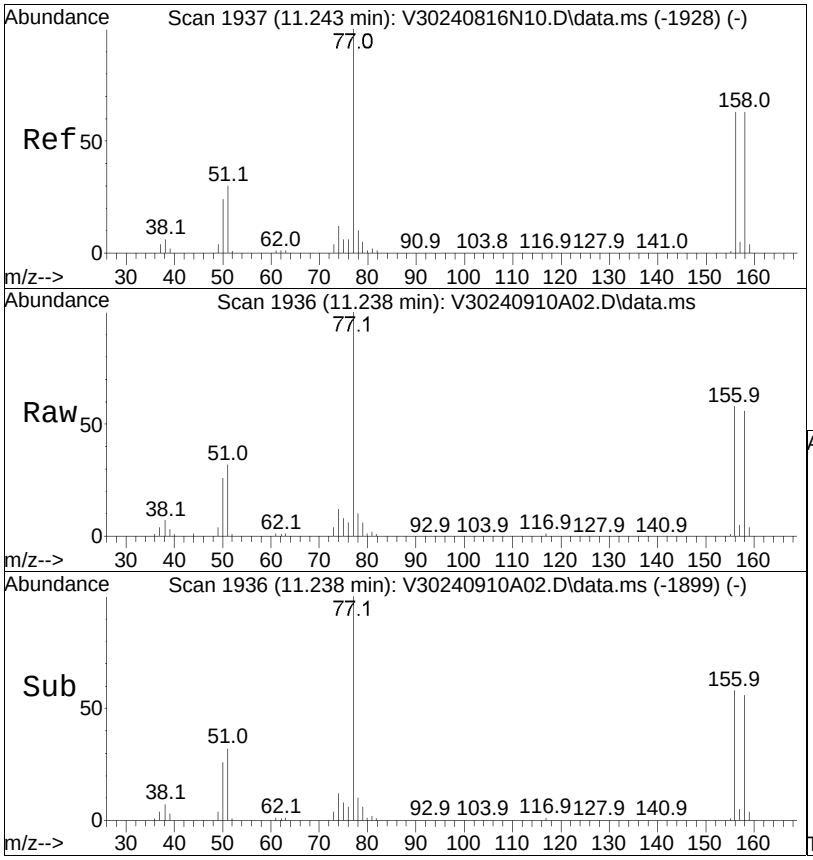


#87
Isopropylbenzene
Concen: 8.96 ug/L
RT: 10.808 min Scan# 1854
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:105 Resp: 208816

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.0	30.0

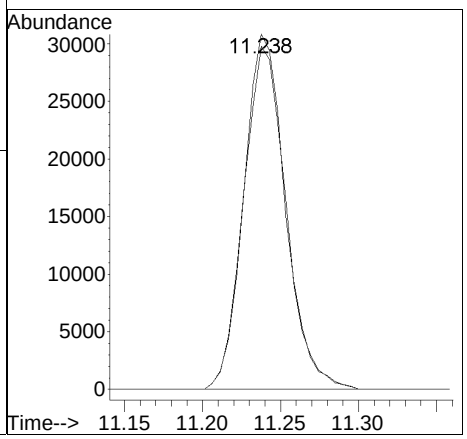


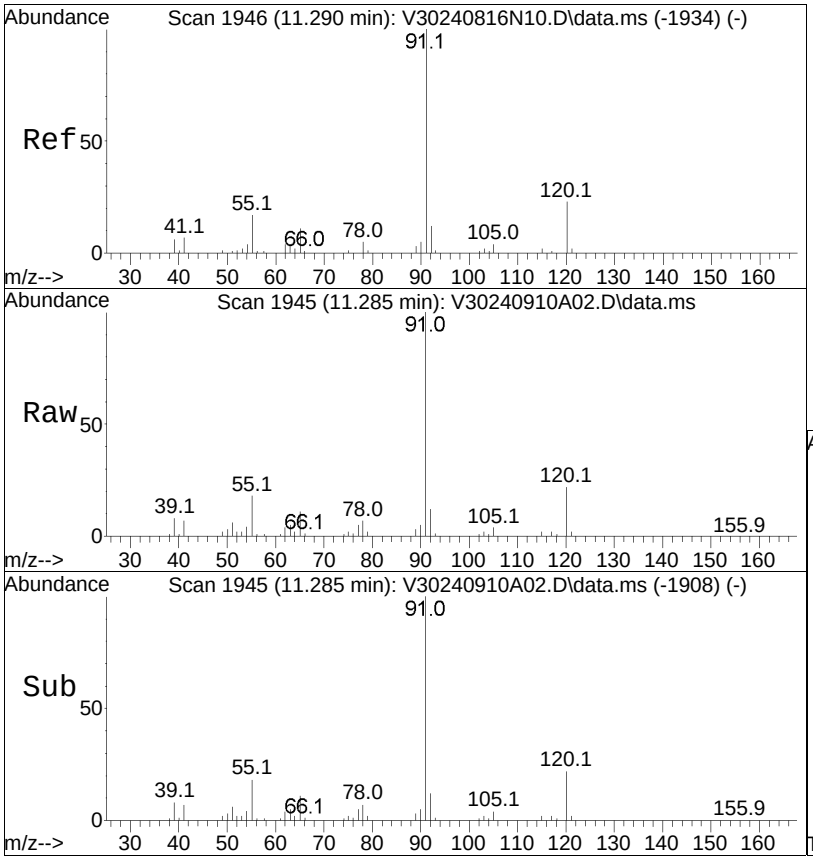


#89
Bromobenzene
Concen: 9.43 ug/L
RT: 11.238 min Scan# 1936
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:156 Resp: 57497

Ion	Ratio	Lower	Upper
156	100		
158	97.6	78.3	117.5

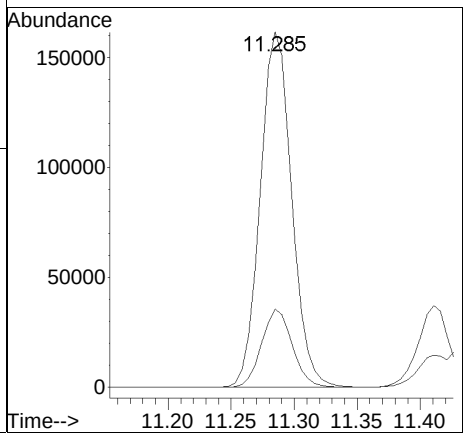


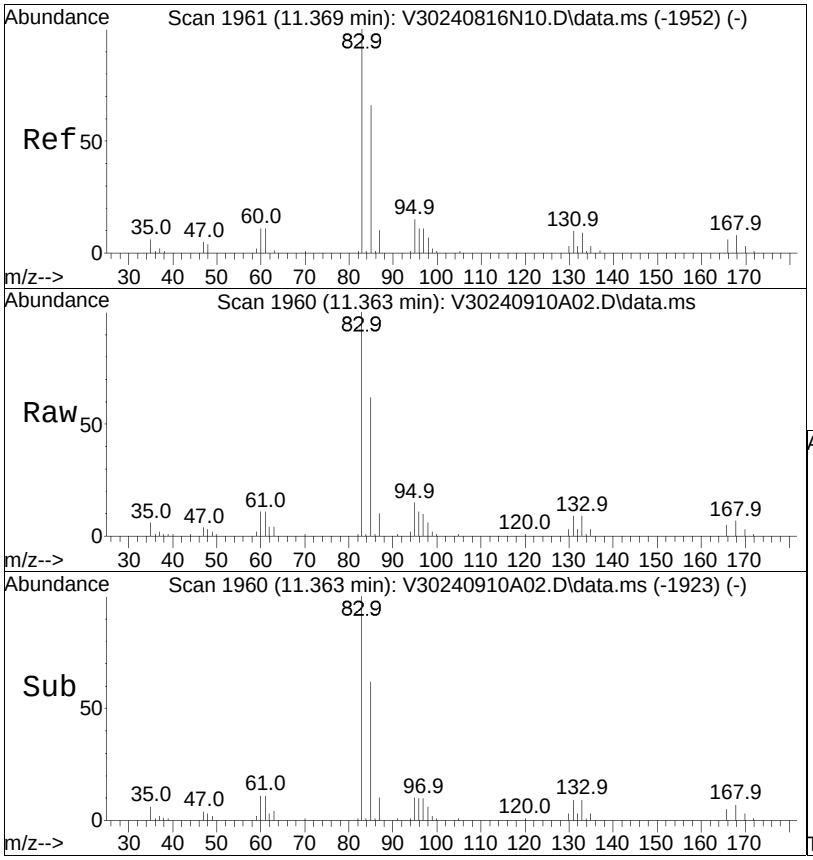


#90
n-Propylbenzene
Concen: 10.01 ug/L
RT: 11.285 min Scan# 1945
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 91 Resp: 280643

Ion	Ratio	Lower	Upper
91	100		
120	21.5	16.3	24.5

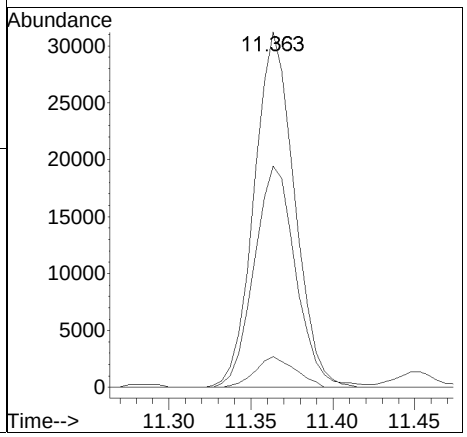


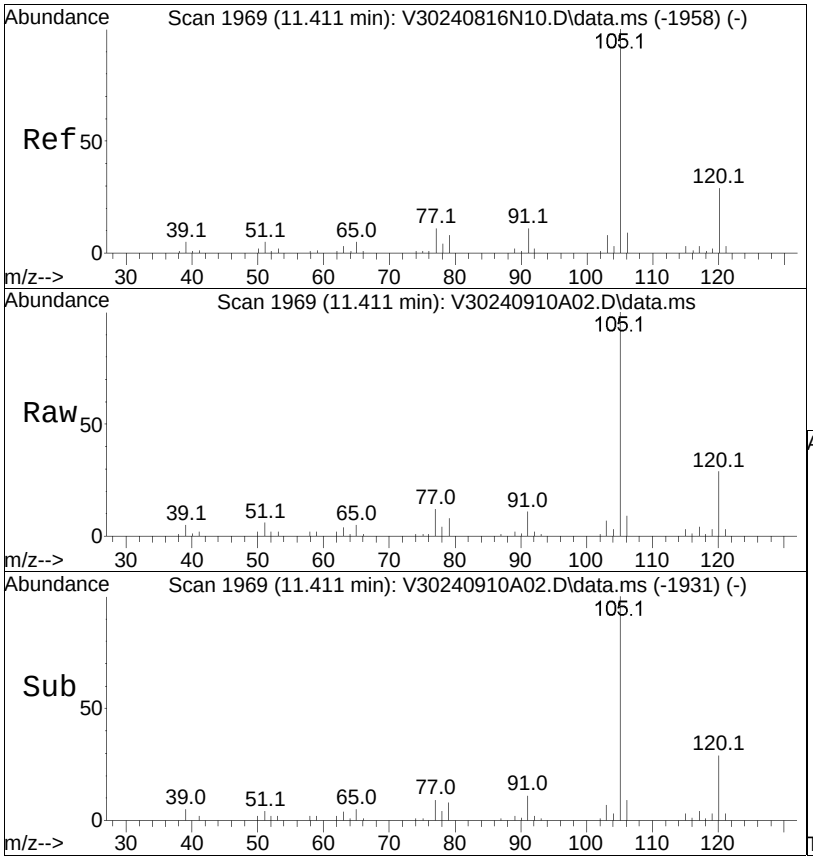


#92
1,1,2,2-Tetrachloroethane
Concen: 12.76 ug/L
RT: 11.363 min Scan# 1960
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 83 Resp: 53255

Ion	Ratio	Lower	Upper
83	100		
131	8.7	6.6	10.0
85	64.6	51.8	77.6

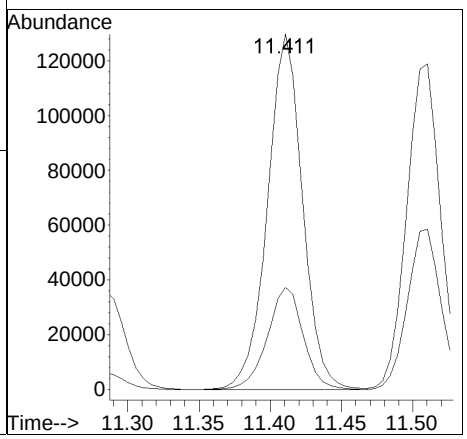


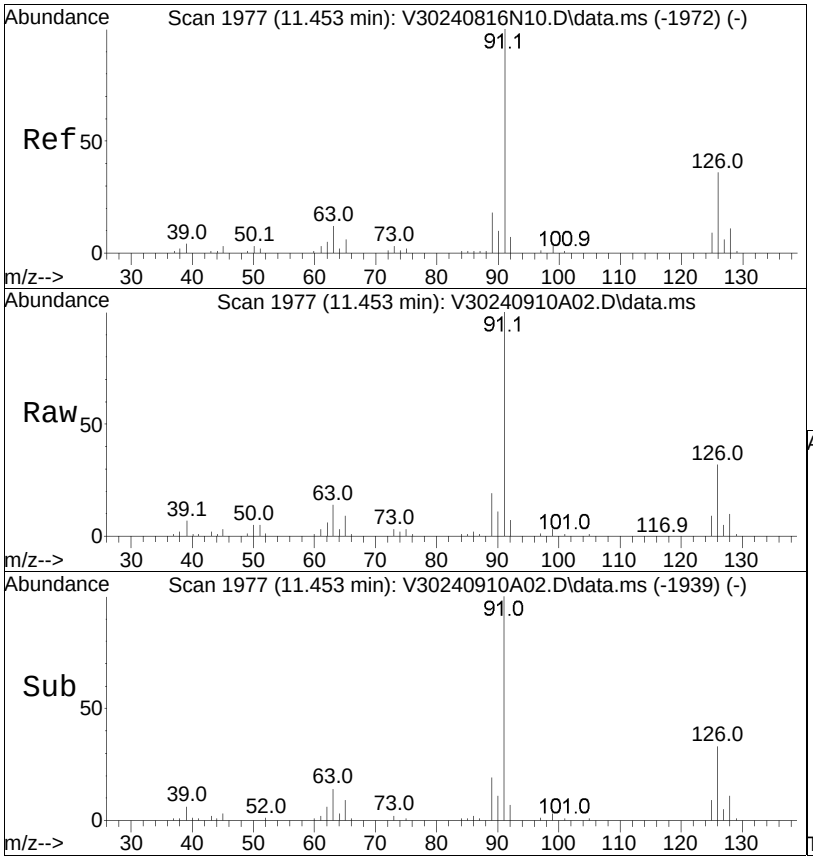


#93
4-Ethyltoluene
Concen: 9.41 ug/L
RT: 11.411 min Scan# 1969
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:105 Resp: 221681

Ion	Ratio	Lower	Upper
105	100		
120	29.3	18.5	38.3

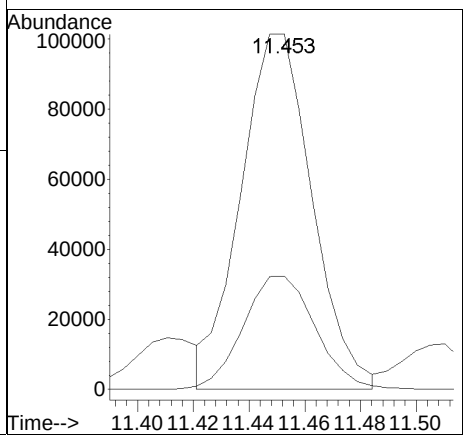


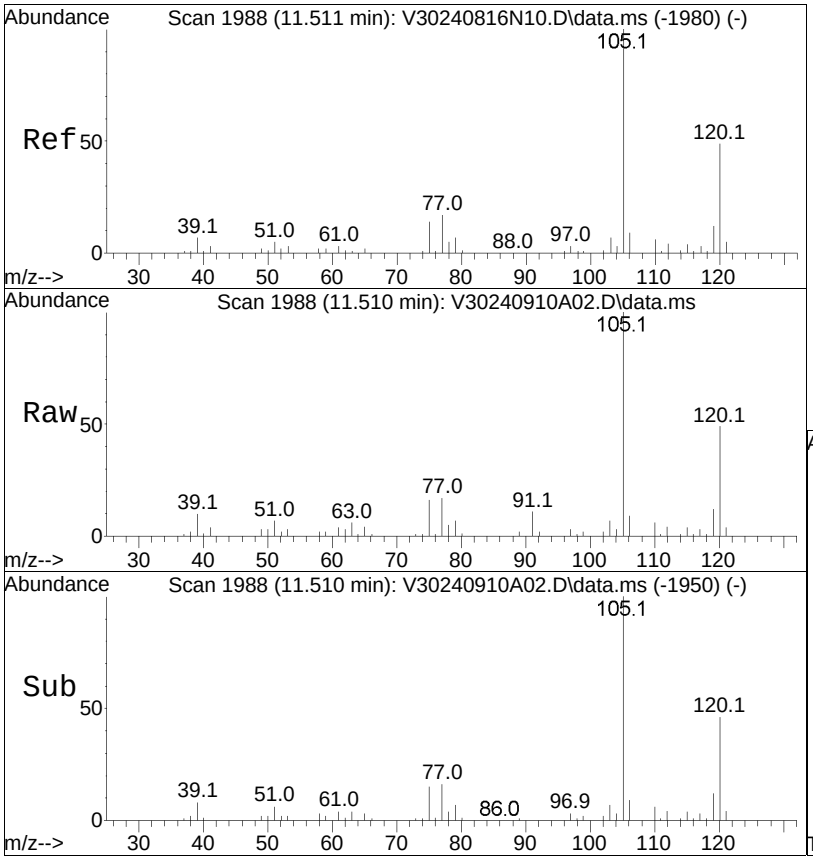


#94
2-Chlorotoluene
Concen: 10.39 ug/L M4
RT: 11.453 min Scan# 1977
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 91 Resp: 180932

Ion	Ratio	Lower	Upper
91	100		
126	32.3	20.6	31.0#

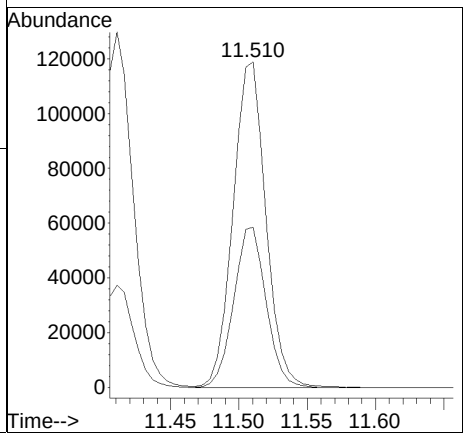


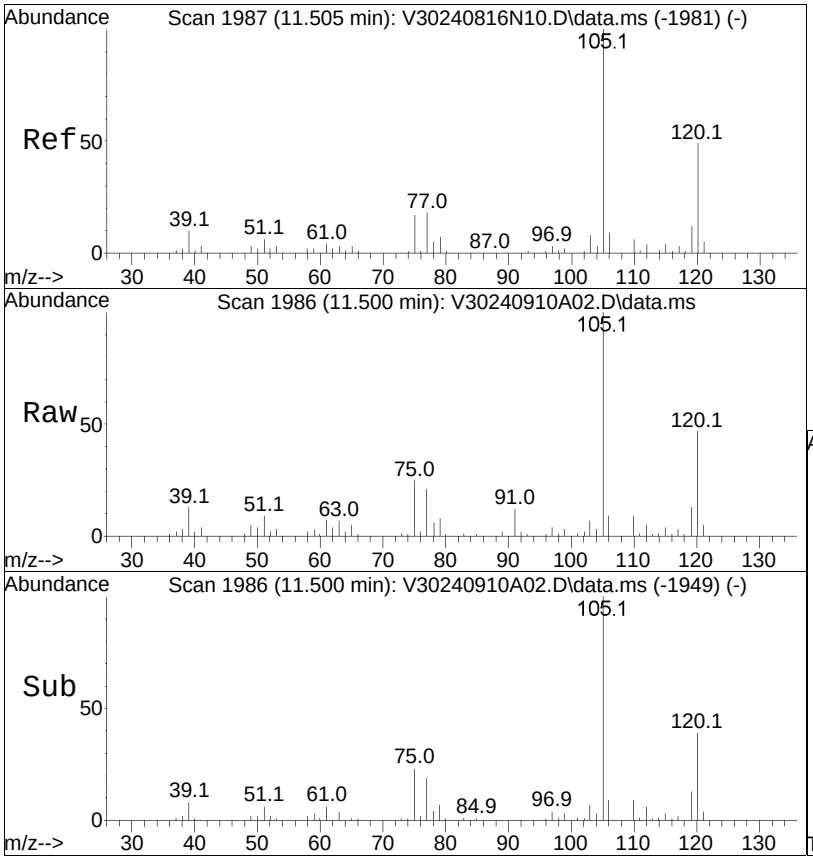


#95
1,3,5-Trimethylbenzene
Concen: 9.49 ug/L
RT: 11.510 min Scan# 1988
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:105 Resp: 198241

Ion	Ratio	Lower	Upper
105	100		
120	48.5	37.8	56.6

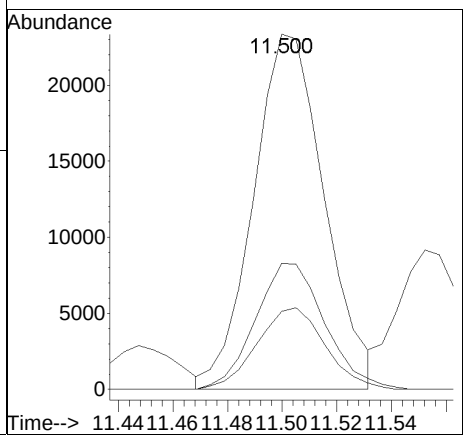


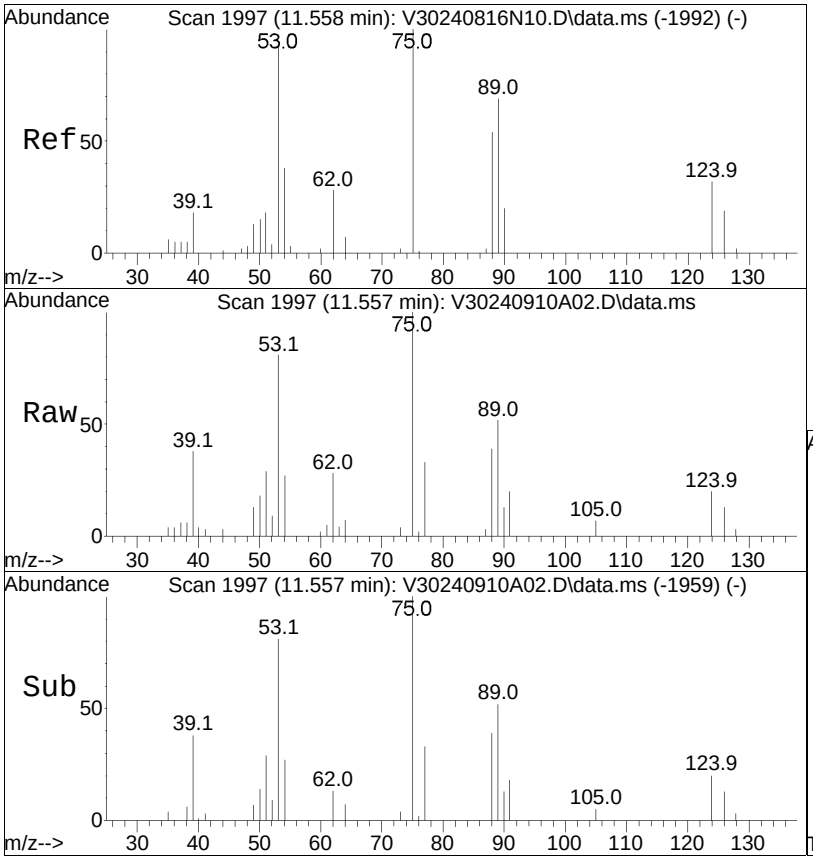


#96
1,2,3-Trichloropropane
Concen: 12.50 ug/L
RT: 11.500 min Scan# 1986
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 75 Resp: 42066

Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	38.2
112	22.2	12.0	25.0

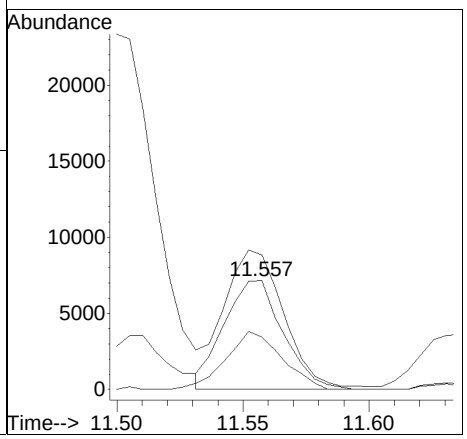


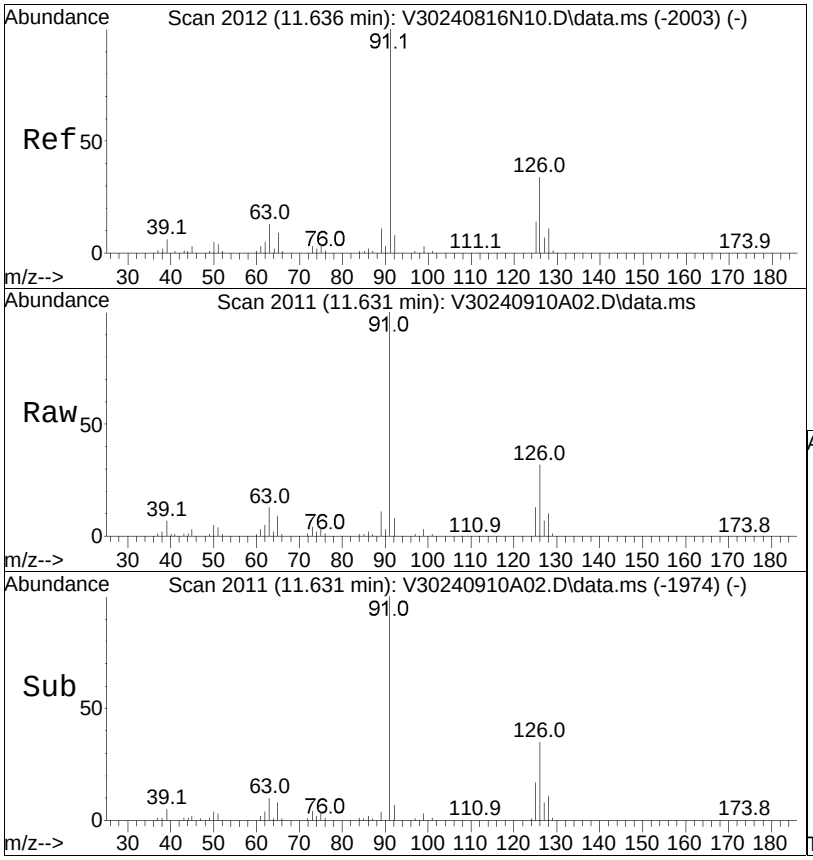


#97
trans-1,4-Dichloro-2-butene
Concen: 11.76 ug/L
RT: 11.557 min Scan# 1997
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 53 Resp: 11628

Ion	Ratio	Lower	Upper
53	100		
88	50.6	33.5	50.3#
75	131.7	94.6	141.8

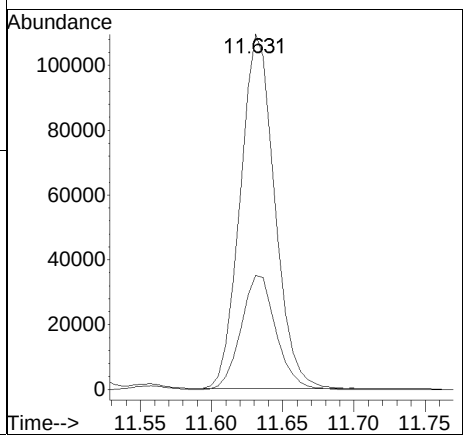


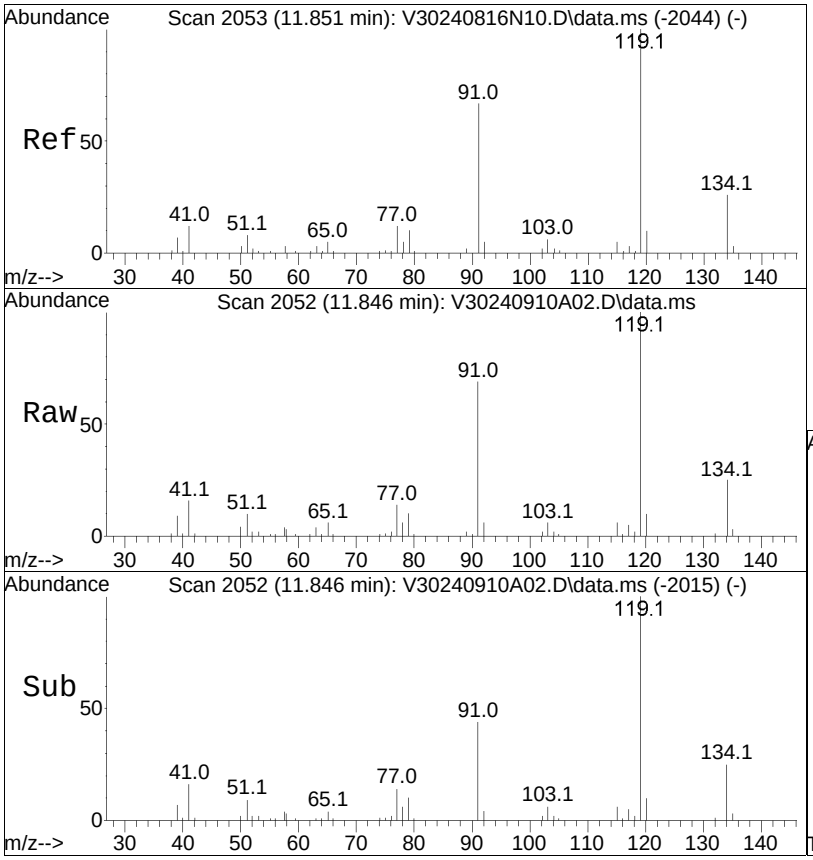


#98
4-Chlorotoluene
Concen: 10.06 ug/L
RT: 11.631 min Scan# 2011
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 91 Resp: 183766

Ion	Ratio	Lower	Upper
91	100		
126	32.5	23.8	35.8

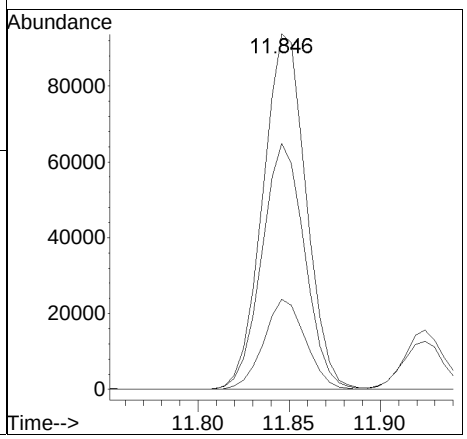


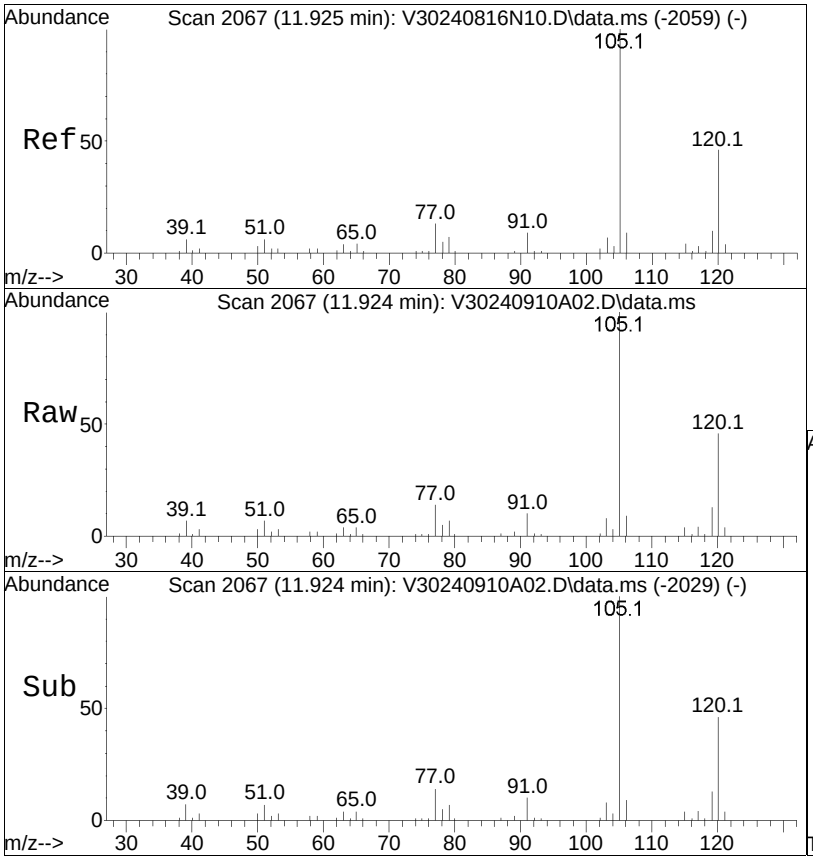


#99
tert-Butylbenzene
Concen: 9.07 ug/L
RT: 11.846 min Scan# 2052
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:119 Resp: 154852

Ion	Ratio	Lower	Upper
119	100		
91	68.8	58.8	88.2
134	24.5	18.6	27.8

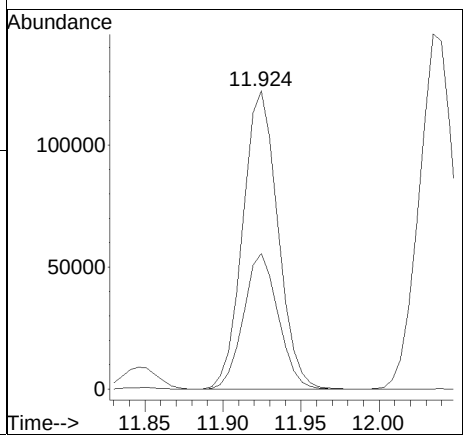


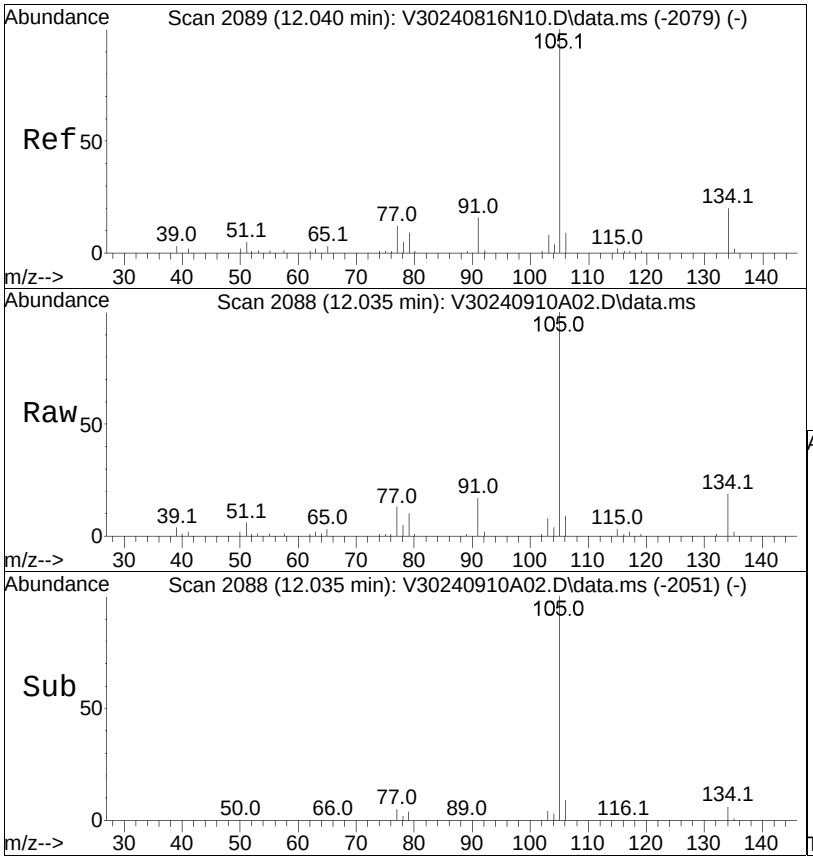


#102
1,2,4-Trimethylbenzene
Concen: 9.52 ug/L
RT: 11.924 min Scan# 2067
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:105 Resp: 192164

Ion	Ratio	Lower	Upper
105	100		
120	44.9	35.2	52.8

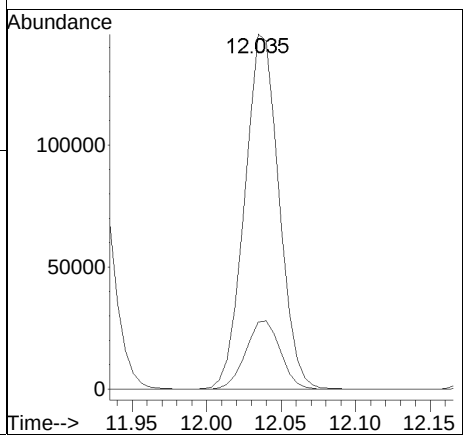


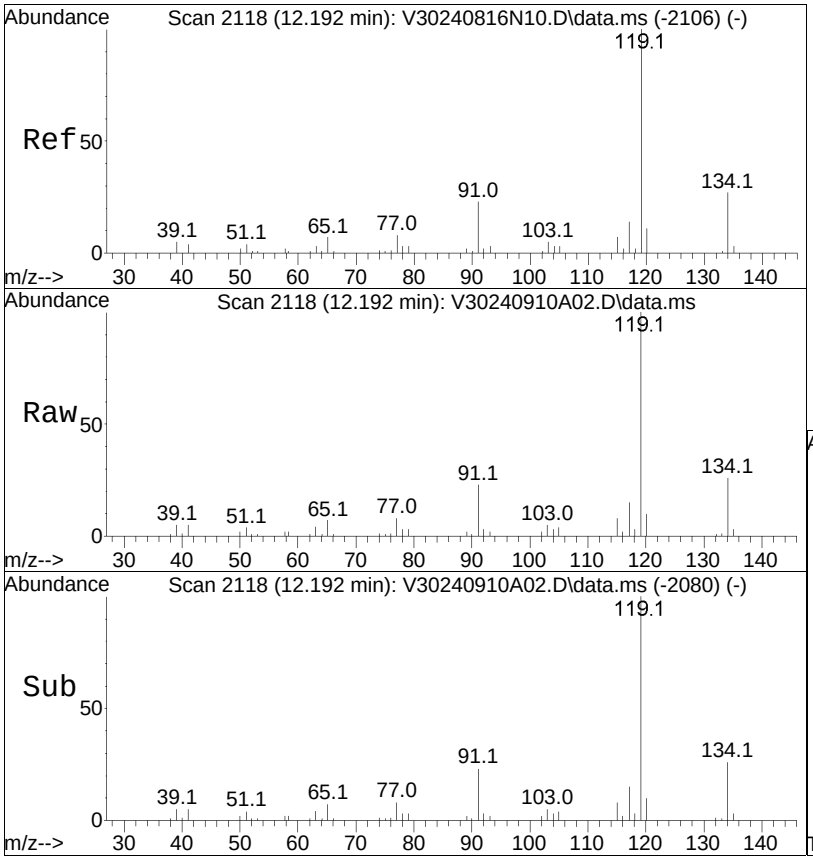


#103
sec-Butylbenzene
Concen: 9.53 ug/L
RT: 12.035 min Scan# 2088
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:105 Resp: 233607

Ion	Ratio	Lower	Upper
105	100		
134	19.5	11.4	23.6

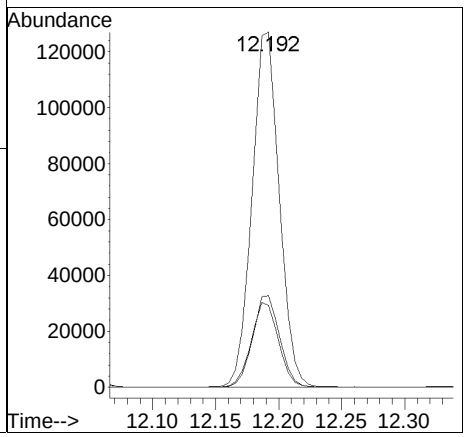


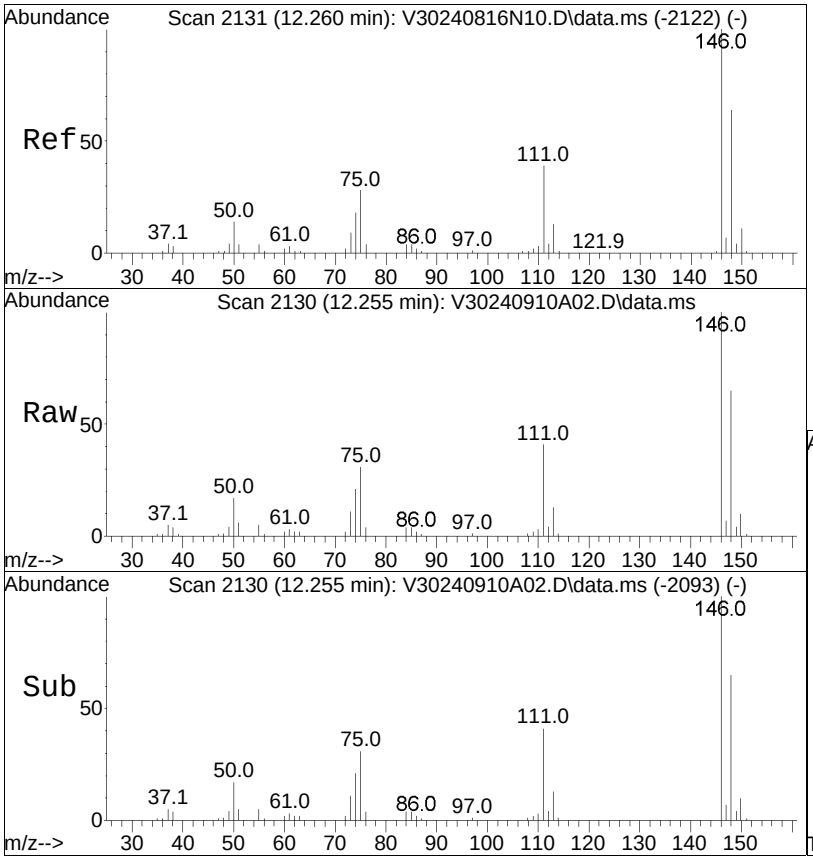


#104
p-Isopropyltoluene
Concen: 8.97 ug/L
RT: 12.192 min Scan# 2118
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:119 Resp: 191743

Ion	Ratio	Lower	Upper
119	100		
134	25.6	15.9	33.1
91	24.0	16.6	34.4

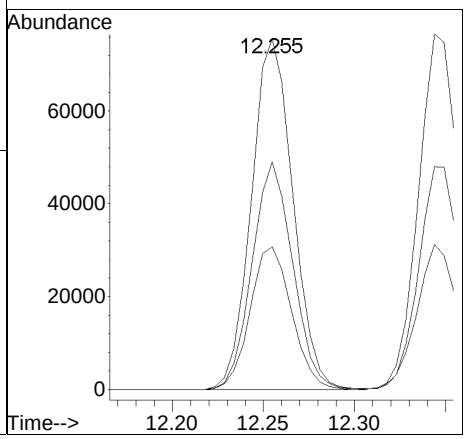


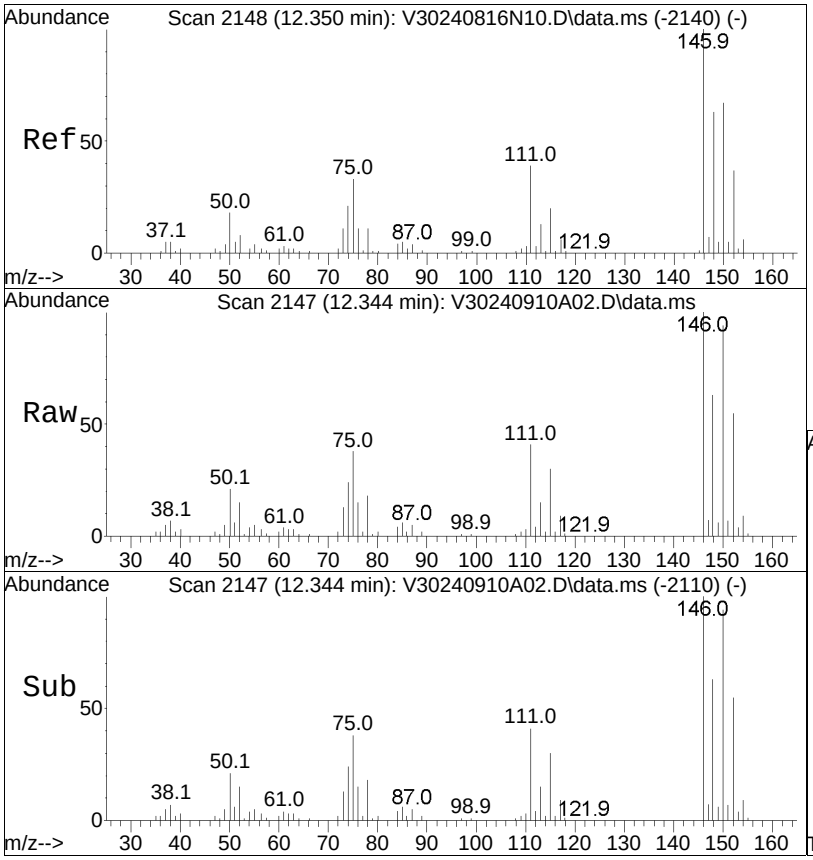


#105
1,3-Dichlorobenzene
Concen: 9.99 ug/L
RT: 12.255 min Scan# 2130
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:146 Resp: 119676

Ion	Ratio	Lower	Upper
146	100		
111	40.7	28.0	58.1
148	63.6	40.8	84.6

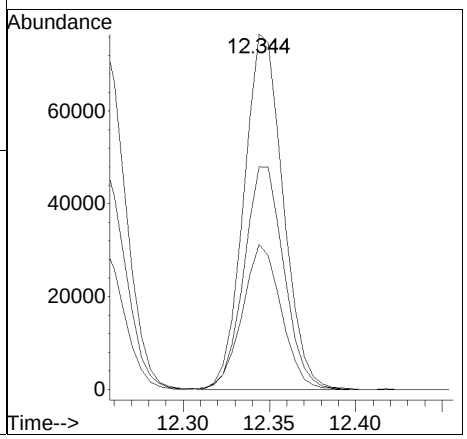


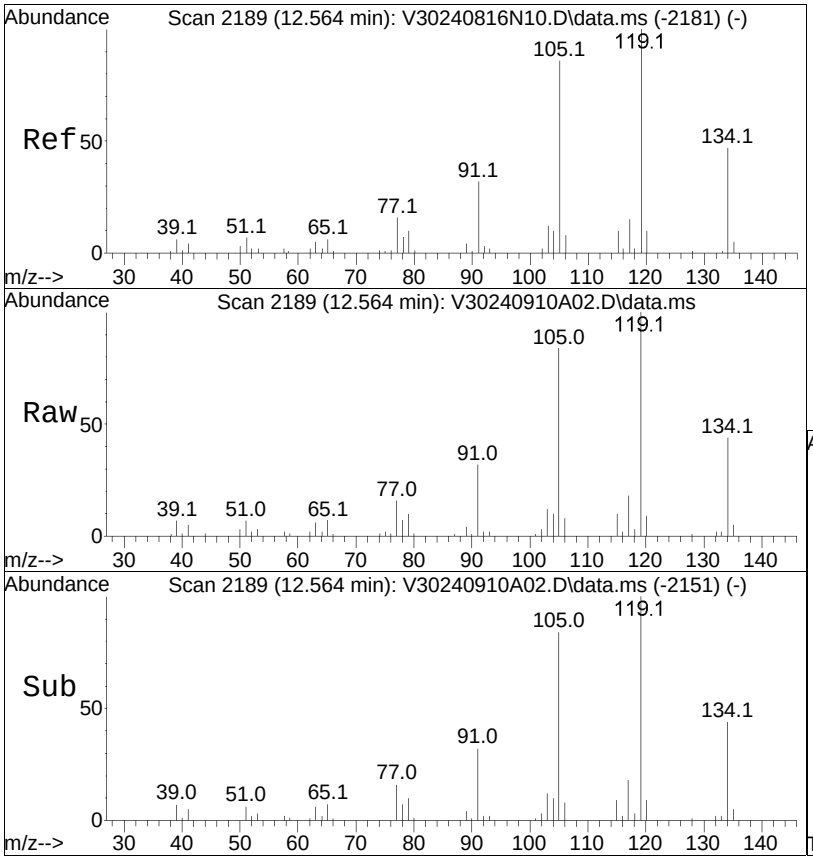


#106
1,4-Dichlorobenzene
Concen: 10.04 ug/L
RT: 12.344 min Scan# 2147
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:146 Resp: 121340

Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.7	50.5
148	63.6	50.8	76.2

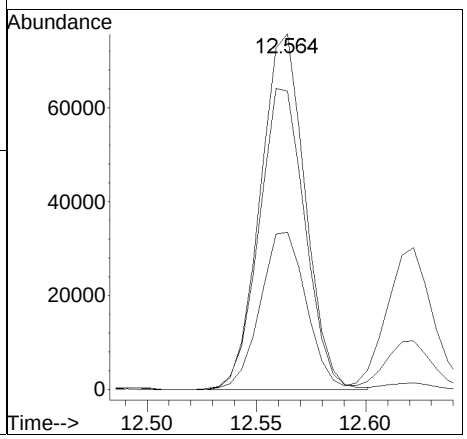


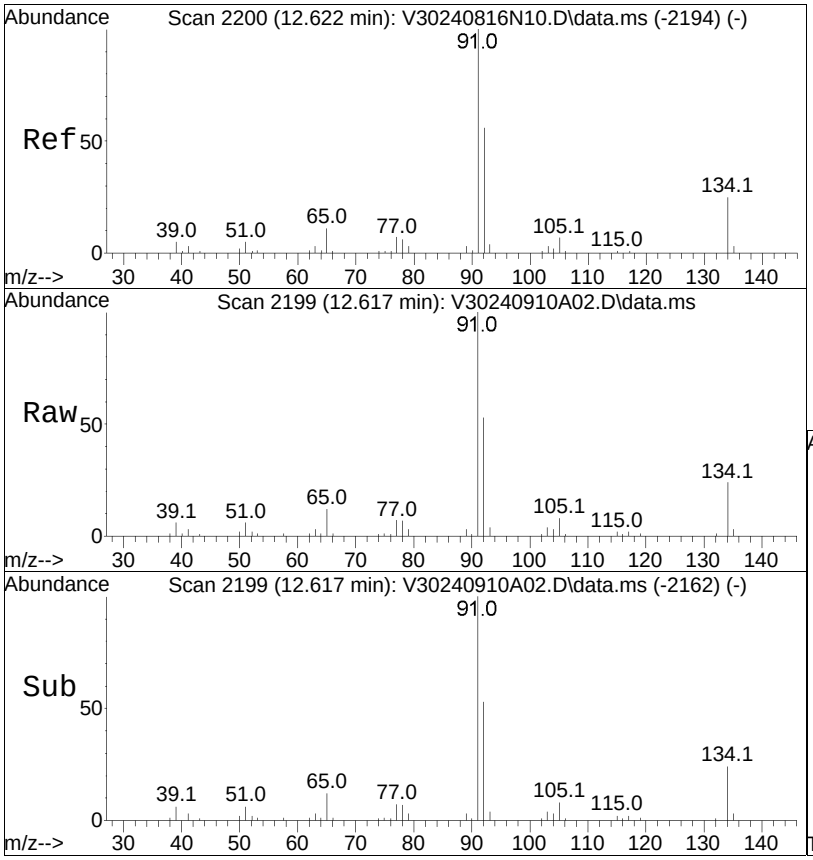


#107
p-Diethylbenzene
Concen: 8.68 ug/L
RT: 12.564 min Scan# 2189
Delta R.T. 0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:119 Resp: 108173

Ion	Ratio	Lower	Upper
119	100		
105	86.8	58.4	121.2
134	45.3	28.7	59.5

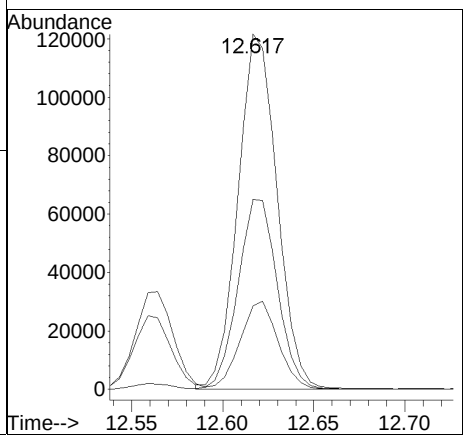


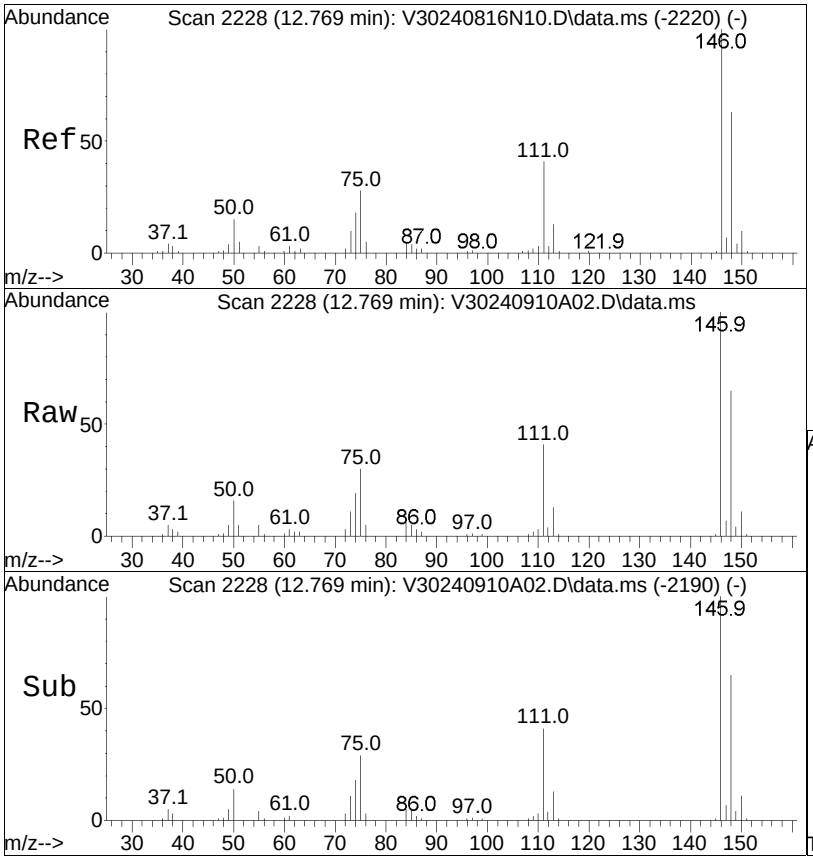


#108
n-Butylbenzene
Concen: 10.20 ug/L
RT: 12.617 min Scan# 2199
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion: 91 Resp: 181290

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.2	66.4
134	24.3	17.8	26.6

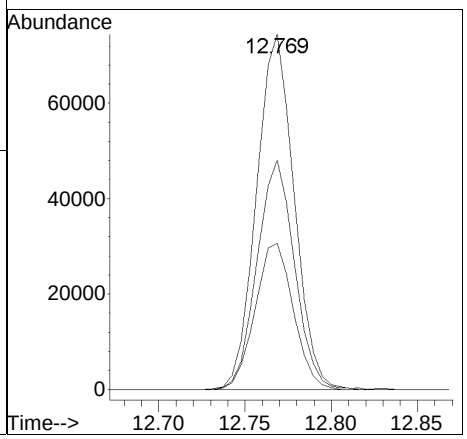


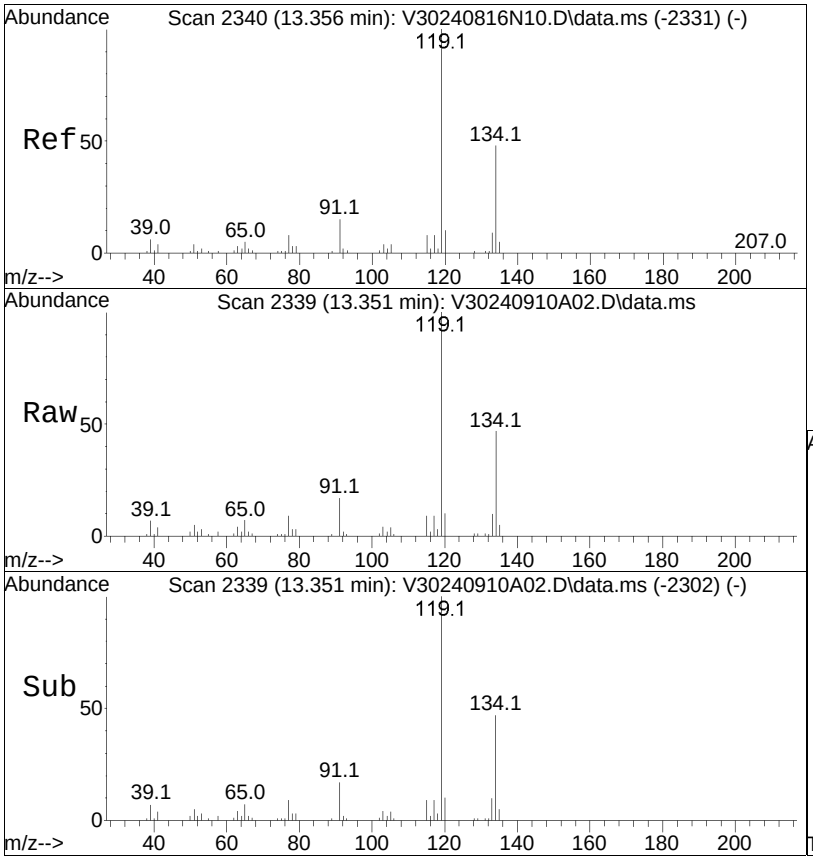


#109
1,2-Dichlorobenzene
Concen: 9.95 ug/L
RT: 12.769 min Scan# 2228
Delta R.T. -0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:146 Resp: 112870

Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.5	61.3
148	64.2	41.3	85.9

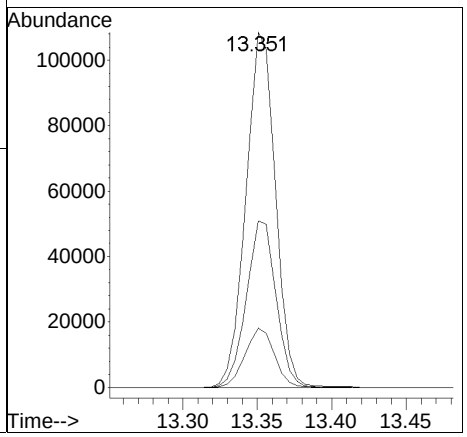


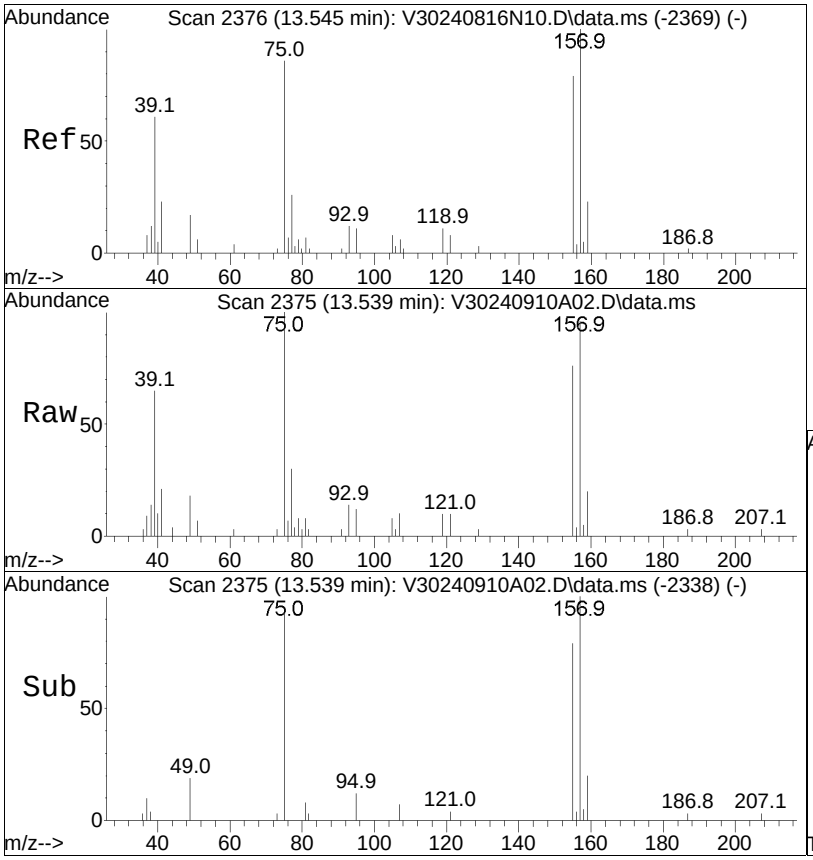


#110
1,2,4,5-Tetramethylbenzene
Concen: 7.87 ug/L
RT: 13.351 min Scan# 2339
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:119 Resp: 149539

Ion	Ratio	Lower	Upper
119	100		
134	47.1	29.1	60.5
91	16.6	11.5	23.9

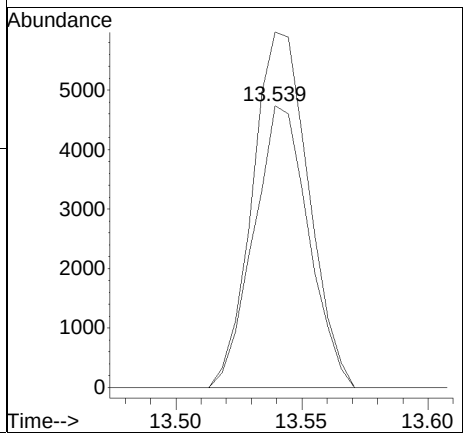


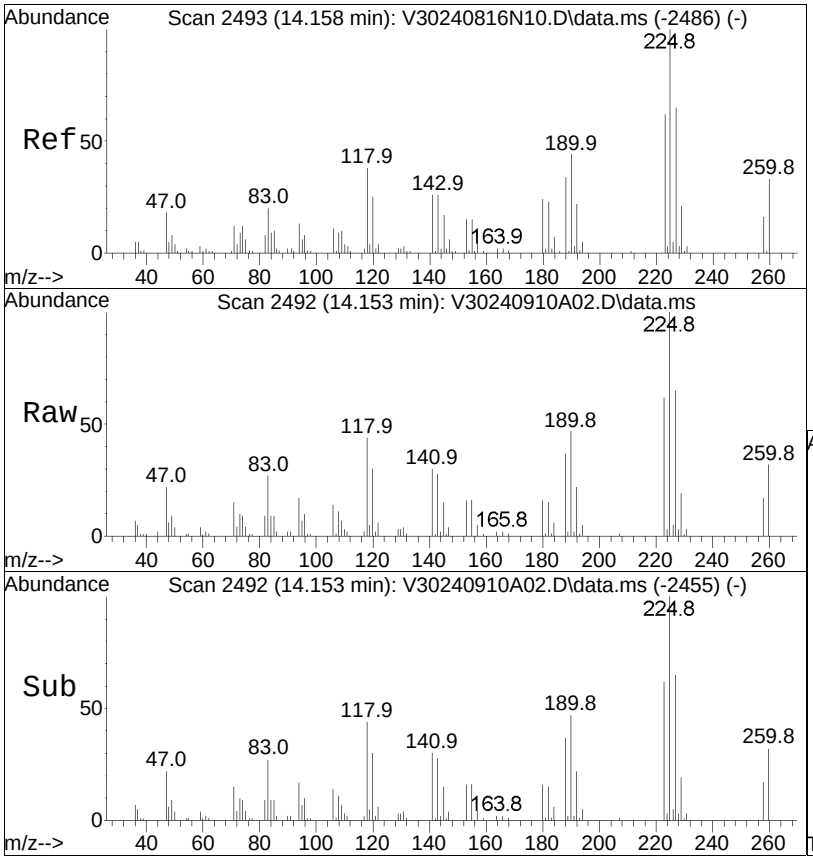


#111
1,2-Dibromo-3-chloropropane
Concen: 12.13 ug/L
RT: 13.539 min Scan# 2375
Delta R.T. -0.006 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:155 Resp: 7130

Ion	Ratio	Lower	Upper
155	100		
157	129.5	105.1	157.7

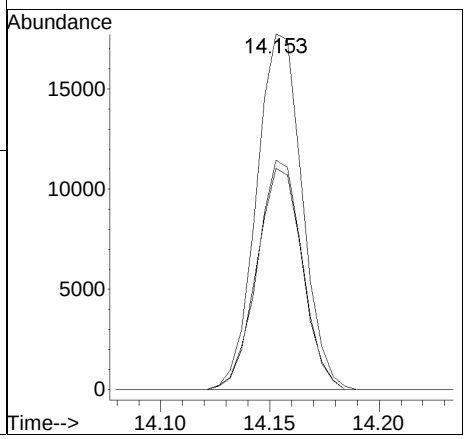


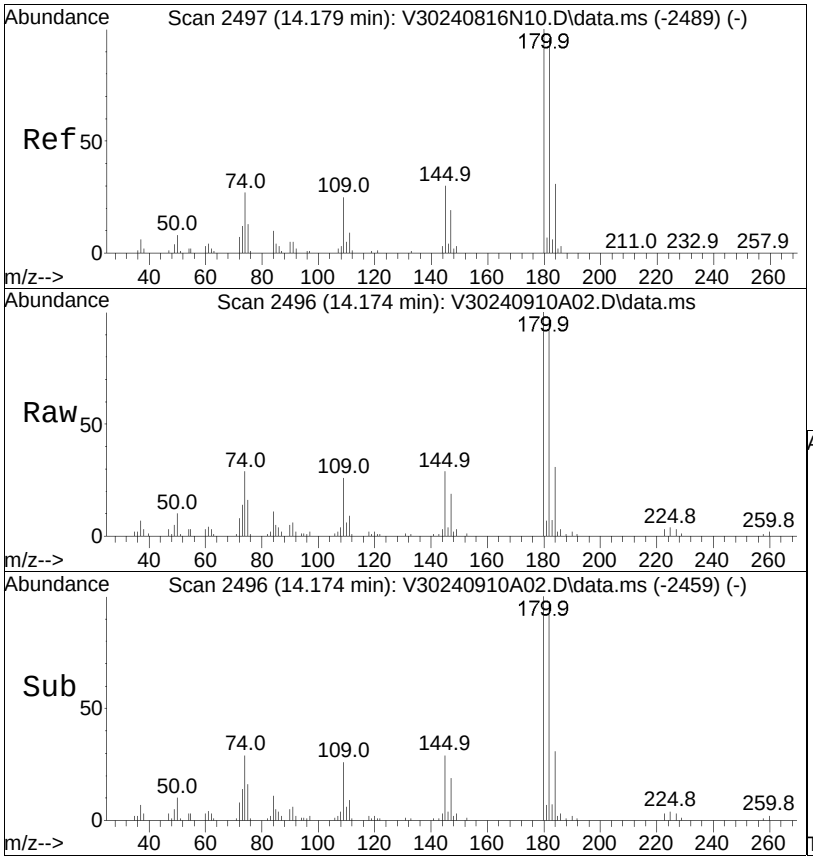


#113
Hexachlorobutadiene
Concen: 8.92 ug/L
RT: 14.153 min Scan# 2492
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:225 Resp: 25745

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	75.8
227	63.6	50.6	76.0

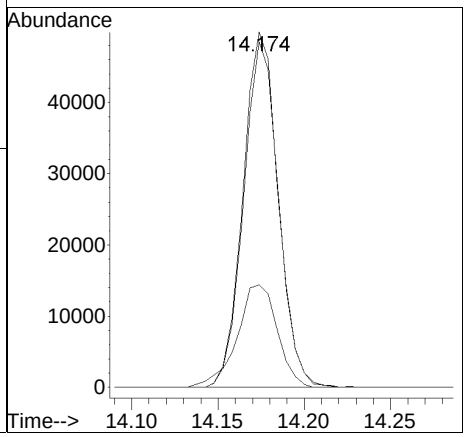


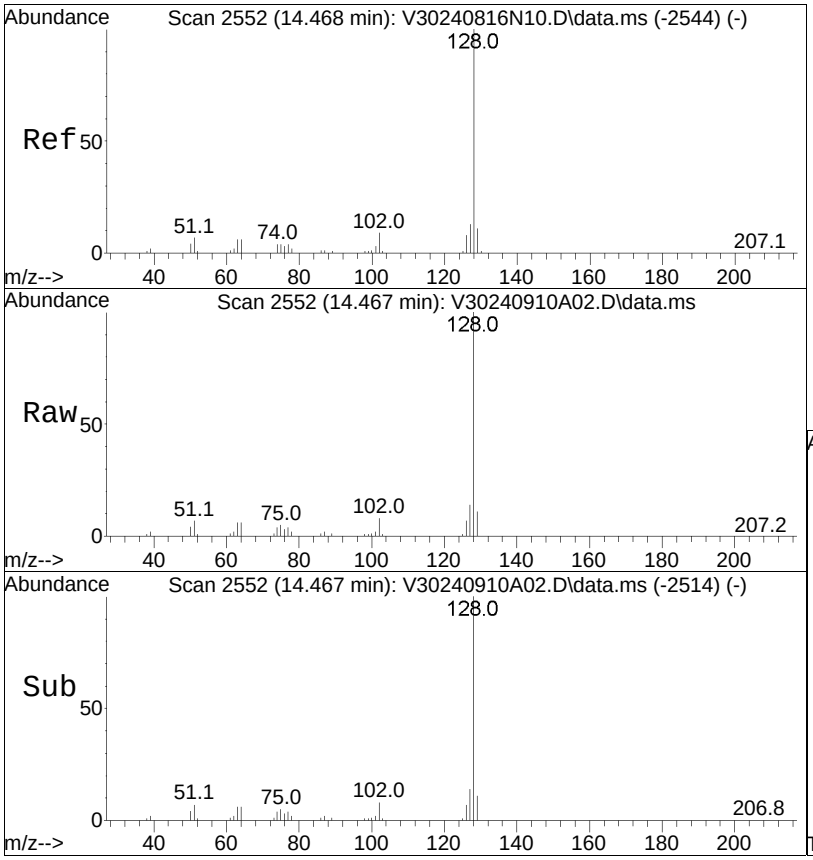


#114
1,2,4-Trichlorobenzene
Concen: 9.33 ug/L
RT: 14.174 min Scan# 2496
Delta R.T. -0.005 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:180 Resp: 70885

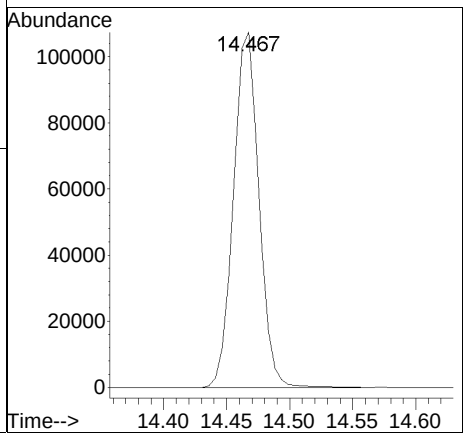
Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.7	113.5
145	33.0	27.4	41.2

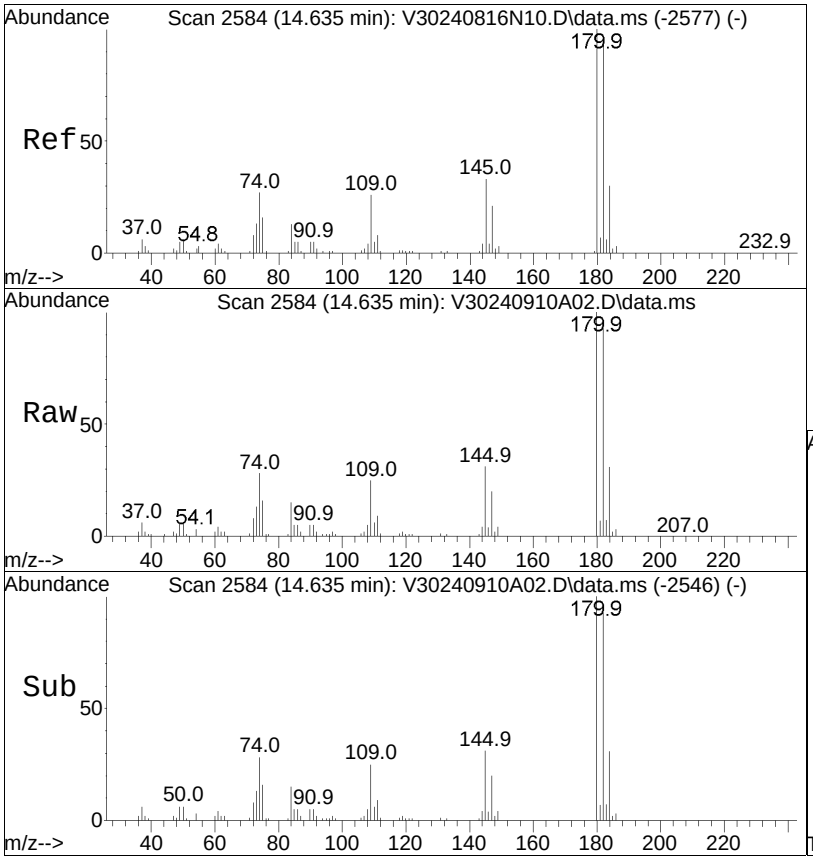




#115
Naphthalene
Concen: 9.44 ug/L
RT: 14.467 min Scan# 2552
Delta R.T. -0.001 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:128 Resp: 150406

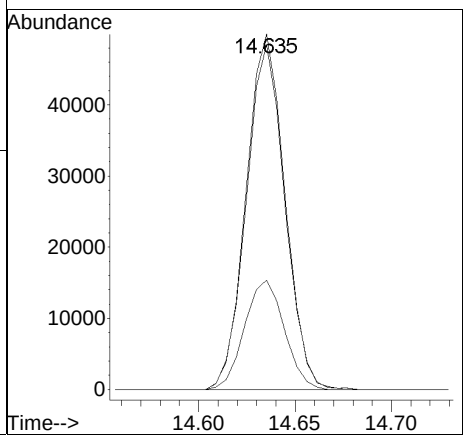




#116
1,2,3-Trichlorobenzene
Concen: 9.78 ug/L
RT: 14.635 min Scan# 2584
Delta R.T. 0.000 min
Lab File: V30240910A02.D
Acq: 10 Sep 2024 06:59 am

Tgt Ion:180 Resp: 69697

Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.9	112.3
145	31.5	26.0	39.0

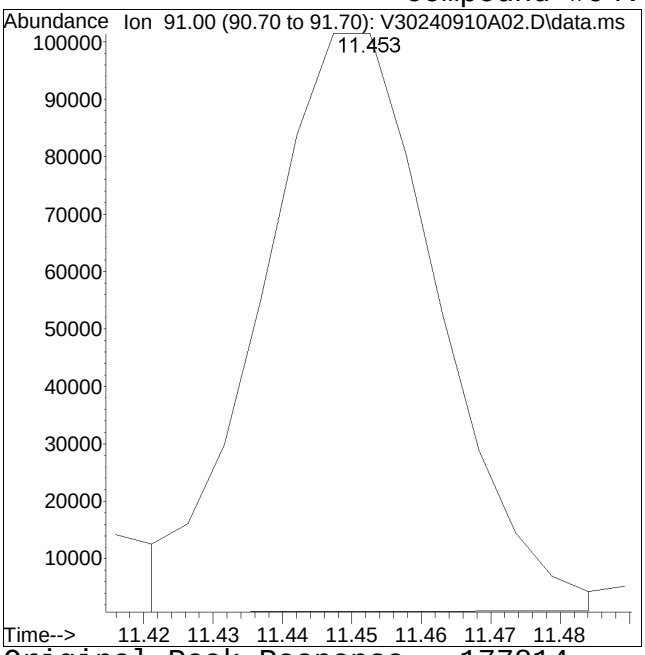


Manual Integration Report

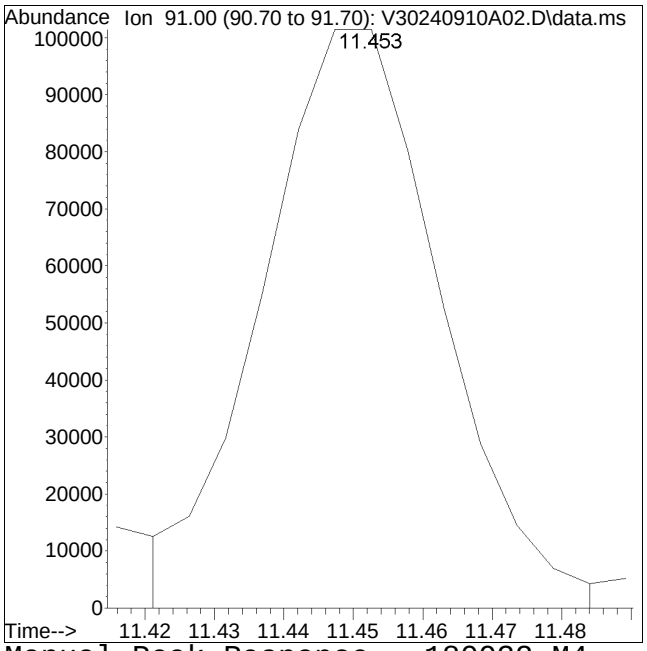
Data Path : K:\VOA130\2024\240910A\
Data File : V30240910A02.D
Date Inj'd : 9/10/2024 6:59 am
Sample : WG1969667-4,31,10,10

QMethod : V130_240816N_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 9/10/2024 7:37 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 177814



Manual Peak Response = 180932 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A02.D
Acq On : 10 Sep 2024 8:59 am
Operator : ELAINE:PID
Sample : WG1970185-4,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 09:31:16 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.959	96	295689	10.000	ug/L	0.00
Standard Area 1 = 302045			Recovery = 97.90%			
63) Chlorobenzene-d5	9.492	117	221213	10.000	ug/L	0.00
Standard Area 1 = 226148			Recovery = 97.82%			
84) 1,4-Dichlorobenzene-d4	12.202	152	130515	10.000	ug/L	0.00
Standard Area 1 = 128633			Recovery = 101.46%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.150	113	69205	9.998	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.98%			
47) 1,2-Dichloroethane-d4	5.671	65	77740	8.417	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.17%			
64) Toluene-d8	7.646	98	281303	9.654	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.54%			
88) 4-Bromofluorobenzene	10.989	95	105211	8.727	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.27%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.592	85	64267	9.694	ug/L	93
3) Chloromethane	1.778	50	63480	8.600	ug/L	95
4) Vinyl chloride	1.856	62	70848	10.299	ug/L	93
5) Bromomethane	2.160	94	19266	9.449	ug/L	94
6) Chloroethane	2.272	64	43240	10.412	ug/L	91
7) Trichlorofluoromethane	2.417	101	76928	9.732	ug/L	90
8) Ethyl ether	2.715	74	29171	9.372	ug/L #	77
10) 1,1-Dichloroethene	2.902	96	49550	10.464	ug/L	93
11) Carbon disulfide	2.930	76	152706	10.451	ug/L	98
15) Methylene chloride	3.452	84	59373	9.940	ug/L	97
17) Acetone	3.491	43	13891	6.403	ug/L #	69
18) trans-1,2-Dichloroethene	3.608	96	54971	10.799	ug/L	89
21) Methyl tert-butyl ether	3.705	73	164284	8.655	ug/L	92
25) 1,1-Dichloroethane	4.188	63	118734	9.939	ug/L	97
27) Acrylonitrile	4.227	53	18047	7.240	ug/L	90
29) Vinyl acetate	4.419	43	124547	6.882	ug/L	99
30) cis-1,2-Dichloroethene	4.706	96	62747	10.284	ug/L	97
31) 2,2-Dichloropropane	4.810	77	78299	9.793	ug/L	96
33) Bromochloromethane	4.899	128	29647	11.077	ug/L	92
35) Chloroform	4.974	83	96429	9.737	ug/L	93

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A02.D
Acq On : 10 Sep 2024 8:59 am
Operator : ELAINE:PID
Sample : WG1970185-4,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 09:31:16 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	5.105	117	83518	11.041	ug/L		94
40) 1,1,1-Trichloroethane	5.172	97	94483	10.505	ug/L		92
42) 2-Butanone	5.261	43	19638	6.335	ug/L	#	88
43) 1,1-Dichloropropene	5.295	75	77735	10.266	ug/L		92
45) Benzene	5.537	78	244473	10.437	ug/L		96
48) 1,2-Dichloroethane	5.741	62	78455	8.679	ug/L		100
52) Trichloroethene	6.134	95	63269	10.744	ug/L		94
54) Dibromomethane	6.575	93	31956	9.421	ug/L	#	76
55) 1,2-Dichloropropane	6.681	63	67657	9.568	ug/L		99
58) Bromodichloromethane	6.753	83	79434	9.480	ug/L	#	92
61) 1,4-Dioxane	6.951	88	20916	368.590	ug/L	#	64
62) cis-1,3-Dichloropropene	7.439	75	90730	9.617	ug/L		92
65) Toluene	7.704	92	156755	10.291	ug/L		95
66) 4-Methyl-2-pentanone	8.139	58	17662	6.798	ug/L		83
67) Tetrachloroethene	8.150	166	76885	11.882	ug/L		90
69) trans-1,3-Dichloropropene	8.187	75	73586	8.581	ug/L		86
72) 1,1,2-Trichloroethane	8.376	83	38873	9.089	ug/L		98
73) Chlorodibromomethane	8.585	129	57029	9.537	ug/L		94
74) 1,3-Dichloropropane	8.694	76	82323	9.117	ug/L		98
75) 1,2-Dibromoethane	8.862	107	45776	9.057	ug/L		87
77) 2-Hexanone	9.143	43	28282	5.587	ug/L		94
78) Chlorobenzene	9.511	112	168963	10.410	ug/L	#	85
79) Ethylbenzene	9.548	91	304891	10.328	ug/L		99
80) 1,1,1,2-Tetrachloroethane	9.595	131	61674	10.365	ug/L		97
81) p/m Xylene	9.734	106	244285	21.707	ug/L		96
82) o Xylene	10.278	106	233647	21.232	ug/L		91
83) Styrene	10.348	104	379280	21.021	ug/L		94
85) Bromoform	10.373	173	37745	8.888	ug/L		95
87) Isopropylbenzene	10.663	105	313117	10.019	ug/L		95
89) Bromobenzene	11.098	156	81531	10.333	ug/L		97
90) n-Propylbenzene	11.145	91	369473	9.894	ug/L		95
92) 1,1,2,2-Tetrachloroethane	11.232	83	55341	8.345	ug/L		96
93) 4-Ethyltoluene	11.271	105	305980	10.100	ug/L		97
94) 2-Chlorotoluene	11.313	91	214351M1	9.756	ug/L		
95) 1,3,5-Trimethylbenzene	11.369	105	267028	10.048	ug/L		99
96) 1,2,3-Trichloropropane	11.371	75	44974	8.313	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.427	53	17817	6.702	ug/L	#	81
98) 4-Chlorotoluene	11.497	91	220968	9.601	ug/L		97
99) tert-Butylbenzene	11.712	119	228318	10.220	ug/L	#	92

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A02.D
Acq On : 10 Sep 2024 8:59 am
Operator : ELAINE:PID
Sample : WG1970185-4,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 09:31:16 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2024\240910A\VE240910A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.790	105	264581	9.974	ug/L	94
103) sec-Butylbenzene	11.901	105	330765	9.984	ug/L	97
104) p-Isopropyltoluene	12.060	119	283737	10.164	ug/L	93
105) 1,3-Dichlorobenzene	12.124	146	152779	10.484	ug/L	94
106) 1,4-Dichlorobenzene	12.216	146	152090	10.441	ug/L	98
107) p-Diethylbenzene	12.431	119	163262	9.919	ug/L	97
108) n-Butylbenzene	12.487	91	230206	9.576	ug/L	94
109) 1,2-Dichlorobenzene	12.640	146	144405	10.300	ug/L	97
110) 1,2,4,5-Tetramethylben...	13.226	119	246667	9.235	ug/L	94
111) 1,2-Dibromo-3-chloropr...	13.421	155	9025	7.312	ug/L	88
113) Hexachlorobutadiene	14.026	225	38792	10.515	ug/L	94
114) 1,2,4-Trichlorobenzene	14.048	180	98434	9.795	ug/L	99
115) Naphthalene	14.341	128	180851	8.164	ug/L	100
116) 1,2,3-Trichlorobenzene	14.511	180	85934	9.307	ug/L	95

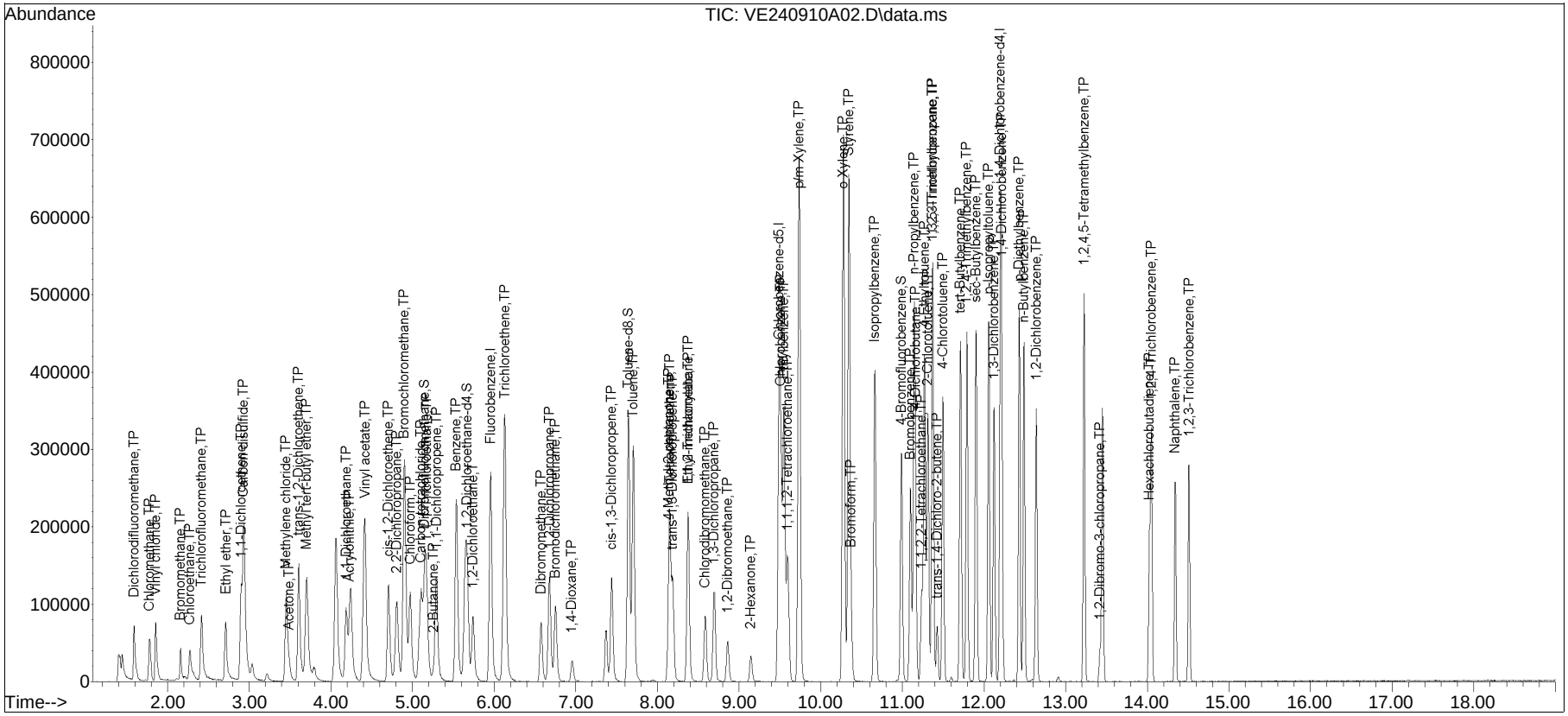
(#) = qualifier out of range (m) = manual integration (+) = signals summed

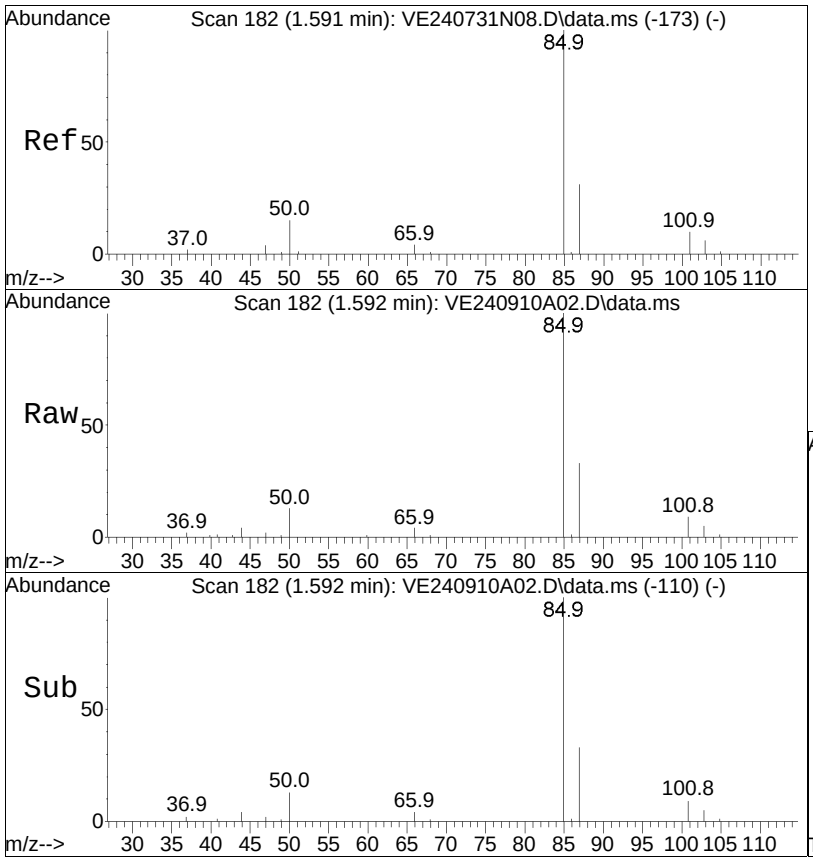
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A02.D
Acq On : 10 Sep 2024 8:59 am
Operator : ELAINE:PID
Sample : WG1970185-4,31,10,10
Misc : WG1970185,ICAL21358
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 09:31:16 2024
Quant Method : K:\Elaine\2024\240910A\Elaine_240731N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Aug 01 12:13:24 2024
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox40910A01.D•

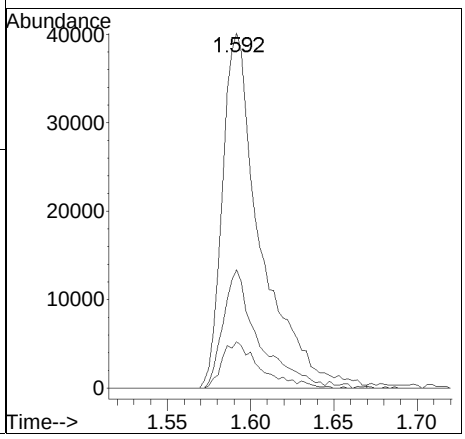


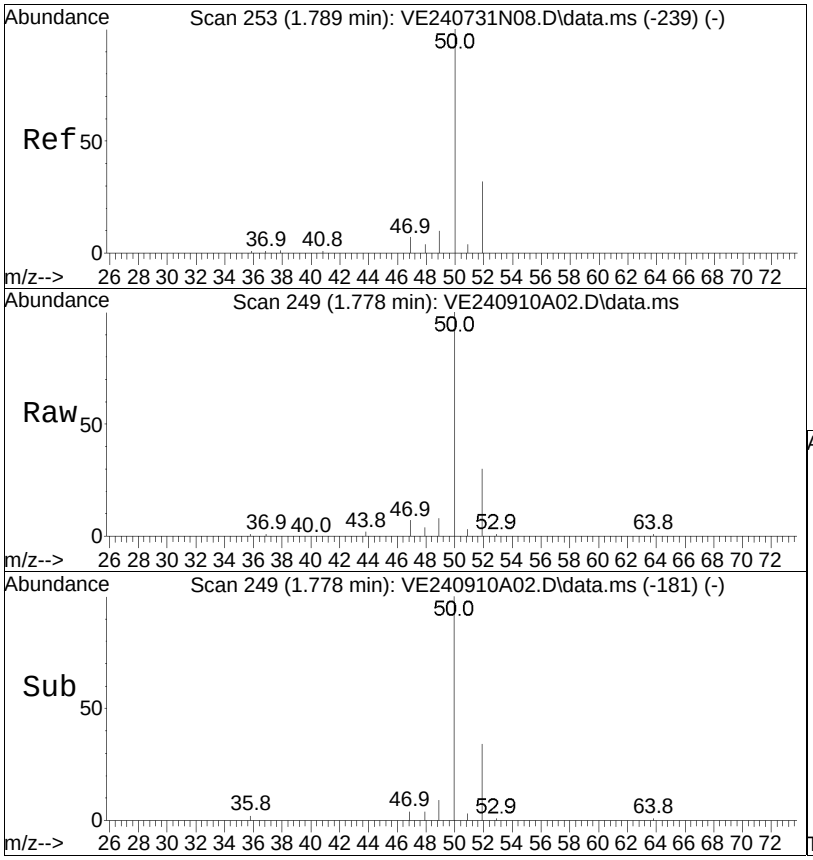


#2
Dichlorodifluoromethane
Concen: 9.69 ug/L
RT: 1.592 min Scan# 182
Delta R.T. 0.001 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 85 Resp: 64267

Ion	Ratio	Lower	Upper
85	100		
87	31.0	21.7	45.1
50	13.4	11.8	24.4

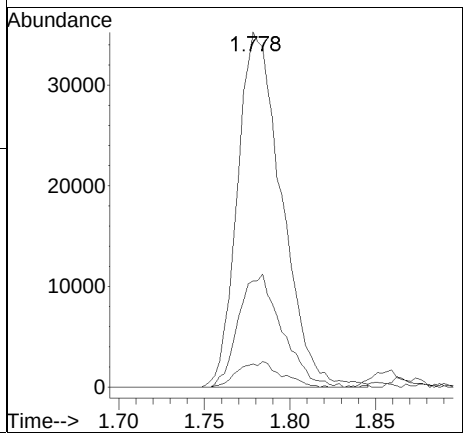


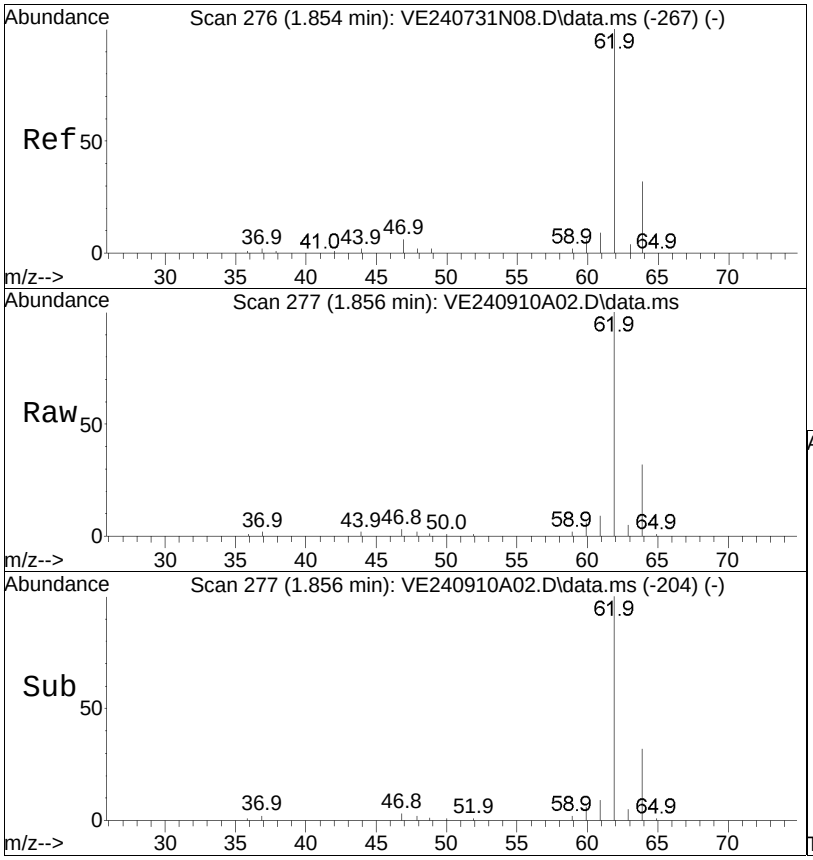


#3
Chloromethane
Concen: 8.60 ug/L
RT: 1.778 min Scan# 249
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 50 Resp: 63480

Ion	Ratio	Lower	Upper
50	100		
52	31.4	14.9	54.9
47	7.2	0.0	28.0

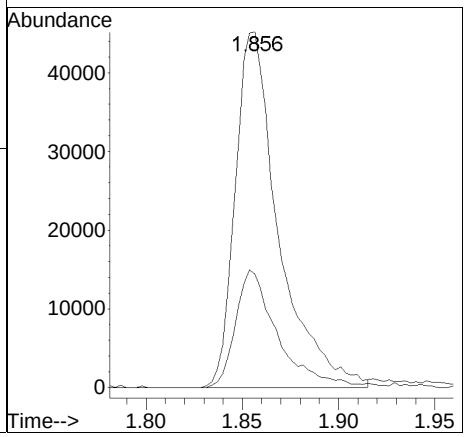


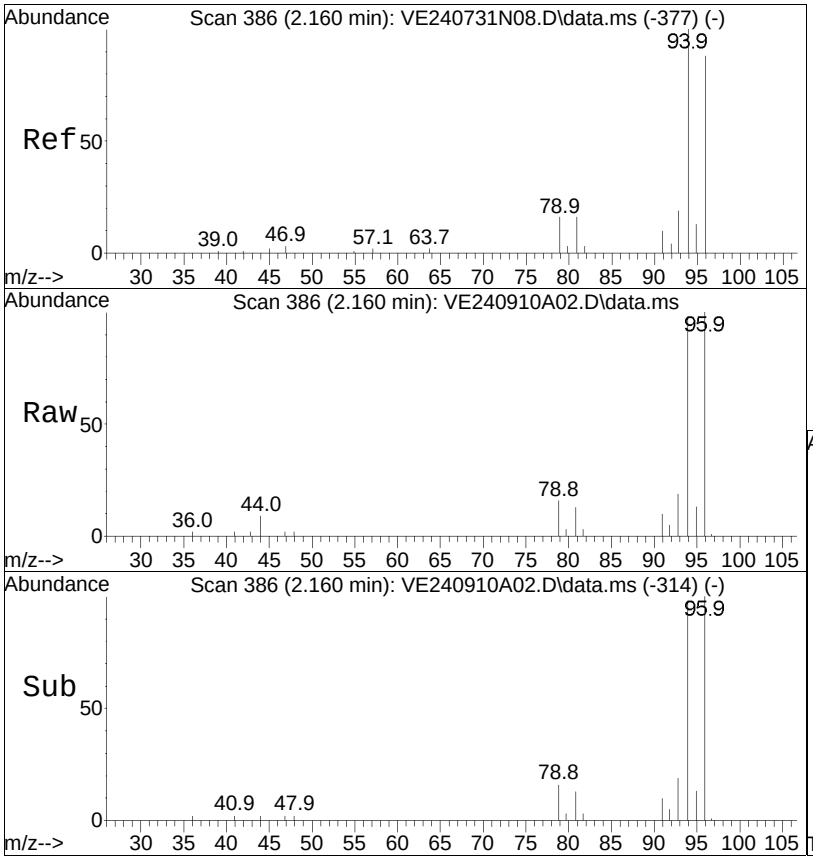


#4
Vinyl chloride
Concen: 10.30 ug/L
RT: 1.856 min Scan# 277
Delta R.T. 0.002 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 62 Resp: 70848

Ion	Ratio	Lower	Upper
62	100		
64	31.8	8.1	48.1

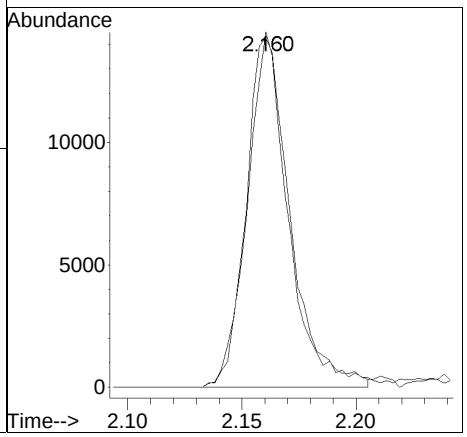


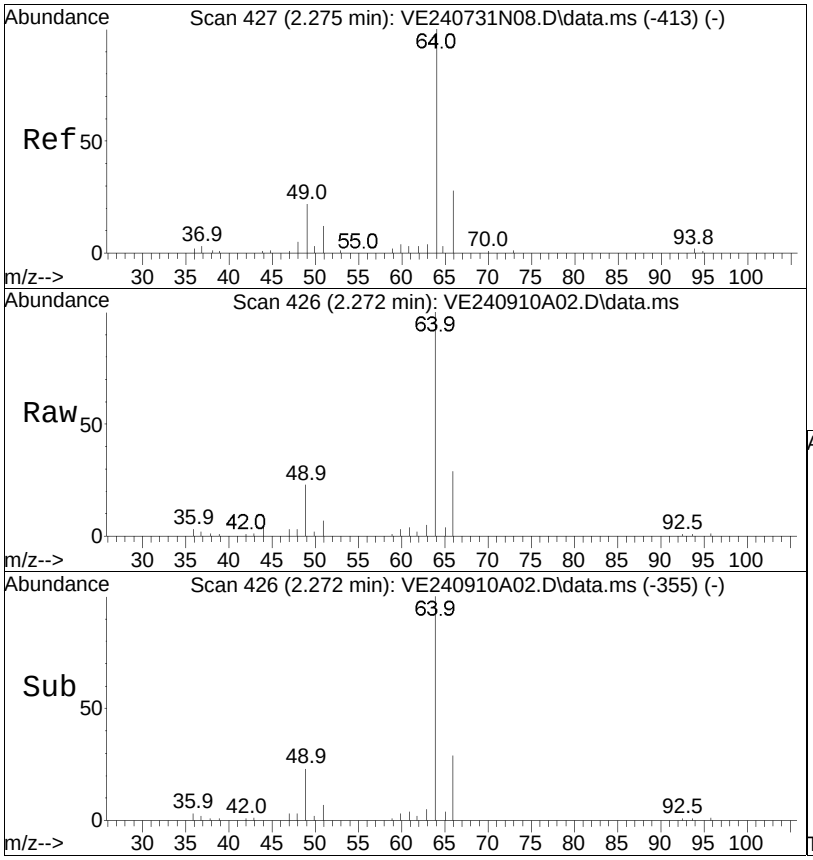


#5
Bromomethane
Concen: 9.45 ug/L
RT: 2.160 min Scan# 386
Delta R.T. 0.000 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 94 Resp: 19266

Ion	Ratio	Lower	Upper
94	100		
96	93.6	68.2	108.2

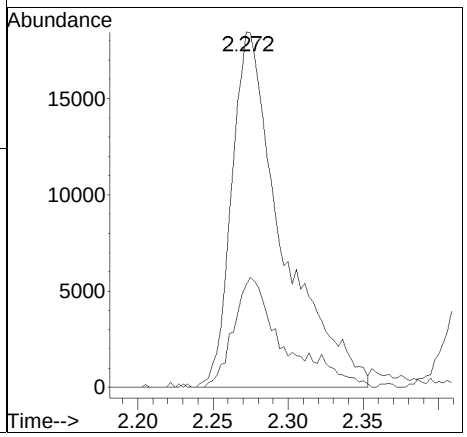


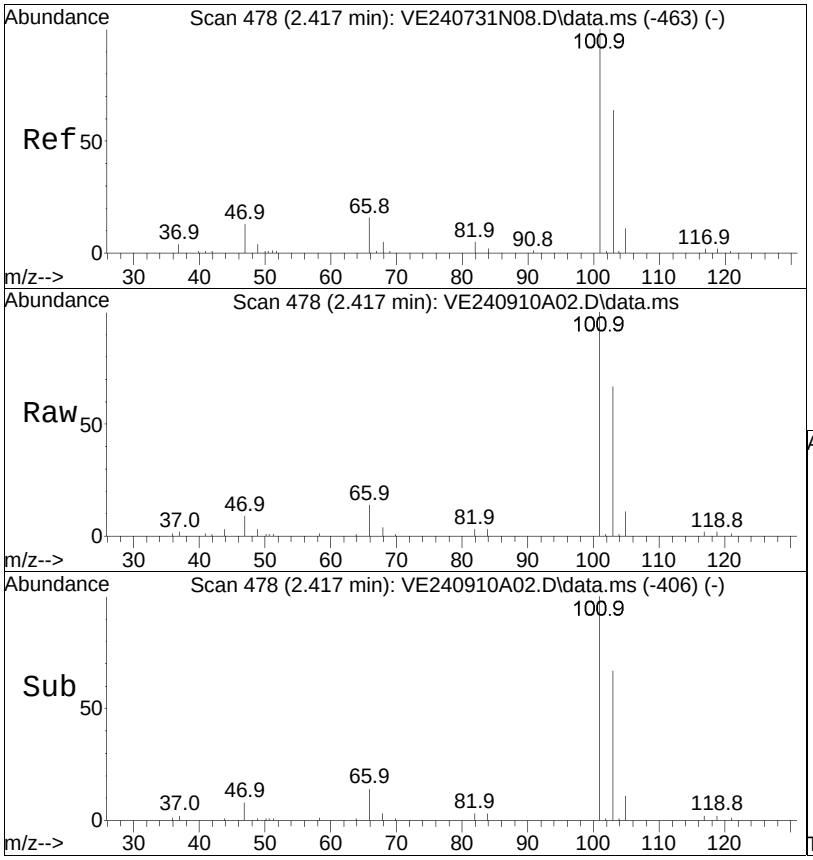


#6
Chloroethane
Concen: 10.41 ug/L
RT: 2.272 min Scan# 426
Delta R.T. -0.003 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 64 Resp: 43240

Ion	Ratio	Lower	Upper
64	100		
66	25.6	10.7	50.7

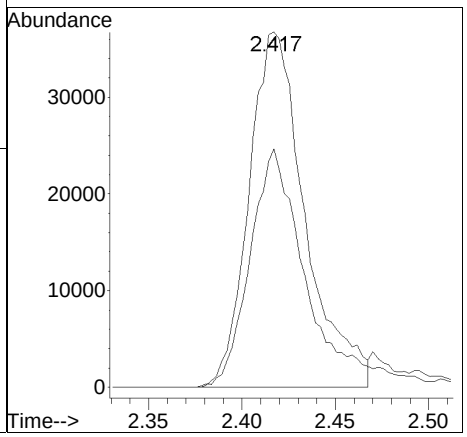


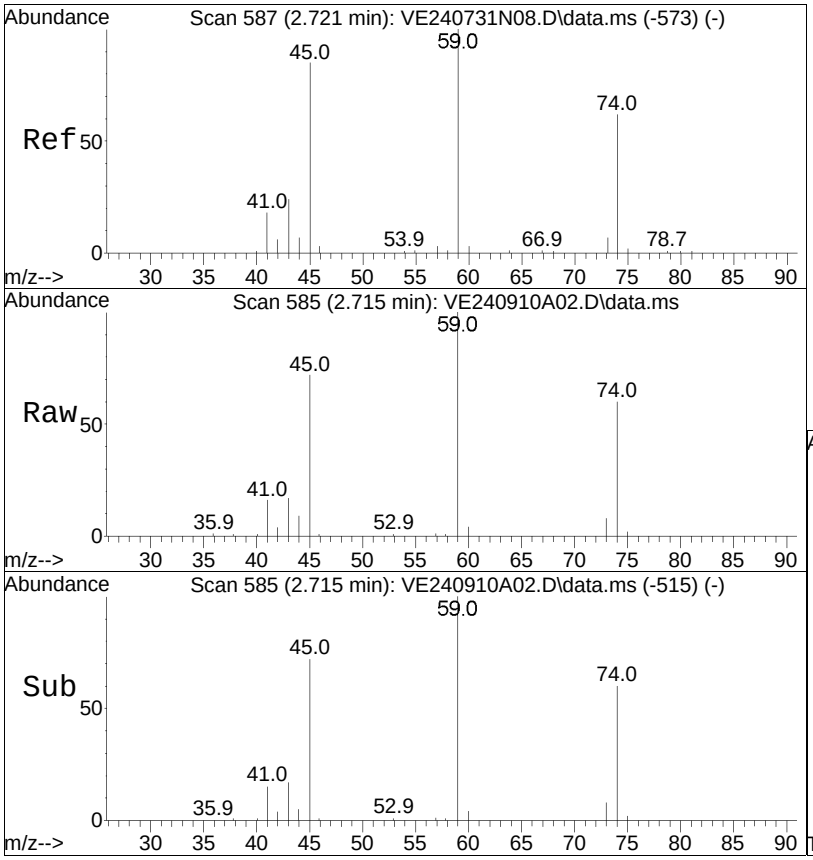


#7
Trichlorofluoromethane
Concen: 9.73 ug/L
RT: 2.417 min Scan# 478
Delta R.T. 0.000 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:101 Resp: 76928

Ion	Ratio	Lower	Upper
101	100		
103	68.0	48.2	72.2

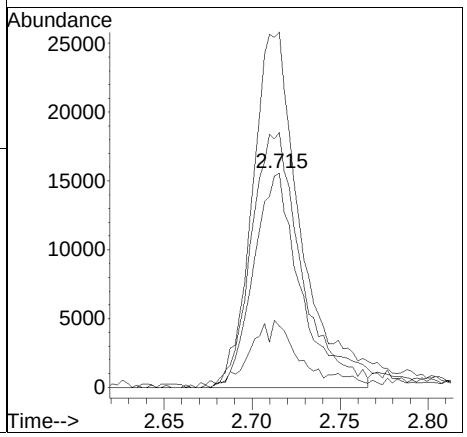


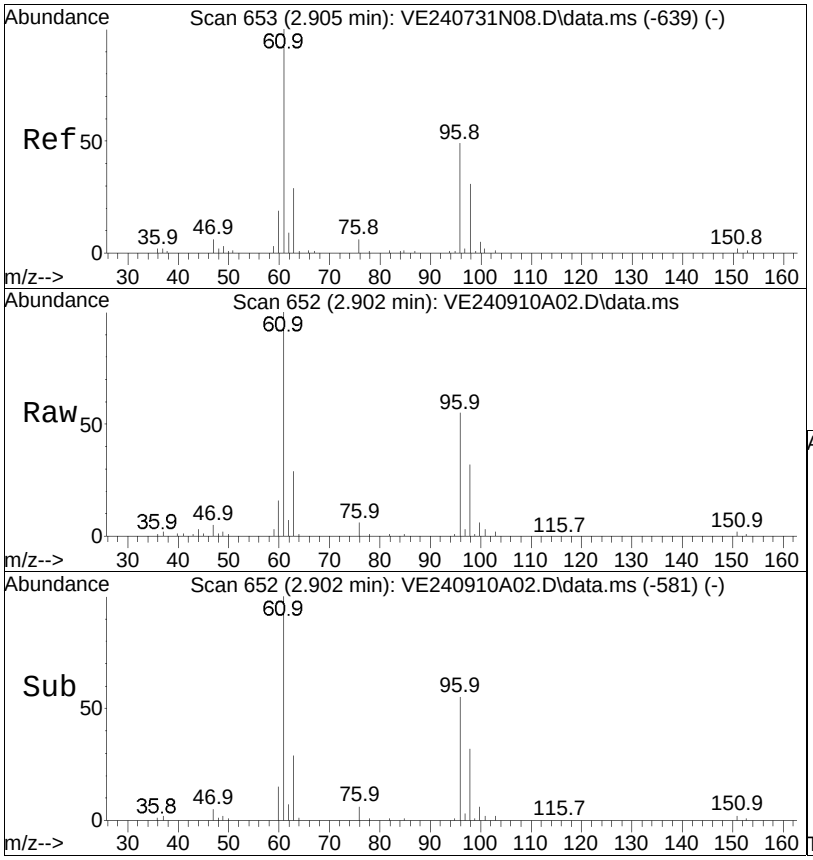


#8
Ethyl ether
Concen: 9.37 ug/L
RT: 2.715 min Scan# 585
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 74 Resp: 29171

Ion	Ratio	Lower	Upper
74	100		
59	173.8	91.7	190.5
45	132.6	77.4	160.8
43	11.8	24.6	51.2#

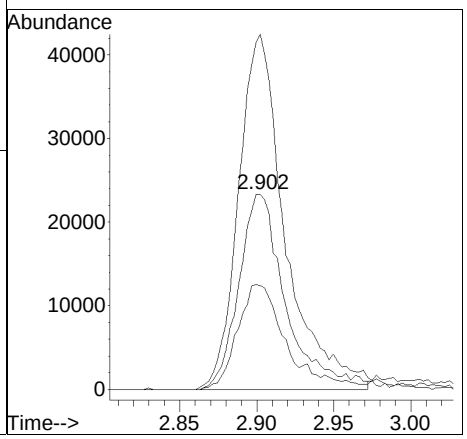


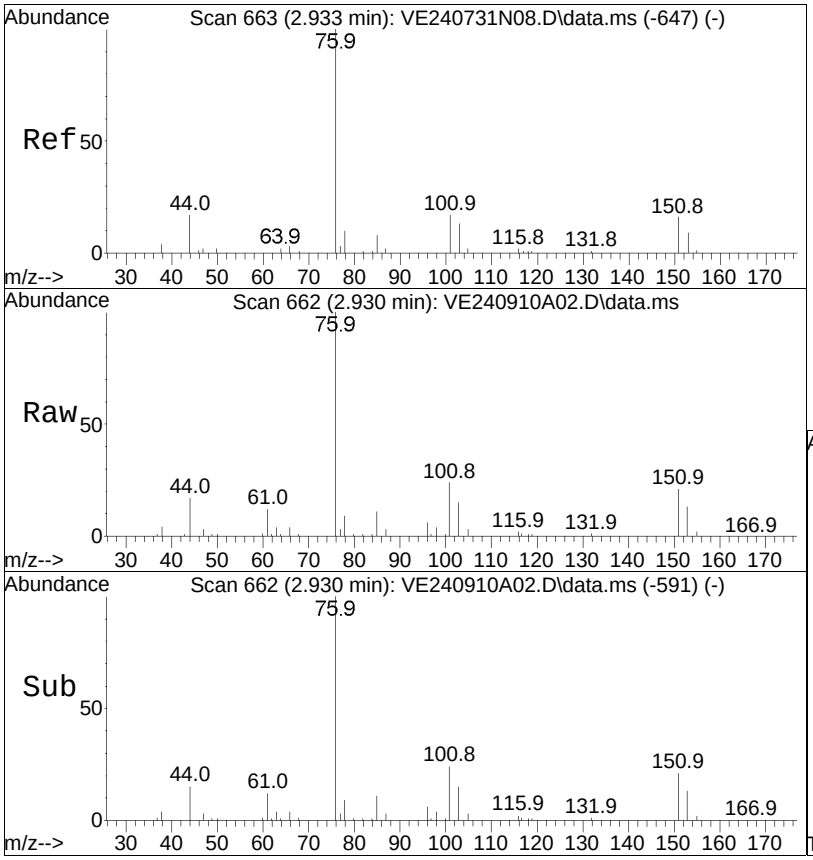


#10
1,1-Dichloroethene
Concen: 10.46 ug/L
RT: 2.902 min Scan# 652
Delta R.T. -0.003 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 96 Resp: 49550

Ion	Ratio	Lower	Upper
96	100		
61	181.1	135.4	203.0
63	55.5	42.6	63.8

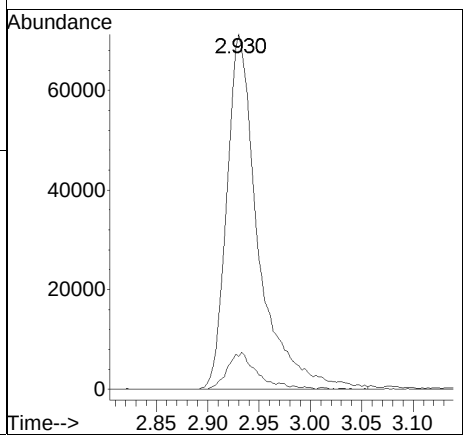


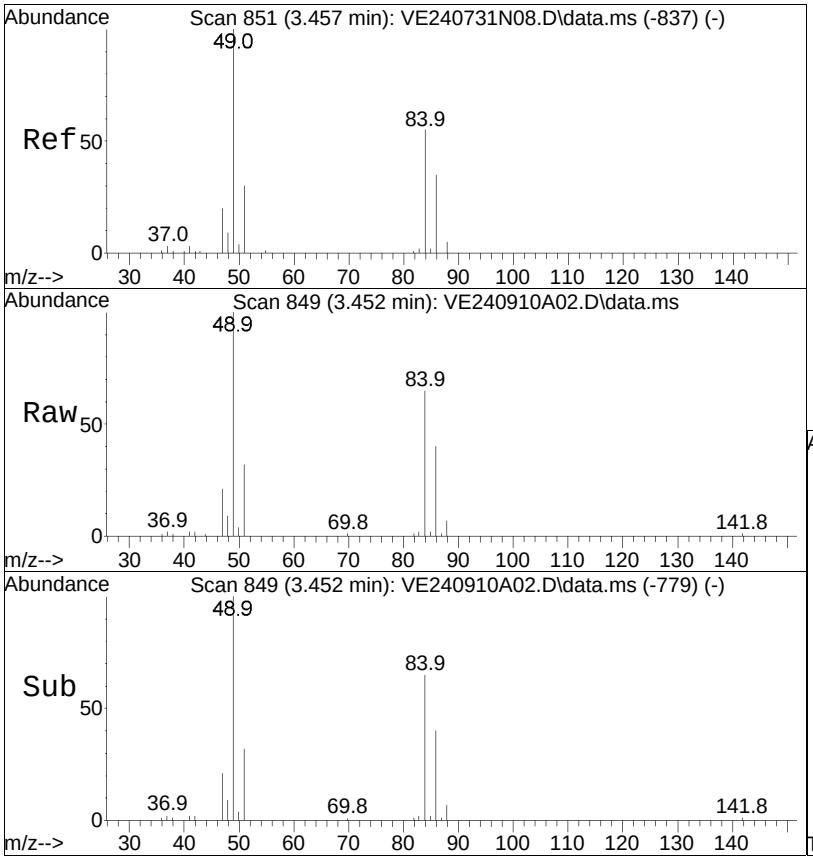


#11
Carbon disulfide
Concen: 10.45 ug/L
RT: 2.930 min Scan# 662
Delta R.T. -0.003 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 76 Resp: 152706

Ion	Ratio	Lower	Upper
76	100		
78	9.1	5.5	11.3

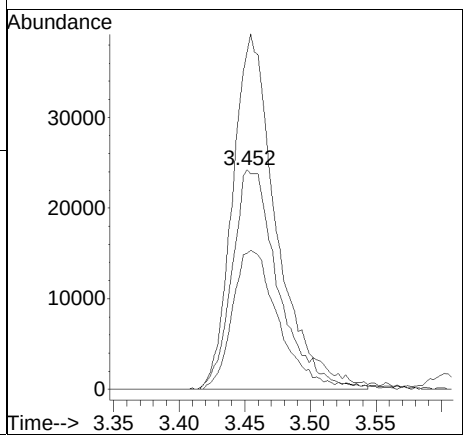


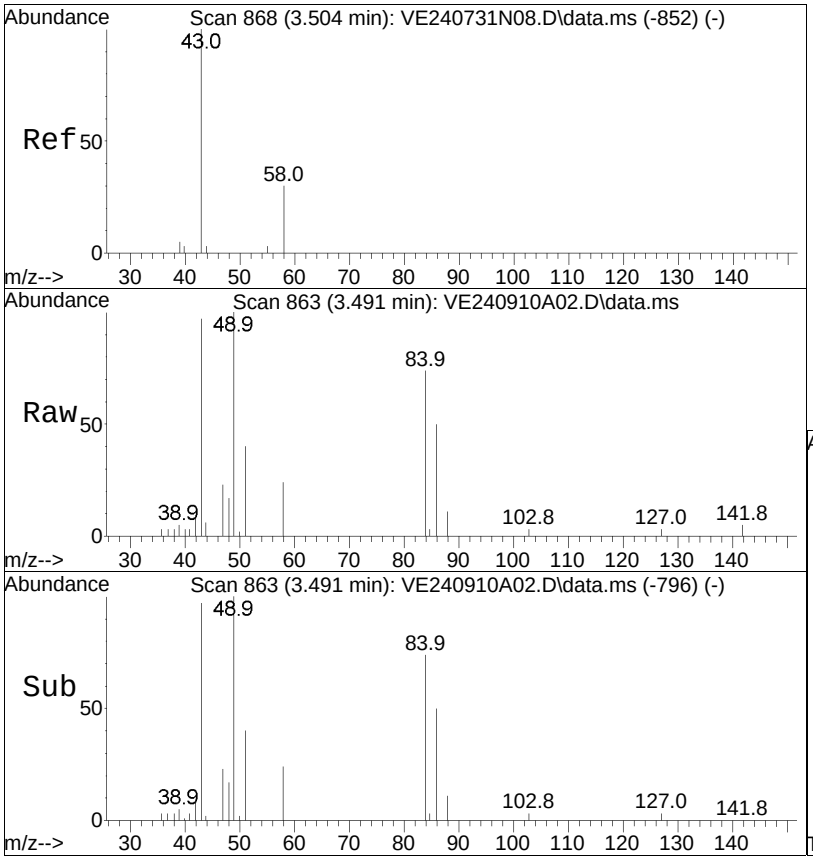


#15
Methylene chloride
Concen: 9.94 ug/L
RT: 3.452 min Scan# 849
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 84 Resp: 59373

Ion	Ratio	Lower	Upper
84	100		
86	62.8	40.2	83.6
49	154.7	103.2	214.4

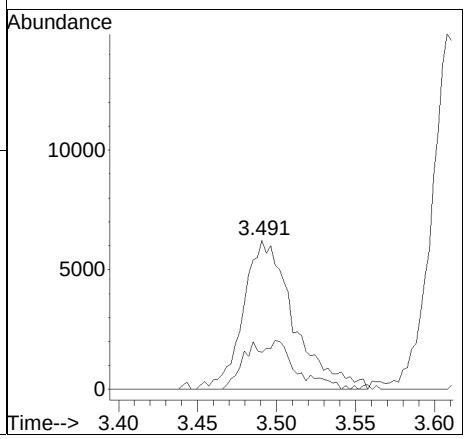


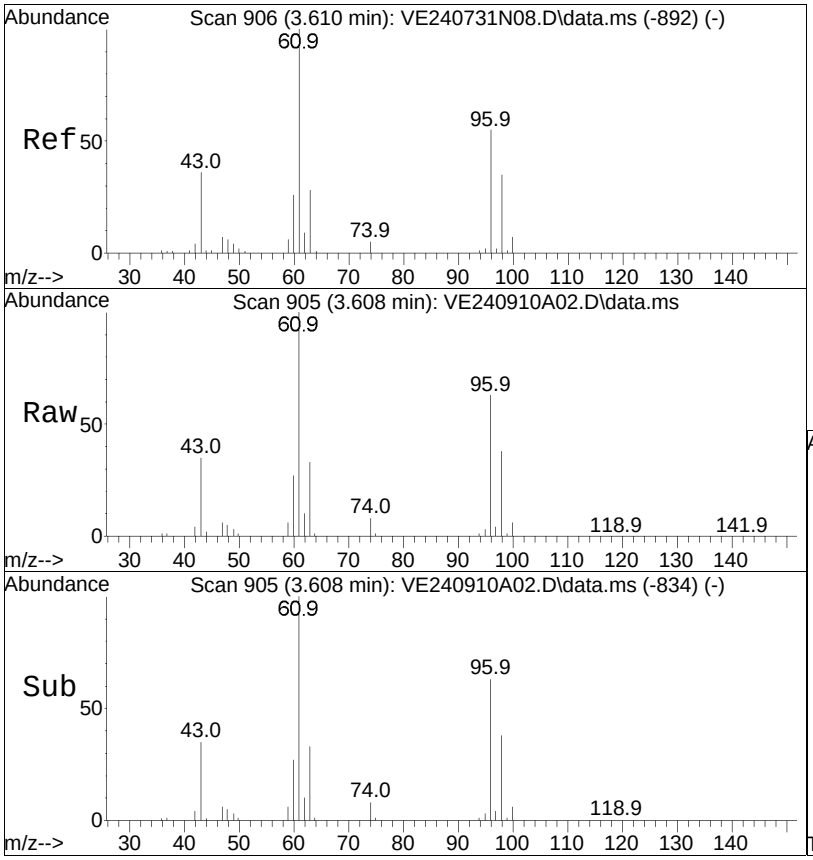


#17
Acetone
Concen: 6.40 ug/L
RT: 3.491 min Scan# 863
Delta R.T. -0.013 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 43 Resp: 13891

Ion	Ratio	Lower	Upper
43	100		
58	12.4	23.4	35.0#

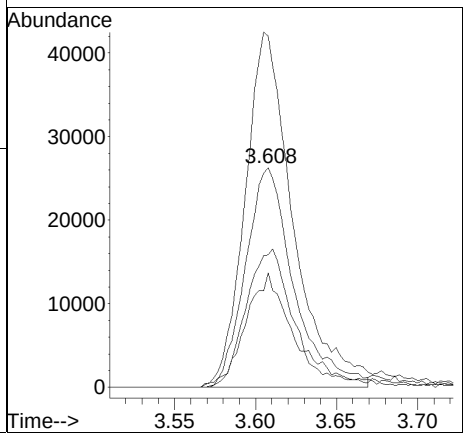


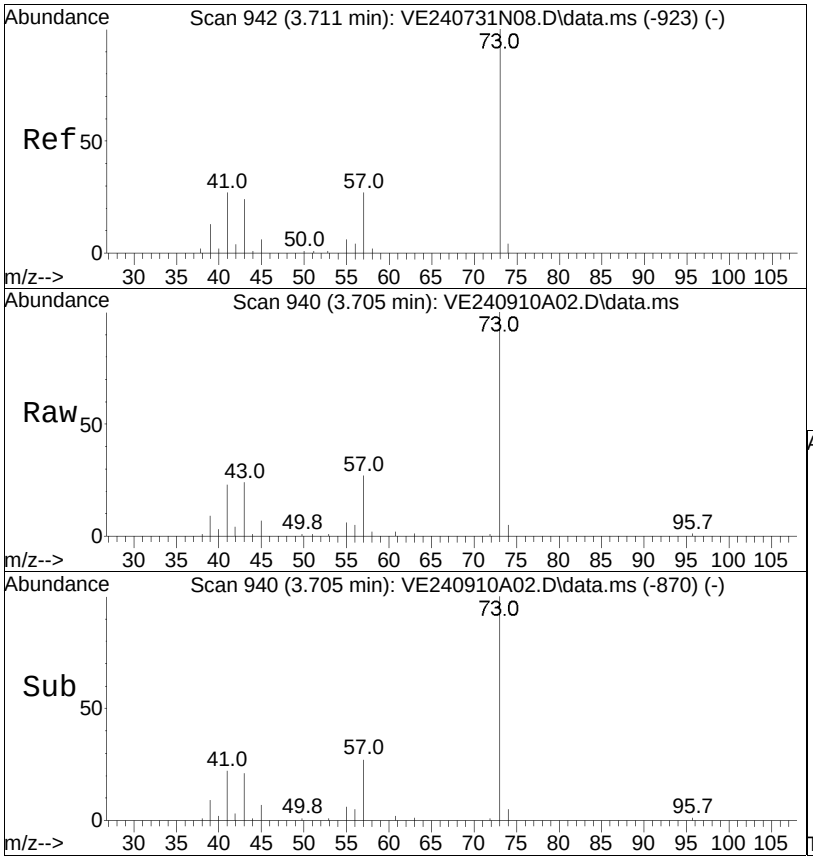


#18
trans-1,2-Dichloroethene
Concen: 10.80 ug/L
RT: 3.608 min Scan# 905
Delta R.T. -0.002 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 96 Resp: 54971

Ion	Ratio	Lower	Upper
96	100		
61	160.2	93.5	194.1
98	63.5	37.8	78.6
63	50.1	29.7	61.7

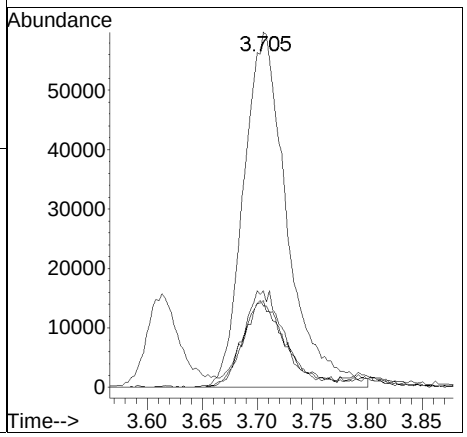


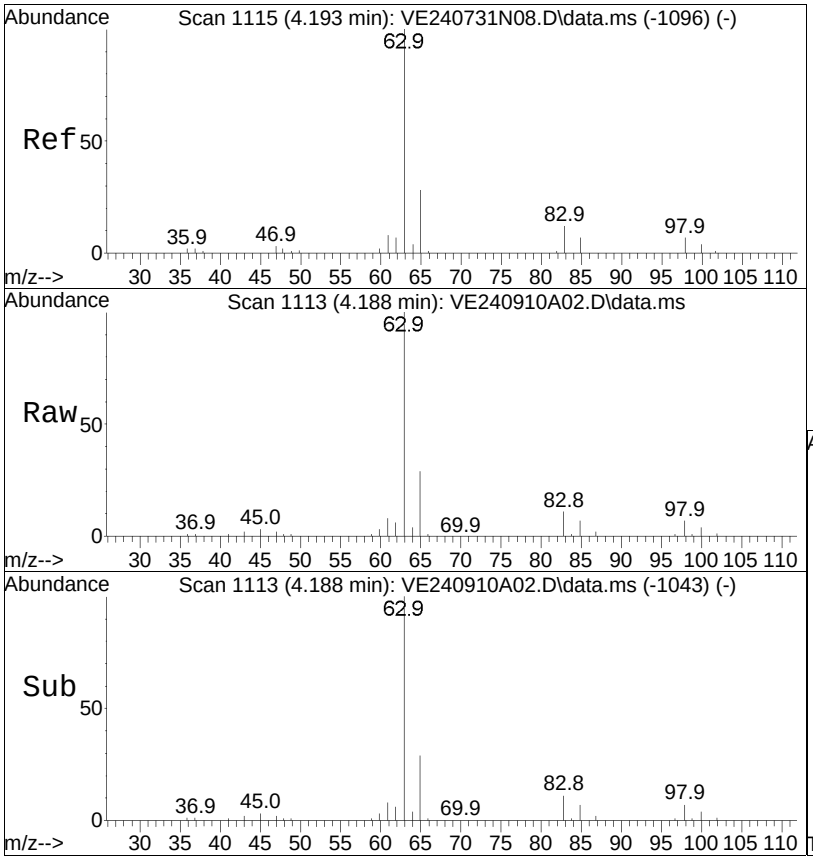


#21
Methyl tert-butyl ether
Concen: 8.66 ug/L
RT: 3.705 min Scan# 940
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 73 Resp: 164284

Ion	Ratio	Lower	Upper
73	100		
57	27.0	16.1	33.3
43	21.3	17.0	35.2
41	23.6	18.7	38.9

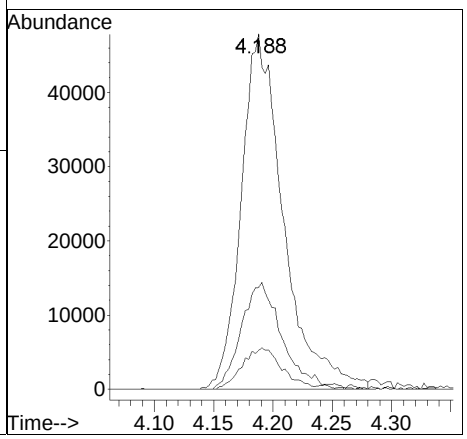


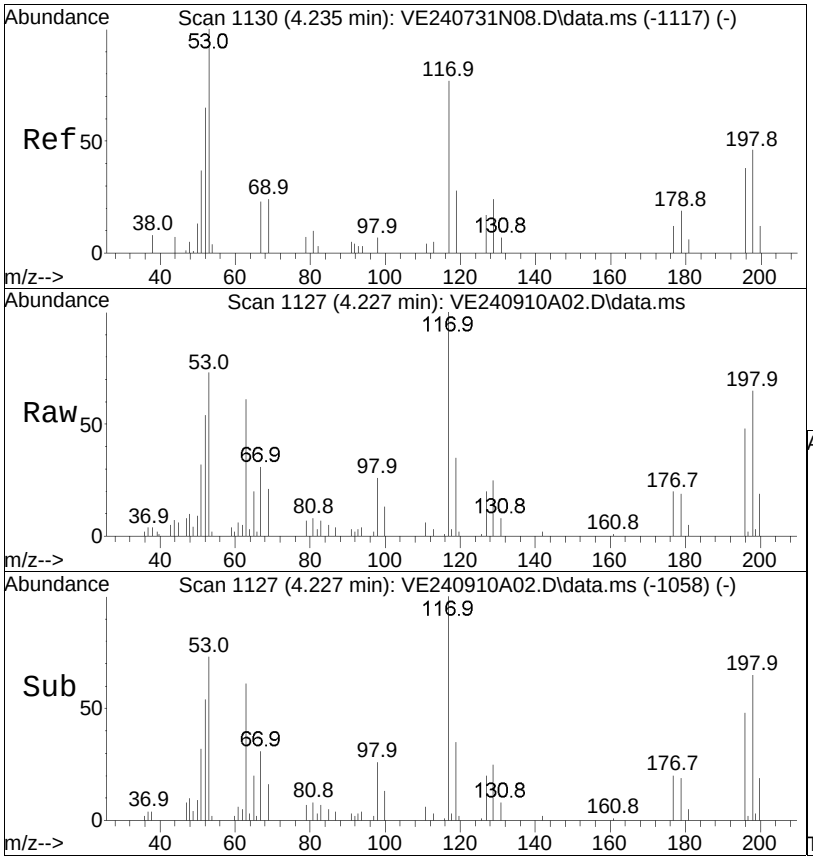


#25
1,1-Dichloroethane
Concen: 9.94 ug/L
RT: 4.188 min Scan# 1113
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 63 Resp: 118734

Ion	Ratio	Lower	Upper
63	100		
65	28.8	10.3	50.3
83	11.1	0.0	33.1

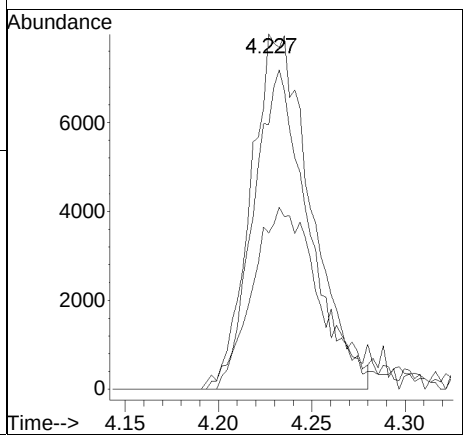


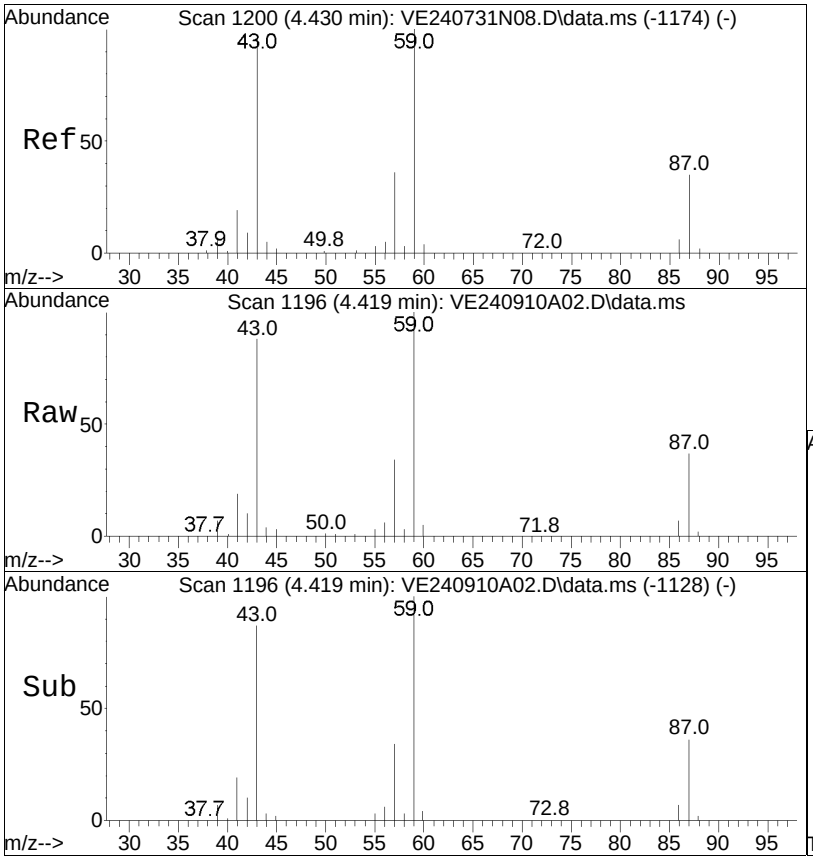


#27
Acrylonitrile
Concen: 7.24 ug/L
RT: 4.227 min Scan# 1127
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 53 Resp: 18047

Ion	Ratio	Lower	Upper
53	100		
52	82.2	58.9	88.3
51	56.5	40.2	60.2

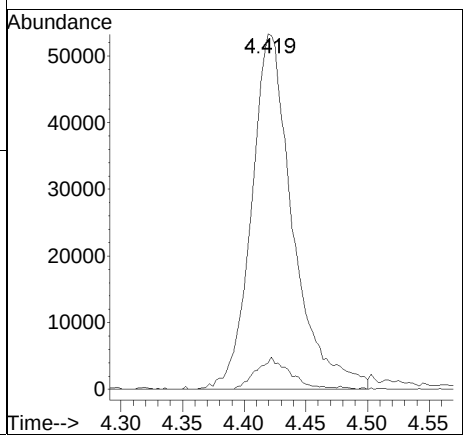


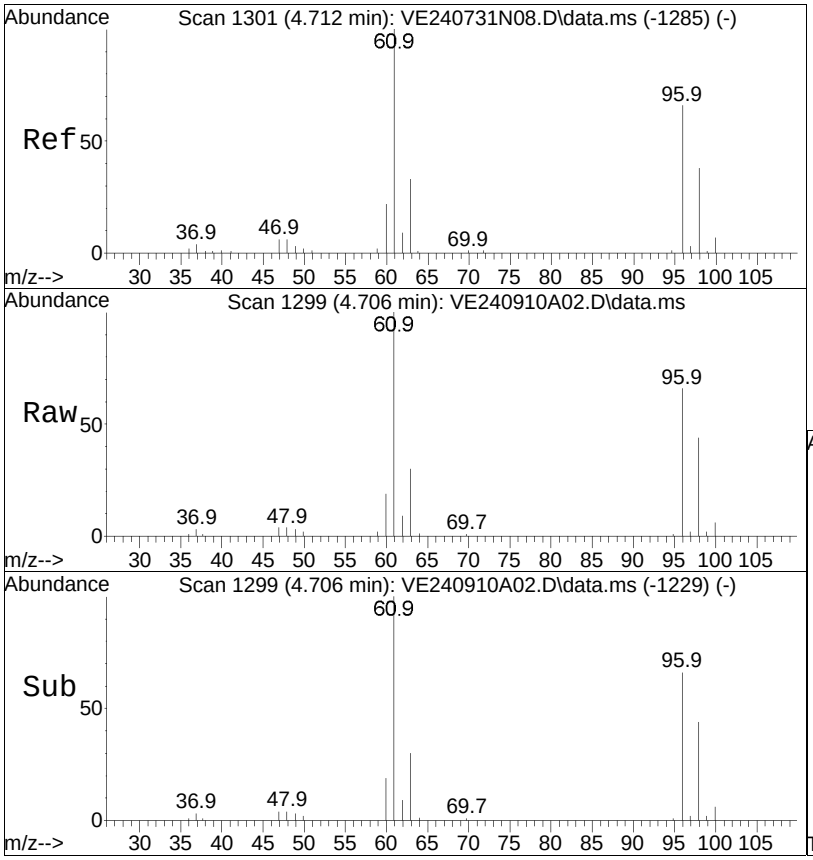


#29
Vinyl acetate
Concen: 6.88 ug/L
RT: 4.419 min Scan# 1196
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 43 Resp: 124547

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.2	9.4

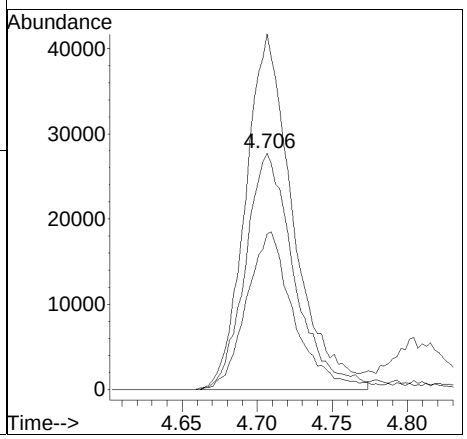


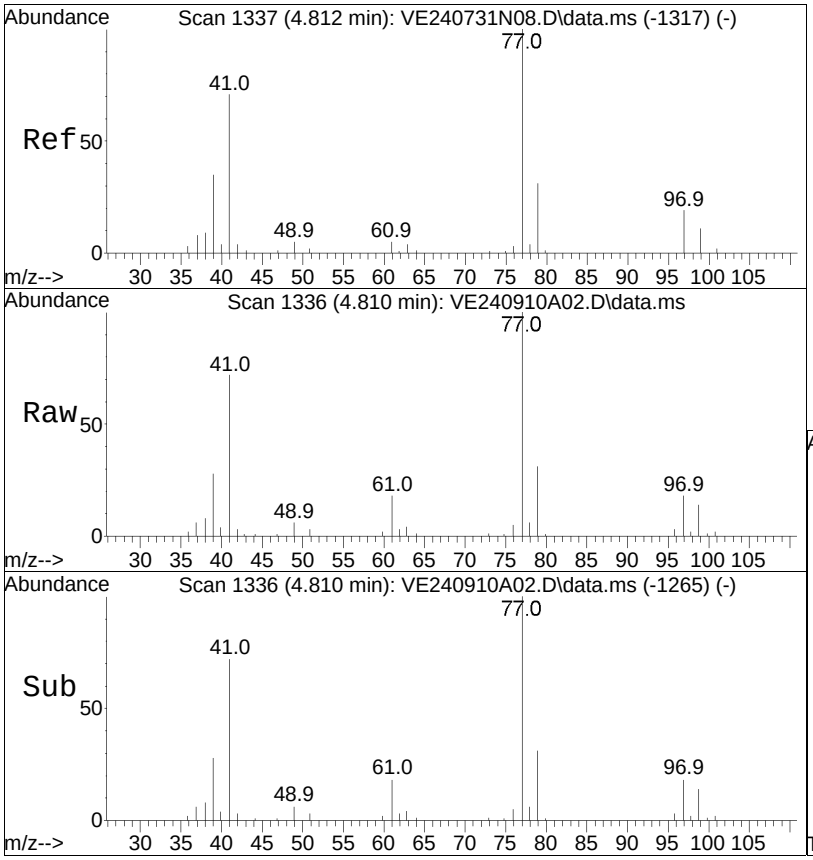


#30
cis-1,2-Dichloroethene
Concen: 10.28 ug/L
RT: 4.706 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 96 Resp: 62747

Ion	Ratio	Lower	Upper
96	100		
61	146.4	120.3	180.5
98	65.4	50.2	75.4

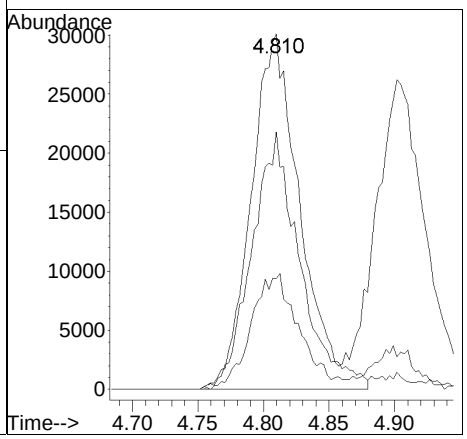


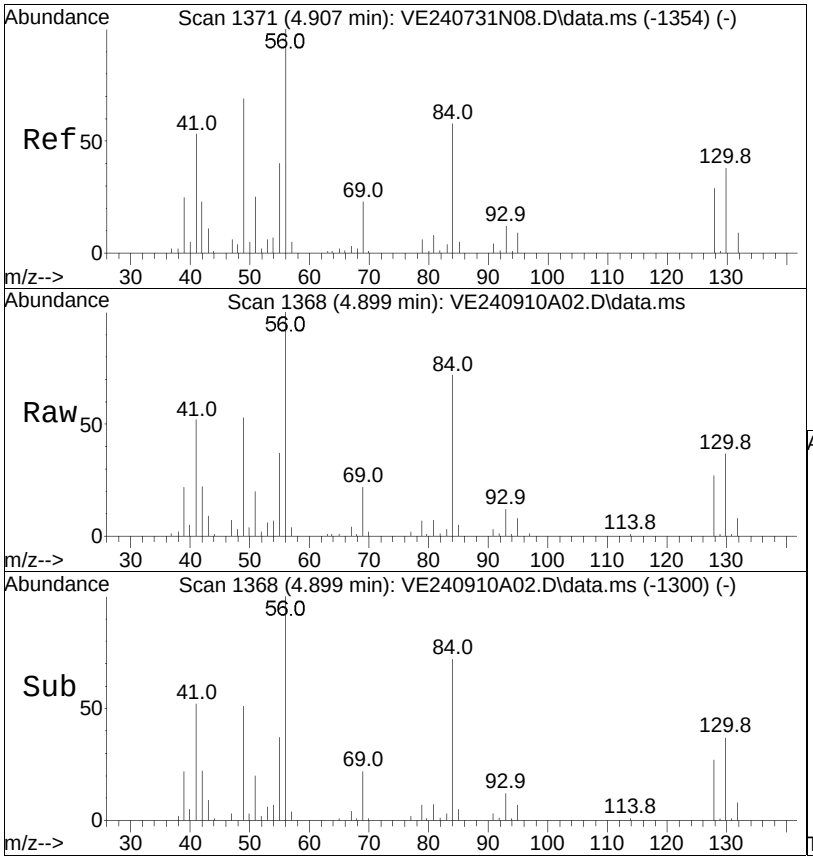


#31
2,2-Dichloropropane
Concen: 9.79 ug/L
RT: 4.810 min Scan# 1336
Delta R.T. -0.002 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 77 Resp: 78299

Ion	Ratio	Lower	Upper
77	100		
41	68.5	46.5	96.5
79	31.3	21.6	45.0

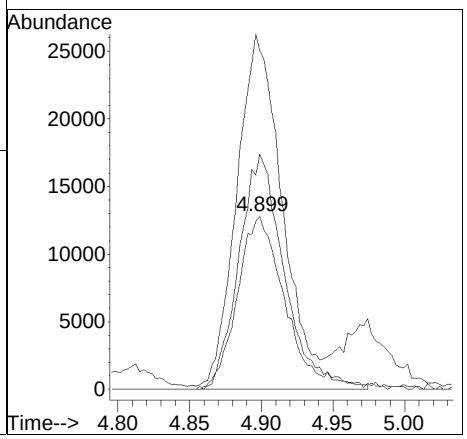


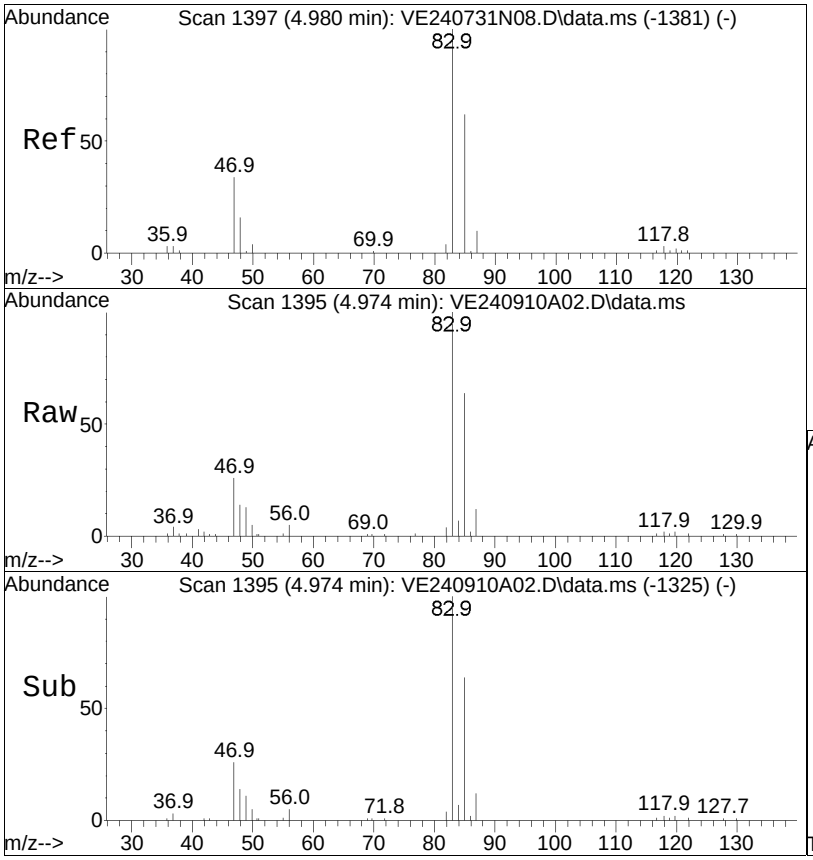


#33
Bromochloromethane
Concen: 11.08 ug/L
RT: 4.899 min Scan# 1368
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:128 Resp: 29647

Ion	Ratio	Lower	Upper
128	100		
49	192.0	170.2	255.2
130	129.4	103.7	155.5

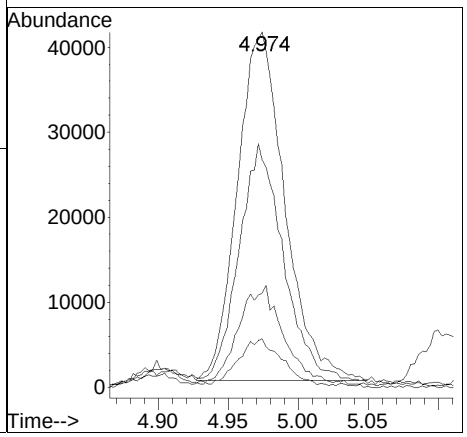


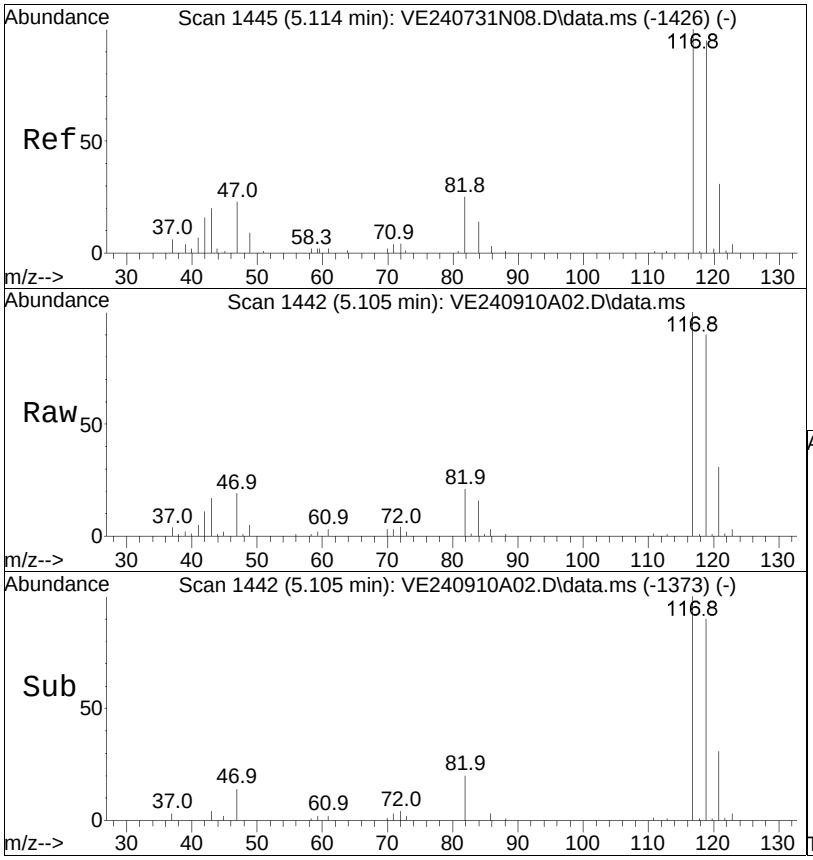


#35
Chloroform
Concen: 9.74 ug/L
RT: 4.974 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 83 Resp: 96429

Ion	Ratio	Lower	Upper
83	100		
85	67.6	41.3	85.9
47	26.7	20.9	43.3
48	12.5	10.3	21.5

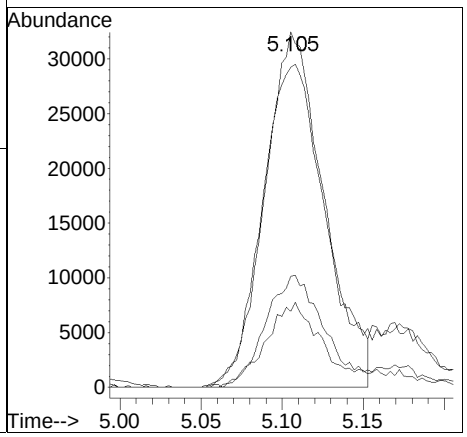


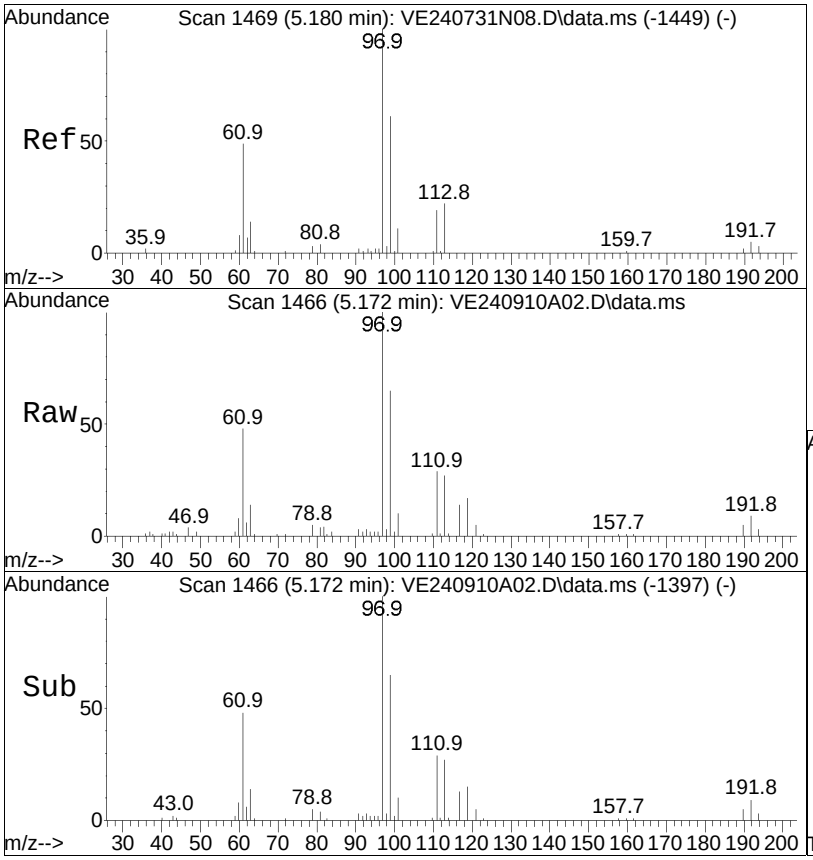


#37
Carbon tetrachloride
Concen: 11.04 ug/L
RT: 5.105 min Scan# 1442
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:117 Resp: 83518

Ion	Ratio	Lower	Upper
117	100		
119	95.6	60.6	126.0
121	31.2	18.0	37.4
82	22.8	19.8	41.0

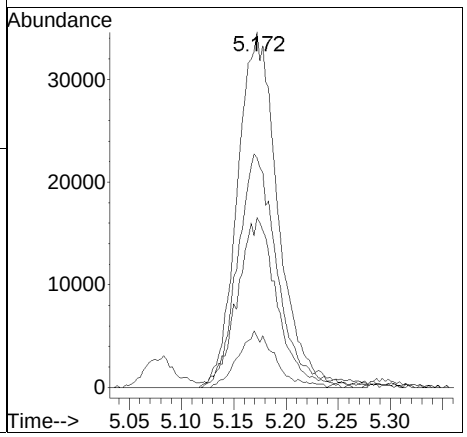


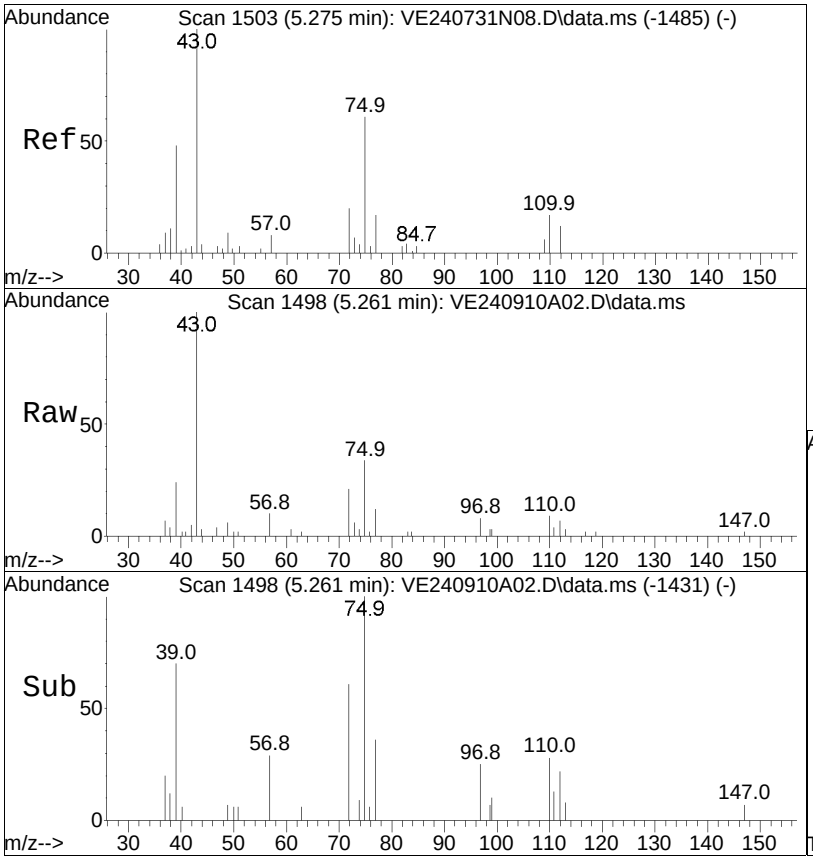


#40
1,1,1-Trichloroethane
Concen: 10.51 ug/L
RT: 5.172 min Scan# 1466
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 97 Resp: 94483

Ion	Ratio	Lower	Upper
97	100		
99	62.9	40.2	83.4
61	44.6	36.9	76.5
63	14.2	8.3	17.3

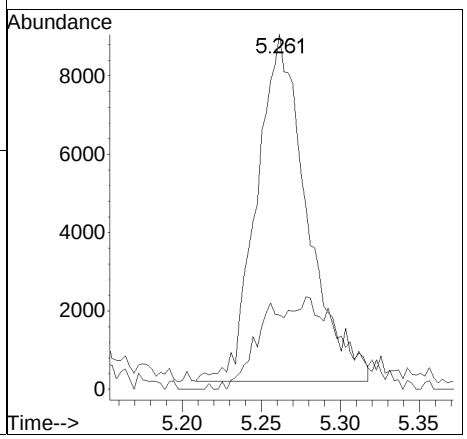


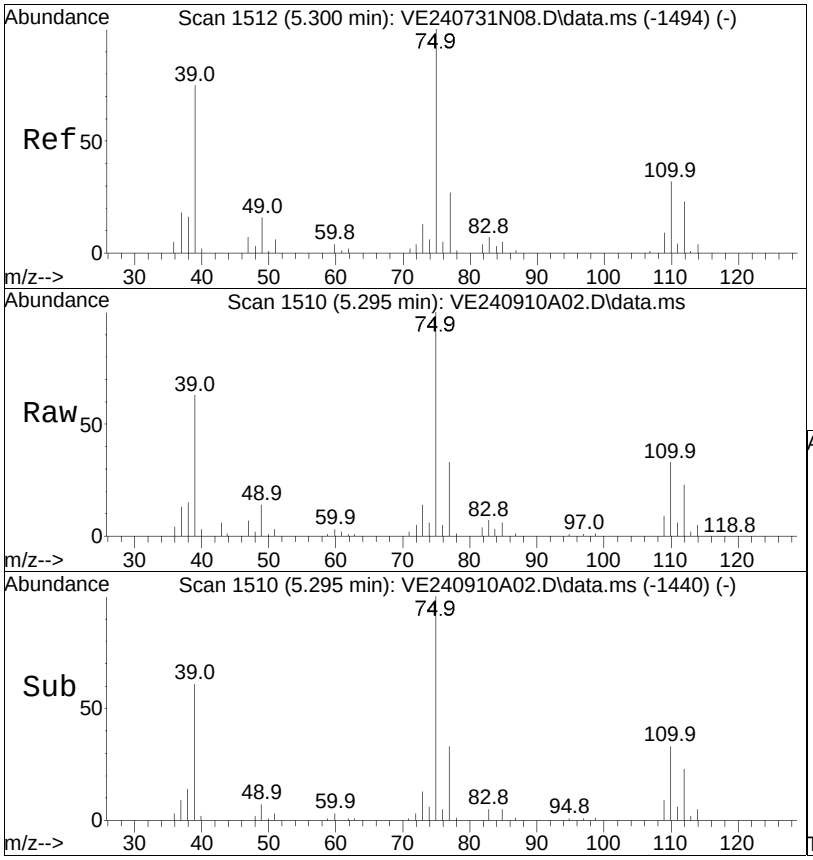


#42
2-Butanone
Concen: 6.34 ug/L
RT: 5.261 min Scan# 1498
Delta R.T. -0.014 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 43 Resp: 19638

Ion	Ratio	Lower	Upper
43	100		
72	14.0	15.7	23.5#

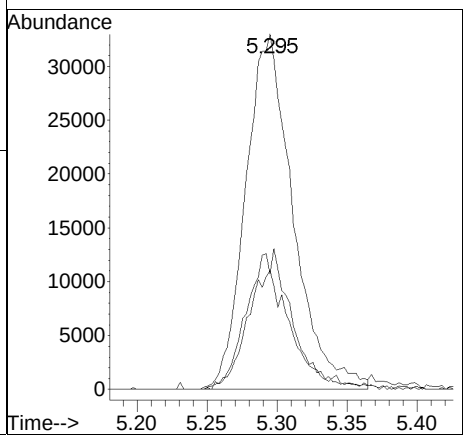


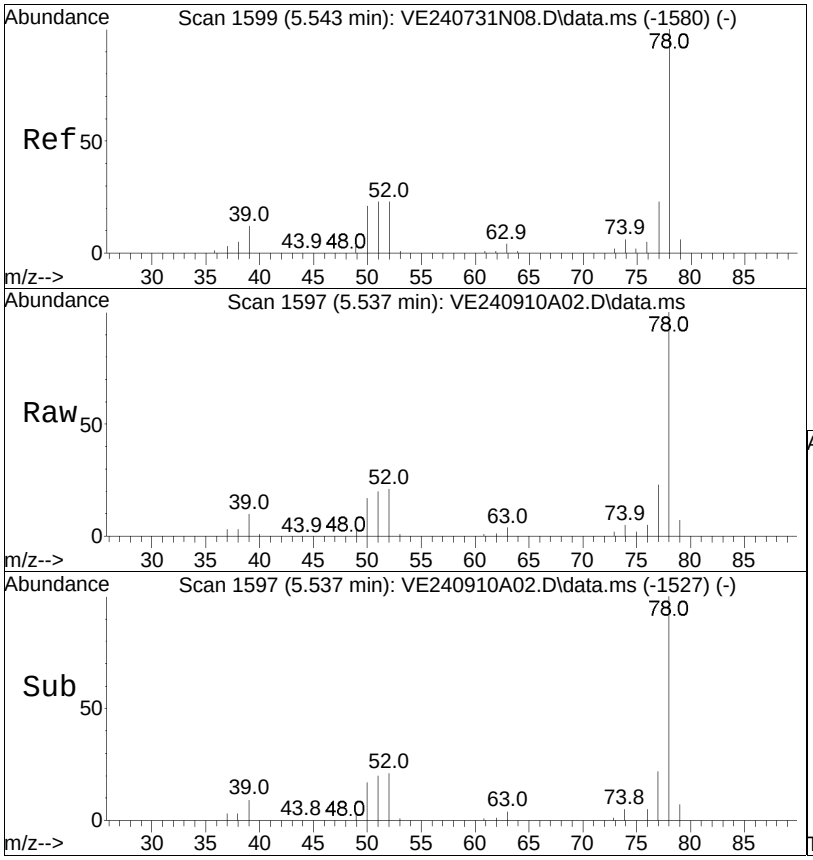


#43
1,1-Dichloropropene
Concen: 10.27 ug/L
RT: 5.295 min Scan# 1510
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 75 Resp: 77735

Ion	Ratio	Lower	Upper
75	100		
110	36.6	20.3	42.1
77	31.9	18.9	39.3

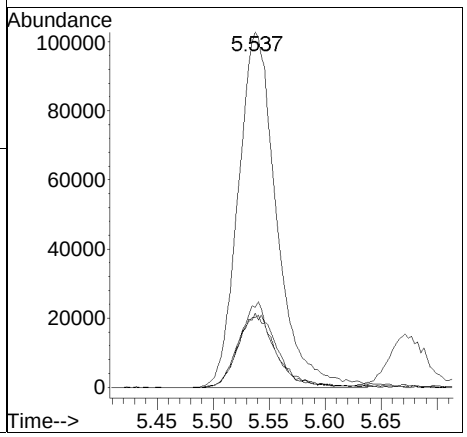


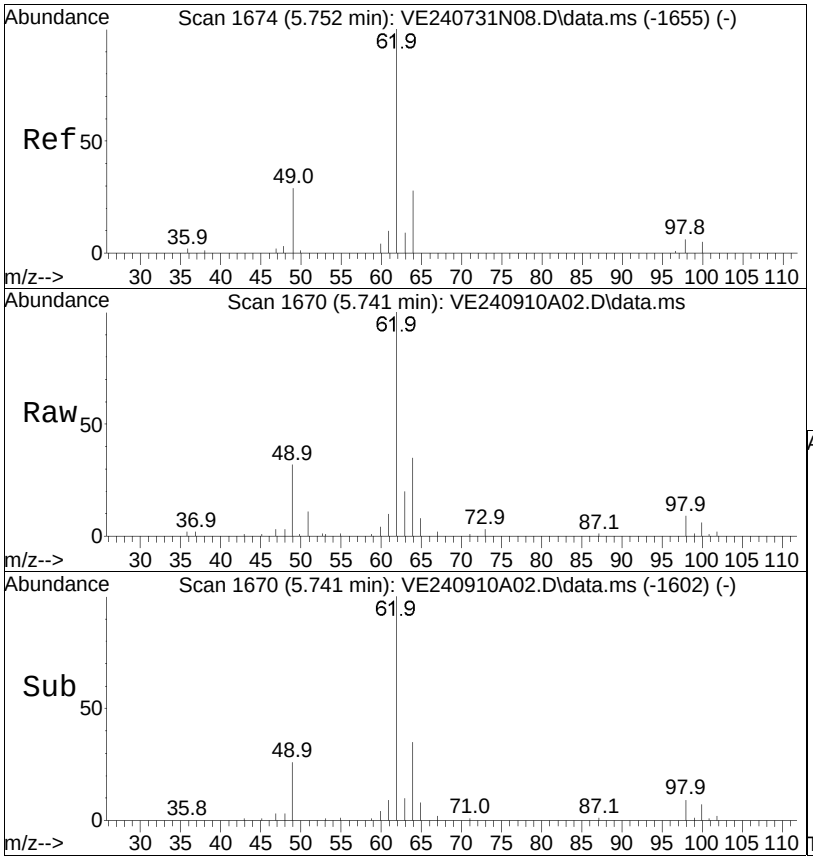


#45
Benzene
Concen: 10.44 ug/L
RT: 5.537 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 78 Resp: 244473

Ion	Ratio	Lower	Upper
78	100		
77	23.2	12.8	26.6
51	19.9	13.5	27.9
52	20.1	12.0	25.0

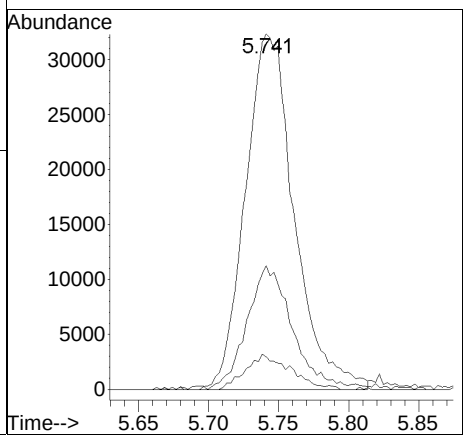


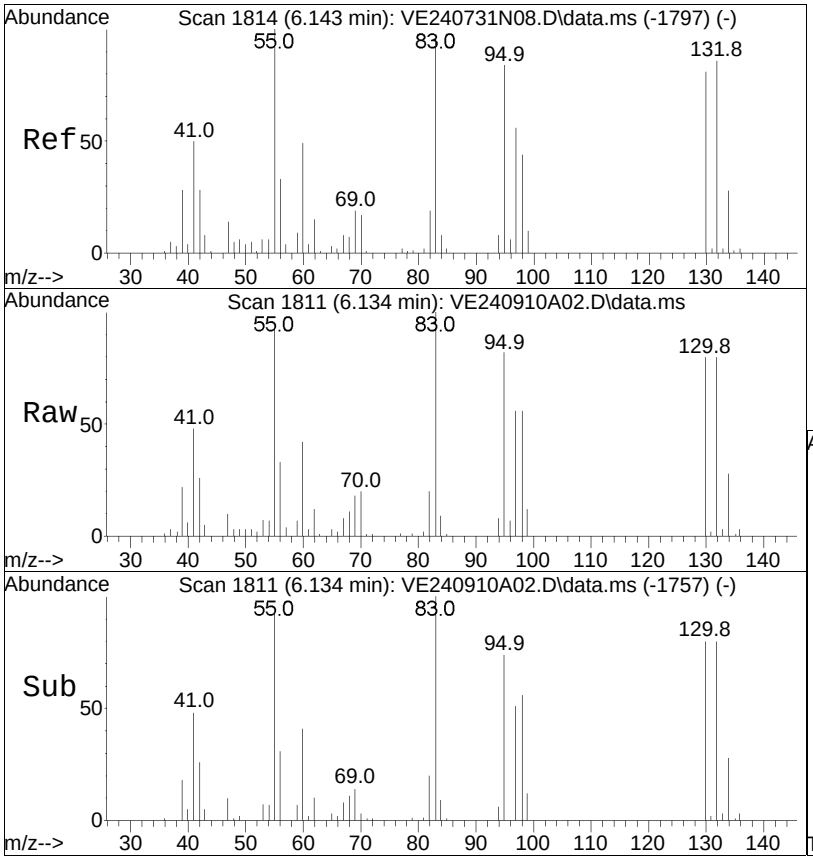


#48
1,2-Dichloroethane
Concen: 8.68 ug/L
RT: 5.741 min Scan# 1670
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 62 Resp: 78455

Ion	Ratio	Lower	Upper
62	100		
64	32.1	12.0	52.0
98	8.9	0.0	29.1

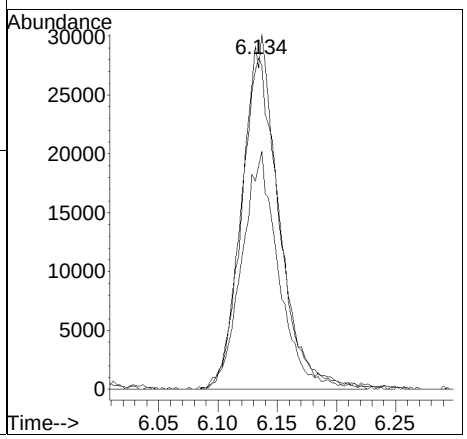


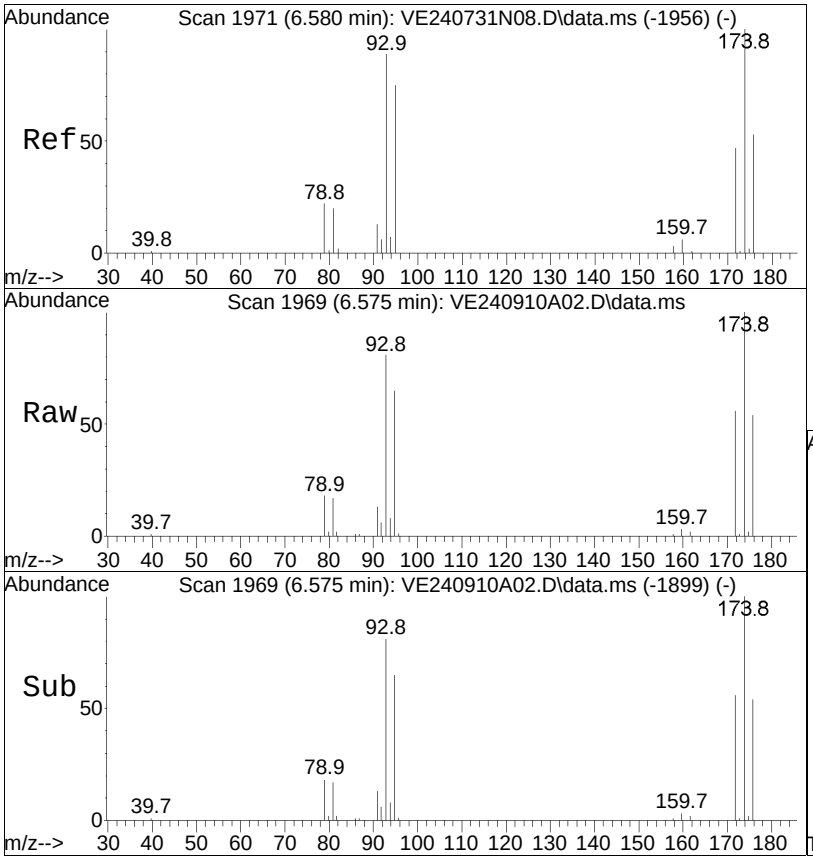


#52
Trichloroethene
Concen: 10.74 ug/L
RT: 6.134 min Scan# 1811
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 95 Resp: 63269

Ion	Ratio	Lower	Upper
95	100		
97	69.3	50.2	75.2
130	102.3	78.2	117.4

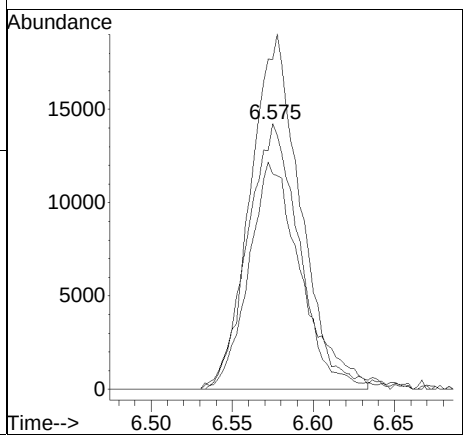


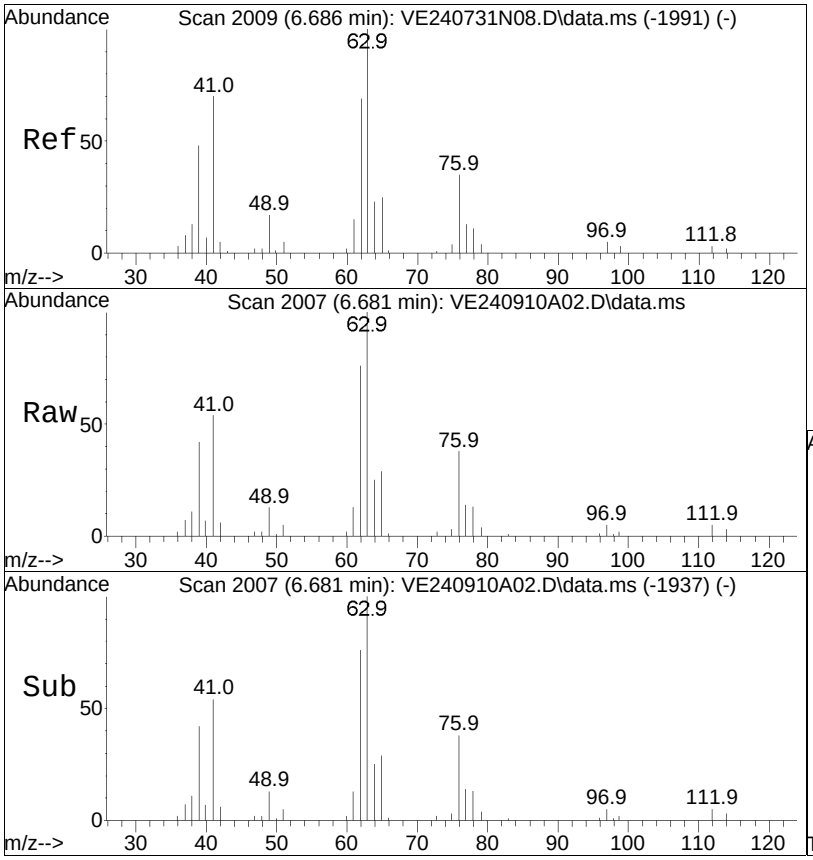


#54
Dibromomethane
Concen: 9.42 ug/L
RT: 6.575 min Scan# 1969
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 93 Resp: 31956

Ion	Ratio	Lower	Upper
93	100		
95	82.9	73.2	109.8
174	129.6	73.8	110.8#

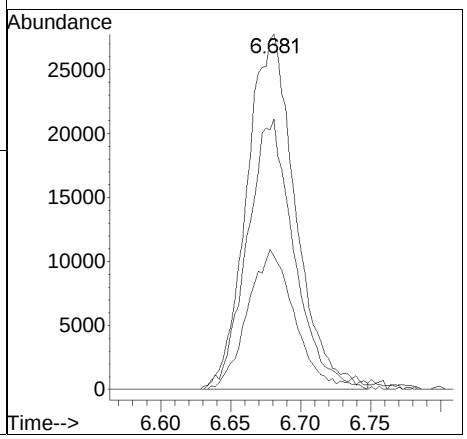


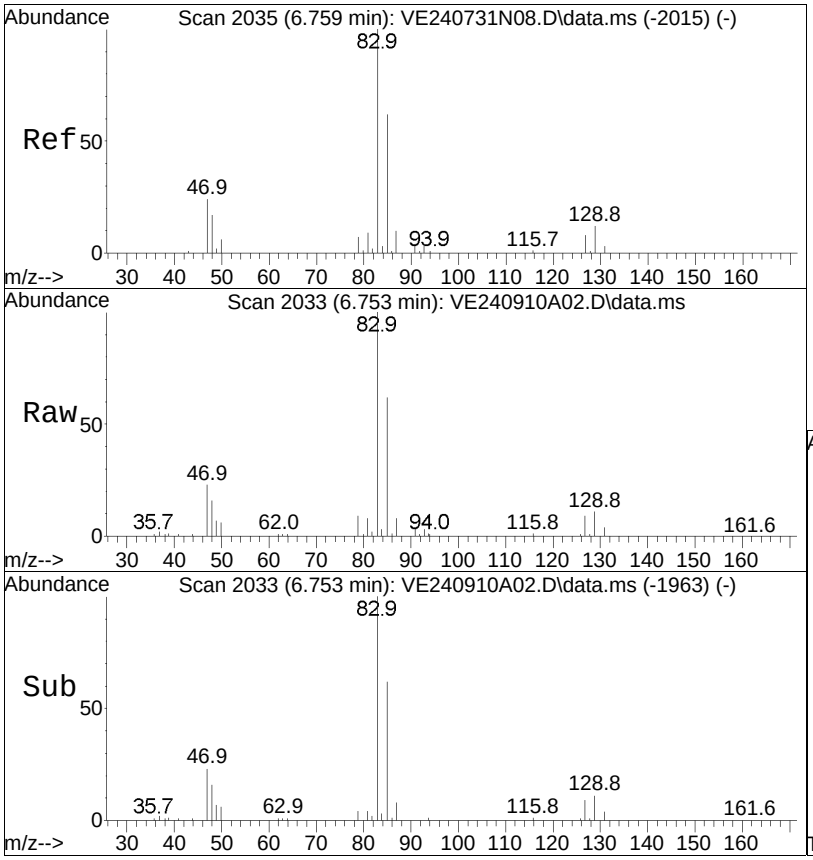


#55
1,2-Dichloropropane
Concen: 9.57 ug/L
RT: 6.681 min Scan# 2007
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 63 Resp: 67657

Ion	Ratio	Lower	Upper
63	100		
62	73.1	58.4	87.6
76	38.0	28.7	43.1

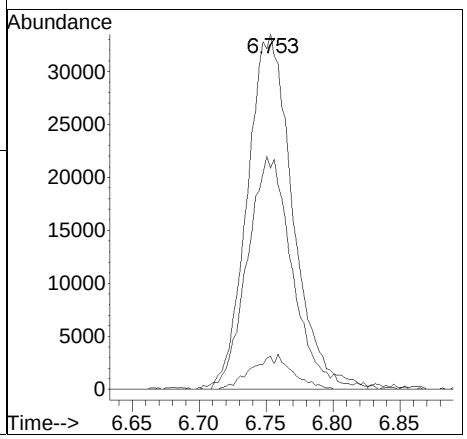


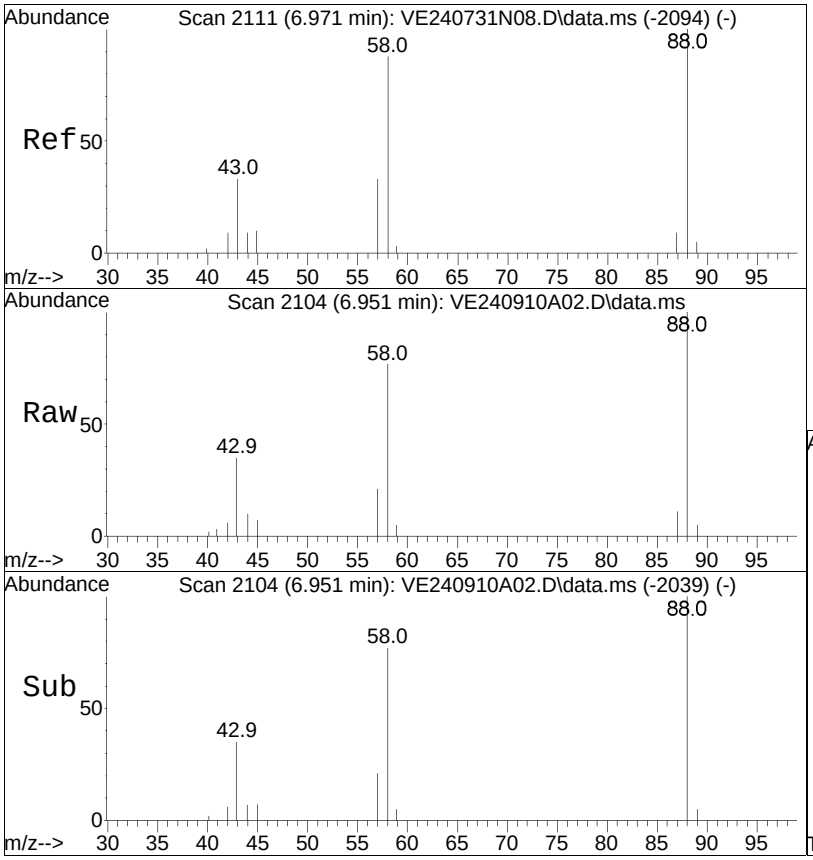


#58
Bromodichloromethane
Concen: 9.48 ug/L
RT: 6.753 min Scan# 2033
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 83 Resp: 79434

Ion	Ratio	Lower	Upper
83	100		
85	64.5	46.6	69.8
127	5.0	6.2	9.4#

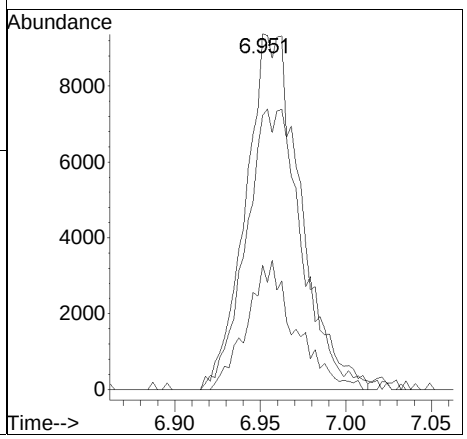


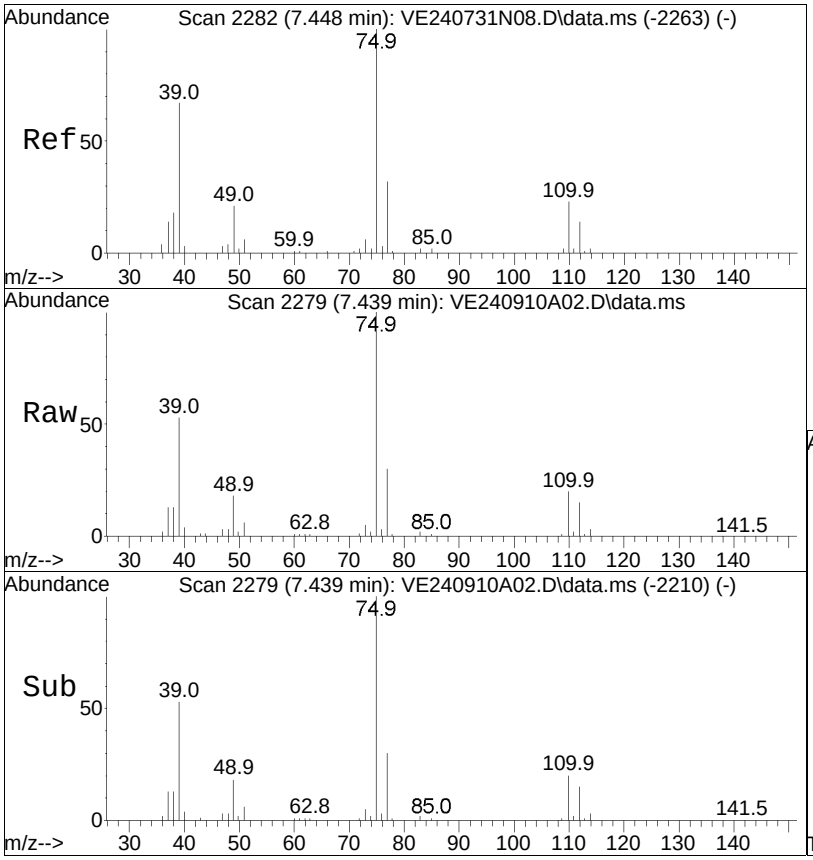


#61
1,4-Dioxane
Concen: 368.59 ug/L
RT: 6.951 min Scan# 2104
Delta R.T. -0.020 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 88 Resp: 20916

Ion	Ratio	Lower	Upper
88	100		
58	40.0	62.8	94.2#
43	31.9	36.6	55.0#

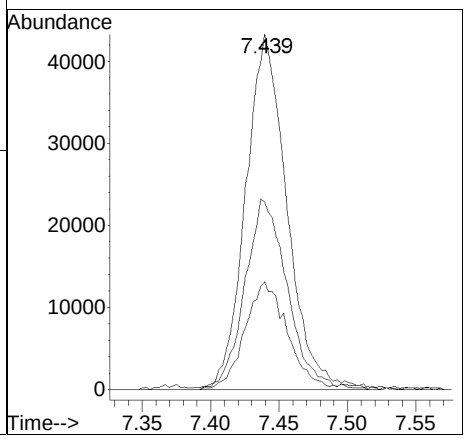


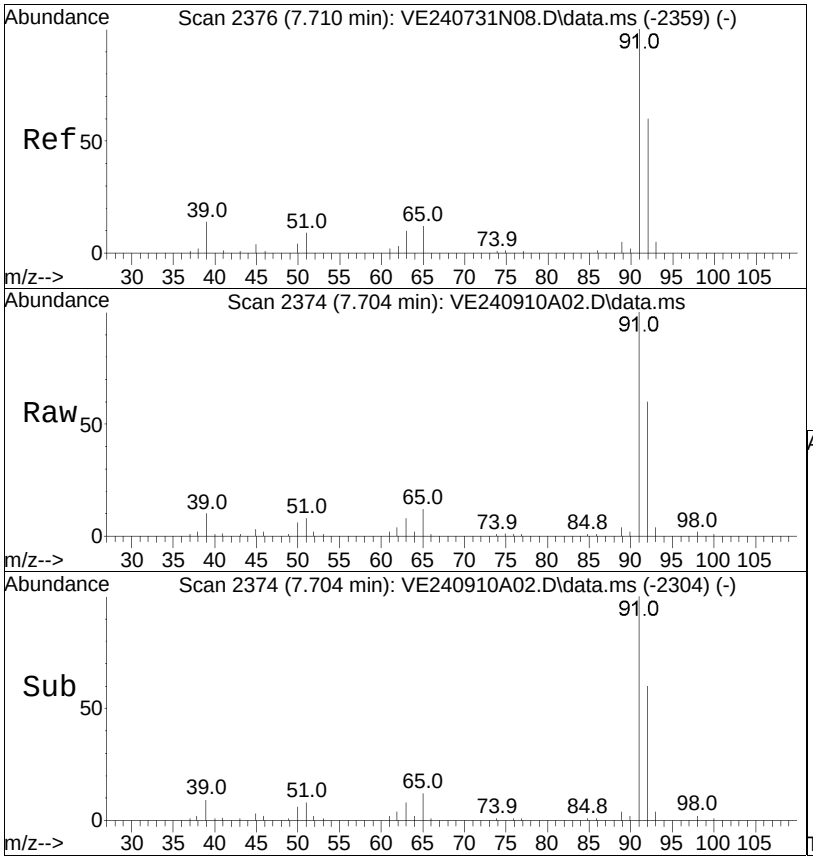


#62
cis-1,3-Dichloropropene
Concen: 9.62 ug/L
RT: 7.439 min Scan# 2279
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 75 Resp: 90730

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.1	37.7
39	54.1	50.7	76.1

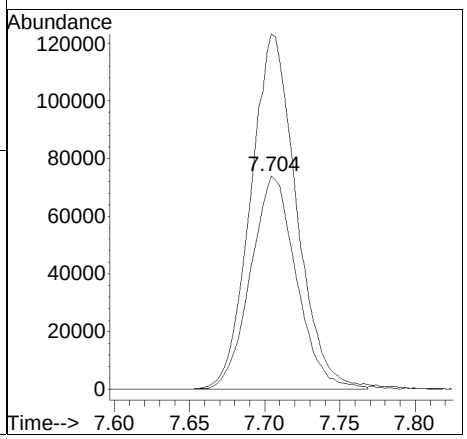


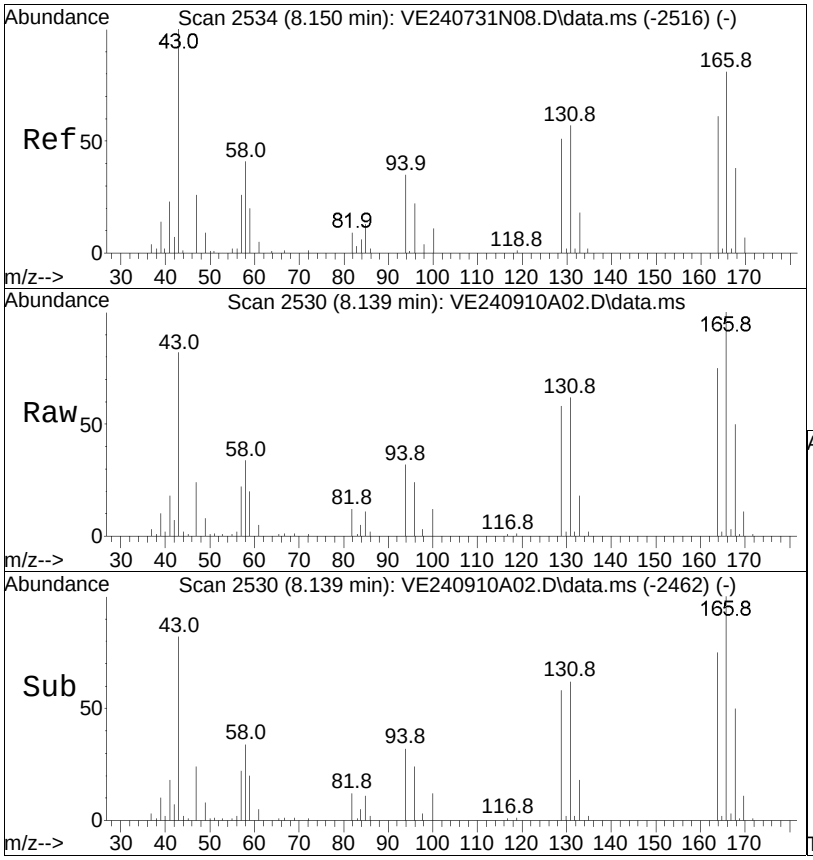


#65
Toluene
Concen: 10.29 ug/L
RT: 7.704 min Scan# 2374
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 92 Resp: 156755

Ion	Ratio	Lower	Upper
92	100		
91	167.8	129.1	193.7

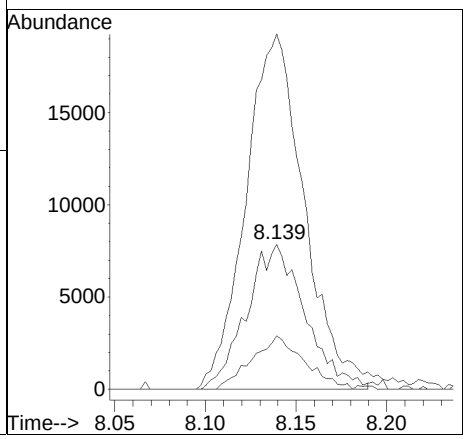


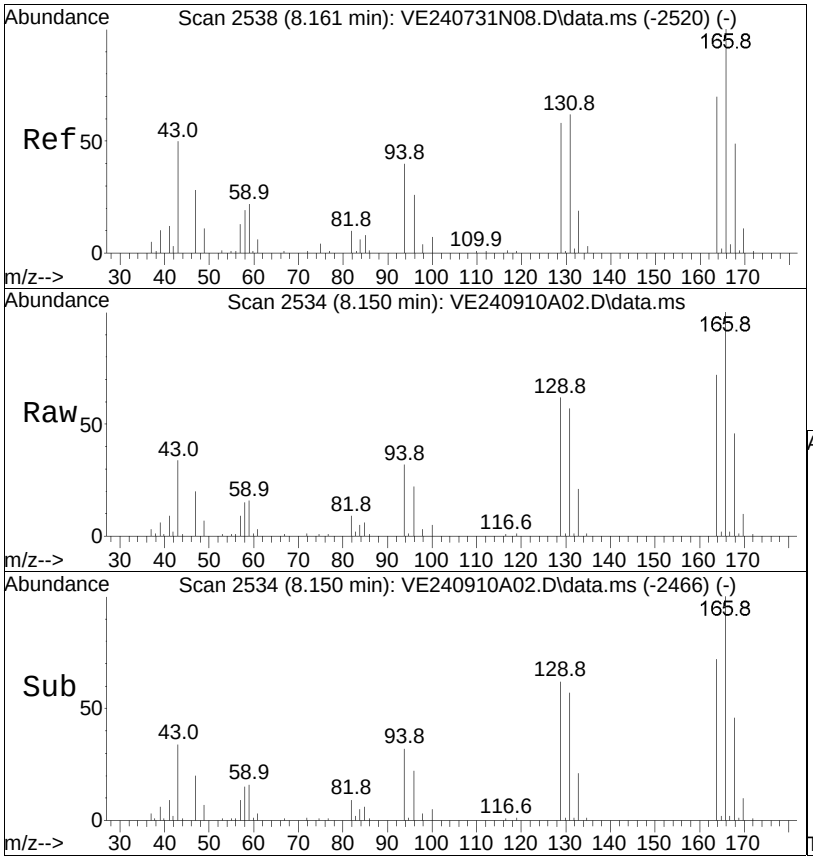


#66
4-Methyl-2-pentanone
Concen: 6.80 ug/L
RT: 8.139 min Scan# 2530
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 58 Resp: 17662

Ion	Ratio	Lower	Upper
58	100		
100	33.1	27.9	41.9
43	246.8	225.7	338.5

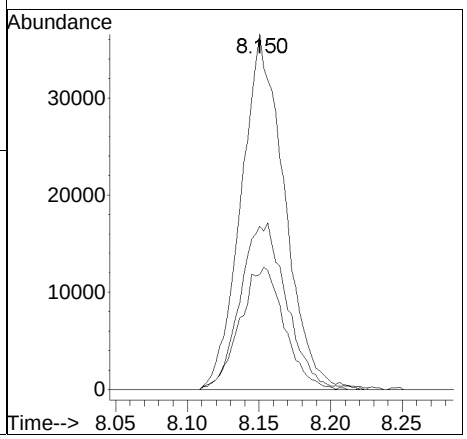


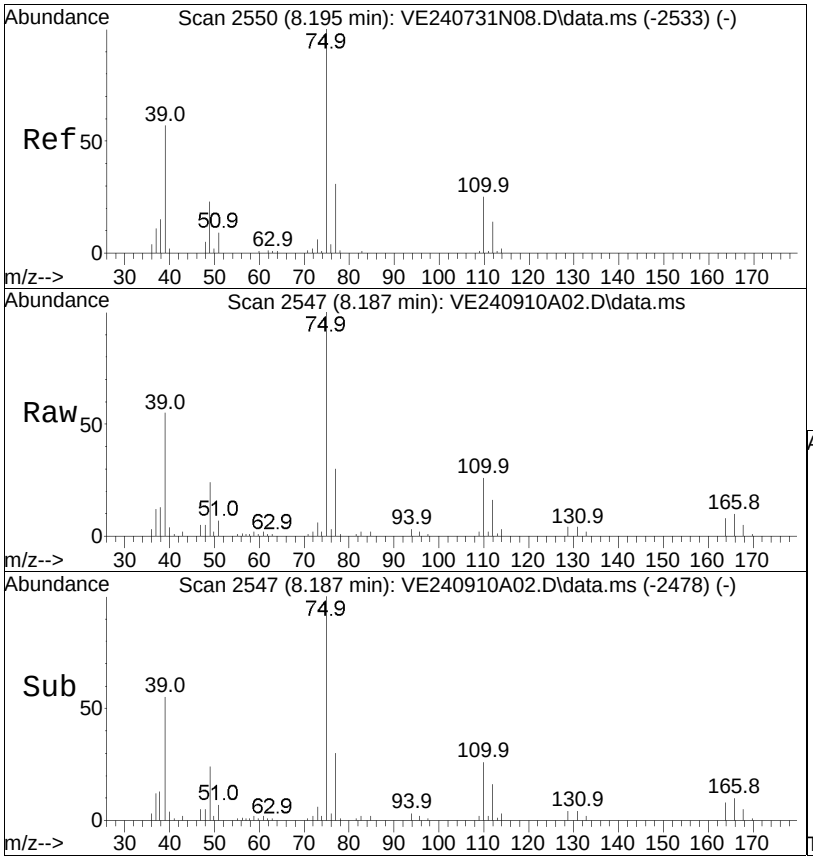


#67
Tetrachloroethene
Concen: 11.88 ug/L
RT: 8.150 min Scan# 2534
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:166 Resp: 76885

Ion	Ratio	Lower	Upper
166	100		
168	49.7	25.8	65.8
94	35.3	24.3	64.3

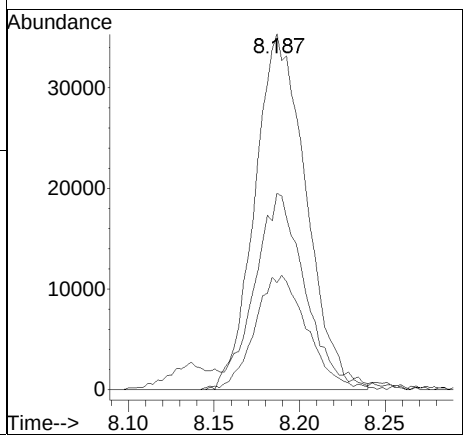


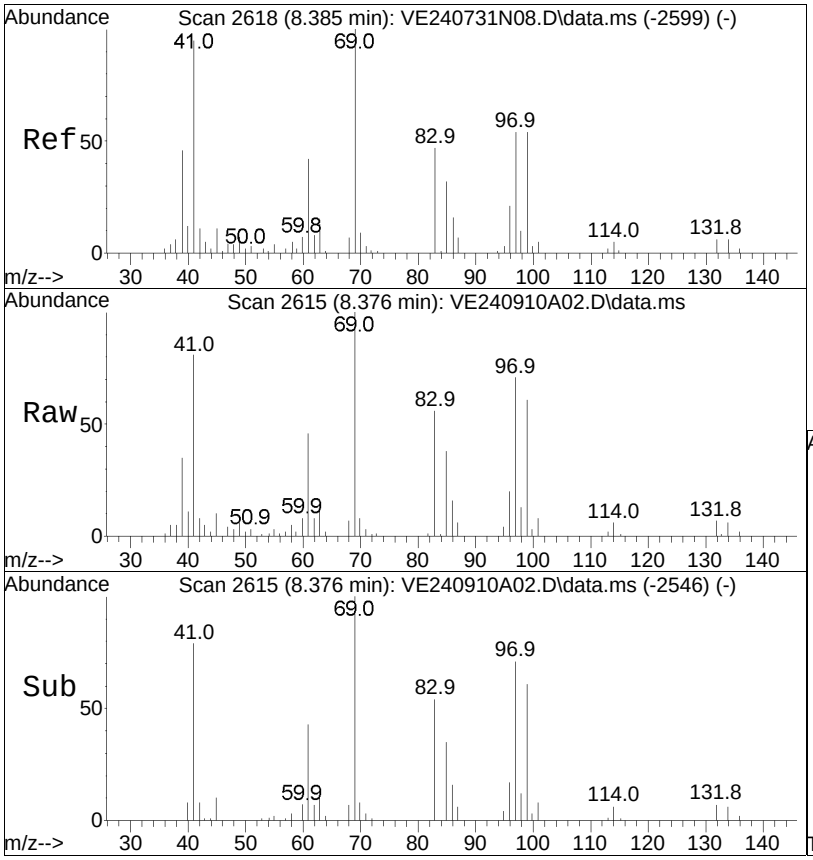


#69
trans-1,3-Dichloropropene
Concen: 8.58 ug/L
RT: 8.187 min Scan# 2547
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 75 Resp: 73586

Ion	Ratio	Lower	Upper
75	100		
77	32.8	10.2	50.2
39	51.6	45.7	85.7

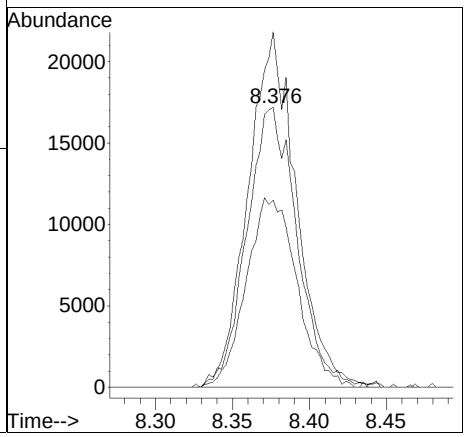


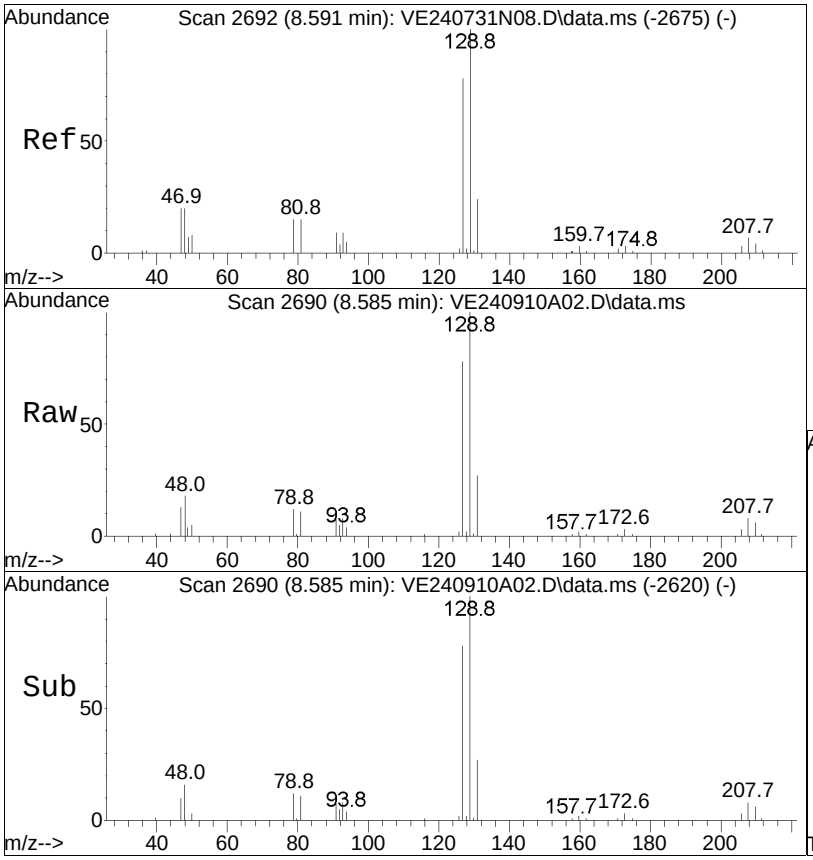


#72
1,1,2-Trichloroethane
Concen: 9.09 ug/L
RT: 8.376 min Scan# 2615
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 83 Resp: 38873

Ion	Ratio	Lower	Upper
83	100		
97	122.4	99.2	139.2
85	68.8	48.7	88.7

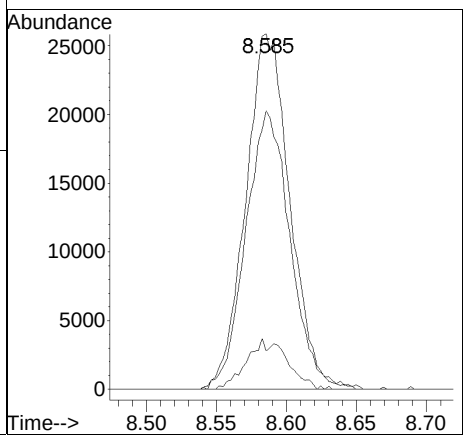


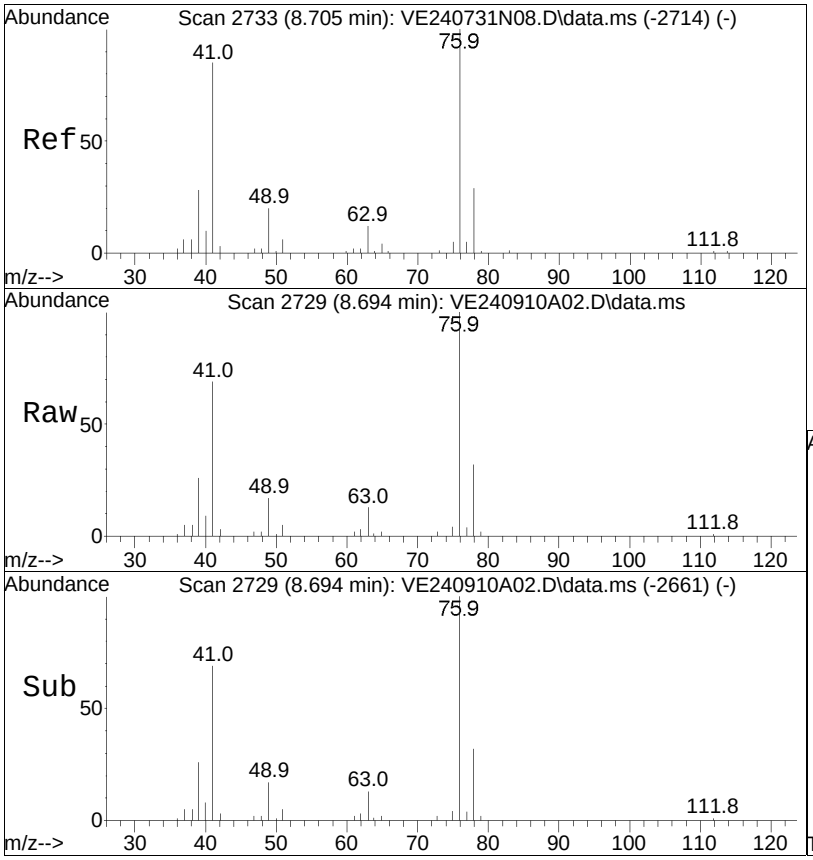


#73
Chlorodibromomethane
Concen: 9.54 ug/L
RT: 8.585 min Scan# 2690
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:129 Resp: 57029

Ion	Ratio	Lower	Upper
129	100		
81	7.5	0.0	39.5
127	78.2	58.6	98.6

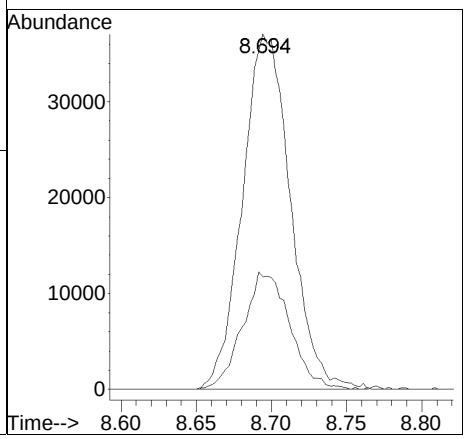


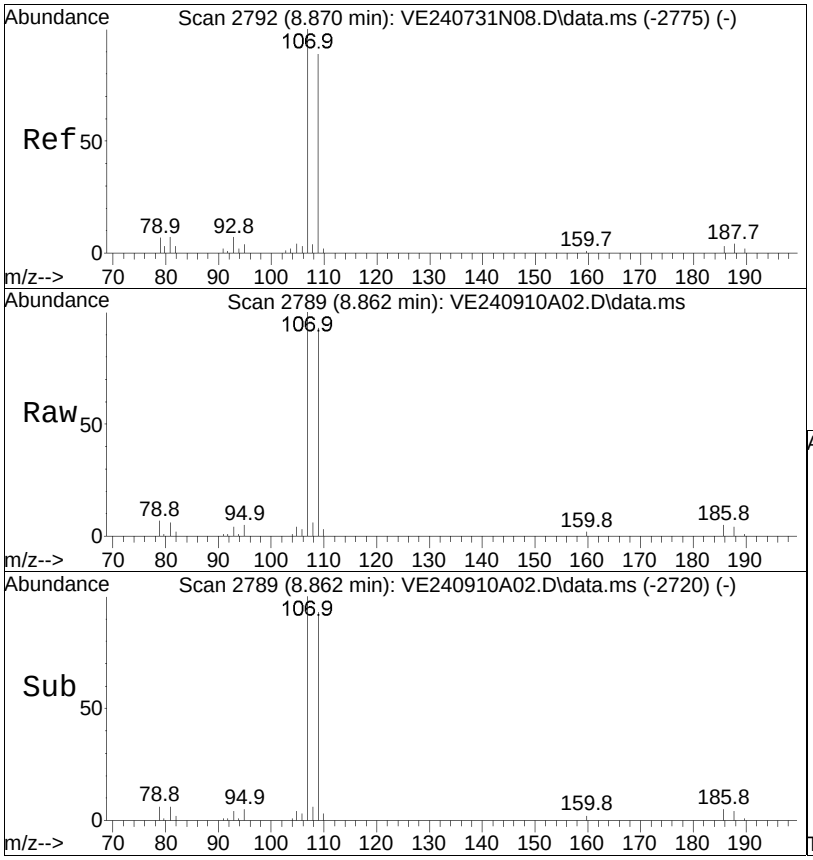


#74
1,3-Dichloropropane
Concen: 9.12 ug/L
RT: 8.694 min Scan# 2729
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 76 Resp: 82323

Ion	Ratio	Lower	Upper
76	100		
78	32.4	27.0	40.4

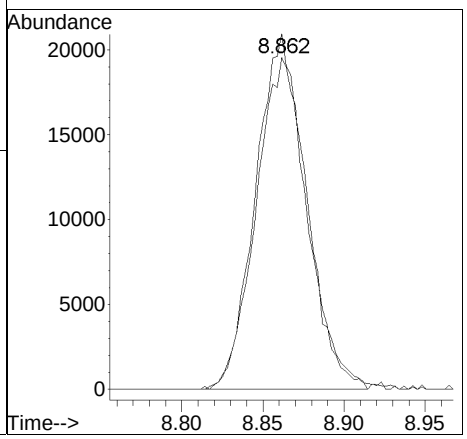


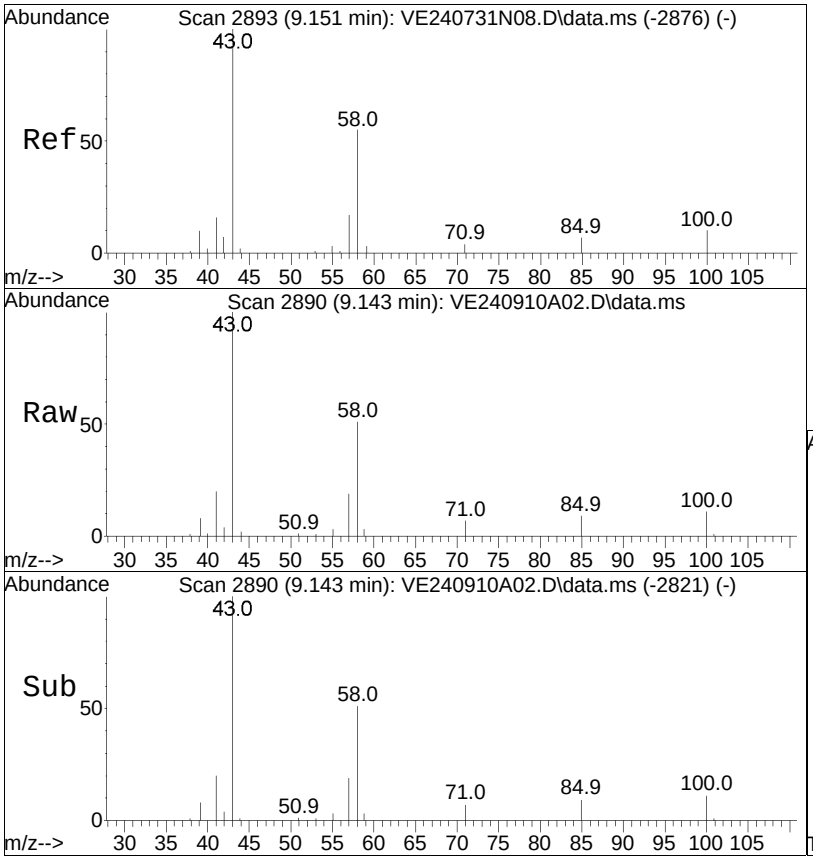


#75
1,2-Dibromoethane
Concen: 9.06 ug/L
RT: 8.862 min Scan# 2789
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:107 Resp: 45776

Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.3	99.5

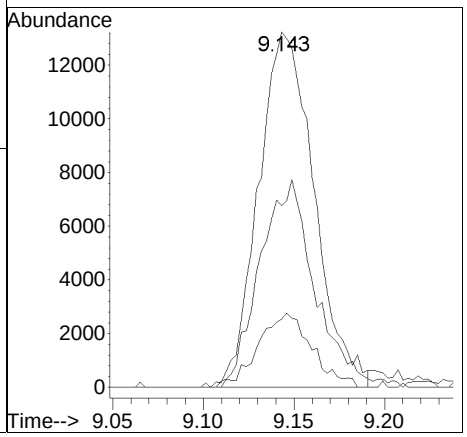


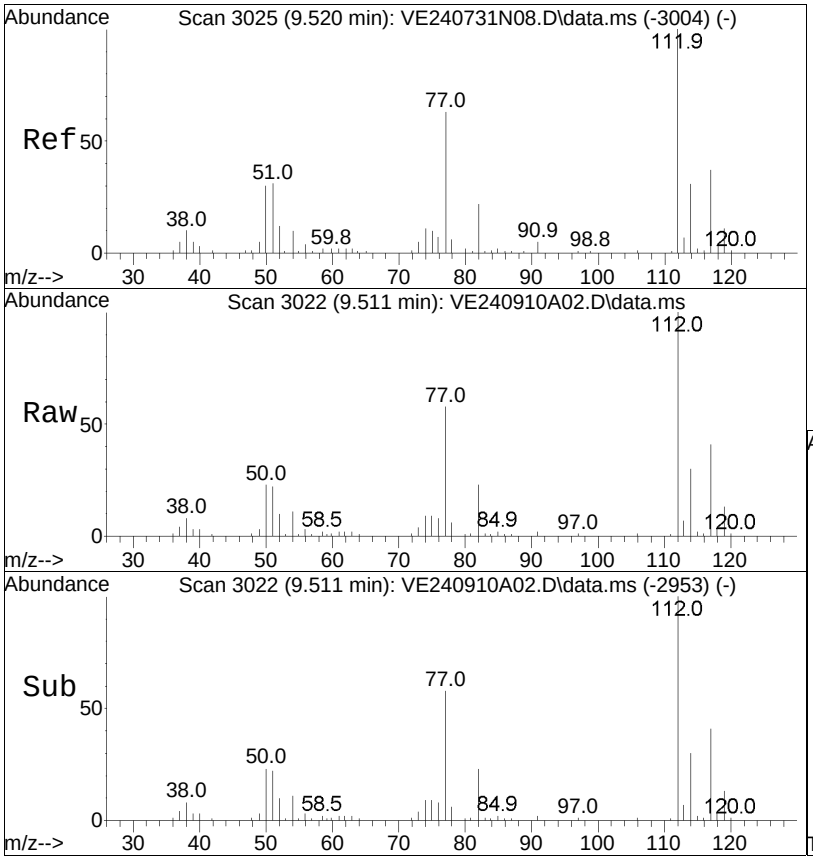


#77
2-Hexanone
Concen: 5.59 ug/L
RT: 9.143 min Scan# 2890
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 43 Resp: 28282

Ion	Ratio	Lower	Upper
43	100		
58	57.2	42.5	63.7
57	20.1	13.9	20.9

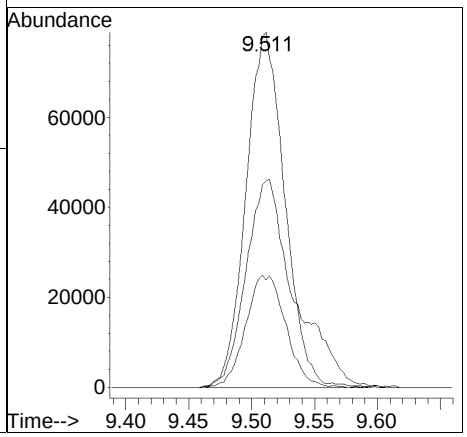


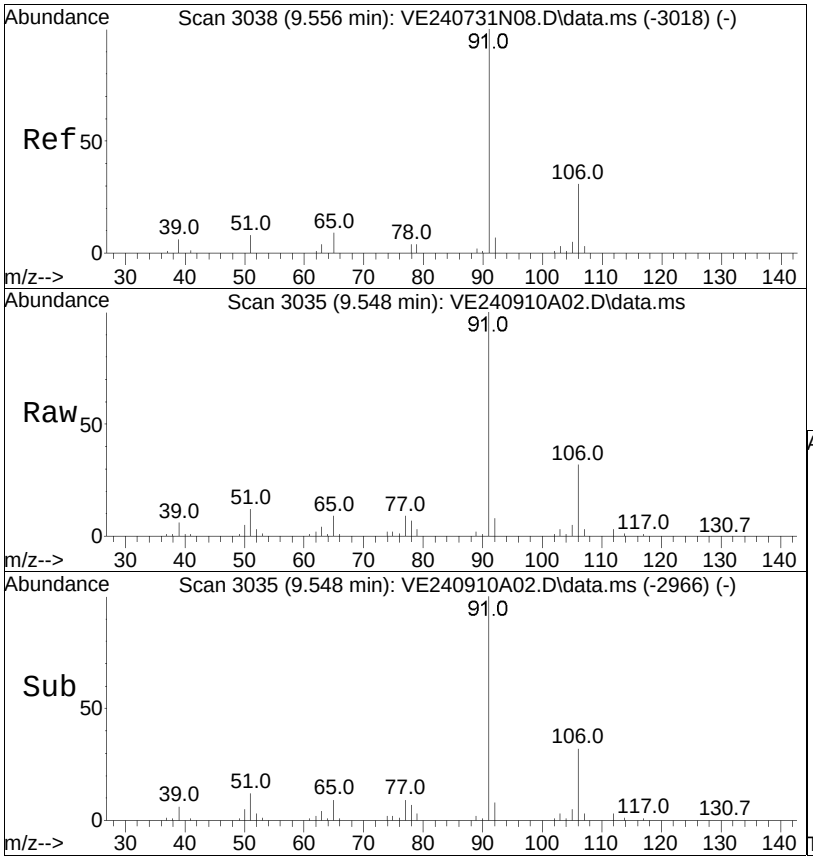


#78
Chlorobenzene
Concen: 10.41 ug/L
RT: 9.511 min Scan# 3022
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:112 Resp: 168963

Ion	Ratio	Lower	Upper
112	100		
77	73.7	46.9	70.3#
114	32.6	23.8	35.6

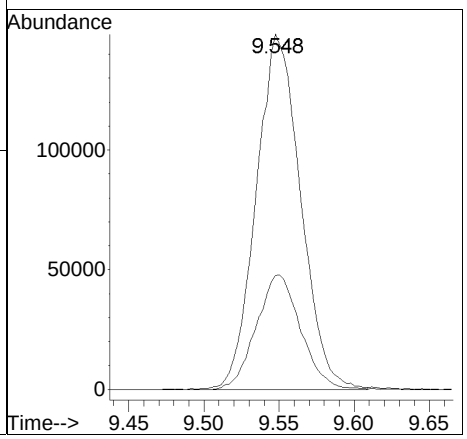


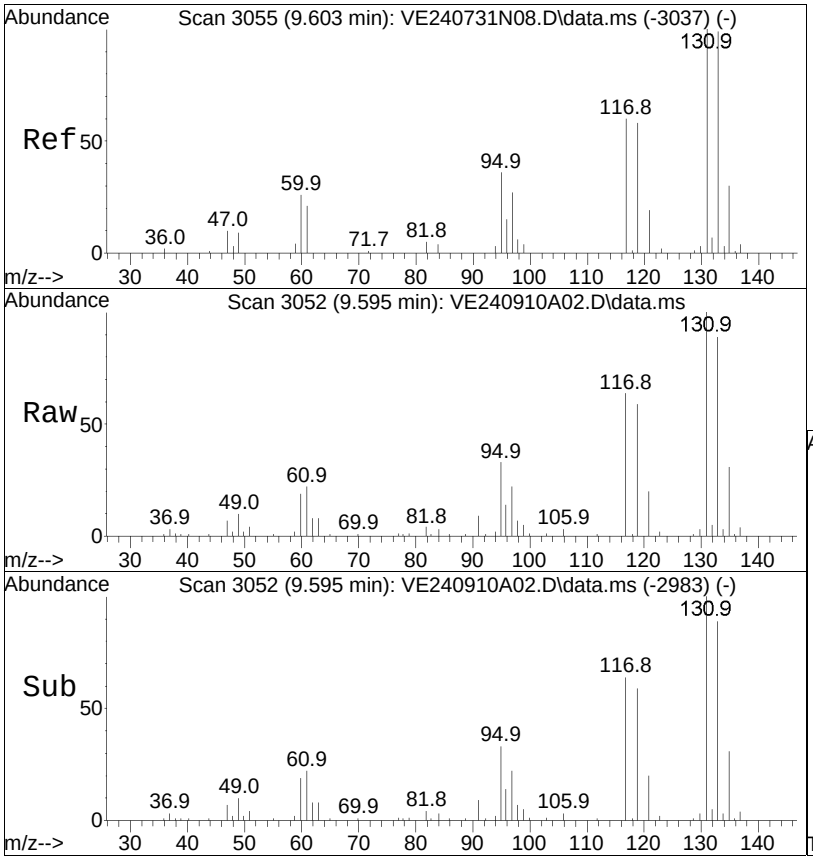


#79
Ethylbenzene
Concen: 10.33 ug/L
RT: 9.548 min Scan# 3035
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 91 Resp: 304891

Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.3	37.9

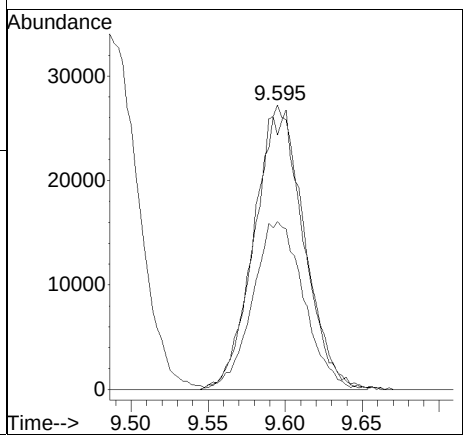


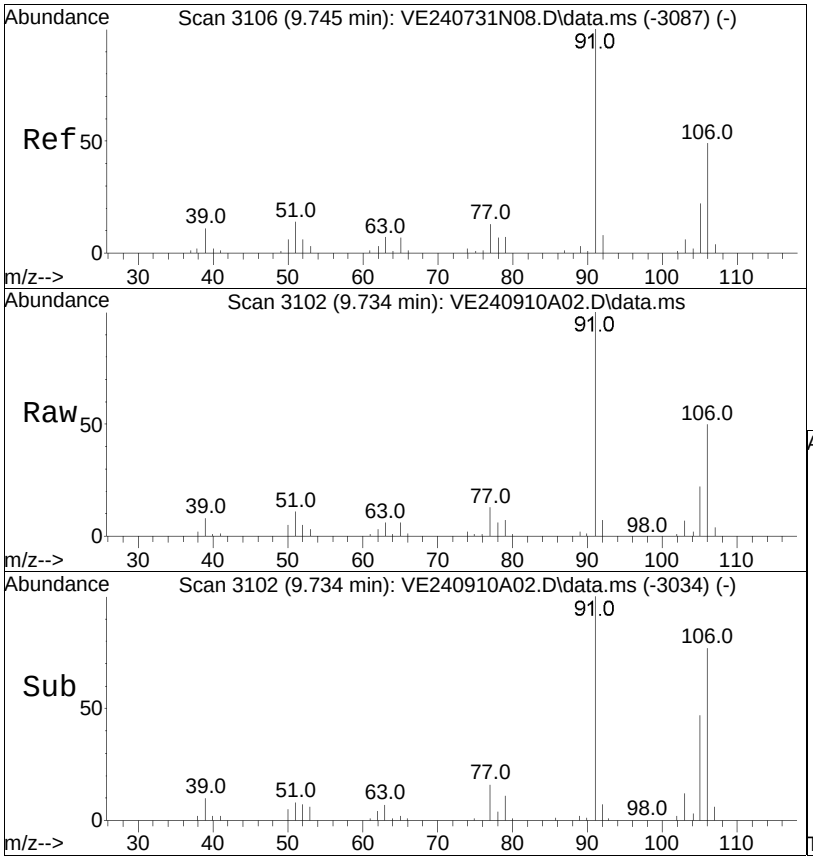


#80
1,1,1,2-Tetrachloroethane
Concen: 10.37 ug/L
RT: 9.595 min Scan# 3052
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:131 Resp: 61674

Ion	Ratio	Lower	Upper
131	100		
133	97.5	72.9	112.9
119	60.6	39.6	79.6

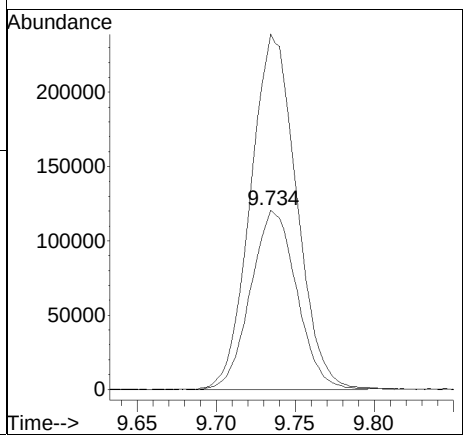


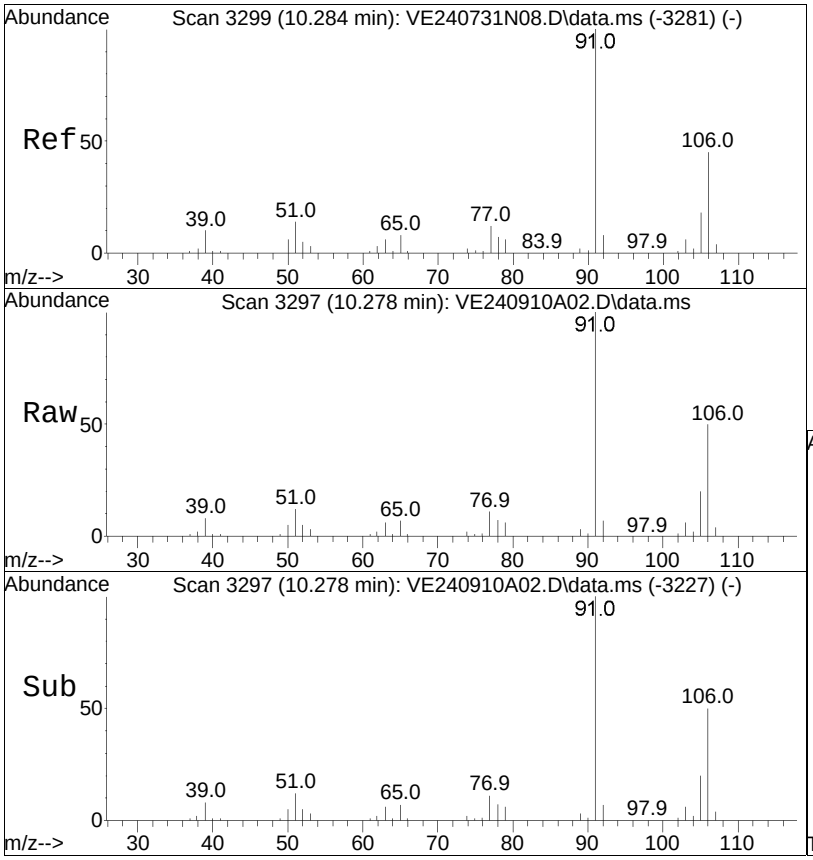


#81
p/m Xylene
Concen: 21.71 ug/L
RT: 9.734 min Scan# 3102
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:106 Resp: 244285

Ion	Ratio	Lower	Upper
106	100		
91	198.6	163.3	244.9

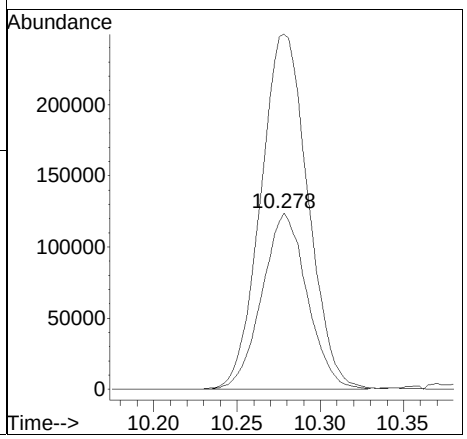


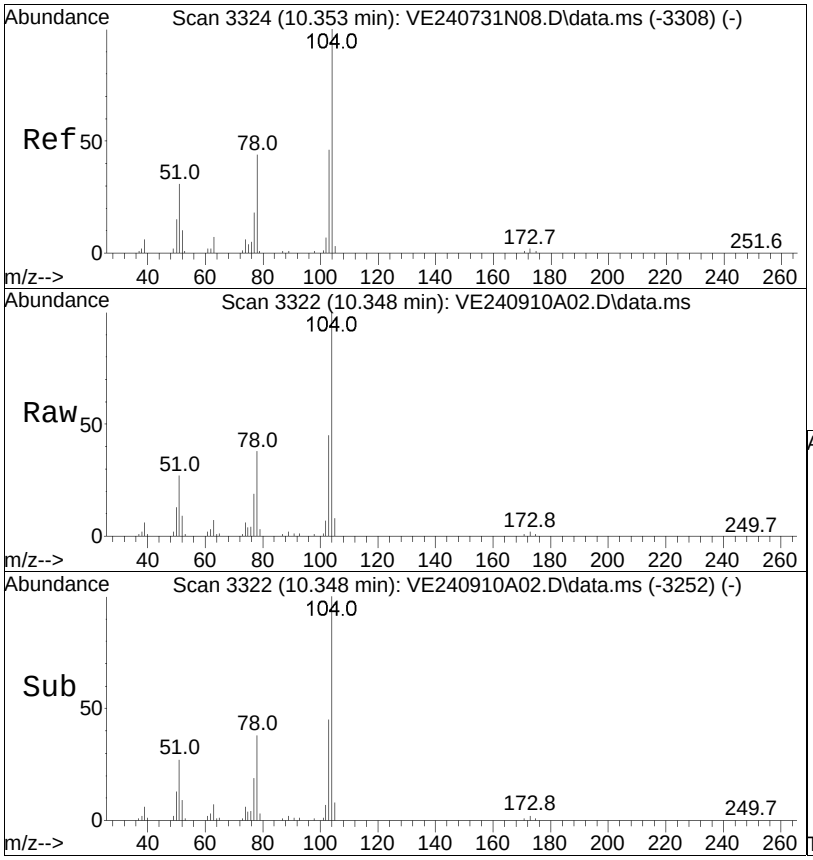


#82
o Xylene
Concen: 21.23 ug/L
RT: 10.278 min Scan# 3297
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:106 Resp: 233647

Ion	Ratio	Lower	Upper
106	100		
91	211.0	181.0	271.6

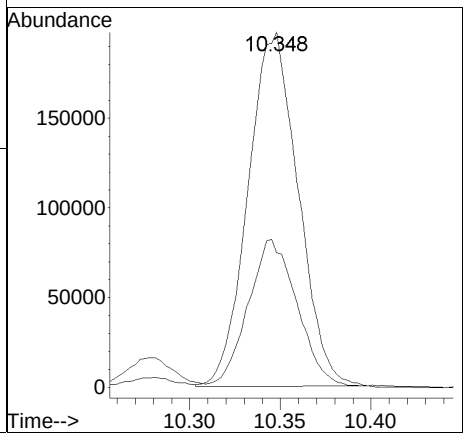


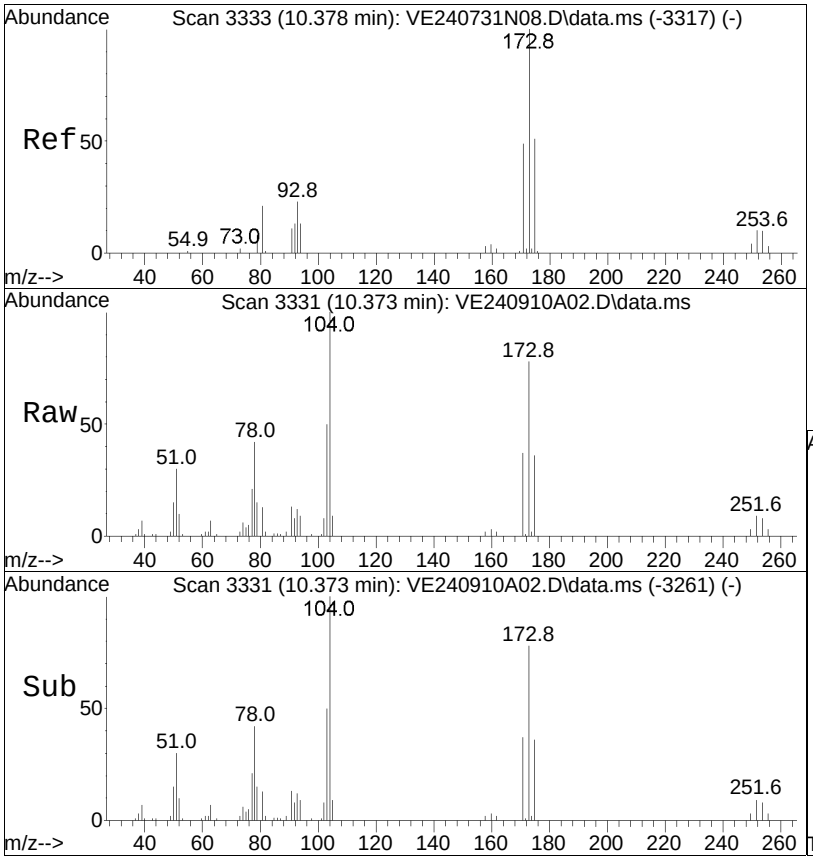


#83
Styrene
Concen: 21.02 ug/L
RT: 10.348 min Scan# 3322
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:104 Resp: 379280

Ion	Ratio	Lower	Upper
104	100		
78	41.0	35.9	53.9

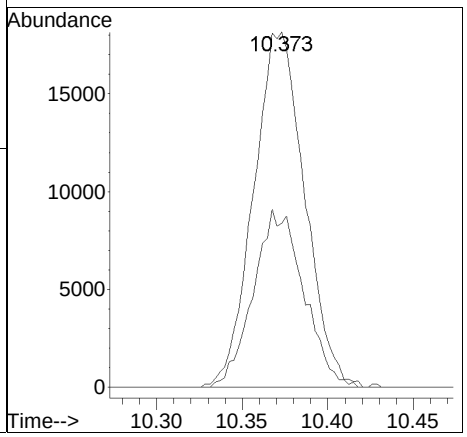


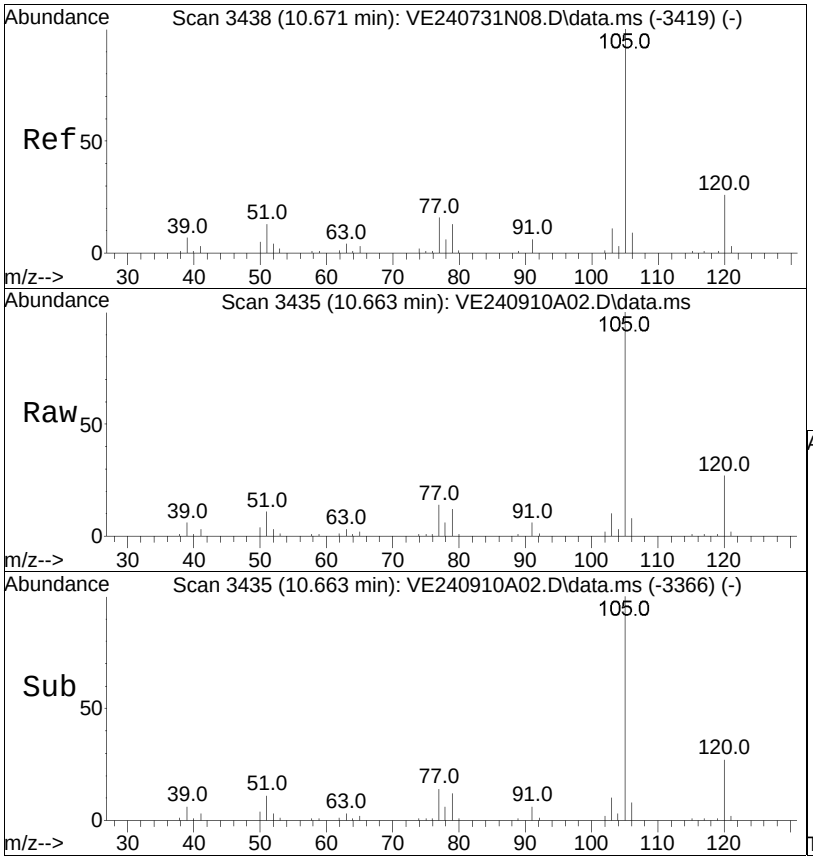


#85
Bromoform
Concen: 8.89 ug/L
RT: 10.373 min Scan# 3331
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:173 Resp: 37745

Ion	Ratio	Lower	Upper
173	100		
175	49.1	32.9	72.9

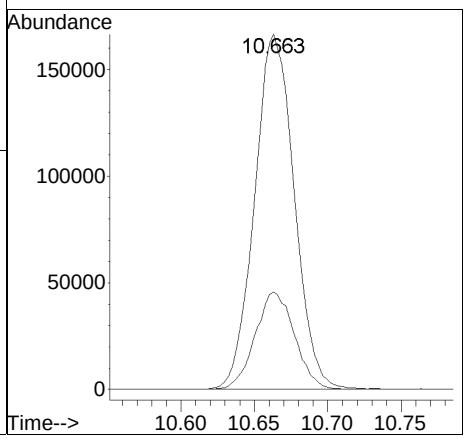


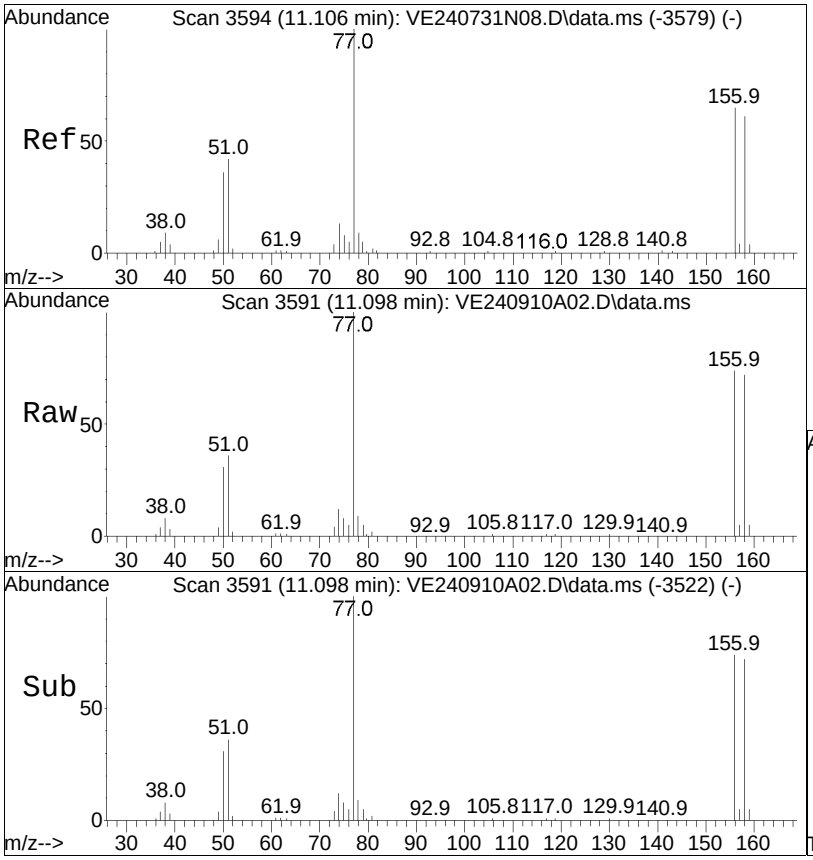


#87
Isopropylbenzene
Concen: 10.02 ug/L
RT: 10.663 min Scan# 3435
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:105 Resp: 313117

Ion	Ratio	Lower	Upper
105	100		
120	27.2	4.8	44.8

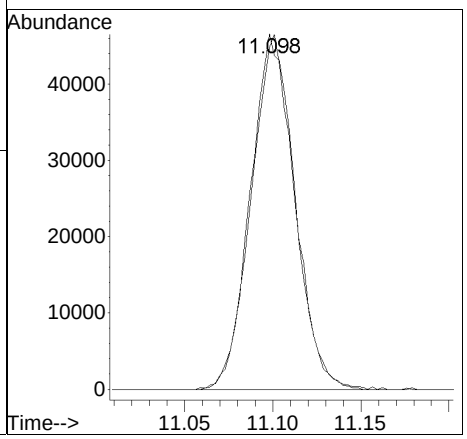


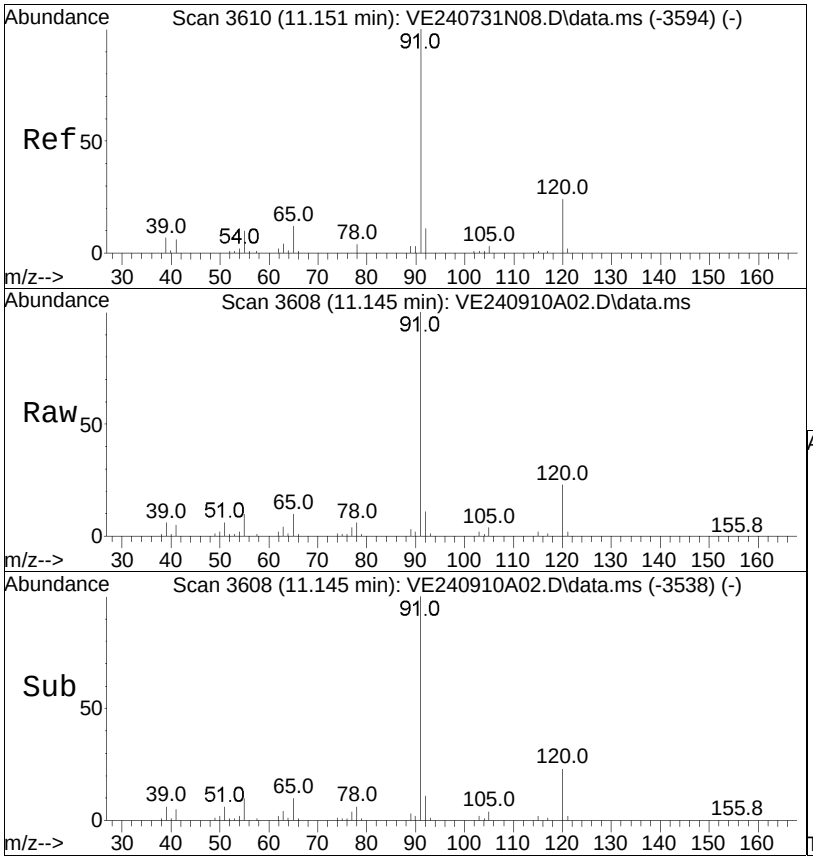


#89
Bromobenzene
Concen: 10.33 ug/L
RT: 11.098 min Scan# 3591
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:156 Resp: 81531

Ion	Ratio	Lower	Upper
156	100		
158	98.1	75.9	113.9

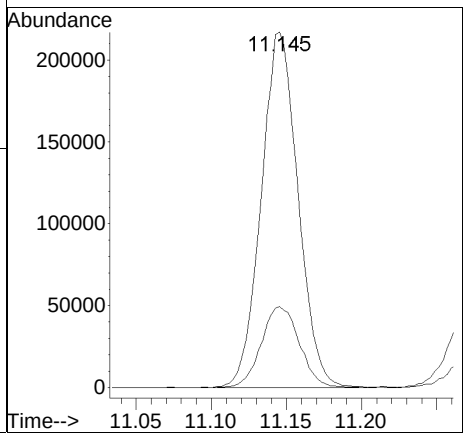


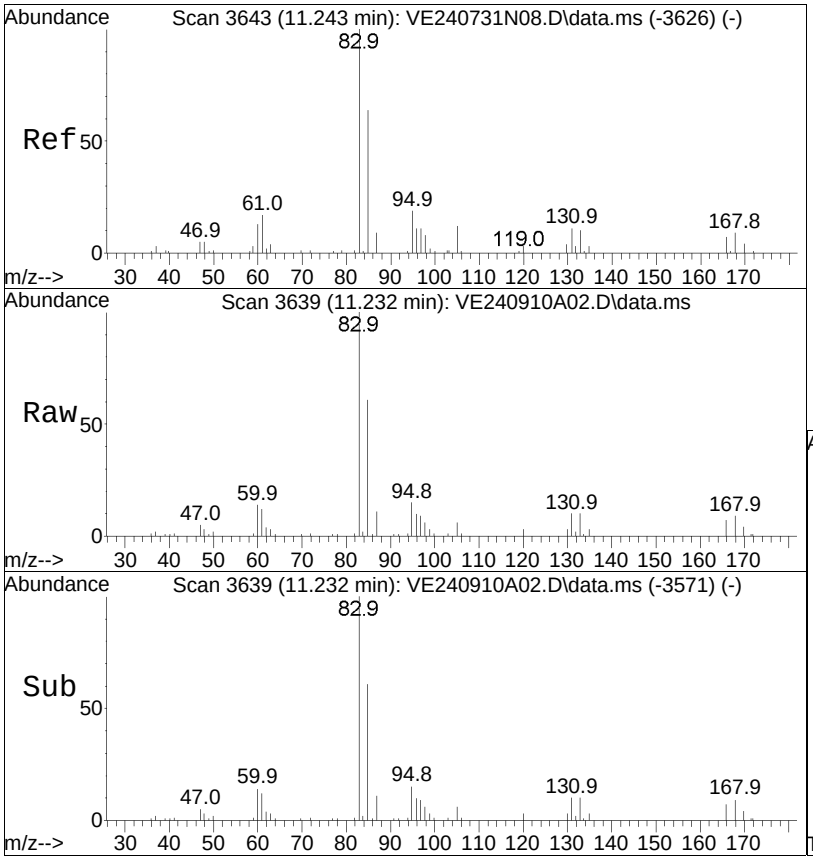


#90
n-Propylbenzene
Concen: 9.89 ug/L
RT: 11.145 min Scan# 3608
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 91 Resp: 369473

Ion	Ratio	Lower	Upper
91	100		
120	23.4	16.7	25.1

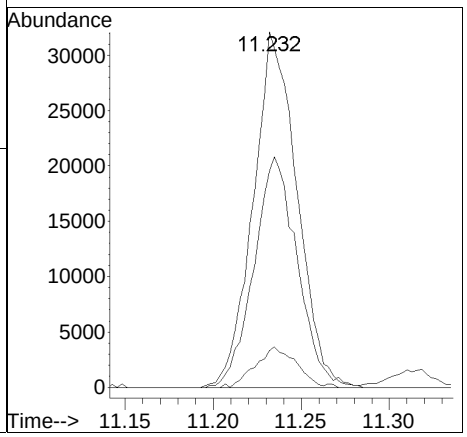


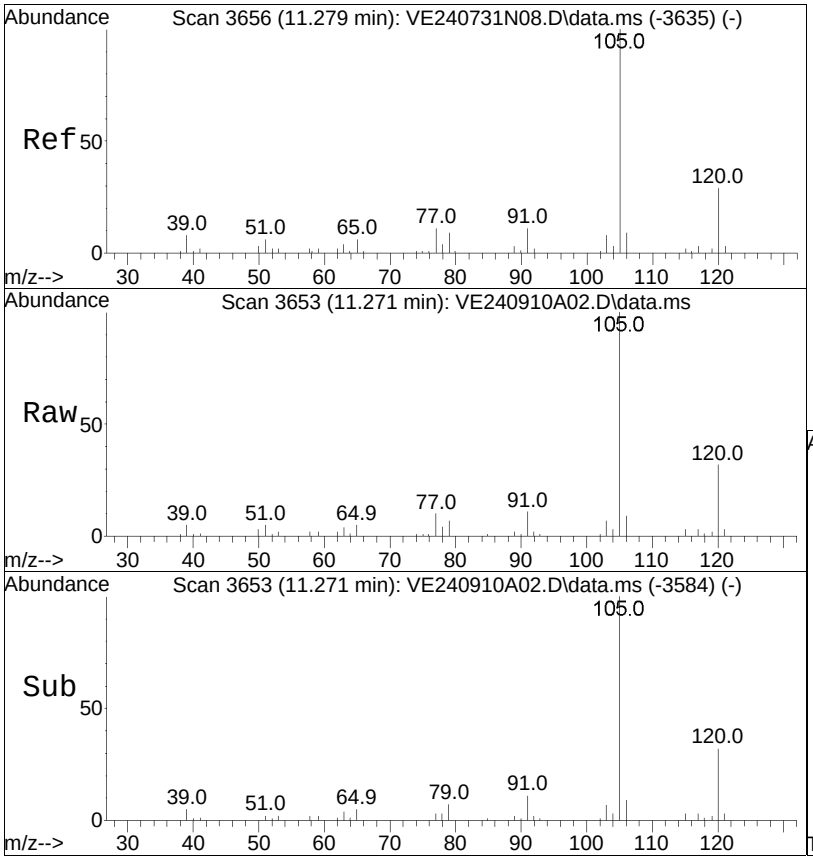


#92
1,1,2,2-Tetrachloroethane
Concen: 8.34 ug/L
RT: 11.232 min Scan# 3639
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 83 Resp: 55341

Ion	Ratio	Lower	Upper
83	100		
131	10.6	0.0	28.6
85	64.5	47.4	87.4

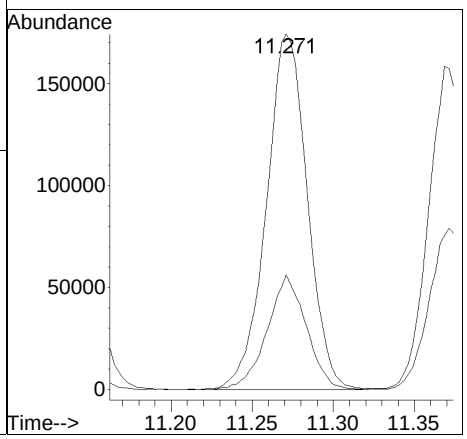


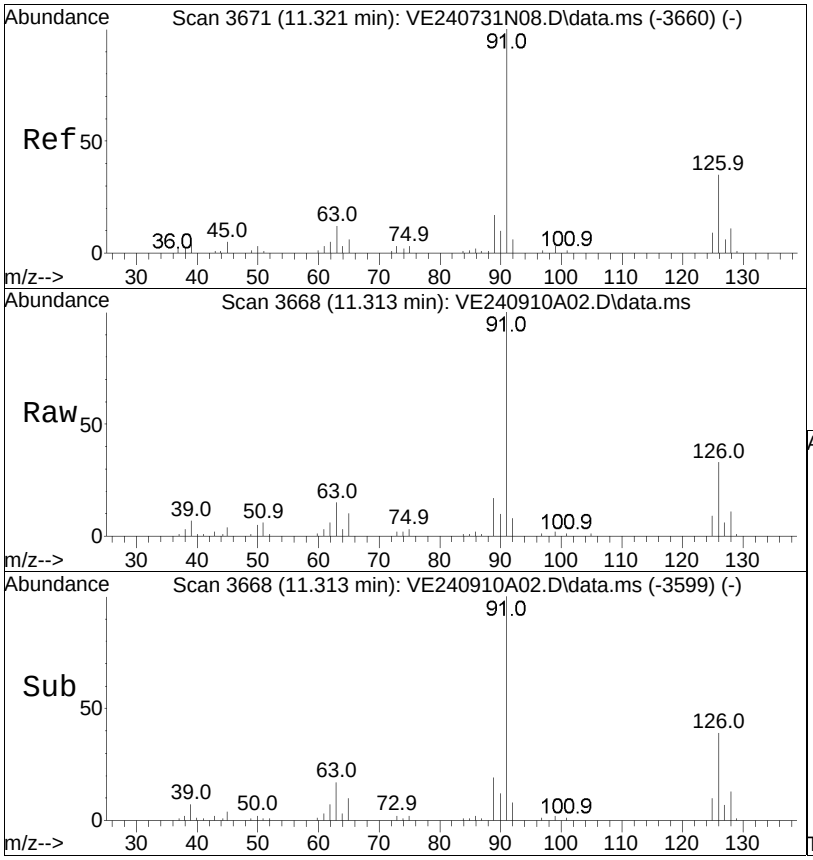


#93
4-Ethyltoluene
Concen: 10.10 ug/L
RT: 11.271 min Scan# 3653
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:105 Resp: 305980

Ion	Ratio	Lower	Upper
105	100		
120	30.6	18.9	39.3

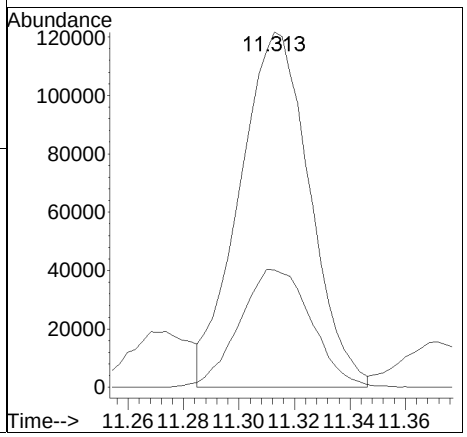


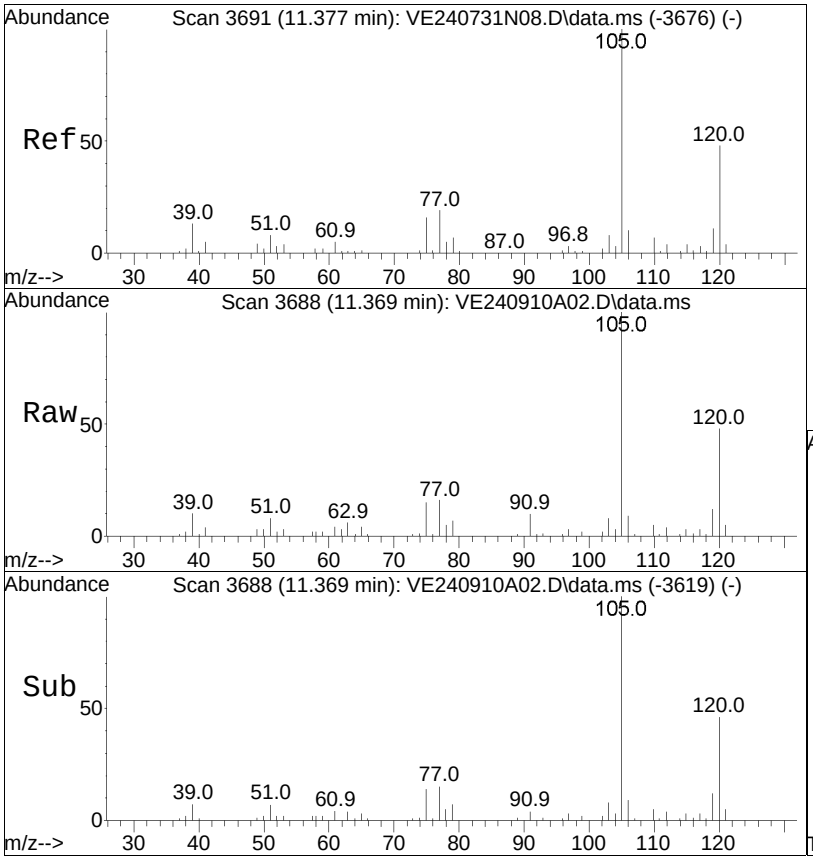


#94
2-Chlorotoluene
Concen: 9.76 ug/L M1
RT: 11.313 min Scan# 3668
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 91 Resp: 214351

Ion	Ratio	Lower	Upper
91	100		
126	34.0	24.4	36.6

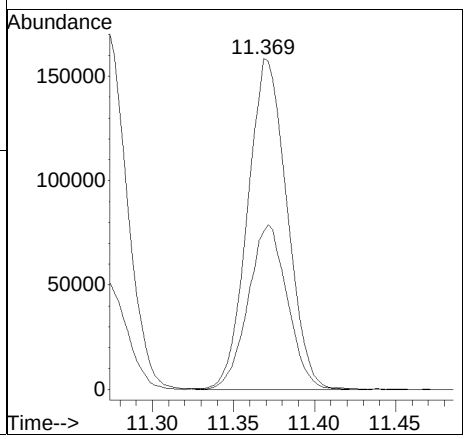


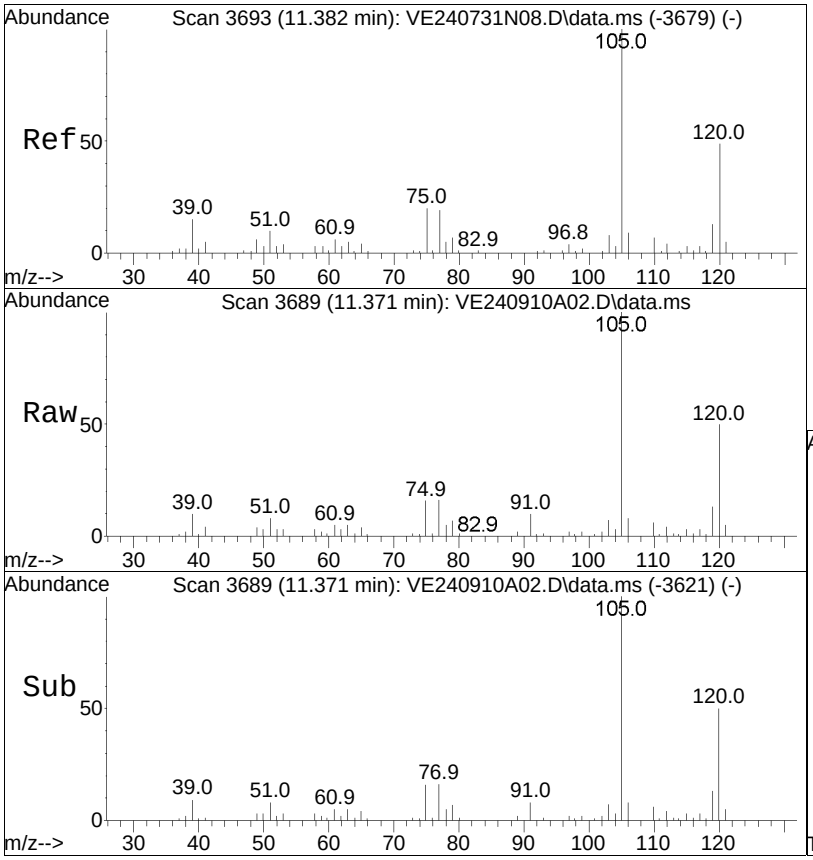


#95
1,3,5-Trimethylbenzene
Concen: 10.05 ug/L
RT: 11.369 min Scan# 3688
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:105 Resp: 267028

Ion	Ratio	Lower	Upper
105	100		
120	49.6	39.3	58.9

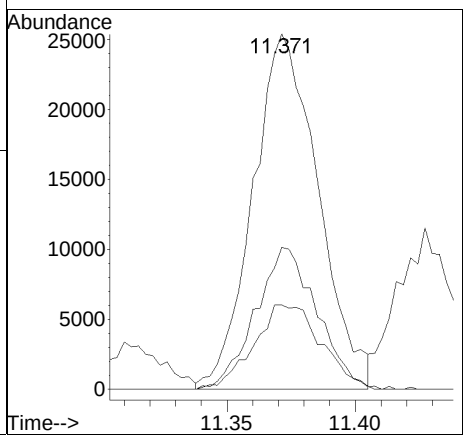


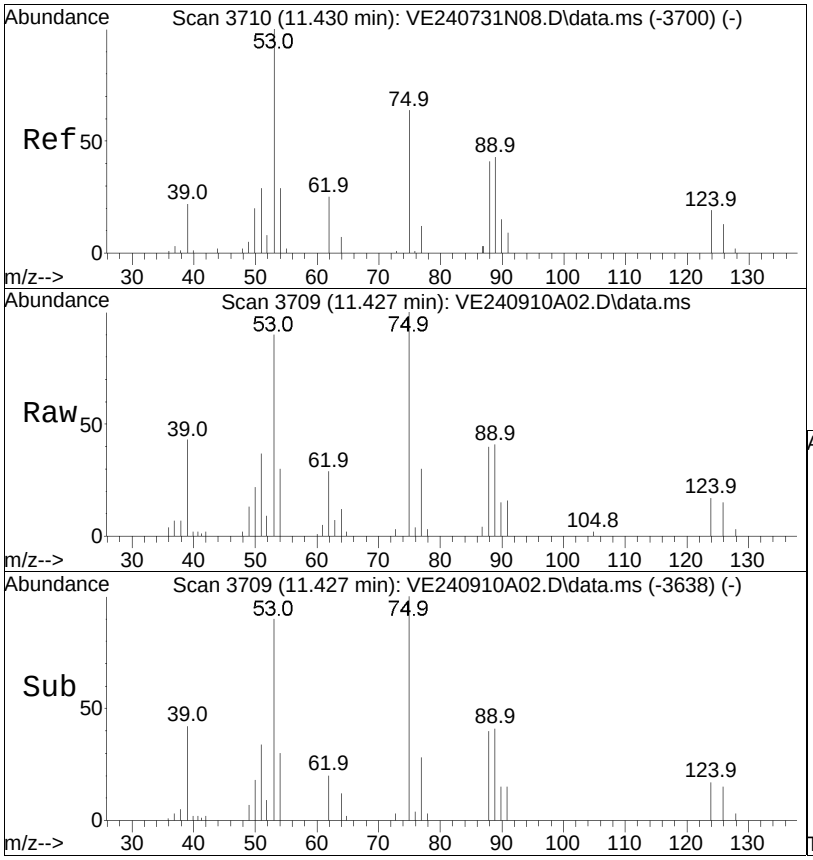


#96
1,2,3-Trichloropropane
Concen: 8.31 ug/L
RT: 11.371 min Scan# 3689
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 75 Resp: 44974

Ion	Ratio	Lower	Upper
75	100		
110	37.6	22.4	46.4
112	24.5	12.2	25.2

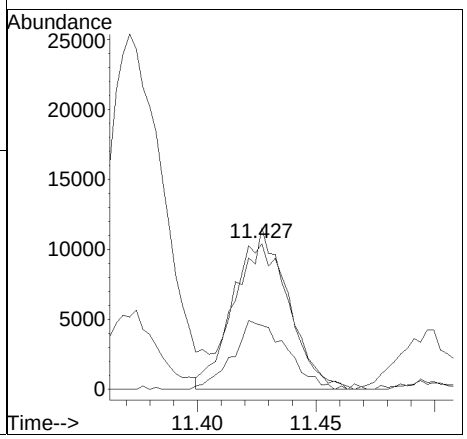


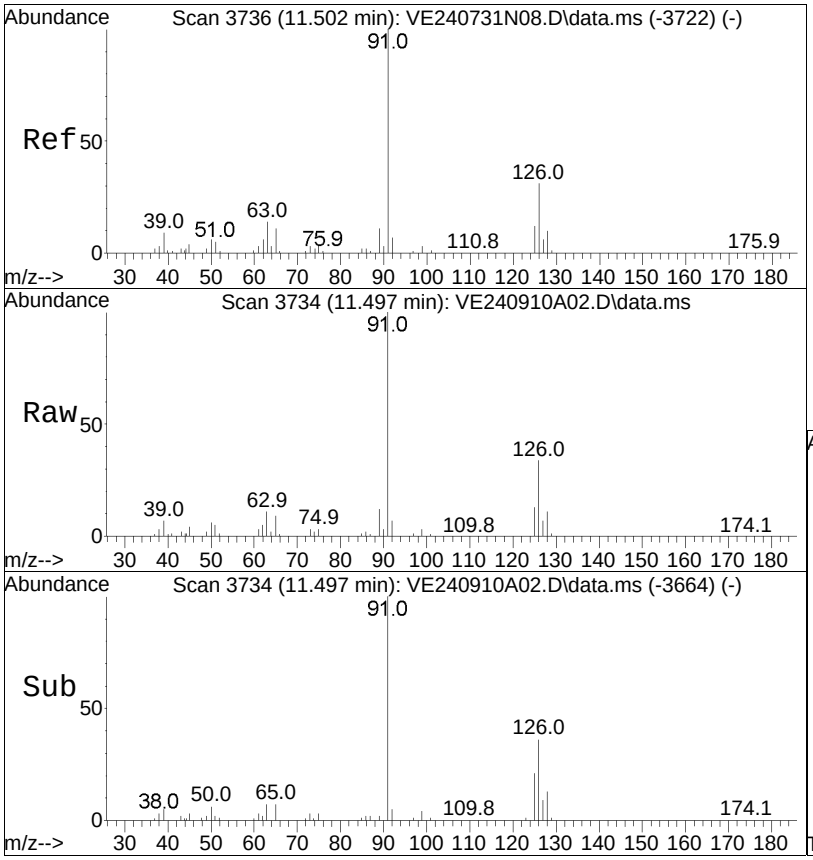


#97
trans-1,4-Dichloro-2-butene
Concen: 6.70 ug/L
RT: 11.427 min Scan# 3709
Delta R.T. -0.003 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 53 Resp: 17817

Ion	Ratio	Lower	Upper
53	100		
88	43.7	29.2	43.8
75	98.0	62.6	94.0#

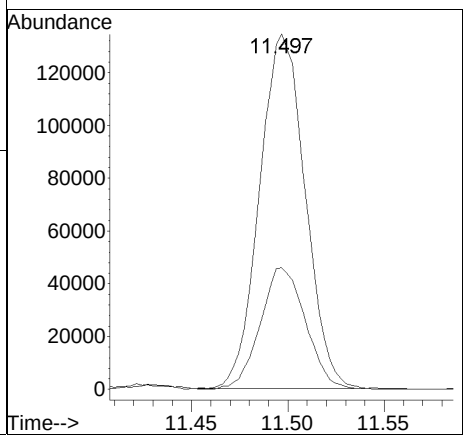


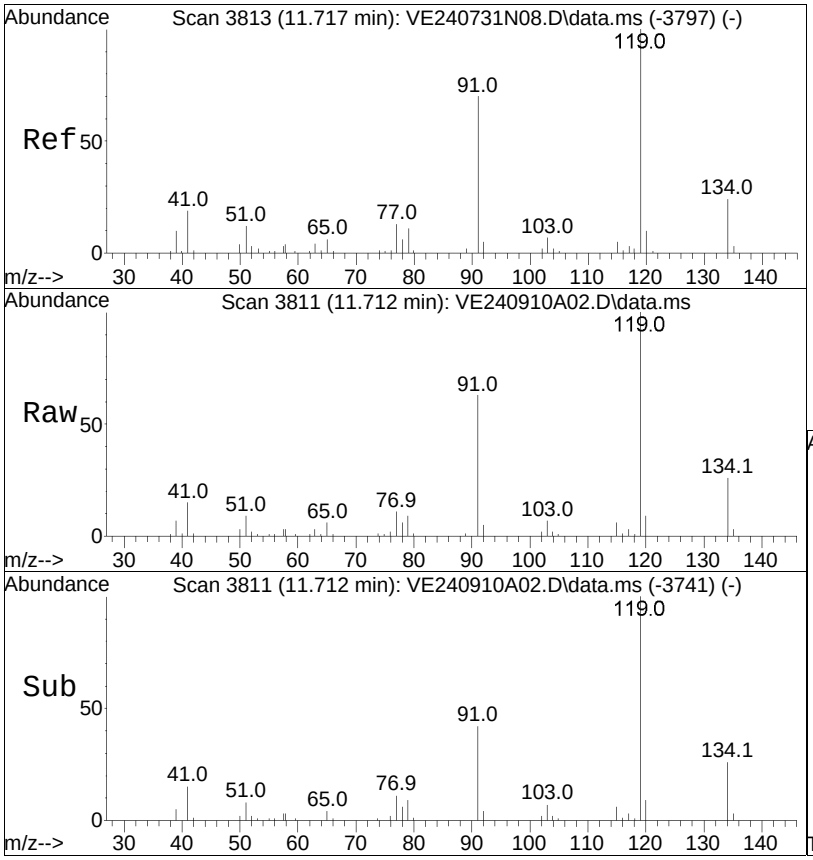


#98
4-Chlorotoluene
Concen: 9.60 ug/L
RT: 11.497 min Scan# 3734
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 91 Resp: 220968

Ion	Ratio	Lower	Upper
91	100		
126	34.3	25.8	38.8

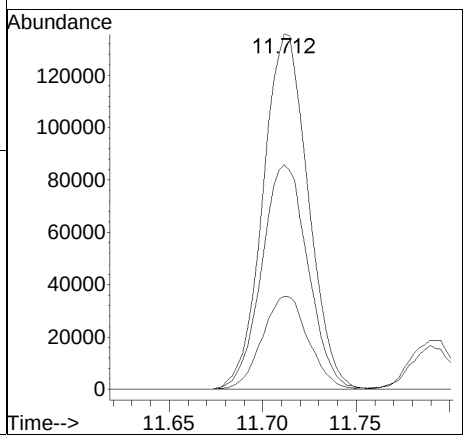


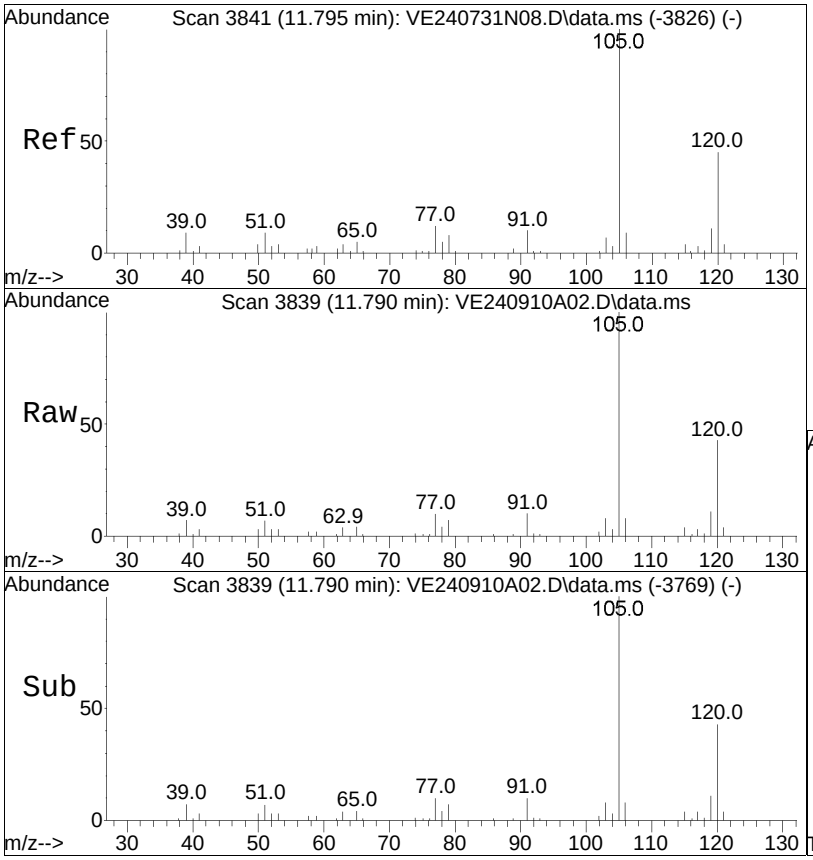


#99
tert-Butylbenzene
Concen: 10.22 ug/L
RT: 11.712 min Scan# 3811
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:119 Resp: 228318

Ion	Ratio	Lower	Upper
119	100		
91	64.9	56.6	84.8
134	26.8	17.7	26.5#

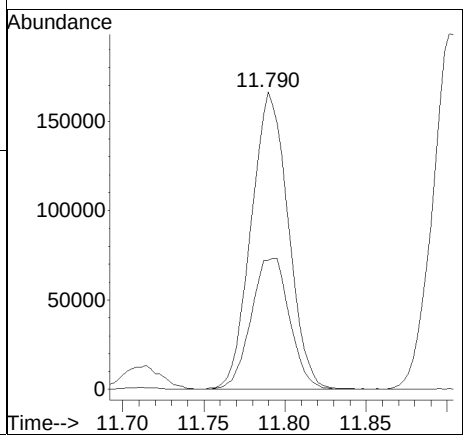


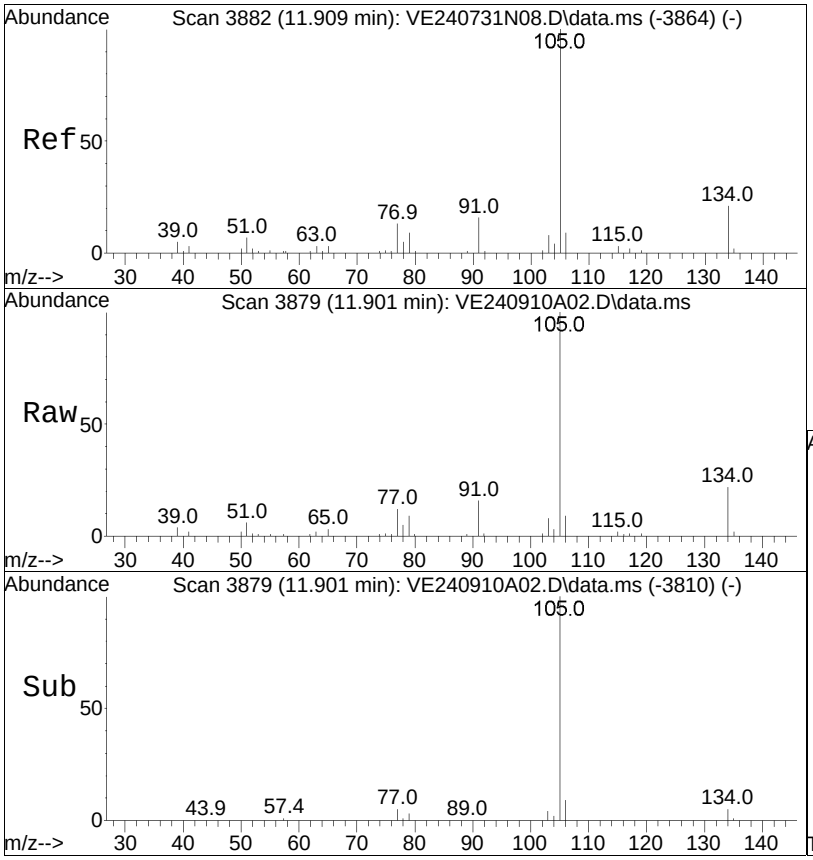


#102
1,2,4-Trimethylbenzene
Concen: 9.97 ug/L
RT: 11.790 min Scan# 3839
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:105 Resp: 264581

Ion	Ratio	Lower	Upper
105	100		
120	45.9	33.6	50.4

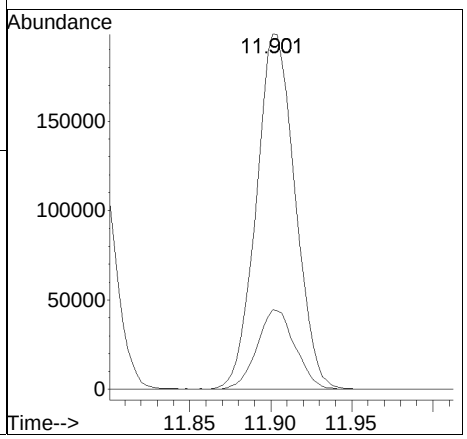


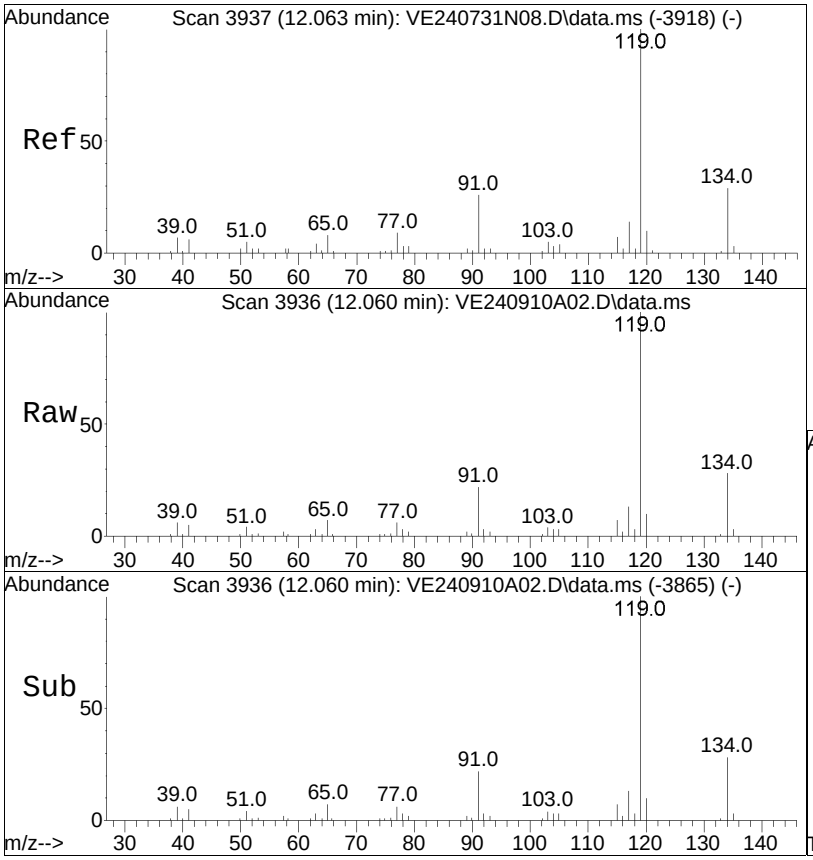


#103
sec-Butylbenzene
Concen: 9.98 ug/L
RT: 11.901 min Scan# 3879
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:105 Resp: 330765

Ion	Ratio	Lower	Upper
105	100		
134	22.0	13.3	27.5

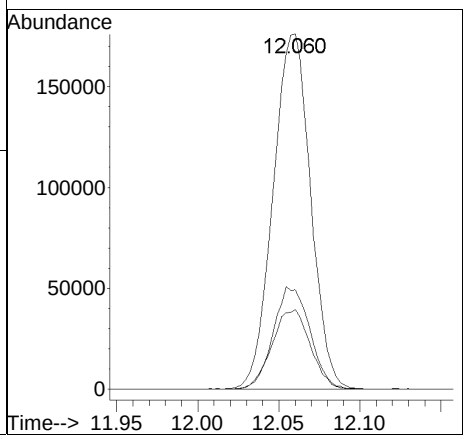


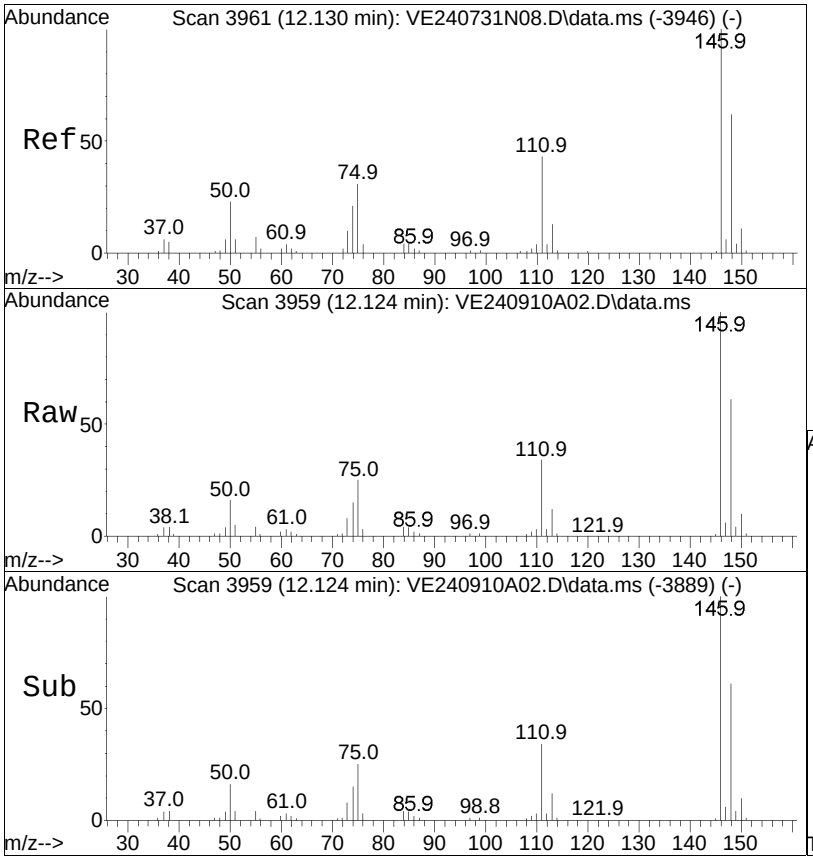


#104
p-Isopropyltoluene
Concen: 10.16 ug/L
RT: 12.060 min Scan# 3936
Delta R.T. -0.003 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:119 Resp: 283737

Ion	Ratio	Lower	Upper
119	100		
134	28.4	15.8	32.8
91	22.9	16.6	34.4

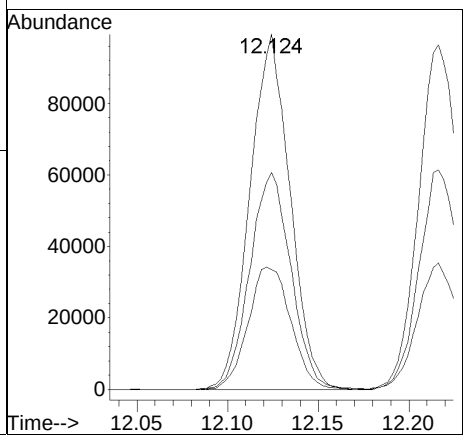


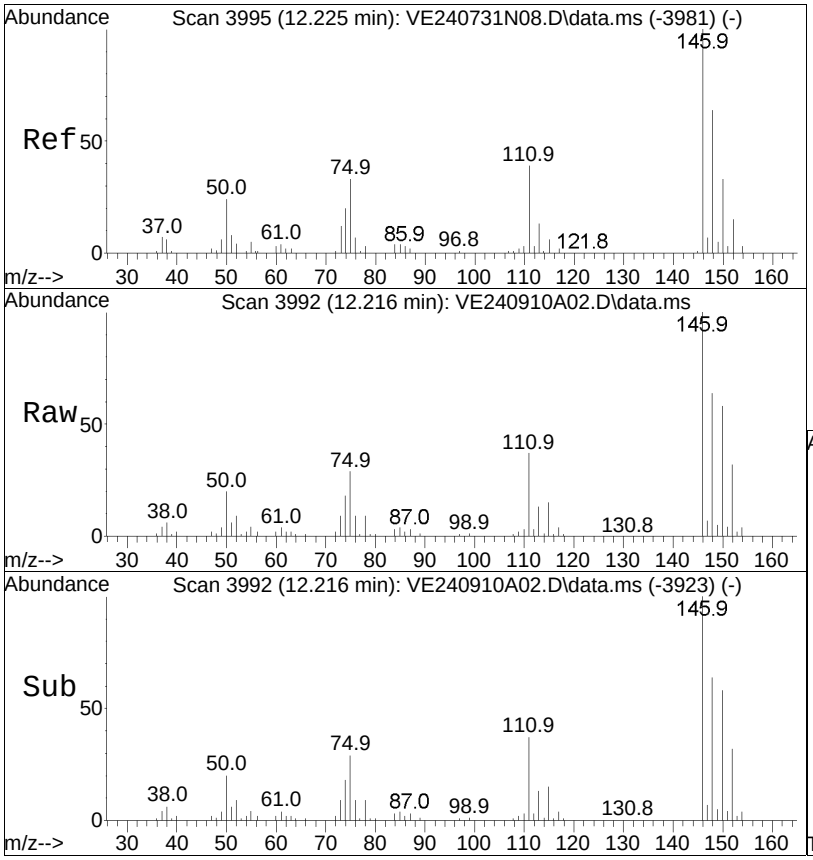


#105
1,3-Dichlorobenzene
Concen: 10.48 ug/L
RT: 12.124 min Scan# 3959
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:146 Resp: 152779

Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.9	57.9
148	62.6	42.4	88.2

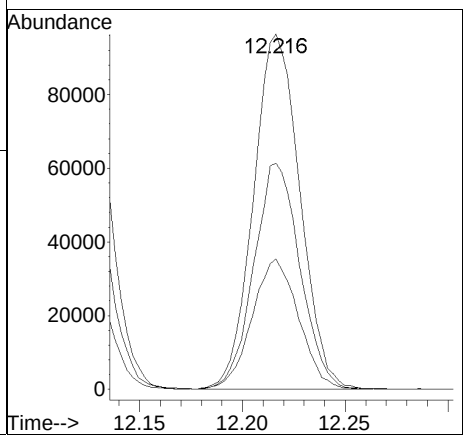


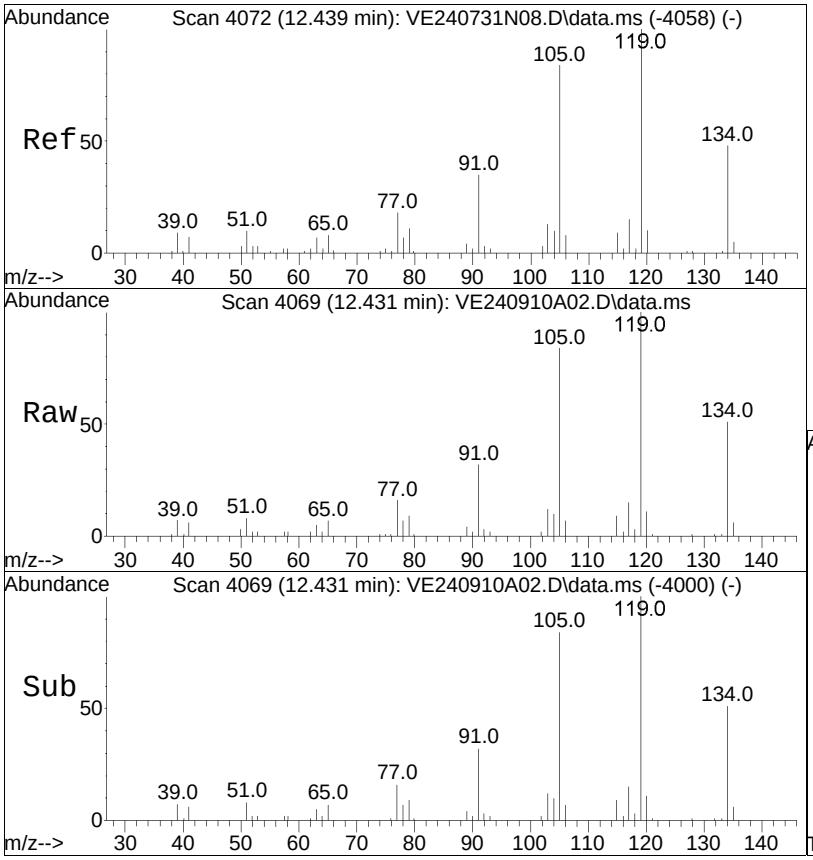


#106
1,4-Dichlorobenzene
Concen: 10.44 ug/L
RT: 12.216 min Scan# 3992
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:146 Resp: 152090

Ion	Ratio	Lower	Upper
146	100		
111	36.8	31.4	47.0
148	63.2	49.8	74.8

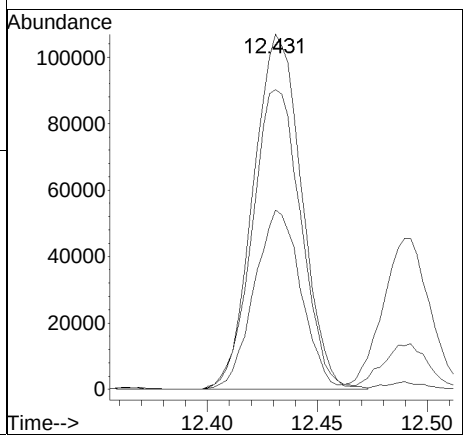


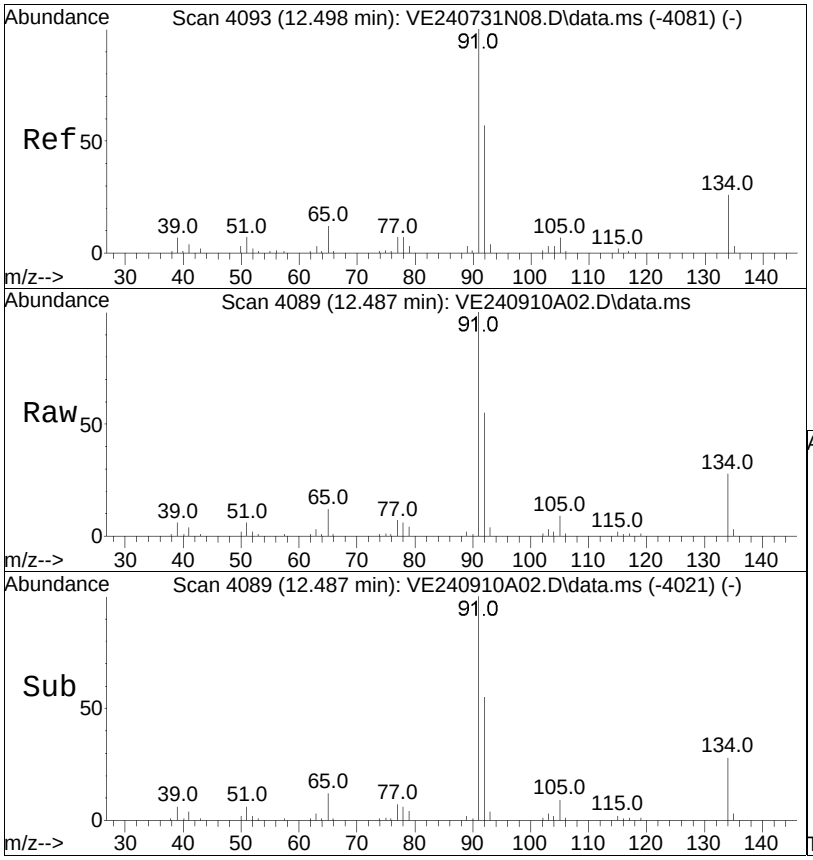


#107
p-Diethylbenzene
Concen: 9.92 ug/L
RT: 12.431 min Scan# 4069
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:119 Resp: 163262

Ion	Ratio	Lower	Upper
119	100		
105	84.9	55.4	115.2
134	48.9	28.4	59.0

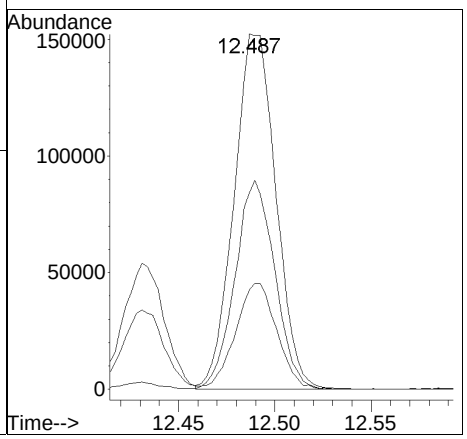


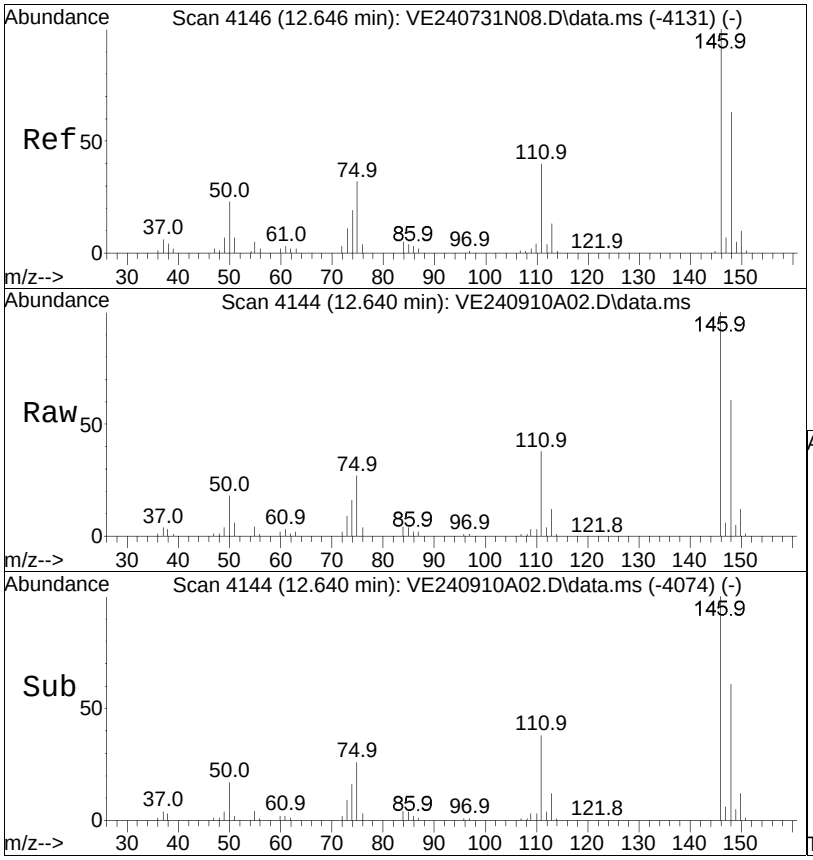


#108
n-Butylbenzene
Concen: 9.58 ug/L
RT: 12.487 min Scan# 4089
Delta R.T. -0.011 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion: 91 Resp: 230206

Ion	Ratio	Lower	Upper
91	100		
92	56.0	42.4	63.6
134	29.5	20.3	30.5

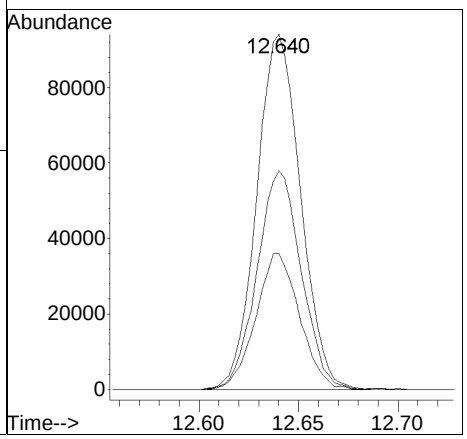


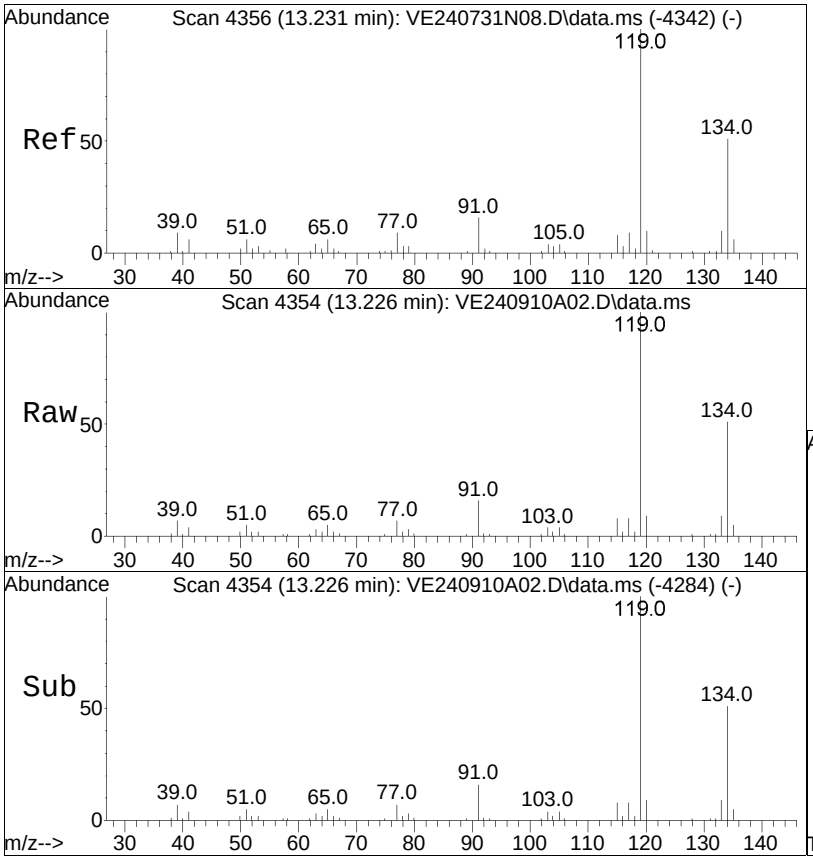


#109
1,2-Dichlorobenzene
Concen: 10.30 ug/L
RT: 12.640 min Scan# 4144
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:146 Resp: 144405

Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.4	54.8
148	62.0	41.7	86.7

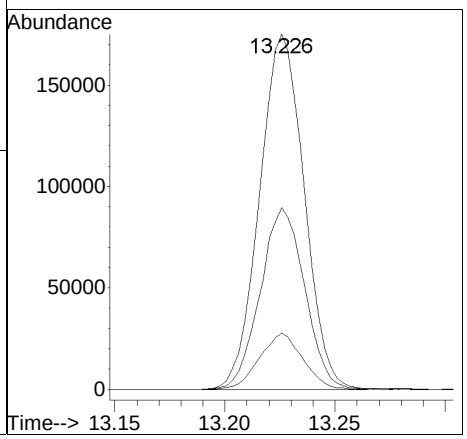


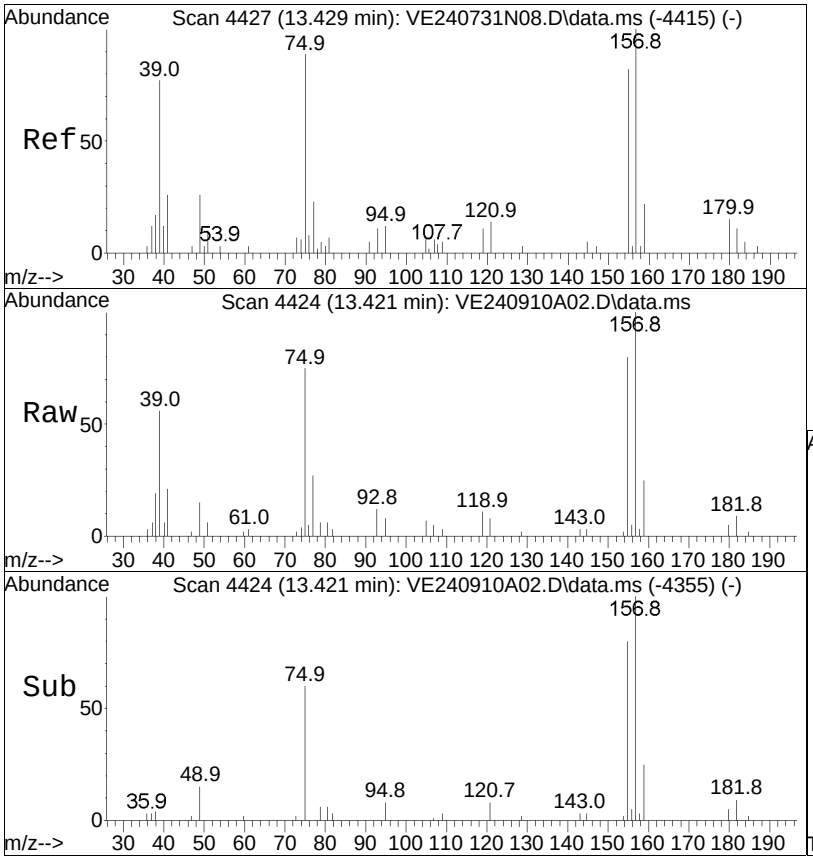


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.24 ug/L
RT: 13.226 min Scan# 4354
Delta R.T. -0.005 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:119 Resp: 246667

Ion	Ratio	Lower	Upper
119	100		
134	50.9	29.6	61.4
91	15.3	9.8	20.3

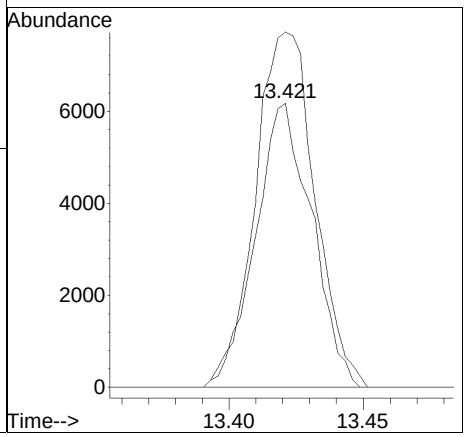


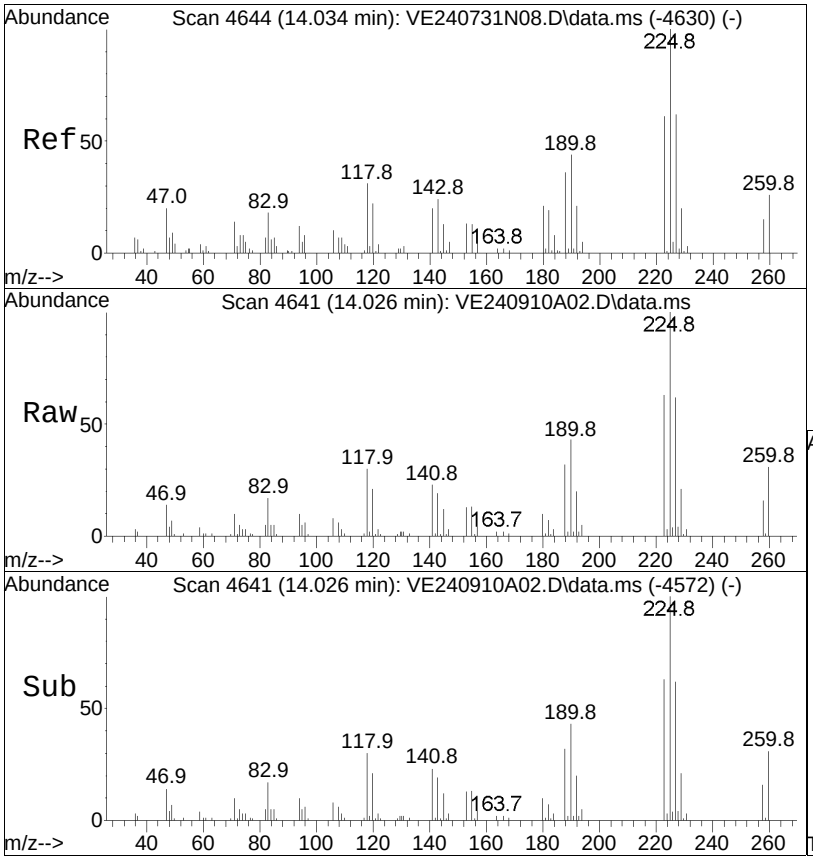


#111
1,2-Dibromo-3-chloropropane
Concen: 7.31 ug/L
RT: 13.421 min Scan# 4424
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:155 Resp: 9025

Ion	Ratio	Lower	Upper
155	100		
157	132.7	95.1	142.7

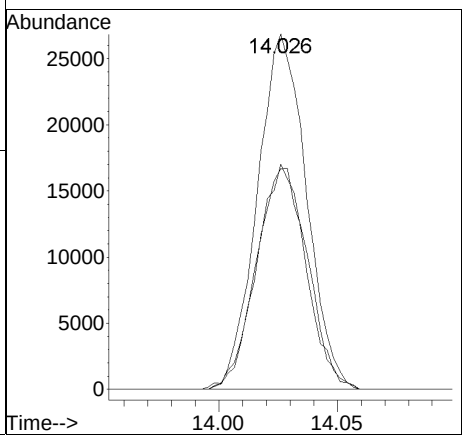


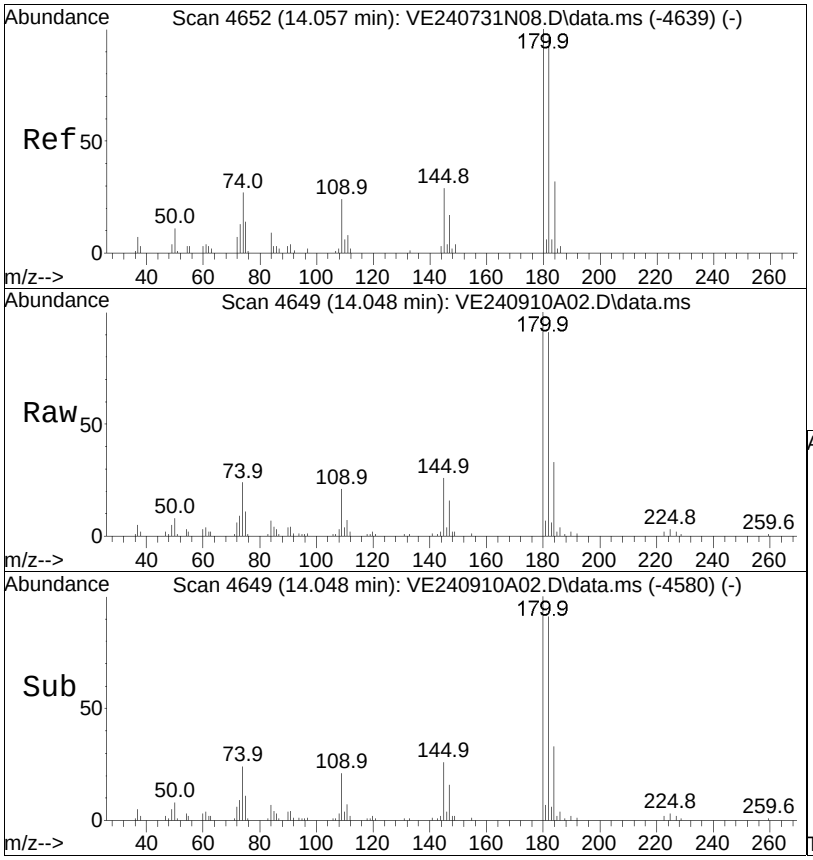


#113
Hexachlorobutadiene
Concen: 10.51 ug/L
RT: 14.026 min Scan# 4641
Delta R.T. -0.008 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:225 Resp: 38792

Ion	Ratio	Lower	Upper
225	100		
223	63.9	54.6	82.0
227	64.7	56.2	84.4

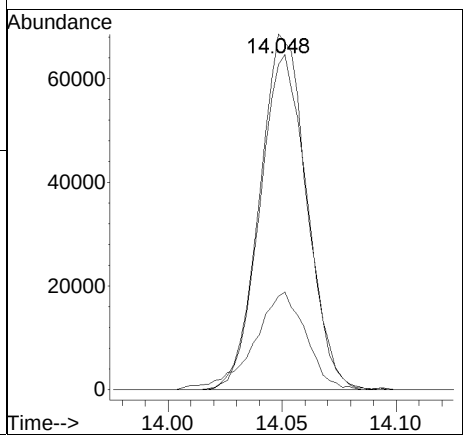


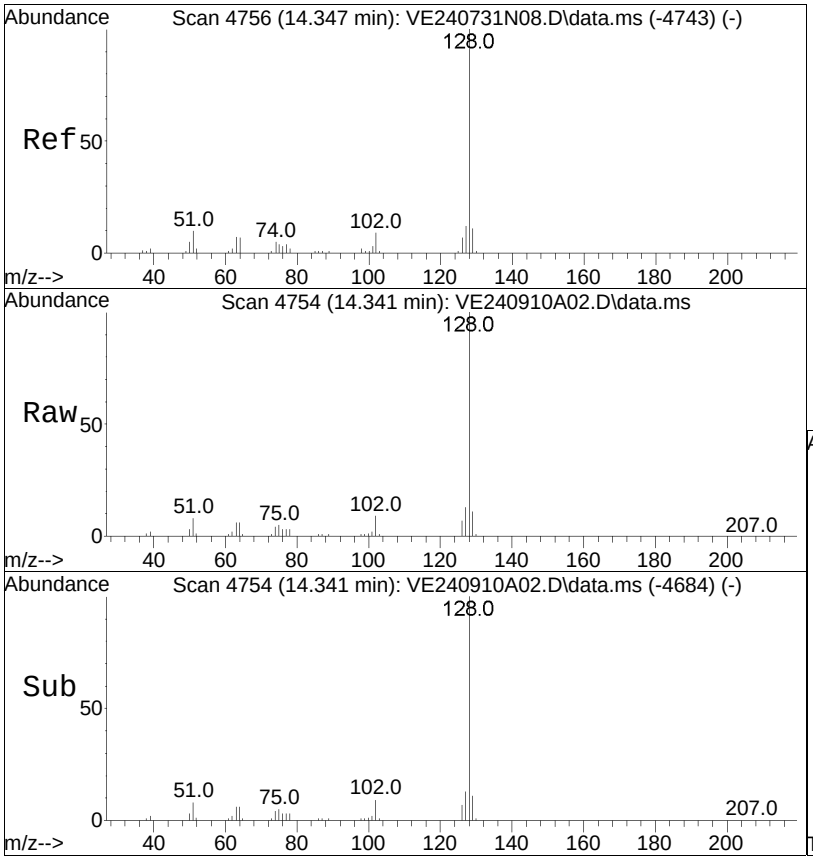


#114
1,2,4-Trichlorobenzene
Concen: 9.79 ug/L
RT: 14.048 min Scan# 4649
Delta R.T. -0.009 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:180 Resp: 98434

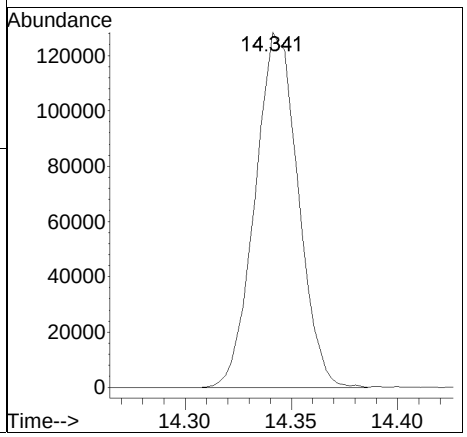
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	29.8	26.0	39.0

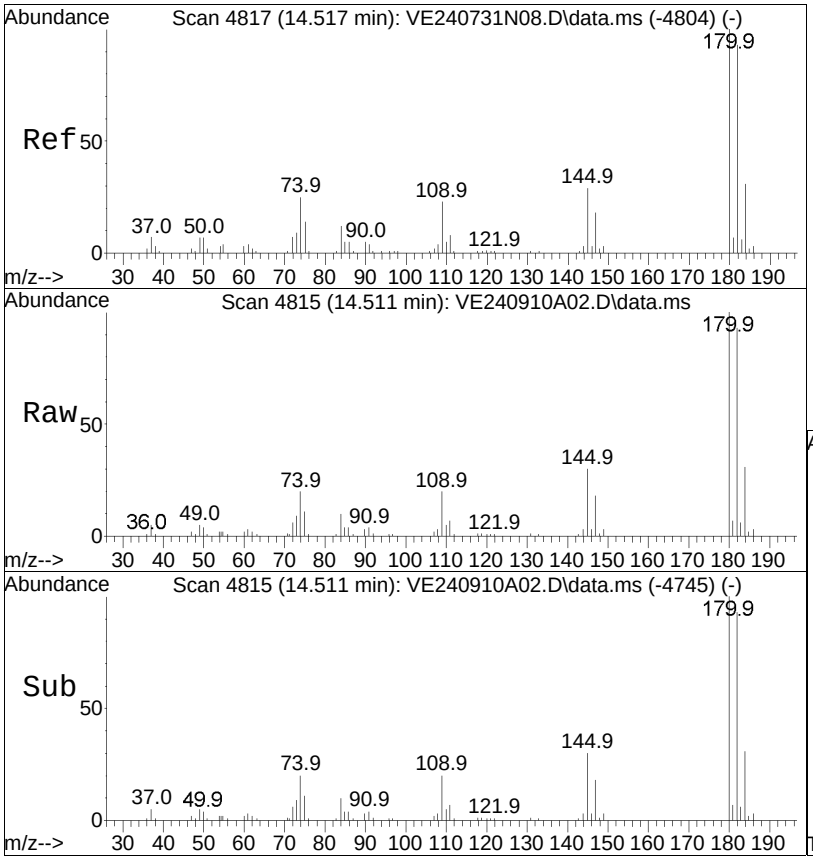




#115
Naphthalene
Concen: 8.16 ug/L
RT: 14.341 min Scan# 4754
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:128 Resp: 180851

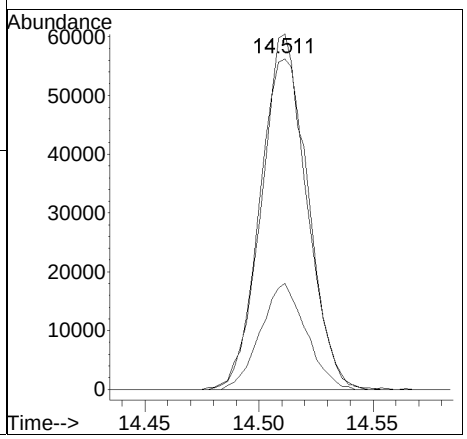




#116
1,2,3-Trichlorobenzene
Concen: 9.31 ug/L
RT: 14.511 min Scan# 4815
Delta R.T. -0.006 min
Lab File: VE240910A02.D
Acq: 10 Sep 2024 8:59 am

Tgt Ion:180 Resp: 85934

Ion	Ratio	Lower	Upper
180	100		
182	94.7	71.6	107.4
145	29.0	25.1	37.7

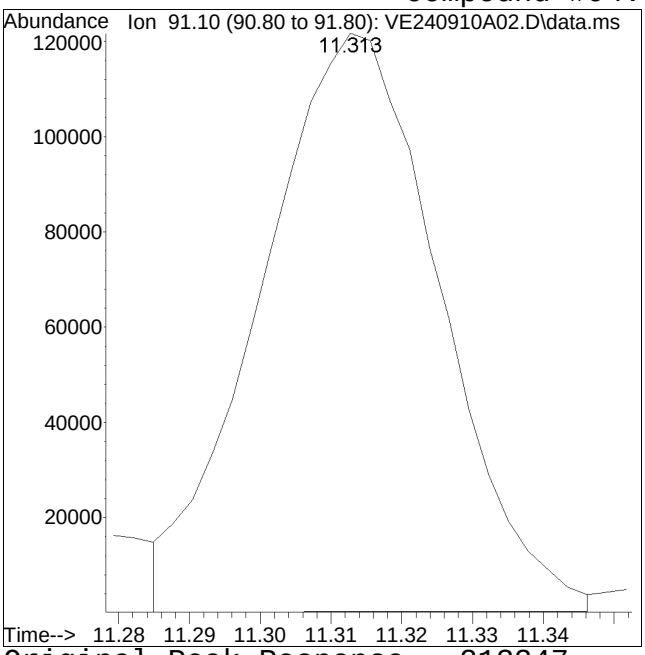


Manual Integration Report

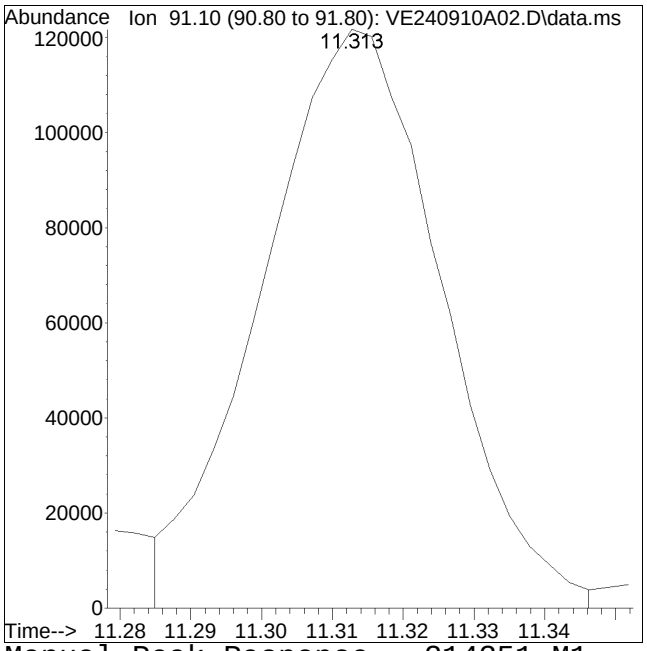
Data Path : K:\Elaine\2024\240910A\
Data File : VE240910A02.D
Date Inj'd : 9/10/2024 8:59 am
Sample : WG1970185-4,31,10,10

QMethod : Elaine_240731N_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 9/10/2024 9:29 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 213347



Manual Peak Response = 214351 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 03:34 pm

Work Group: WG1969667 for Department: 31 GC/MS - Volatiles

Created: 10-SEP-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2448945-07	TRIP BLANK-20240827	S	NYTCL-8260-R2	WATER	DONE	U	0904	0911	S0	Vial-B
L2450193-01	001 RIVER DISCHARGE	S	NYTCL-8260-R2	WATER	DONE	U	0918	0911	S0	Vial-B
L2450373-03	AOI5-TRACK4LEAD-FB2-090324	C	NYTCL-8260	WATER	DONE	U	0917	0911	S0	Vial-B
L2450417-01	MW-4A	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-02	MW-4B	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-03	MW-3A	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-04	MW-3B	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-06	MW-2A	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-07	MW-2B	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-08	MW-9A	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450417-09	MW-9B	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450423-10	TWP-1	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2450786-12	DUP	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-14	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0918	0911	S0	Vial-B
L2451280-02	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0923	0910	3A	Vial-B
WG1969667-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1969667-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1969667-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1969667-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1969667-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1969667-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG1969667-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1969667-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG1969667-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1969667-4	WG1969667-3
WG1969667-6	L2450417-06
WG1969667-7	L2450417-06

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 03:34 pm

Work Group: WG1970185 for Department: 31 GC/MS - Volatiles

Created: 11-SEP-24 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450585-02	PZ-1D	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450585-03	PZ-2S	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450585-04	PZ-2D	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450585-05	PZ-3S	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450585-06	PZ-3D	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450719-01	181_LMW-18B	S	NYTCL-8260	WATER	DONE	U	0919	0912	S0	Vial-B
L2450719-03	184_TB_090524	S	NYTCL-8260	WATER	DONE	U	0918	0912	S0	Vial-B
L2450786-01	MW-5A	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-02	MW-5B	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-03	MW-6A	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-04	MW-6B	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-05	MW-7A	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-06	MW-7B	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-07	MW-8A	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-08	MW-8B	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-09	MW-10A	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
L2450786-10	MW-10B	S	NYTCL-8260	WATER	DONE	U	0919	0911	S0	Vial-B
WG1970185-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1970185-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1970185-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1970185-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1970185-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG1970185-4 WG1970185-3

Inst: Elaine
Initials: MAG
Date: **07/31/24**
Run: **N**

BFB: V10571
IS/SS: V10570
ICAL: V10561B,V10585
ICV: V10539, V10563, V10564, V10586, V10541, V10540

Method
GC: 8260
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	VE240731NBF1	BFB TUNE 17:25	
1	VE240731N01	BLK	
2	VE240731N02	BLK	
3	VE240731N03	I8260STD0.19PPB	
4	VE240731N04	I8260STD0.19PPB	
5	VE240731N05	I8260STD0.5PPB	
6	VE240731N06	I8260STD0.5PPB	
7	VE240731N07	I8260STD2PPB	
8	VE240731N08	I8260STD10PPB	
9	VE240731N09	I8260STD30PPB	
10	VE240731N10	I8260STD80PPB	
11	VE240731N11	I8260STD120PPB	
12	VE240731N12	I8260STD200PPB	
13	VE240731N13	BLK	
14	VE240731N14	BLK	
15	VE240731N15	BLK	
16	VE240731N16	BLK	
17	VE240731N17	C8260STD10PPB	
18	VE240731N18	C8260STD10PPB	
19	VE240731N19	BLK	
20	VE240731N20	BLK	
21	VE240731N21	METHOD BLK	
22	VE240731N22	MDL LVL 11	
23	VE240731N23	MDL LVL 1	
24	VE240731N24	MDL LVL 2	
25	VE240731N25	BLK	

Method

Inst: VOA130 BFB: V10571 GC: 8260

Initials: TMS IS/SS: V10600 Autosampler: 8260

Date: **08/16/24** ICAL: V10594B,V10606 Concentrator: 8260

Run: **N** ICV: V10602, V10563, V10564, V10586, V10596, V10597 QC:_____ Seq:_____

Vial	Data File	SAMPLE	pH<2
1	V30240816NBF1	BFB TUNE	
1	V30240816N01	BLK	
2	V30240816N02	BLK	
3	V30240816N03	BLK	
4	V30240816N04	I8260STD0.19PPB	
5	V30240816N05	I8260STD0.19PPB	
6	V30240816N06	I8260STD0.5PPB	
7	V30240816N07	I8260STD0.5PPB	
8	V30240816N08	I8260STD2PPB	
9	V30240816N09	I8260STD2PPB	
10	V30240816N10	I8260STD10PPB	
11	V30240816N11	I8260STD30PPB	
12	V30240816N12	I8260STD80PPB	
13	V30240816N13	I8260STD120PPB	
14	V30240816N14	I8260STD200PPB	
15	V30240816N15	BLK	
16	V30240816N16	BLK	
17	V30240816N17	BLK	
18	V30240816N18	BLK	
19	V30240816N19	C8260STD10PPB	
20	V30240816N20	C8260STD10PPB	
21	V30240816N21	BLK	

Inst: VOA130 BFB: V10618 Method GC: 8260
Initials: PID IS/SS: V10647 Autosampler: 8260
Date: **09/10/24** ICAL: V10649A,V10651 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	SAMPLE			pH<2
1	V30240910ABF1	BFB TUNE 06:25			
1	V30240910A01	8260 CCAL LCS			
2	V30240910A02	8260 CCAL LCSD			
3	V30240910A03	8260 CCAL			
4	V30240910A04	BLK			
5	V30240910A05	METHOD BLK			
6	V30240910A06	L2451280-02,31,10,10,,A,R3A	NYTCL/10	TB,HS	pH<2
7	V30240910A07	DSTD			
8	V30240910A08	L2450193-01,31,10,10,,A	NY/R2/10		pH<2
9	V30240910A09	L2450373-03,31,10,10,,A	NYTCL	FB	pH<2
10	V30240910A10	L2448945-07,31,10,10,,A	NY/R2	TB	pH<2
11	V30240910A11	L2450398-01,31,10,10,,A	ME8260		pH<2
12	V30240910A12	L2450398-02,31,10,10,,A	ME8260		pH<2
13	V30240910A13	L2450398-03,31,10,10,,A	ME8260		pH<2
14	V30240910A14	L2450398-04,31,10,10,,A	ME8260		pH<2
15	V30240910A15	L2450398-05,31,10,10,,A	ME8260	TB	pH<2
16	V30240910A16	L2450423-10,31,10,10,,A	NYTCL		pH<2
17	V30240910A17	L2450417-01,31,10,10,,A	NYTCL		pH<2
18	V30240910A18	L2450417-02,31,10,10,,A	NYTCL		pH<2
19	V30240910A19	L2450417-03,31,10,10,,A	NYTCL		pH<2
20	V30240910A20	L2450417-04,31,10,10,,A	NYTCL		pH<2
21	V30240910A21	L2450417-06,31,10,10,,A	NYTCL		pH<2
22	V30240910A22	L2450417-07,31,10,10,,A	NYTCL		pH<2
23	V30240910A23	L2450417-08,31,10,10,,A	NYTCL		pH<2
24	V30240910A24	L2450417-09,31,10,10,,A	NYTCL		pH<2
25	V30240910A25	L2450786-12,31,10,10,,A	NYTCL		pH<2
26	V30240910A26	L2450786-14,31,10,10,,A	NYTCL	TB	pH<2
27	V30240910A27	L2450417-06MS,31,10,10,,A1	NYTCL		pH<2
28	V30240910A28	L2450417-06MSD,31,10,10,,A2	NYTCL		pH<2
29	V30240910A29	DSTD			
30	V30240910A30	BLK			
31	V30240910A31	BLK			
32	V30240910A32	L2448682-01,31,10,10,,A	8260/RFB		pH<2
33	V30240910A33	L2448682-02,31,10,10,,A	8260/RFB		pH<2
34	V30240910A34	L2448682-03,31,10,10,,A	8260/RFB		pH<2
35	V30240910A35	L2448682-04,31,10,10,,A	8260/RFB		pH<2
36	V30240910A36	L2448682-05,31,10,10,,A	8260/RFB		pH<2
37	V30240910A37	L2448682-06,31,10,10,,A	8260/RFB		pH<2

Inst: VOA130
Initials: PID
Date: **09/10/24**
Run: **A**

BFB: V10618
IS/SS: V10647
ICAL: V10649A,V10651

Method
GC: 8260
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	SAMPLE		pH<2
38	V30240910A38	L2448682-07,31,10,10,,A	8260/RFB	pH<2
39	V30240910A39	HSTD		
40	V30240910A40	BLK		
41	V30240910A41	BLK		

Inst: Elaine
Initials: PID
Date: **09/10/24**
Run: **A**

BFB: V10618
IS/SS: V10647
ICAL: V10649A,V10651

Method
GC: 8260
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample			obs
1	VE240910ABF1	BFB TUNE 08:20			
1	VE240910A01	8260 CCAL LCS			
2	VE240910A02	8260 CCAL LCSD			
3	VE240910A03	8260 CCAL			
4	VE240910A04	BLK			
5	VE240910A05	METHOD BLK			
6	VE240910A06	L2450786-01,31,10,10,,A	NYTCL		pH<2
7	VE240910A07	L2450786-02,31,10,10,,A	NYTCL		pH<2
8	VE240910A08	L2450786-03,31,10,10,,A	NYTCL		pH<2
9	VE240910A09	L2450786-04,31,10,10,,A	NYTCL		pH<2
10	VE240910A10	L2450786-05,31,10,10,,A	NYTCL		pH<2
11	VE240910A11	L2450786-06,31,10,10,,A	NYTCL		pH<2
12	VE240910A12	L2450786-07,31,10,10,,A	NYTCL		pH<2
13	VE240910A13	L2450786-08,31,10,10,,A	NYTCL		pH<2
14	VE240910A14	L2450786-09,31,10,10,,A	NYTCL		pH<2
15	VE240910A15	L2450786-10,31,10,10,,A	NYTCL		pH<2
16	VE240910A16	L2450719-03,31,10,10,,A	NYTCL	TB	pH<2
17	VE240910A17	L2450719-02,31,10,10,,A	NYTCL		pH<2
18	VE240910A18	L2450719-01,31,10,10,,A	NYTCL		pH<2
19	VE240910A19	L2450585-03,31,10,10,,A	NYTCL	HS	pH<2
20	VE240910A20	L2450585-04,31,10,10,,A	NYTCL	HS	pH<2
21	VE240910A21	L2450585-05,31,10,10,,A	NYTCL		pH<2
22	VE240910A22	L2450585-06,31,10,10,,A	NYTCL		pH<2
23	VE240910A23	L2450585-01D,31,5.0,10,,A	NYTCL		pH<2
24	VE240910A24	L2450585-02D,31,2.0,10,,A	NYTCL		pH<2
25	VE240910A25	BLK			
26	VE240910A26	L2449936-01D,31,1.0,10,,A	8260	YELLOW,FOAM	pH>2
27	VE240910A27	DSTD			

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-5A (L2450786-01)	30	31	73	75	21	74	0
MW-5B (L2450786-02)	24	34	73	108	17	69	0
MW-6A (L2450786-03)	15*	27	69	60	18	66	1
MW-6B (L2450786-04)	15*	26	68	90	11	74	1
MW-7A (L2450786-05)	31	34	66	71	48	69	0
MW-7B (L2450786-06)	32	29	91	70	35	76	0
MW-8A (L2450786-07)	42	38	57	81	39	75	0
MW-8B (L2450786-08)	24	26	61	64	27	48	0
MW-10A (L2450786-09)	10*	13	54	59	11	59	1
MW-10B (L2450786-10)	11*	13	47	49	16	62	1
DUP (L2450786-12)	14*	15	54	49	21	53	1
WG1968879-1BLANK	33	25	79	70	46	84	0
WG1968879-2LCS	56	42	81	66	74	76	0
WG1968879-3LCSD	63	48	79	73	84	75	0
WG1968975-1BLANK	41	30	58	62	64	65	0
WG1968975-2LCS	47	34	61	63	70	67	0
WG1968975-3LCSD	59	42	76	77	88	84	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968879-2 Analysis Date : 09/10/24 03:15	**File ID**	: 968879-2
LCSD Sample ID	: WG1968879-3 Analysis Date : 09/10/24 03:38	**File ID**	: 968879-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	14.	72	20	16.	79	9	37-111	30
1,2,4-Trichlorobenzene	20	13.	66	20	16.	78	17	39-98	30
Hexachlorobenzene	20	17.	83	20	16.	81	2	40-140	30
Bis(2-chloroethyl)ether	20	14.	73	20	16.	83	13	40-140	30
2-Chloronaphthalene	20	14.	71	20	15.	75	5	40-140	30
1,2-Dichlorobenzene	20	12.	62	20	15.	75	19	40-140	30
1,3-Dichlorobenzene	20	12.	59	20	15.	74	23	40-140	30
1,4-Dichlorobenzene	20	12.	62	20	15.	75	19	36-97	30
3,3'-Dichlorobenzidine	20	14.	73	20	14.	70	4	40-140	30
2,4-Dinitrotoluene	20	14.	68	20	14.	73	7	48-143	30
2,6-Dinitrotoluene	20	15.	77	20	16.	79	3	40-140	30
Fluoranthene	20	16.	81	20	16.	78	4	40-140	30
4-Chlorophenyl phenyl ether	20	15.	76	20	17.	85	11	40-140	30
4-Bromophenyl phenyl ether	20	16.	78	20	16.	82	5	40-140	30
Bis(2-chloroisopropyl)ether	20	12.	59	20	13.	66	11	40-140	30
Bis(2-chloroethoxy)methane	20	16.	79	20	16.	80	1	40-140	30
Hexachlorobutadiene	20	12.	62	20	15.	74	18	40-140	30
Hexachlorocyclopentadiene	20	8.0	40	20	8.7	44	10	40-140	30
Hexachloroethane	20	13.	64	20	14.	69	8	40-140	30
Isophorone	20	17.	84	20	17.	86	2	40-140	30
Naphthalene	20	12.	63	20	14.	71	12	40-140	30
Nitrobenzene	20	16.	78	20	16.	78	0	40-140	30
NDPA/DPA	20	15.	75	20	15.	76	1	40-140	30
n-Nitrosodi-n-propylamine	20	16.	82	20	18.	88	7	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	79	20	15.	75	5	40-140	30
Butyl benzyl phthalate	20	16.	82	20	15.	77	6	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968879-2 Analysis Date : 09/10/24 03:15	**File ID**	: 968879-2
LCSD Sample ID	: WG1968879-3 Analysis Date : 09/10/24 03:38	**File ID**	: 968879-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	17.	86	20	16.	79	8	40-140	30
Di-n-octylphthalate	20	15.	77	20	15.	74	4	40-140	30
Diethyl phthalate	20	16.	78	20	15.	77	1	40-140	30
Dimethyl phthalate	20	16.	79	20	16.	79	0	40-140	30
Benzo(a)anthracene	20	15.	74	20	14.	72	3	40-140	30
Benzo(a)pyrene	20	16.	81	20	16.	81	0	40-140	30
Benzo(b)fluoranthene	20	16.	78	20	15.	77	1	40-140	30
Benzo(k)fluoranthene	20	16.	81	20	16.	80	1	40-140	30
Chrysene	20	15.	75	20	14.	72	4	40-140	30
Acenaphthylene	20	14.	71	20	14.	72	1	45-123	30
Anthracene	20	17.	85	20	16.	79	7	40-140	30
Benzo(ghi)perylene	20	20.	98	20	20.	99	1	40-140	30
Fluorene	20	15.	74	20	14.	72	3	40-140	30
Phenanthrene	20	17.	86	20	16.	80	7	40-140	30
Dibenzo(a,h)anthracene	20	19.	97	20	19.	94	3	40-140	30
Indeno(1,2,3-cd)pyrene	20	18.	92	20	18.	90	2	40-140	30
Pyrene	20	17.	84	20	16.	78	7	26-127	30
Biphenyl	20	13.	66	20	13.	67	2	40-140	30
4-Chloroaniline	20	14.	69	20	15.	76	10	40-140	30
2-Nitroaniline	20	16.	80	20	16.	78	3	52-143	30
3-Nitroaniline	20	14.	72	20	16.	80	11	25-145	30
4-Nitroaniline	20	13.	67	20	14.	68	1	51-143	30
Dibenzofuran	20	14.	70	20	15.	75	7	40-140	30
2-Methylnaphthalene	20	14.	69	20	15.	76	10	40-140	30
1,2,4,5-Tetrachlorobenzene	20	13.	66	20	14.	70	6	2-134	30
Acetophenone	20	16.	79	20	17.	86	8	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968879-2	**Analysis Date** : 09/10/24 03:15	**File ID** : 968879-2
LCSD Sample ID	: WG1968879-3	**Analysis Date** : 09/10/24 03:38	**File ID** : 968879-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	16.	80	20	15.	76	5	30-130	30
p-Chloro-m-cresol	20	17.	86	20	18.	89	3	23-97	30
2-Chlorophenol	20	14.	70	20	16.	79	12	27-123	30
2,4-Dichlorophenol	20	16.	79	20	17.	83	5	30-130	30
2,4-Dimethylphenol	20	11.	55	20	12.	61	10	30-130	30
2-Nitrophenol	20	15.	76	20	15.	75	1	30-130	30
4-Nitrophenol	20	12.	61	20	12.	62	2	10-80	30
2,4-Dinitrophenol	20	11.	54	20	9.4	47	14	20-130	30
4,6-Dinitro-o-cresol	20	15.	77	20	15.	75	3	20-164	30
Pentachlorophenol	20	15.	73	20	13.	63	15	9-103	30
Phenol	20	9.1	45	20	9.5	48	6	12-110	30
2-Methylphenol	20	15.	76	20	15.	77	1	30-130	30
3-Methylphenol/4-Methylphenol	20	15.	77	20	16.	79	3	30-130	30
2,4,5-Trichlorophenol	20	15.	77	20	16.	82	6	30-130	30
Benzoic Acid	20	4.6	23	20	ND	0 Q	200	10-164	30
Benzyl Alcohol	20	15.	74	20	17.	84	13	26-116	30
Carbazole	20	15.	77	20	15.	76	1	55-144	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968975-2 **Analysis Date** : 09/09/24 16:01	**File ID**	: 968975-2
LCSD Sample ID	: WG1968975-3 **Analysis Date** : 09/09/24 16:23	**File ID**	: 968975-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	13.	63	20	16.	79	23	37-111	30
1,2,4-Trichlorobenzene	20	11.	57	20	15.	74	26	39-98	30
Hexachlorobenzene	20	13.	65	20	16.	80	21	40-140	30
Bis(2-chloroethyl)ether	20	12.	60	20	16.	79	27	40-140	30
2-Chloronaphthalene	20	12.	63	20	16.	80	24	40-140	30
1,2-Dichlorobenzene	20	12.	58	20	15.	75	26	40-140	30
1,3-Dichlorobenzene	20	11.	56	20	14.	72	25	40-140	30
1,4-Dichlorobenzene	20	11.	56	20	14.	71	24	36-97	30
3,3'-Dichlorobenzidine	20	12.	62	20	15.	76	20	40-140	30
2,4-Dinitrotoluene	20	15.	74	20	18.	92	22	48-143	30
2,6-Dinitrotoluene	20	15.	74	20	18.	92	22	40-140	30
Fluoranthene	20	14.	73	20	18.	92	23	40-140	30
4-Chlorophenyl phenyl ether	20	13.	64	20	15.	77	18	40-140	30
4-Bromophenyl phenyl ether	20	13.	66	20	16.	79	18	40-140	30
Bis(2-chloroisopropyl)ether	20	13.	63	20	16.	83	27	40-140	30
Bis(2-chloroethoxy)methane	20	13.	64	20	16.	82	25	40-140	30
Hexachlorobutadiene	20	12.	62	20	16.	78	23	40-140	30
Hexachlorocyclopentadiene	20	11.	54	20	13.	65	18	40-140	30
Hexachloroethane	20	12.	59	20	15.	75	24	40-140	30
Isophorone	20	13.	64	20	16.	80	22	40-140	30
Naphthalene	20	12.	61	20	15.	77	23	40-140	30
Nitrobenzene	20	13.	63	20	16.	79	23	40-140	30
NDPA/DPA	20	13.	65	20	16.	81	22	40-140	30
n-Nitrosodi-n-propylamine	20	12.	62	20	17.	84	30	29-132	30
Bis(2-ethylhexyl)phthalate	20	16.	78	20	20.	100	25	40-140	30
Butyl benzyl phthalate	20	18.	88	20	22.	110	22	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968975-2	**Analysis Date** : 09/09/24 16:01	**File ID** : 968975-2
LCSD Sample ID	: WG1968975-3	**Analysis Date** : 09/09/24 16:23	**File ID** : 968975-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	16.	81	20	20.	102	23	40-140	30
Di-n-octylphthalate	20	18.	88	20	22.	111	23	40-140	30
Diethyl phthalate	20	14.	70	20	17.	86	21	40-140	30
Dimethyl phthalate	20	14.	70	20	17.	85	19	40-140	30
Benzo(a)anthracene	20	13.	66	20	17.	84	24	40-140	30
Benzo(a)pyrene	20	14.	70	20	18.	90	25	40-140	30
Benzo(b)fluoranthene	20	13.	66	20	17.	85	25	40-140	30
Benzo(k)fluoranthene	20	14.	68	20	17.	86	23	40-140	30
Chrysene	20	12.	61	20	16.	79	26	40-140	30
Acenaphthylene	20	14.	68	20	17.	86	23	45-123	30
Anthracene	20	14.	71	20	17.	87	20	40-140	30
Benzo(ghi)perylene	20	13.	65	20	16.	82	23	40-140	30
Fluorene	20	13.	65	20	16.	81	22	40-140	30
Phenanthrene	20	13.	67	20	17.	84	23	40-140	30
Dibenzo(a,h)anthracene	20	13.	66	20	16.	83	23	40-140	30
Indeno(1,2,3-cd)pyrene	20	13.	64	20	16.	82	25	40-140	30
Pyrene	20	15.	74	20	18.	91	21	26-127	30
Biphenyl	20	12.	59	20	15.	74	23	40-140	30
4-Chloroaniline	20	9.1	46	20	11.	56	20	40-140	30
2-Nitroaniline	20	15.	76	20	18.	92	19	52-143	30
3-Nitroaniline	20	14.	70	20	18.	90	25	25-145	30
4-Nitroaniline	20	13.	65	20	15.	77	17	51-143	30
Dibenzofuran	20	13.	65	20	16.	79	19	40-140	30
2-Methylnaphthalene	20	12.	62	20	16.	80	25	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	56	20	14.	73	26	2-134	30
Acetophenone	20	12.	61	20	16.	78	24	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968975-2 **Analysis Date** : 09/09/24 16:01	**File ID**	: 968975-2
LCSD Sample ID	: WG1968975-3 **Analysis Date** : 09/09/24 16:23	**File ID**	: 968975-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	14.	70	20	18.	88	23	30-130	30
p-Chloro-m-cresol	20	14.	70	20	19.	93	28	23-97	30
2-Chlorophenol	20	12.	62	20	16.	79	24	27-123	30
2,4-Dichlorophenol	20	13.	66	20	17.	85	25	30-130	30
2,4-Dimethylphenol	20	12.	60	20	16.	78	26	30-130	30
2-Nitrophenol	20	15.	74	20	19.	94	24	30-130	30
4-Nitrophenol	20	8.7	44	20	11.	53	19	10-80	30
2,4-Dinitrophenol	20	16.	81	20	16.	81	0	20-130	30
4,6-Dinitro-o-cresol	20	17.	84	20	20.	100	17	20-164	30
Pentachlorophenol	20	15.	75	20	18.	91	19	9-103	30
Phenol	20	6.5	33	20	8.2	41	22	12-110	30
2-Methylphenol	20	12.	60	20	15.	76	24	30-130	30
3-Methylphenol/4-Methylphenol	20	12.	58	20	15.	76	27	30-130	30
2,4,5-Trichlorophenol	20	15.	76	20	19.	94	21	30-130	30
Benzoic Acid	20	16.	82	20	ND	0 Q	200	10-164	30
Benzyl Alcohol	20	12.	63	20	16.	80	24	26-116	30
Carbazole	20	14.	72	20	18.	89	21	55-144	30

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968975-1	**Lab File ID**	: 968975-1
Instrument ID	: SV112	**Extraction Date**	: 09/09/24
Matrix	: WATER	**Analysis Date**	: 09/09/24 15:38
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1968975-2LCS	WG1968975-2	09/09/24 16:01
WG1968975-3LCSD	WG1968975-3	09/09/24 16:23
MW-8B	L2450786-08	09/10/24 06:52
MW-10A	L2450786-09	09/10/24 07:18
MW-10B	L2450786-10	09/10/24 07:43
DUP	L2450786-12	09/10/24 08:08

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968879-1	**Lab File ID**	: 968879-1
Instrument ID	: SV106	**Extraction Date**	: 09/08/24
Matrix	: WATER	**Analysis Date**	: 09/10/24 02:51
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1968879-2LCS	WG1968879-2	09/10/24 03:15
WG1968879-3LCSD	WG1968879-3	09/10/24 03:38
MW-5A	L2450786-01	09/10/24 03:55
MW-5B	L2450786-02	09/10/24 04:20
MW-6A	L2450786-03	09/10/24 04:46
MW-6B	L2450786-04	09/10/24 05:11
MW-7A	L2450786-05	09/10/24 05:36
MW-7B	L2450786-06	09/10/24 06:02
MW-8A	L2450786-07	09/10/24 06:27

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/24/24 16:32
Tune Standard	: R1845372-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.3
68	Less than 2.0% of mass 69	0.8 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.2
275	10.0 - 60.0% of Base Peak	25.9
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	59.9
443	15.0 - 24.0% of mass 442	11.7 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1845372-9	ABNL9	06/24/24 16:56
ABNL8	R1845372-8	ABNL8	06/24/24 17:20
ABNL7	R1845372-7	ABNL7	06/24/24 17:43
ABNL6	R1845372-6	ABNL6	06/24/24 18:07
ABNL5	R1845372-5	ABNL5	06/24/24 18:31
ABNL4	R1845372-4	ABNL4	06/24/24 18:54
ABNL3	R1845372-3	ABNL3	06/24/24 19:18
ABNL2	R1845372-2	ABNL2	06/24/24 19:42
ABNL1	R1845372-1	ABNL1	06/24/24 20:05
AP9L9	R1845372-27	AP9L9	06/24/24 20:29
AP9L8	R1845372-26	AP9L8	06/24/24 20:53
AP9L7	R1845372-25	AP9L7	06/24/24 21:16
AP9L6	R1845372-24	AP9L6	06/24/24 21:40
AP9L5	R1845372-23	AP9L5	06/24/24 22:04
AP9L4	R1845372-22	AP9L4	06/24/24 22:28
AP9L3	R1845372-21	AP9L3	06/24/24 22:52
AP9L2	R1845372-20	AP9L2	06/24/24 23:15
AP9L1	R1845372-19	AP9L1	06/24/24 23:39
ABN ICV Quant Report	R1845372-28	ABNICV	06/25/24 00:03
AP9 ICV Quant Report	R1845372-30	AP9ICV	06/25/24 00:27

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/25/24 00:51
Tune Standard	: R1845372-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.4
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.6
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	62.7
443	15.0 - 24.0% of mass 442	12.2 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1845372-18	ADPL9	06/25/24 01:14
ADPL8	R1845372-17	ADPL8	06/25/24 01:38
ADPL7	R1845372-16	ADPL7	06/25/24 02:02
ADPL6	R1845372-14	ADPL6	06/25/24 02:26
ADPL5	R1845372-15	ADPL5	06/25/24 02:49
ADPL4	R1845372-12	ADPL4	06/25/24 03:13
ADPL3	R1845372-13	ADPL3	06/25/24 03:37
ADPL2	R1845372-11	ADPL2	06/25/24 04:01
ADPL1	R1845372-10	ADPL1	06/25/24 04:24
ADP ICV Quant Report	R1845372-29	ADPICV	06/25/24 04:48

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 09/09/24 22:55
Tune Standard	: WG1968644-1	**Tune File ID**	: DEG0909n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.3
68	Less than 2.0% of mass 69	0.4 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	41.7
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	15.6
442	Base Peak, or >50% of mass 198	83.7
443	15.0 - 24.0% of mass 442	16.1 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1968644-6TFACTOR-P	WG1968644-6	DEG0909N	09/09/24 22:55
WG1968644-7TFACTOR-B	WG1968644-7	DEG0909N	09/09/24 22:55
WG1968644-3CCAL	WG1968644-3	ABN0909N	09/09/24 23:19
WG1968644-4CCAL	WG1968644-4	AP90909N	09/09/24 23:42
WG1968644-5CCAL	WG1968644-5	ADP0909N	09/10/24 00:06
WG1968879-1BLANK	WG1968879-1	968879-1	09/10/24 02:51
WG1968879-2LCS	WG1968879-2	968879-2	09/10/24 03:15
WG1968879-3LCSD	WG1968879-3	968879-3	09/10/24 03:38

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV112	**Analysis Date**	: 06/25/24 19:55
Tune Standard	: R1846237-4	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.6
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	28.2
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	74
443	15.0 - 24.0% of mass 442	14.8 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1846237-14	ABNL9	06/25/24 20:18
ABNL8	R1846237-13	ABNL8	06/25/24 20:41
ABNL7	R1846237-12	ABNL7	06/25/24 21:04
ABNL6	R1846237-11	ABNL6	06/25/24 21:27
ABNL5	R1846237-10	ABNL5	06/25/24 21:50
ABNL4	R1846237-9	ABNL4	06/25/24 22:14
ABNL3	R1846237-8	ABNL3	06/25/24 22:37
ABNL2	R1846237-7	ABNL2	06/25/24 23:00
ABNL1	R1846237-6	ABNL1	06/25/24 23:23
AP9L9	R1846237-32	AP9L9	06/25/24 23:47
AP9L8	R1846237-31	AP9L8	06/26/24 00:10
AP9L7	R1846237-29	AP9L7	06/26/24 00:33
AP9L6	R1846237-30	AP9L6	06/26/24 00:56
AP9L5	R1846237-28	AP9L5	06/26/24 01:19
AP9L4	R1846237-27	AP9L4	06/26/24 01:43
AP9L3	R1846237-25	AP9L3	06/26/24 02:06
AP9L2	R1846237-26	AP9L2	06/26/24 02:29
AP9L1	R1846237-24	AP9L1	06/26/24 02:52
ABN ICV Quant Report	R1846237-1	ABNICV	06/26/24 03:16
AP9 ICV Quant Report	R1846237-3	AP9ICV	06/26/24 03:39

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV112	**Analysis Date**	: 06/26/24 04:02
Tune Standard	: R1846237-5	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.5
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	74.9
443	15.0 - 24.0% of mass 442	14.9 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1846237-23	ADPL9	06/26/24 04:25
ADPL8	R1846237-22	ADPL8	06/26/24 04:48
ADPL7	R1846237-20	ADPL7	06/26/24 05:11
ADPL6	R1846237-21	ADPL6	06/26/24 05:35
ADPL5	R1846237-18	ADPL5	06/26/24 05:58
ADPL4	R1846237-19	ADPL4	06/26/24 06:21
ADPL3	R1846237-17	ADPL3	06/26/24 06:44
ADPL2	R1846237-16	ADPL2	06/26/24 07:08
ADPL1	R1846237-15	ADPL1	06/26/24 07:31
ADP ICV Quant Report	R1846237-2	ADPICV	06/26/24 07:54

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV112	**Analysis Date**	: 09/09/24 13:00
Tune Standard	: WG1969270-1	**Tune File ID**	: DEG0909_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	31.1
68	Less than 2.0% of mass 69	0.6 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.2
275	10.0 - 60.0% of Base Peak	27.9
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	17.7
442	Base Peak, or >50% of mass 198	63.4
443	15.0 - 24.0% of mass 442	12.9 (20.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1969270-6TFACTOR-B	WG1969270-6	DEG0909	09/09/24 13:00
WG1969270-7TFACTOR-P	WG1969270-7	DEG0909	09/09/24 13:00
WG1969270-3CCAL	WG1969270-3	ABN0909	09/09/24 13:23
WG1969270-4CCAL	WG1969270-4	AP90909	09/09/24 13:45
WG1969270-5CCAL	WG1969270-5	ADP0909	09/09/24 14:08
WG1968975-1BLANK	WG1968975-1	968975-1	09/09/24 15:38
WG1968975-2LCS	WG1968975-2	968975-2	09/09/24 16:01
WG1968975-3LCSD	WG1968975-3	968975-3	09/09/24 16:23

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV107	**Analysis Date**	: 07/30/24 19:00
Tune Standard	: R1859825-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.5
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.1
197	Less than 2.0% of mass 198	0.8
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.7
365	Greater than 1.0% of mass 198	2.4
441	Present, but less than 24% of mass 442	16.2
442	Base Peak, or >50% of mass 198	85
443	15.0 - 24.0% of mass 442	16.9 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1859825-9	ABNL9	07/30/24 19:25
ABNL8	R1859825-8	ABNL8	07/30/24 19:51
ABNL7	R1859825-7	ABNL7	07/30/24 20:16
ABNL6	R1859825-5	ABNL6	07/30/24 20:42
ABNL5	R1859825-6	ABNL5	07/30/24 21:08
ABNL4	R1859825-4	ABNL4	07/30/24 21:33
ABNL3	R1859825-3	ABNL3	07/30/24 21:59
ABNL2	R1859825-2	ABNL2	07/30/24 22:24
ABNL1	R1859825-1	ABNL1	07/30/24 22:50
AP9L9	R1859825-27	AP9L9	07/30/24 23:15
AP9L8	R1859825-26	AP9L8	07/30/24 23:40
AP9L7	R1859825-24	AP9L7	07/31/24 00:06
AP9L6	R1859825-25	AP9L6	07/31/24 00:31
AP9L5	R1859825-23	AP9L5	07/31/24 00:57
AP9L4	R1859825-21	AP9L4	07/31/24 01:22
AP9L3	R1859825-22	AP9L3	07/31/24 01:47
AP9L2	R1859825-20	AP9L2	07/31/24 02:13
AP9L1	R1859825-19	AP9L1	07/31/24 02:38
ABN ICV Quant Report	R1859825-28	ABNICV	07/31/24 03:03
AP9 ICV Quant Report	R1859825-30	AP9ICV	07/31/24 03:29

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV107	**Analysis Date**	: 07/31/24 03:54
Tune Standard	: R1859825-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30.9
68	Less than 2.0% of mass 69	0.4 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	44.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22
365	Greater than 1.0% of mass 198	2.5
441	Present, but less than 24% of mass 442	17
442	Base Peak, or >50% of mass 198	85
443	15.0 - 24.0% of mass 442	17 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1859825-18	ADPL9	07/31/24 04:19
ADPL8	R1859825-17	ADPL8	07/31/24 04:45
ADPL7	R1859825-16	ADPL7	07/31/24 05:10
ADPL6	R1859825-15	ADPL6	07/31/24 05:35
ADPL5	R1859825-14	ADPL5	07/31/24 06:01
ADPL4	R1859825-12	ADPL4	07/31/24 06:26
ADPL3	R1859825-13	ADPL3	07/31/24 06:52
ADPL2	R1859825-11	ADPL2	07/31/24 07:17
ADPL1	R1859825-10	ADPL1	07/31/24 07:43
ADP ICV Quant Report	R1859825-29	ADPICV	07/31/24 08:08

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV107	**Analysis Date**	: 09/10/24 00:58
Tune Standard	: WG1968646-1	**Tune File ID**	: DEG0909a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.6
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	48.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	19.8
365	Greater than 1.0% of mass 198	1.9
441	Present, but less than 24% of mass 442	16.1
442	Base Peak, or >50% of mass 198	52.3
443	15.0 - 24.0% of mass 442	10.7 (20.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1968646-6TFACTOR-P	WG1968646-6	DEG0909A	09/10/24 00:58
WG1968646-7TFACTOR-B	WG1968646-7	DEG0909A	09/10/24 00:58
WG1968646-3CCAL	WG1968646-3	ABN0909	09/10/24 01:23
WG1968646-4CCAL	WG1968646-4	AP90909	09/10/24 01:48
WG1968646-5CCAL	WG1968646-5	ADP0909	09/10/24 02:14
MW-5A	L2450786-01	50786-01	09/10/24 03:55
MW-5B	L2450786-02	50786-02	09/10/24 04:20
MW-6A	L2450786-03	50786-03	09/10/24 04:46
MW-6B	L2450786-04	50786-04	09/10/24 05:11
MW-7A	L2450786-05	50786-05	09/10/24 05:36
MW-7B	L2450786-06	50786-06	09/10/24 06:02
MW-8A	L2450786-07	50786-07	09/10/24 06:27
MW-8B	L2450786-08	50786-08	09/10/24 06:52
MW-10A	L2450786-09	50786-09	09/10/24 07:18
MW-10B	L2450786-10	50786-10	09/10/24 07:43
DUP	L2450786-12	50786-12	09/10/24 08:08

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV112	**Analysis Date**	: 09/09/24 13:23:00
Sample No	: WG1969270-3	**Lab File ID**	: ABN0909

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1969270-3	31987	3.65	122680	4.90	82429	6.59
Upper Limit	63974	4.15	245360	5.40	164858	7.09
Lower Limit	15994	3.15	61340	4.40	41215	6.09
Sample ID						
WG1969270-4 CCAL	30314	3.65	114336	4.90	74590	6.59
WG1969270-5 CCAL	23007	3.65	-	-	54174	6.59
WG1968975-1 BLANK	30509	3.65	111035	4.91	71321	6.59
WG1968975-2 LCS	29517	3.65	110801	4.91	71244	6.59
WG1968975-3 LCSD	25294	3.65	96175	4.90	62093	6.59

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV112	**Analysis Date**	: 09/09/24 13:23:00
Sample No	: WG1969270-3	**Lab File ID**	: ABN0909

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1969270-3	192675	7.98	210015	10.49	248461	11.83
Upper Limit	385350	8.48	420030	10.99	496922	12.33
Lower Limit	96338	7.48	105008	9.99	124231	11.33
Sample ID						
WG1969270-4 CCAL	179512	7.98	-	-	-	-
WG1969270-5 CCAL	118445	7.98	-	-	-	-
WG1968975-1 BLANK	154947	7.98	181206	10.48	217635	11.83
WG1968975-2 LCS	155697	7.98	185914	10.48	216043	11.83
WG1968975-3 LCSD	133274	7.98	155668	10.48	181245	11.83

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 09/09/24 23:19:00
Sample No	: WG1968644-3	**Lab File ID**	: ABN0909N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1968644-3	29408	5.91	103126	7.40	67620	9.16
Upper Limit	58816	6.41	206252	7.90	135240	9.66
Lower Limit	14704	5.41	51563	6.90	33810	8.66
Sample ID						
WG1968644-4 CCAL	35778	5.91	126202	7.40	83428	9.16
WG1968644-5 CCAL	36164	5.91	-	-	81551	9.16
WG1968879-1 BLANK	24478	5.91	87332	7.40	54859	9.17
WG1968879-2 LCS	27982	5.91	100925	7.40	66750	9.17
WG1968879-3 LCSD	26363	5.91	96865	7.40	63651	9.17

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 09/09/24 23:19:00
Sample No	: WG1968644-3	**Lab File ID**	: ABN0909N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1968644-3	136945	10.59	143932	13.17	167404	14.60
Upper Limit	273890	11.09	287864	13.67	334808	15.10
Lower Limit	68473	10.09	71966	12.67	83702	14.10
Sample ID						
WG1968644-4 CCAL	179931	10.59	-	-	-	-
WG1968644-5 CCAL	173380	10.59	-	-	-	-
WG1968879-1 BLANK	111708	10.59	116895	13.17	126032	14.60
WG1968879-2 LCS	125376	10.59	133018	13.17	147455	14.60
WG1968879-3 LCSD	127799	10.59	135769	13.17	152234	14.60

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV107	**Analysis Date**	: 09/10/24 01:23:00
Sample No	: WG1968646-3	**Lab File ID**	: ABN0909

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1968646-3	9458	6.10	35772	7.56	20700	9.32
Upper Limit	18916	6.60	71544	8.06	41400	9.82
Lower Limit	4729	5.60	17886	7.06	10350	8.82
Sample ID						
WG1968646-4 CCAL	13914	6.10	43321	7.56	29241	9.32
WG1968646-5 CCAL	13789	6.10	-	-	23350	9.32
MW-5A	9538	6.10	35461	7.56	20947	9.32
MW-5B	9695	6.10	25284	7.56	21957	9.32
MW-6A	10627	6.10	39044	7.56	15077	9.32
MW-6B	9489	6.10	29674	7.56	20926	9.32
MW-7A	10120	6.10	35911	7.56	17663	9.32
MW-7B	8211	6.10	36335	7.56	20362	9.32
MW-8A	10232	6.10	31924	7.56	20918	9.32
MW-8B	11374	6.10	41208	7.56	23676	9.32
MW-10A	11878	6.10	42514	7.56	22047	9.32
MW-10B	11964	6.10	42705	7.56	22382	9.32
DUP	11010	6.10	40526	7.56	15266	9.32

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV107	**Analysis Date**	: 09/10/24 01:23:00
Sample No	: WG1968646-3	**Lab File ID**	: ABN0909

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1968646-3	39044	10.75	32863	13.36	35067	14.80
Upper Limit	78088	11.25	65726	13.86	70134	15.30
Lower Limit	19522	10.25	16432	12.86	17534	14.30
Sample ID						
WG1968646-4 CCAL	56947	10.75	-	-	-	-
WG1968646-5 CCAL	57227	10.75	-	-	-	-
MW-5A	38903	10.75	28330	13.36	33273	14.80
MW-5B	42154	10.75	33217	13.36	33789	14.80
MW-6A	40428	10.75	32860	13.36	32808	14.81
MW-6B	38792	10.75	32238	13.36	31255	14.80
MW-7A	37966	10.75	30263	13.36	30413	14.82
MW-7B	38460	10.75	33909	13.36	33083	14.80
MW-8A	39096	10.75	33420	13.36	33587	14.81
MW-8B	44586	10.75	35101	13.36	35408	14.81
MW-10A	45444	10.75	38366	13.36	39184	14.80
MW-10B	29749	10.75	37450	13.36	37928	14.82
DUP	43982	10.75	36691	13.36	36732	14.82

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
Benzidine	92-87-5	551.1	181.028	ug/kg	10-66	50	10-66	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Azobenzene	122-66-7	167	16.032	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
Aniline	62-53-3	200.4	78.824	ug/kg	40-140	50	40-140	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
1-Methylnaphthalene	90-12-0	167	19.372	ug/kg	26-130	50	26-130	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
n-Nitrosodimethylamine	62-75-9	334	32.064	ug/kg	22-100	50	22-100	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
Pyridine	110-86-1	180.36	63.46	ug/kg	10-93	50	10-93	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 03:55
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 03:55
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.5	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 03:55
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:20
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:20
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.8	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:20
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:46
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:46
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 04:46
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.9	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:11
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:36
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-05	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:36
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-05	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.8	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:36
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-05	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:02
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-06	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:02
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-06	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.0	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:02
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-06	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:27
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:27
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	4.6	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:27
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:52
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:52
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:52
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:18
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:18
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.0	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:18
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:43
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:43
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 07:43
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 08:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-12	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 08:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-12	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 08:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 50786-12	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968879-1	**Date Collected**	: NA
Client ID	: WG1968879-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 02:51
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968879-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968879-1	**Date Collected**	: NA
Client ID	: WG1968879-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 02:51
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968879-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968879-1	**Date Collected**	: NA
Client ID	: WG1968879-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 02:51
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968879-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968879-1	**Date Collected**	: NA
Client ID	: WG1968879-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 02:51
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968879-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968975-1	**Date Collected**	: NA
Client ID	: WG1968975-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/09/24 15:38
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968975-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968975-1	**Date Collected**	: NA
Client ID	: WG1968975-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/09/24 15:38
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968975-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968975-1	**Date Collected**	: NA
Client ID	: WG1968975-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/09/24 15:38
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968975-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968975-1	**Date Collected**	: NA
Client ID	: WG1968975-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/09/24 15:38
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 968975-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 3:55 am
Operator : SV107:jg
Sample : L2450786-01,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 13:21:15 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	9538	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 100.85%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	9538	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 68.55%			
35) IS1_Naphthalene-d8	7.557	136	35461	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 99.13%			
55) IS2_Naphthalene-d8	7.557	136	35461	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 81.86%			
63) IS1_Acenaphthene-d10	9.322	164	20947	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 101.19%			
83) IS2_Acenaphthene-d10	9.322	164	20947	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 71.64%			
86) IS3_Acenaphthene-d10	9.322	164	20947	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 89.71%			
88) IS1_Phenanthrene-d10	10.751	188	38903	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 99.64%			
100) IS3_Phenanthrene-d10	10.751	188	38903	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 67.98%			
104) IS1_Chrysene-d12	13.357	240	28330	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 86.21%			
113) IS1_Perylene-d12	14.804	264	33273	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 94.88%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.910	112	1518	0.590	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.50%			
7) Phenol-d6	5.739	99	2105	0.625	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.25%			
19) Nitrobenzene-d5	6.786	82	2384	0.731	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.10%			
46) 2-Fluorobiphenyl	8.692	172	5963	0.747	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.70%			
79) 2,4,6-Tribromophenol	10.086	330	415	0.423	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 21.15%			
96) 4-Terphenyl-d14	12.333	244	6760	0.735	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.50%			

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 3:55 am
Operator : SV107:jg
Sample : L2450786-01,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 13:21:15 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.751	94	574	0.154	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 3:55 am
Operator : SV107:jg
Sample : L2450786-01,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 13:21:15 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

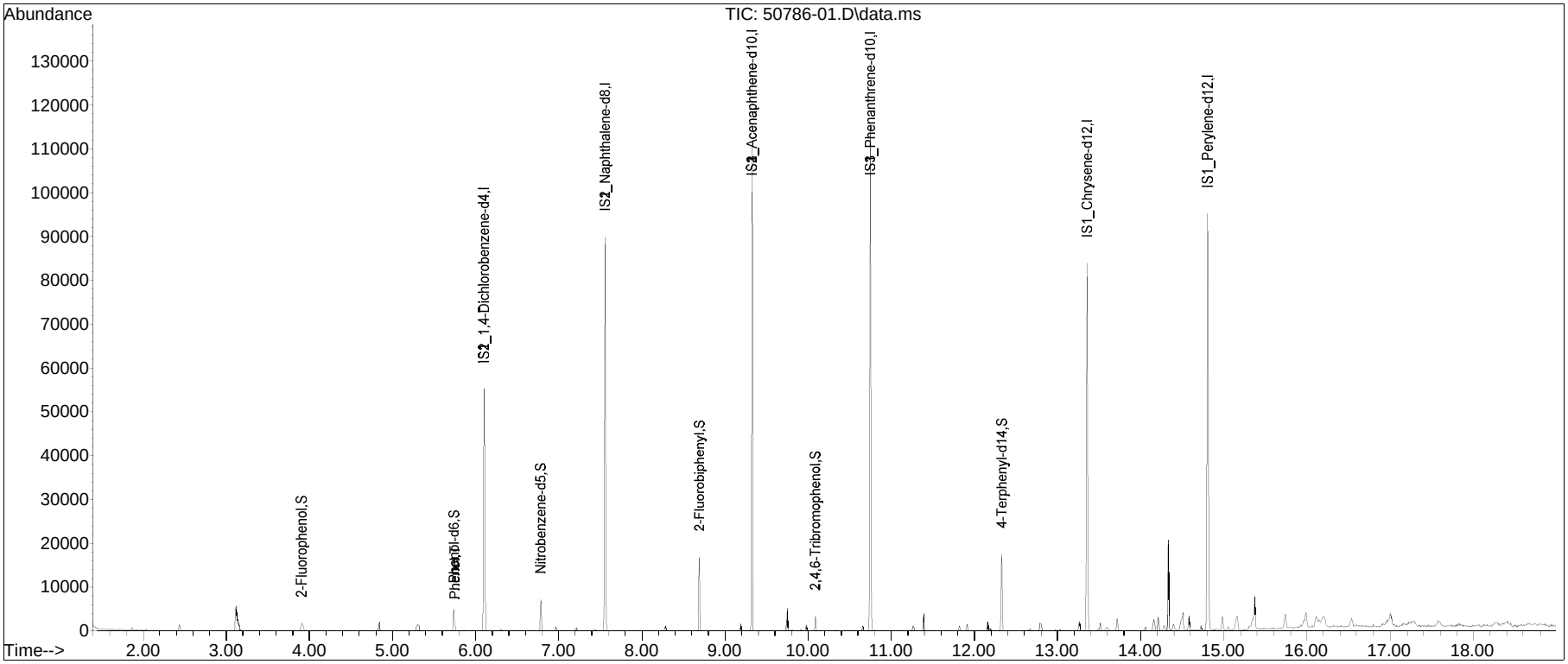
(#) = qualifier out of range (m) = manual integration (+) = signals summed

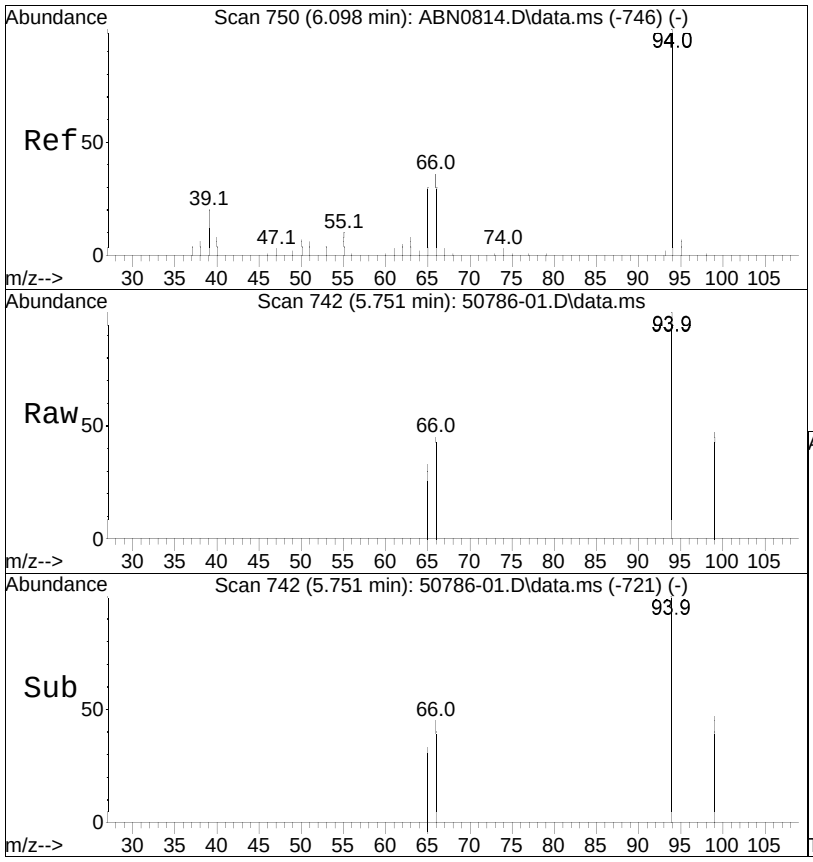
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 3:55 am
Operator : SV107:jg
Sample : L2450786-01,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 13:21:15 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

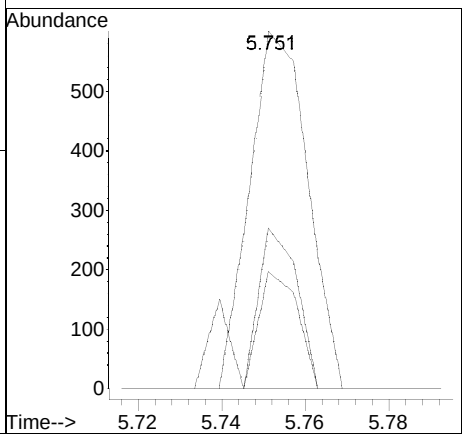




#8
Phenol
Concen: 0.15 ug/ml
RT: 5.751 min Scan# 742
Delta R.T. -0.000 min
Lab File: 50786-01.D
Acq: 10 Sep 2024 3:55 am

Tgt Ion: 94 Resp: 574

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-01.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 3:55 am	Instrument	: SV107
Sample	: L2450786-01,32,,ASK	Quant Date	: 9/10/2024 4:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 4:20 am
Operator : SV107:jg
Sample : L2450786-02,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:25:54 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	9695	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 102.51%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	9695	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 69.68%			
35) IS1_Naphthalene-d8	7.557	136	25284	4.000	ug/ml	# 0.00
Standard Area 1 = 35772			Recovery = 70.68%			
55) IS2_Naphthalene-d8	7.557	136	25284	4.000	ug/ml	# 0.00
Standard Area 3 = 43321			Recovery = 58.36%			
63) IS1_Acenaphthene-d10	9.322	164	21957	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 106.07%			
83) IS2_Acenaphthene-d10	9.322	164	21957	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 75.09%			
86) IS3_Acenaphthene-d10	9.322	164	21957	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 94.03%			
88) IS1_Phenanthrene-d10	10.751	188	42154	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 107.97%			
100) IS3_Phenanthrene-d10	10.751	188	42154	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 73.66%			
104) IS1_Chrysene-d12	13.357	240	33217	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 101.08%			
113) IS1_Perylene-d12	14.804	264	33789	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 96.36%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.916	112	1257	0.480	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 24.00%			
7) Phenol-d6	5.740	99	2353	0.687	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.35%			
19) Nitrobenzene-d5	6.787	82	2434	0.734	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.40%			
46) 2-Fluorobiphenyl	8.692	172	6123	1.076	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 107.60%			
79) 2,4,6-Tribromophenol	10.092	330	359M2	0.349	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 17.45%			
96) 4-Terphenyl-d14	12.333	244	6843	0.687	ug/ml	0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 4:20 am
Operator : SV107:jg
Sample : L2450786-02,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:25:54 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.70%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.751	94	677	0.178	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 4:20 am
Operator : SV107:jg
Sample : L2450786-02,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:25:54 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	0.000		0		N.D.	
72)	Diethyl phthalate	0.000		0		N.D.	
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	

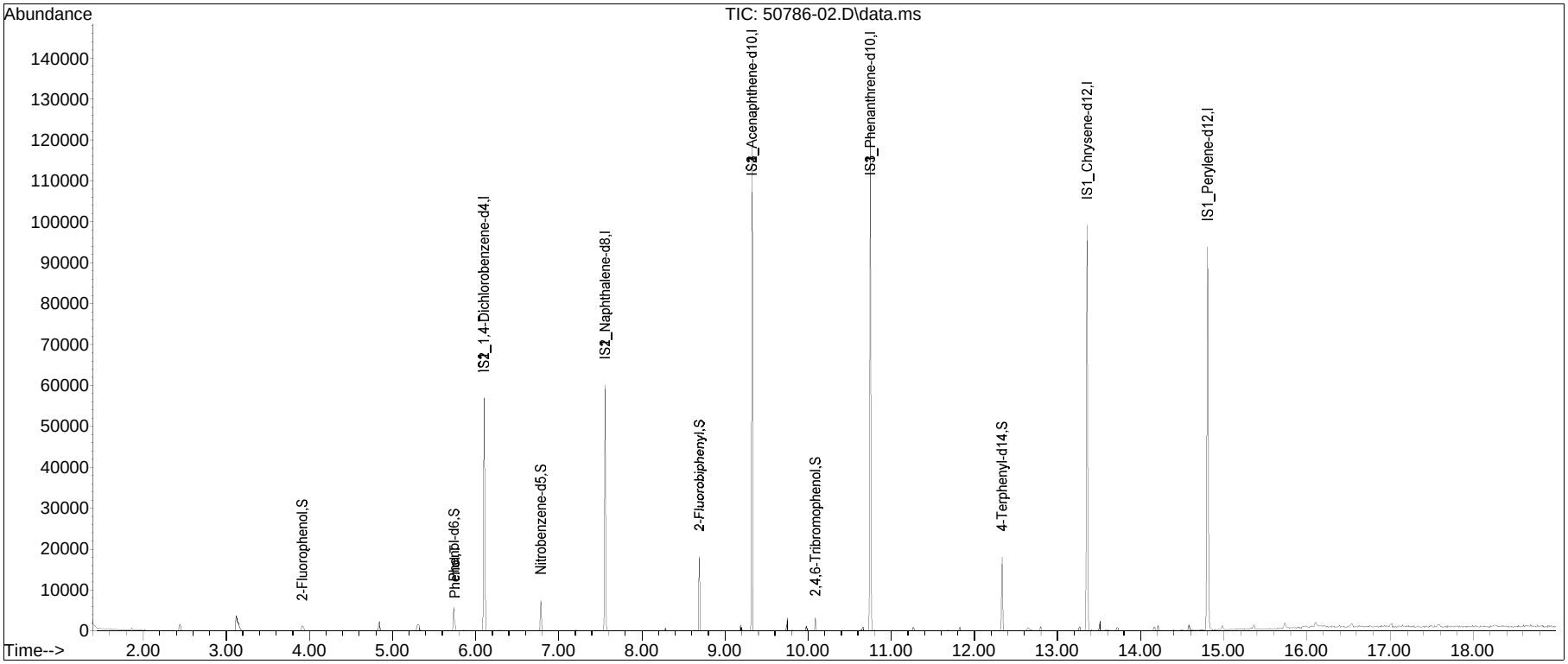
(#) = qualifier out of range (m) = manual integration (+) = signals summed

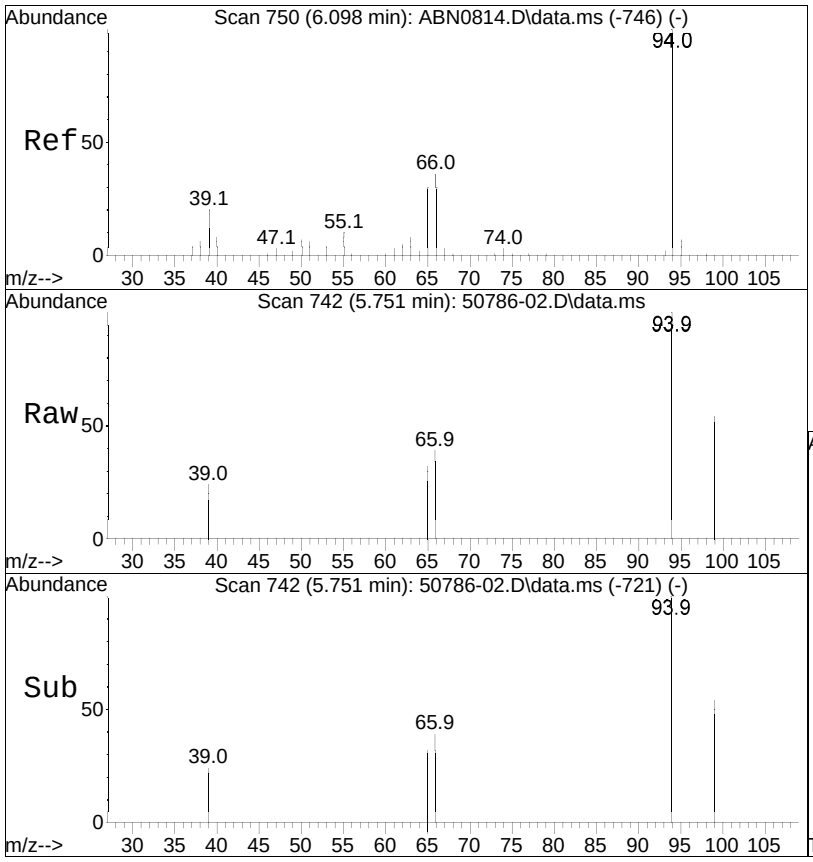
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 4:20 am
Operator : SV107:jg
Sample : L2450786-02,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 13:25:54 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

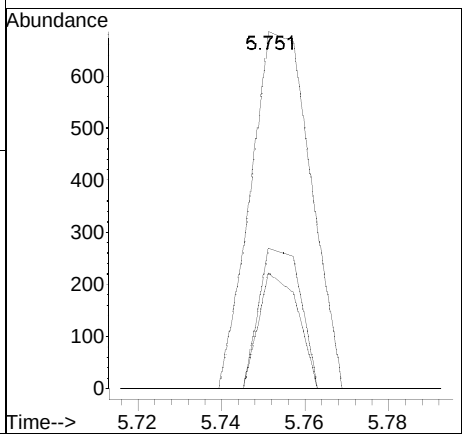




#8
Phenol
Concen: 0.18 ug/ml
RT: 5.751 min Scan# 742
Delta R.T. 0.000 min
Lab File: 50786-02.D
Acq: 10 Sep 2024 4:20 am

Tgt Ion: 94 Resp: 677

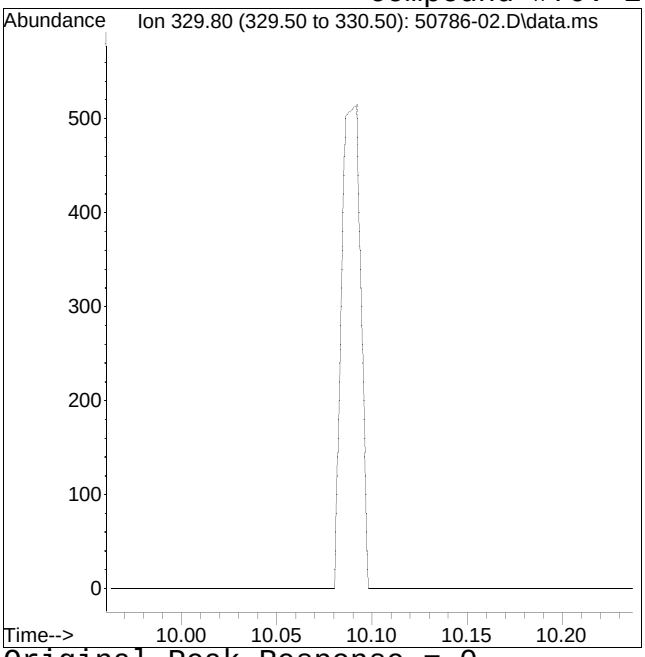
Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#



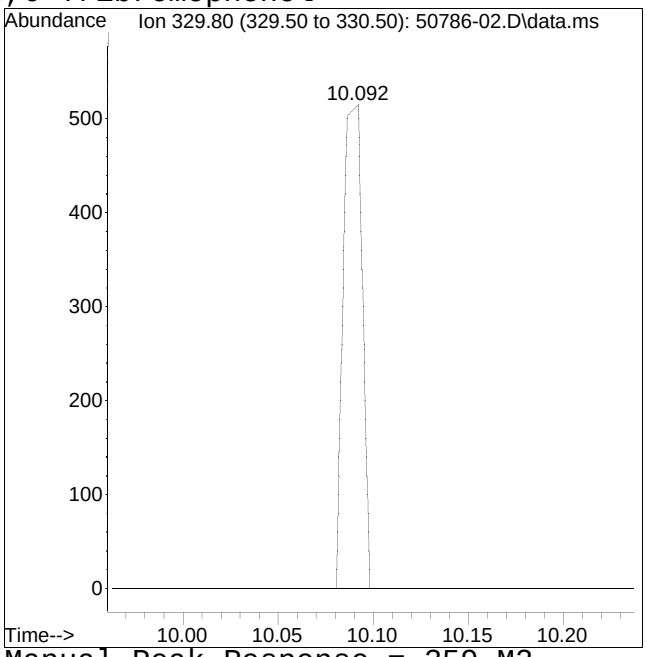
Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-02.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 4:20 am	Instrument	: SV107
Sample	: L2450786-02,32,,ASK	Quant Date	: 9/10/2024 4:40 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 359 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 4:46 am
Operator : SV107:jg
Sample : L2450786-03,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:26:21 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	10627	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 112.36%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	10627	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 76.38%			
35) IS1_Naphthalene-d8	7.557	136	39044	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 109.15%			
55) IS2_Naphthalene-d8	7.557	136	39044	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 90.13%			
63) IS1_Acenaphthene-d10	9.322	164	15077	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 72.84%			
83) IS2_Acenaphthene-d10	9.322	164	15077	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 51.56%			
86) IS3_Acenaphthene-d10	9.322	164	15077	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 64.57%			
88) IS1_Phenanthrene-d10	10.751	188	40428	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 103.54%			
100) IS3_Phenanthrene-d10	10.751	188	40428	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 70.64%			
104) IS1_Chrysene-d12	13.357	240	32860	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 99.99%			
113) IS1_Perylene-d12	14.809	264	32808	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 93.56%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.904	112	836	0.291	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 14.55%#			
7) Phenol-d6	5.739	99	2062	0.549	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.45%			
19) Nitrobenzene-d5	6.786	82	2511	0.691	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.10%			
46) 2-Fluorobiphenyl	8.692	172	5259	0.599	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.90%			
79) 2,4,6-Tribromophenol	10.092	330	249M2	0.353	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 17.65%			
96) 4-Terphenyl-d14	12.333	244	6339	0.663	ug/ml	0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 4:46 am
Operator : SV107:jg
Sample : L2450786-03,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:26:21 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.30%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 4:46 am
Operator : SV107:jg
Sample : L2450786-03,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:26:21 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	0.000		0		N.D.	
72)	Diethyl phthalate	0.000		0		N.D.	
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	

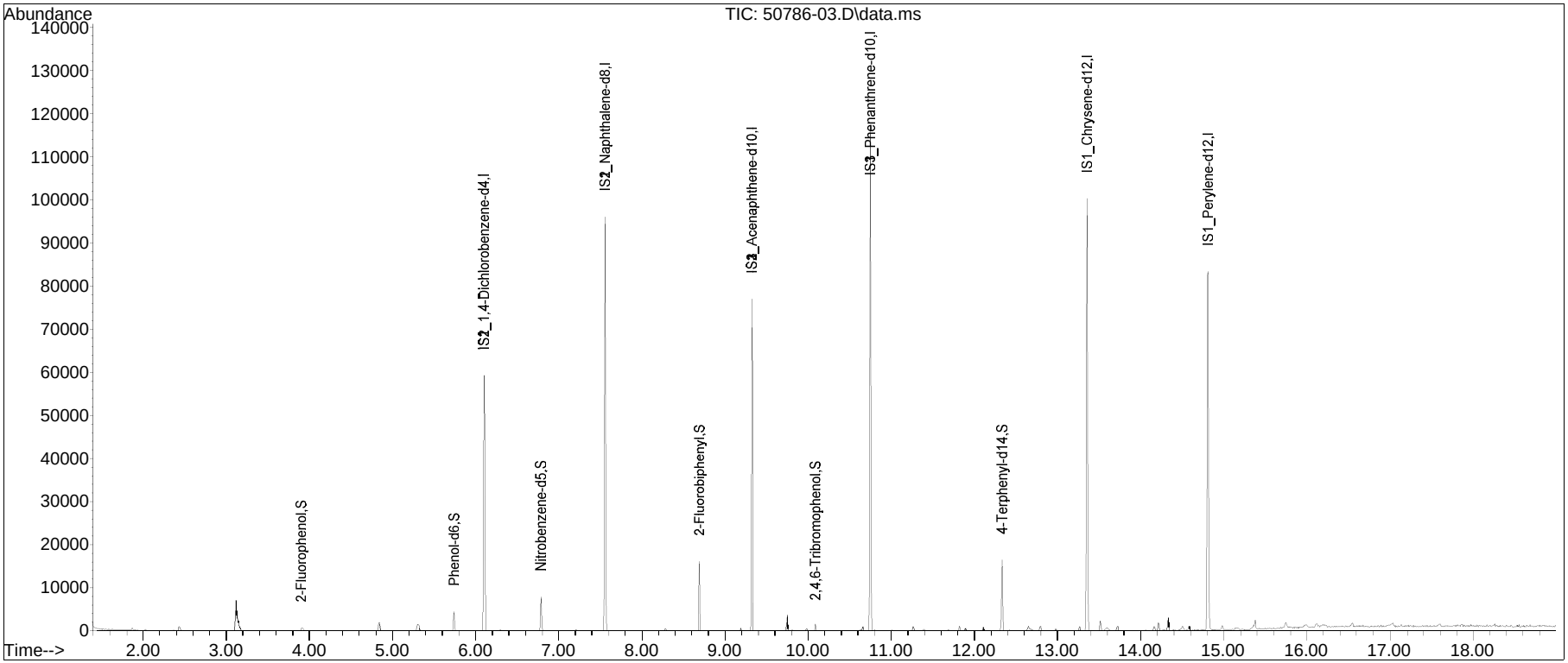
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 4:46 am
Operator : SV107:jg
Sample : L2450786-03,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 13:26:21 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

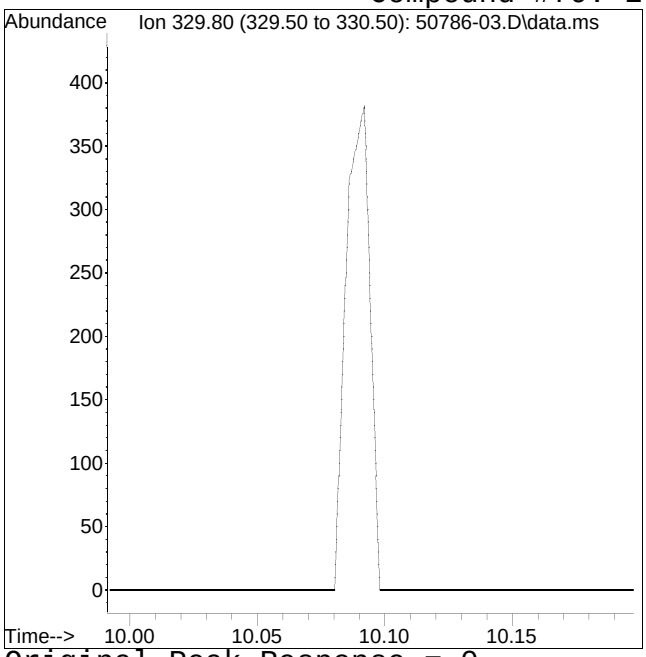


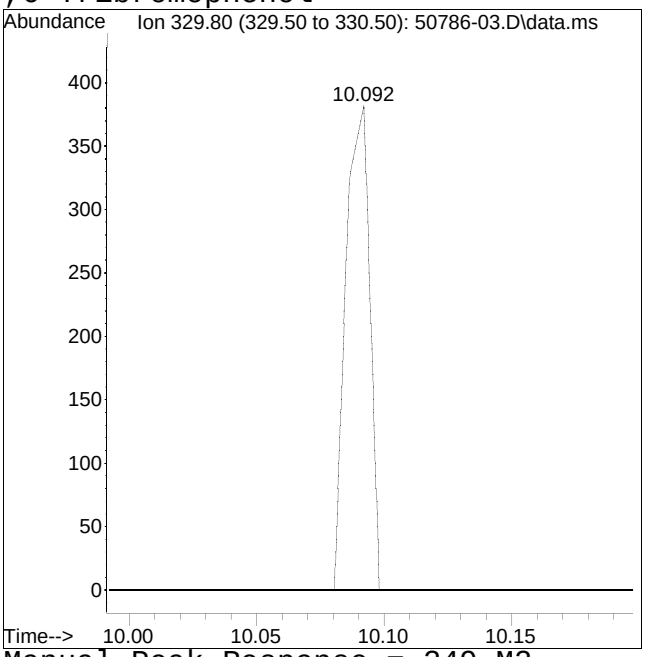
Manual Integration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-03.D
Date Inj'd : 9/10/2024 4:46 am
Sample : L2450786-03,32,,ASK

QMethod : FS240730SV107RVT.m
Operator : SV107:jg
Instrument : SV107
Quant Date : 9/10/2024 5:05 am

Compound #79: 2,4,6-Tribromophenol





Original Peak Response = 0 Manual Peak Response = 249 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 5:11 am
Operator : SV107:jg
Sample : L2450786-04,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:26:30 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	9489	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 100.33%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	9489	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 68.20%			
35) IS1_Naphthalene-d8	7.557	136	29674	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 82.95%			
55) IS2_Naphthalene-d8	7.557	136	29674	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 68.50%			
63) IS1_Acenaphthene-d10	9.322	164	20926	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 101.09%			
83) IS2_Acenaphthene-d10	9.322	164	20926	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 71.56%			
86) IS3_Acenaphthene-d10	9.322	164	20926	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 89.62%			
88) IS1_Phenanthrene-d10	10.751	188	38792	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 99.35%			
100) IS3_Phenanthrene-d10	10.751	188	38792	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 67.79%			
104) IS1_Chrysene-d12	13.357	240	32238	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 98.10%			
113) IS1_Perylene-d12	14.804	264	31255	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 89.13%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.916	112	790	0.308	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 15.40%			
7) Phenol-d6	5.740	99	1744	0.520	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.00%			
19) Nitrobenzene-d5	6.787	82	2207	0.680	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.00%			
46) 2-Fluorobiphenyl	8.692	172	6035	0.904	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 90.40%			
79) 2,4,6-Tribromophenol	10.086	330	221M2	0.226	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.30%#			
96) 4-Terphenyl-d14	12.333	244	6814	0.743	ug/ml	0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 5:11 am
Operator : SV107:jg
Sample : L2450786-04,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:26:30 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.30%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.751	94	701	0.189	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 5:11 am
Operator : SV107:jg
Sample : L2450786-04,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:26:30 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	4-Nitrophenol	0.000		0		N.D.	
72)	Diethyl phthalate	0.000		0		N.D.	
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	

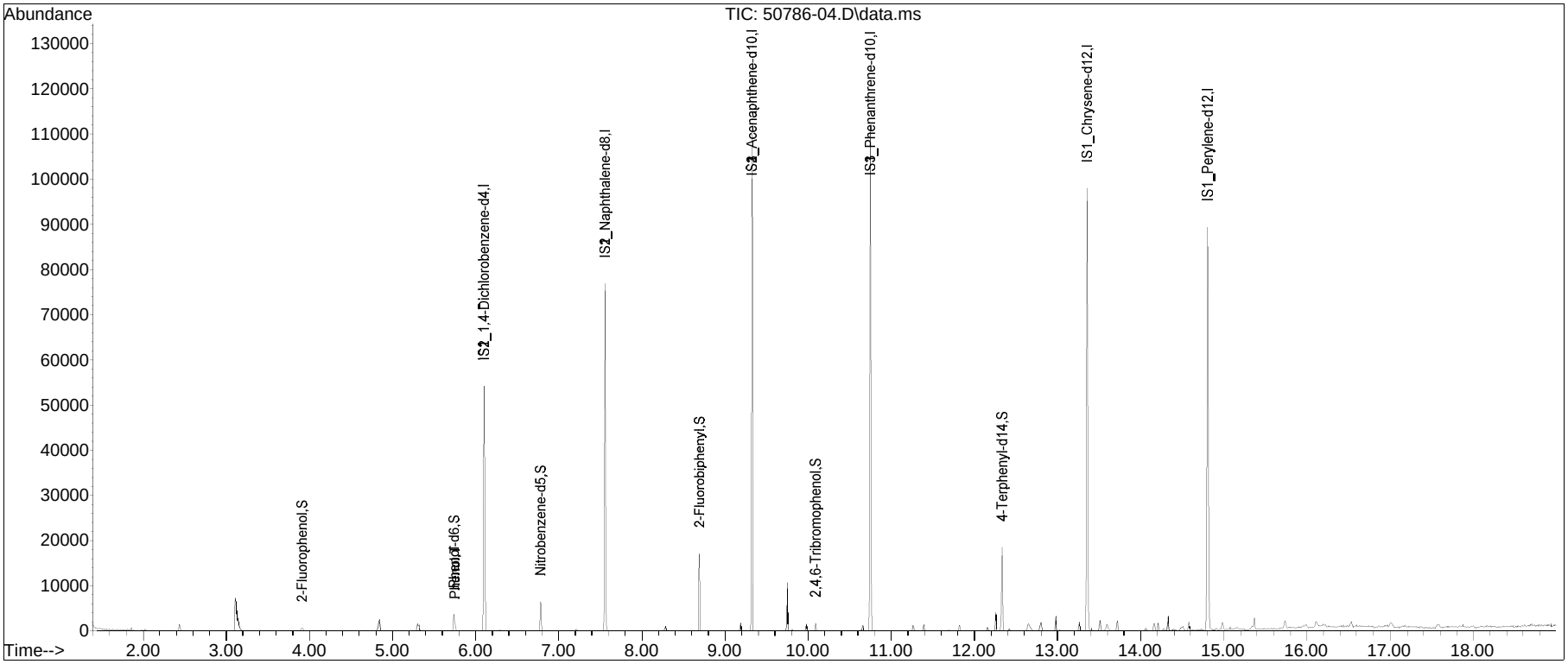
(#) = qualifier out of range (m) = manual integration (+) = signals summed

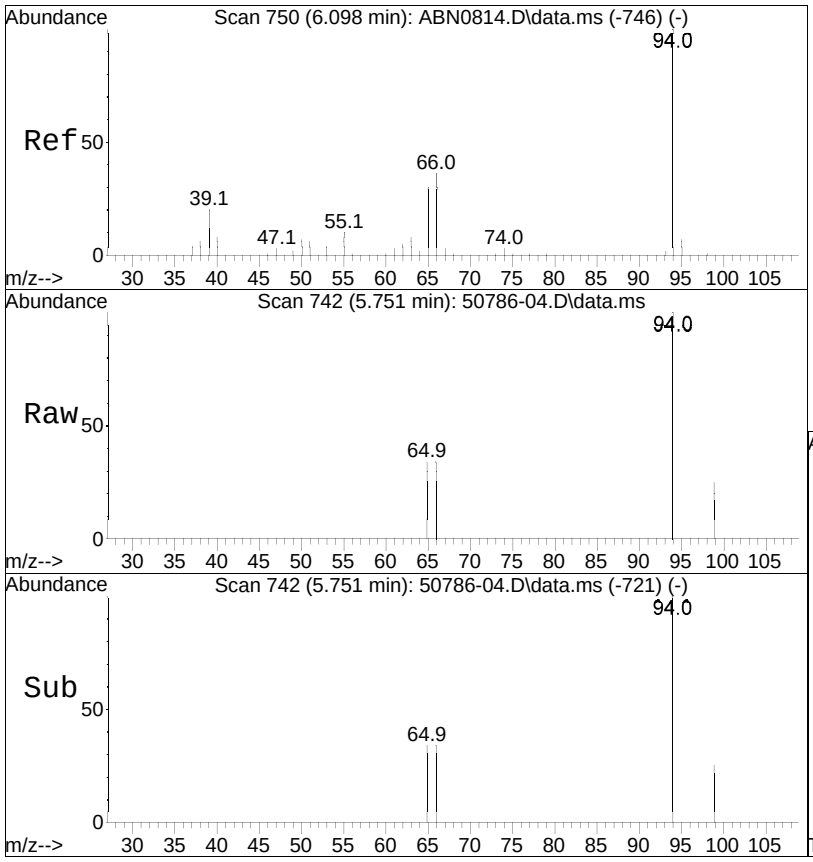
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 5:11 am
Operator : SV107:jg
Sample : L2450786-04,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:26:30 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

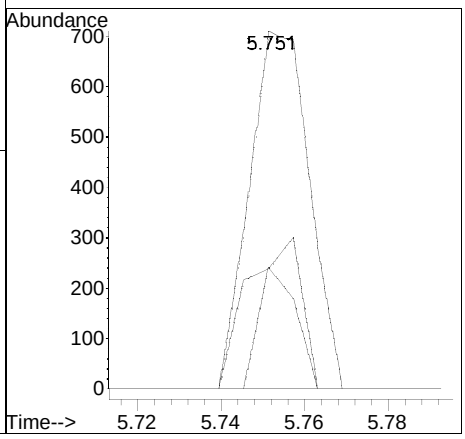




#8
Phenol
Concen: 0.19 ug/ml
RT: 5.751 min Scan# 742
Delta R.T. 0.000 min
Lab File: 50786-04.D
Acq: 10 Sep 2024 5:11 am

Tgt Ion: 94 Resp: 701

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#

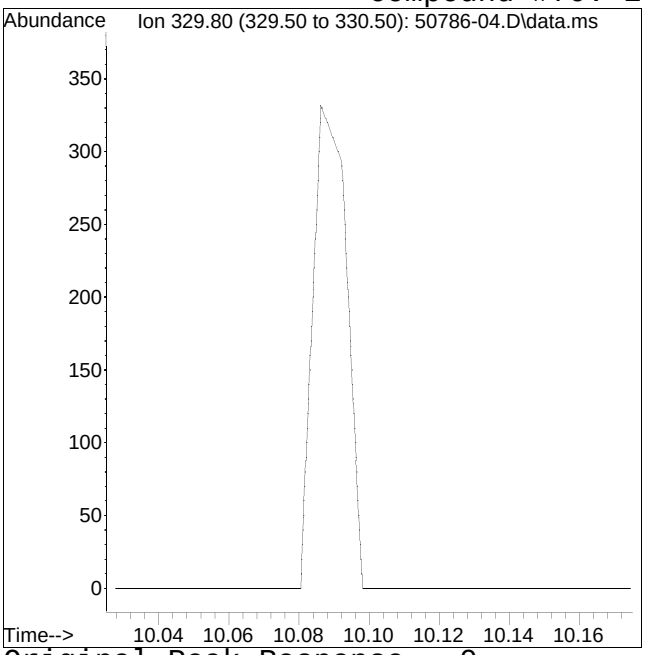


Manual Integration Report

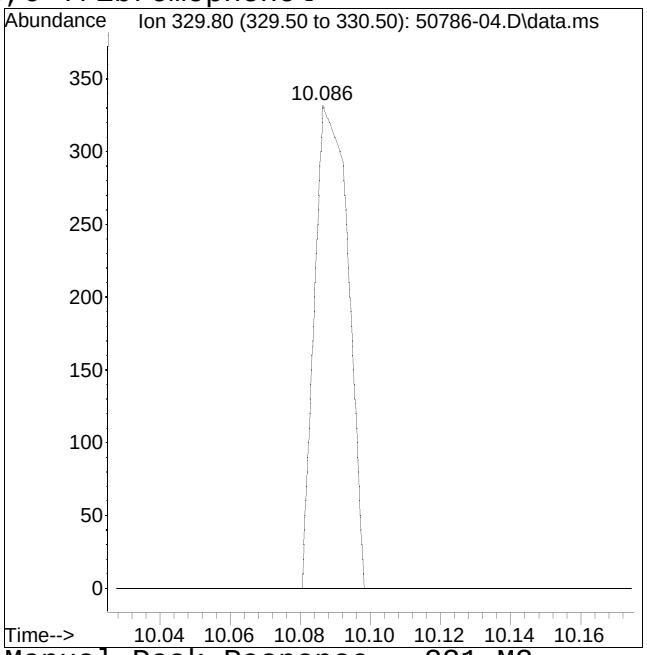
Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-04.D
Date Inj'd : 9/10/2024 5:11 am
Sample : L2450786-04,32,,ASK

QMethod : FS240730SV107RVT.m
Operator : SV107:jg
Instrument : SV107
Quant Date : 9/10/2024 5:30 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 221 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 5:36 am
Operator : SV107:jg
Sample : L2450786-05,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 05:55:26 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	10120	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 107.00%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	10120	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 72.73%			
35) IS1_Naphthalene-d8	7.557	136	35911	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 100.39%			
55) IS2_Naphthalene-d8	7.557	136	35911	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 82.90%			
63) IS1_Acenaphthene-d10	9.322	164	17663	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 85.33%			
83) IS2_Acenaphthene-d10	9.322	164	17663	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 60.40%			
86) IS3_Acenaphthene-d10	9.322	164	17663	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 75.64%			
88) IS1_Phenanthrene-d10	10.751	188	37966	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 97.24%			
100) IS3_Phenanthrene-d10	10.751	188	37966	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 66.34%			
104) IS1_Chrysene-d12	13.357	240	30263	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 92.09%			
113) IS1_Perylene-d12	14.815	264	30413	4.000	ug/ml	0.01
Standard Area 1 = 35067			Recovery = 86.73%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.910	112	1708	0.625	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.25%			
7) Phenol-d6	5.739	99	2441	0.683	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.15%			
19) Nitrobenzene-d5	6.786	82	2280	0.659	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.90%			
46) 2-Fluorobiphenyl	8.692	172	5756	0.712	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.20%			
79) 2,4,6-Tribromophenol	10.092	330	788	0.953	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.65%			
96) 4-Terphenyl-d14	12.333	244	6216	0.692	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.20%			

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 5:36 am
Operator : SV107:jg
Sample : L2450786-05,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 05:55:26 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.757	94	1089	0.275	ug/ml#	72
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 5:36 am
Operator : SV107:jg
Sample : L2450786-05,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 05:55:26 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

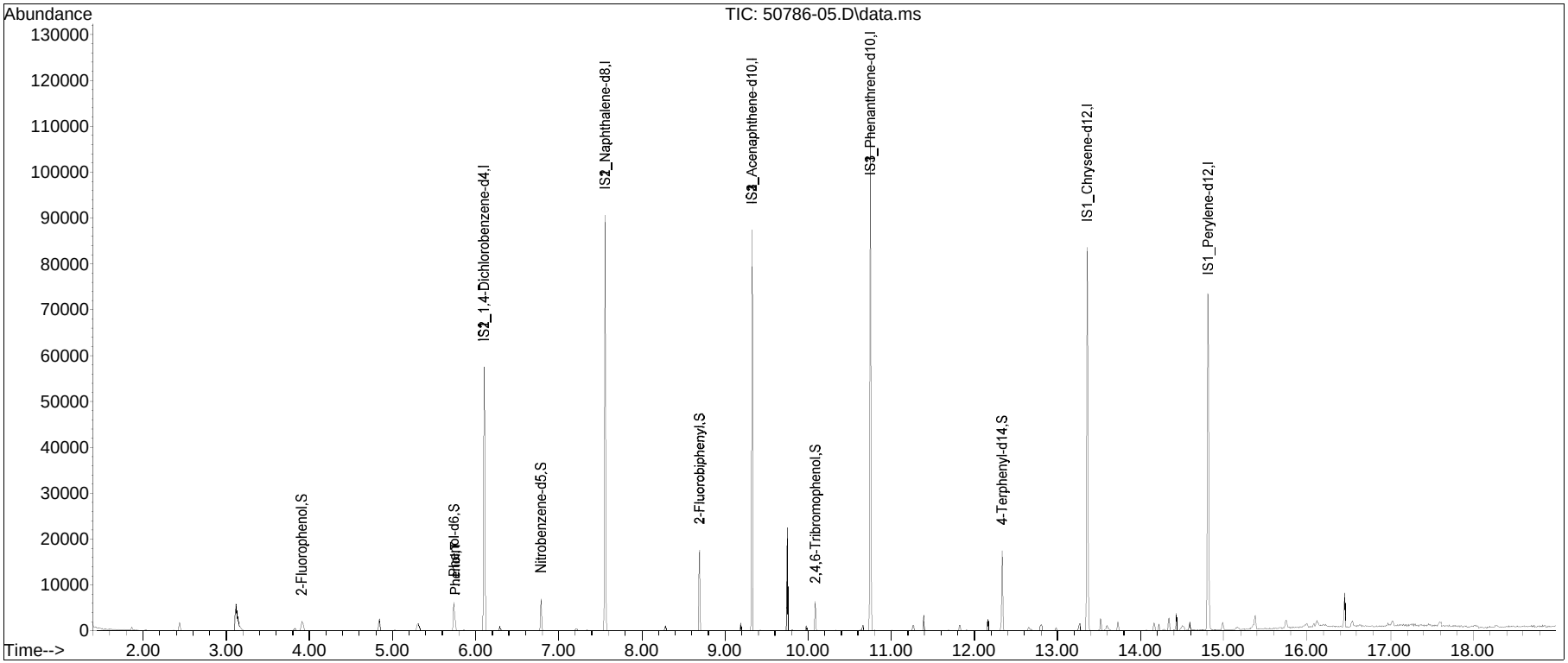
(#) = qualifier out of range (m) = manual integration (+) = signals summed

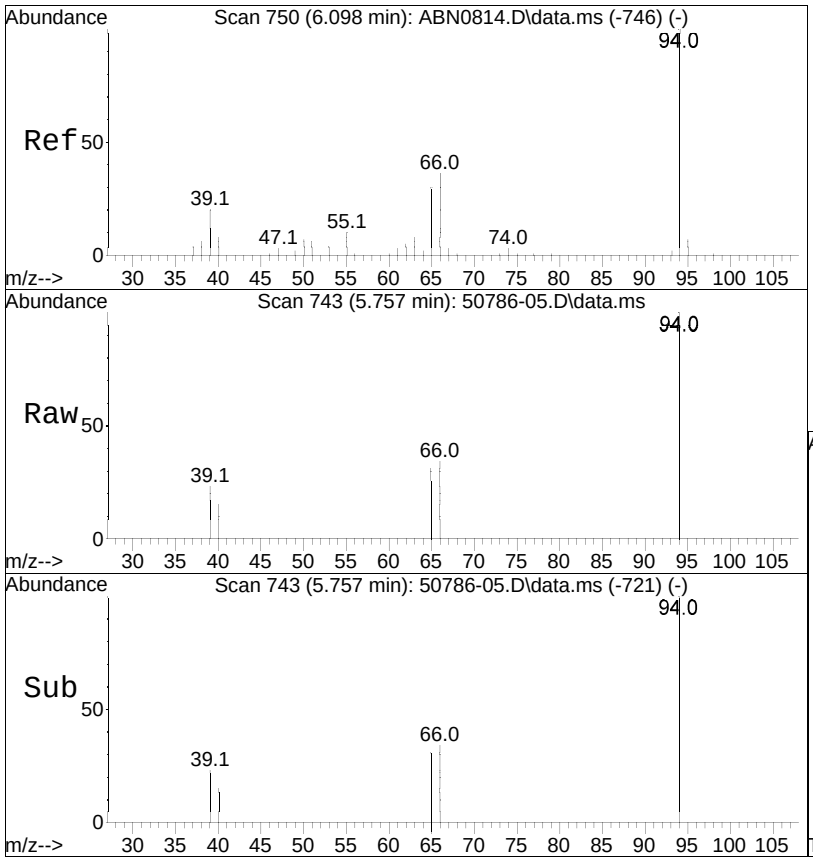
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 5:36 am
Operator : SV107:jg
Sample : L2450786-05,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 05:55:26 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

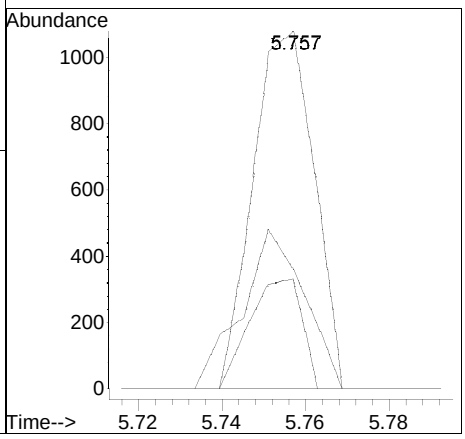




#8
Phenol
Concen: 0.27 ug/ml
RT: 5.757 min Scan# 743
Delta R.T. 0.006 min
Lab File: 50786-05.D
Acq: 10 Sep 2024 5:36 am

Tgt Ion: 94 Resp: 1089

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	45.8	33.8	50.8



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-05.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 5:36 am	Instrument	: SV107
Sample	: L2450786-05,32,,ASK	Quant Date	: 9/10/2024 5:56 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 6:02 am
Operator : SV107:jg
Sample : L2450786-06,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:21:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	8211	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 86.82%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	8211	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 59.01%			
35) IS1_Naphthalene-d8	7.557	136	36335	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 101.57%			
55) IS2_Naphthalene-d8	7.557	136	36335	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 83.87%			
63) IS1_Acenaphthene-d10	9.322	164	20362	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 98.37%			
83) IS2_Acenaphthene-d10	9.322	164	20362	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 69.64%			
86) IS3_Acenaphthene-d10	9.322	164	20362	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 87.20%			
88) IS1_Phenanthrene-d10	10.751	188	38460	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 98.50%			
100) IS3_Phenanthrene-d10	10.751	188	38460	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 67.21%			
104) IS1_Chrysene-d12	13.357	240	33909	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 103.18%			
113) IS1_Perylene-d12	14.804	264	33083	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 94.34%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.910	112	1411	0.637	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.85%			
7) Phenol-d6	5.739	99	1676	0.578	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.90%			
19) Nitrobenzene-d5	6.786	82	2551	0.909	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 90.90%			
46) 2-Fluorobiphenyl	8.692	172	5756	0.704	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.40%			
79) 2,4,6-Tribromophenol	10.086	330	674	0.707	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 35.35%			
96) 4-Terphenyl-d14	12.333	244	6928	0.762	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.20%			

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 6:02 am
Operator : SV107:jg
Sample : L2450786-06,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:21:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.757	94	647	0.201	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 6:02 am
Operator : SV107:jg
Sample : L2450786-06,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:21:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

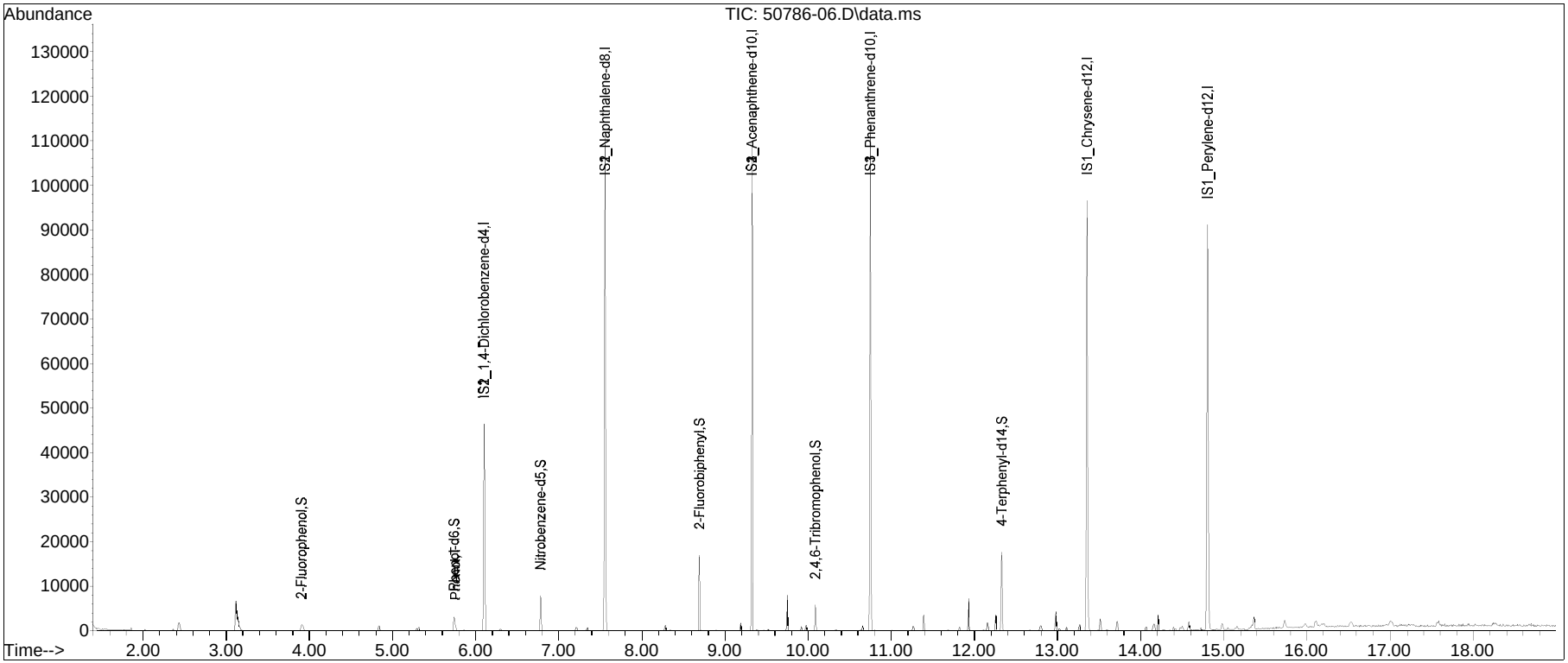
(#) = qualifier out of range (m) = manual integration (+) = signals summed

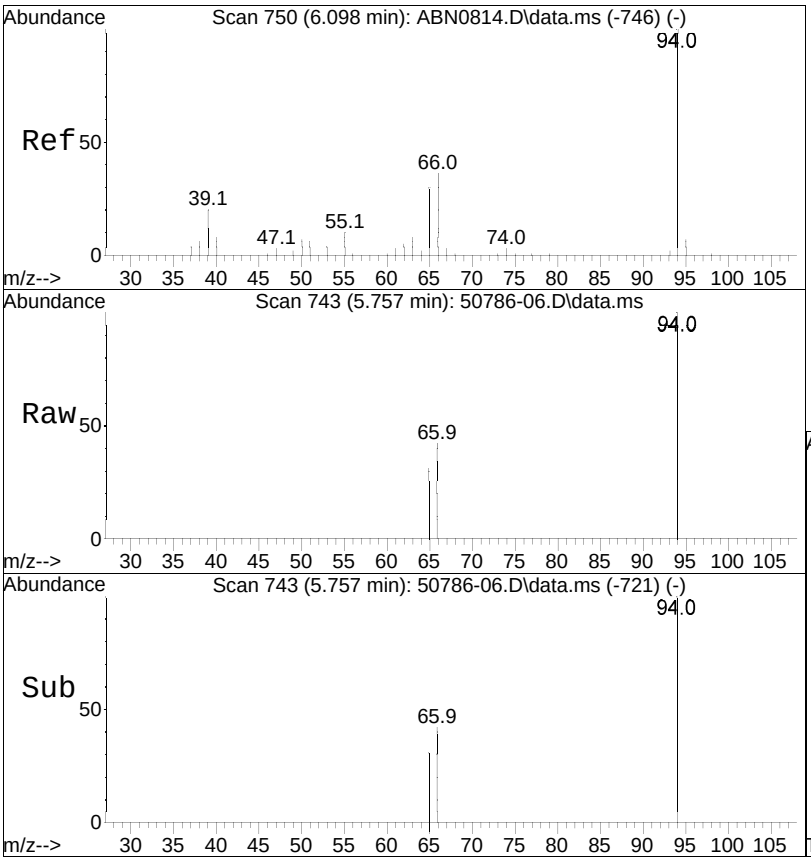
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 6:02 am
Operator : SV107:jg
Sample : L2450786-06,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:21:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

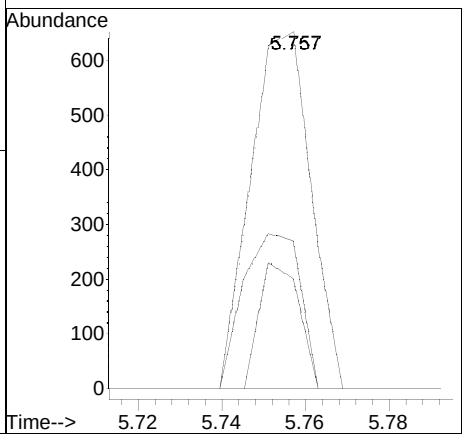




#8
Phenol
Concen: 0.20 ug/ml
RT: 5.757 min Scan# 743
Delta R.T. 0.006 min
Lab File: 50786-06.D
Acq: 10 Sep 2024 6:02 am

Tgt Ion: 94 Resp: 647

Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-06.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 6:02 am	Instrument	: SV107
Sample	: L2450786-06,32,,ASK	Quant Date	: 9/10/2024 6:21 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 6:27 am
Operator : SV107:jg
Sample : L2450786-07,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 06:45:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	10232	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 108.18%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	10232	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 73.54%			
35) IS1_Naphthalene-d8	7.557	136	31924	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 89.24%			
55) IS2_Naphthalene-d8	7.557	136	31924	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 73.69%			
63) IS1_Acenaphthene-d10	9.322	164	20918	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 101.05%			
83) IS2_Acenaphthene-d10	9.322	164	20918	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 71.54%			
86) IS3_Acenaphthene-d10	9.322	164	20918	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 89.58%			
88) IS1_Phenanthrene-d10	10.751	188	39096	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 100.13%			
100) IS3_Phenanthrene-d10	10.751	188	39096	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 68.32%			
104) IS1_Chrysene-d12	13.357	240	33420	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 101.69%			
113) IS1_Perylene-d12	14.809	264	33587	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 95.78%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.910	112	2316	0.838	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.90%			
7) Phenol-d6	5.739	99	2737	0.757	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.85%			
19) Nitrobenzene-d5	6.786	82	1980	0.566	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.60%			
46) 2-Fluorobiphenyl	8.692	172	5834	0.812	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.20%			
79) 2,4,6-Tribromophenol	10.086	330	773	0.789	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.45%			
96) 4-Terphenyl-d14	12.333	244	6925	0.749	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.90%			

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 6:27 am
Operator : SV107:jg
Sample : L2450786-07,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 06:45:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.751	94	1861	0.464	ug/ml	96
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 6:27 am
Operator : SV107:jg
Sample : L2450786-07,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 06:45:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

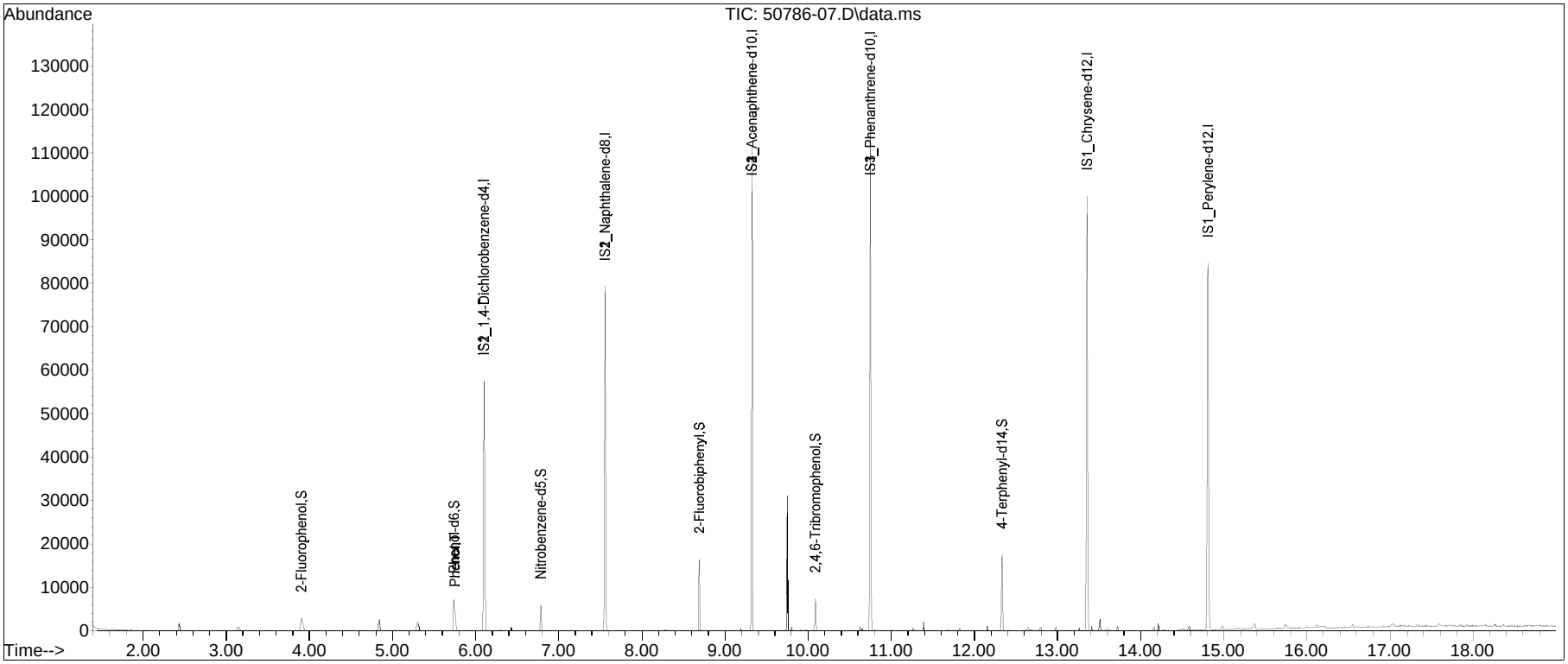
(#) = qualifier out of range (m) = manual integration (+) = signals summed

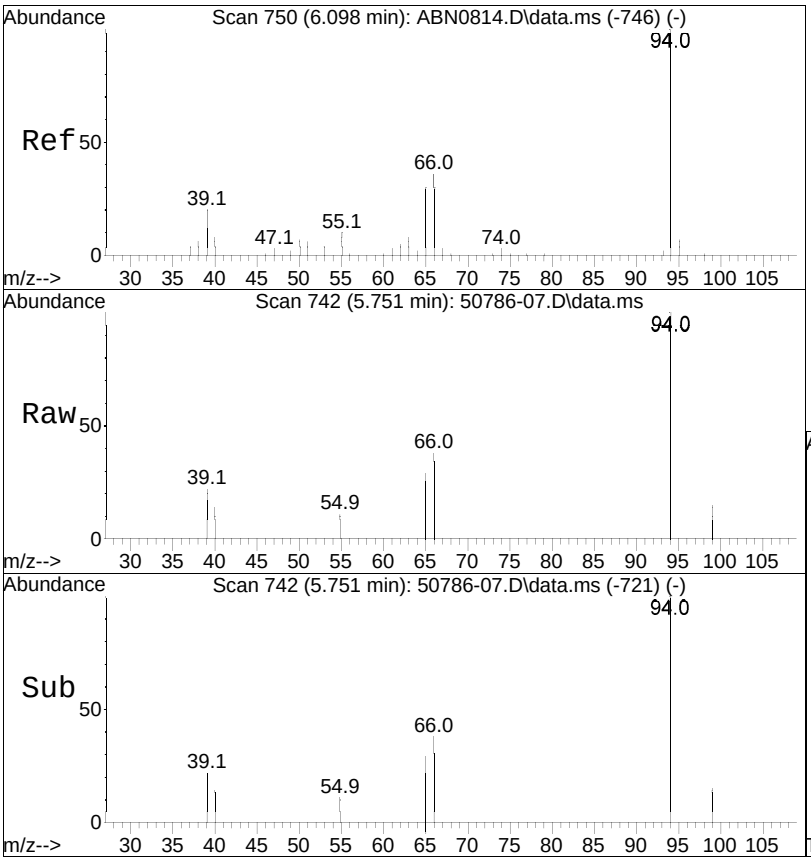
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 6:27 am
Operator : SV107:jg
Sample : L2450786-07,32,,ASK
Misc : WG1968646,WG1968879,ical21360
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 10 06:45:59 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

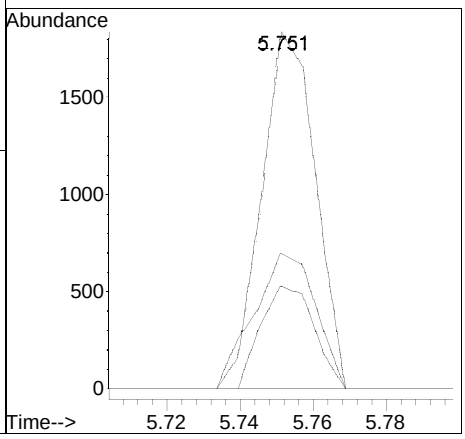




#8
Phenol
Concen: 0.46 ug/ml
RT: 5.751 min Scan# 742
Delta R.T. -0.000 min
Lab File: 50786-07.D
Acq: 10 Sep 2024 6:27 am

Tgt Ion: 94 Resp: 1861

Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	43.8	33.8	50.8



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-07.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 6:27 am	Instrument	: SV107
Sample	: L2450786-07,32,,ASK	Quant Date	: 9/10/2024 6:46 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 6:52 am
Operator : SV107:jg
Sample : L2450786-08,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:11:17 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	11374	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 120.26%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	11374	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 81.75%			
35) IS1_Naphthalene-d8	7.557	136	41208	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 115.20%			
55) IS2_Naphthalene-d8	7.557	136	41208	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 95.12%			
63) IS1_Acenaphthene-d10	9.322	164	23676	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 114.38%			
83) IS2_Acenaphthene-d10	9.322	164	23676	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 80.97%			
86) IS3_Acenaphthene-d10	9.322	164	23676	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 101.40%			
88) IS1_Phenanthrene-d10	10.751	188	44586	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 114.19%			
100) IS3_Phenanthrene-d10	10.751	188	44586	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 77.91%			
104) IS1_Chrysene-d12	13.357	240	35101	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 106.81%			
113) IS1_Perylene-d12	14.810	264	35408	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 100.97%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.910	112	1489	0.485	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 24.25%			
7) Phenol-d6	5.740	99	2099	0.522	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.10%			
19) Nitrobenzene-d5	6.787	82	2383	0.613	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.30%			
46) 2-Fluorobiphenyl	8.692	172	5909	0.637	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.70%			
79) 2,4,6-Tribromophenol	10.086	330	608	0.548	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.40%			
96) 4-Terphenyl-d14	12.333	244	5005	0.475	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.50%			

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 6:52 am
Operator : SV107:jg
Sample : L2450786-08,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:11:17 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 6:52 am
Operator : SV107:jg
Sample : L2450786-08,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:11:17 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

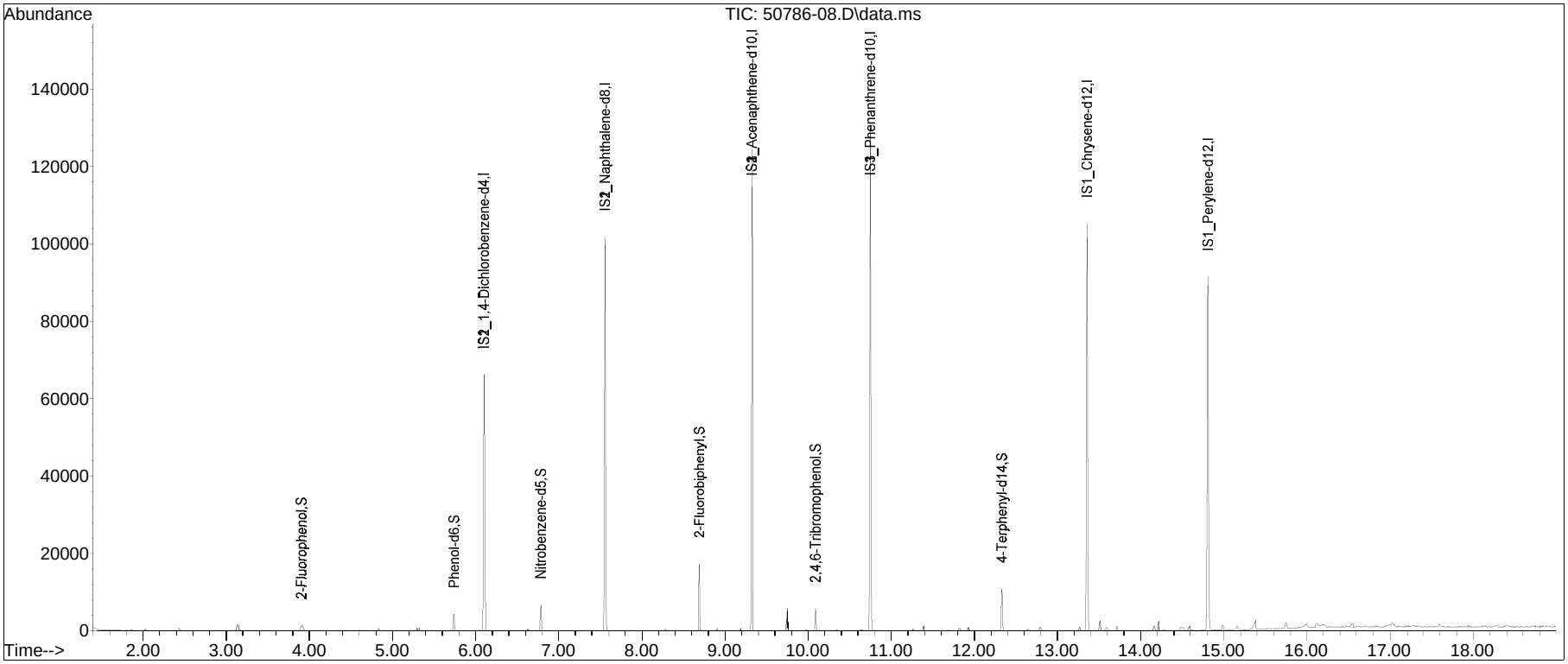
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 6:52 am
Operator : SV107:jg
Sample : L2450786-08,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 10 07:11:17 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-08.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 6:52 am	Instrument	: SV107
Sample	: L2450786-08,32,,ASK	Quant Date	: 9/10/2024 7:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 7:18 am
Operator : SV107:jg
Sample : L2450786-09,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:26:43 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	11878	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 125.59%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	11878	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 85.37%			
35) IS1_Naphthalene-d8	7.557	136	42514	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 118.85%			
55) IS2_Naphthalene-d8	7.557	136	42514	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 98.14%			
63) IS1_Acenaphthene-d10	9.322	164	22047	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 106.51%			
83) IS2_Acenaphthene-d10	9.322	164	22047	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 75.40%			
86) IS3_Acenaphthene-d10	9.322	164	22047	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 94.42%			
88) IS1_Phenanthrene-d10	10.751	188	45444	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 116.39%			
100) IS3_Phenanthrene-d10	10.751	188	45444	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 79.41%			
104) IS1_Chrysene-d12	13.357	240	38366	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 116.75%			
113) IS1_Perylene-d12	14.804	264	39184	4.000	ug/ml	0.00
Standard Area 1 = 35067			Recovery = 111.74%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.916	112	638	0.199	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.95%#			
7) Phenol-d6	5.739	99	1057	0.252	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.60%#			
19) Nitrobenzene-d5	6.786	82	2176	0.536	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.60%			
46) 2-Fluorobiphenyl	8.692	172	5663	0.592	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.20%			
79) 2,4,6-Tribromophenol	10.086	330	220M2	0.213	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#			
96) 4-Terphenyl-d14	12.333	244	6360	0.592	ug/ml	0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 7:18 am
Operator : SV107:jg
Sample : L2450786-09,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:26:43 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.20%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.757	94	482	0.104	ug/ml#	37
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 7:18 am
Operator : SV107:jg
Sample : L2450786-09,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:26:43 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

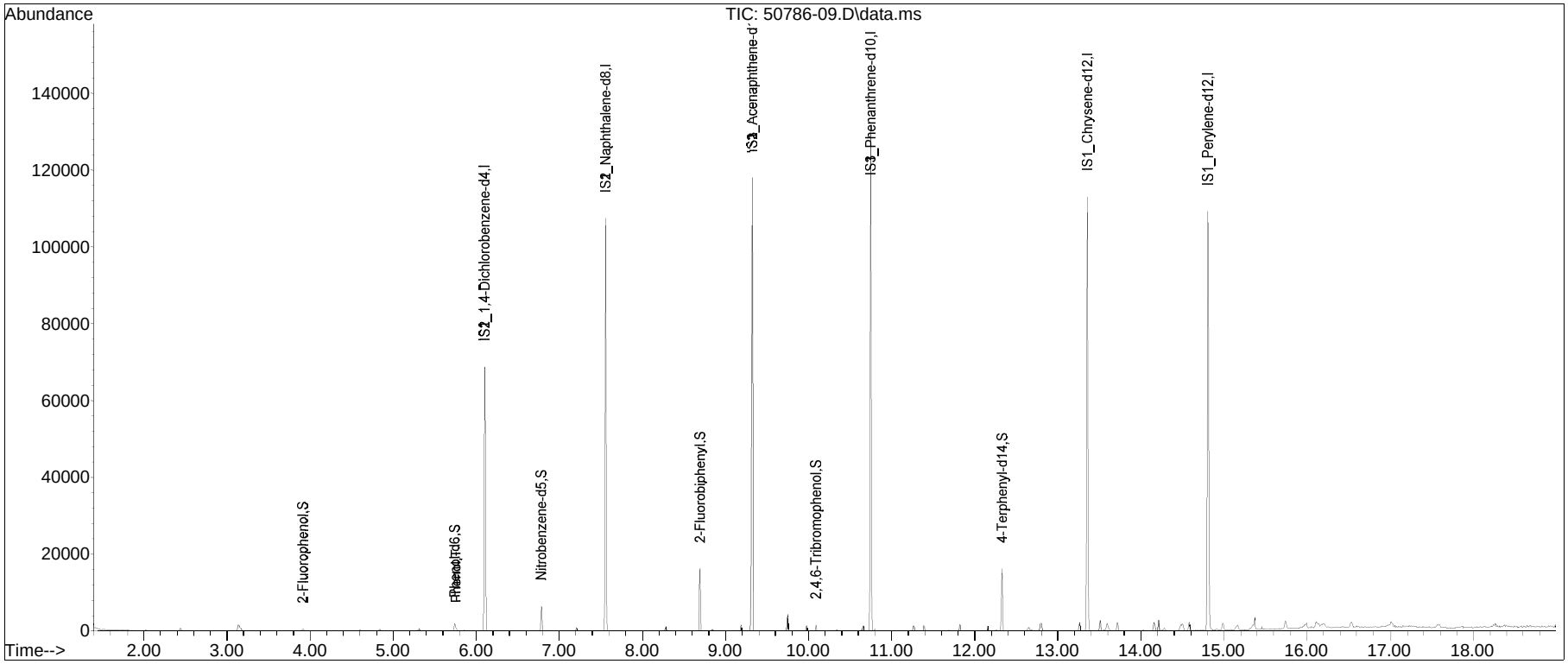
(#) = qualifier out of range (m) = manual integration (+) = signals summed

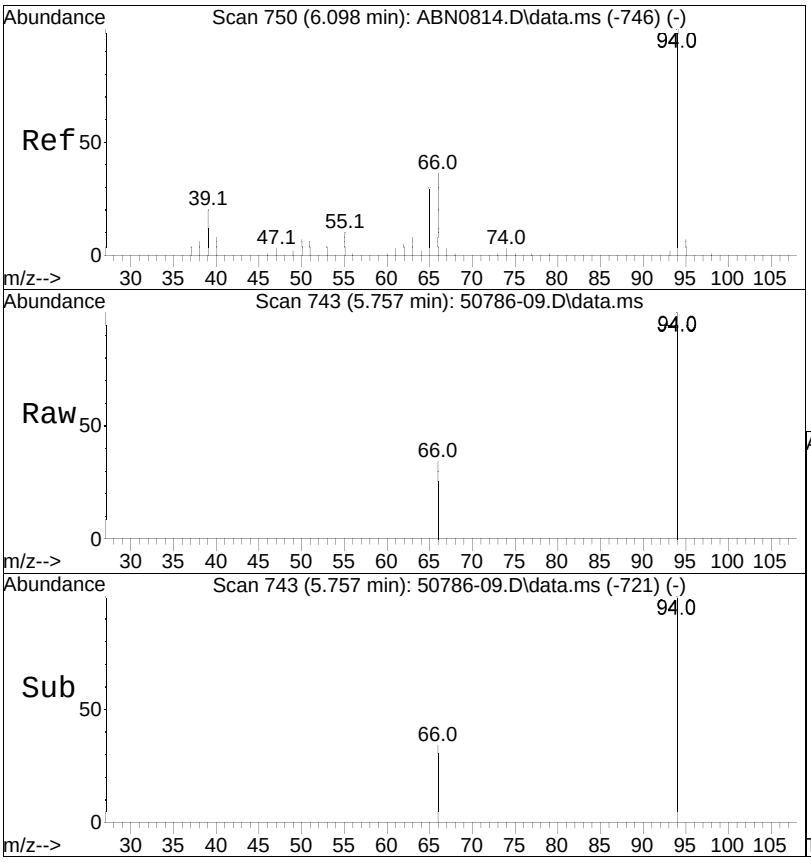
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 7:18 am
Operator : SV107:jg
Sample : L2450786-09,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 10 13:26:43 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

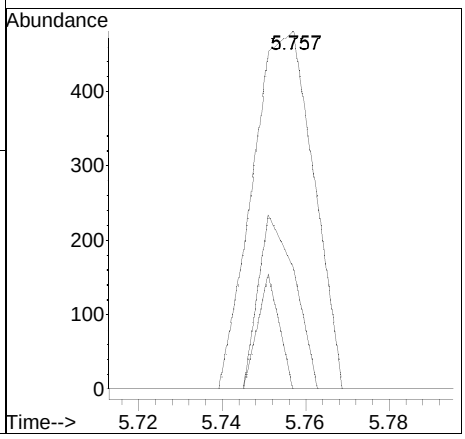




#8
Phenol
Concen: 0.10 ug/ml
RT: 5.757 min Scan# 743
Delta R.T. 0.006 min
Lab File: 50786-09.D
Acq: 10 Sep 2024 7:18 am

Tgt Ion: 94 Resp: 482

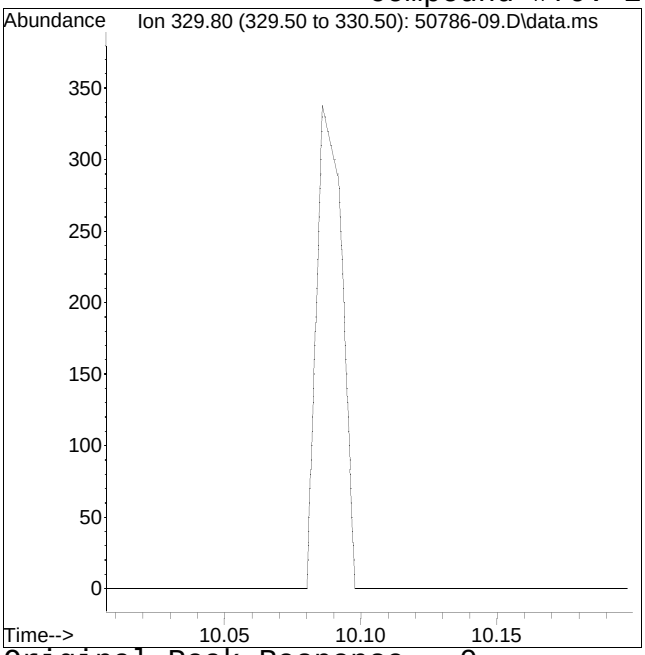
Ion	Ratio	Lower	Upper
94	100		
65	0.0	26.0	39.0#
66	0.0	33.8	50.8#



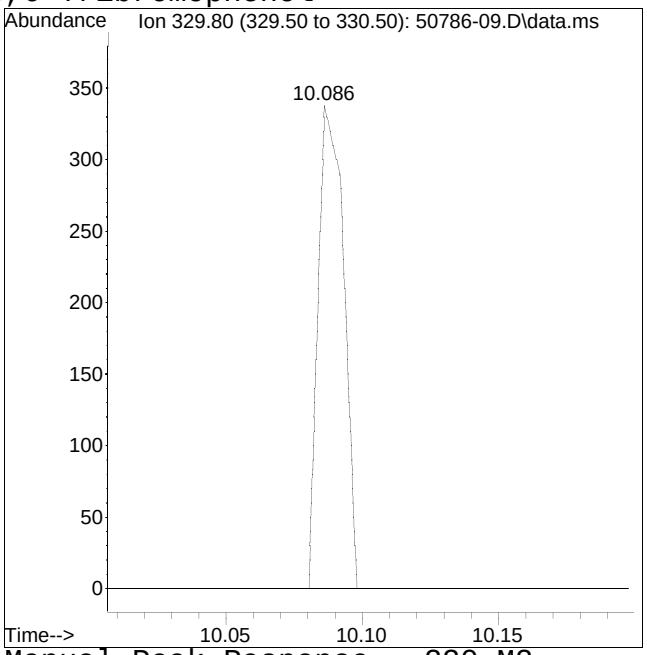
Manual Integration Report

Data Path : I:\8270\SV107\240909RVT\ QMethod : FS240730SV107RVT.m
Data File : 50786-09.D Operator : SV107:jg
Date Inj'd : 9/10/2024 7:18 am Instrument : SV107
Sample : L2450786-09,32,,ASK Quant Date : 9/10/2024 7:37 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 220 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 7:43 am
Operator : SV107:jg
Sample : L2450786-10,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 13:26:52 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.098	152	11964	4.000	ug/ml		0.00
Standard Area 1 = 9458			Recovery = 126.50%				
27) IS2_1,4-Dichlorobenzen...	6.098	152	11964	4.000	ug/ml		0.00
Standard Area 3 = 13914			Recovery = 85.99%				
35) IS1_Naphthalene-d8	7.557	136	42705	4.000	ug/ml		0.00
Standard Area 1 = 35772			Recovery = 119.38%				
55) IS2_Naphthalene-d8	7.557	136	42705	4.000	ug/ml		0.00
Standard Area 3 = 43321			Recovery = 98.58%				
63) IS1_Acenaphthene-d10	9.322	164	22382	4.000	ug/ml		0.00
Standard Area 1 = 20700			Recovery = 108.13%				
83) IS2_Acenaphthene-d10	9.322	164	22382	4.000	ug/ml		0.00
Standard Area 3 = 29241			Recovery = 76.54%				
86) IS3_Acenaphthene-d10	9.322	164	22382	4.000	ug/ml		0.00
Standard Area 2 = 23350			Recovery = 95.85%				
88) IS1_Phenanthrene-d10	10.751	188	29749	4.000	ug/ml	#	0.00
Standard Area 1 = 39044			Recovery = 76.19%				
100) IS3_Phenanthrene-d10	10.751	188	29749	4.000	ug/ml	#	0.00
Standard Area 2 = 57227			Recovery = 51.98%				
104) IS1_Chrysene-d12	13.357	240	37450	4.000	ug/ml		0.00
Standard Area 1 = 32863			Recovery = 113.96%				
113) IS1_Perylene-d12	14.815	264	37928	4.000	ug/ml		0.01
Standard Area 1 = 35067			Recovery = 108.16%				
System Monitoring Compounds							
4) 2-Fluorophenol	3.916	112	727	0.225	ug/ml		0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.25%#				
7) Phenol-d6	5.734	99	1083	0.256	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.80%#				
19) Nitrobenzene-d5	6.787	82	1926	0.471	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 47.10%				
46) 2-Fluorobiphenyl	8.692	172	4723	0.492	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.20%				
79) 2,4,6-Tribromophenol	10.086	330	344M2	0.328	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 16.40%				
96) 4-Terphenyl-d14	12.333	244	4384	0.623	ug/ml		0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 7:43 am
Operator : SV107:jg
Sample : L2450786-10,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 13:26:52 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.30%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 7:43 am
Operator : SV107:jg
Sample : L2450786-10,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 13:26:52 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

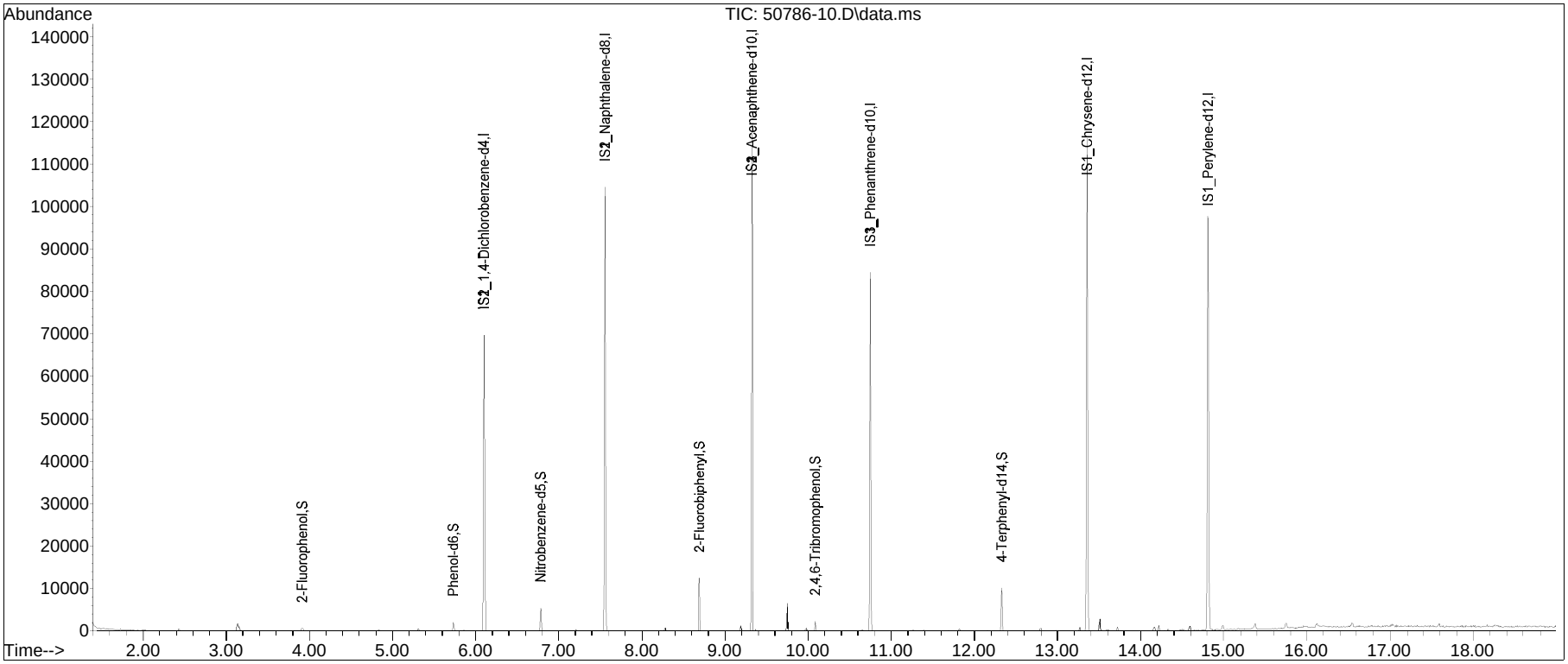
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 7:43 am
Operator : SV107:jg
Sample : L2450786-10,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 13:26:52 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

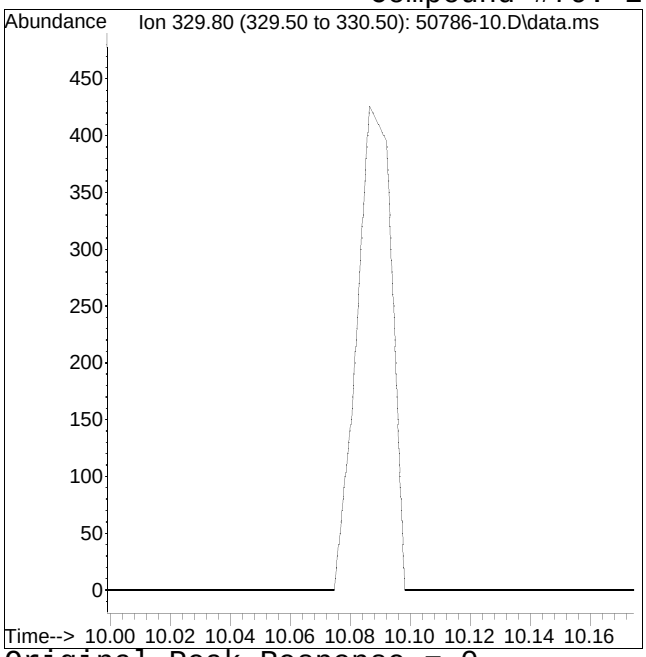
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•



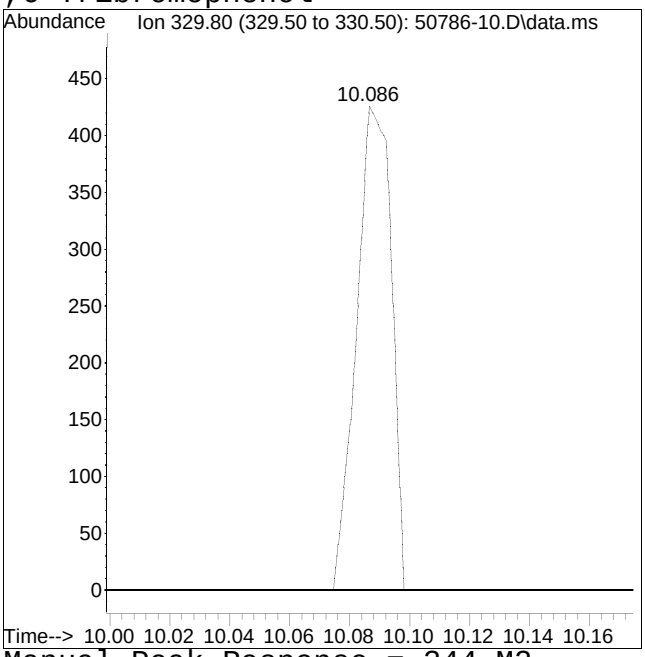
Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-10.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 7:43 am	Instrument	: SV107
Sample	: L2450786-10,32,,ASK	Quant Date	: 9/10/2024 8:03 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 344 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 8:08 am
Operator : SV107:jg
Sample : L2450786-12,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 13:27:00 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	11010	4.000	ug/ml	0.00
Standard Area 1 = 9458			Recovery = 116.41%			
27) IS2_1,4-Dichlorobenzen...	6.098	152	11010	4.000	ug/ml	0.00
Standard Area 3 = 13914			Recovery = 79.13%			
35) IS1_Naphthalene-d8	7.557	136	40526	4.000	ug/ml	0.00
Standard Area 1 = 35772			Recovery = 113.29%			
55) IS2_Naphthalene-d8	7.557	136	40526	4.000	ug/ml	0.00
Standard Area 3 = 43321			Recovery = 93.55%			
63) IS1_Acenaphthene-d10	9.322	164	15266	4.000	ug/ml	0.00
Standard Area 1 = 20700			Recovery = 73.75%			
83) IS2_Acenaphthene-d10	9.322	164	15266	4.000	ug/ml	0.00
Standard Area 3 = 29241			Recovery = 52.21%			
86) IS3_Acenaphthene-d10	9.322	164	15266	4.000	ug/ml	0.00
Standard Area 2 = 23350			Recovery = 65.38%			
88) IS1_Phenanthrene-d10	10.751	188	43982	4.000	ug/ml	0.00
Standard Area 1 = 39044			Recovery = 112.65%			
100) IS3_Phenanthrene-d10	10.751	188	43982	4.000	ug/ml	0.00
Standard Area 2 = 57227			Recovery = 76.86%			
104) IS1_Chrysene-d12	13.363	240	36691	4.000	ug/ml	0.00
Standard Area 1 = 32863			Recovery = 111.65%			
113) IS1_Perylene-d12	14.821	264	36732	4.000	ug/ml	0.02
Standard Area 1 = 35067			Recovery = 104.75%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.916	112	828	0.279	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 13.95%#			
7) Phenol-d6	5.740	99	1182	0.304	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 15.20%			
19) Nitrobenzene-d5	6.787	82	2029	0.539	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.90%			
46) 2-Fluorobiphenyl	8.692	172	4444	0.487	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 48.70%			
79) 2,4,6-Tribromophenol	10.086	330	293M2	0.410	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 20.50%			
96) 4-Terphenyl-d14	12.333	244	5463	0.525	ug/ml	0.00

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 8:08 am
Operator : SV107:jg
Sample : L2450786-12,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 13:27:00 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.50%			
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 8:08 am
Operator : SV107:jg
Sample : L2450786-12,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 13:27:00 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240909RVT\ABN0909.D
: 2 - I:\8270\SV107\240909RVT\ADP0909.D
: 3 - I:\8270\SV107\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

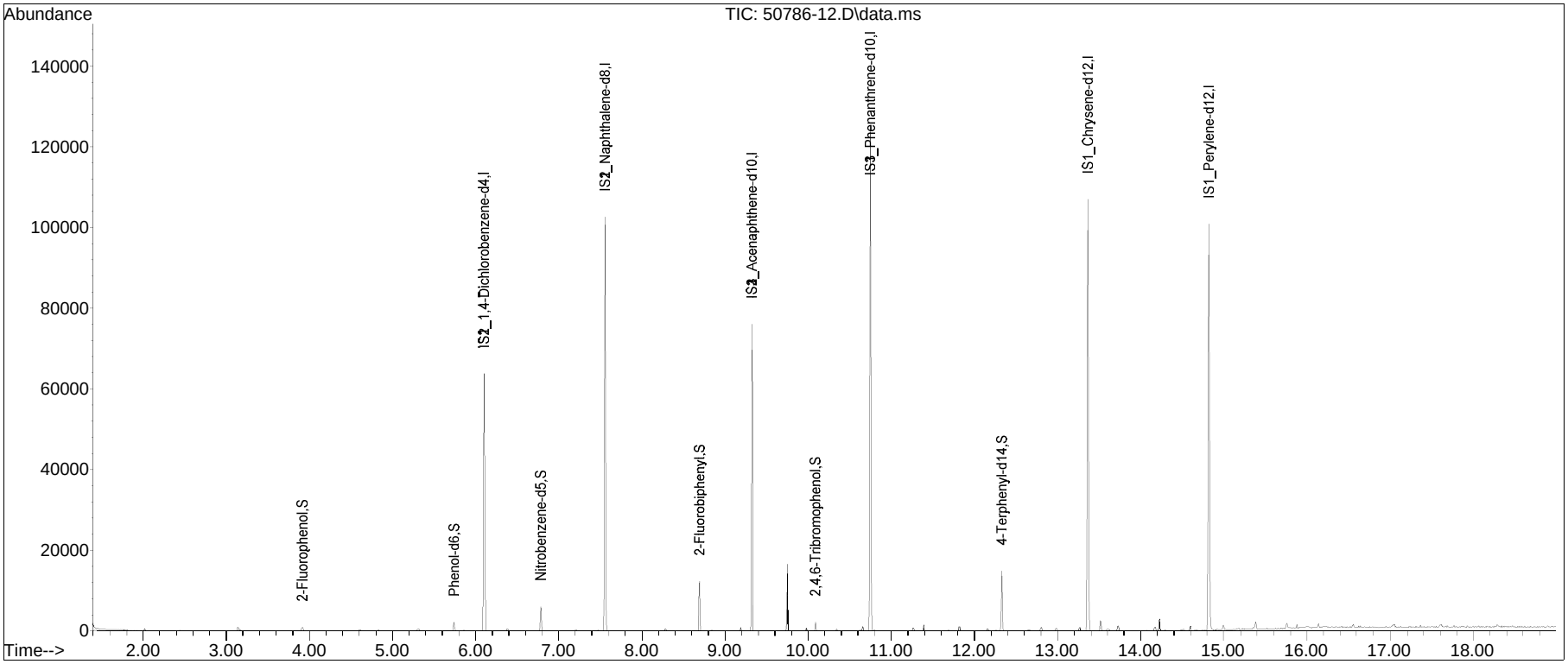
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 8:08 am
Operator : SV107:jg
Sample : L2450786-12,32,,ASK
Misc : WG1968646,WG1968975,ical21360
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 10 13:27:00 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:15 2024
Response via : Initial Calibration

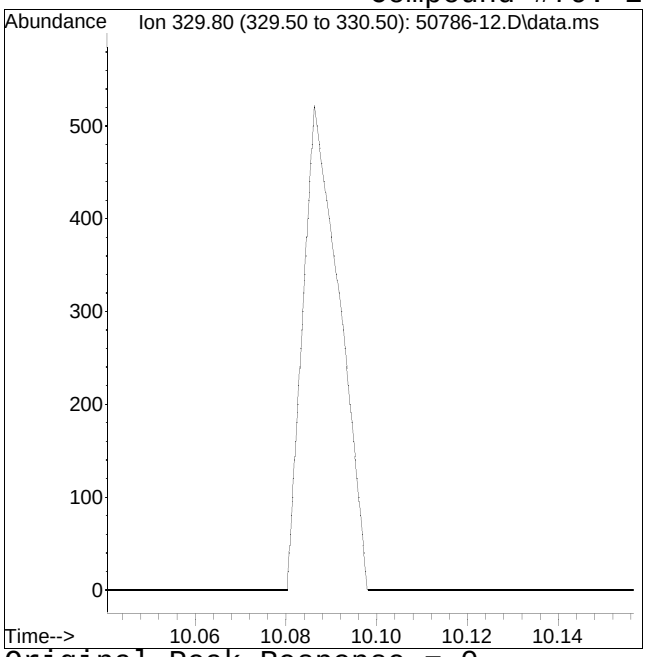
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•



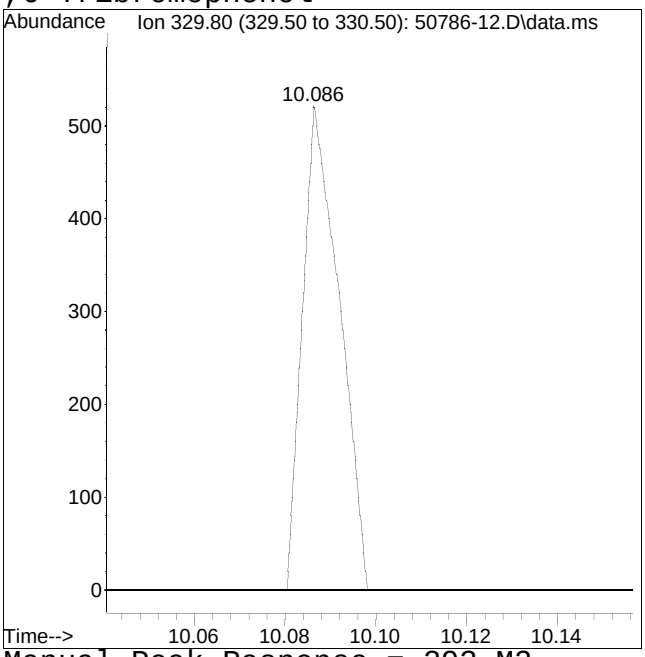
Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: 50786-12.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 8:08 am	Instrument	: SV107
Sample	: L2450786-12,32,,ASK	Quant Date	: 9/10/2024 8:28 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



Manual Peak Response = 293 M2

M2 = Peak not found by automatic integration algorithm.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.938	0.956	0.854	0.853	0.774	0.776	0.841	0.822	0.847	0.851	7.32
3)	t	Pyridine	1.526	1.555	1.355	1.366	1.292	1.282	1.394	1.350	1.411	1.392	6.76
4)	S	2-Fluorophenol	1.089	1.386	1.143	1.143	1.065	1.079	1.163	1.151	1.186	1.156	8.25
5)	T	Aniline	2.443	2.265	1.992	1.939	1.902	1.866	1.994	1.977	2.059	2.049	9.15
6)	t	2-Chlorophenol	1.386	1.452	1.391	1.240	1.207	1.148	1.258	1.242	1.266	1.288	7.73
7)	S	Phenol-d6	1.942	1.694	1.620	1.534	1.453	1.415	1.522	1.518	1.547	1.583	9.98
8)	T	Phenol	1.941	1.738	1.608	1.689	1.523	1.491	1.603	1.574	1.610	1.642	8.23
9)	T	bis(2-Chloroethyl)ether	1.531	1.511	1.439	1.305	1.256	1.224	1.308	1.272	1.289	1.348	8.51
10)	T	1,3-Dichlorobenzene	1.770	1.860	1.537	1.485	1.464	1.395	1.479	1.444	1.484	1.546	10.25
11)	T	1,4-Dichlorobenzene	1.885	1.638	1.678	1.555	1.449	1.398	1.506	1.482	1.494	1.565	9.52
12)	T	1,2-Dichlorobenzene	1.871	1.694	1.613	1.485	1.397	1.362	1.429	1.421	1.428	1.522	11.13
13)	t	Benzyl alcohol	1.371	1.433	1.236	1.188	1.183	1.159	1.257	1.271	1.309	1.267	7.18
14)	T	bis(2-chloroisopropyl)ether	2.653	2.552	2.257	2.073	2.015	1.932	2.079	1.986	1.948	2.166	12.30
15)	T	2-Methylphenol	1.300	1.270	1.235	1.174	1.110	1.086	1.178	1.131	1.160	1.183	6.14
16)	T	Hexachloroethane	0.743	0.741	0.665	0.601	0.559	0.541	0.597	0.572	0.585	0.623	12.20
17)	T	n-Nitrosodi-n-propylamine	1.092	1.105	1.007	1.074	1.024	0.994	1.084	1.053	1.080	1.057	3.76
18)	T	3-Methylphenol/4-Methylphenol	1.363	1.465	1.312	1.247	1.165	1.157	1.277	1.243	1.280	1.279	7.46
19)	S	Nitrobenzene-d5	1.858	1.740	1.746	1.543	1.455	1.453	1.603	1.562	1.608	1.619	8.50
20)	T	Nitrobenzene	2.001	1.775	1.612	1.641	1.491	1.459	1.644	1.560	1.605	1.643	9.91
21)	T	Isophorone	3.029	2.785	2.705	2.724	2.638	2.597	2.820	2.731	2.813	2.760	4.54
22)	T	2-Nitrophenol	0.681	0.806	0.655	0.635	0.660	0.645	0.712	0.705	0.728	0.692	7.72
23)	T	2,4-Dimethylphenol	1.634	1.347	1.227	1.258	1.205	1.186	1.292	1.260	1.305	1.301	10.34
24)	T	bis(2-Chloroethoxy)methane	2.153	2.035	1.866	1.675	1.631	1.604	1.731	1.640	1.664	1.778	11.08
25)	T	2,4-Dichlorophenol	1.380	1.311	1.180	1.195	1.162	1.144	1.245	1.226	1.254	1.233	6.11
26)	T	1,2,4-Trichlorobenzene	1.956	1.639	1.621	1.445	1.368	1.313	1.454	1.378	1.416	1.510	13.26
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.111	1.153	1.214	1.183	1.184	1.173	1.252	1.213	1.203	1.187	3.40
29)	T	Acetophenone	2.005	2.209	2.136	2.188	2.132	2.136	2.286	2.165	2.167	2.158	3.47
30)	T	m-Toluidine	1.720	2.008	1.857	1.996	1.941	1.939	2.087	2.049	2.015	1.957	5.70
31)	T	2-Chloroaniline	1.443	1.808	1.812	1.652	1.707	1.684	1.822	1.726	1.729	1.709	6.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.788	0.714	0.628	0.587	0.537	0.492	0.510	0.488	0.517	0.584	18.21
34)	T	n-Decane	1.716	1.735	1.686	1.811	1.628	1.542	1.639	1.564	1.638	1.662	5.08
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.303	1.431	1.242	1.087	1.054	1.010	1.077	1.039	1.079	1.147	12.58

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
37)	T	Benzoic Acid			0.131	0.164	0.227	0.258	0.303	0.315	0.334	*Q	0.9992	
38)	T	4-Chloroaniline	0.173	0.208	0.167	0.154	0.164	0.158	0.169	0.162	0.167	0.169	9.29	
39)	T	Hexachlorobutadiene	0.385	0.392	0.325	0.271	0.271	0.262	0.278	0.267	0.273	0.303	17.22	
40)	T	p-Chloro-m-cresol	0.374	0.367	0.322	0.323	0.324	0.322	0.351	0.345	0.357	0.343	6.06	
41)	T	2-Methylnaphthalene	0.892	0.877	0.774	0.747	0.728	0.691	0.731	0.704	0.734	0.764	9.47	
42)	T	1-Methylnaphthalene	0.299	0.327	0.311	0.289	0.272	0.266	0.285	0.276	0.287	0.290	6.72	
43)	T	Hexachlorocyclopentadiene	0.378	0.376	0.313	0.337	0.315	0.311	0.335	0.323	0.334	0.336	7.62	
44)	T	2,4,6-Trichlorophenol	0.308	0.327	0.297	0.279	0.295	0.283	0.310	0.293	0.312	0.301	5.04	
45)	T	2,4,5-Trichlorophenol	0.348	0.309	0.337	0.309	0.317	0.311	0.329	0.314	0.323	0.322	4.32	
46)	S	2-Fluorobiphenyl	1.238	1.188	1.067	0.970	0.976	0.920	0.987	0.926	0.972	1.027	11.12	
47)	T	2-Chloronaphthalene	0.931	0.978	0.829	0.784	0.761	0.738	0.778	0.744	0.771	0.813	10.49	
48)	T	2-Nitroaniline	0.268	0.254	0.237	0.225	0.230	0.233	0.256	0.246	0.254	0.245	5.94	
49)	T	1,4-Dinitrobenzene	0.102	0.146	0.128	0.126	0.121	0.122	0.139	0.136	0.140	0.129	10.28	
50)	T	1,3-Dinitrobenzene	0.169	0.131	0.141	0.145	0.139	0.143	0.157	0.148	0.148	0.147	7.48	
51)	T	Dimethyl phthalate	1.130	1.111	1.037	0.925	0.941	0.923	0.970	0.913	0.952	0.989	8.42	
52)	T	Acenaphthylene	1.297	1.377	1.312	1.193	1.179	1.169	1.255	1.182	1.232	1.244	5.79	
53)	T	2,6-Dinitrotoluene	0.236	0.213	0.202	0.202	0.210	0.206	0.221	0.209	0.216	0.213	5.02	
54)	T	1,2-Dinitrobenzene	0.096	0.089	0.094	0.088	0.086	0.089	0.095	0.090	0.092	0.091	3.82	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.395	0.407	0.383	0.389	0.397	0.396	0.419	0.409	0.406	0.400	2.77	
57)	T	3-Chloroaniline	0.202	0.187	0.203	0.200	0.200	0.199	0.208	0.203	0.203	0.201	2.82	
58)	T	2,6-Dichlorophenol	0.300	0.375	0.339	0.357	0.362	0.374	0.392	0.378	0.378	0.362	7.68	
59)	T	1-chloro-2-nitrobenzene	0.152	0.179	0.191	0.180	0.180	0.185	0.189	0.183	0.184	0.180	6.36	
60)	T	Caprolactam	0.150	0.175	0.213	0.215	0.213	0.225	0.244	0.230	0.227	0.210	14.05	
61)	T	1,2,4,5-Tetrachlorobenzene	0.596	0.583	0.579	0.544	0.531	0.530	0.537	0.516	0.519	0.548	5.43	
62)	T	Biphenyl	1.132	1.104	1.120	1.094	1.057	1.061	1.093	1.046	1.050	1.084	2.94	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline	0.248	0.338	0.326	0.319	0.317	0.318	0.331	0.337	0.341	0.319	8.83	
65)	T	Acenaphthene	1.363	1.314	1.204	1.106	1.083	1.042	1.074	1.080	1.107	1.153	9.97	
66)	T	2,4-Dinitrophenol			0.174	0.168	0.187	0.215	0.242	0.250	0.257	0.213	17.56	
67)	T	Dibenzofuran	2.377	2.261	1.986	1.905	1.815	1.738	1.800	1.748	1.794	1.936	12.00	
68)	T	2,4-Dinitrotoluene	0.506	0.560	0.460	0.452	0.441	0.460	0.460	0.463	0.471	0.475	7.73	
69)	T	4-Nitrophenol	0.282	0.331	0.331	0.326	0.316	0.305	0.329	0.346	0.345	0.323	6.20	
70)	T	2,3,5,6-Tetrachlorophenol	0.441	0.426	0.460	0.443	0.456	0.437	0.464	0.465	0.478	0.452	3.65	
71)	T	2,3,4,6-Tetrachlorophenol	0.385	0.451	0.449	0.425	0.445	0.431	0.437	0.442	0.448	0.435	4.74	
72)	T	Diethyl phthalate	1.707	1.826	1.602	1.465	1.488	1.399	1.423	1.414	1.441	1.529	9.81	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.829	1.686	1.572	1.487	1.429	1.398	1.444	1.412	1.445	1.523	9.66
74)	T	4-Chlorophenyl-phenylether	0.920	0.966	0.887	0.754	0.766	0.703	0.750	0.723	0.745	0.801	11.96
75)	T	4-Nitroaniline	0.301	0.357	0.373	0.348	0.342	0.309	0.321	0.322	0.318	0.333	7.13
76)	T	4,6-Dinitro-o-cresol	0.180	0.212	0.253	0.269	0.274	0.278	0.297	0.314	0.317	0.266	17.15
77)	T	NDPA/DPA	1.353	1.467	1.261	1.271	1.207	1.192	1.215	1.189	1.208	1.263	7.35
78)	T	Azobenzene	1.586	1.589	1.442	1.406	1.365	1.340	1.427	1.407	1.451	1.446	6.06
79)	S	2,4,6-Tribromophenol	0.233	0.268	0.232	0.253	0.245	0.244	0.253	0.252	0.264	0.249	4.96
80)	T	4-Bromophenyl-phenylether	0.570	0.626	0.473	0.489	0.472	0.452	0.479	0.464	0.474	0.500	11.64
81)	T	Hexachlorobenzene	0.612	0.703	0.623	0.558	0.532	0.505	0.528	0.526	0.532	0.569	11.29
82)	T	Pentachlorophenol	0.346	0.345	0.300	0.323	0.361	0.371	0.392	0.404	0.409	0.361	10.19
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.212	0.234	0.218	0.220	0.232	0.262	0.276	0.284	0.287	0.247	12.11
85)	T	Pentachloronitrobenzene	0.234	0.253	0.232	0.279	0.261	0.290	0.299	0.290	0.294	0.270	9.62
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.569	0.477	0.491	0.517	0.491	0.463	0.513	0.526	0.531	0.509	6.32
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.330	1.366	1.146	1.122	0.987	0.987	1.054	1.012	1.050	1.117	12.71
90)	T	Anthracene	1.346	1.213	1.150	1.084	0.998	1.020	1.080	1.029	1.074	1.111	9.97
91)	T	Carbazole	1.222	1.101	1.027	1.019	0.920	0.926	0.999	0.969	0.976	1.018	9.28
92)	T	Di-n-butylphthalate	1.297	1.305	1.177	1.136	1.122	1.124	1.225	1.169	1.201	1.195	5.79
93)	T	Fluoranthene	1.673	1.551	1.365	1.334	1.226	1.231	1.329	1.288	1.296	1.366	10.96
94)	T	Benzidine	0.623	0.736	0.752	0.737	0.709	0.734	0.804	0.785	0.794	0.741	7.34
95)	T	Pyrene	1.722	1.662	1.471	1.406	1.298	1.301	1.394	1.337	1.368	1.440	10.65
96)	S	4-Terphenyl-d14	1.271	1.253	1.090	1.079	0.978	0.959	1.041	1.000	1.009	1.076	10.62
97)	T	Butyl benzyl phthalate	0.640	0.593	0.508	0.530	0.503	0.501	0.562	0.553	0.561	0.550	8.39
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.449	0.557	0.590	0.563	0.545	0.570	0.595	0.598	0.585	0.561	8.15
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.566	0.464	0.504	0.501	0.489	0.462	0.516	0.501	0.475	0.498	6.39
102)	T	Parathion	0.111	0.129	0.128	0.108	0.110	0.113	0.132	0.142	0.145	0.124	11.46
103)	T	3,3'-Dimethylbenzidine	0.534	0.640	0.710	0.782	0.830	0.801	0.917	0.934	0.966	0.791	18.10
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.886	1.694	1.517	1.409	1.348	1.308	1.417	1.345	1.379	1.478	13.03
106)	T	3,3'-Dichlorobenzidine	0.472	0.521	0.444	0.457	0.464	0.489	0.527	0.507	0.521	0.489	6.37
107)	T	Chrysene	1.853	1.775	1.481	1.363	1.296	1.258	1.301	1.256	1.277	1.429	16.08
108)	T	bis(2-Ethylhexyl)phthalate	0.892	0.841	0.769	0.757	0.799	0.796	0.849	0.817	0.835	0.817	5.15

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	1.452	1.362	1.285	1.241	1.299	1.297	1.432	1.390	1.413	1.352	5.49
110)	T	Benzo(b)fluoranthene	1.696	1.671	1.537	1.403	1.294	1.235	1.381	1.329	1.326	1.430	11.62
111)	T	Benzo(k)fluoranthene	1.681	1.662	1.379	1.328	1.239	1.269	1.288	1.171	1.188	1.356	14.02
112)	T	Benzo(a)pyrene	1.402	1.440	1.283	1.193	1.133	1.161	1.230	1.175	1.157	1.242	8.96
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.309	1.196	1.123	1.101	1.076	1.040	1.130	0.901	0.862	1.082	12.71
115)	T	Dibenzo[a,h]anthracene	1.237	1.190	1.068	1.055	1.022	0.999	1.041	0.883	0.880	1.042	11.47
116)	T	Benzo(g,h,i)perylene	1.225	1.168	1.042	1.002	0.980	0.938	0.975	0.728	0.620	0.964	19.83

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251		*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79	
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74	
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77	
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47	
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70	
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32	
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06	
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81	
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04	
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11	
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96	
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43	
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21	
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69	
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23	
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72	
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94	
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96	
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19	
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67	
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183		*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71	
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23	
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64	
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195		*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29	
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30	
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32	
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18	
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93	
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89	
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31	
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56	
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263		*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78	
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30	
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47	
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37	
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66	
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23	
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269		*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62	
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97	
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18	
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68	
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39	
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87	
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03	
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83	
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35	
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02	
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122		*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806		*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88	
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31	
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66	
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine		0.624	0.767	0.690	0.709	0.713	0.729	0.717	0.734	0.710	5.84
3)	t	Pyridine		0.926	1.093	1.046	1.076	1.192	1.133	1.066	1.160	1.086	7.50
4)	S	2-Fluorophenol		0.970	1.079	1.023	1.072	1.084	1.124	1.101	1.186	1.080	5.97
5)	T	Aniline	1.690	1.824	1.749	1.712	1.707	1.641	1.829	1.825	1.908	1.765	4.86
6)	t	2-Chlorophenol	1.239	1.274	1.314	1.229	1.265	1.234	1.342	1.348	1.403	1.294	4.70
7)	S	Phenol-d6	1.250	1.403	1.443	1.386	1.371	1.328	1.476	1.493	1.566	1.413	6.68
8)	T	Phenol	1.525	1.651	1.602	1.506	1.512	1.452	1.578	1.599	1.673	1.566	4.64
9)	T	bis(2-Chloroethyl)ether	1.334	1.365	1.296	1.197	1.159	1.116	1.235	1.237	1.286	1.247	6.54
10)	T	1,3-Dichlorobenzene	1.625	1.839	1.597	1.526	1.500	1.472	1.555	1.532	1.641	1.587	6.92
11)	T	1,4-Dichlorobenzene	1.579	1.873	1.614	1.563	1.500	1.477	1.582	1.559	1.648	1.599	7.19
12)	T	1,2-Dichlorobenzene	1.492	1.802	1.637	1.481	1.437	1.427	1.553	1.593	1.633	1.562	7.67
13)	t	Benzyl alcohol		1.029	0.984	0.896	0.916	0.918	1.069	1.114	1.151	1.010	9.59
14)	T	bis(2-chloroisopropyl)ether	1.584	1.788	1.653	1.540	1.515	1.455	1.649	1.664	1.708	1.617	6.39
15)	T	2-Methylphenol	1.065	1.097	1.101	1.073	1.068	1.000	1.180	1.237	1.316	1.126	8.82
16)	T	Hexachloroethane	0.435	0.657	0.567	0.540	0.552	0.543	0.572	0.585	0.614	0.563	10.79
17)	T	n-Nitrosodi-n-propylamine		0.866	0.827	0.804	0.812	0.775	0.906	0.938	0.969	0.862	8.07
18)	T	3-Methylphenol/4-Methylphenol		1.280	1.234	1.157	1.179	1.090	1.278	1.325	1.386	1.241	7.76
19)	S	Nitrobenzene-d5	1.421	1.399	1.344	1.288	1.277	1.240	1.407	1.446	1.486	1.368	6.17
20)	T	Nitrobenzene	1.242	1.327	1.317	1.249	1.250	1.204	1.386	1.403	1.431	1.312	6.17
21)	T	Isophorone	2.288	2.249	2.253	2.150	2.273	2.121	2.526	2.581	2.652	2.344	8.22
22)	T	2-Nitrophenol				0.529	0.596	0.594	0.725	0.760	0.795	0.667	16.11
23)	T	2,4-Dimethylphenol		1.085	1.078	1.118	1.086	0.664	1.133	1.188	1.298	1.081	17.00
24)	T	bis(2-Chloroethoxy)methane	1.772	1.688	1.538	1.503	1.513	1.374	1.577	1.611	1.690	1.585	7.60
25)	T	2,4-Dichlorophenol		1.109	1.081	1.090	1.120	1.073	1.266	1.323	1.383	1.180	10.47
26)	T	1,2,4-Trichlorobenzene	1.386	1.596	1.469	1.329	1.303	1.245	1.387	1.425	1.504	1.405	7.69
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde		1.113	1.135	1.132	1.078	1.101	1.175	1.198	1.223	1.145	4.37
29)	T	Acetophenone		1.955	1.982	2.026	1.901	1.937	2.098	2.153	2.202	2.032	5.35
30)	T	m-Toluidine	1.270	1.621	1.725	1.791	1.838	1.902	2.105	2.210	2.276	1.860	16.85
31)	T	2-Chloroaniline	1.465	1.578	1.717	1.763	1.706	1.767	1.913	1.985	2.060	1.773	10.69
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)		1,4-Dioxane		0.485	0.487	0.521	0.437	0.401	0.468	0.430	0.446	0.459	8.33
34)	T	n-Decane	1.305	1.364	1.381	1.475	1.372	1.263	1.425	1.402	1.509	1.388	5.54
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.325	1.285	1.153	1.086	1.018	0.995	1.087	1.085	1.154	1.132	9.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
37)	T	Benzoic Acid					0.141	0.169	0.227	0.248	0.272		*L	0.9979
38)	T	4-Chloroaniline	0.106	0.129	0.120	0.127	0.121	0.121	0.134	0.135	0.144	0.126	8.66	
39)	T	Hexachlorobutadiene	0.207	0.271	0.226	0.212	0.213	0.205	0.221	0.224	0.235	0.224	8.96	
40)	T	p-Chloro-m-cresol	0.217	0.276	0.271	0.272	0.274	0.258	0.315	0.319	0.345	0.283	13.43	
41)	T	2-Methylnaphthalene	0.825	0.784	0.716	0.702	0.687	0.656	0.736	0.735	0.793	0.737	7.41	
42)	T	1-Methylnaphthalene	0.212	0.276	0.236	0.226	0.224	0.218	0.244	0.245	0.263	0.238	8.97	
43)	T	Hexachlorocyclopentadiene	0.164	0.216	0.205	0.204	0.199	0.198	0.231	0.234	0.255	0.212	12.42	
44)	T	2,4,6-Trichlorophenol	0.167	0.222	0.209	0.227	0.233	0.219	0.264	0.272	0.294	0.234	16.11	
45)	T	2,4,5-Trichlorophenol	0.170	0.235	0.231	0.239	0.244	0.237	0.283	0.291	0.307	0.249	16.38	
46)	S	2-Fluorobiphenyl	0.972	1.060	0.884	0.851	0.817	0.767	0.890	0.897	0.961	0.900	9.79	
47)	T	2-Chloronaphthalene	0.858	0.850	0.745	0.729	0.711	0.650	0.756	0.760	0.808	0.763	8.75	
48)	T	2-Nitroaniline			0.155	0.170	0.193	0.181	0.236	0.238	0.255	0.204	18.91	
49)	T	1,4-Dinitrobenzene					0.097	0.089	0.118	0.120	0.125	0.110	14.44	
50)	T	1,3-Dinitrobenzene					0.111	0.105	0.137	0.141	0.151	0.129	15.31	
51)	T	Dimethyl phthalate		0.935	0.868	0.833	0.836	0.737	0.885	0.878	0.930	0.863	7.31	
52)	T	Acenaphthylene	1.141	1.182	1.070	1.063	1.061	0.984	1.192	1.209	1.291	1.132	8.41	
53)	T	2,6-Dinitrotoluene			0.137	0.157	0.164	0.153	0.189	0.184	0.198	0.169	12.99	
54)	T	1,2-Dinitrobenzene			0.060	0.068	0.075	0.068	0.087	0.087	0.093	0.077	16.17	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.187	0.279	0.269	0.280	0.281	0.305	0.337	0.359	0.373	0.297	18.90	
57)	T	3-Chloroaniline		0.137	0.151	0.150	0.156	0.165	0.179	0.179	0.185	0.163	10.60	
58)	T	2,6-Dichlorophenol	0.202	0.277	0.299	0.308	0.315	0.332	0.361	0.382	0.400	0.319	18.62	
59)	T	1-chloro-2-nitrobenzene		0.128	0.136	0.147	0.151	0.154	0.169	0.175	0.180	0.155	12.00	
60)	T	Caprolactam				0.105	0.134	0.151	0.183	0.191	0.191		*L	0.9988
61)	T	1,2,4,5-Tetrachlorobenzene	0.443	0.435	0.442	0.429	0.427	0.425	0.455	0.457	0.484	0.444	4.24	
62)	T	Biphenyl	0.952	1.044	1.044	0.993	0.991	0.977	1.060	1.113	1.147	1.036	6.22	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline			0.278	0.303	0.313	0.311	0.336	0.339	0.360	0.320	8.44	
65)	T	Acenaphthene	1.218	1.273	1.188	1.104	1.021	1.022	1.083	1.136	1.198	1.138	7.76	
66)	T	2,4-Dinitrophenol				0.084	0.124	0.134	0.193	0.218	0.230		*L	0.9940
67)	T	Dibenzofuran	2.280	2.138	1.895	1.802	1.687	1.641	1.747	1.808	1.913	1.879	11.15	
68)	T	2,4-Dinitrotoluene			0.337	0.351	0.395	0.373	0.438	0.470	0.495	0.408	14.87	
69)	T	4-Nitrophenol				0.222	0.245	0.239	0.261	0.271	0.281	0.253	8.58	
70)	T	2,3,5,6-Tetrachlorophenol	0.197	0.299	0.336	0.333	0.348	0.338	0.389	0.402	0.427	0.341	19.68	
71)	T	2,3,4,6-Tetrachlorophenol	0.201	0.266	0.308	0.324	0.340	0.333	0.371	0.378	0.408	0.325	19.20	
72)	T	Diethyl phthalate	1.375	1.432	1.374	1.252	1.250	1.154	1.322	1.361	1.423	1.327	6.91	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	Fluorene	1.456	1.525	1.451	1.329	1.295	1.256	1.361	1.426	1.539	1.404	7.11	
74)	T	4-Chlorophenyl-phenylether	0.799	0.814	0.735	0.664	0.651	0.629	0.678	0.702	0.744	0.713	9.10	
75)	T	4-Nitroaniline			0.278	0.300	0.318	0.301	0.355	0.340	0.350	0.320	8.98	
76)	T	4,6-Dinitro-o-cresol			0.109	0.136	0.186	0.185	0.252	0.271	0.287			*L 0.9939
77)	T	NDPA/DPA	1.043	1.225	1.234	1.127	1.112	1.057	1.178	1.219	1.297	1.166	7.40	
78)	T	Azobenzene	1.162	1.290	1.300	1.178	1.204	1.129	1.249	1.232	1.294	1.226	5.08	
79)	S	2,4,6-Tribromophenol			0.171	0.159	0.175	0.170	0.190	0.214	0.232	0.187	14.31	
80)	T	4-Bromophenyl-phenylether	0.405	0.392	0.386	0.370	0.371	0.341	0.385	0.390	0.423	0.385	6.04	
81)	T	Hexachlorobenzene		0.437	0.445	0.420	0.394	0.381	0.415	0.437	0.469	0.425	6.62	
82)	T	Pentachlorophenol				0.192	0.240	0.234	0.298	0.327	0.345			*L 0.9960
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran				0.122	0.142	0.164	0.212	0.248	0.253			*L 0.9948
85)	T	Pentachloronitrobenzene				0.133	0.159	0.166	0.199	0.221	0.225			*L 0.9975
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine		0.249	0.284	0.293	0.307	0.315	0.369	0.386		0.315	15.27	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.312	1.332	1.162	1.089	1.016	1.017	1.107	1.132	1.194	1.151	9.86	
90)	T	Anthracene	1.105	1.151	1.050	1.039	0.991	0.991	1.111	1.140	1.222	1.089	7.11	
91)	T	Carbazole	0.904	0.969	0.974	0.960	0.930	0.920	1.062	1.071	1.153	0.994	8.41	
92)	T	Di-n-butylphthalate			0.916	0.932	0.979	0.945	1.199	1.313	1.375	1.094	17.94	
93)	T	Fluoranthene	1.268	1.306	1.223	1.157	1.181	1.138	1.279	1.384	1.415	1.261	7.68	
94)	T	Benzidine				0.535	0.618	0.533	0.763	0.778	0.895			*L 0.9908
95)	T	Pyrene	1.429	1.455	1.354	1.285	1.270	1.229	1.363	1.456	1.505	1.372	6.99	
96)	S	4-Terphenyl-d14	0.939	0.964	0.947	0.910	0.888	0.825	0.923	1.043	1.074	0.946	8.01	
97)	T	Butyl benzyl phthalate			0.318	0.342	0.401	0.384	0.557	0.620	0.652			*L 0.9907
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid			0.398	0.403	0.444	0.484	0.554	0.623	0.639	0.507	19.79	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.286	0.314	0.366	0.378	0.385	0.375	0.422	0.435	0.471	0.381	15.10	
102)	T	Parathion			0.053	0.053	0.056	0.066	0.091	0.109	0.134			*Q 0.9983
103)	T	3,3'-Dimethylbenzidine				0.377	0.480	0.541	0.757	0.800	0.926			*L 0.9909
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.617	1.570	1.439	1.357	1.331	1.335	1.472	1.474	1.485	1.453	6.91	
106)	T	3,3'-Dichlorobenzidine		0.323	0.338	0.374	0.418	0.422	0.521	0.547	0.554			*L 0.9961
107)	T	Chrysene		1.739	1.499	1.395	1.295	1.286	1.337	1.326	1.350	1.403	10.81	
108)	T	bis(2-Ethylhexyl)phthalate		0.527	0.534	0.564	0.662	0.667	0.862	0.884	0.905			*Q 0.9973

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL21360**
Calibration dates	**: 07/30/24 19:25 07/31/24 07:43**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
109)	T	Di-n-octylphthalate			0.742	0.786	0.999	1.008	1.405	1.499	1.568		*L	0.9935
110)	T	Benzo(b)fluoranthene	1.184	1.338	1.252	1.212	1.197	1.198	1.244	1.304	1.334	1.251	4.80	
111)	T	Benzo(k)fluoranthene	1.077	1.225	1.303	1.168	1.262	1.274	1.320	1.352	1.281	1.251	6.75	
112)	T	Benzo(a)pyrene	0.929	1.038	1.086	1.053	1.096	1.109	1.188	1.196	1.211	1.101	8.19	
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene		1.038	1.025	0.971	1.020	1.069	1.195	1.207	1.259	1.098	9.69	
115)	T	Dibenzo[a,h]anthracene	0.861	1.013	1.025	1.013	1.012	1.043	1.125	1.166	1.242	1.056	10.39	
116)	T	Benzo(g,h,i)perylene	0.957	1.101	0.996	0.983	0.996	1.024	1.039	0.894	0.806	0.977	8.78	

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.938	0.956	0.854	0.853	0.774	0.776	0.841	0.822	0.847	0.851	7.32
3)	t	Pyridine	1.526	1.555	1.355	1.366	1.292	1.282	1.394	1.350	1.411	1.392	6.76
4)	S	2-Fluorophenol	1.089	1.386	1.143	1.143	1.065	1.079	1.163	1.151	1.186	1.156	8.25
5)	T	Aniline	2.443	2.265	1.992	1.939	1.902	1.866	1.994	1.977	2.059	2.049	9.15
6)	t	2-Chlorophenol	1.386	1.452	1.391	1.240	1.207	1.148	1.258	1.242	1.266	1.288	7.73
7)	S	Phenol-d6	1.942	1.694	1.620	1.534	1.453	1.415	1.522	1.518	1.547	1.583	9.98
8)	T	Phenol	1.941	1.738	1.608	1.689	1.523	1.491	1.603	1.574	1.610	1.642	8.23
9)	T	bis(2-Chloroethyl)ether	1.531	1.511	1.439	1.305	1.256	1.224	1.308	1.272	1.289	1.348	8.51
10)	T	1,3-Dichlorobenzene	1.770	1.860	1.537	1.485	1.464	1.395	1.479	1.444	1.484	1.546	10.25
11)	T	1,4-Dichlorobenzene	1.885	1.638	1.678	1.555	1.449	1.398	1.506	1.482	1.494	1.565	9.52
12)	T	1,2-Dichlorobenzene	1.871	1.694	1.613	1.485	1.397	1.362	1.429	1.421	1.428	1.522	11.13
13)	t	Benzyl alcohol	1.371	1.433	1.236	1.188	1.183	1.159	1.257	1.271	1.309	1.267	7.18
14)	T	bis(2-chloroisopropyl)ether	2.653	2.552	2.257	2.073	2.015	1.932	2.079	1.986	1.948	2.166	12.30
15)	T	2-Methylphenol	1.300	1.270	1.235	1.174	1.110	1.086	1.178	1.131	1.160	1.183	6.14
16)	T	Hexachloroethane	0.743	0.741	0.665	0.601	0.559	0.541	0.597	0.572	0.585	0.623	12.20
17)	T	n-Nitrosodi-n-propylamine	1.092	1.105	1.007	1.074	1.024	0.994	1.084	1.053	1.080	1.057	3.76
18)	T	3-Methylphenol/4-Methylphenol	1.363	1.465	1.312	1.247	1.165	1.157	1.277	1.243	1.280	1.279	7.46
19)	S	Nitrobenzene-d5	1.858	1.740	1.746	1.543	1.455	1.453	1.603	1.562	1.608	1.619	8.50
20)	T	Nitrobenzene	2.001	1.775	1.612	1.641	1.491	1.459	1.644	1.560	1.605	1.643	9.91
21)	T	Isophorone	3.029	2.785	2.705	2.724	2.638	2.597	2.820	2.731	2.813	2.760	4.54
22)	T	2-Nitrophenol	0.681	0.806	0.655	0.635	0.660	0.645	0.712	0.705	0.728	0.692	7.72
23)	T	2,4-Dimethylphenol	1.634	1.347	1.227	1.258	1.205	1.186	1.292	1.260	1.305	1.301	10.34
24)	T	bis(2-Chloroethoxy)methane	2.153	2.035	1.866	1.675	1.631	1.604	1.731	1.640	1.664	1.778	11.08
25)	T	2,4-Dichlorophenol	1.380	1.311	1.180	1.195	1.162	1.144	1.245	1.226	1.254	1.233	6.11
26)	T	1,2,4-Trichlorobenzene	1.956	1.639	1.621	1.445	1.368	1.313	1.454	1.378	1.416	1.510	13.26
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.111	1.153	1.214	1.183	1.184	1.173	1.252	1.213	1.203	1.187	3.40
29)	T	Acetophenone	2.005	2.209	2.136	2.188	2.132	2.136	2.286	2.165	2.167	2.158	3.47
30)	T	m-Toluidine	1.720	2.008	1.857	1.996	1.941	1.939	2.087	2.049	2.015	1.957	5.70
31)	T	2-Chloroaniline	1.443	1.808	1.812	1.652	1.707	1.684	1.822	1.726	1.729	1.709	6.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.788	0.714	0.628	0.587	0.537	0.492	0.510	0.488	0.517	0.584	18.21
34)	T	n-Decane	1.716	1.735	1.686	1.811	1.628	1.542	1.639	1.564	1.638	1.662	5.08
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.303	1.431	1.242	1.087	1.054	1.010	1.077	1.039	1.079	1.147	12.58
37)	T	Benzoic Acid			0.131	0.164	0.227	0.258	0.303	0.315	0.334	*Q	0.9992
38)	T	4-Chloroaniline	0.173	0.208	0.167	0.154	0.164	0.158	0.169	0.162	0.167	0.169	9.29
39)	T	Hexachlorobutadiene	0.385	0.392	0.325	0.271	0.271	0.262	0.278	0.267	0.273	0.303	17.22
40)	T	p-Chloro-m-cresol	0.374	0.367	0.322	0.323	0.324	0.322	0.351	0.345	0.357	0.343	6.06
41)	T	2-Methylnaphthalene	0.892	0.877	0.774	0.747	0.728	0.691	0.731	0.704	0.734	0.764	9.47
42)	T	1-Methylnaphthalene	0.299	0.327	0.311	0.289	0.272	0.266	0.285	0.276	0.287	0.290	6.72
43)	T	Hexachlorocyclopentadiene	0.378	0.376	0.313	0.337	0.315	0.311	0.335	0.323	0.334	0.336	7.62
44)	T	2,4,6-Trichlorophenol	0.308	0.327	0.297	0.279	0.295	0.283	0.310	0.293	0.312	0.301	5.04
45)	T	2,4,5-Trichlorophenol	0.348	0.309	0.337	0.309	0.317	0.311	0.329	0.314	0.323	0.322	4.32

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.238	1.188	1.067	0.970	0.976	0.920	0.987	0.926	0.972	1.027	11.12
47)	T	2-Chloronaphthalene	0.931	0.978	0.829	0.784	0.761	0.738	0.778	0.744	0.771	0.813	10.49
48)	T	2-Nitroaniline	0.268	0.254	0.237	0.225	0.230	0.233	0.256	0.246	0.254	0.245	5.94
49)	T	1,4-Dinitrobenzene	0.102	0.146	0.128	0.126	0.121	0.122	0.139	0.136	0.140	0.129	10.28
50)	T	1,3-Dinitrobenzene	0.169	0.131	0.141	0.145	0.139	0.143	0.157	0.148	0.148	0.147	7.48
51)	T	Dimethyl phthalate	1.130	1.111	1.037	0.925	0.941	0.923	0.970	0.913	0.952	0.989	8.42
52)	T	Acenaphthylene	1.297	1.377	1.312	1.193	1.179	1.169	1.255	1.182	1.232	1.244	5.79
53)	T	2,6-Dinitrotoluene	0.236	0.213	0.202	0.202	0.210	0.206	0.221	0.209	0.216	0.213	5.02
54)	T	1,2-Dinitrobenzene	0.096	0.089	0.094	0.088	0.086	0.089	0.095	0.090	0.092	0.091	3.82
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.395	0.407	0.383	0.389	0.397	0.396	0.419	0.409	0.406	0.400	2.77
57)	T	3-Chloroaniline	0.202	0.187	0.203	0.200	0.200	0.199	0.208	0.203	0.203	0.201	2.82
58)	T	2,6-Dichlorophenol	0.300	0.375	0.339	0.357	0.362	0.374	0.392	0.378	0.378	0.362	7.68
59)	T	1-chloro-2-nitrobenzene	0.152	0.179	0.191	0.180	0.180	0.185	0.189	0.183	0.184	0.180	6.36
60)	T	Caprolactam	0.150	0.175	0.213	0.215	0.213	0.225	0.244	0.230	0.227	0.210	14.05
61)	T	1,2,4,5-Tetrachlorobenzene	0.596	0.583	0.579	0.544	0.531	0.530	0.537	0.516	0.519	0.548	5.43
62)	T	Biphenyl	1.132	1.104	1.120	1.094	1.057	1.061	1.093	1.046	1.050	1.084	2.94
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.248	0.338	0.326	0.319	0.317	0.318	0.331	0.337	0.341	0.319	8.83
65)	T	Acenaphthene	1.363	1.314	1.204	1.106	1.083	1.042	1.074	1.080	1.107	1.153	9.97
66)	T	2,4-Dinitrophenol			0.174	0.168	0.187	0.215	0.242	0.250	0.257	0.213	17.56
67)	T	Dibenzofuran	2.377	2.261	1.986	1.905	1.815	1.738	1.800	1.748	1.794	1.936	12.00
68)	T	2,4-Dinitrotoluene	0.506	0.560	0.460	0.452	0.441	0.460	0.460	0.463	0.471	0.475	7.73
69)	T	4-Nitrophenol	0.282	0.331	0.331	0.326	0.316	0.305	0.329	0.346	0.345	0.323	6.20
70)	T	2,3,5,6-Tetrachlorophenol	0.441	0.426	0.460	0.443	0.456	0.437	0.464	0.465	0.478	0.452	3.65
71)	T	2,3,4,6-Tetrachlorophenol	0.385	0.451	0.449	0.425	0.445	0.431	0.437	0.442	0.448	0.435	4.74
72)	T	Diethyl phthalate	1.707	1.826	1.602	1.465	1.488	1.399	1.423	1.414	1.441	1.529	9.81
73)	T	Fluorene	1.829	1.686	1.572	1.487	1.429	1.398	1.444	1.412	1.445	1.523	9.66
74)	T	4-Chlorophenyl-phenylether	0.920	0.966	0.887	0.754	0.766	0.703	0.750	0.723	0.745	0.801	11.96
75)	T	4-Nitroaniline	0.301	0.357	0.373	0.348	0.342	0.309	0.321	0.322	0.318	0.333	7.13
76)	T	4,6-Dinitro-o-cresol	0.180	0.212	0.253	0.269	0.274	0.278	0.297	0.314	0.317	0.266	17.15
77)	T	NDPA/DPA	1.353	1.467	1.261	1.271	1.207	1.192	1.215	1.189	1.208	1.263	7.35
78)	T	Azobenzene	1.586	1.589	1.442	1.406	1.365	1.340	1.427	1.407	1.451	1.446	6.06
79)	S	2,4,6-Tribromophenol	0.233	0.268	0.232	0.253	0.245	0.244	0.253	0.252	0.264	0.249	4.96
80)	T	4-Bromophenyl-phenylether	0.570	0.626	0.473	0.489	0.472	0.452	0.479	0.464	0.474	0.500	11.64
81)	T	Hexachlorobenzene	0.612	0.703	0.623	0.558	0.532	0.505	0.528	0.526	0.532	0.569	11.29
82)	T	Pentachlorophenol	0.346	0.345	0.300	0.323	0.361	0.371	0.392	0.404	0.409	0.361	10.19
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.212	0.234	0.218	0.220	0.232	0.262	0.276	0.284	0.287	0.247	12.11
85)	T	Pentachloronitrobenzene	0.234	0.253	0.232	0.279	0.261	0.290	0.299	0.290	0.294	0.270	9.62
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.569	0.477	0.491	0.517	0.491	0.463	0.513	0.526	0.531	0.509	6.32
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.330	1.366	1.146	1.122	0.987	0.987	1.054	1.012	1.050	1.117	12.71
90)	T	Anthracene	1.346	1.213	1.150	1.084	0.998	1.020	1.080	1.029	1.074	1.111	9.97

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.222	1.101	1.027	1.019	0.920	0.926	0.999	0.969	0.976	1.018	9.28
92)	T	Di-n-butylphthalate	1.297	1.305	1.177	1.136	1.122	1.124	1.225	1.169	1.201	1.195	5.79
93)	T	Fluoranthene	1.673	1.551	1.365	1.334	1.226	1.231	1.329	1.288	1.296	1.366	10.96
94)	T	Benzidine	0.623	0.736	0.752	0.737	0.709	0.734	0.804	0.785	0.794	0.741	7.34
95)	T	Pyrene	1.722	1.662	1.471	1.406	1.298	1.301	1.394	1.337	1.368	1.440	10.65
96)	S	4-Terphenyl-d14	1.271	1.253	1.090	1.079	0.978	0.959	1.041	1.000	1.009	1.076	10.62
97)	T	Butyl benzyl phthalate	0.640	0.593	0.508	0.530	0.503	0.501	0.562	0.553	0.561	0.550	8.39
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.449	0.557	0.590	0.563	0.545	0.570	0.595	0.598	0.585	0.561	8.15
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.566	0.464	0.504	0.501	0.489	0.462	0.516	0.501	0.475	0.498	6.39
102)	T	Parathion	0.111	0.129	0.128	0.108	0.110	0.113	0.132	0.142	0.145	0.124	11.46
103)	T	3,3'-Dimethylbenzidine	0.534	0.640	0.710	0.782	0.830	0.801	0.917	0.934	0.966	0.791	18.10
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.886	1.694	1.517	1.409	1.348	1.308	1.417	1.345	1.379	1.478	13.03
106)	T	3,3'-Dichlorobenzidine	0.472	0.521	0.444	0.457	0.464	0.489	0.527	0.507	0.521	0.489	6.37
107)	T	Chrysene	1.853	1.775	1.481	1.363	1.296	1.258	1.301	1.256	1.277	1.429	16.08
108)	T	bis(2-Ethylhexyl)phthalate	0.892	0.841	0.769	0.757	0.799	0.796	0.849	0.817	0.835	0.817	5.15
109)	T	Di-n-octylphthalate	1.452	1.362	1.285	1.241	1.299	1.297	1.432	1.390	1.413	1.352	5.49
110)	T	Benzo(b)fluoranthene	1.696	1.671	1.537	1.403	1.294	1.235	1.381	1.329	1.326	1.430	11.62
111)	T	Benzo(k)fluoranthene	1.681	1.662	1.379	1.328	1.239	1.269	1.288	1.171	1.188	1.356	14.02
112)	T	Benzo(a)pyrene	1.402	1.440	1.283	1.193	1.133	1.161	1.230	1.175	1.157	1.242	8.96
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.309	1.196	1.123	1.101	1.076	1.040	1.130	0.901	0.862	1.082	12.71
115)	T	Dibenzo[a,h]anthracene	1.237	1.190	1.068	1.055	1.022	0.999	1.041	0.883	0.880	1.042	11.47
116)	T	Benzo(g,h,i)perylene	1.225	1.168	1.042	1.002	0.980	0.938	0.975	0.728	0.620	0.964	19.83

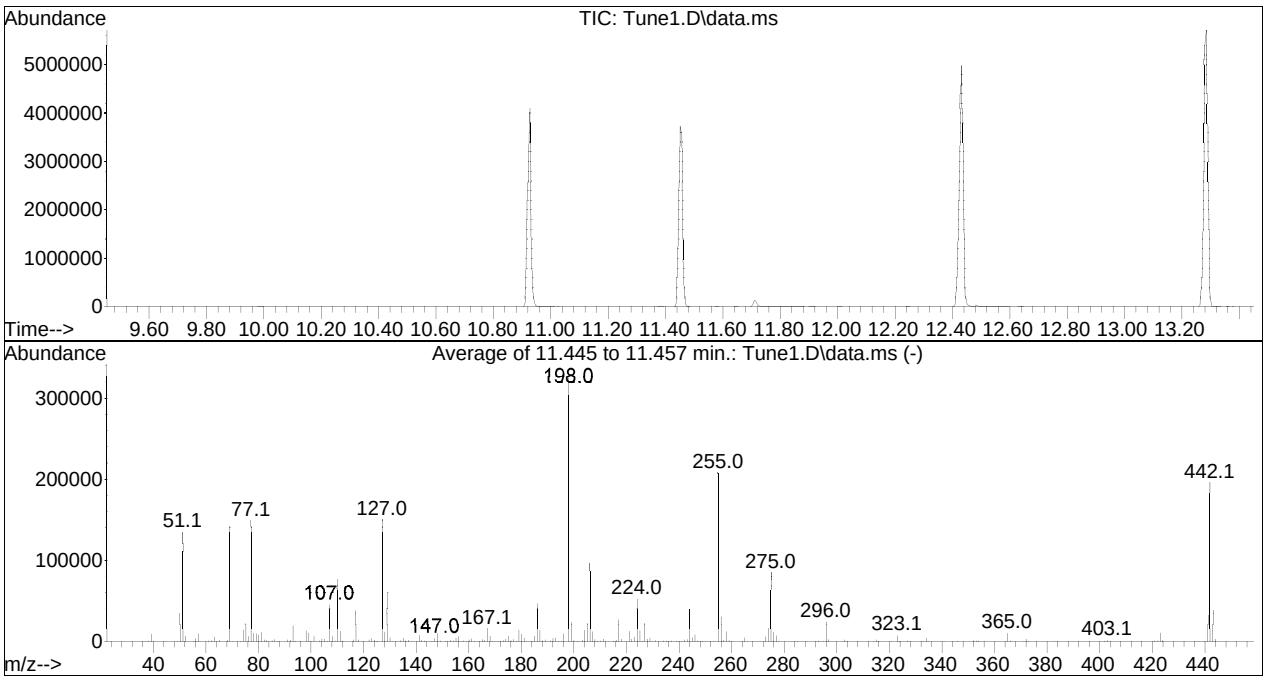
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024



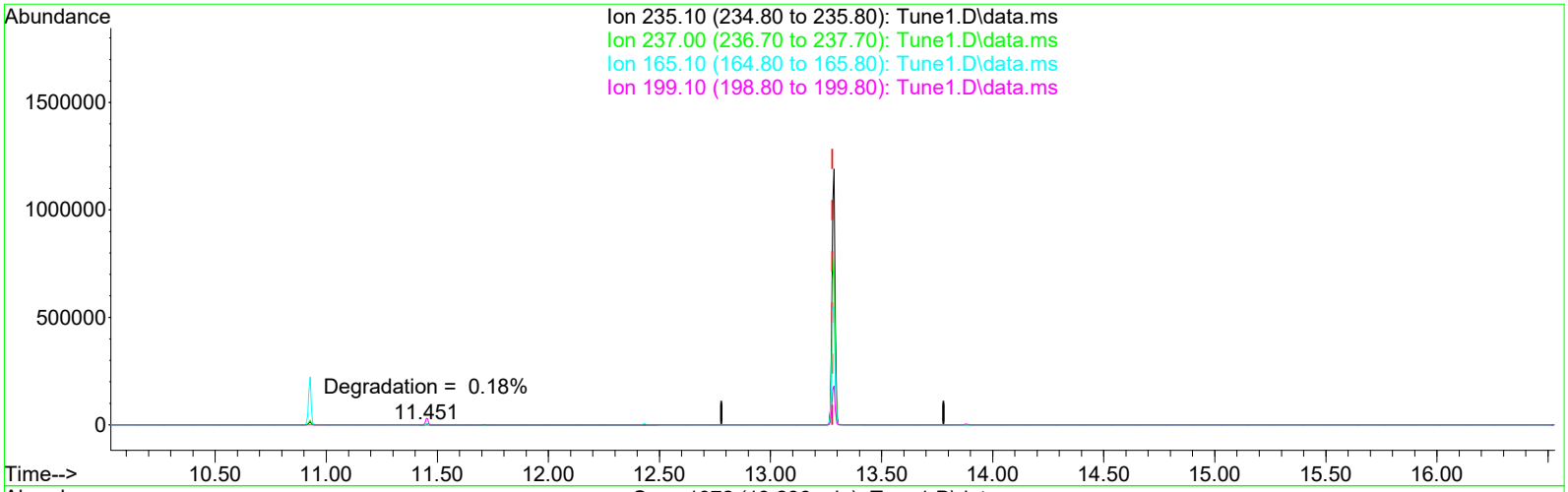
Spectrum Information: Average of 11.445 to 11.457 min.

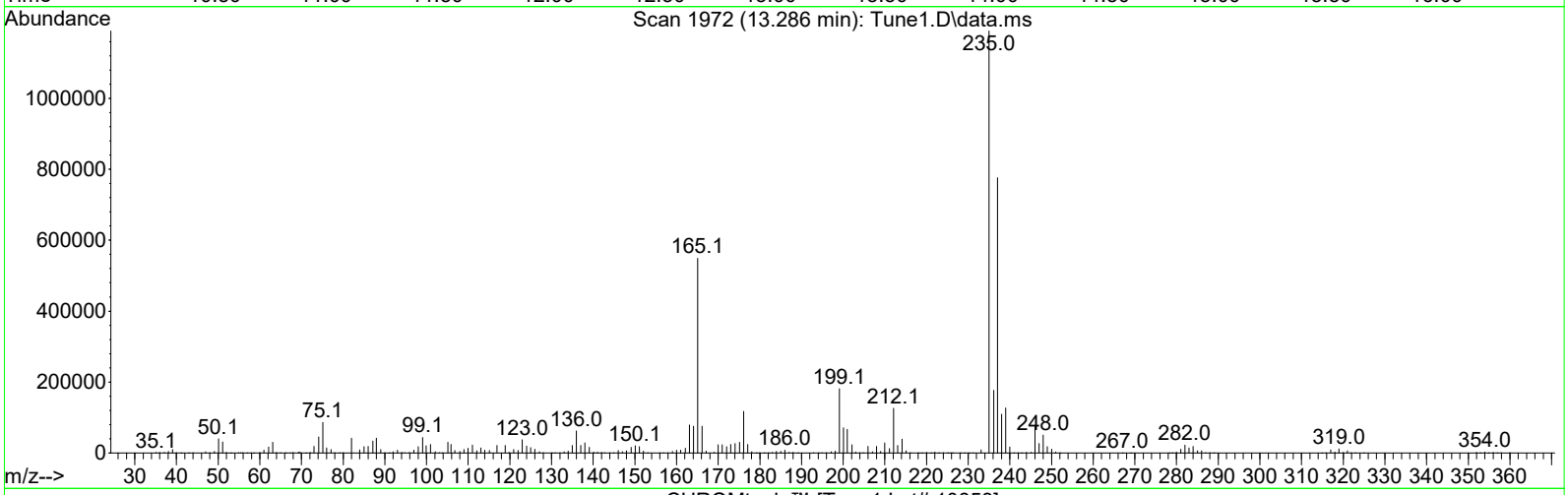
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.3	134464	PASS
68	69	0.00	2	1.7	2440	PASS
69	69	100	100	100.0	142152	PASS
70	69	0.00	2	0.5	780	PASS
127	198	10	80	46.2	150395	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	325269	PASS
199	198	5	9	7.2	23345	PASS
275	198	10	60	25.9	84395	PASS
365	198	1	100	3.1	9998	PASS
441	442	0.01	24	16.5	32150	PASS
442	198	50	100	59.9	194960	PASS
443	442	15	24	19.6	38192	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 10853]

(6) DDT (T)

13.286min (+ 0.006) 186.42

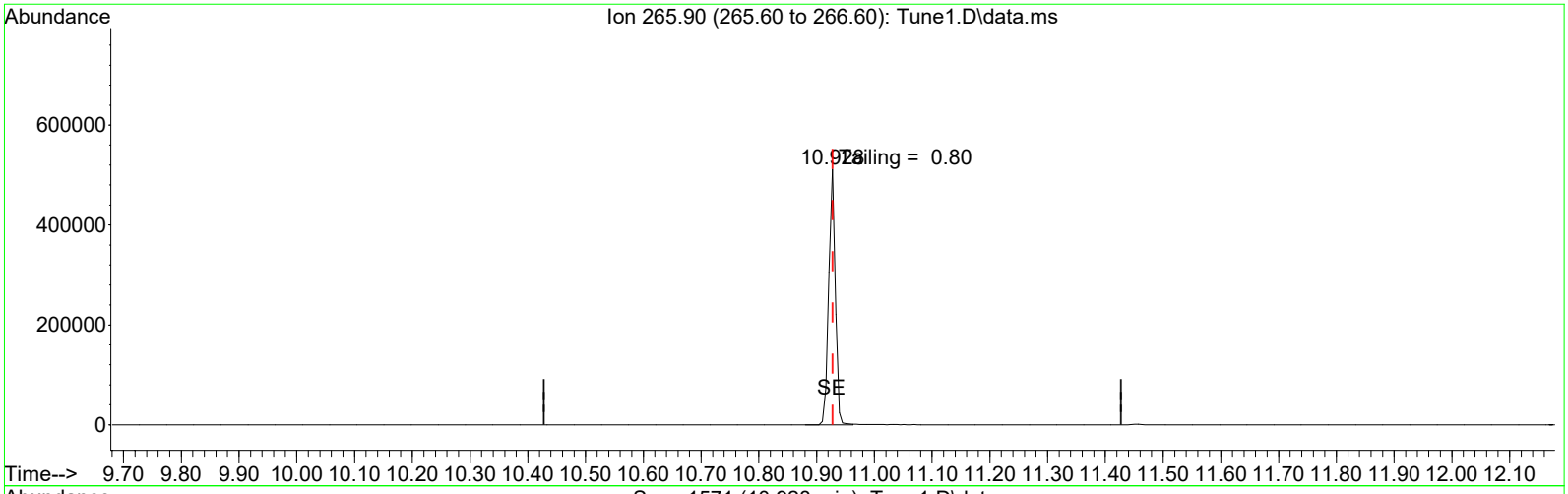
response 1136338

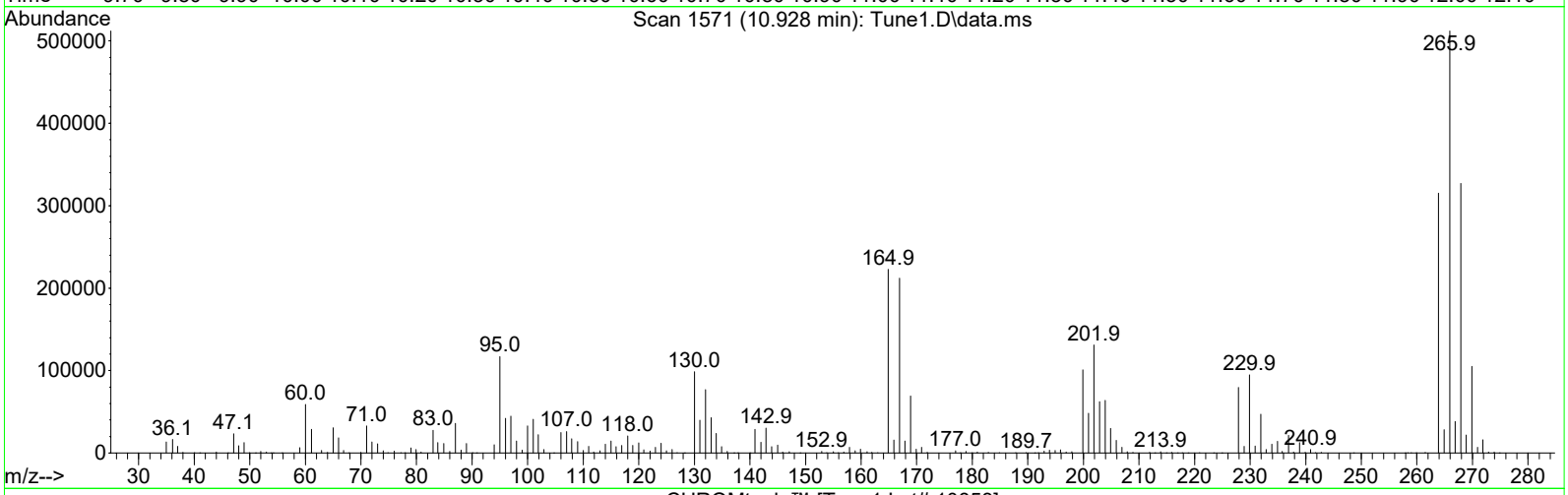
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.70
165.10	44.50	48.03
199.10	14.80	15.43

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 10853]

(1) Pentachlorophenol (T)

10.928min (-0.001) 194.55

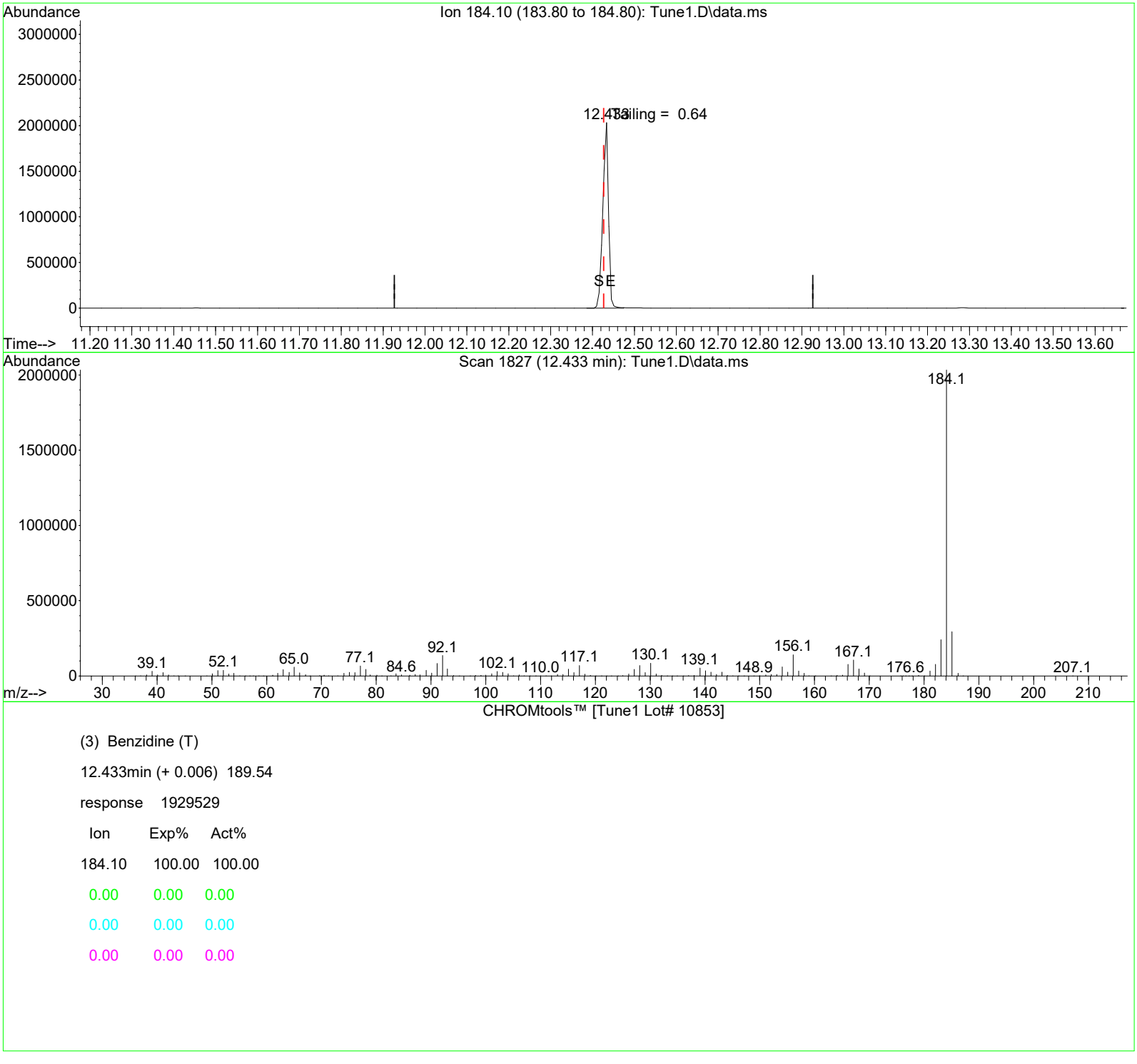
response 408616

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration



(3) Benzidine (T)

12.433min (+ 0.006) 189.54

response 1929529

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.463	152	32717	4.000 ug/ml	# 0.00
Standard Area 1 = 34411			Recovery = 95.08%		
35) IS1_Naphthalene-d8	7.892	136	116482	4.000 ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 96.13%		
63) IS1_Acenaphthene-d10	9.657	164	76080	4.000 ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.79%		
88) IS1_Phenanthrene-d10	11.098	188	164872	4.000 ug/ml	0.00
Standard Area 1 = 176143			Recovery = 93.60%		
104) IS1_Chrysene-d12	13.757	240	165960	4.000 ug/ml	# 0.01
Standard Area 1 = 174707			Recovery = 94.99%		
113) IS1_Perylene-d12	15.221	264	170773	4.000 ug/ml	0.00
Standard Area 1 = 195526			Recovery = 87.34%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.581	112	484863	52.419 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2620.95%#		
7) Phenol-d6	6.104	99	632521	52.936 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2646.80%#		
19) Nitrobenzene-d5	7.122	82	657496	51.389 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5138.90%#		
46) 2-Fluorobiphenyl	9.016	172	1414928	52.386 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5238.60%#		
79) 2,4,6-Tribromophenol	10.433	330	251000	62.012 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3100.60%#		
96) 4-Terphenyl-d14	12.692	244	2078553	58.541 ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 5854.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.157	74	346550	53.715 ug/ml#	72
3) Pyridine	2.198	79	576884	59.734 ug/ml#	65
5) Aniline	6.063	93	841924	54.465 ug/ml	99
6) 2-Chlorophenol	6.210	128	517763	51.486 ug/ml	99
8) Phenol	6.122	94	658232	51.701 ug/ml	91
9) Bis(2-chloroethyl)ether	6.186	93	527037	52.422 ug/ml#	76
10) 1,3-Dichlorobenzene	6.392	146	606734	52.135 ug/ml	99
11) 1,4-Dichlorobenzene	6.486	146	611062	50.265 ug/ml	99
12) 1,2-Dichlorobenzene	6.663	146	583898	52.614 ug/ml	99
13) Benzyl alcohol	6.681	79	535471	55.065 ug/ml	92
14) Bis(2-chloroisopropyl)...	6.851	45	796608	53.609 ug/ml#	52

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.845	108	474449	52.371	ug/ml	98
16) Hexachloroethane	7.051	117	239091	48.237	ug/ml#	53
17) n-Nitrosodi-n-propylamine	7.004	70	441666	52.203	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.033	108	523630	53.173	ug/ml	99
20) Nitrobenzene	7.145	77	656482	53.331	ug/ml	92
21) Isophorone	7.428	82	1150385	52.676	ug/ml#	93
22) 2-Nitrophenol	7.498	139	297532	58.452	ug/ml#	89
23) 2,4-Dimethylphenol	7.604	107	533668	51.750	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.698	93	680698	49.681	ug/ml#	96
25) 2,4-Dichlorophenol	7.769	162	512698	54.545	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.845	180	578950	50.427	ug/ml	98
36) Naphthalene	7.916	128	1570488	50.574	ug/ml	99
37) Benzoic Acid	7.792	105	486643	54.483	ug/ml	95
38) 4-Chloroaniline	7.998	65	242854	52.152	ug/ml	90
39) Hexachlorobutadiene	8.080	225	397688	49.660	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	519164	54.542	ug/ml	94
41) 2-Methylnaphthalene	8.633	142	1068269	51.630	ug/ml#	94
42) 1-Methylnaphthalene	8.727	115	418575	48.386	ug/ml	77
43) Hexachlorocyclopentadiene	8.810	237	485636	61.086	ug/ml	99
44) 2,4,6-Trichlorophenol	8.927	196	453661	58.652	ug/ml	97
45) 2,4,5-Trichlorophenol	8.957	196	470572	55.857	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	1121885	51.853	ug/ml	98
48) 2-Nitroaniline	9.227	138	369880	59.038	ug/ml	99
49) 1,4-Dinitrobenzene	9.363	168	203442	61.307	ug/ml	86
50) 1,3-Dinitrobenzene	9.439	168	216044	56.942	ug/ml#	1
51) Dimethyl phthalate	9.439	163	1385638	48.459	ug/ml#	99
52) Acenaphthylene	9.516	152	1794194	53.328	ug/ml	100
53) 2,6-Dinitrotoluene	9.480	165	315063	54.862	ug/ml	88
54) 1,2-Dinitrobenzene	9.527	168	134287	59.461	ug/ml#	1
64) 3-Nitroaniline	9.639	138	324497	58.265	ug/ml	94
65) Acenaphthene	9.692	154	1053017	55.894	ug/ml	93
66) 2,4-Dinitrophenol	9.739	184	244160	65.424	ug/ml	92
67) Dibenzofuran	9.863	168	1706078	51.723	ug/ml	97
68) 2,4-Dinitrotoluene	9.874	165	447959	59.122	ug/ml	96
69) 4-Nitrophenol	9.827	65	328543	54.981	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.951	232	454854	67.824	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.998	232	426460	64.769	ug/ml	97
72) Diethyl phthalate	10.133	149	1370032	49.913	ug/ml	98
73) Fluorene	10.198	166	1374365	53.032	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.216	204	708419	51.959	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.239	138	302645	55.479	ug/ml#	82
76)	4,6-Dinitro-o-cresol	10.269	198	301830	70.707	ug/ml#	67
77)	NDPA/DPA	10.333	169	1148670	53.823	ug/ml	96
78)	Azobenzene	10.368	77	1379449	50.728	ug/ml	99
80)	4-Bromophenyl phenyl e...	10.686	248	450424M3	55.451	ug/ml	
81)	Hexachlorobenzene	10.739	284	506275	53.834	ug/ml#	80
82)	Pentachlorophenol	10.933	266	389063	71.000	ug/ml	99
89)	Phenanthrene	11.127	178	2163617	53.153	ug/ml	99
90)	Anthracene	11.174	178	2212811	54.951	ug/ml	99
91)	Carbazole	11.345	167	2012029	54.613	ug/ml	100
92)	Di-n-butylphthalate	11.733	149	2475111	55.123	ug/ml	99
93)	Fluoranthene	12.286	202	2670017	57.292	ug/ml#	91
94)	Benzidine	12.439	184	1635964	61.233	ug/ml#	94
95)	Pyrene	12.504	202	2820132	57.308	ug/ml	100
97)	Butyl benzyl phthalate	13.215	149	1156504	60.560	ug/ml	96
105)	Benzo(a)anthracene	13.745	228	2861362	53.298	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.745	252	1081792	58.501	ug/ml#	96
107)	Chrysene	13.786	228	2650129	50.014	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.857	149	1731431	54.397	ug/ml#	95
109)	Di-n-octylphthalate	14.545	149	2930404	56.200	ug/ml#	75
110)	Benzo(b)fluoranthene	14.862	252	2750629	56.118	ug/ml#	92
111)	Benzo(k)fluoranthene	14.892	252	2464317M3	51.471	ug/ml	
112)	Benzo(a)pyrene	15.174	252	2400552	54.683	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	16.221	276	1840389M6	43.859	ug/mL	
115)	Dibenzo(a,h)anthracene	16.245	278	1877445	47.055	ug/ml#	86
116)	Benzo(ghi)perylene	16.474	276	1323180	33.589	ug/ml#	82

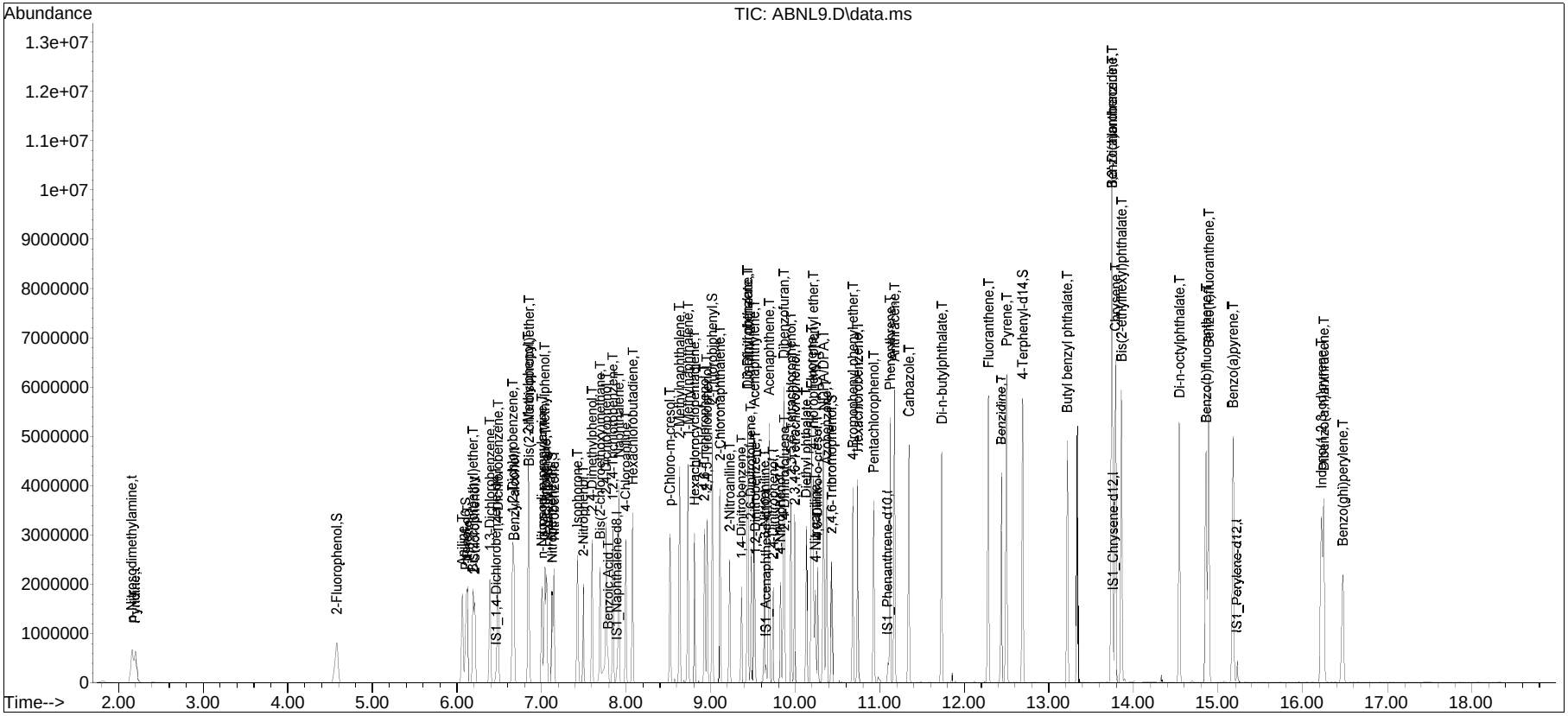
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

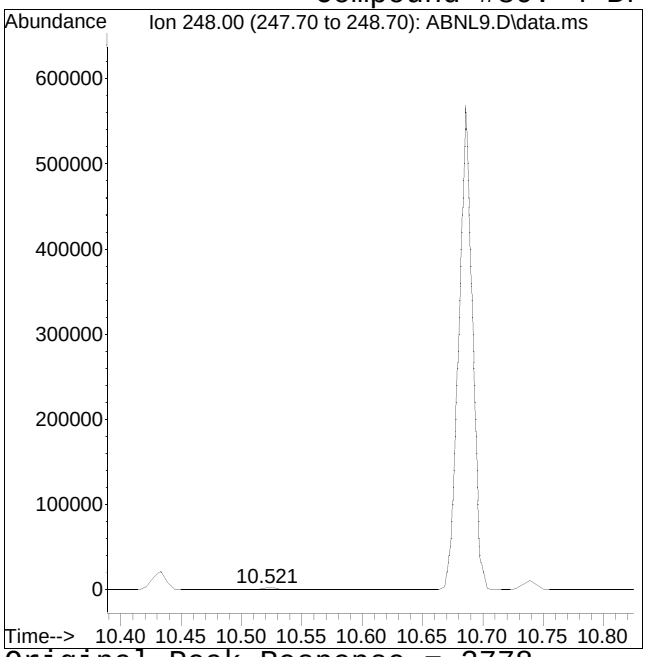
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

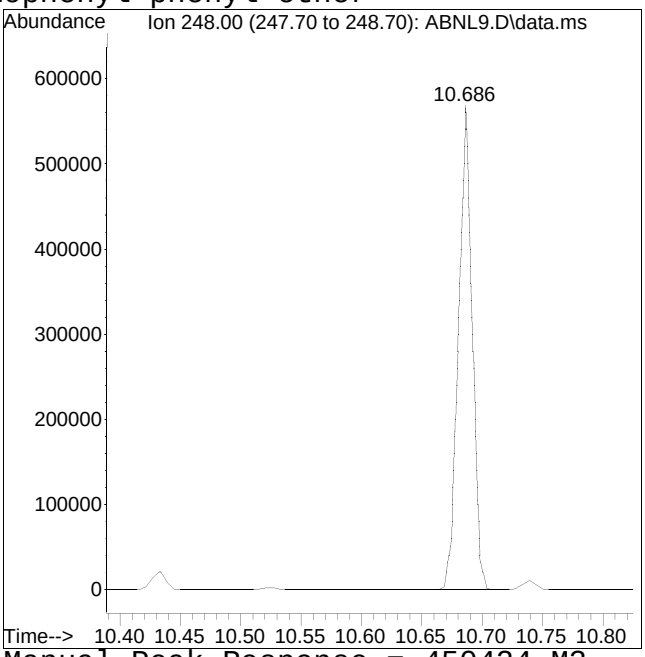


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #80: 4-Bromophenyl phenyl ether



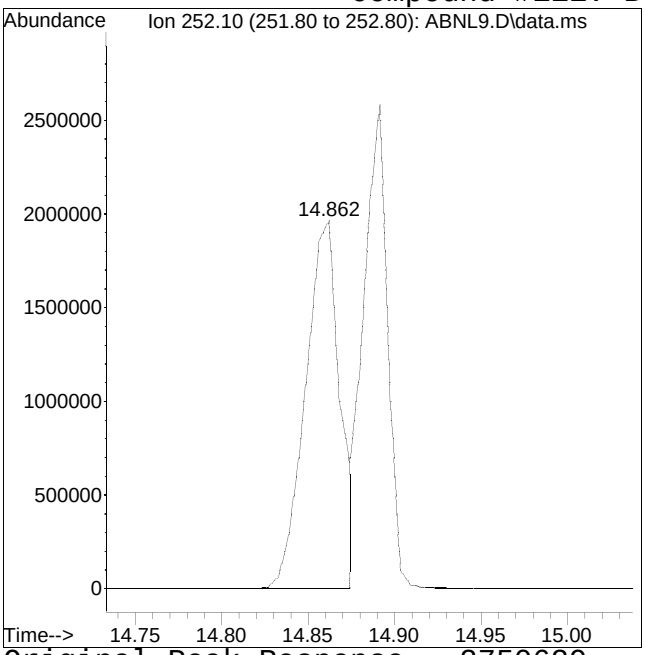


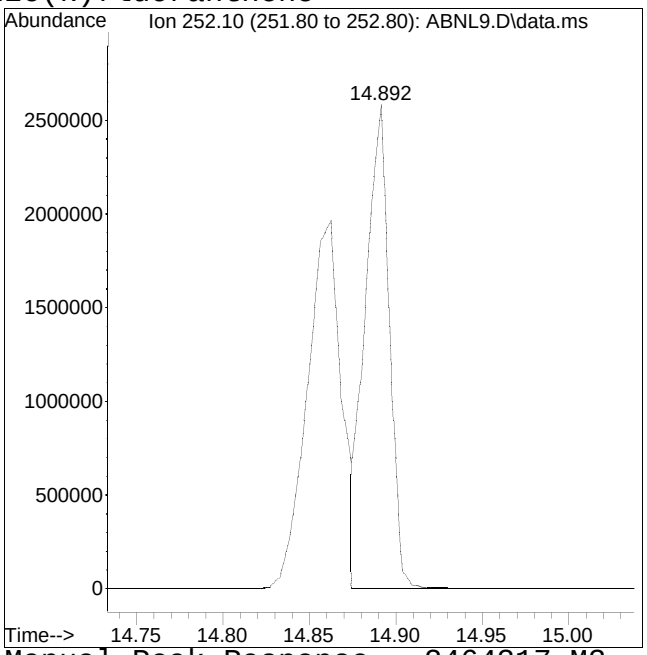
Original Peak Response = 2778 Manual Peak Response = 450424 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #111: Benzo(k)fluoranthene



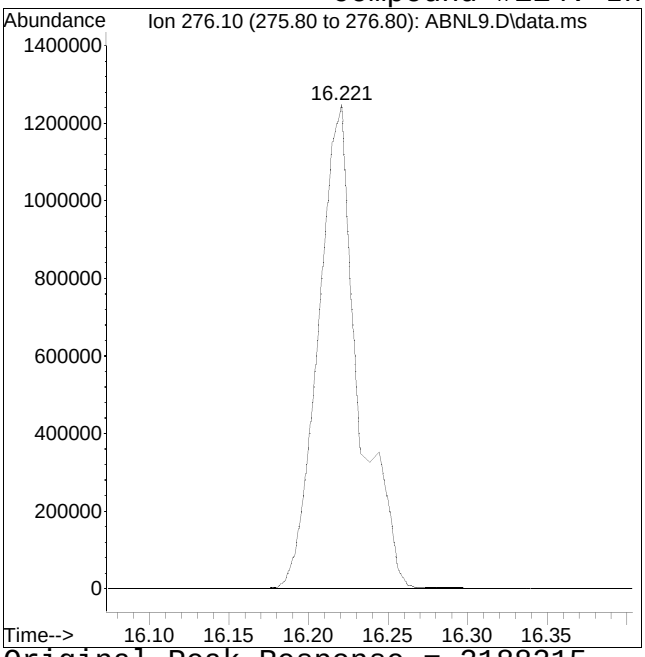


Original Peak Response = 2750629 Manual Peak Response = 2464317 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

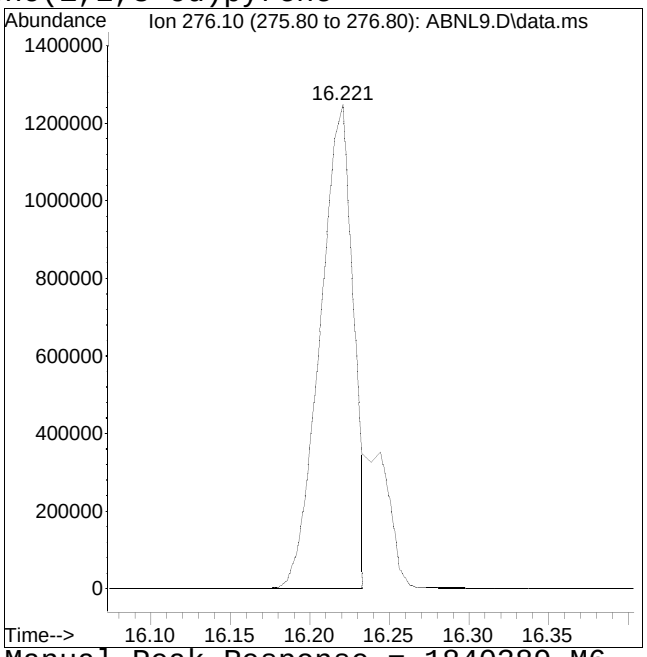
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2188215



Manual Peak Response = 1840389 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.463	152	33019	4.000 ug/ml	# 0.00
Standard Area 1 = 34411			Recovery = 95.95%		
35) IS1_Naphthalene-d8	7.887	136	118189	4.000 ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 97.53%		
63) IS1_Acenaphthene-d10	9.657	164	76354	4.000 ug/ml	0.00
Standard Area 1 = 79426			Recovery = 96.13%		
88) IS1_Phenanthrene-d10	11.098	188	169867	4.000 ug/ml	0.00
Standard Area 1 = 176143			Recovery = 96.44%		
104) IS1_Chrysene-d12	13.751	240	174167	4.000 ug/ml	0.00
Standard Area 1 = 174707			Recovery = 99.69%		
113) IS1_Perylene-d12	15.221	264	190607	4.000 ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.48%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.575	112	237510	25.442 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1272.10%#		
7) Phenol-d6	6.098	99	313213	25.973 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1298.65%#		
19) Nitrobenzene-d5	7.116	82	322364	24.965 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2496.50%#		
46) 2-Fluorobiphenyl	9.016	172	683862	24.953 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2495.30%#		
79) 2,4,6-Tribromophenol	10.428	330	120340	29.624 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1481.20%#		
96) 4-Terphenyl-d14	12.686	244	1062138	29.035 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2903.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.152	74	169555	26.041 ug/ml#	72
3) Pyridine	2.193	79	278686	28.593 ug/ml#	66
5) Aniline	6.057	93	408055	26.156 ug/ml	99
6) 2-Chlorophenol	6.204	128	256233	25.247 ug/ml	100
8) Phenol	6.110	94	324899	25.286 ug/ml	91
9) Bis(2-chloroethyl)ether	6.187	93	262476	25.868 ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	297987	25.371 ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	305850	24.928 ug/ml	99
12) 1,2-Dichlorobenzene	6.663	146	293321	26.189 ug/ml	99
13) Benzyl alcohol	6.669	79	262244	26.721 ug/ml	91
14) Bis(2-chloroisopropyl)...	6.845	45	409819	27.327 ug/ml#	55

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	233353	25.523	ug/ml	97
16) Hexachloroethane	7.051	117	118082	23.605	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.998	70	217266	25.445	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.028	108	256559	25.815	ug/ml	98
20) Nitrobenzene	7.140	77	322030	25.921	ug/ml	92
21) Isophorone	7.422	82	563506	25.567	ug/ml	94
22) 2-Nitrophenol	7.498	139	145422	28.308	ug/ml#	90
23) 2,4-Dimethylphenol	7.598	107	260041	24.986	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.692	93	338538	24.483	ug/ml	97
25) 2,4-Dichlorophenol	7.763	162	252916	26.661	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.845	180	284342	24.540	ug/ml	98
36) Naphthalene	7.910	128	767174	24.348	ug/ml	99
37) Benzoic Acid	7.751	105	232608	27.348	ug/ml	96
38) 4-Chloroaniline	7.992	65	119766	25.348	ug/ml	90
39) Hexachlorobutadiene	8.081	225	197178	24.266	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	254908	26.393	ug/ml	93
41) 2-Methylnaphthalene	8.628	142	520103	24.774	ug/ml#	94
42) 1-Methylnaphthalene	8.722	115	203926	23.233	ug/ml	78
43) Hexachlorocyclopentadiene	8.810	237	238503	29.567	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	216636	27.603	ug/ml	97
45) 2,4,5-Trichlorophenol	8.957	196	231634	27.098	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	549791	25.044	ug/ml	97
48) 2-Nitroaniline	9.222	138	181912	28.616	ug/ml	98
49) 1,4-Dinitrobenzene	9.357	168	100201	29.759	ug/ml	87
50) 1,3-Dinitrobenzene	9.433	168	109410	28.420	ug/ml#	1
51) Dimethyl phthalate	9.433	163	674367	23.244	ug/ml#	99
52) Acenaphthylene	9.510	152	873316	25.582	ug/ml	100
53) 2,6-Dinitrotoluene	9.475	165	154706	26.550	ug/ml	87
54) 1,2-Dinitrobenzene	9.516	168	66227	28.901	ug/ml#	1
64) 3-Nitroaniline	9.628	138	160872	28.782	ug/ml	93
65) Acenaphthene	9.686	154	515334	27.256	ug/ml	92
66) 2,4-Dinitrophenol	9.728	184	119484	32.073	ug/ml	92
67) Dibenzofuran	9.857	168	834268	25.202	ug/ml	97
68) 2,4-Dinitrotoluene	9.863	165	221103	29.077	ug/ml	96
69) 4-Nitrophenol	9.822	65	165093	27.529	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.951	232	221732	32.944	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.992	232	210898	31.916	ug/ml	98
72) Diethyl phthalate	10.128	149	674982	24.502	ug/ml	97
73) Fluorene	10.192	166	673937	25.911	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	344854	25.203	ug/ml	89

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.228	138	153735	28.080	ug/ml#	83
76)	4,6-Dinitro-o-cresol	10.257	198	149905	34.991	ug/ml#	66
77)	NDPA/DPA	10.328	169	567620	26.501	ug/ml	97
78)	Azobenzene	10.363	77	671206	24.594	ug/ml	98
80)	4-Bromophenyl phenyl e...	10.680	248	221514M3	27.173	ug/ml	
81)	Hexachlorobenzene	10.733	284	250937	26.587	ug/ml#	80
82)	Pentachlorophenol	10.927	266	192805	35.059	ug/ml	100
89)	Phenanthrene	11.122	178	1074767	25.627	ug/ml	99
90)	Anthracene	11.169	178	1092831	26.340	ug/ml	99
91)	Carbazole	11.339	167	1028776	27.103	ug/ml	99
92)	Di-n-butylphthalate	11.727	149	1241508	26.836	ug/ml	99
93)	Fluoranthene	12.280	202	1367094	28.472	ug/ml#	91
94)	Benzidine	12.433	184	833166	30.268	ug/ml#	94
95)	Pyrene	12.498	202	1419120	27.990	ug/ml	100
97)	Butyl benzyl phthalate	13.216	149	587626	29.866	ug/ml	95
105)	Benzo(a)anthracene	13.739	228	1463603	25.977	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.739	252	552003	28.444	ug/ml#	96
107)	Chrysene	13.780	228	1367208	24.587	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.857	149	889141	26.618	ug/ml#	94
109)	Di-n-octylphthalate	14.539	149	1513217	27.653	ug/ml#	75
110)	Benzo(b)fluoranthene	14.857	252	1446447	28.119	ug/ml#	91
111)	Benzo(k)fluoranthene	14.880	252	1274585	25.367	ug/ml#	92
112)	Benzo(a)pyrene	15.168	252	1279446M3	27.771	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	16.215	276	1073913M6	22.929	ug/mL	
115)	Dibenzo(a,h)anthracene	16.239	278	1052473	23.633	ug/ml#	86
116)	Benzo(ghi)perylene	16.468	276	867244	19.724	ug/ml#	82

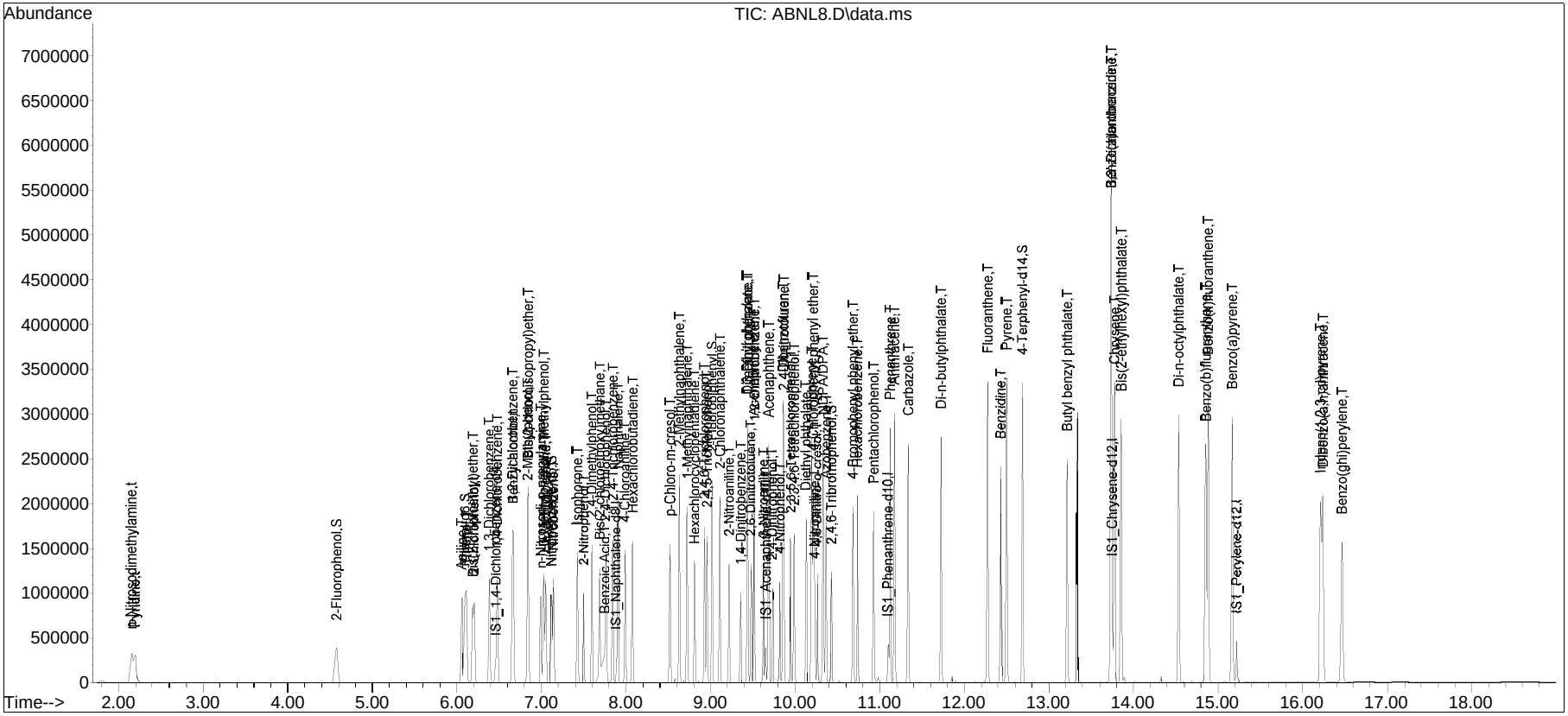
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

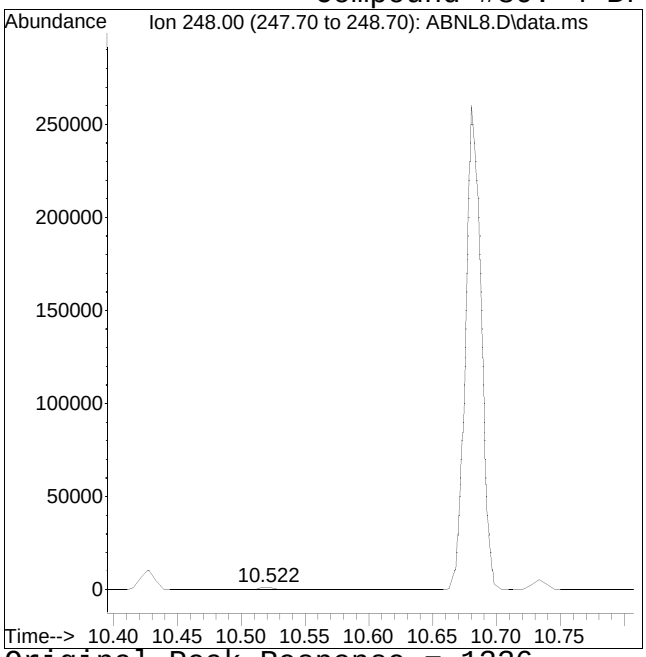
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

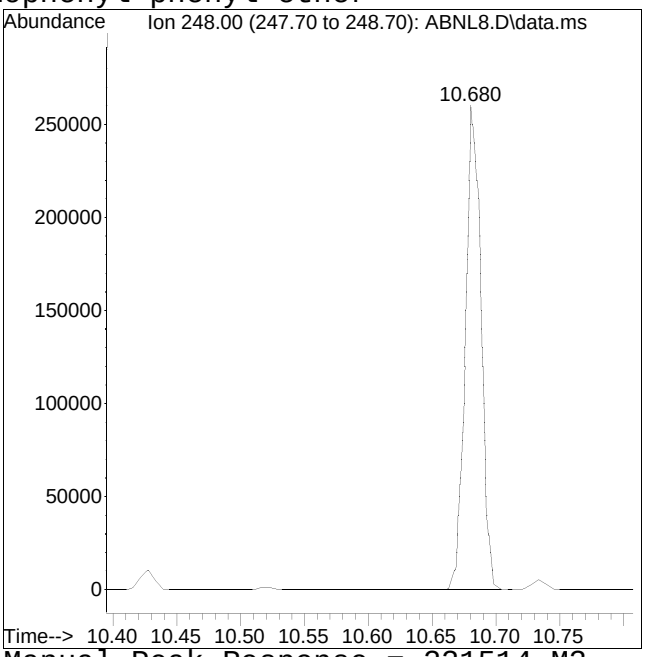


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #80: 4-Bromophenyl phenyl ether



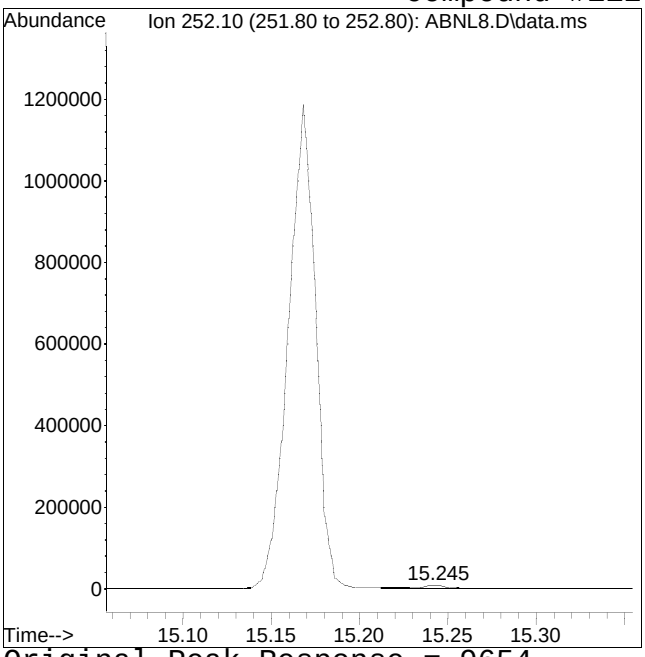


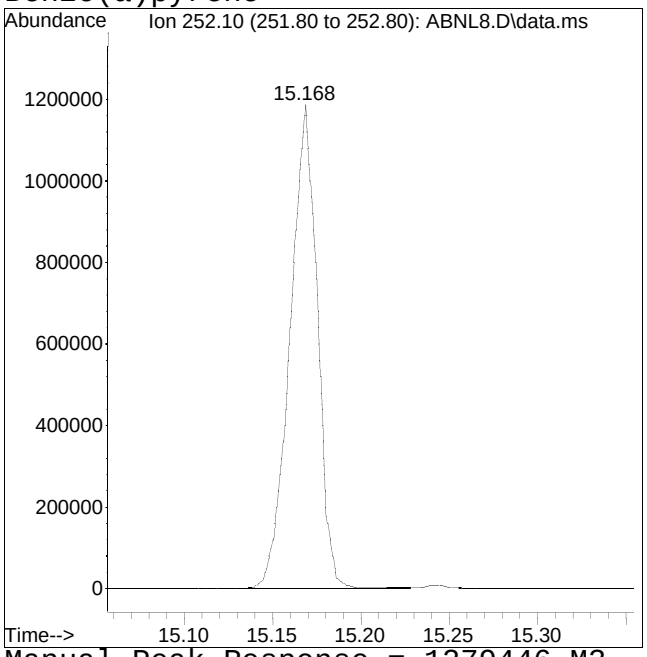
Original Peak Response = 1336 Manual Peak Response = 221514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #112: Benzo(a)pyrene





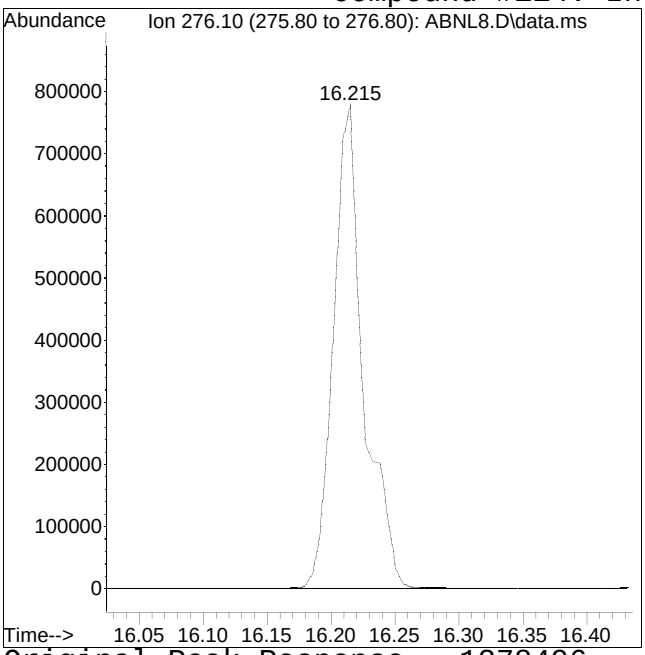
Original Peak Response = 9654 Manual Peak Response = 1279446 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

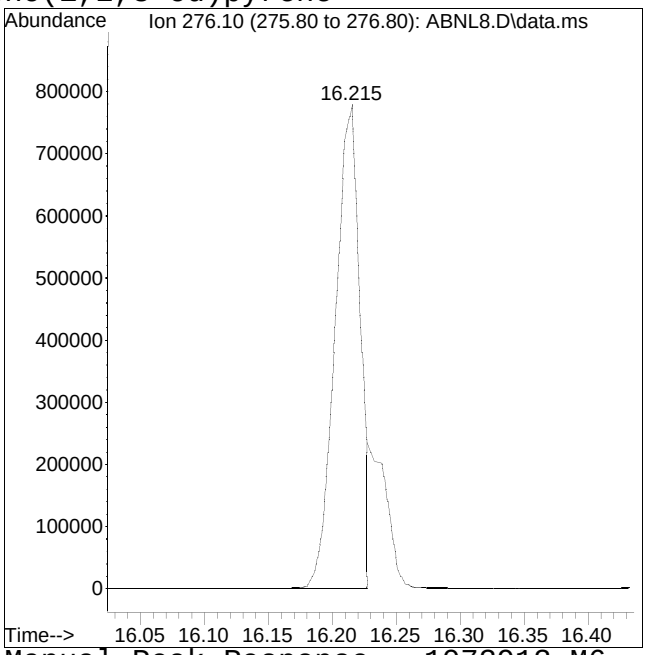
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1278496



Manual Peak Response = 1073913 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	33998	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 98.80%			
35) IS1_Naphthalene-d8	7.887	136	120937	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 99.80%			
63) IS1_Acenaphthene-d10	9.657	164	80608	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 101.49%			
88) IS1_Phenanthrene-d10	11.098	188	172374	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 97.86%			
104) IS1_Chrysene-d12	13.745	240	173028	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 99.04%			
113) IS1_Perylene-d12	15.221	264	190260	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.31%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	98879	10.287	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 514.35%#			
7) Phenol-d6	6.093	99	129362	10.418	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 520.90%#			
19) Nitrobenzene-d5	7.116	82	136275	10.250	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1025.00%#			
46) 2-Fluorobiphenyl	9.010	172	298392	10.641	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1064.10%#			
79) 2,4,6-Tribromophenol	10.428	330	51001	11.892	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 594.60%#			
96) 4-Terphenyl-d14	12.686	244	448569	12.084	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1208.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	71445	10.657	ug/ml#	71
3) Pyridine	2.187	79	118475	11.805	ug/ml#	66
5) Aniline	6.051	93	169471	10.550	ug/ml	100
6) 2-Chlorophenol	6.198	128	106942	10.234	ug/ml	100
8) Phenol	6.110	94	136242	10.298	ug/ml#	91
9) Bis(2-chloroethyl)ether	6.181	93	111165	10.640	ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	125722	10.396	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	127977	10.130	ug/ml	100
12) 1,2-Dichlorobenzene	6.657	146	121496	10.535	ug/ml	98
13) Benzyl alcohol	6.669	79	106868	10.576	ug/ml	94
14) Bis(2-chloroisopropyl)...	6.845	45	176726	11.445	ug/ml#	56

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	100114	10.635	ug/ml	98
16) Hexachloroethane	7.051	117	50737	9.851	ug/ml#	52
17) n-Nitrosodi-n-propylamine	6.993	70	92145	10.481	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.028	108	108575	10.610	ug/ml	98
20) Nitrobenzene	7.134	77	139715	10.922	ug/ml	91
21) Isophorone	7.416	82	239645	10.560	ug/ml	93
22) 2-Nitrophenol	7.498	139	60502	11.438	ug/ml#	89
23) 2,4-Dimethylphenol	7.598	107	109786	10.245	ug/ml	91
24) Bis(2-chloroethoxy)met...	7.687	93	147145	10.335	ug/ml	97
25) 2,4-Dichlorophenol	7.763	162	105835	10.835	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.845	180	123619	10.362	ug/ml	98
36) Naphthalene	7.910	128	325650	10.100	ug/ml	99
37) Benzoic Acid	7.710	105	91700	11.073	ug/ml	96
38) 4-Chloroaniline	7.992	65	50979	10.544	ug/ml	91
39) Hexachlorobutadiene	8.081	225	84040	10.108	ug/ml	98
40) p-Chloro-m-cresol	8.516	107	106171	10.743	ug/ml	95
41) 2-Methylnaphthalene	8.628	142	221157	10.295	ug/ml#	93
42) 1-Methylnaphthalene	8.722	115	86121	9.589	ug/ml	80
43) Hexachlorocyclopentadiene	8.804	237	101147	12.254	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	93810	11.682	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	99391	11.363	ug/ml	97
47) 2-Chloronaphthalene	9.110	162	235262	10.473	ug/ml	97
48) 2-Nitroaniline	9.222	138	77367	11.894	ug/ml	97
49) 1,4-Dinitrobenzene	9.357	168	42058	12.207	ug/ml	87
50) 1,3-Dinitrobenzene	9.434	168	47548	12.070	ug/ml#	1
51) Dimethyl phthalate	9.428	163	293217	9.877	ug/ml#	98
52) Acenaphthylene	9.510	152	379388	10.861	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	66760	11.197	ug/ml	88
54) 1,2-Dinitrobenzene	9.510	168	28669	12.227	ug/ml#	1
64) 3-Nitroaniline	9.628	138	66639	11.293	ug/ml	91
65) Acenaphthene	9.686	154	216464	10.844	ug/ml	90
66) 2,4-Dinitrophenol	9.728	184	48836	12.623	ug/ml#	89
67) Dibenzofuran	9.857	168	362712	10.379	ug/ml	97
68) 2,4-Dinitrotoluene	9.857	165	92663	11.543	ug/ml	95
69) 4-Nitrophenol	9.816	65	66265	10.466	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.945	232	93502	13.159	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.986	232	88033	12.619	ug/ml	96
72) Diethyl phthalate	10.122	149	286731	9.859	ug/ml	98
73) Fluorene	10.192	166	290969	10.597	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	151106	10.460	ug/ml	88

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 4-Nitroaniline	10.216	138	64740	11.201	ug/ml#	88
76) 4,6-Dinitro-o-cresol	10.251	198	59863	13.236	ug/ml#	66
77) NDPA/DPA	10.328	169	244751	10.824	ug/ml	97
78) Azobenzene	10.357	77	287583	9.981	ug/ml	97
80) 4-Bromophenyl phenyl e...	10.681	248	96586	11.223	ug/ml#	84
81) Hexachlorobenzene	10.733	284	106470	10.685	ug/ml#	81
82) Pentachlorophenol	10.928	266	78930	13.595	ug/ml	100
89) Phenanthrene	11.116	178	454080	10.670	ug/ml	99
90) Anthracene	11.169	178	465546	11.058	ug/ml	99
91) Carbazole	11.333	167	430627	11.180	ug/ml	99
92) Di-n-butylphthalate	11.727	149	527892	11.245	ug/ml	99
93) Fluoranthene	12.275	202	572546	11.751	ug/ml#	91
94) Benzidine	12.427	184	346393	12.401	ug/ml#	94
95) Pyrene	12.492	202	600708	11.676	ug/ml	100
97) Butyl benzyl phthalate	13.210	149	241983	12.120	ug/ml	94
105) Benzo(a)anthracene	13.733	228	612774	10.948	ug/ml	100
106) 3,3'-Dichlorobenzidine	13.733	252	227768	11.814	ug/ml#	96
107) Chrysene	13.774	228	562978	10.191	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.857	149	367256	11.067	ug/ml#	95
109) Di-n-octylphthalate	14.539	149	619510	11.396	ug/ml#	75
110) Benzo(b)fluoranthene	14.851	252	597526	11.693	ug/ml#	91
111) Benzo(k)fluoranthene	14.874	252	557100	11.160	ug/ml#	91
112) Benzo(a)pyrene	15.163	252	532009	11.624	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	16.210	276	537324M6	11.493	ug/mL	
115) Dibenzo(a,h)anthracene	16.233	278	495383	11.144	ug/ml#	87
116) Benzo(ghi)perylene	16.468	276	463569	10.562	ug/ml#	82

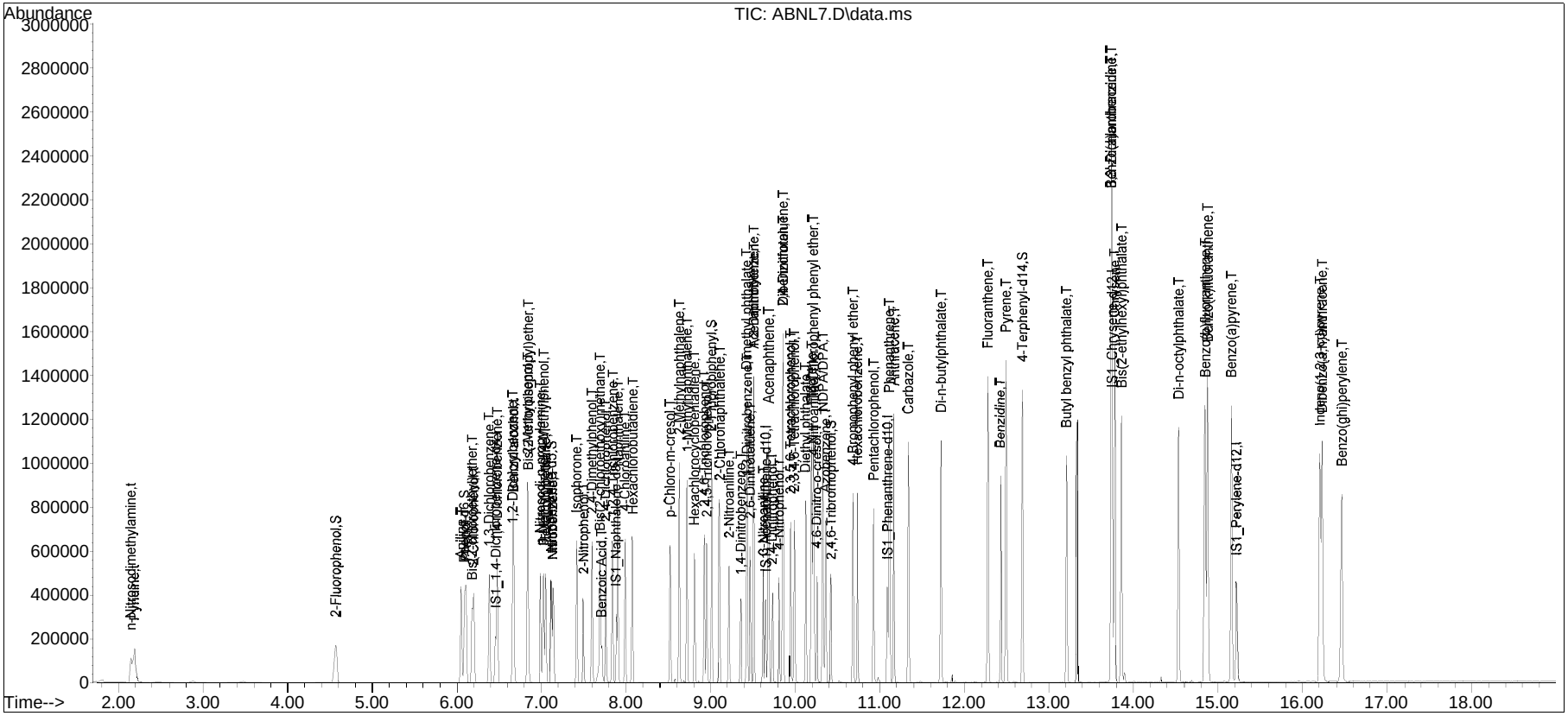
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

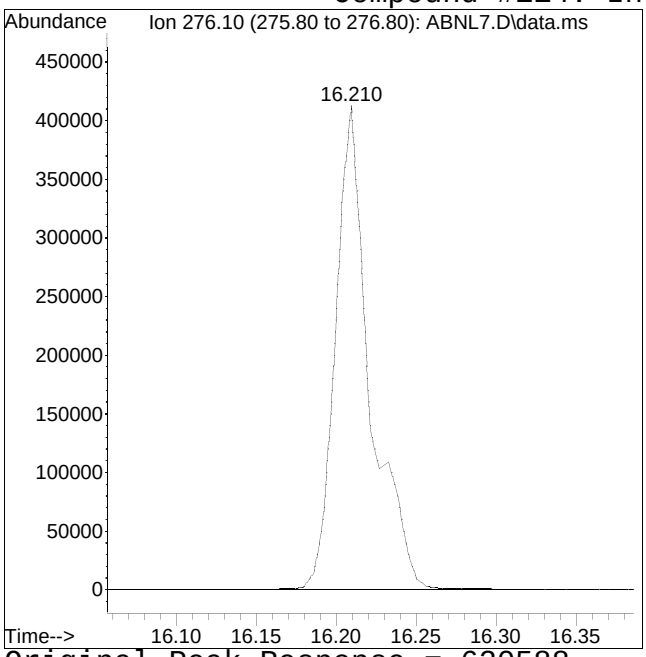
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



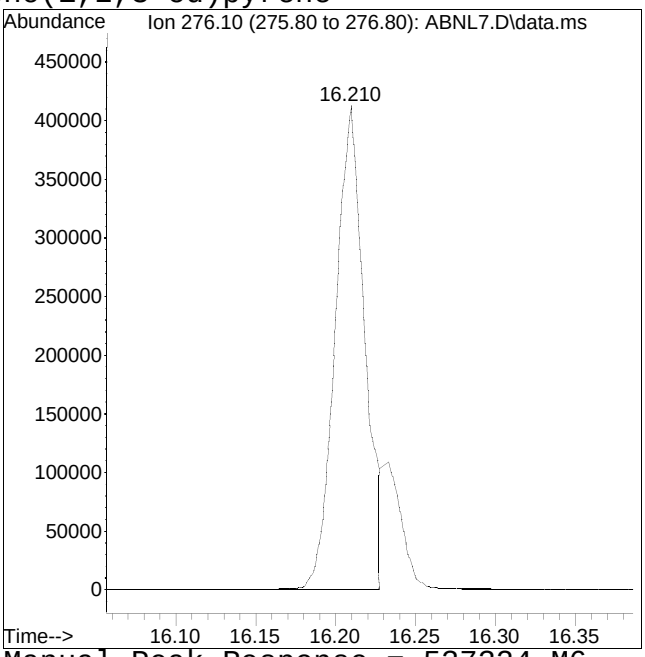
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:43 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 620588



Manual Peak Response = 537324 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	34411	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 100.00%			
35) IS1_Naphthalene-d8	7.886	136	121176	4.000	ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	9.651	164	79426	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	11.092	188	176143	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 100.00%			
104) IS1_Chrysene-d12	13.745	240	174707	4.000	ug/ml	# 0.00
Standard Area 1 = 174707			Recovery = 100.00%			
113) IS1_Perylene-d12	15.215	264	195526	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	46416	4.771	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 238.55%#			
7) Phenol-d6	6.093	99	60873	4.844	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 242.20%#			
19) Nitrobenzene-d5	7.116	82	62503	4.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 464.50%#			
46) 2-Fluorobiphenyl	9.010	172	139378	4.960	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 496.00%#			
79) 2,4,6-Tribromophenol	10.428	330	24197	5.726	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 286.30%#			
96) 4-Terphenyl-d14	12.680	244	211086	5.565	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 556.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	33390	4.921	ug/ml#	74
3) Pyridine	2.187	79	55126	5.427	ug/ml#	67
5) Aniline	6.051	93	80259	4.936	ug/ml	99
6) 2-Chlorophenol	6.198	128	49372	4.668	ug/ml	97
8) Phenol	6.104	94	64117	4.788	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	52631	4.977	ug/ml#	76
10) 1,3-Dichlorobenzene	6.387	146	60018	4.903	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	60113	4.701	ug/ml	99
12) 1,2-Dichlorobenzene	6.657	146	58576	5.018	ug/ml	99
13) Benzyl alcohol	6.669	79	49863	4.875	ug/ml	91
14) Bis(2-chloroisopropyl)...	6.845	45	83104	5.317	ug/ml#	57

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	46693	4.900	ug/ml	98
16) Hexachloroethane	7.051	117	23284	4.466	ug/ml#	49
17) n-Nitrosodi-n-propylamine	6.992	70	42735	4.802	ug/ml#	91
18) 3-Methylphenol/4-Methy...	7.022	108	49775	4.806	ug/ml	99
20) Nitrobenzene	7.134	77	62771	4.848	ug/ml	92
21) Isophorone	7.416	82	111710	4.863	ug/ml	94
22) 2-Nitrophenol	7.498	139	27744	5.182	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	51002	4.702	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.687	93	69008	4.789	ug/ml	98
25) 2,4-Dichlorophenol	7.763	162	49224	4.979	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.839	180	56472	4.677	ug/ml	97
36) Naphthalene	7.910	128	152912	4.733	ug/ml	99
37) Benzoic Acid	7.687	105	39124	4.912	ug/ml	95
38) 4-Chloroaniline	7.992	65	23934	4.941	ug/ml	88
39) Hexachlorobutadiene	8.081	225	39649	4.759	ug/ml	99
40) p-Chloro-m-cresol	8.516	107	48736	4.922	ug/ml	95
41) 2-Methylnaphthalene	8.628	142	104599	4.860	ug/ml	93
42) 1-Methylnaphthalene	8.722	115	40244	4.472	ug/ml	80
43) Hexachlorocyclopentadiene	8.804	237	47070	5.691	ug/ml	97
44) 2,4,6-Trichlorophenol	8.928	196	42928	5.335	ug/ml	99
45) 2,4,5-Trichlorophenol	8.957	196	47052	5.369	ug/ml	95
47) 2-Chloronaphthalene	9.104	162	111763	4.966	ug/ml	97
48) 2-Nitroaniline	9.222	138	35258	5.410	ug/ml	99
49) 1,4-Dinitrobenzene	9.357	168	18490	5.356	ug/ml	91
50) 1,3-Dinitrobenzene	9.428	168	21627	5.479	ug/ml#	1
51) Dimethyl phthalate	9.428	163	139733	4.698	ug/ml#	98
52) Acenaphthylene	9.510	152	177144	5.061	ug/ml	99
53) 2,6-Dinitrotoluene	9.469	165	31275	5.235	ug/ml	87
54) 1,2-Dinitrobenzene	9.510	168	13415	5.710	ug/ml#	1
64) 3-Nitroaniline	9.622	138	31539	5.424	ug/ml	91
65) Acenaphthene	9.686	154	103447	5.260	ug/ml	91
66) 2,4-Dinitrophenol	9.728	184	21336	5.784	ug/ml#	88
67) Dibenzofuran	9.857	168	172560	5.011	ug/ml	96
68) 2,4-Dinitrotoluene	9.857	165	45671	5.774	ug/ml	94
69) 4-Nitrophenol	9.810	65	30284	4.854	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	9.945	232	43397	6.198	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	9.986	232	42811	6.228	ug/ml	98
72) Diethyl phthalate	10.122	149	138908	4.847	ug/ml	99
73) Fluorene	10.186	166	138840	5.132	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.210	204	69797	4.904	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.216	138	30722	5.394	ug/ml#	89
76)	4,6-Dinitro-o-cresol	10.251	198	27648	6.204	ug/ml#	65
77)	NDPA/DPA	10.322	169	118352	5.312	ug/ml	97
78)	Azobenzene	10.357	77	133021	4.686	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.680	248	44876	5.292	ug/ml#	83
81)	Hexachlorobenzene	10.733	284	50132	5.106	ug/ml#	81
82)	Pentachlorophenol	10.927	266	36832	6.438	ug/ml	98
89)	Phenanthrene	11.116	178	217401	4.999	ug/ml	99
90)	Anthracene	11.169	178	224653	5.222	ug/ml	99
91)	Carbazole	11.333	167	203798	5.178	ug/ml	99
92)	Di-n-butylphthalate	11.727	149	247507	5.159	ug/ml	100
93)	Fluoranthene	12.274	202	271130	5.446	ug/ml#	90
94)	Benzidine	12.427	184	161558	5.660	ug/ml#	94
95)	Pyrene	12.492	202	286461	5.449	ug/ml	99
97)	Butyl benzyl phthalate	13.210	149	110253	5.404	ug/ml	96
105)	Benzo(a)anthracene	13.733	228	285698	5.055	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.733	252	106752	5.484	ug/ml#	95
107)	Chrysene	13.768	228	274645	4.924	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	173922	5.191	ug/ml#	94
109)	Di-n-octylphthalate	14.533	149	283349	5.162	ug/ml#	75
110)	Benzo(b)fluoranthene	14.845	252	269679	5.226	ug/ml#	92
111)	Benzo(k)fluoranthene	14.874	252	277054	5.497	ug/ml#	92
112)	Benzo(a)pyrene	15.163	252	253581	5.487	ug/ml#	90
114)	Indeno(1,2,3-cd)pyrene	16.204	276	254150M6	5.290	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	244207	5.346	ug/ml#	87
116)	Benzo(ghi)perylene	16.462	276	229314	5.084	ug/ml#	82

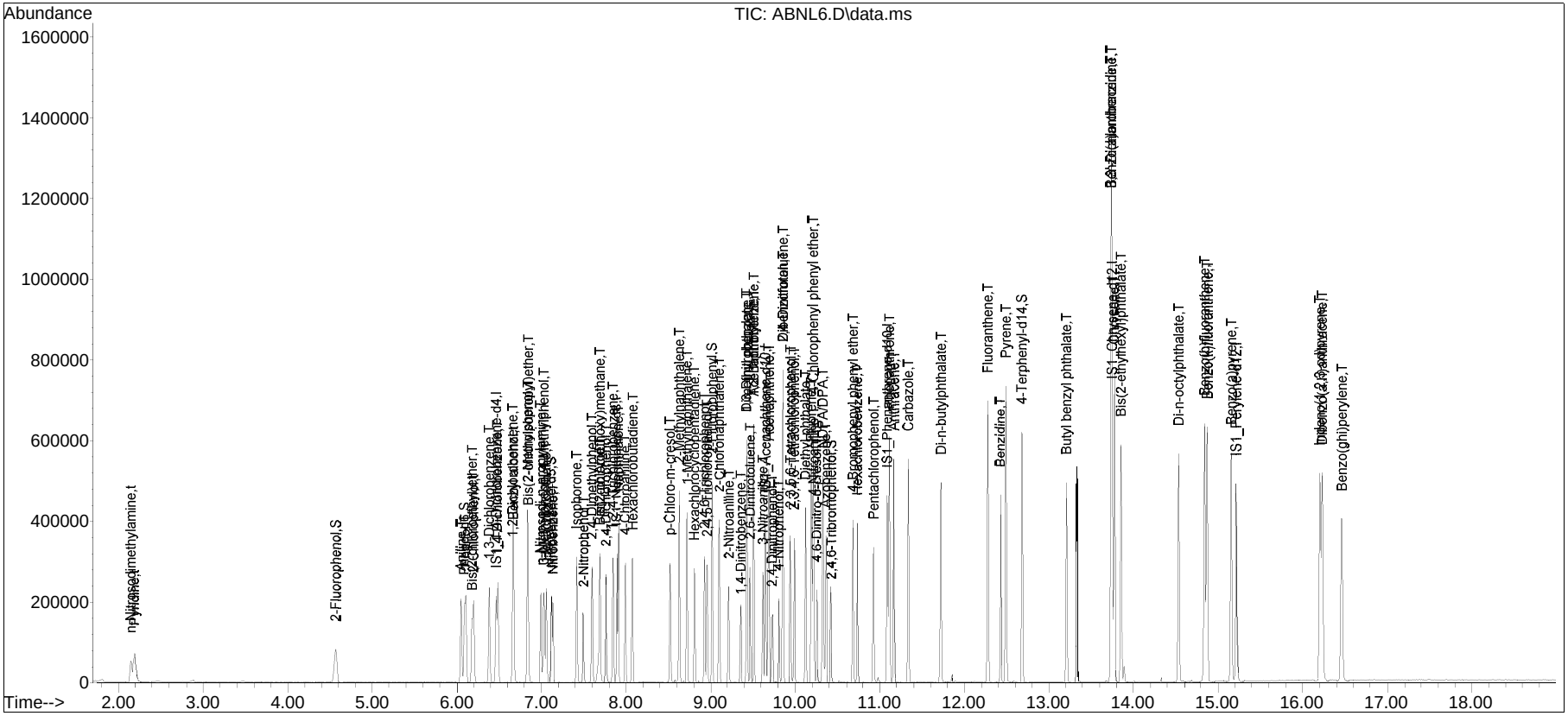
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

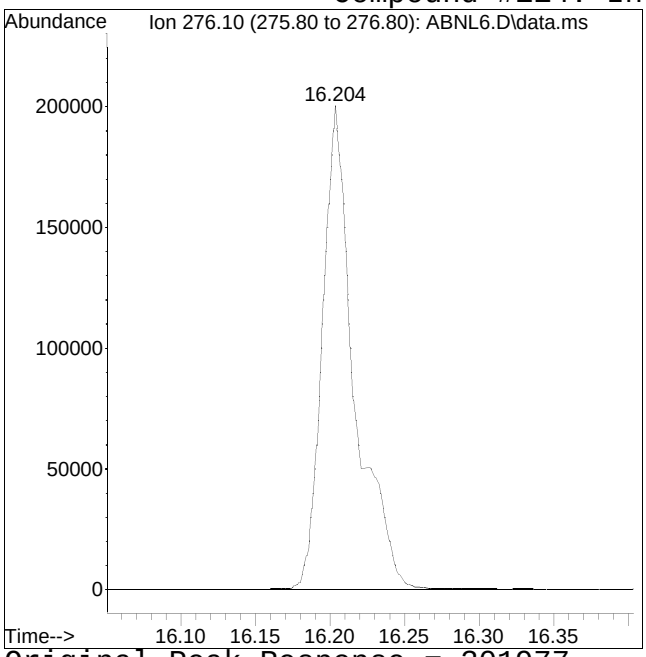
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



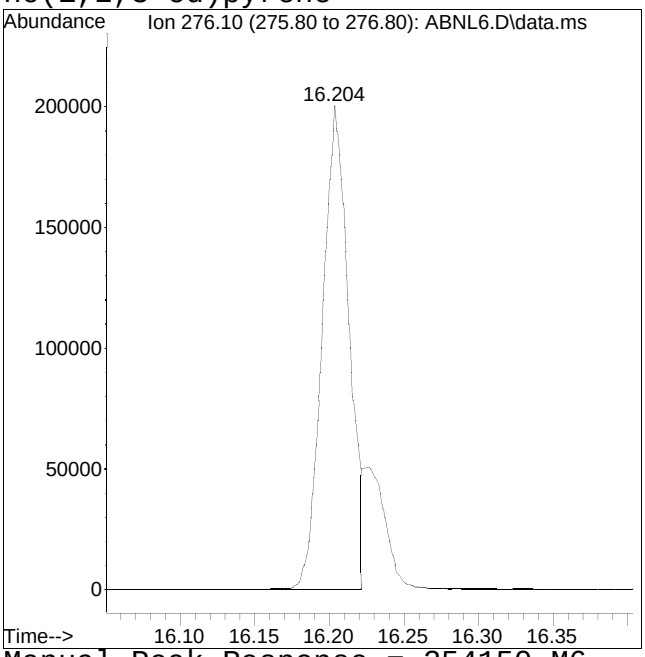
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:07 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 301977



Manual Peak Response = 254150 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	34165	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 99.29%			
35) IS1_Naphthalene-d8	7.886	136	121152	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 99.98%			
63) IS1_Acenaphthene-d10	9.651	164	78435	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 98.75%			
88) IS1_Phenanthrene-d10	11.092	188	181142	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 102.84%			
104) IS1_Chrysene-d12	13.745	240	180502	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 103.32%			
113) IS1_Perylene-d12	15.215	264	197954	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 101.24%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	22732	2.353	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 117.65%#			
7) Phenol-d6	6.092	99	31025	2.486	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 124.30%#			
19) Nitrobenzene-d5	7.116	82	31078	2.326	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 232.60%#			
46) 2-Fluorobiphenyl	9.010	172	73907	2.631	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 263.10%#			
79) 2,4,6-Tribromophenol	10.422	330	11988	2.873	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 143.65%#			
96) 4-Terphenyl-d14	12.680	244	110752	2.839	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 283.90%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	16530	2.454	ug/ml#	73
3) Pyridine	2.193	79	27593	2.736	ug/ml#	68
5) Aniline	6.051	93	40608	2.516	ug/ml	100
6) 2-Chlorophenol	6.198	128	25772	2.454	ug/ml	98
8) Phenol	6.104	94	32514	2.446	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	26824	2.555	ug/ml#	71
10) 1,3-Dichlorobenzene	6.387	146	31266	2.573	ug/ml	98
11) 1,4-Dichlorobenzene	6.481	146	30948	2.438	ug/ml	98
12) 1,2-Dichlorobenzene	6.657	146	29829	2.574	ug/ml	98
13) Benzyl alcohol	6.669	79	25253	2.487	ug/ml	90
14) Bis(2-chloroisopropyl)...	6.845	45	43021	2.772	ug/ml#	58

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	23701	2.505	ug/ml	98
16) Hexachloroethane	7.051	117	11929	2.305	ug/ml#	47
17) n-Nitrosodi-n-propylamine	6.992	70	21864	2.475	ug/ml#	87
18) 3-Methylphenol/4-Methy...	7.028	108	24874	2.419	ug/ml#	94
20) Nitrobenzene	7.139	77	31837	2.477	ug/ml	92
21) Isophorone	7.416	82	56332	2.470	ug/ml	93
22) 2-Nitrophenol	7.498	139	14092	2.651	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	25723	2.389	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.686	93	34818	2.434	ug/ml	99
25) 2,4-Dichlorophenol	7.763	162	24809	2.528	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.839	180	29209	2.436	ug/ml	97
36) Naphthalene	7.910	128	79805	2.471	ug/ml	99
37) Benzoic Acid	7.669	105	17182	2.297	ug/ml	95
38) 4-Chloroaniline	7.992	65	12394	2.559	ug/ml	84
39) Hexachlorobutadiene	8.081	225	20530	2.465	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	24529	2.478	ug/ml	96
41) 2-Methylnaphthalene	8.628	142	55092	2.560	ug/ml	97
42) 1-Methylnaphthalene	8.722	115	20578	2.287	ug/ml	79
43) Hexachlorocyclopentadiene	8.804	237	23851	2.884	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	22303	2.772	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	24004	2.739	ug/ml	95
47) 2-Chloronaphthalene	9.104	162	57615	2.560	ug/ml	96
48) 2-Nitroaniline	9.222	138	17382	2.667	ug/ml	99
49) 1,4-Dinitrobenzene	9.351	168	9137	2.647	ug/ml	94
50) 1,3-Dinitrobenzene	9.428	168	10499	2.661	ug/ml#	1
51) Dimethyl phthalate	9.428	163	71248	2.396	ug/ml	97
52) Acenaphthylene	9.510	152	89245	2.550	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	15889	2.660	ug/ml	87
54) 1,2-Dinitrobenzene	9.510	168	6478	2.758	ug/ml#	1
64) 3-Nitroaniline	9.622	138	15521	2.703	ug/ml	90
65) Acenaphthene	9.686	154	53091	2.733	ug/ml	93
66) 2,4-Dinitrophenol	9.728	184	9149	2.701	ug/ml	92
67) Dibenzofuran	9.857	168	88957	2.616	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	21597	2.765	ug/ml	93
69) 4-Nitrophenol	9.810	65	15513	2.518	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	9.945	232	22373	3.236	ug/ml	96
71) 2,3,4,6-Tetrachlorophenol	9.986	232	21822	3.215	ug/ml	98
72) Diethyl phthalate	10.122	149	72940	2.578	ug/ml	97
73) Fluorene	10.186	166	70032	2.621	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	37527	2.670	ug/ml#	88

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.210	138	16748	2.978	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	13444	3.055	ug/ml	#	66
77)	NDPA/DPA	10.322	169	59164	2.689	ug/ml		97
78)	Azobenzene	10.357	77	66922	2.387	ug/ml		95
80)	4-Bromophenyl phenyl e...	10.680	248	23158	2.765	ug/ml	#	83
81)	Hexachlorobenzene	10.733	284	26093	2.691	ug/ml	#	80
82)	Pentachlorophenol	10.927	266	17699	3.133	ug/ml		99
89)	Phenanthrene	11.116	178	111757	2.499	ug/ml		99
90)	Anthracene	11.163	178	113025	2.555	ug/ml		99
91)	Carbazole	11.333	167	104159	2.573	ug/ml		98
92)	Di-n-butylphthalate	11.727	149	127043	2.575	ug/ml		99
93)	Fluoranthene	12.274	202	138839	2.712	ug/ml	#	92
94)	Benzidine	12.427	184	80269	2.735	ug/ml	#	95
95)	Pyrene	12.492	202	146929	2.718	ug/ml		100
97)	Butyl benzyl phthalate	13.210	149	56984	2.716	ug/ml		95
105)	Benzo(a)anthracene	13.733	228	152051	2.604	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.733	252	52387	2.605	ug/ml	#	95
107)	Chrysene	13.768	228	146202	2.537	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	90089	2.602	ug/ml		95
109)	Di-n-octylphthalate	14.533	149	146591	2.585	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.845	252	146018	2.739	ug/ml	#	92
111)	Benzo(k)fluoranthene	14.868	252	139804	2.685	ug/ml	#	91
112)	Benzo(a)pyrene	15.157	252	127828	2.677	ug/ml	#	90
114)	Indeno(1,2,3-cd)pyrene	16.204	276	133184M6	2.738	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	126489	2.735	ug/ml	#	87
116)	Benzo(ghi)perylene	16.456	276	121194	2.654	ug/ml	#	82

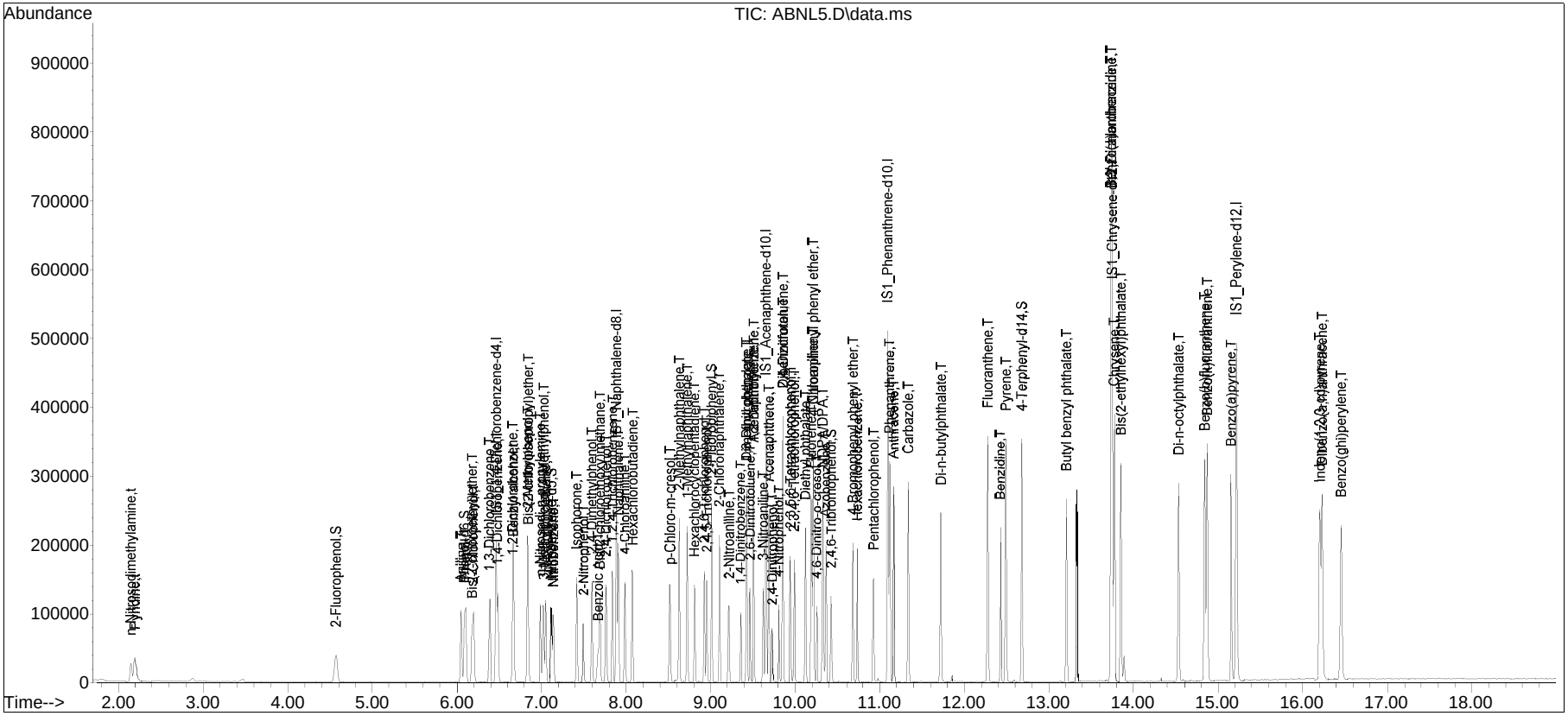
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

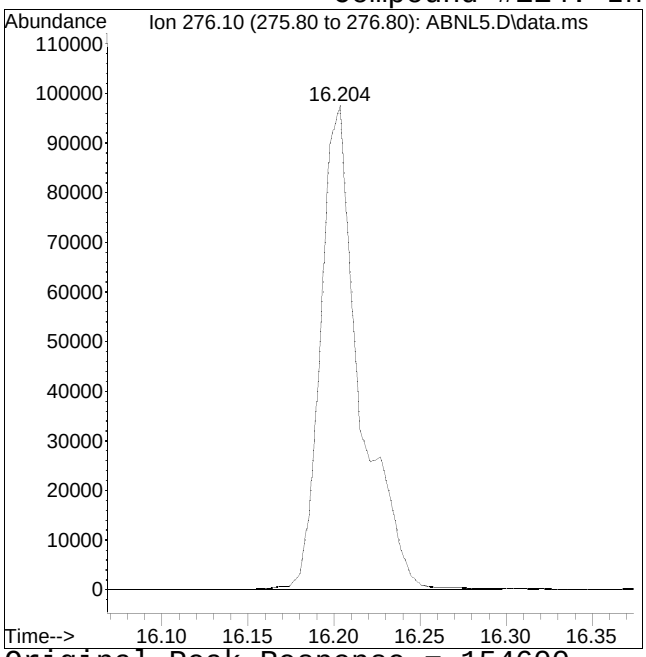
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



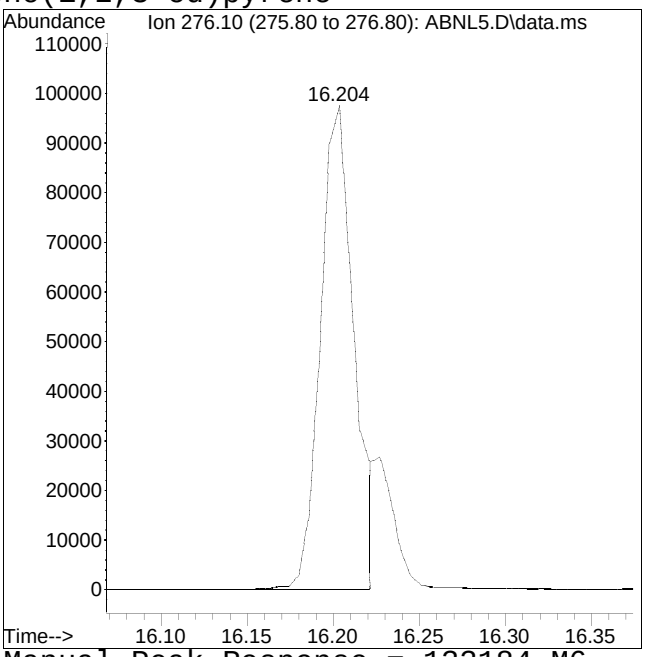
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:31 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 154600



Manual Peak Response = 133184 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	33252	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 96.63%			
35) IS1_Naphthalene-d8	7.886	136	119186	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 98.36%			
63) IS1_Acenaphthene-d10	9.651	164	75761	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.39%			
88) IS1_Phenanthrene-d10	11.092	188	166179	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 94.34%			
104) IS1_Chrysene-d12	13.739	240	173865	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 99.52%			
113) IS1_Perylene-d12	15.215	264	197182	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 100.85%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	9505	1.011	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.55%			
7) Phenol-d6	6.092	99	12748	1.050	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.50%			
19) Nitrobenzene-d5	7.116	82	12826	0.986	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 98.60%			
46) 2-Fluorobiphenyl	9.010	172	28908	1.046	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 104.60%			
79) 2,4,6-Tribromophenol	10.422	330	4791	1.189	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.45%			
96) 4-Terphenyl-d14	12.680	244	44844	1.253	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 125.30%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.157	74	7093	1.082	ug/ml#	72
3) Pyridine	2.210	79	11353	1.157	ug/ml#	66
5) Aniline	6.051	93	16121	1.026	ug/ml	97
6) 2-Chlorophenol	6.198	128	10307	1.008	ug/ml	99
8) Phenol	6.104	94	14037	1.085	ug/ml	96
9) Bis(2-chloroethyl)ether	6.181	93	10847	1.062	ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	12342	1.043	ug/ml	94
11) 1,4-Dichlorobenzene	6.481	146	12924	1.046	ug/ml	98
12) 1,2-Dichlorobenzene	6.663	146	12347	1.095	ug/ml	99
13) Benzyl alcohol	6.669	79	9873	0.999	ug/ml	93
14) Bis(2-chloroisopropyl)...	6.845	45	17236	1.141	ug/ml#	60

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	9758	1.060	ug/ml	98
16) Hexachloroethane	7.051	117	4997	0.992	ug/ml#	37
17) n-Nitrosodi-n-propylamine	6.992	70	8932	1.039	ug/ml#	87
18) 3-Methylphenol/4-Methy...	7.022	108	10370	1.036	ug/ml	97
20) Nitrobenzene	7.139	77	13642	1.090	ug/ml#	88
21) Isophorone	7.416	82	22645	1.020	ug/ml	94
22) 2-Nitrophenol	7.498	139	5278	1.020	ug/ml#	89
23) 2,4-Dimethylphenol	7.598	107	10461	0.998	ug/ml	94
24) Bis(2-chloroethoxy)met...	7.686	93	13928	1.000	ug/ml#	96
25) 2,4-Dichlorophenol	7.763	162	9935	1.040	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.839	180	12012	1.029	ug/ml	98
36) Naphthalene	7.910	128	32375	1.019	ug/ml	99
37) Benzoic Acid	7.657	105	4874	0.825	ug/ml	94
38) 4-Chloroaniline	7.986	65	4591	0.964	ug/ml	96
39) Hexachlorobutadiene	8.081	225	8062	0.984	ug/ml	95
40) p-Chloro-m-cresol	8.516	107	9616	0.987	ug/ml	98
41) 2-Methylnaphthalene	8.628	142	22268	1.052	ug/ml	95
42) 1-Methylnaphthalene	8.722	115	8612	0.973	ug/ml	78
43) Hexachlorocyclopentadiene	8.804	237	10048	1.235	ug/ml	98
44) 2,4,6-Trichlorophenol	8.928	196	8325	1.052	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	9193	1.066	ug/ml	94
47) 2-Chloronaphthalene	9.104	162	23370	1.056	ug/ml	93
48) 2-Nitroaniline	9.222	138	6702	1.045	ug/ml	94
49) 1,4-Dinitrobenzene	9.351	168	3764	1.109	ug/ml	89
50) 1,3-Dinitrobenzene	9.428	168	4327	1.115	ug/ml#	1
51) Dimethyl phthalate	9.428	163	27563	0.942	ug/ml#	98
52) Acenaphthylene	9.510	152	35549	1.033	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	6019	1.024	ug/ml	89
54) 1,2-Dinitrobenzene	9.510	168	2615	1.132	ug/ml#	1
64) 3-Nitroaniline	9.622	138	6050	1.091	ug/ml	86
65) Acenaphthene	9.686	154	20952	1.117	ug/ml	88
66) 2,4-Dinitrophenol	9.727	184	3177	1.186	ug/ml	95
67) Dibenzofuran	9.857	168	36089	1.099	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	8563	1.135	ug/ml	92
69) 4-Nitrophenol	9.810	65	6170	1.037	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	9.945	232	8394	1.257	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	9.986	232	8059	1.229	ug/ml	98
72) Diethyl phthalate	10.122	149	27754	1.015	ug/ml	96
73) Fluorene	10.192	166	28173	1.092	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	14281	1.052	ug/ml	89

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.210	138	6596	1.214	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	5104	1.201	ug/ml	#	68
77)	NDPA/DPA	10.322	169	24066	1.132	ug/ml		98
78)	Azobenzene	10.357	77	26637	0.984	ug/ml		96
80)	4-Bromophenyl phenyl e...	10.680	248	9267	1.146	ug/ml	#	84
81)	Hexachlorobenzene	10.733	284	10567	1.128	ug/ml	#	82
82)	Pentachlorophenol	10.927	266	6127	1.123	ug/ml		90
89)	Phenanthrene	11.116	178	46605	1.136	ug/ml		98
90)	Anthracene	11.163	178	45055	1.110	ug/ml		100
91)	Carbazole	11.333	167	42319	1.140	ug/ml		99
92)	Di-n-butylphthalate	11.721	149	47196	1.043	ug/ml		99
93)	Fluoranthene	12.274	202	55429	1.180	ug/ml	#	90
94)	Benzidine	12.427	184	30613	1.137	ug/ml	#	93
95)	Pyrene	12.492	202	58429	1.178	ug/ml		98
97)	Butyl benzyl phthalate	13.210	149	21998	1.143	ug/ml		94
105)	Benzo(a)anthracene	13.733	228	61253	1.089	ug/ml		98
106)	3,3'-Dichlorobenzidine	13.733	252	19850	1.025	ug/ml	#	95
107)	Chrysene	13.768	228	59264	1.068	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.851	149	32891	0.986	ug/ml	#	94
109)	Di-n-octylphthalate	14.533	149	53959	0.988	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.845	252	60994	1.188	ug/ml	#	92
111)	Benzo(k)fluoranthene	14.868	252	57734	1.151	ug/ml	#	92
112)	Benzo(a)pyrene	15.157	252	51841	1.127	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.204	276	54265M6	1.120	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	52016	1.129	ug/ml	#	86
116)	Benzo(ghi)perylene	16.456	276	49379	1.086	ug/ml	#	83

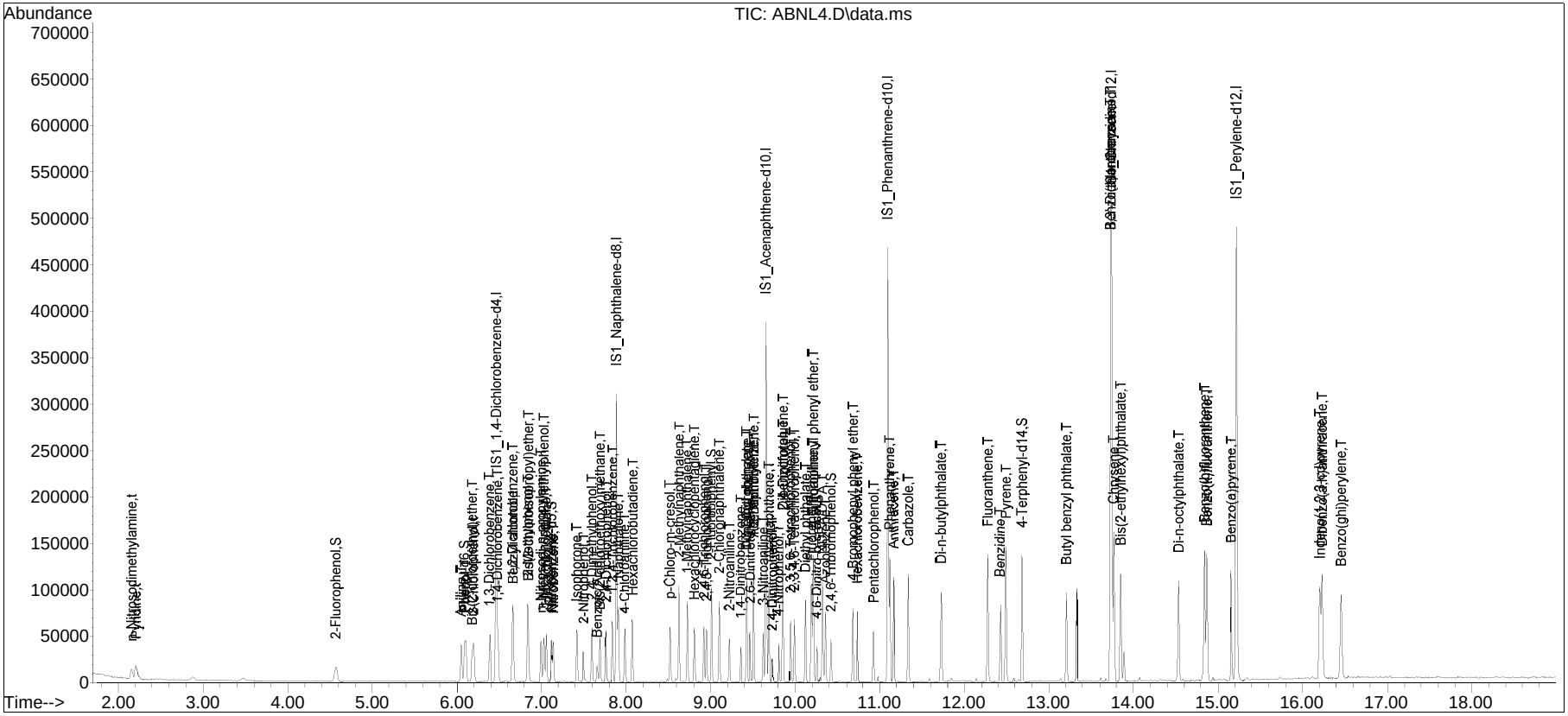
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

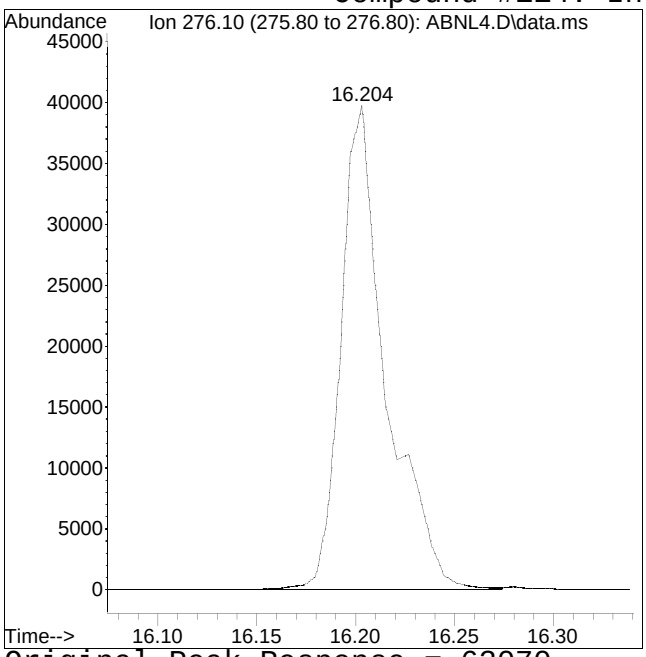
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



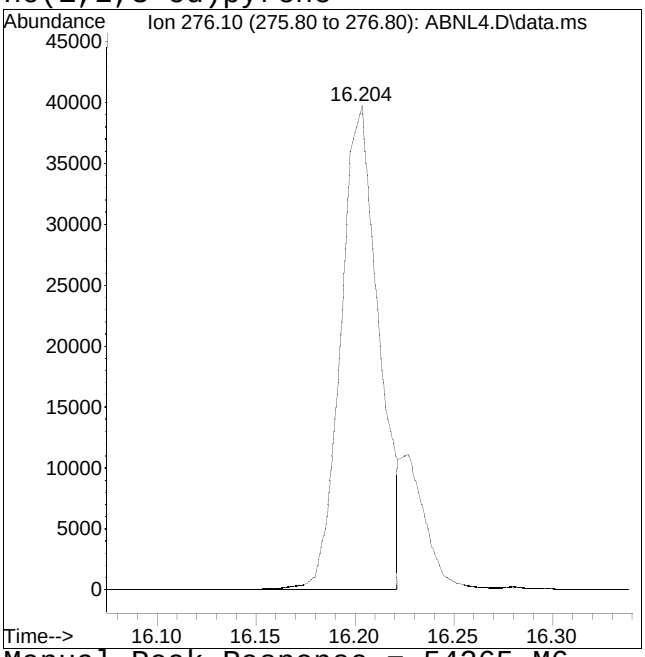
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL4.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:54 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 63070



Manual Peak Response = 54265 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	32391	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 94.13%			
35) IS1_Naphthalene-d8	7.886	136	113586	4.000	ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 93.74%			
63) IS1_Acenaphthene-d10	9.651	164	72453	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 91.22%			
88) IS1_Phenanthrene-d10	11.092	188	159947	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 90.81%			
104) IS1_Chrysene-d12	13.739	240	165980	4.000	ug/ml	# 0.00
Standard Area 1 = 174707			Recovery = 95.00%			
113) IS1_Perylene-d12	15.215	264	186363	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 95.31%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.575	112	4629	0.505	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.25%			
7) Phenol-d6	6.092	99	6559	0.554	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.70%			
19) Nitrobenzene-d5	7.116	82	7068	0.558	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.80%			
46) 2-Fluorobiphenyl	9.010	172	15156	0.575	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.50%			
79) 2,4,6-Tribromophenol	10.422	330	2101	0.545	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.25%			
96) 4-Terphenyl-d14	12.680	244	21790	0.633	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.30%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.157	74	3457	0.541	ug/ml#	69
3) Pyridine	2.210	79	5488	0.574	ug/ml#	74
5) Aniline	6.051	93	8064	0.527	ug/ml	98
6) 2-Chlorophenol	6.198	128	5633	0.566	ug/ml	95
8) Phenol	6.104	94	6512	0.517	ug/ml#	87
9) Bis(2-chloroethyl)ether	6.187	93	5827	0.585	ug/ml#	79
10) 1,3-Dichlorobenzene	6.387	146	6223	0.540	ug/ml	96
11) 1,4-Dichlorobenzene	6.481	146	6794	0.564	ug/ml	92
12) 1,2-Dichlorobenzene	6.663	146	6532	0.595	ug/ml	98
13) Benzyl alcohol	6.669	79	5006	0.520	ug/ml	95
14) Bis(2-chloroisopropyl)...	6.845	45	9139	0.621	ug/ml#	58

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	5000	0.557	ug/ml	98
16) Hexachloroethane	7.051	117	2693	0.549	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.992	70	4078	0.487	ug/ml#	85
18) 3-Methylphenol/4-Methy...	7.028	108	5313	0.545	ug/ml	94
20) Nitrobenzene	7.139	77	6525	0.535	ug/ml#	88
21) Isophorone	7.422	82	10954	0.507	ug/ml	94
22) 2-Nitrophenol	7.498	139	2652	0.526	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	4966	0.486	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.686	93	7556	0.557	ug/ml#	96
25) 2,4-Dichlorophenol	7.763	162	4778	0.513	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.839	180	6565	0.578	ug/ml	96
36) Naphthalene	7.910	128	17639	0.583	ug/ml	98
37) Benzoic Acid	7.651	105	1855	0.465	ug/ml#	86
38) 4-Chloroaniline	7.992	65	2373	0.523	ug/ml	92
39) Hexachlorobutadiene	8.081	225	4619	0.591	ug/ml	95
40) p-Chloro-m-cresol	8.516	107	4568	0.492	ug/ml	97
41) 2-Methylnaphthalene	8.628	142	10991	0.545	ug/ml#	92
42) 1-Methylnaphthalene	8.722	115	4410	0.523	ug/ml	74
43) Hexachlorocyclopentadiene	8.810	237	4441	0.573	ug/ml#	90
44) 2,4,6-Trichlorophenol	8.928	196	4214	0.559	ug/ml	94
45) 2,4,5-Trichlorophenol	8.957	196	4787	0.583	ug/ml	96
47) 2-Chloronaphthalene	9.104	162	11776	0.558	ug/ml	99
48) 2-Nitroaniline	9.222	138	3369	0.551	ug/ml	93
49) 1,4-Dinitrobenzene	9.351	168	1818	0.562	ug/ml	91
50) 1,3-Dinitrobenzene	9.428	168	1997	0.540	ug/ml#	1
51) Dimethyl phthalate	9.428	163	14729	0.528	ug/ml	99
52) Acenaphthylene	9.510	152	18626	0.568	ug/ml	98
53) 2,6-Dinitrotoluene	9.469	165	2872	0.513	ug/ml	91
54) 1,2-Dinitrobenzene	9.510	168	1334	0.606	ug/ml#	1
64) 3-Nitroaniline	9.622	138	2948	0.556	ug/ml#	80
65) Acenaphthene	9.686	154	10908	0.608	ug/ml	92
66) 2,4-Dinitrophenol	9.727	184	1578	0.777	ug/ml#	78
67) Dibenzofuran	9.857	168	17986	0.573	ug/ml	97
68) 2,4-Dinitrotoluene	9.857	165	4169	0.578	ug/ml	95
69) 4-Nitrophenol	9.810	65	2994	0.526	ug/ml	87
70) 2,3,5,6-Tetrachlorophenol	9.945	232	4162	0.652	ug/ml	94
71) 2,3,4,6-Tetrachlorophenol	9.986	232	4066	0.648	ug/ml	98
72) Diethyl phthalate	10.122	149	14511	0.555	ug/ml	98
73) Fluorene	10.186	166	14234	0.577	ug/ml	98
74) 4-Chlorophenyl phenyl ...	10.210	204	8032	0.619	ug/ml#	84

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.210	138	3375	0.650	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	2290	0.563	ug/ml	#	60
77)	NDPA/DPA	10.322	169	11420	0.562	ug/ml	#	93
78)	Azobenzene	10.357	77	13064	0.504	ug/ml		95
80)	4-Bromophenyl phenyl e...	10.680	248	4283	0.554	ug/ml	#	85
81)	Hexachlorobenzene	10.733	284	5638	0.630	ug/ml	#	82
82)	Pentachlorophenol	10.927	266	2716	0.520	ug/ml		96
89)	Phenanthrene	11.116	178	22912	0.580	ug/ml		98
90)	Anthracene	11.163	178	23000	0.589	ug/ml		97
91)	Carbazole	11.333	167	20524	0.574	ug/ml		100
92)	Di-n-butylphthalate	11.721	149	23542	0.540	ug/ml		99
93)	Fluoranthene	12.274	202	27289	0.604	ug/ml	#	92
94)	Benzidine	12.427	184	15029	0.580	ug/ml	#	96
95)	Pyrene	12.492	202	29403	0.616	ug/ml		99
97)	Butyl benzyl phthalate	13.210	149	10165	0.549	ug/ml	#	98
105)	Benzo(a)anthracene	13.733	228	31479	0.586	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.733	252	9210	0.498	ug/ml		98
107)	Chrysene	13.768	228	30717	0.580	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	15961	0.501	ug/ml	#	93
109)	Di-n-octylphthalate	14.533	149	26660	0.511	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.839	252	31884	0.650	ug/ml	#	93
111)	Benzo(k)fluoranthene	14.868	252	28603	0.597	ug/ml	#	90
112)	Benzo(a)pyrene	15.157	252	26611	0.606	ug/ml	#	93
114)	Indeno(1,2,3-cd)pyrene	16.204	276	26167M6	0.571	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	24873	0.571	ug/ml	#	88
116)	Benzo(ghi)perylene	16.456	276	24280M1	0.565	ug/ml		

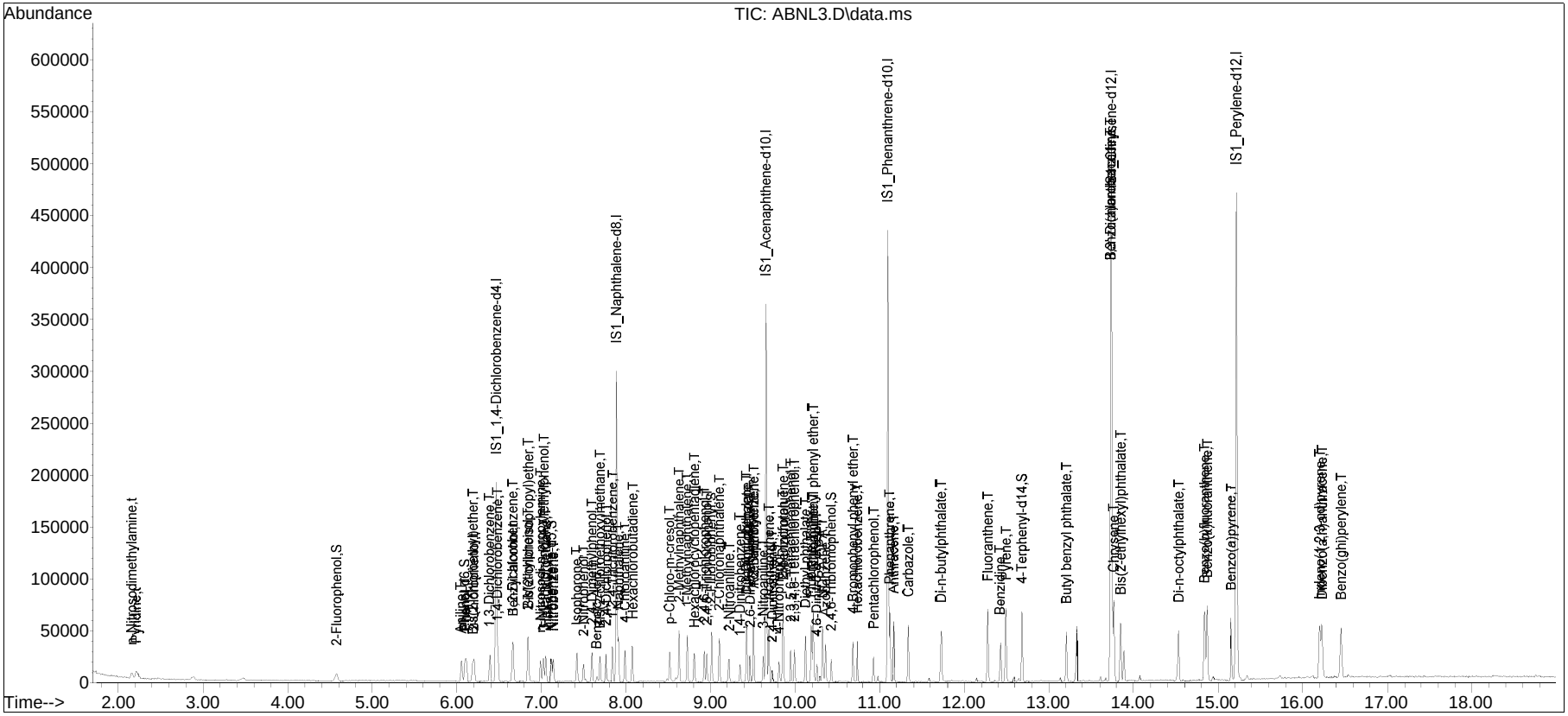
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

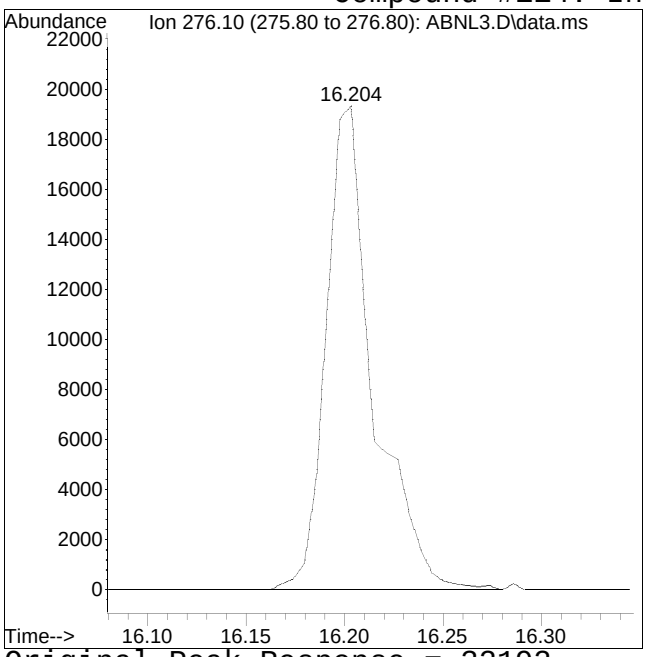
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



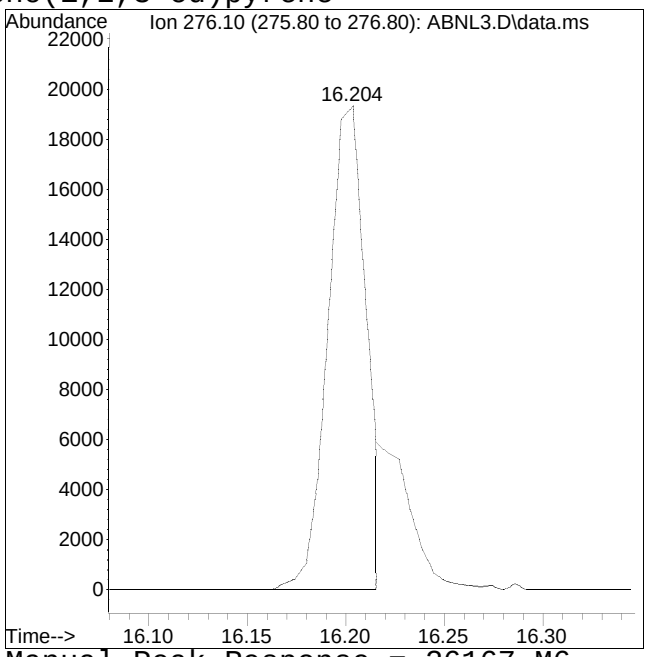
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:18 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/25/2024 5:33 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 32192



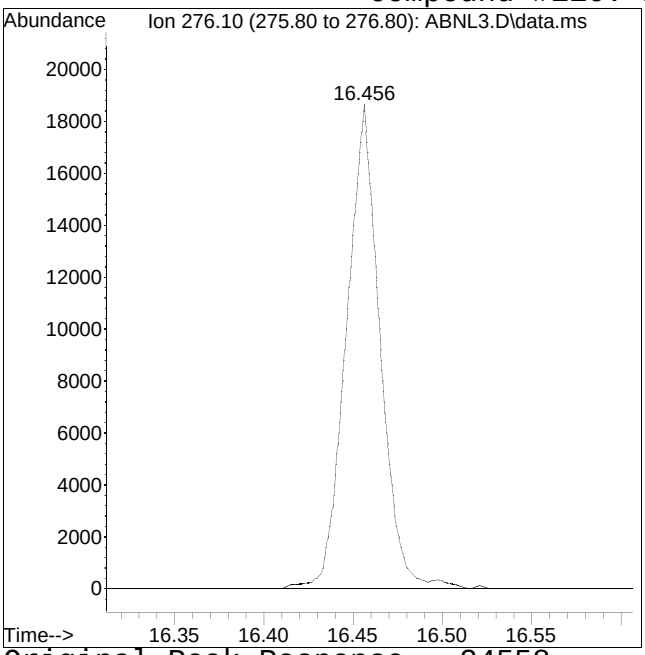
Manual Peak Response = 26167 M6

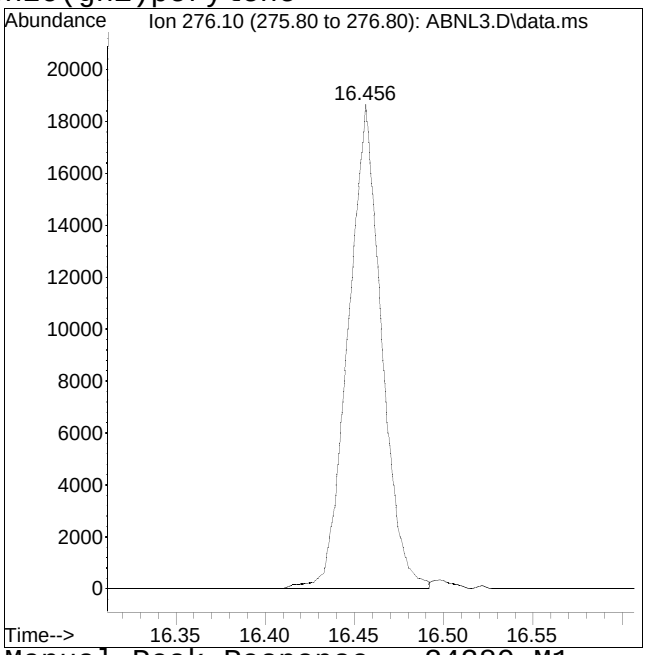
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:18 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/25/2024 5:33 am

Compound #116: Benzo(ghi)perylene





Original Peak Response = 24558 Manual Peak Response = 24280 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.463	152	32157	4.000 ug/ml	0.00
Standard Area 1 = 34411			Recovery = 93.45%		
35) IS1_Naphthalene-d8	7.886	136	111078	4.000 ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 91.67%		
63) IS1_Acenaphthene-d10	9.651	164	71285	4.000 ug/ml	0.00
Standard Area 1 = 79426			Recovery = 89.75%		
88) IS1_Phenanthrene-d10	11.092	188	160145	4.000 ug/ml	0.00
Standard Area 1 = 176143			Recovery = 90.92%		
104) IS1_Chrysene-d12	13.745	240	163949	4.000 ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 93.84%		
113) IS1_Perylene-d12	15.215	264	181432	4.000 ug/ml	0.00
Standard Area 1 = 195526			Recovery = 92.79%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.581	112	2228	0.245 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.25%#		
7) Phenol-d6	6.092	99	2724	0.232 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.60%#		
19) Nitrobenzene-d5	7.116	82	2797	0.222 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.20%#		
46) 2-Fluorobiphenyl	9.010	172	6598	0.256 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.60%#		
79) 2,4,6-Tribromophenol	10.422	330	956	0.252 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.60%#		
96) 4-Terphenyl-d14	12.680	244	10033	0.291 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 29.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.163	74	1537	0.242 ug/ml#	80
3) Pyridine	2.222	79	2501	0.263 ug/ml#	60
5) Aniline	6.057	93	3642	0.240 ug/ml	97
6) 2-Chlorophenol	6.198	128	2335	0.236 ug/ml	99
8) Phenol	6.110	94	2795	0.223 ug/ml#	88
9) Bis(2-chloroethyl)ether	6.186	93	2430	0.246 ug/ml#	76
10) 1,3-Dichlorobenzene	6.386	146	2991	0.261 ug/ml	97
11) 1,4-Dichlorobenzene	6.481	146	2633M3	0.220 ug/ml	
12) 1,2-Dichlorobenzene	6.663	146	2723	0.250 ug/ml	92
13) Benzyl alcohol	6.669	79	2304	0.241 ug/ml#	89
14) Bis(2-chloroisopropyl)...	6.845	45	4104	0.281 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	2042	0.229	ug/ml#	96
16) Hexachloroethane	7.051	117	1192	0.245	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.998	70	1776	0.214	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.028	108	2355	0.243	ug/ml#	91
20) Nitrobenzene	7.139	77	2854	0.236	ug/ml#	86
21) Isophorone	7.422	82	4478	0.209	ug/ml#	91
22) 2-Nitrophenol	7.498	139	1296	0.259	ug/ml#	88
23) 2,4-Dimethylphenol	7.598	107	2165	0.214	ug/ml	90
24) Bis(2-chloroethoxy)met...	7.692	93	3272	0.243	ug/ml#	91
25) 2,4-Dichlorophenol	7.763	162	2108	0.228	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.845	180	2635	0.234	ug/ml	89
36) Naphthalene	7.910	128	7948	0.268	ug/ml	97
37) Benzoic Acid	7.657	105	412M2	0.280	ug/ml	
38) 4-Chloroaniline	7.992	65	1156	0.260	ug/ml#	68
39) Hexachlorobutadiene	8.081	225	2177	0.285	ug/ml	90
40) p-Chloro-m-cresol	8.516	107	2038	0.225	ug/ml#	89
41) 2-Methylnaphthalene	8.628	142	4870M3	0.247	ug/ml	
42) 1-Methylnaphthalene	8.722	115	1817	0.220	ug/ml	89
43) Hexachlorocyclopentadiene	8.810	237	2090	0.276	ug/ml#	93
44) 2,4,6-Trichlorophenol	8.928	196	1818	0.246	ug/ml	84
45) 2,4,5-Trichlorophenol	8.957	196	1717	0.214	ug/ml	93
47) 2-Chloronaphthalene	9.104	162	5430	0.263	ug/ml	95
48) 2-Nitroaniline	9.222	138	1412	0.236	ug/ml	93
49) 1,4-Dinitrobenzene	9.357	168	811M3	0.256	ug/ml	
50) 1,3-Dinitrobenzene	9.427	168	730	0.202	ug/ml#	1
51) Dimethyl phthalate	9.427	163	6172	0.226	ug/ml#	93
52) Acenaphthylene	9.510	152	7648	0.238	ug/ml	98
53) 2,6-Dinitrotoluene	9.469	165	1183	0.216	ug/ml	90
54) 1,2-Dinitrobenzene	9.510	168	495M3	0.230	ug/ml	
64) 3-Nitroaniline	9.622	138	1204	0.231	ug/ml#	60
65) Acenaphthene	9.686	154	4683	0.265	ug/ml	85
66) 2,4-Dinitrophenol	9.733	184	426M2	0.457	ug/ml	
67) Dibenzofuran	9.857	168	8058	0.261	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	1997	0.281	ug/ml	88
69) 4-Nitrophenol	9.816	65	1178	0.210	ug/ml	87
70) 2,3,5,6-Tetrachlorophenol	9.945	232	1518	0.242	ug/ml	90
71) 2,3,4,6-Tetrachlorophenol	9.986	232	1609	0.261	ug/ml	95
72) Diethyl phthalate	10.122	149	6507	0.253	ug/ml	99
73) Fluorene	10.186	166	6010	0.248	ug/ml	90
74) 4-Chlorophenyl phenyl ...	10.210	204	3442	0.269	ug/ml#	82

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.210	138	1274	0.249	ug/ml	92
76)	4,6-Dinitro-o-cresol	10.251	198	755	0.189	ug/ml#	62
77)	NDPA/DPA	10.322	169	5230	0.262	ug/ml	97
78)	Azobenzene	10.357	77	5664	0.222	ug/ml	97
80)	4-Bromophenyl phenyl e...	10.680	248	2231	0.293	ug/ml#	78
81)	Hexachlorobenzene	10.733	284	2504	0.284	ug/ml#	84
82)	Pentachlorophenol	10.927	266	1228	0.239	ug/ml	88
89)	Phenanthrene	11.116	178	10935	0.277	ug/ml	98
90)	Anthracene	11.169	178	9713	0.248	ug/ml	97
91)	Carbazole	11.333	167	8819	0.246	ug/ml	96
92)	Di-n-butylphthalate	11.727	149	10453	0.240	ug/ml	99
93)	Fluoranthene	12.274	202	12420	0.274	ug/ml#	92
94)	Benzidine	12.427	184	5894	0.227	ug/ml#	83
95)	Pyrene	12.492	202	13308	0.278	ug/ml	99
97)	Butyl benzyl phthalate	13.210	149	4746	0.256	ug/ml	93
105)	Benzo(a)anthracene	13.733	228	13886	0.262	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.733	252	4267	0.234	ug/ml	99
107)	Chrysene	13.768	228	14549	0.278	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.851	149	6894	0.219	ug/ml#	98
109)	Di-n-octylphthalate	14.533	149	11164	0.217	ug/ml#	76
110)	Benzo(b)fluoranthene	14.845	252	13701	0.283	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	13627	0.288	ug/ml#	91
112)	Benzo(a)pyrene	15.157	252	11806	0.272	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	16.203	276	10846M1	0.243	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	10791	0.255	ug/ml#	90
116)	Benzo(ghi)perylene	16.456	276	10598	0.253	ug/ml#	85

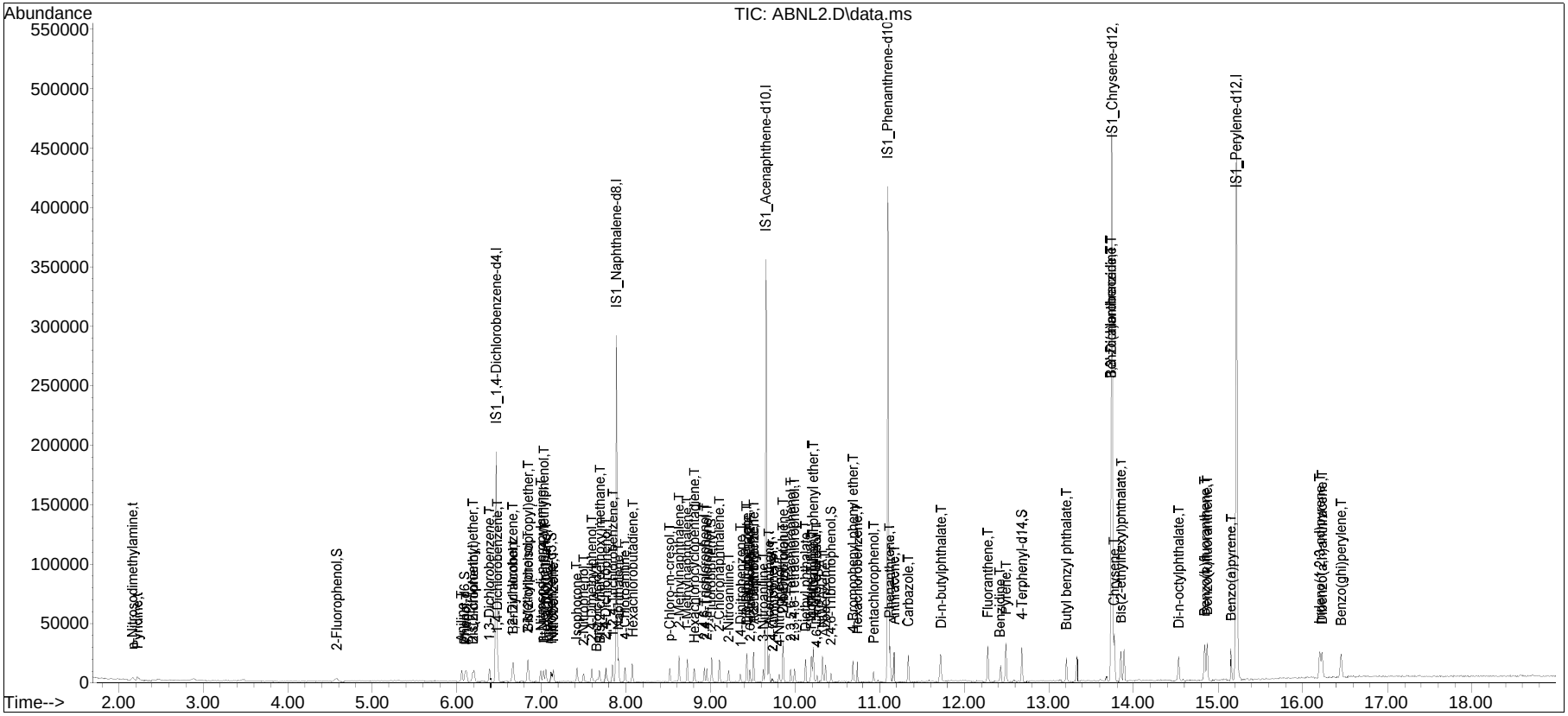
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

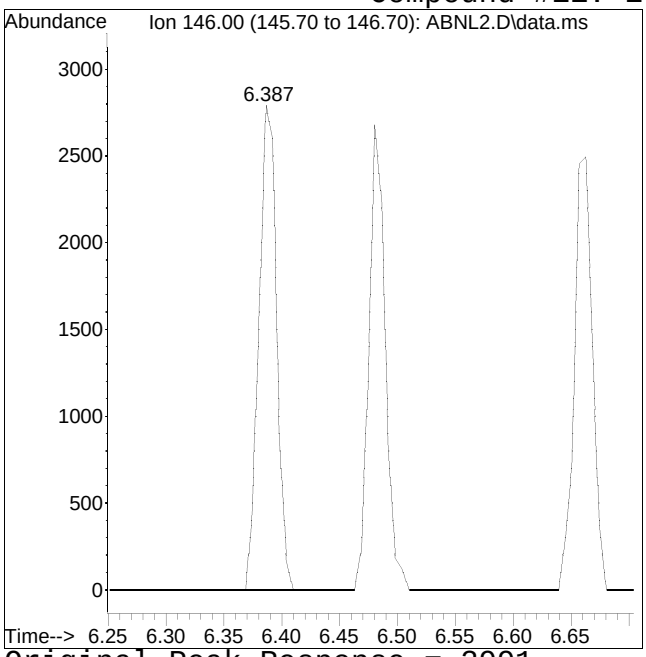
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

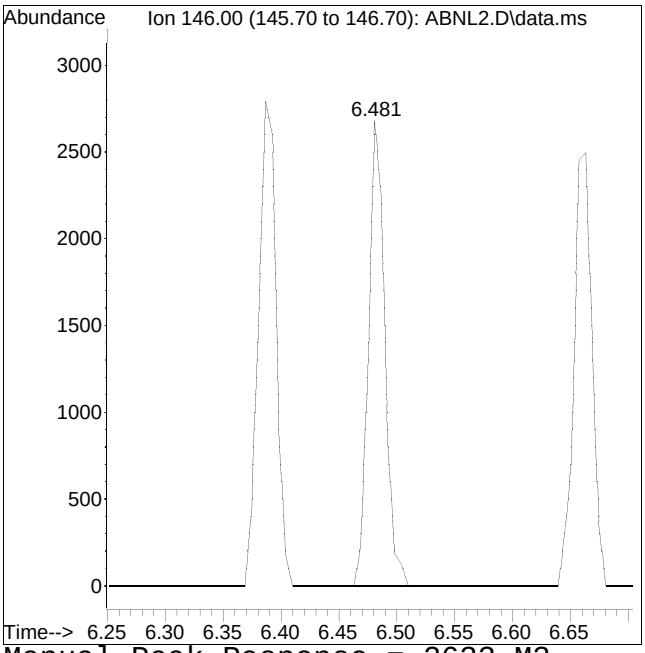


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #11: 1,4-Dichlorobenzene





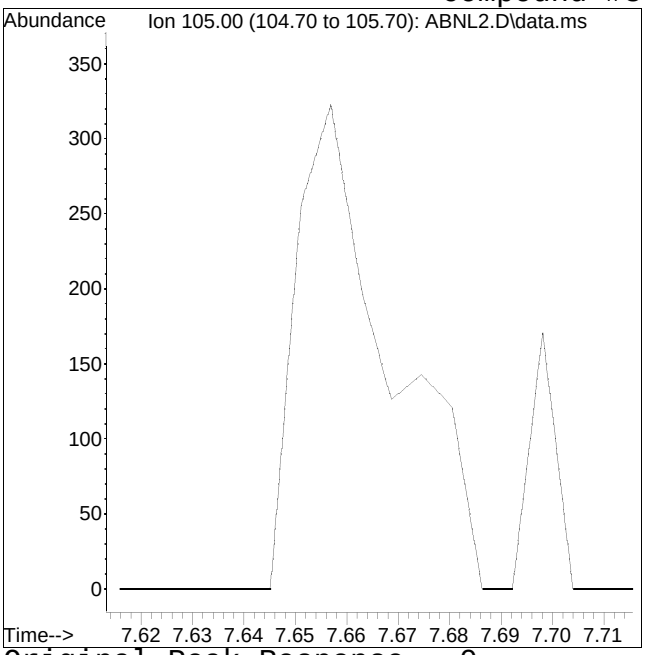
Original Peak Response = 2991 Manual Peak Response = 2633 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

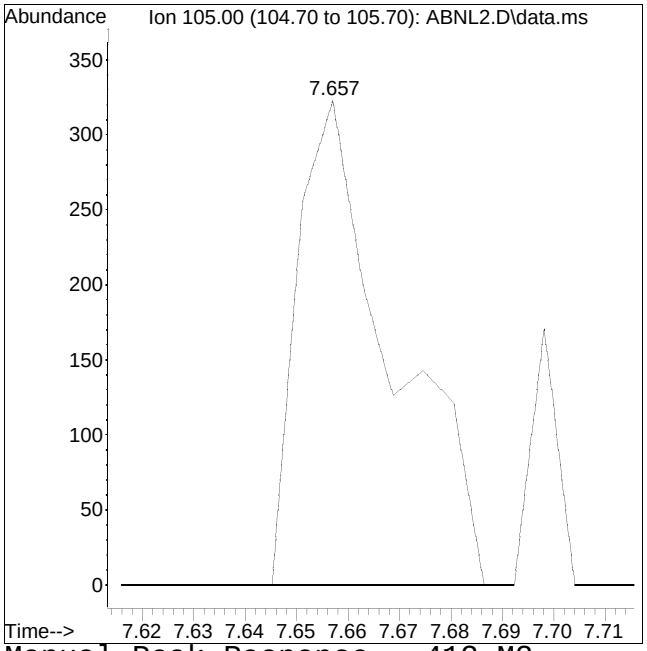
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #37: Benzoic Acid



Original Peak Response = 0



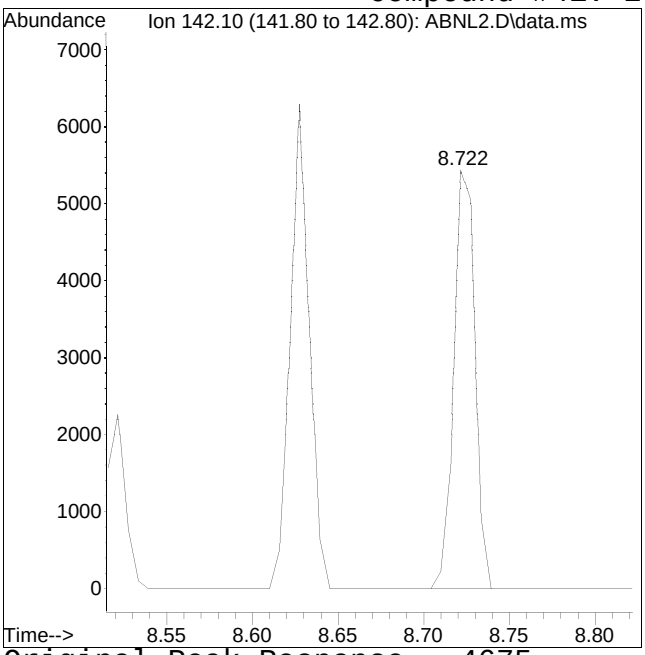
Manual Peak Response = 412 M2

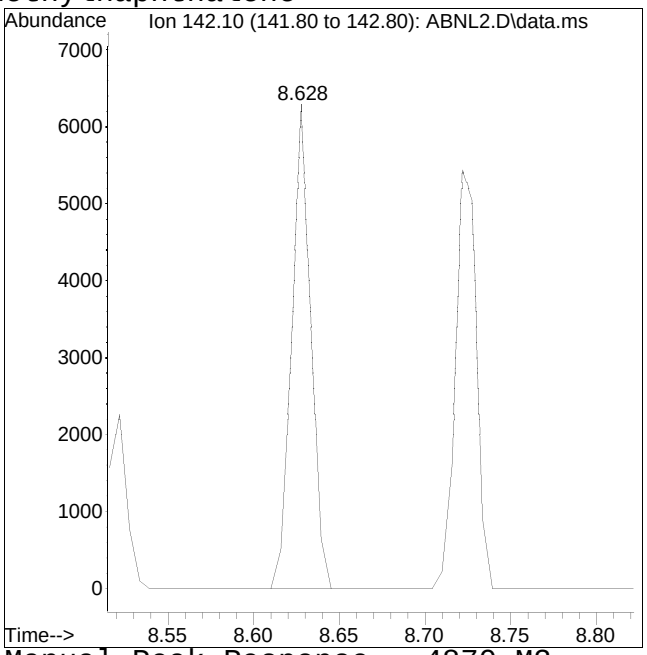
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #41: 2-Methylnaphthalene





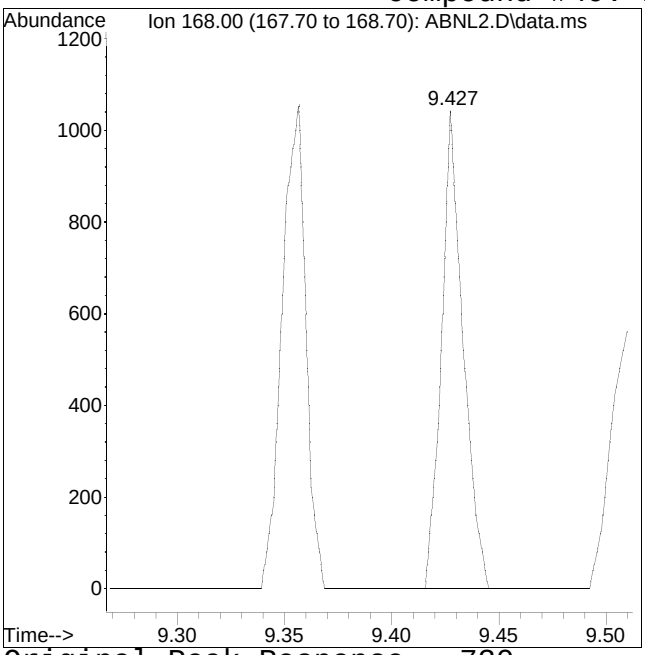
Original Peak Response = 4675 Manual Peak Response = 4870 M3

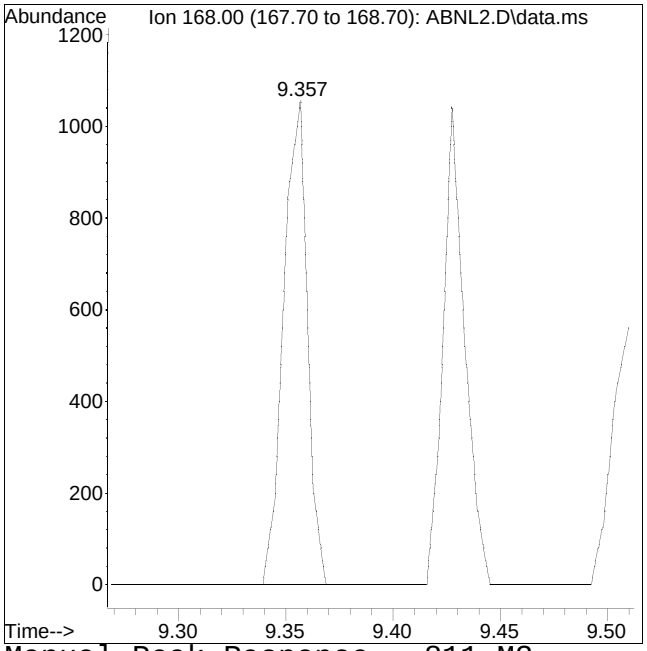
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #49: 1,4-Dinitrobenzene



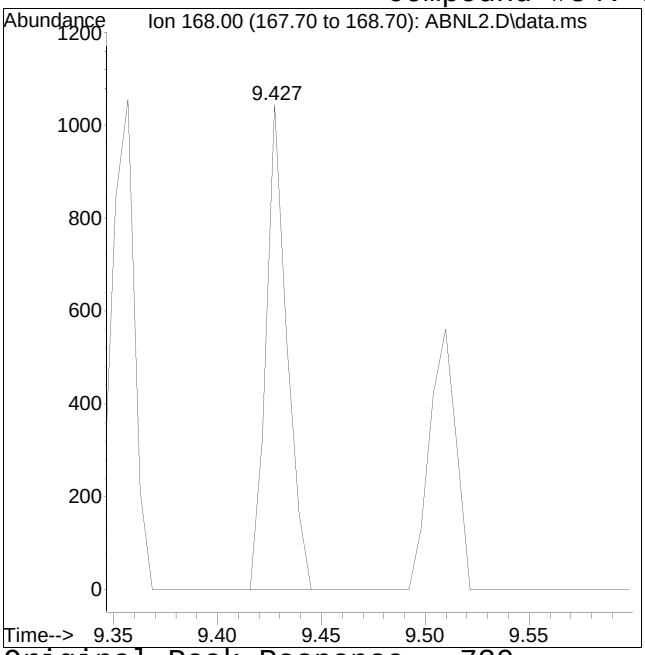


Original Peak Response = 730 Manual Peak Response = 811 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

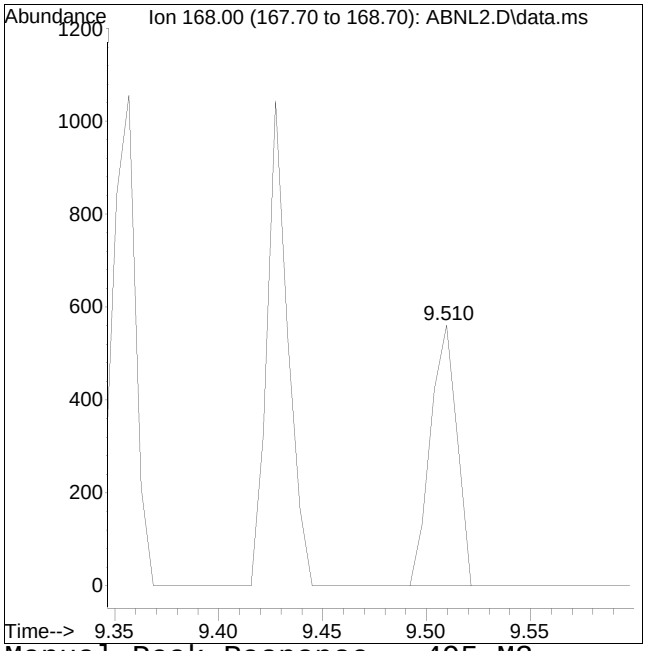
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 730



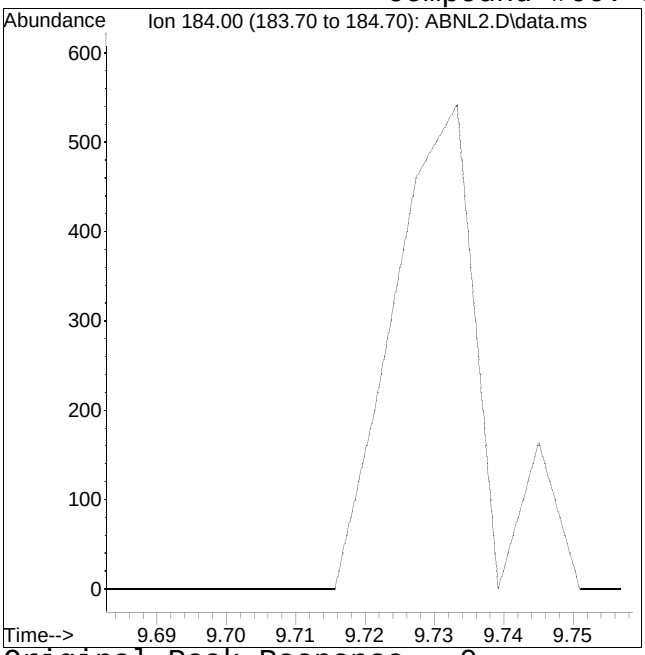
Manual Peak Response = 495 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

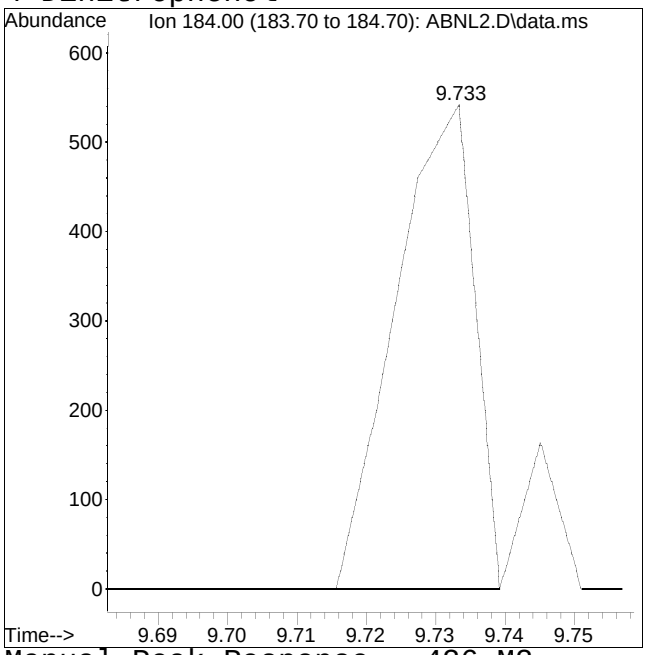
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



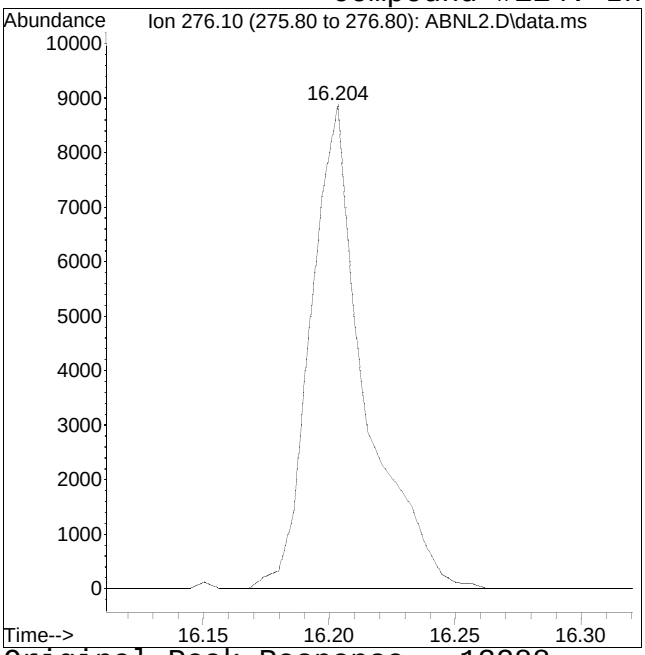
Manual Peak Response = 426 M2

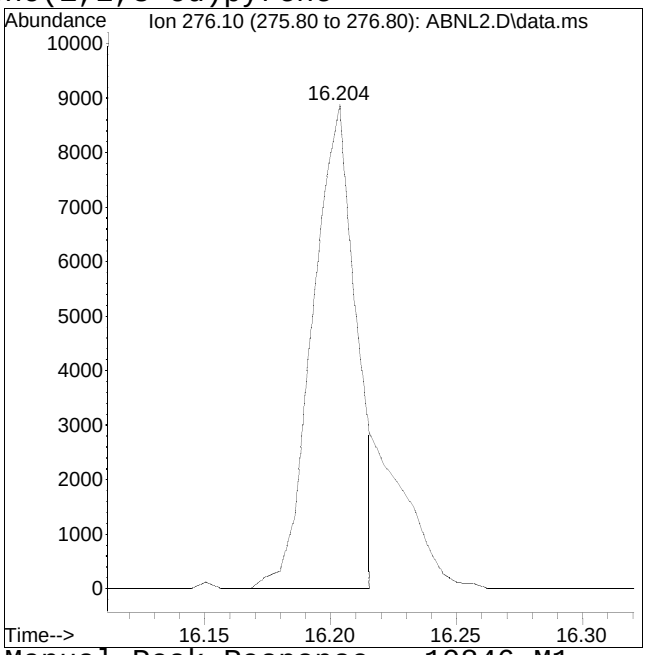
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 13288 Manual Peak Response = 10846 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	30958	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 89.97%			
35) IS1_Naphthalene-d8	7.887	136	110543	4.000	ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 91.23%			
63) IS1_Acenaphthene-d10	9.651	164	68462	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 86.20%			
88) IS1_Phenanthrene-d10	11.092	188	154950	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 87.97%			
104) IS1_Chrysene-d12	13.745	240	160753	4.000	ug/ml	# 0.00
Standard Area 1 = 174707			Recovery = 92.01%			
113) IS1_Perylene-d12	15.215	264	178931	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 91.51%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	843	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
7) Phenol-d6	6.093	99	1503	0.123	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.15%#			
19) Nitrobenzene-d5	7.116	82	1438	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.50%#			
46) 2-Fluorobiphenyl	9.010	172	3422	0.121	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.10%#			
79) 2,4,6-Tribromophenol	10.422	330	399M2	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
96) 4-Terphenyl-d14	12.686	244	4923	0.118	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.163	74	726	0.110	ug/ml#	79
3) Pyridine	2.246	79	1181	0.110	ug/ml#	57
5) Aniline	6.057	93	1891	0.119	ug/ml#	84
6) 2-Chlorophenol	6.204	128	1073	0.108	ug/ml#	71
8) Phenol	6.110	94	1502	0.118	ug/ml#	92
9) Bis(2-chloroethyl)ether	6.187	93	1185	0.114	ug/ml#	61
10) 1,3-Dichlorobenzene	6.387	146	1370	0.114	ug/ml	98
11) 1,4-Dichlorobenzene	6.481	146	1459	0.120	ug/ml	95
12) 1,2-Dichlorobenzene	6.663	146	1448M3	0.123	ug/ml	
13) Benzyl alcohol	6.669	79	1061	0.108	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
14) Bis(2-chloroisopropyl)...	6.845	45	2053	0.122	ug/ml	#	55
15) 2-Methylphenol	6.840	108	1006	0.110	ug/ml	#	78
16) Hexachloroethane	7.051	117	575	0.119	ug/ml	#	52
17) n-Nitrosodi-n-propylamine	6.992	70	845	0.103	ug/ml	#	59
18) 3-Methylphenol/4-Methy...	7.028	108	1055	0.107	ug/ml	#	90
20) Nitrobenzene	7.140	77	1549	0.122	ug/ml	#	88
21) Isophorone	7.422	82	2344	0.110	ug/ml	#	65
22) 2-Nitrophenol	7.498	139	527	0.098	ug/ml	#	31
23) 2,4-Dimethylphenol	7.592	107	1265	0.126	ug/ml	#	63
24) Bis(2-chloroethoxy)met...	7.692	93	1666	0.121	ug/ml	#	50
25) 2,4-Dichlorophenol	7.763	162	1068	0.112	ug/ml	#	67
26) 1,2,4-Trichlorobenzene	7.845	180	1514	0.130	ug/ml	#	69
36) Naphthalene	7.910	128	3600	0.114	ug/ml	#	88
37) Benzoic Acid	0.000		0	N.D.			
38) 4-Chloroaniline	7.992	65	478M2	0.102	ug/ml		
39) Hexachlorobutadiene	8.075	225	1064	0.127	ug/ml		96
40) p-Chloro-m-cresol	8.522	107	1033	0.109	ug/ml	#	78
41) 2-Methylnaphthalene	8.628	142	2466M3	0.117	ug/ml		
42) 1-Methylnaphthalene	8.722	115	827	0.103	ug/ml		93
43) Hexachlorocyclopentadiene	8.804	237	1046	0.113	ug/ml	#	86
44) 2,4,6-Trichlorophenol	8.928	196	852	0.103	ug/ml	#	81
45) 2,4,5-Trichlorophenol	8.957	196	963	0.108	ug/ml	#	76
47) 2-Chloronaphthalene	9.110	162	2572	0.115	ug/ml		96
48) 2-Nitroaniline	9.222	138	742	0.110	ug/ml		97
49) 1,4-Dinitrobenzene	9.351	168	282M2	0.079	ug/ml		
50) 1,3-Dinitrobenzene	9.428	168	467M2	0.115	ug/ml		
51) Dimethyl phthalate	9.422	163	3122	0.114	ug/ml	#	77
52) Acenaphthylene	9.510	152	3583	0.104	ug/ml	#	86
53) 2,6-Dinitrotoluene	9.469	165	653	0.111	ug/ml	#	53
54) 1,2-Dinitrobenzene	9.504	168	264M2	0.105	ug/ml		
64) 3-Nitroaniline	9.622	138	425M2	0.078	ug/ml		
65) Acenaphthene	9.681	154	2333	0.118	ug/ml	#	84
66) 2,4-Dinitrophenol	0.000		0	N.D.	d		
67) Dibenzofuran	9.857	168	4069	0.123	ug/ml		96
68) 2,4-Dinitrotoluene	9.857	165	866	0.107	ug/ml	#	85
69) 4-Nitrophenol	9.810	65	483M3	0.087	ug/ml		
70) 2,3,5,6-Tetrachlorophenol	9.945	232	754	0.097	ug/ml	#	73
71) 2,3,4,6-Tetrachlorophenol	9.992	232	659	0.089	ug/ml	#	70
72) Diethyl phthalate	10.122	149	2922	0.112	ug/ml	#	87
73) Fluorene	10.186	166	3131	0.120	ug/ml	#	94

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	10.210	204	1574	0.115	ug/ml#	84
75)	4-Nitroaniline	10.210	138	516	0.091	ug/ml#	69
76)	4,6-Dinitro-o-cresol	10.251	198	308M2	0.068	ug/ml	
77)	NDPA/DPA	10.328	169	2316	0.107	ug/ml	95
78)	Azobenzene	10.357	77	2715	0.110	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.680	248	976	0.114	ug/ml#	82
81)	Hexachlorobenzene	10.733	284	1047	0.108	ug/ml#	33
82)	Pentachlorophenol	10.928	266	592	0.096	ug/ml#	19
89)	Phenanthrene	11.116	178	5154	0.119	ug/ml	97
90)	Anthracene	11.163	178	5216M3	0.121	ug/ml	
91)	Carbazole	11.333	167	4735	0.120	ug/ml	95
92)	Di-n-butylphthalate	11.727	149	5025	0.109	ug/ml#	79
93)	Fluoranthene	12.274	202	6479	0.122	ug/ml#	88
94)	Benzidine	12.427	184	2415	0.084	ug/ml#	68
95)	Pyrene	12.492	202	6669	0.120	ug/ml	97
97)	Butyl benzyl phthalate	13.210	149	2481	0.116	ug/ml#	85
105)	Benzo(a)anthracene	13.733	228	7580	0.128	ug/ml	94
106)	3,3'-Dichlorobenzidine	13.733	252	1896	0.096	ug/ml#	89
107)	Chrysene	13.769	228	7446	0.130	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	13.851	149	3583	0.109	ug/ml#	94
109)	Di-n-octylphthalate	14.533	149	5836	0.107	ug/ml#	77
110)	Benzo(b)fluoranthene	14.845	252	6815	0.119	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	6756	0.124	ug/ml#	88
112)	Benzo(a)pyrene	15.163	252	5634	0.113	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.204	276	5854M6	0.121	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	5532	0.119	ug/ml#	89
116)	Benzo(ghi)perylene	16.457	276	5478M6	0.127	ug/ml	

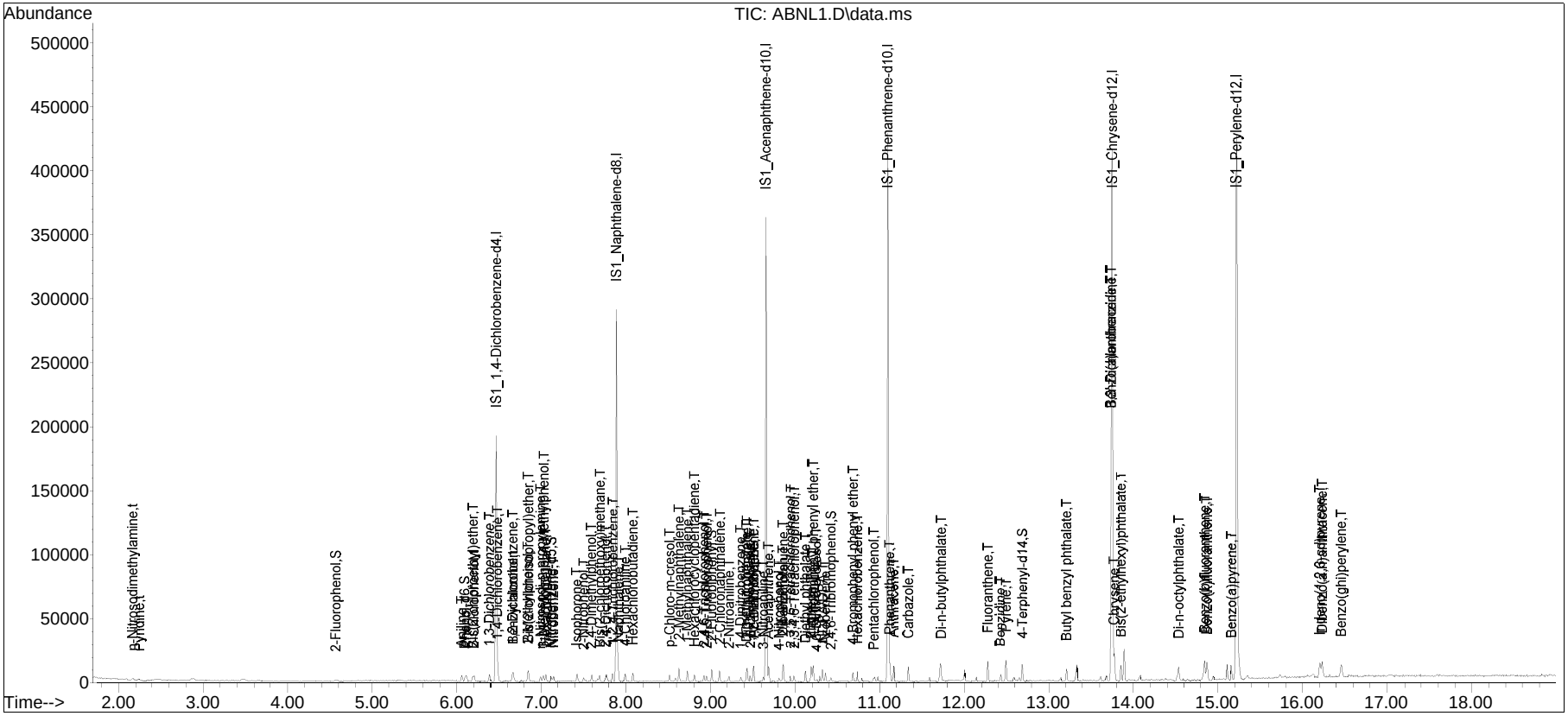
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

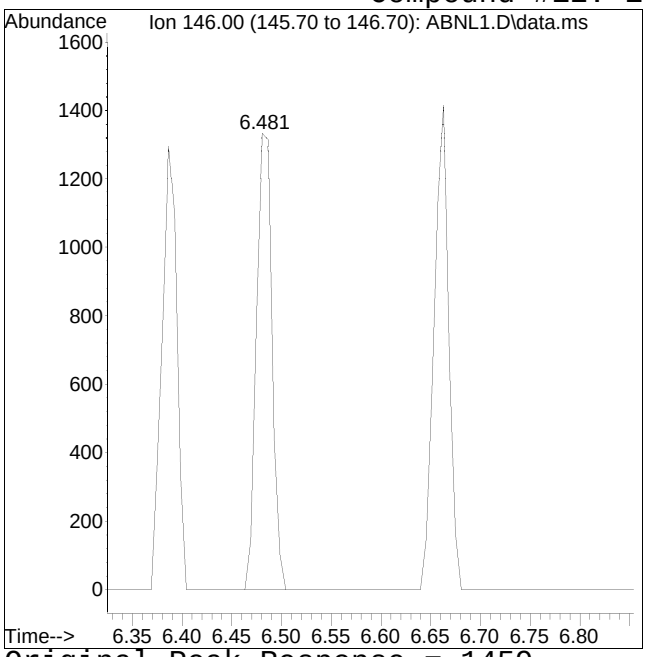
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

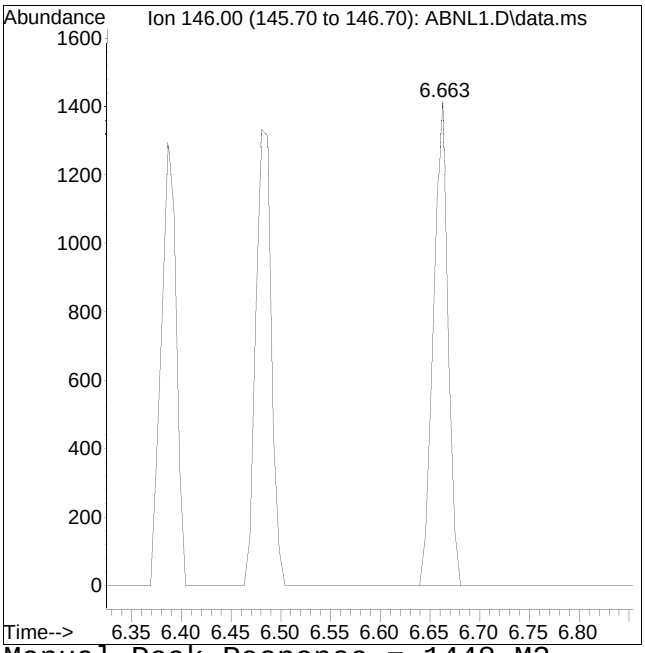


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #12: 1,2-Dichlorobenzene





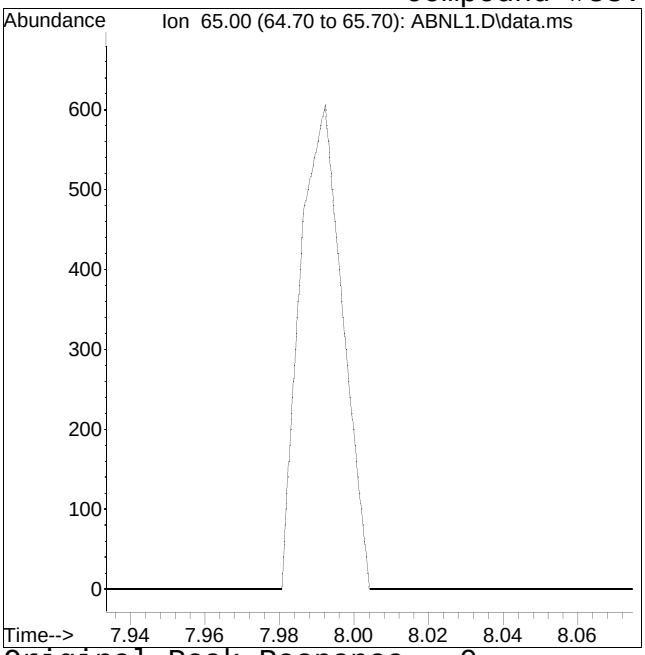
Original Peak Response = 1459 Manual Peak Response = 1448 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

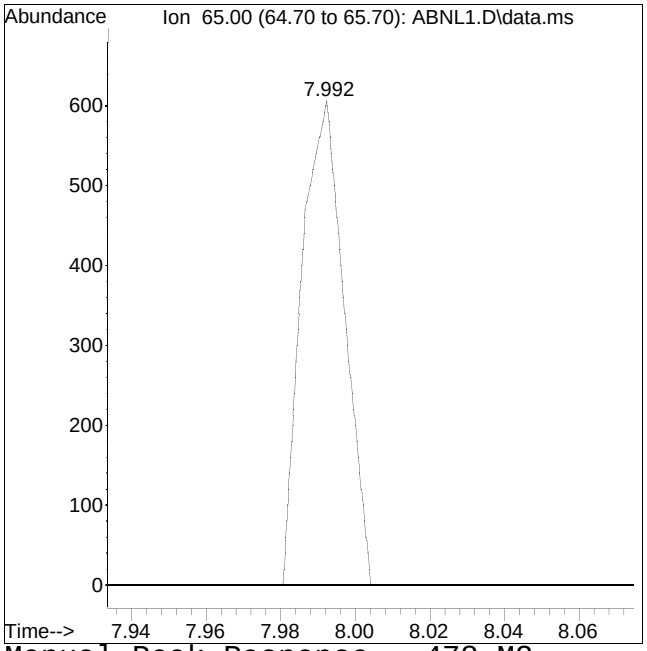
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0



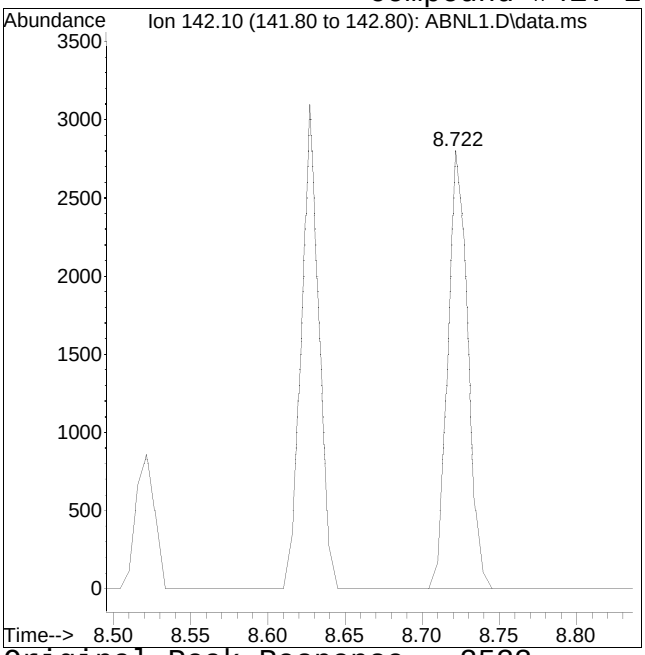
Manual Peak Response = 478 M2

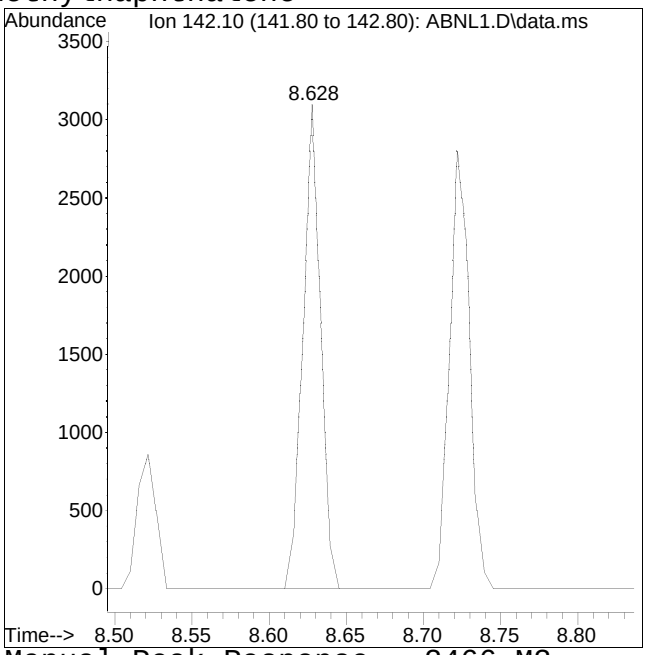
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #41: 2-Methylnaphthalene



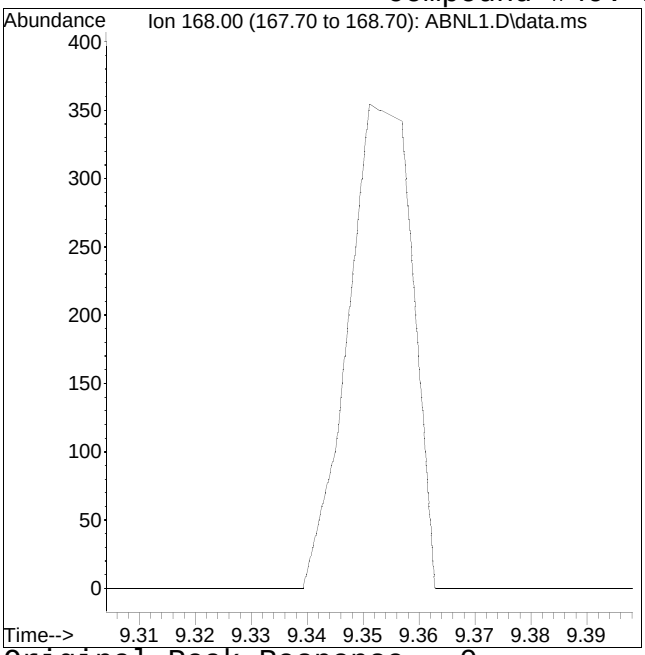


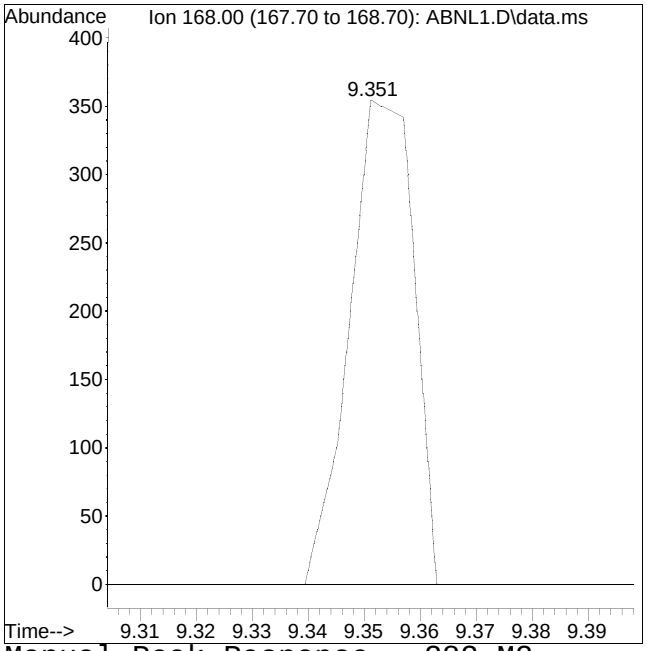
Original Peak Response = 2533 Manual Peak Response = 2466 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #49: 1,4-Dinitrobenzene



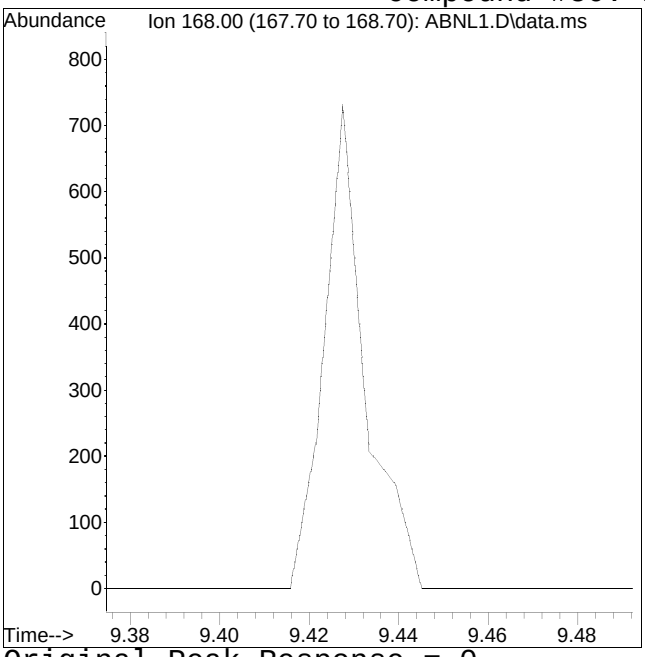


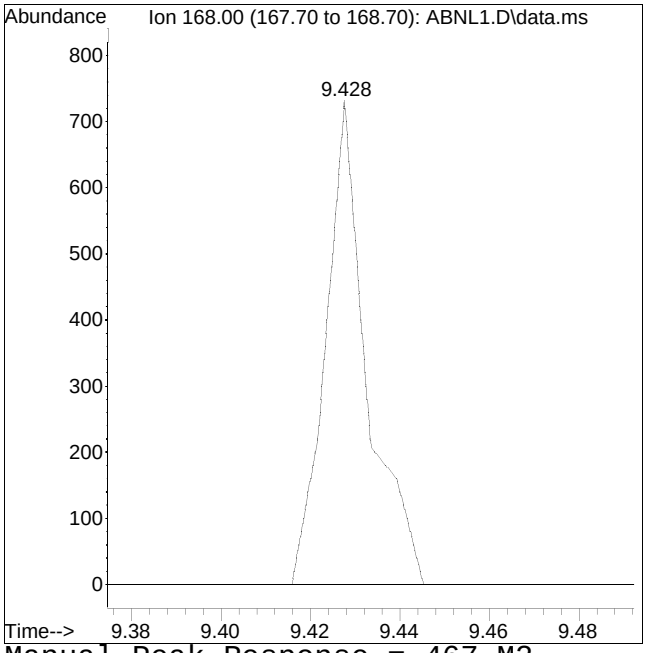
Original Peak Response = 0 Manual Peak Response = 282 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #50: 1,3-Dinitrobenzene



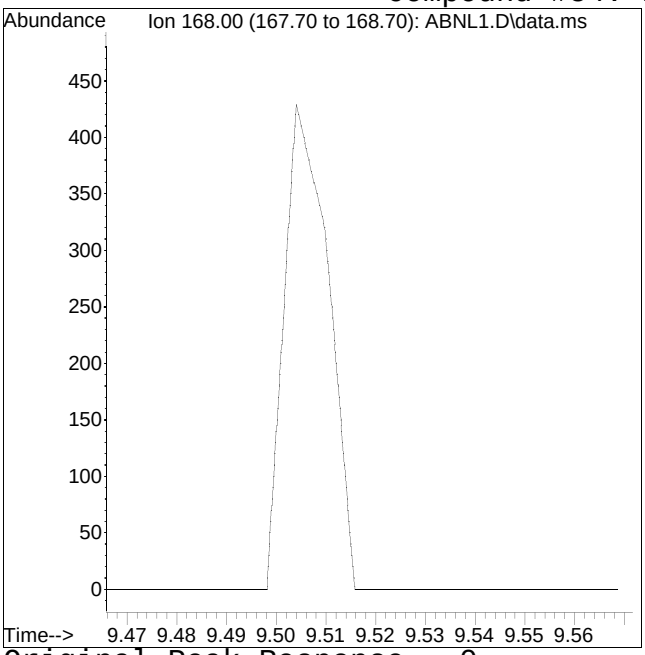


Original Peak Response = 0 Manual Peak Response = 467 M2
M2 = Peak not found by automatic integration algorithm.

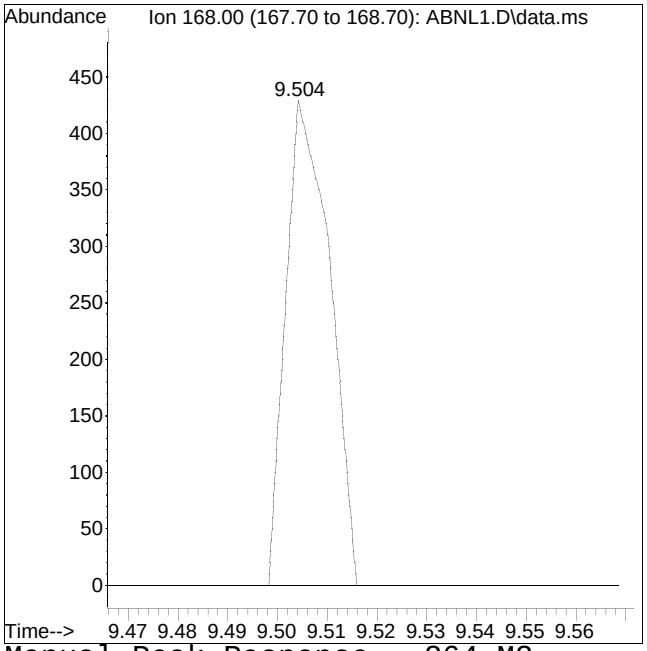
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



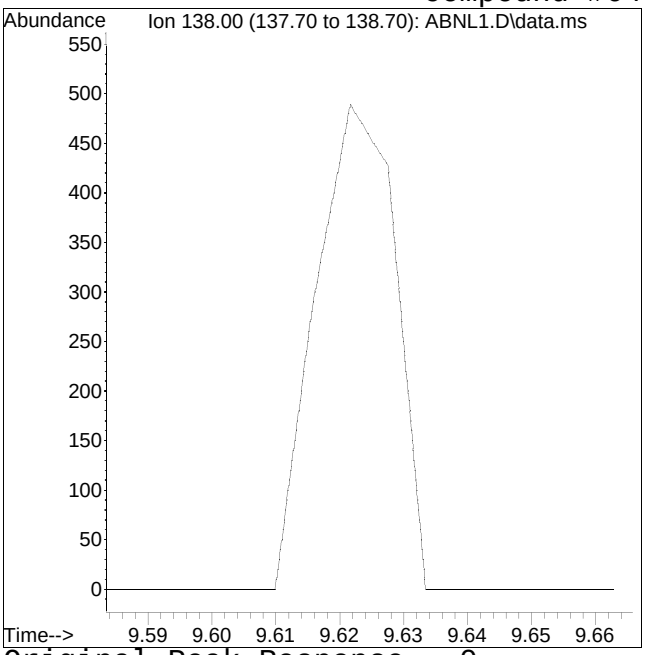
Manual Peak Response = 264 M2

M2 = Peak not found by automatic integration algorithm.

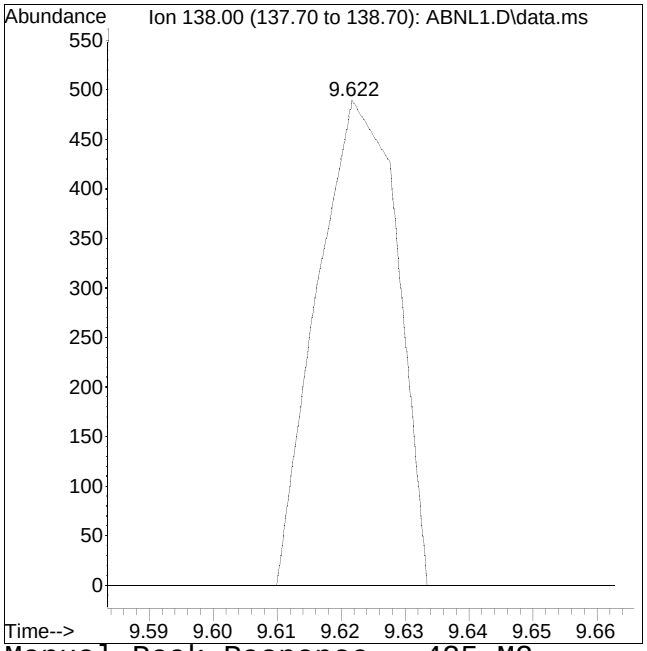
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #64: 3-Nitroaniline



Original Peak Response = 0



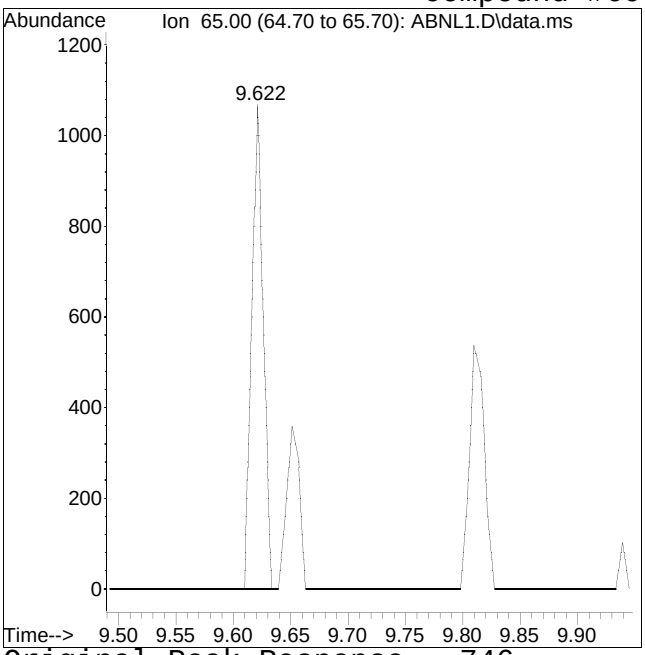
Manual Peak Response = 425 M2

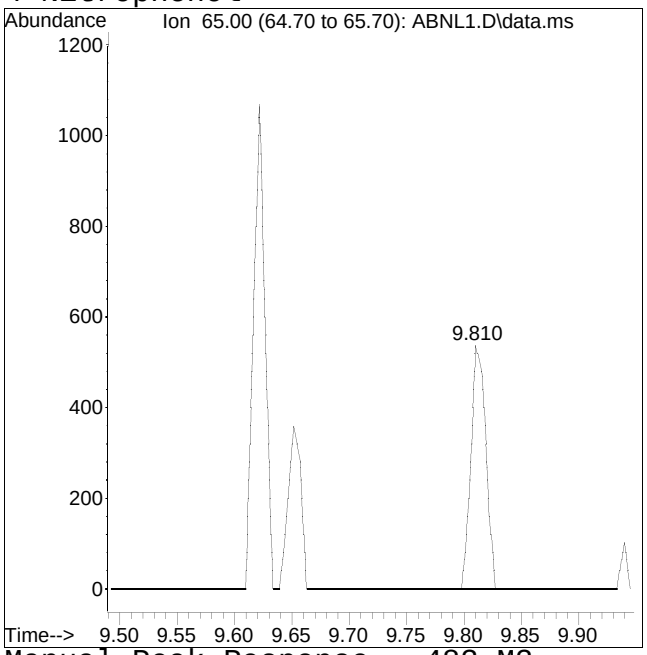
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #69: 4-Nitrophenol





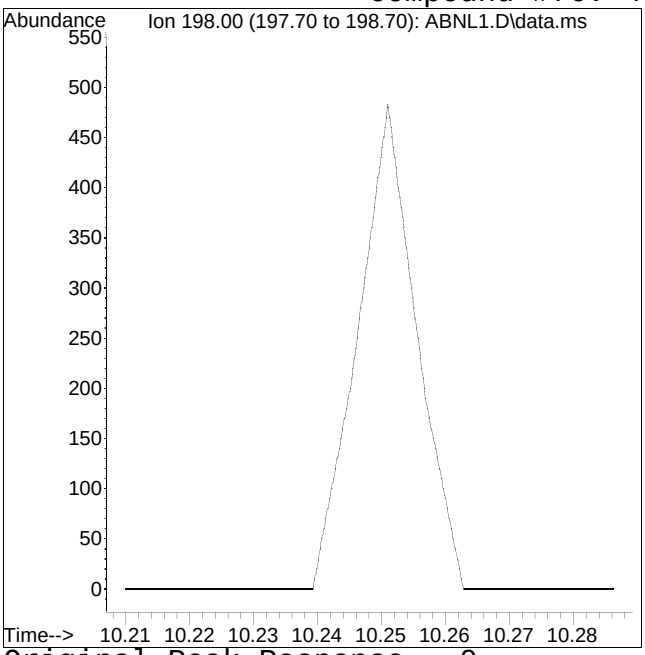
Original Peak Response = 746 Manual Peak Response = 483 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

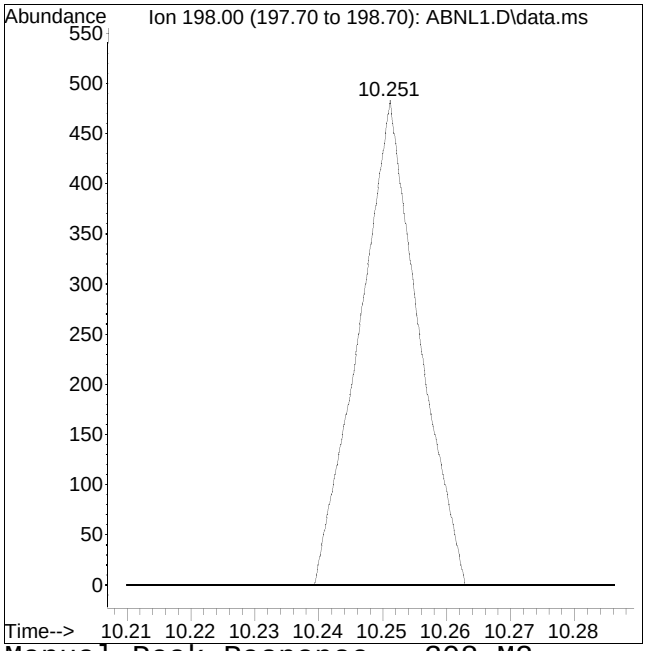
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



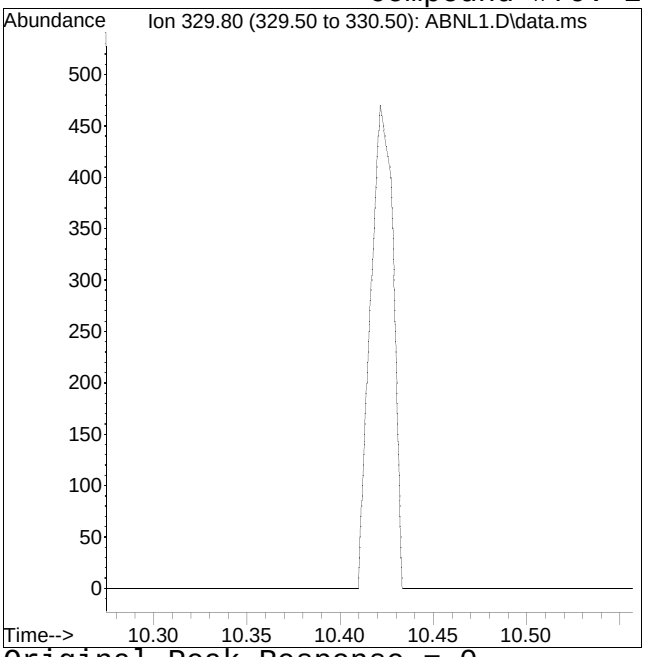
Manual Peak Response = 308 M2

M2 = Peak not found by automatic integration algorithm.

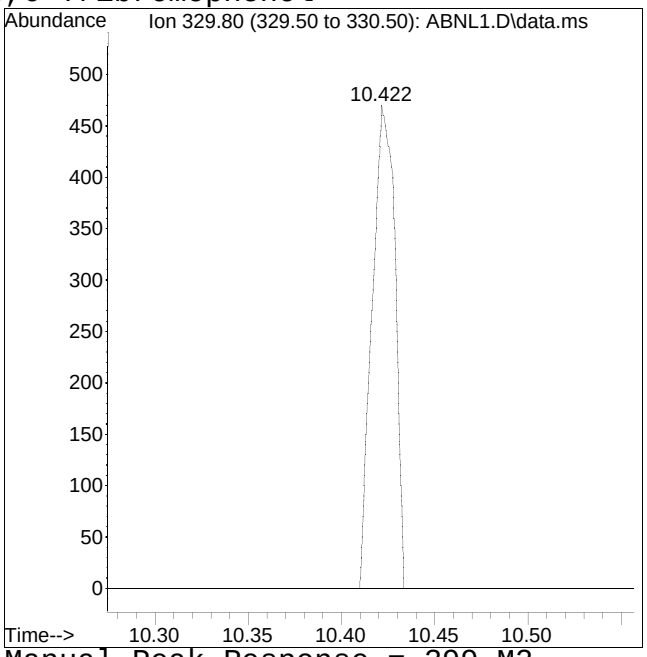
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



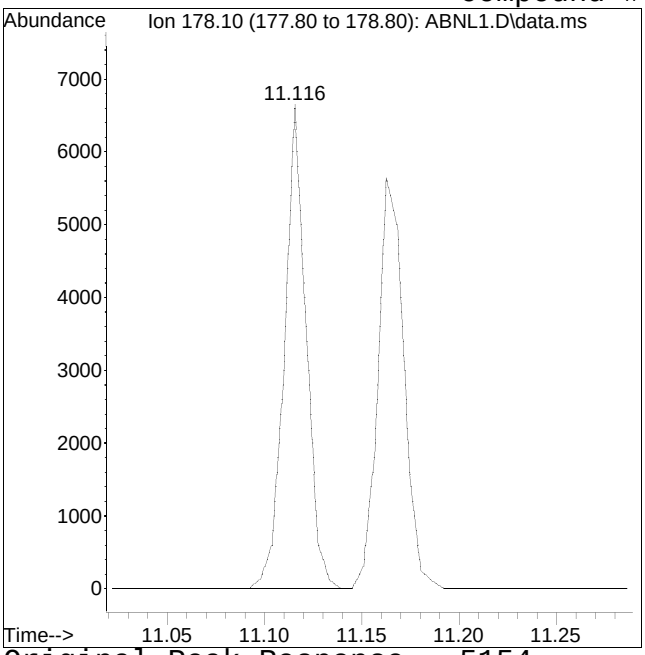
Manual Peak Response = 399 M2

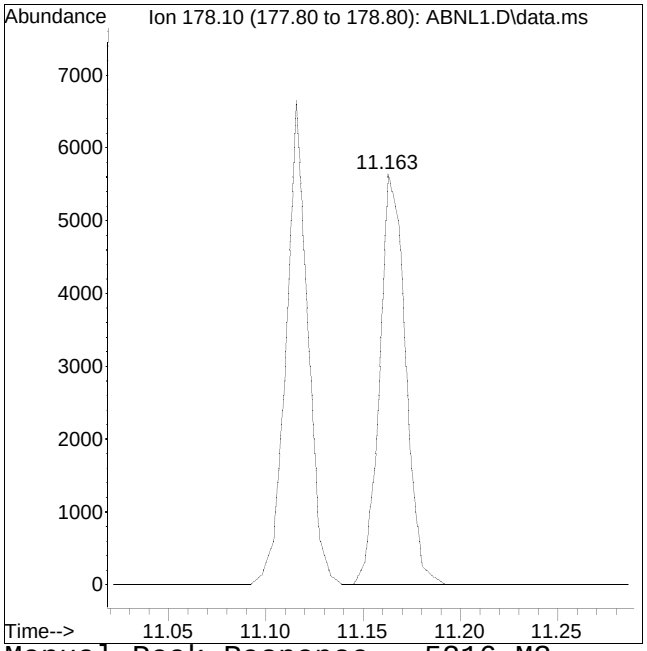
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #90: Anthracene





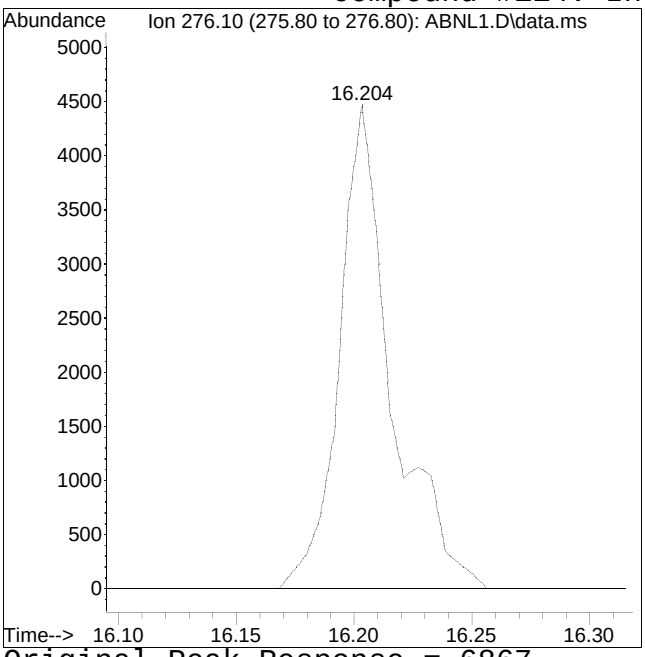
Original Peak Response = 5154 Manual Peak Response = 5216 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

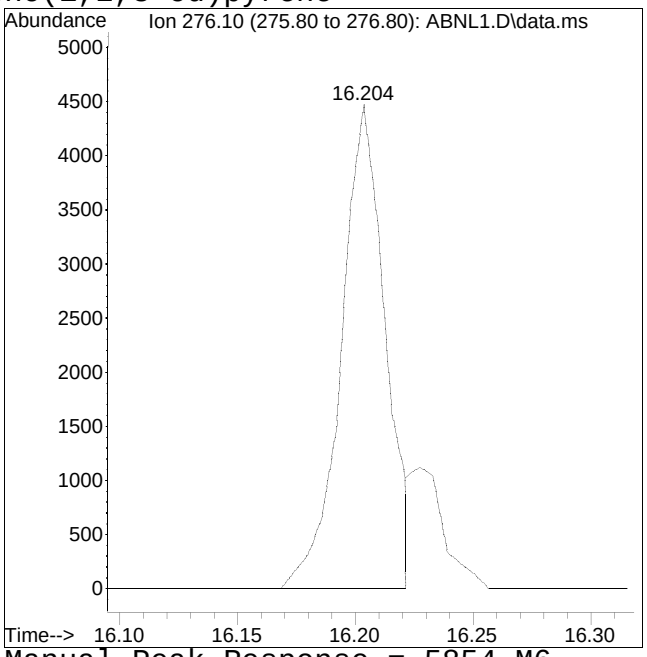
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 6867



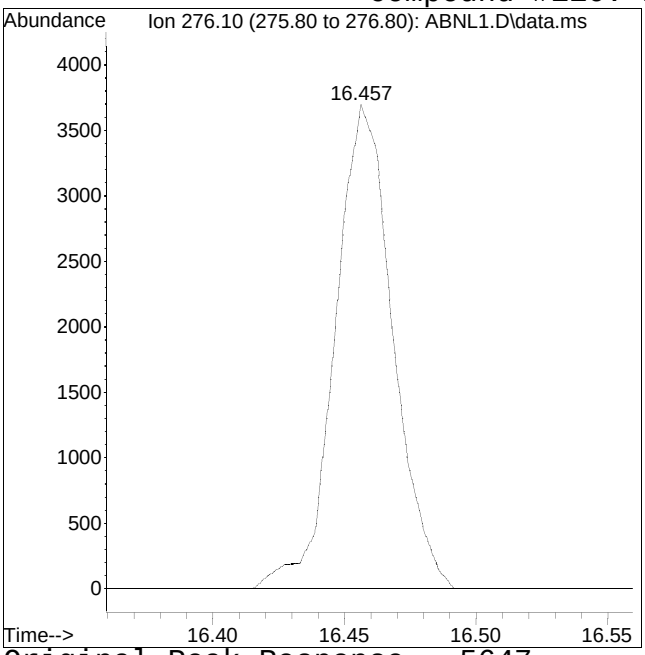
Manual Peak Response = 5854 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

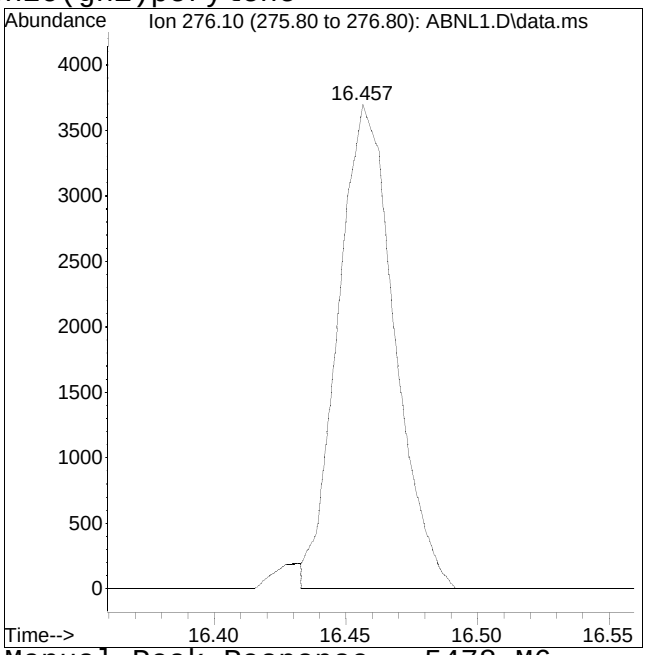
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #116: Benzo(ghi)perylene



Original Peak Response = 5647



Manual Peak Response = 5478 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L9.D
Acq On : 24 Jun 2024 8:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939040
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 06:09:48 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	33960	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery =	105.99%		
55) IS2_Naphthalene-d8	7.886	136	119399	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	104.54%		
83) IS2_Acenaphthene-d10	9.651	164	75921	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery =	103.70%		
98) IS2_Phenanthrene-d10	11.098	188	171923	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery =	99.56%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	510854	54.930	ug/ml	97
29) Acetophenone	6.963	105	920034	54.699	ug/ml#	82
30) m-Toluidine	7.063	106	855291	59.791	ug/ml	94
31) 2-Chloroaniline	7.463	127	734153	53.409	ug/ml	98
56) a-Terpineol	7.969	59	606188	61.469	ug/ml#	86
57) 3-Chloroaniline	7.975	65	303336	56.096	ug/ml#	71
58) 2,6-Dichlorophenol	8.010	162	563445	62.979	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.269	111	274806	53.627	ug/ml#	1
60) Caprolactam	8.339	55	338633	64.464	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	8.804	216	774819	56.359	ug/ml	98
62) Biphenyl	9.110	154	1567351	58.268	ug/ml	99
84) Dichloran	10.798	206	272093	74.901	ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	278837	63.283	ug/ml#	76
99) Diphenamid	12.010	167	1257803	64.842	ug/ml	83

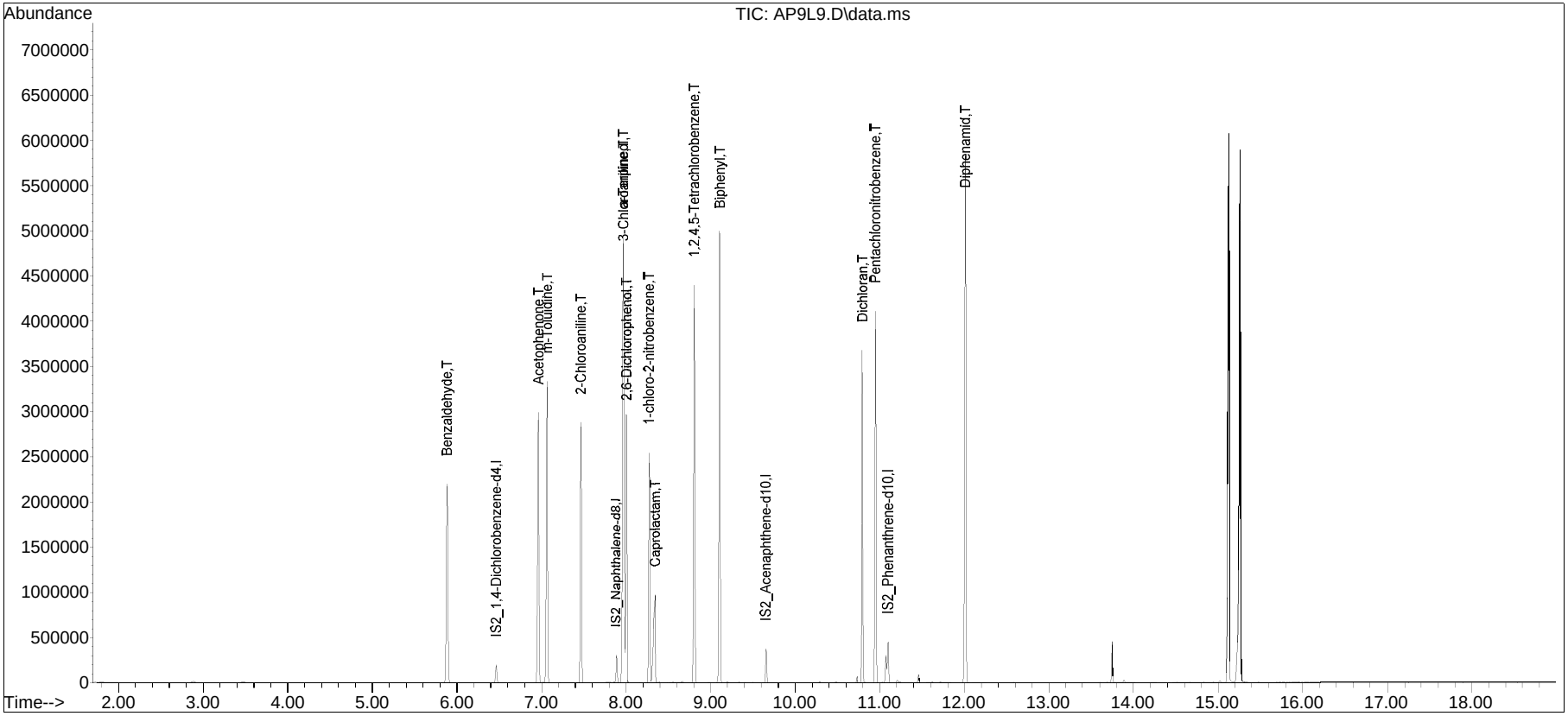
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L9.D
Acq On : 24 Jun 2024 8:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939040
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 06:09:48 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L9.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 8:29 pm	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L8.D
Acq On : 24 Jun 2024 8:53 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939040
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 06:09:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.457	152	28691	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 89.54%			
55) IS2_Naphthalene-d8	7.886	136	100289	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 87.81%			
83) IS2_Acenaphthene-d10	9.651	164	61635	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 84.18%			
98) IS2_Phenanthrene-d10	11.092	188	137090	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 79.39%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.881	105	217516	27.684	ug/ml	97
29) Acetophenone	6.957	105	388282	27.324	ug/ml#	83
30) m-Toluidine	7.057	106	367364	30.397	ug/ml	93
31) 2-Chloroaniline	7.463	127	309450	26.647	ug/ml	98
56) a-Terpineol	7.963	59	256052	30.912	ug/ml#	86
57) 3-Chloroaniline	7.975	65	127450	28.061	ug/ml#	71
58) 2,6-Dichlorophenol	8.004	162	236684	31.496	ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	114678	26.643	ug/ml#	1
60) Caprolactam	8.322	55	144383	32.723	ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	323702	28.032	ug/ml	97
62) Biphenyl	9.104	154	655521	29.014	ug/ml	99
84) Dichloran	10.792	206	109245	37.043	ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	111560	31.187	ug/ml#	75
99) Diphenamid	12.010	167	512204	33.114	ug/ml	84

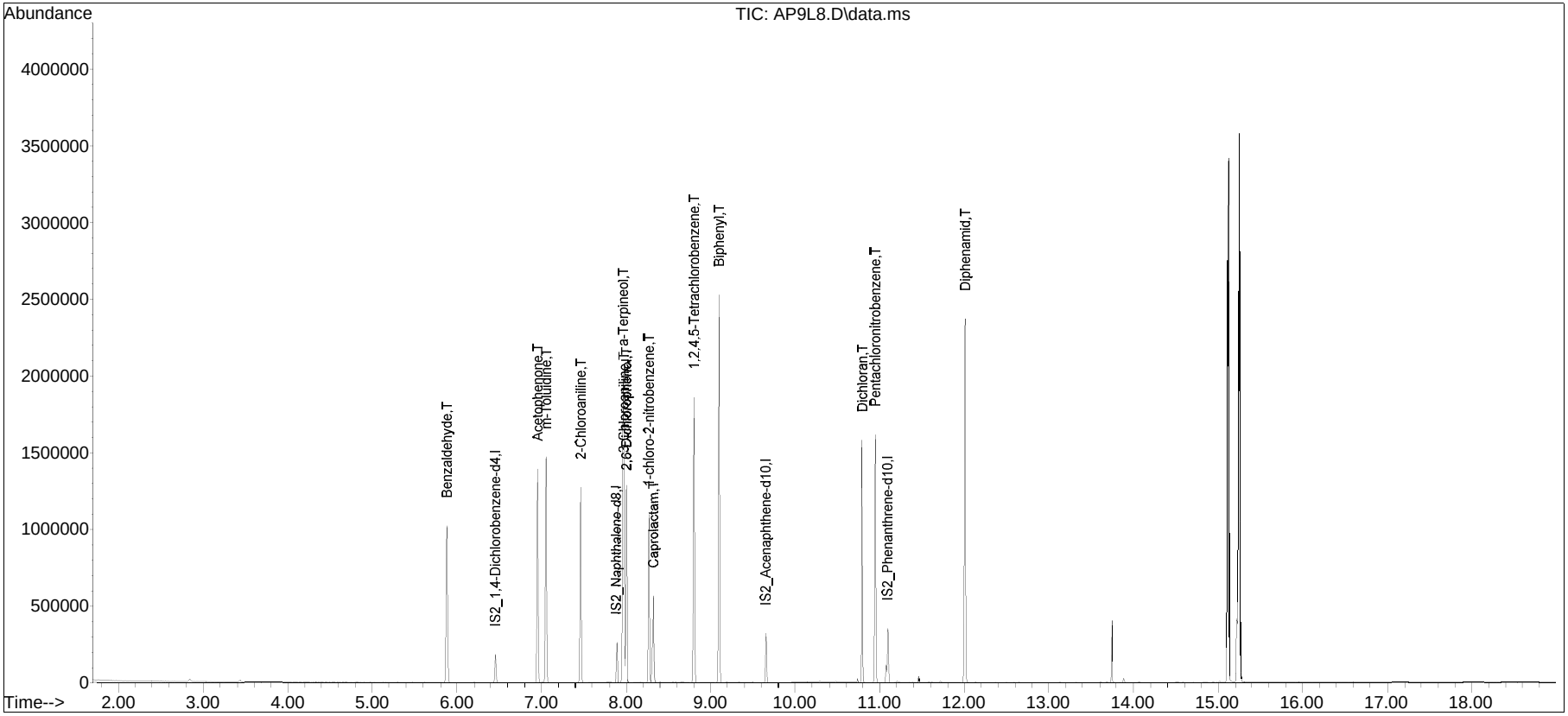
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L8.D
Acq On : 24 Jun 2024 8:53 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939040
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 06:09:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L8.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 8:53 pm	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L7.D
Acq On : 24 Jun 2024 9:16 pm
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939040
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 06:08:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	31002	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 96.75%			
55) IS2_Naphthalene-d8	7.887	136	112283	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 98.31%			
83) IS2_Acenaphthene-d10	9.651	164	72435	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 98.94%			
98) IS2_Phenanthrene-d10	11.092	188	166745	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 96.56%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.881	105	97066	11.433	ug/ml	96
29) Acetophenone	6.957	105	177152	11.537	ug/ml#	83
30) m-Toluidine	7.057	106	161767	12.388	ug/ml	95
31) 2-Chloroaniline	7.463	127	141228	11.255	ug/ml	98
56) a-Terpineol	7.957	59	117691	12.690	ug/ml#	86
57) 3-Chloroaniline	7.969	65	58293	11.463	ug/ml#	73
58) 2,6-Dichlorophenol	7.998	162	110126	13.089	ug/ml	93
59) 1-chloro-2-nitrobenzene	8.269	111	52979	10.994	ug/ml#	1
60) Caprolactam	8.310	55	68449	13.856	ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	150713	11.657	ug/ml	98
62) Biphenyl	9.104	154	306877	12.132	ug/ml	99
84) Dichloran	10.792	206	49912	14.401	ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	54100	12.869	ug/ml#	76
99) Diphenamid	12.004	167	247915	13.177	ug/ml	83

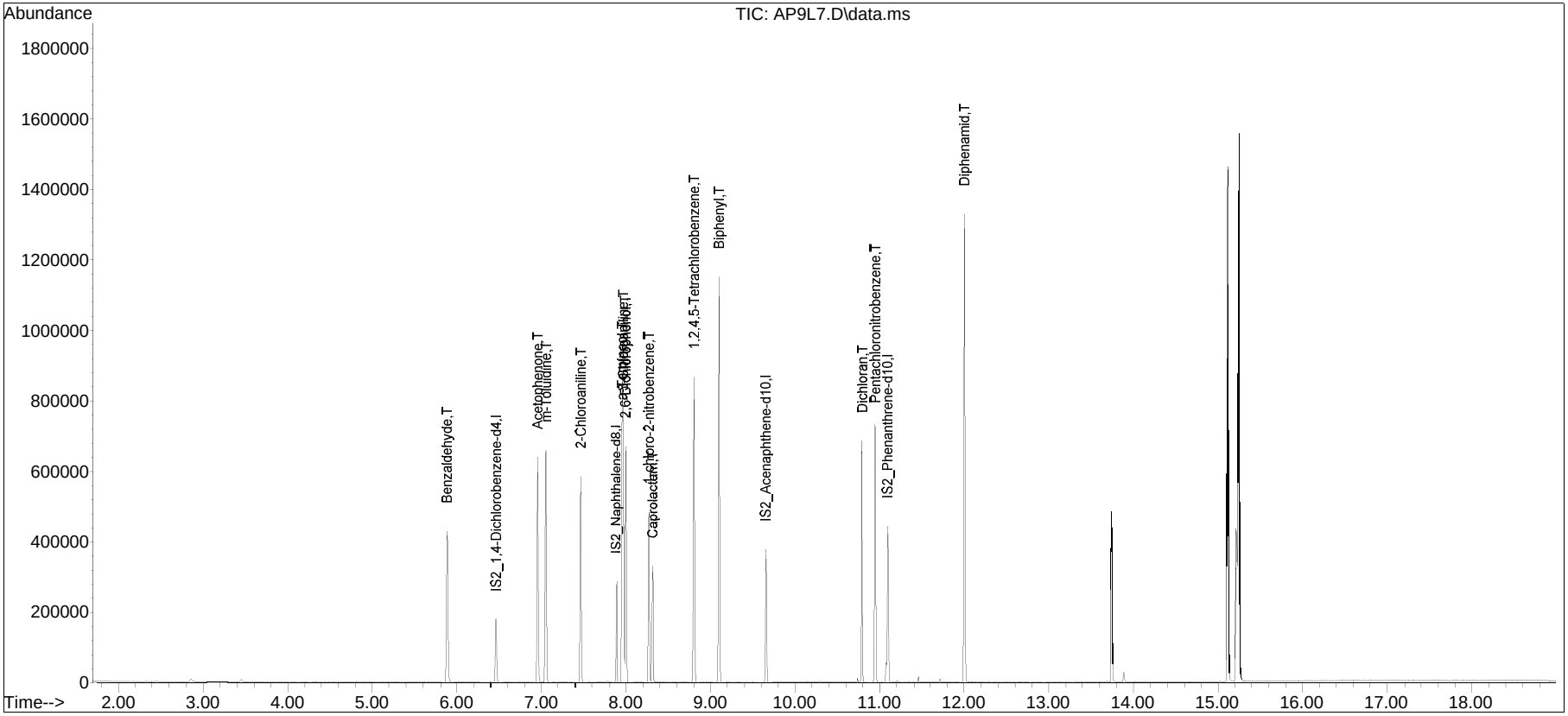
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L7.D
Acq On : 24 Jun 2024 9:16 pm
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939040
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 06:08:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L7.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 9:16 pm	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L6.D
Acq On : 24 Jun 2024 9:40 pm
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939040
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 06:08:29 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.463	152	32042	4.000 ug/ml	0.00
Standard Area 1 = 32042			Recovery =	100.00%	
55) IS2_Naphthalene-d8	7.886	136	114213	4.000 ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	100.00%	
83) IS2_Acenaphthene-d10	9.651	164	73214	4.000 ug/ml	0.00
Standard Area 1 = 73214			Recovery =	100.00%	
98) IS2_Phenanthrene-d10	11.092	188	172677	4.000 ug/ml	0.00
Standard Area 1 = 172677			Recovery =	100.00%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	5.887	105	46979	5.354 ug/ml	97
29) Acetophenone	6.957	105	85554	5.391 ug/ml#	84
30) m-Toluidine	7.057	106	77680	5.755 ug/ml	98
31) 2-Chloroaniline	7.463	127	67462	5.202 ug/ml	98
56) a-Terpineol	7.957	59	56477	5.987 ug/ml#	86
57) 3-Chloroaniline	7.969	65	28437	5.498 ug/ml#	72
58) 2,6-Dichlorophenol	7.998	162	53425	6.243 ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	26468	5.400 ug/ml#	1
60) Caprolactam	8.304	55	32080	6.384 ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	75712	5.757 ug/ml#	96
62) Biphenyl	9.104	154	151430	5.885 ug/ml	99
84) Dichloran	10.792	206	24006	6.853 ug/ml#	65
85) Pentachloronitrobenzene	10.939	237	26571	6.253 ug/ml#	76
99) Diphenamid	12.004	167	122990	6.313 ug/ml	82

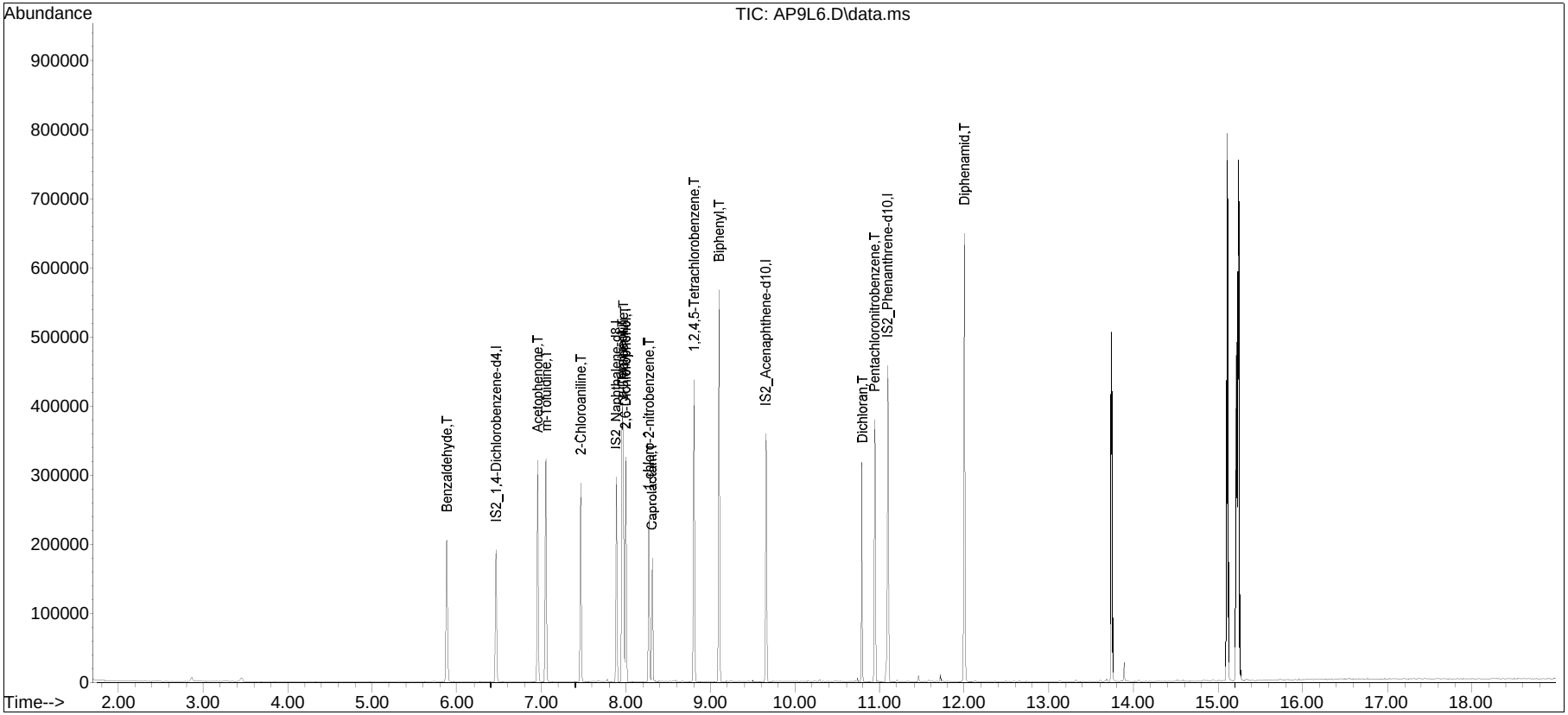
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L6.D
Acq On : 24 Jun 2024 9:40 pm
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939040
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 06:08:29 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L6.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 9:40 pm	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L5.D
Acq On : 24 Jun 2024 10:04 pm
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939040
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 06:08:02 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	31187	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 97.33%			
55) IS2_Naphthalene-d8	7.887	136	111550	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 97.67%			
83) IS2_Acenaphthene-d10	9.651	164	71188	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 97.23%			
98) IS2_Phenanthrene-d10	11.092	188	161108	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 93.30%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	23076	2.702	ug/ml	99
29) Acetophenone	6.957	105	41556	2.690	ug/ml#	84
30) m-Toluidine	7.057	106	37833	2.880	ug/ml	95
31) 2-Chloroaniline	7.463	127	33265	2.635	ug/ml	96
56) a-Terpineol	7.957	59	27669	3.003	ug/ml#	86
57) 3-Chloroaniline	7.969	65	13967	2.765	ug/ml#	71
58) 2,6-Dichlorophenol	7.998	162	25265	3.023	ug/ml	91
59) 1-chloro-2-nitrobenzene	8.269	111	12518	2.615	ug/ml#	1
60) Caprolactam	8.298	55	14825	3.021	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	37037	2.884	ug/ml#	94
62) Biphenyl	9.104	154	73701	2.933	ug/ml	99
84) Dichloran	10.792	206	10305	3.025	ug/ml#	67
85) Pentachloronitrobenzene	10.939	237	11593	2.806	ug/ml#	77
99) Diphenamid	12.004	167	54877	3.019	ug/ml	83

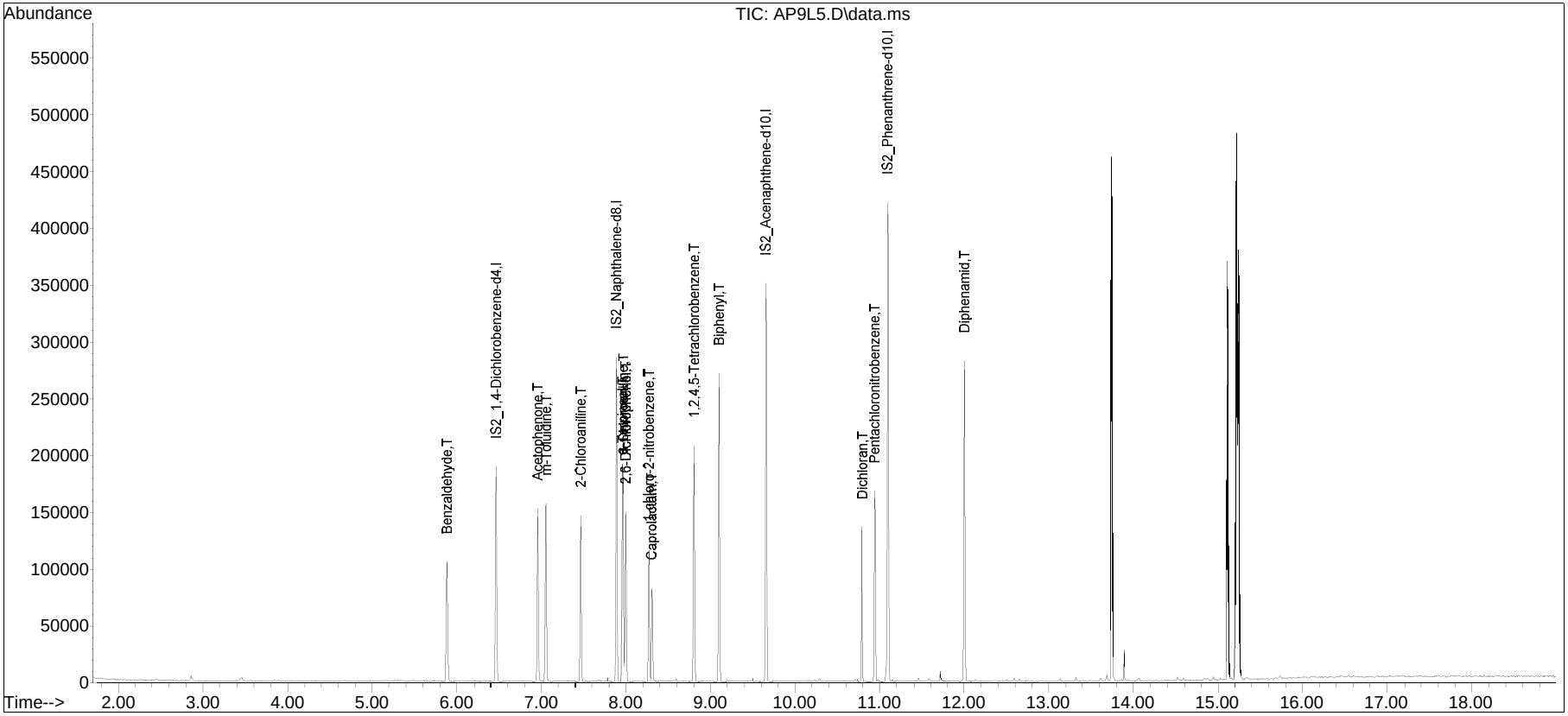
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L5.D
Acq On : 24 Jun 2024 10:04 pm
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939040
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 06:08:02 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L5.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:04 pm	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L4.D
Acq On : 24 Jun 2024 10:28 pm
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939040
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 06:07:37 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.463	152	31295	4.000 ug/ml	0.00
Standard Area 1 = 32042			Recovery = 97.67%		
55) IS2_Naphthalene-d8	7.887	136	111566	4.000 ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 97.68%		
83) IS2_Acenaphthene-d10	9.651	164	68179	4.000 ug/ml	0.00
Standard Area 1 = 73214			Recovery = 93.12%		
98) IS2_Phenanthrene-d10	11.092	188	160802	4.000 ug/ml	0.00
Standard Area 1 = 172677			Recovery = 93.12%		
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	5.887	105	9257	1.080 ug/ml	97
29) Acetophenone	6.957	105	17120	1.105 ug/ml#	86
30) m-Toluidine	7.057	106	15619	1.185 ug/ml	91
31) 2-Chloroaniline	7.463	127	12926	1.020 ug/ml	96
56) a-Terpineol	7.957	59	10854	1.178 ug/ml#	84
57) 3-Chloroaniline	7.969	65	5581	1.105 ug/ml#	70
58) 2,6-Dichlorophenol	7.998	162	9965	1.192 ug/ml	93
59) 1-chloro-2-nitrobenzene	8.269	111	5017	1.048 ug/ml#	1
60) Caprolactam	8.298	55	5985	1.219 ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	15172	1.181 ug/ml	94
62) Biphenyl	9.104	154	30504	1.214 ug/ml	97
84) Dichloran	10.792	206	3743	1.147 ug/ml#	70
85) Pentachloronitrobenzene	10.939	237	4753	1.201 ug/ml#	74
99) Diphenamid	12.004	167	22624	1.247 ug/ml#	82

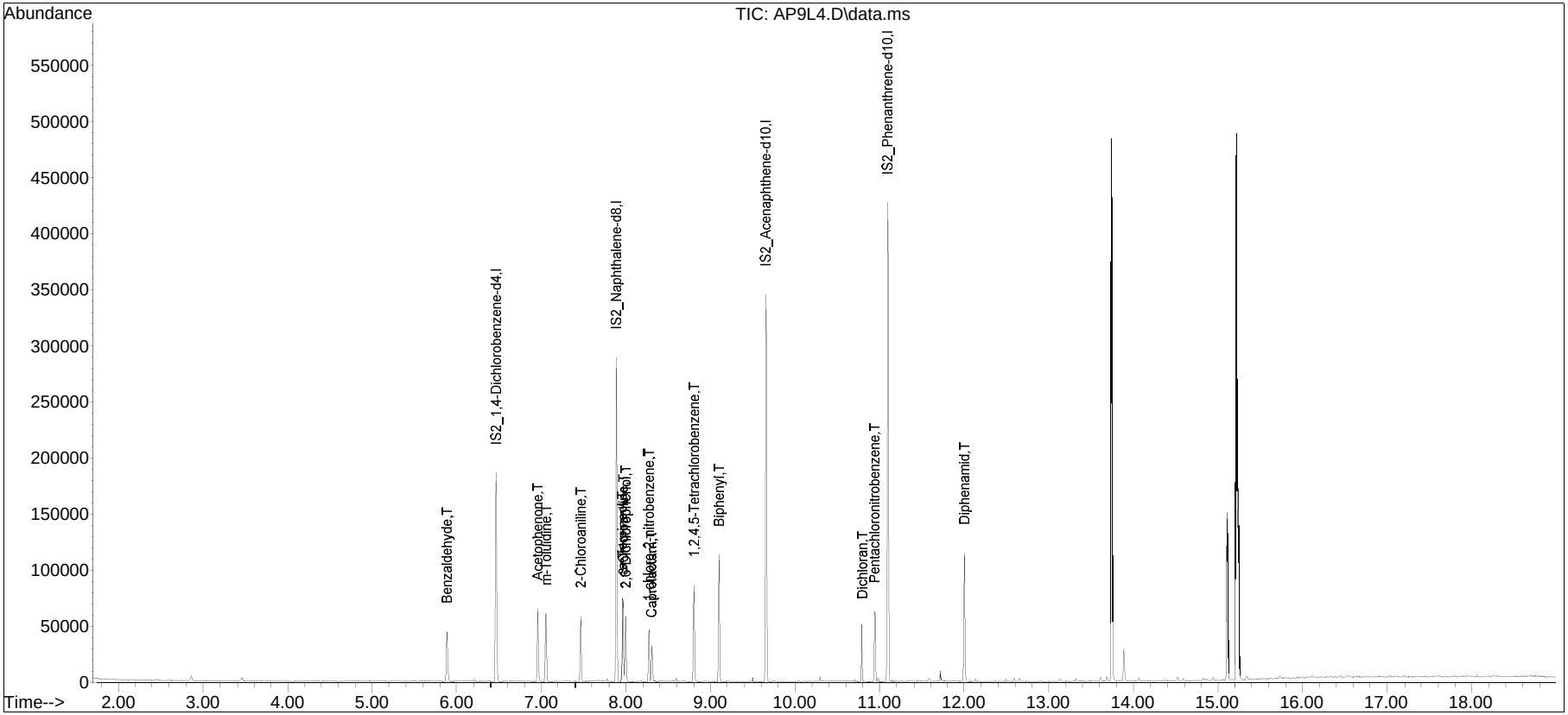
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L4.D
Acq On : 24 Jun 2024 10:28 pm
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939040
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 06:07:37 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L4.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:28 pm	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L3.D
Acq On : 24 Jun 2024 10:52 pm
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939040
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 06:07:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	32258	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery =	100.67%		
55) IS2_Naphthalene-d8	7.886	136	113710	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	99.56%		
83) IS2_Acenaphthene-d10	9.651	164	71361	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery =	97.47%		
98) IS2_Phenanthrene-d10	11.092	188	160057	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery =	92.69%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	4894	0.554	ug/ml	95
29) Acetophenone	6.957	105	8612	0.539	ug/ml#	86
30) m-Toluidine	7.057	106	7488	0.551	ug/ml	95
31) 2-Chloroaniline	7.463	127	7306	0.560	ug/ml	98
56) a-Terpineol	7.957	59	5447	0.580	ug/ml#	80
57) 3-Chloroaniline	7.969	65	2881	0.559	ug/ml	78
58) 2,6-Dichlorophenol	7.998	162	4821	0.566	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.269	111	2709	0.555	ug/ml#	1
60) Caprolactam	8.298	55	3021	0.604	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	8.804	216	8224	0.628	ug/ml	91
62) Biphenyl	9.104	154	15925	0.622	ug/ml	98
84) Dichloran	10.792	206	1945	0.570	ug/ml#	57
85) Pentachloronitrobenzene	10.939	237	2070	0.500	ug/ml#	77
99) Diphenamid	12.004	167	11803	0.654	ug/ml#	81

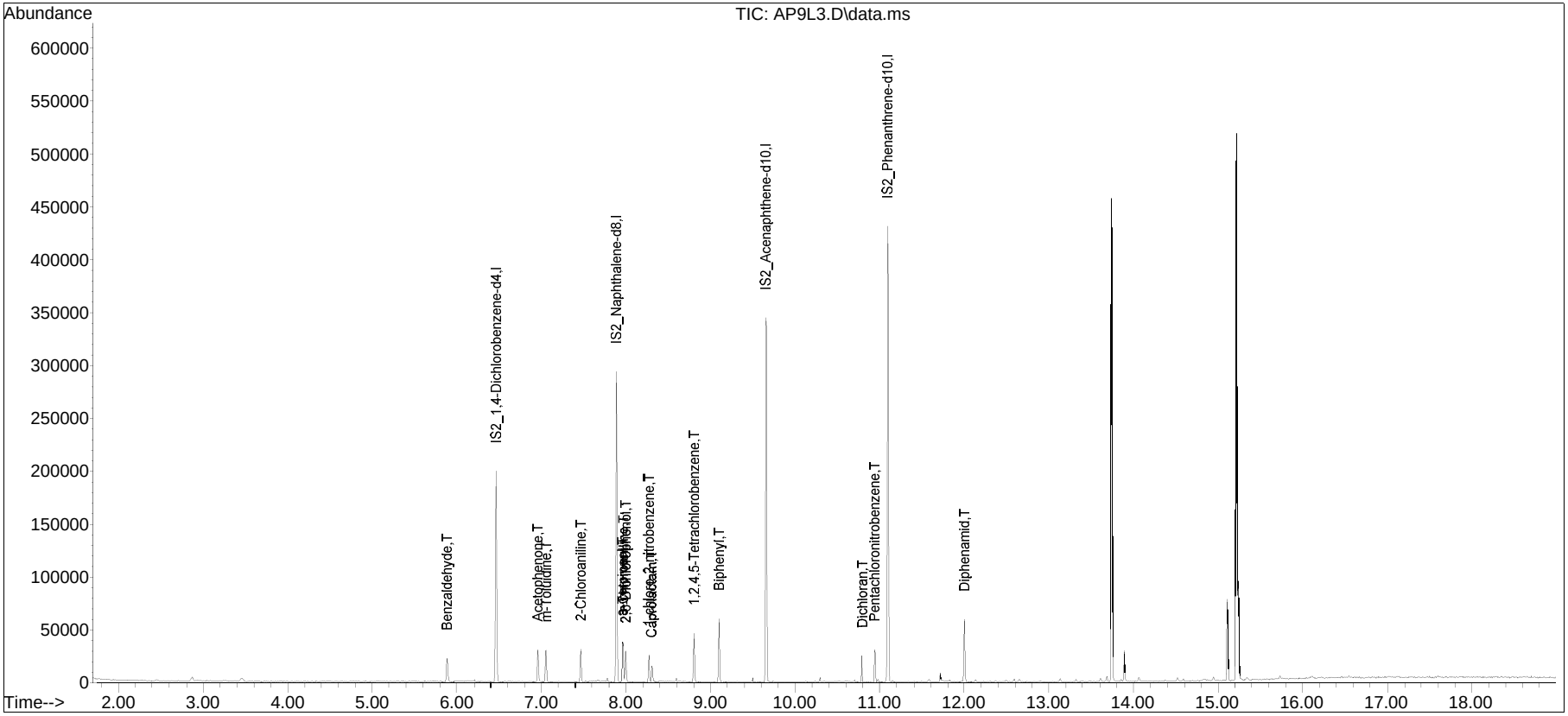
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L3.D
Acq On : 24 Jun 2024 10:52 pm
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939040
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 06:07:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L3.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:52 pm	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L2.D
Acq On : 24 Jun 2024 11:15 pm
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939040
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 25 06:06:41 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	34135	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 106.53%			
55) IS2_Naphthalene-d8	7.886	136	116946	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 102.39%			
83) IS2_Acenaphthene-d10	9.651	164	72779	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 99.41%			
98) IS2_Phenanthrene-d10	11.092	188	167902	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 97.23%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.893	105	1968	0.211	ug/ml	86
29) Acetophenone	6.963	105	3770	0.223	ug/ml#	94
30) m-Toluidine	7.057	106	3427	0.238	ug/ml	92
31) 2-Chloroaniline	7.463	127	3086	0.223	ug/ml#	90
56) a-Terpineol	7.957	59	2380	0.246	ug/ml#	80
57) 3-Chloroaniline	7.975	65	1094	0.207	ug/ml	80
58) 2,6-Dichlorophenol	7.998	162	2192	0.250	ug/ml	88
59) 1-chloro-2-nitrobenzene	8.269	111	1047	0.209	ug/ml#	1
60) Caprolactam	8.304	55	1022M6	0.199	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.804	216	3410	0.253	ug/ml#	95
62) Biphenyl	9.104	154	6457	0.245	ug/ml	96
84) Dichloran	10.786	206	853	0.245	ug/ml#	57
85) Pentachloronitrobenzene	10.939	237	922	0.218	ug/ml#	72
99) Diphenamid	12.004	167	4675	0.247	ug/ml#	80

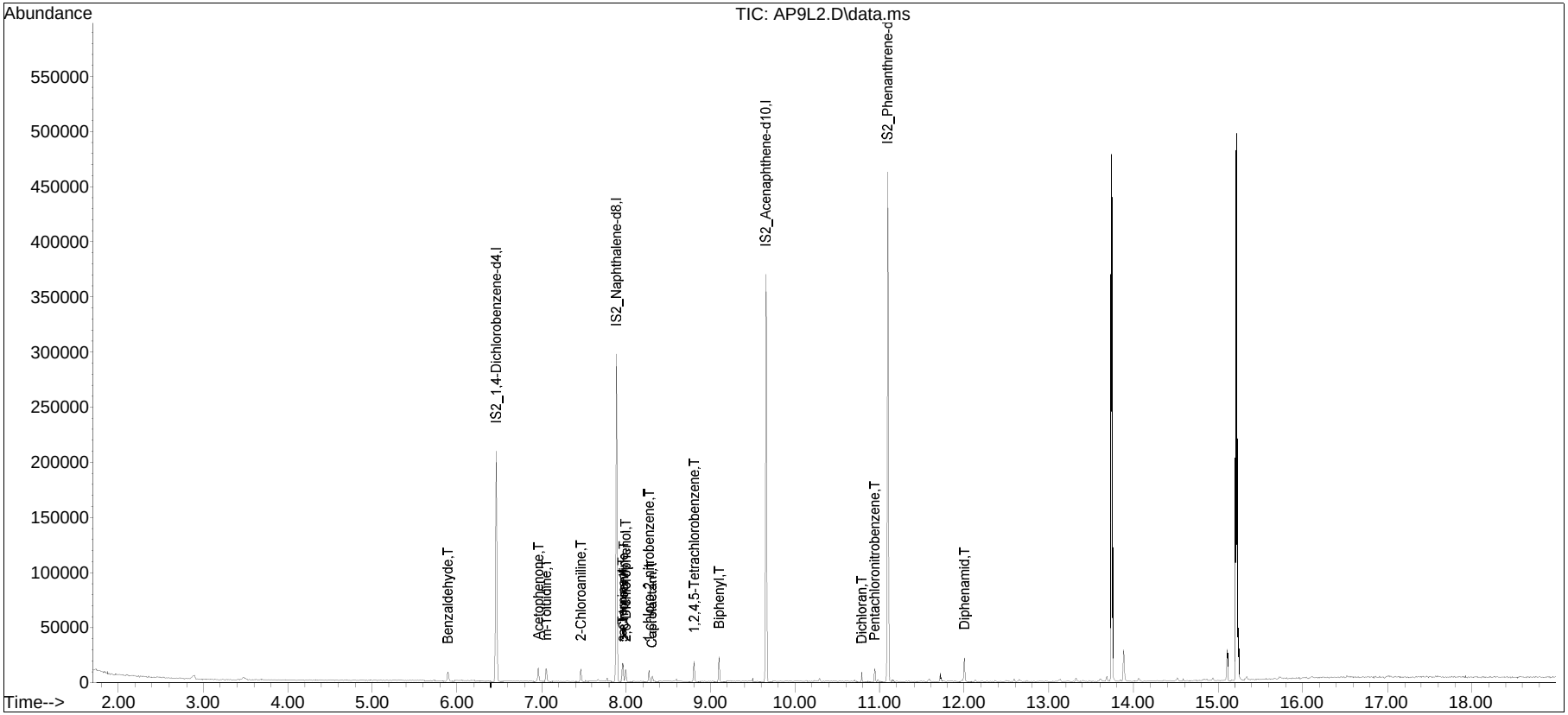
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L2.D
Acq On : 24 Jun 2024 11:15 pm
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939040
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 25 06:06:41 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

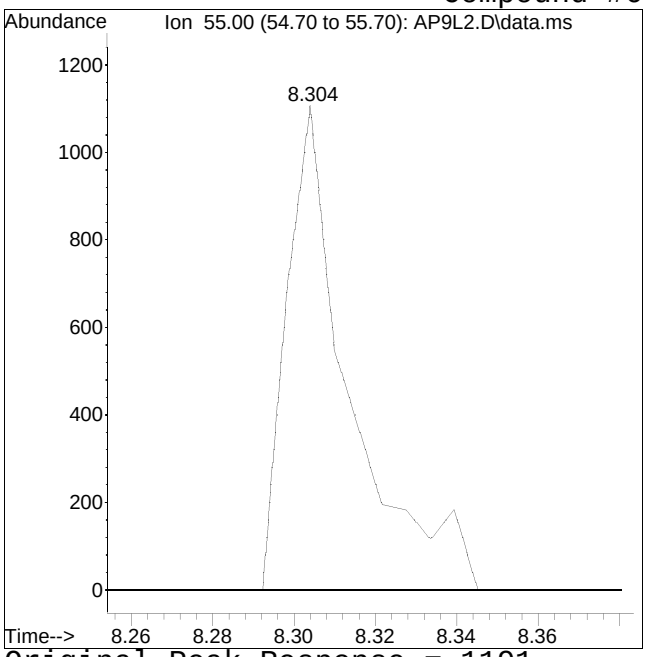
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



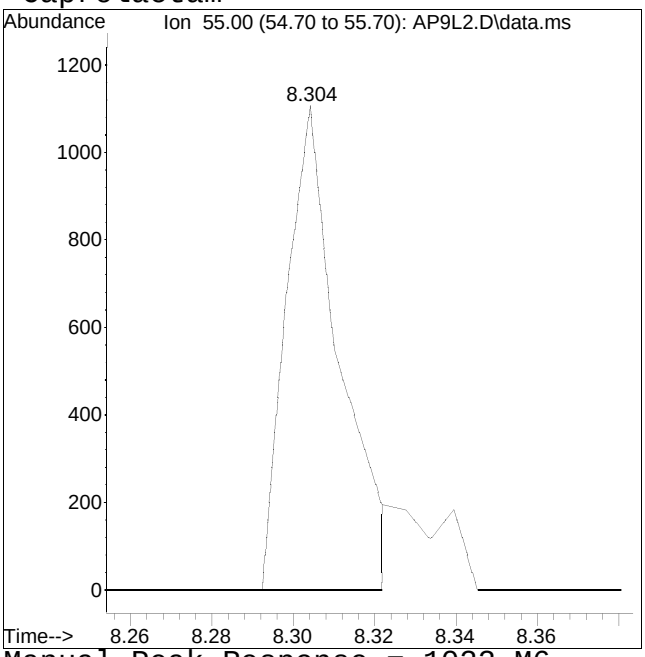
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:15 pm Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 6/25/2024 5:35 am

Compound #60: Caprolactam



Original Peak Response = 1191



Manual Peak Response = 1022 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L1.D
Acq On : 24 Jun 2024 11:39 pm
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939040
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 06:05:40 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	31818	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 99.30%			
55) IS2_Naphthalene-d8	7.886	136	109777	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 96.12%			
83) IS2_Acenaphthene-d10	9.657	164	67656	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 92.41%			
98) IS2_Phenanthrene-d10	11.092	188	150420	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 87.11%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.892	105	884	0.101	ug/ml	84
29) Acetophenone	6.963	105	1595	0.101	ug/ml#	69
30) m-Toluidine	7.057	106	1368	0.102	ug/ml#	89
31) 2-Chloroaniline	7.463	127	1148	0.089	ug/ml#	42
56) a-Terpineol	7.957	59	1085	0.120	ug/ml	93
57) 3-Chloroaniline	7.969	65	555	0.112	ug/ml#	35
58) 2,6-Dichlorophenol	7.998	162	822	0.100	ug/ml#	88
59) 1-chloro-2-nitrobenzene	8.269	111	416M2	0.088	ug/ml	
60) Caprolactam	8.310	55	411M2	0.085	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.804	216	1637	0.130	ug/ml#	87
62) Biphenyl	9.104	154	3108	0.126	ug/ml	94
84) Dichloran	10.786	206	359M2	0.111	ug/ml	
85) Pentachloronitrobenzene	10.939	237	395M2	0.101	ug/ml	
99) Diphenamid	12.004	167	1690	0.100	ug/ml#	81

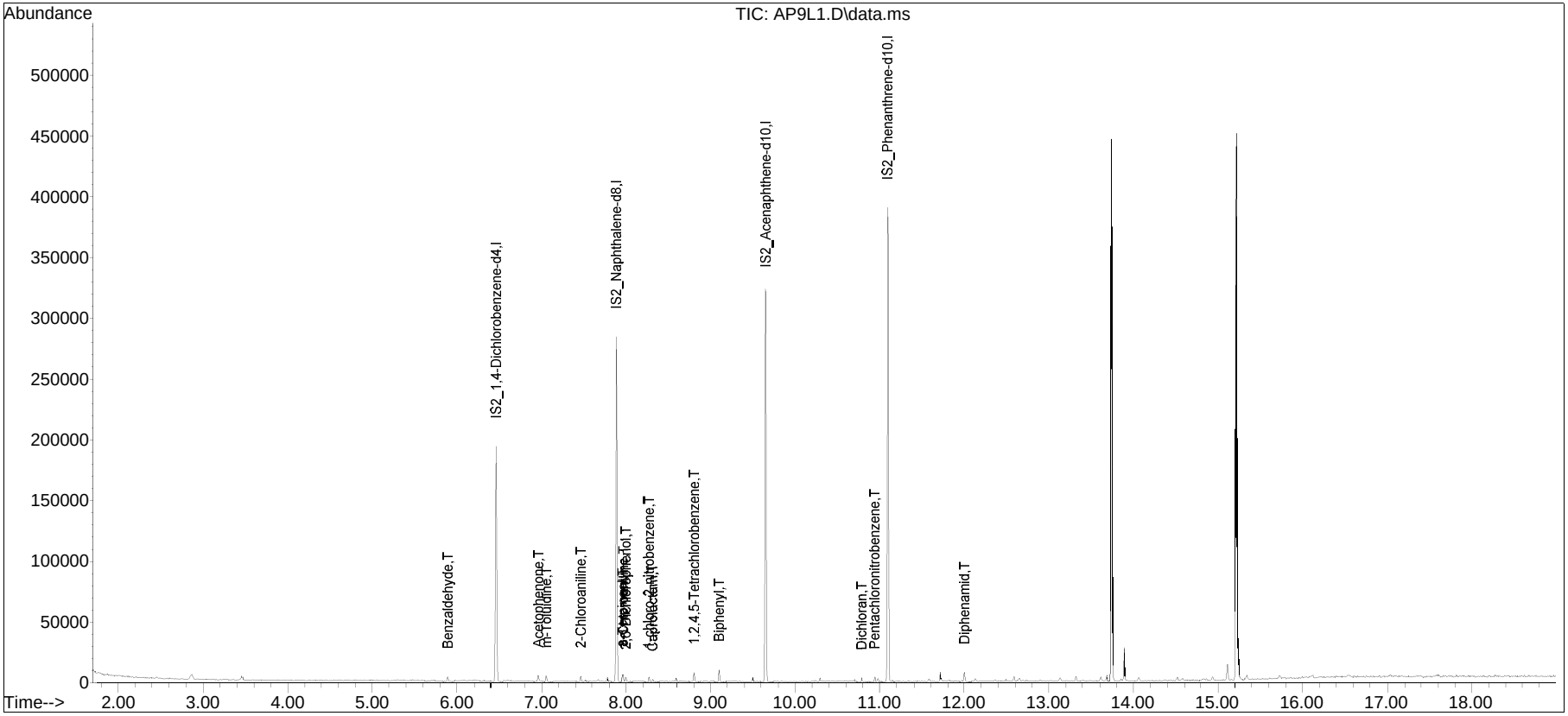
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L1.D
Acq On : 24 Jun 2024 11:39 pm
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939040
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 06:05:40 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

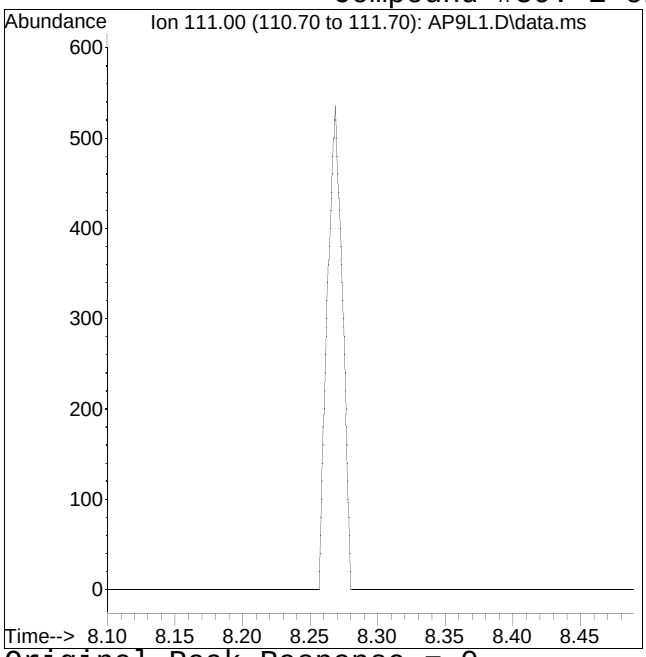
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



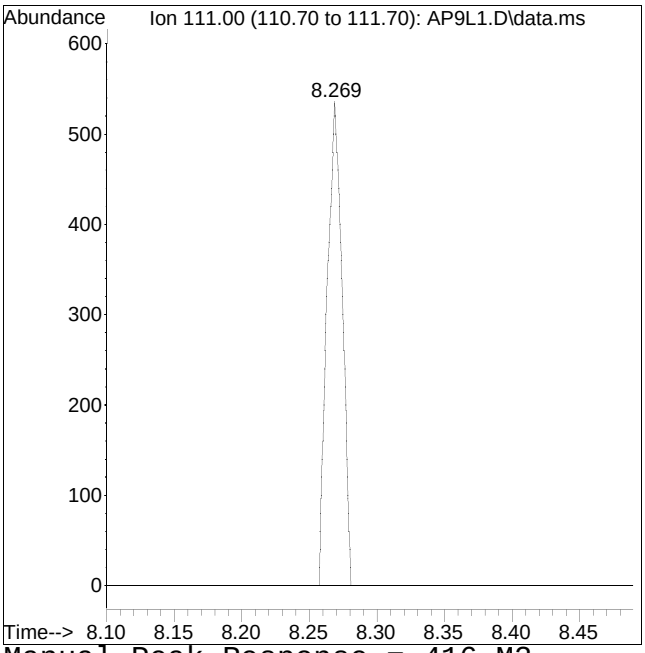
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



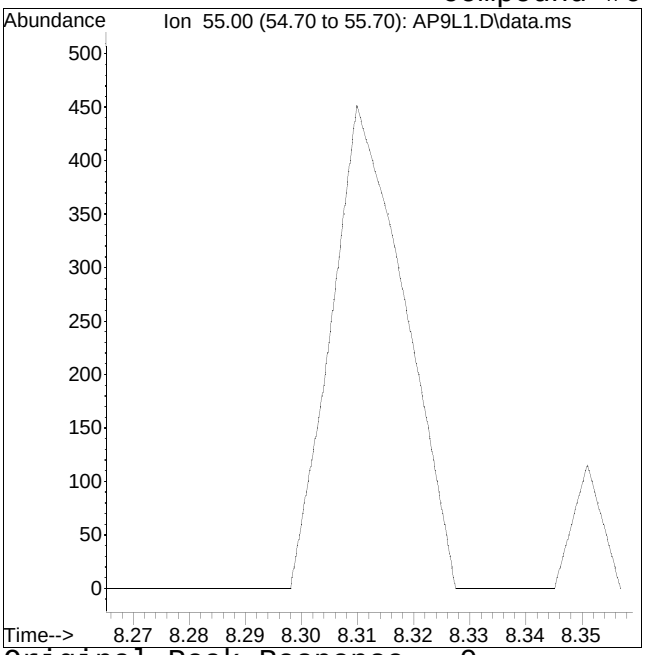
Manual Peak Response = 416 M2

M2 = Peak not found by automatic integration algorithm.

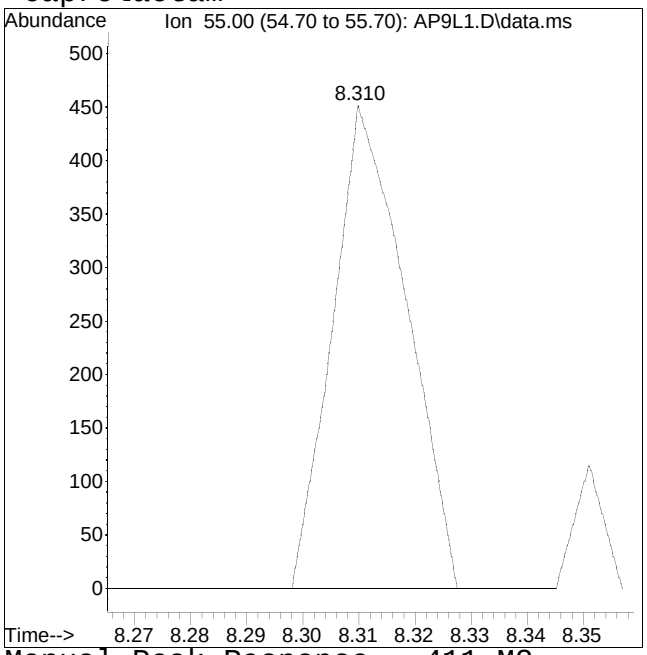
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #60: Caprolactam



Original Peak Response = 0



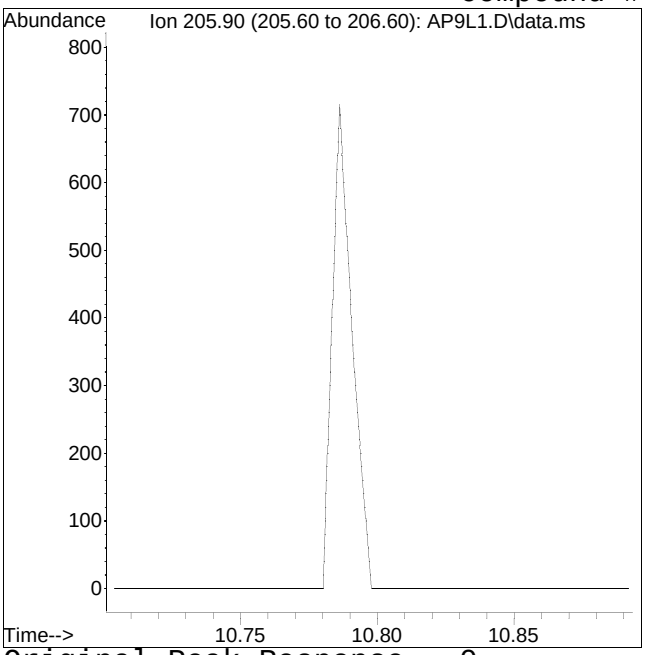
Manual Peak Response = 411 M2

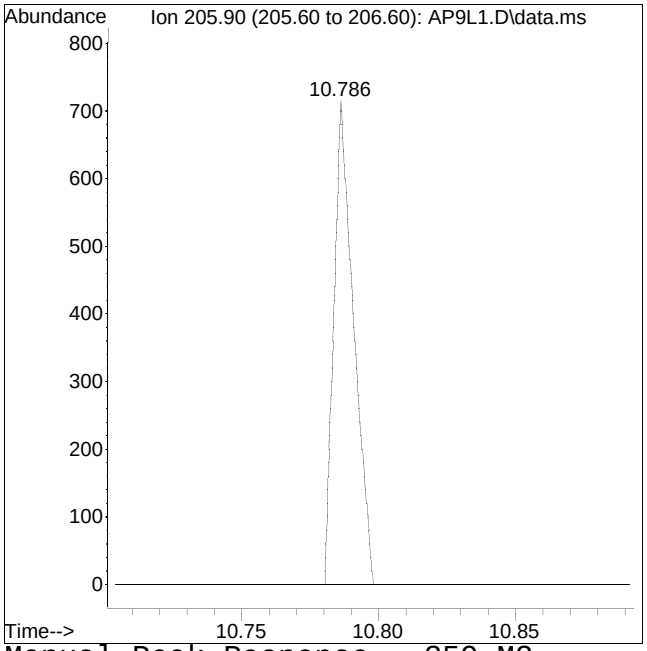
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #84: Dichloran



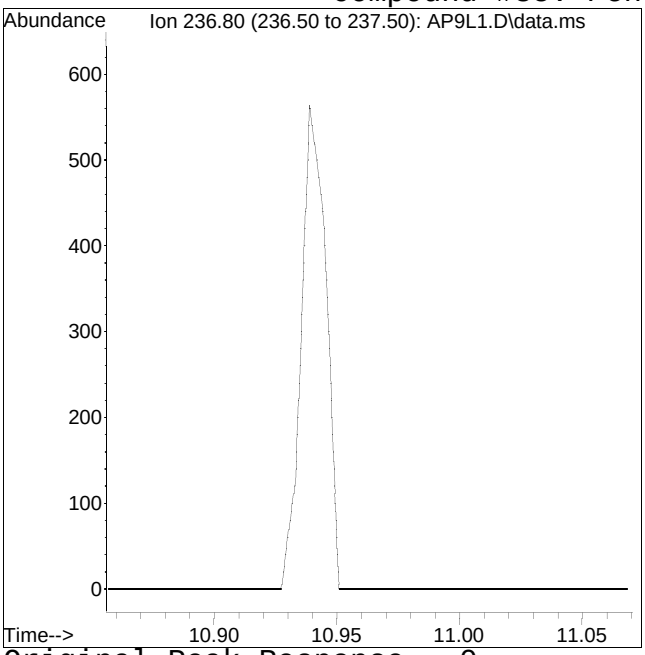


Original Peak Response = 0 Manual Peak Response = 359 M2
M2 = Peak not found by automatic integration algorithm.

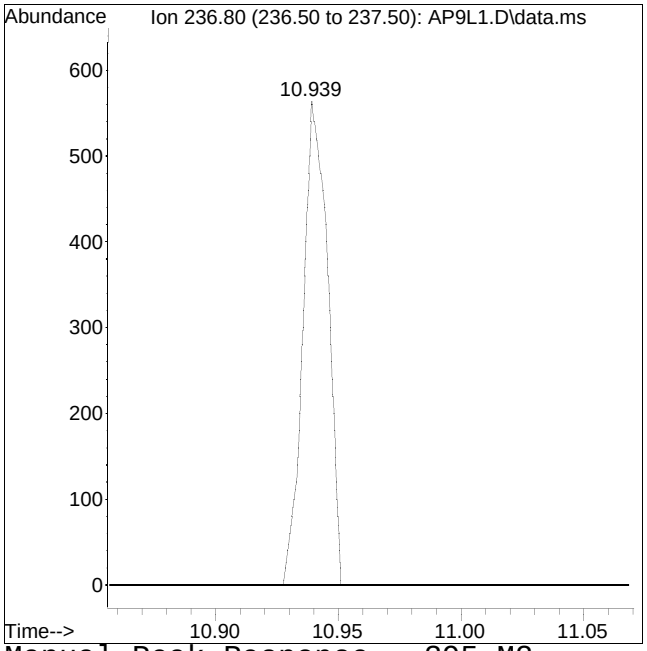
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 395 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
2	t	n-Nitrosodimethylamine		0.851	0.816	4.1	97	-0.02
3	t	Pyridine		1.392	1.335	4.1	96	-0.02
4	S	2-Fluorophenol		1.156	1.067	7.7	91	-0.01
5	T	Aniline		2.049	1.842	10.1	91	0.00
6	t	2-Chlorophenol		1.288	1.197	7.1	96	0.00
7	S	Phenol-d6		1.583	1.468	7.3	96	0.00
8	T	Phenol		1.642	1.549	5.7	96	0.00
9	T	Bis(2-chloroethyl)ether		1.348	1.264	6.2	95	0.00
10	T	1,3-Dichlorobenzene		1.546	1.411	8.7	93	0.00
11	T	1,4-Dichlorobenzene		1.565	1.483	5.2	98	0.00
12	T	1,2-Dichlorobenzene		1.522	1.374	9.7	93	0.00
13	t	Benzyl alcohol		1.267	1.198	5.4	95	0.00
14	T	Bis(2-chloroisopropyl)ether		2.166	2.053	5.2	98	0.00
15	T	2-Methylphenol		1.183	1.086	8.2	92	0.00
16	T	Hexachloroethane		0.623	0.570	8.5	97	0.00
17	T	n-Nitrosodi-n-propylamine		1.057	1.014	4.1	94	0.00
18	T	3-Methylphenol/4-Methylphen		1.279	1.202	6.0	96	0.00
19	S	Nitrobenzene-d5		1.619	1.489	8.0	95	0.00
20	T	Nitrobenzene		1.643	1.519	7.5	96	0.00
21	T	Isophorone		2.760	2.659	3.7	94	0.00
22	T	2-Nitrophenol		0.692	0.662	4.3	95	0.00
23	T	2,4-Dimethylphenol		1.301	1.126	13.5	88	0.00
24	T	Bis(2-chloroethoxy)methane		1.778	1.670	6.1	96	0.00
25	T	2,4-Dichlorophenol		1.233	1.197	2.9	96	0.00
26	T	1,2,4-Trichlorobenzene		1.510	1.365	9.6	96	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	96	0.00
36	T	Naphthalene		1.147	1.016	11.4	97	0.00
37	T	Benzoic Acid	*	5.000	4.412	11.8	90	0.00
38	T	4-Chloroaniline		0.169	0.157	7.1	96	0.00
39	T	Hexachlorobutadiene		0.303	0.263	13.2	97	0.00
40	T	p-Chloro-m-cresol		0.343	0.327	4.7	98	0.00
41	T	2-Methylnaphthalene		0.764	0.705	7.7	98	0.00
42	T	1-Methylnaphthalene		0.290	0.267	7.9	97	0.00
43	T	Hexachlorocyclopentadiene		0.336	0.313	6.8	97	0.00
44	T	2,4,6-Trichlorophenol		0.301	0.284	5.6	97	0.00
45	T	2,4,5-Trichlorophenol		0.322	0.310	3.7	96	0.00
46	S	2-Fluorobiphenyl		1.027	0.935	9.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.813	0.749	7.9	98	0.00
48	T	2-Nitroaniline	0.245	0.239	2.4	99	0.00
49	T	1,4-Dinitrobenzene	0.129	0.126	2.3	100	0.00
50	T	1,3-Dinitrobenzene	0.147	0.143	2.7	97	0.00
51	T	Dimethyl phthalate	0.989	0.951	3.8	99	0.00
52	T	Acenaphthylene	1.244	1.209	2.8	100	0.00
53	T	2,6-Dinitrotoluene	0.213	0.205	3.8	96	0.00
54	T	1,2-Dinitrobenzene	0.091	0.085	6.6	92	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
64	T	3-Nitroaniline	0.319	0.328	-2.8	99	0.00
65	T	Acenaphthene	1.153	1.072	7.0	98	0.00
66	T	2,4-Dinitrophenol	0.213	0.204	4.2	91	0.00
67	T	Dibenzofuran	1.936	1.758	9.2	97	0.00
68	T	2,4-Dinitrotoluene	0.475	0.449	5.5	93	0.00
69	T	4-Nitrophenol	0.323	0.320	0.9	100	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.452	0.456	-0.9	100	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.435	0.446	-2.5	99	0.00
72	T	Diethyl phthalate	1.529	1.455	4.8	100	0.00
73	T	Fluorene	1.523	1.420	6.8	97	0.00
74	T	4-Chlorophenyl phenyl ether	0.801	0.756	5.6	103	0.00
75	T	4-Nitroaniline	0.333	0.319	4.2	99	0.00
76	T	4,6-Dinitro-o-cresol	0.266	0.288	-8.3	99	0.00
77	T	NDPA/DPA	1.263	1.194	5.5	96	0.00
78	T	Azobenzene	1.446	1.375	4.9	98	0.00
79	S	2,4,6-Tribromophenol	0.249	0.254	-2.0	100	0.00
80	T	4-Bromophenyl phenyl ether	0.500	0.473	5.4	100	0.00
81	T	Hexachlorobenzene	0.569	0.516	9.3	98	0.00
82	T	Pentachlorophenol	0.361	0.378	-4.7	98	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	99	0.00
89	T	Phenanthrene	1.117	0.986	11.7	98	0.00
90	T	Anthracene	1.111	1.025	7.7	99	0.00
91	T	Carbazole	1.018	0.940	7.7	100	0.00
92	T	Di-n-butylphthalate	1.195	1.135	5.0	100	0.00
93	T	Fluoranthene	1.366	1.247	8.7	100	0.00
94	T	Benzidine	0.741	0.742	-0.1	100	0.00
95	T	Pyrene	1.440	1.328	7.8	101	0.00
96	S	4-Terphenyl-d14	1.076	0.986	8.4	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.550	0.505	8.2	99	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	98	0.00
105	T	Benzo(a)anthracene	1.478	1.321	10.6	99	0.00
106	T	3,3'-Dichlorobenzidine	0.489	0.482	1.4	97	0.00
107	T	Chrysene	1.429	1.262	11.7	99	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.817	0.794	2.8	98	0.00
109	T	Di-n-octylphthalate	1.352	1.323	2.1	100	0.00
110	T	Benzo(b)fluoranthene	1.430	1.320	7.7	105	0.00
111	T	Benzo(k)fluoranthene	1.356	1.212	10.6	94	0.00
112	T	Benzo(a)pyrene	1.242	1.190	4.2	101	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.082	1.059	2.1	99	0.00
115	T	Dibenzo(a,h)anthracene	1.042	1.042	0.0	102	0.00
116	T	Benzo(ghi)perylene	0.964	0.989	-2.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	31737	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 92.23%			
35) IS1_Naphthalene-d8	7.886	136	116701	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 96.31%			
63) IS1_Acenaphthene-d10	9.657	164	76011	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.70%			
88) IS1_Phenanthrene-d10	11.092	188	173714	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 98.62%			
104) IS1_Chrysene-d12	13.739	240	171631	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 98.24%			
113) IS1_Perylene-d12	15.215	264	190344	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.35%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.557	112	42312	4.613	ug/ml	-0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 230.65%#			
7) Phenol-d6	6.092	99	58244	4.638	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 231.90%#			
19) Nitrobenzene-d5	7.116	82	59067	4.599	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 459.90%#			
46) 2-Fluorobiphenyl	9.016	172	136405	4.552	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 455.20%#			
79) 2,4,6-Tribromophenol	10.427	330	24098	5.087	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.35%#			
96) 4-Terphenyl-d14	12.680	244	214054	4.583	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 458.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.128	74	32356	4.791	ug/ml#	70
3) Pyridine	2.163	79	52962	4.794	ug/ml#	65
5) Aniline	6.051	93	73085	4.497	ug/ml	100
6) 2-Chlorophenol	6.198	128	47473	4.646	ug/ml	98
8) Phenol	6.104	94	61436	4.716	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	50154	4.688	ug/ml#	74
10) 1,3-Dichlorobenzene	6.386	146	55987	4.563	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	58849	4.740	ug/ml	98
12) 1,2-Dichlorobenzene	6.663	146	54515	4.514	ug/ml	98
13) Benzyl alcohol	6.669	79	47507	4.724	ug/ml	94
14) Bis(2-chloroisopropyl)...	6.845	45	81450	4.739	ug/ml#	59

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	43064	4.590	ug/ml	97
16) Hexachloroethane	7.051	117	22610	4.576	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.992	70	40232	4.798	ug/ml#	89
18) 3-Methylphenol/4-Methy...	7.028	108	47704	4.701	ug/ml	100
20) Nitrobenzene	7.139	77	60250	4.621	ug/ml	93
21) Isophorone	7.416	82	105479	4.816	ug/ml	94
22) 2-Nitrophenol	7.498	139	26262	4.785	ug/ml#	92
23) 2,4-Dimethylphenol	7.598	107	44685	4.327	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.692	93	66268	4.698	ug/ml	98
25) 2,4-Dichlorophenol	7.763	162	47496	4.855	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.845	180	54145	4.519	ug/ml	96
36) Naphthalene	7.910	128	148264	4.432	ug/ml	99
37) Benzoic Acid	7.686	105	35144	4.412	ug/ml	98
38) 4-Chloroaniline	7.992	65	22958	4.655	ug/ml	88
39) Hexachlorobutadiene	8.080	225	38426	4.352	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	47677	4.769	ug/ml	96
41) 2-Methylnaphthalene	8.627	142	102902	4.615	ug/ml	94
42) 1-Methylnaphthalene	8.722	115	38995	4.606	ug/ml	84
43) Hexachlorocyclopentadiene	8.810	237	45649	4.661	ug/ml	99
44) 2,4,6-Trichlorophenol	8.927	196	41492	4.732	ug/ml	96
45) 2,4,5-Trichlorophenol	8.957	196	45219	4.816	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	109202	4.606	ug/ml	96
48) 2-Nitroaniline	9.222	138	34832	4.876	ug/ml	98
49) 1,4-Dinitrobenzene	9.357	168	18421	4.900	ug/ml	88
50) 1,3-Dinitrobenzene	9.427	168	20889	4.876	ug/ml#	1
51) Dimethyl phthalate	9.427	163	138787	4.810	ug/ml#	99
52) Acenaphthylene	9.510	152	176343	4.859	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	29955	4.822	ug/ml	89
54) 1,2-Dinitrobenzene	9.510	168	12362	4.666	ug/ml#	1
64) 3-Nitroaniline	9.622	138	31209	5.142	ug/ml	92
65) Acenaphthene	9.686	154	101856	4.650	ug/ml	90
66) 2,4-Dinitrophenol	9.727	184	19408	4.789	ug/ml	91
67) Dibenzofuran	9.857	168	167081	4.541	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	42694	4.732	ug/ml	94
69) 4-Nitrophenol	9.816	65	30360	4.940	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	9.945	232	43280	5.037	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.992	232	42390	5.129	ug/ml	98
72) Diethyl phthalate	10.122	149	138268	4.757	ug/ml	99
73) Fluorene	10.192	166	134876	4.662	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.210	204	71803	4.715	ug/ml	88

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.216	138	30300	4.795	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.251	198	27327	5.403	ug/ml#	65
77)	NDPA/DPA	10.327	169	113489	4.730	ug/ml	96
78)	Azobenzene	10.357	77	130690	4.756	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.680	248	44914	4.727	ug/ml#	86
81)	Hexachlorobenzene	10.733	284	49006	4.535	ug/ml#	81
82)	Pentachlorophenol	10.927	266	35912	5.232	ug/ml	96
89)	Phenanthrene	11.116	178	214102	4.413	ug/ml	99
90)	Anthracene	11.169	178	222491	4.612	ug/ml	99
91)	Carbazole	11.333	167	204021	4.616	ug/ml	99
92)	Di-n-butylphthalate	11.727	149	246456	4.748	ug/ml	100
93)	Fluoranthene	12.274	202	270824	4.566	ug/ml#	91
94)	Benzidine	12.427	184	161127	5.004	ug/ml#	94
95)	Pyrene	12.492	202	288357	4.612	ug/ml	99
97)	Butyl benzyl phthalate	13.210	149	109619	4.588	ug/ml	95
105)	Benzo(a)anthracene	13.733	228	283411	4.469	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.733	252	103514	4.933	ug/ml#	96
107)	Chrysene	13.768	228	270744	4.416	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.851	149	170402	4.860	ug/ml#	95
109)	Di-n-octylphthalate	14.533	149	283833	4.891	ug/ml#	75
110)	Benzo(b)fluoranthene	14.845	252	283245	4.615	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	259962	4.468	ug/ml#	91
112)	Benzo(a)pyrene	15.156	252	255240	4.791	ug/ml#	90
114)	Indeno(1,2,3-cd)pyrene	16.198	276	251892M6	4.892	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	248022	5.004	ug/ml#	87
116)	Benzo(ghi)perylene	16.456	276	235381	5.131	ug/ml#	82

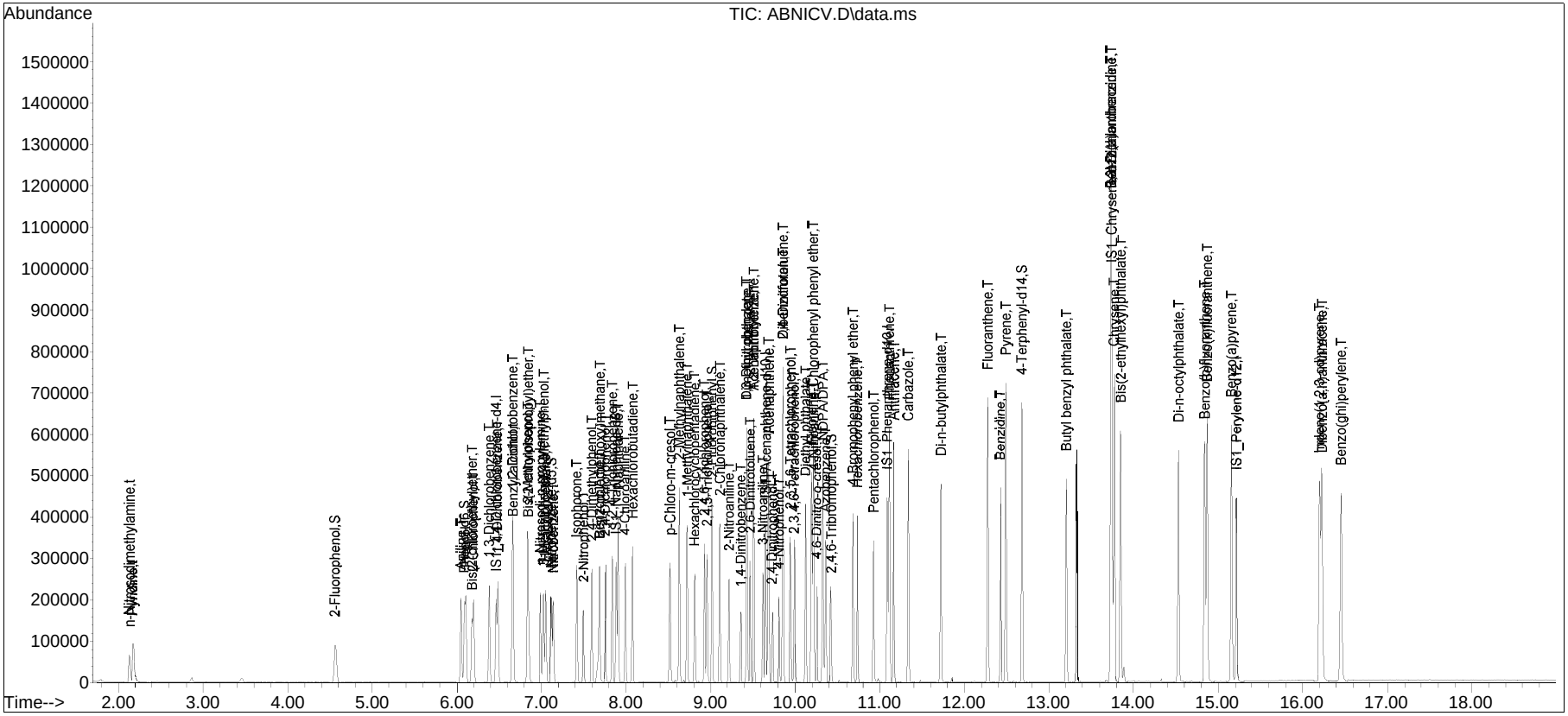
(#) = qualifier out of range (m) = manual integration (+) = signals summed

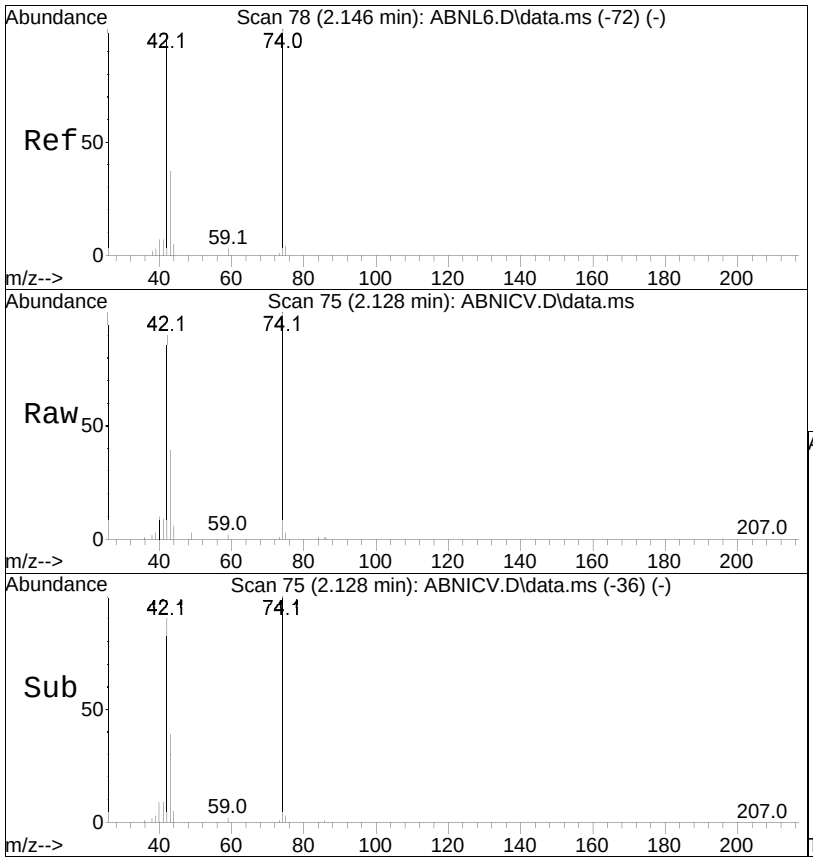
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

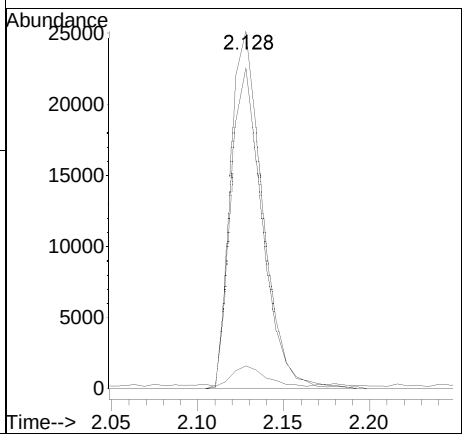


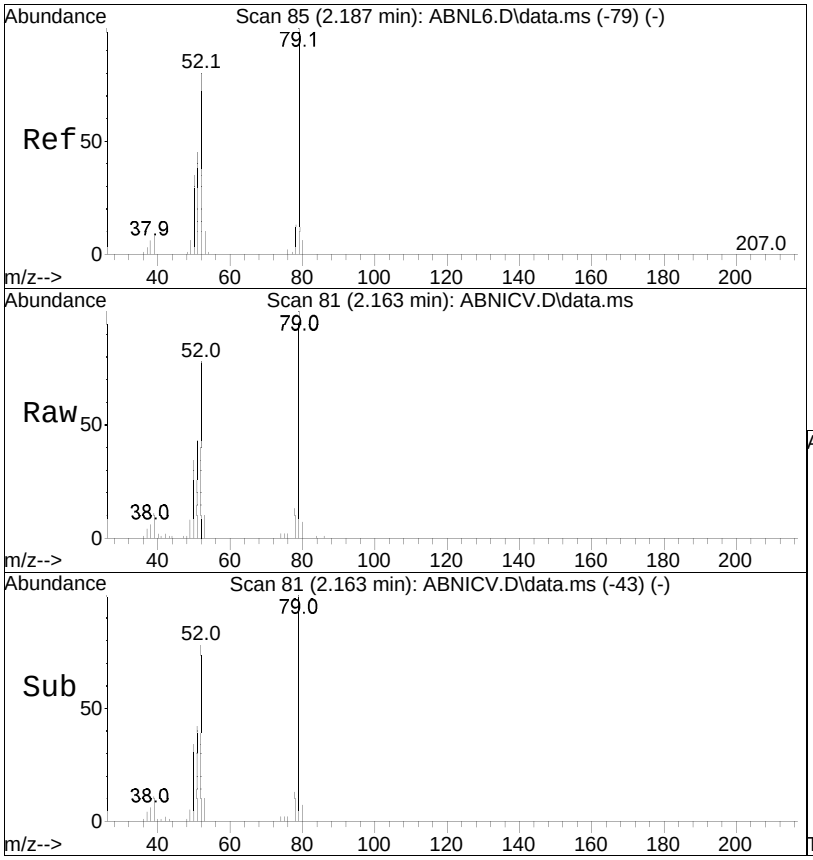


#2
n-Nitrosodimethylamine
Concen: 4.79 ug/ml
RT: 2.128 min Scan# 75
Delta R.T. -0.018 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 74 Resp: 32356

Ion	Ratio	Lower	Upper
74	100		
42	89.0	100.0	150.0#
44	5.8	6.7	10.1#

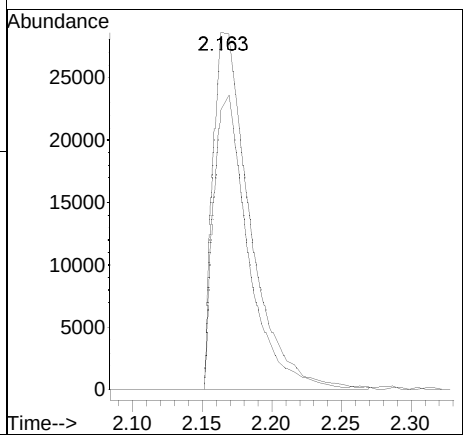


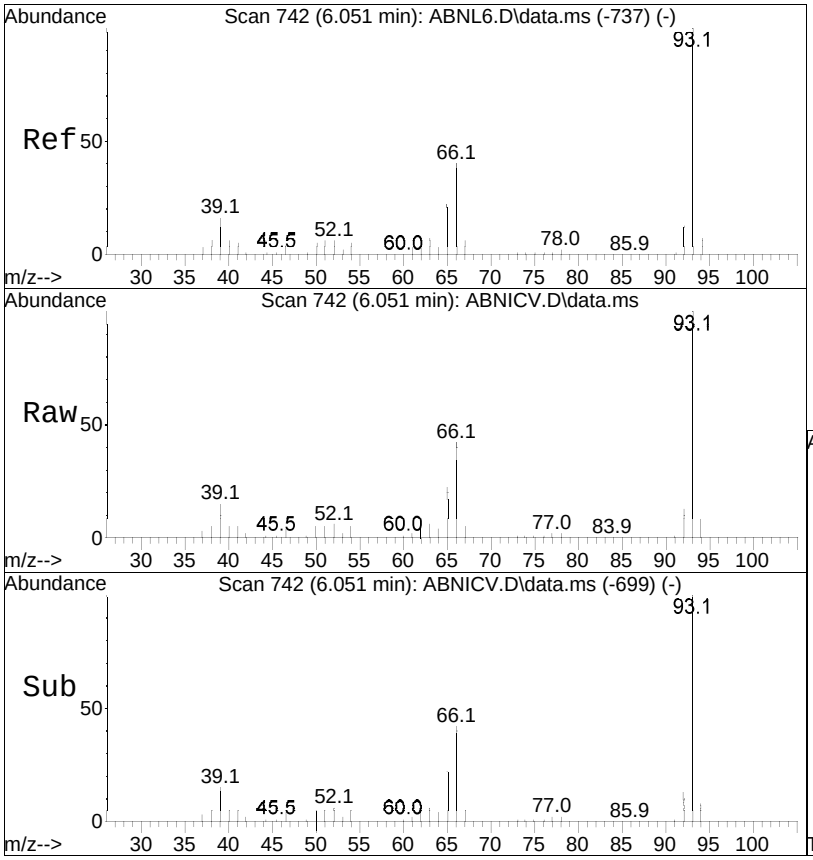


#3
Pyridine
Concen: 4.79 ug/ml
RT: 2.163 min Scan# 81
Delta R.T. -0.024 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 79 Resp: 52962

Ion	Ratio	Lower	Upper
79	100		
52	77.8	93.1	139.7#

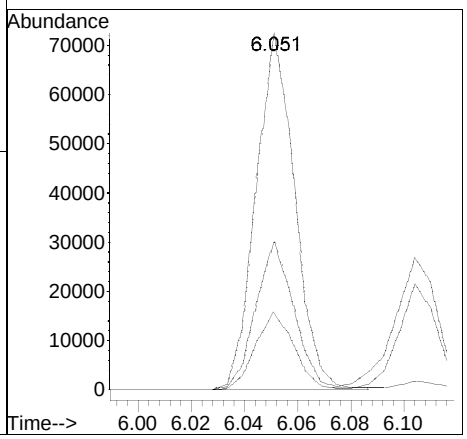


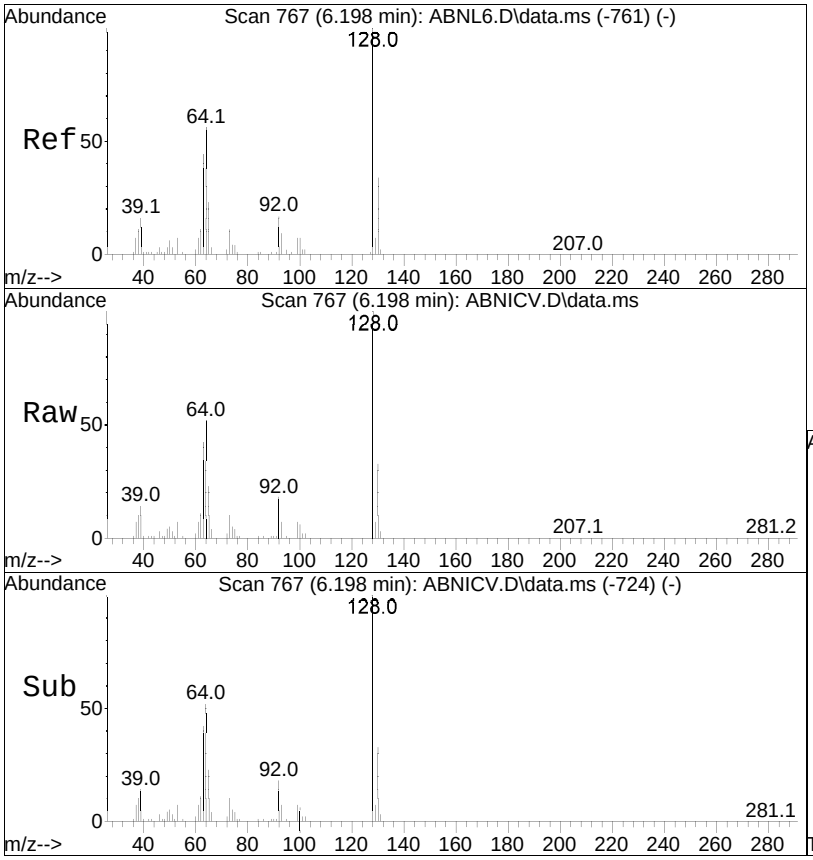


#5
Aniline
Concen: 4.50 ug/ml
RT: 6.051 min Scan# 742
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 73085

Ion	Ratio	Lower	Upper
93	100		
66	41.1	32.6	49.0
65	21.8	17.6	26.4

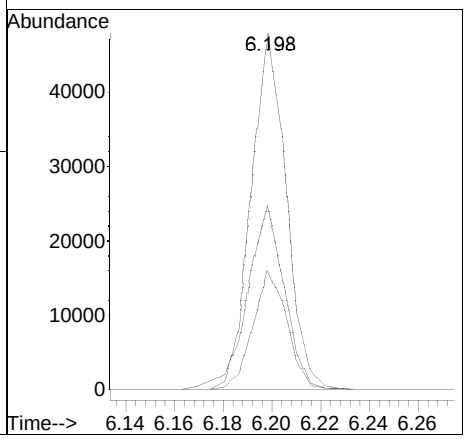


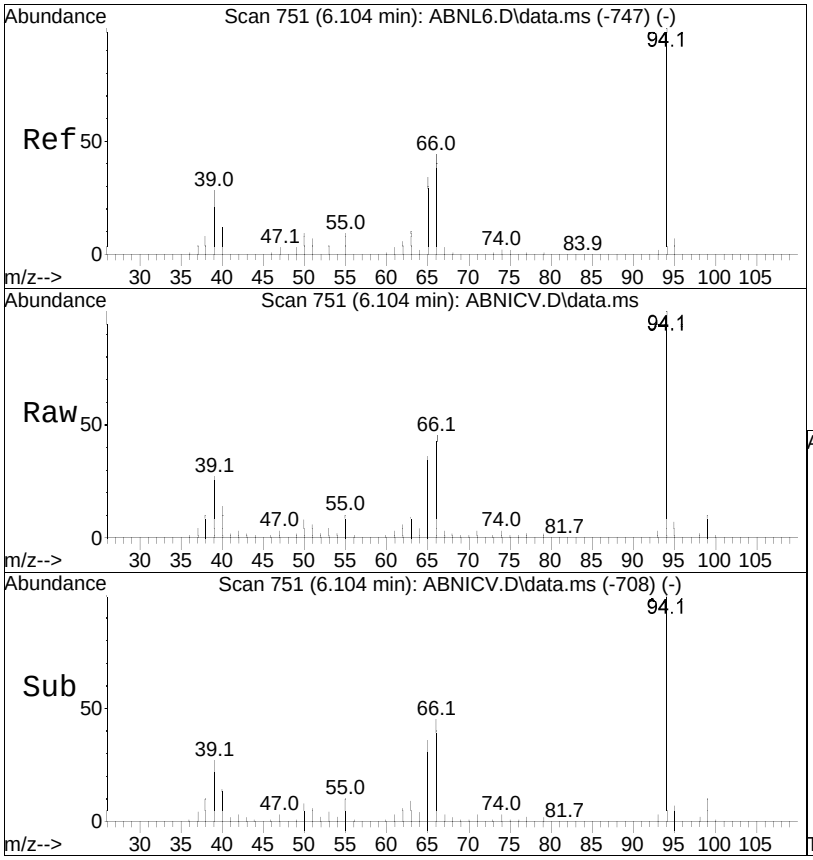


#6
2-Chlorophenol
Concen: 4.65 ug/ml
RT: 6.198 min Scan# 767
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:128 Resp: 47473

Ion	Ratio	Lower	Upper
128	100		
64	54.7	45.1	67.7
130	32.8	26.2	39.4

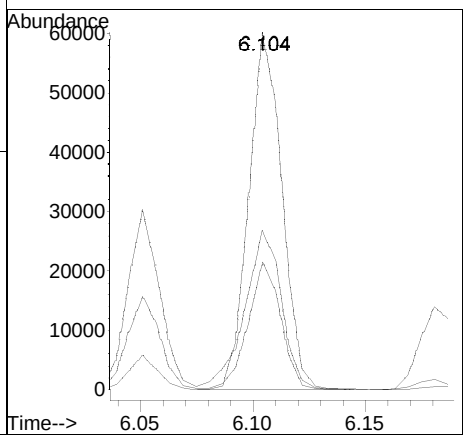


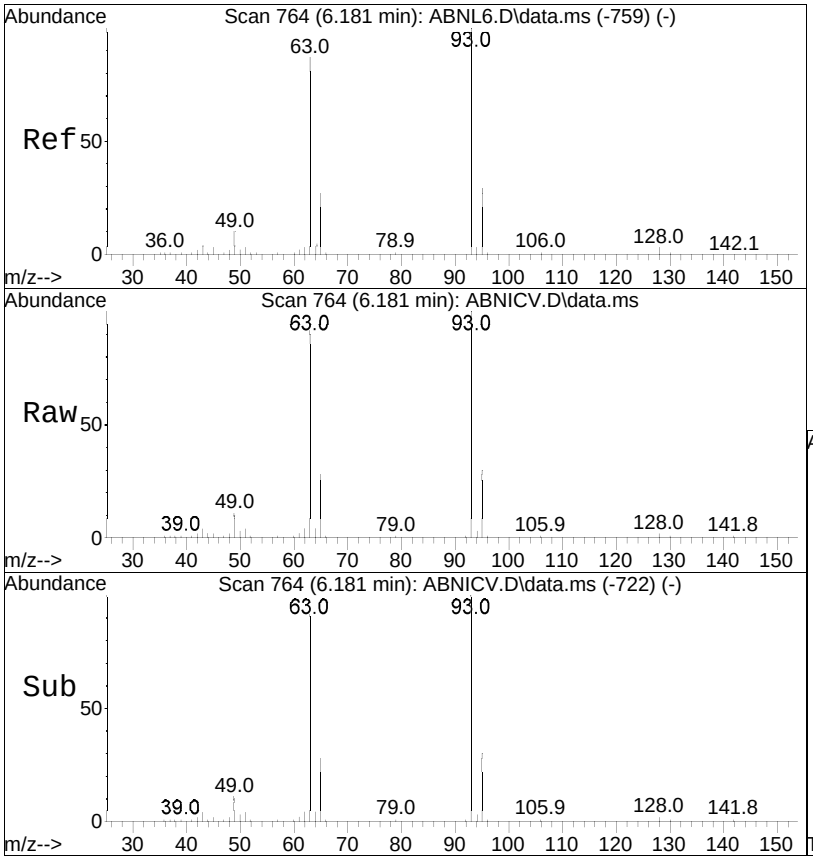


#8
Phenol
Concen: 4.72 ug/ml
RT: 6.104 min Scan# 751
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 94 Resp: 61436

Ion	Ratio	Lower	Upper
94	100		
65	35.7	26.0	39.0
66	50.0	33.8	50.8

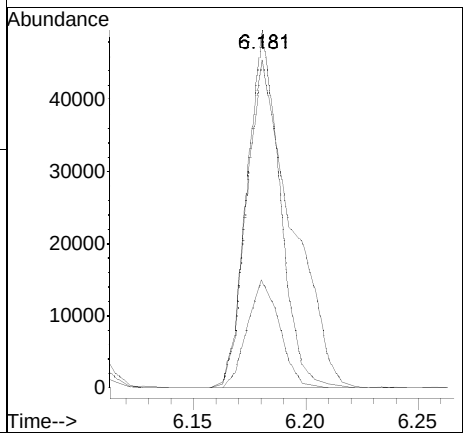


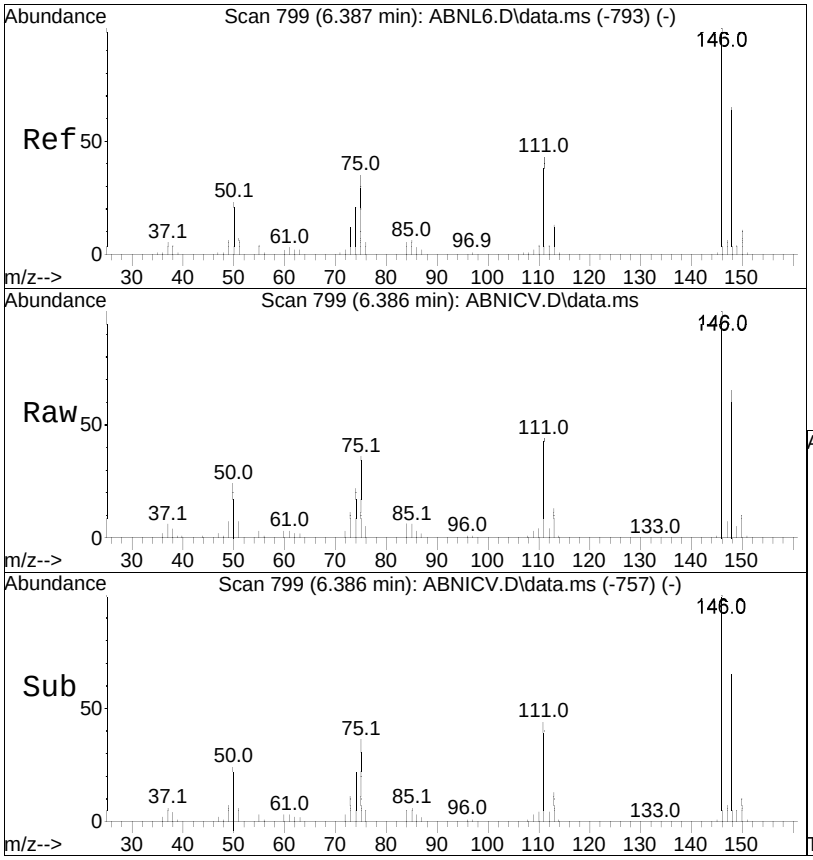


#9
Bis(2-chloroethyl)ether
Concen: 4.69 ug/ml
RT: 6.181 min Scan# 764
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 50154

Ion	Ratio	Lower	Upper
93	100		
63	125.7	74.6	111.8#
95	29.8	25.9	38.9

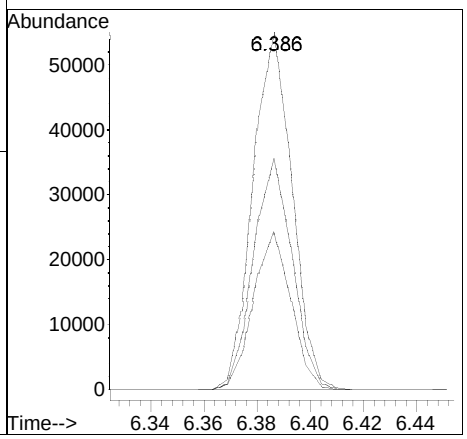


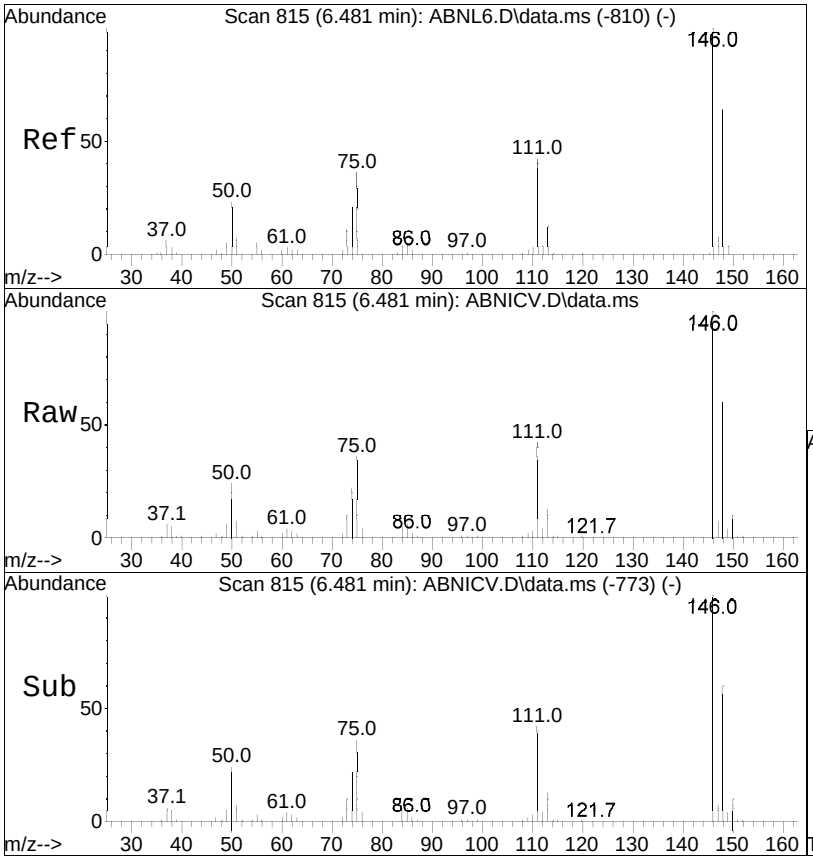


#10
1,3-Dichlorobenzene
Concen: 4.56 ug/ml
RT: 6.386 min Scan# 799
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 55987

Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.3	51.5
148	64.2	50.8	76.2

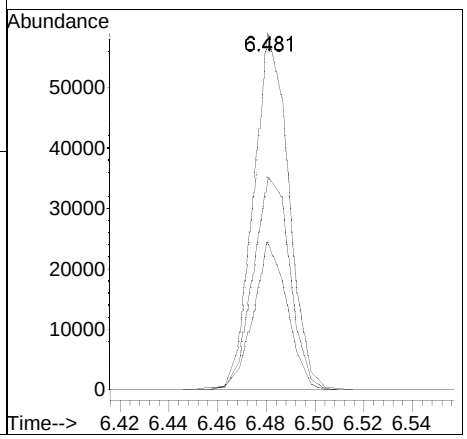


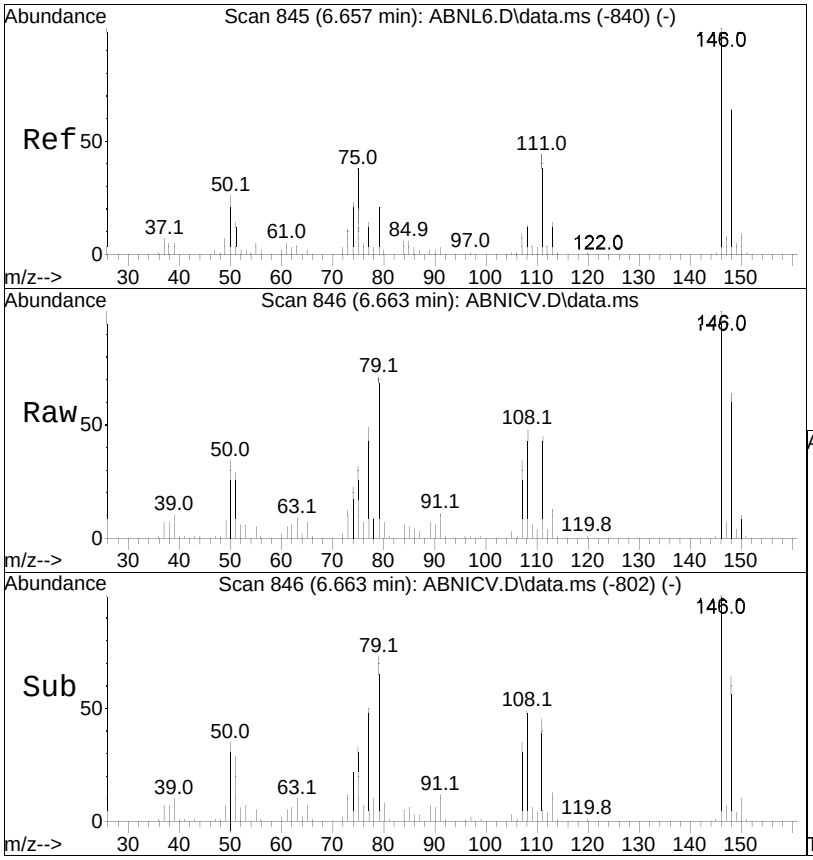


#11
1,4-Dichlorobenzene
Concen: 4.74 ug/ml
RT: 6.481 min Scan# 815
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 58849

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.7	76.1
111	40.3	33.4	50.0

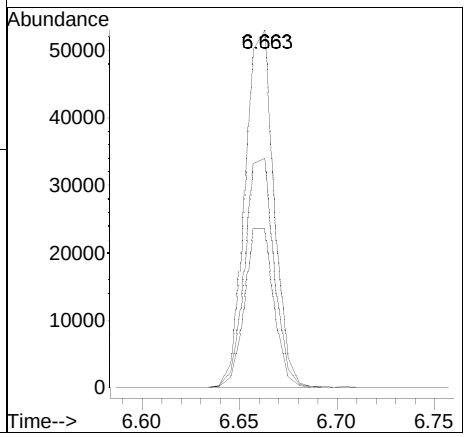


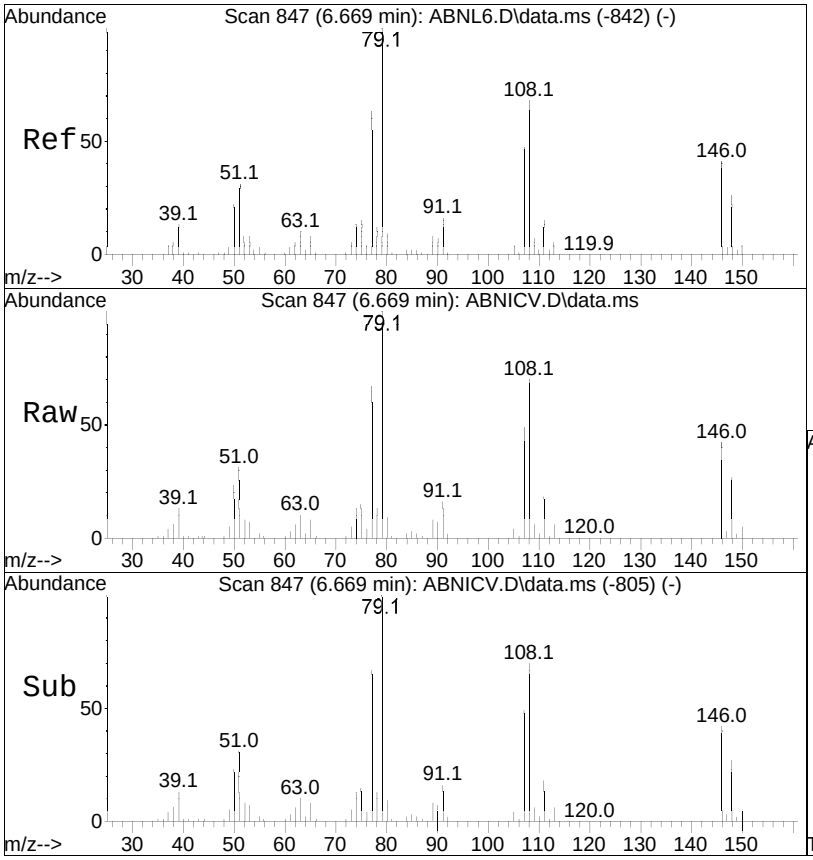


#12
1,2-Dichlorobenzene
Concen: 4.51 ug/ml
RT: 6.663 min Scan# 846
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 54515

Ion	Ratio	Lower	Upper
146	100		
111	44.8	34.6	52.0
148	64.5	50.2	75.4

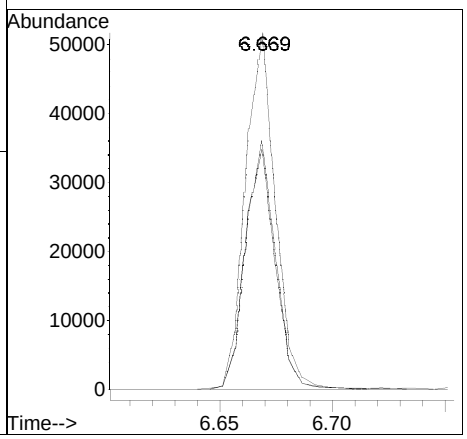


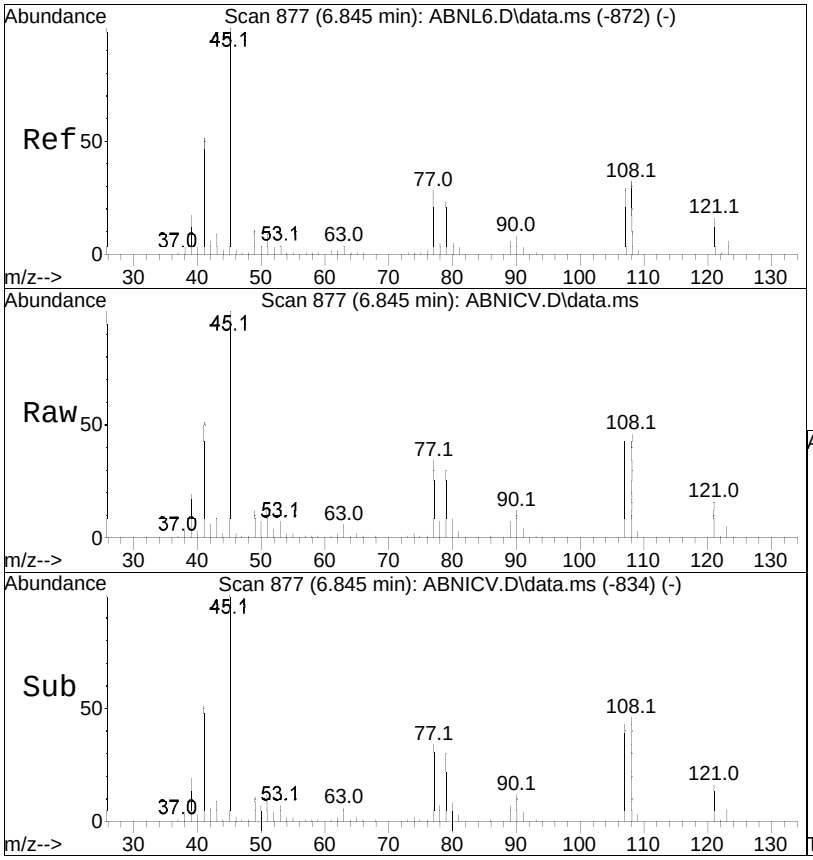


#13
Benzyl alcohol
Concen: 4.72 ug/ml
RT: 6.669 min Scan# 847
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 79 Resp: 47507

Ion	Ratio	Lower	Upper
79	100		
77	68.0	54.9	82.3
108	69.6	63.1	94.7

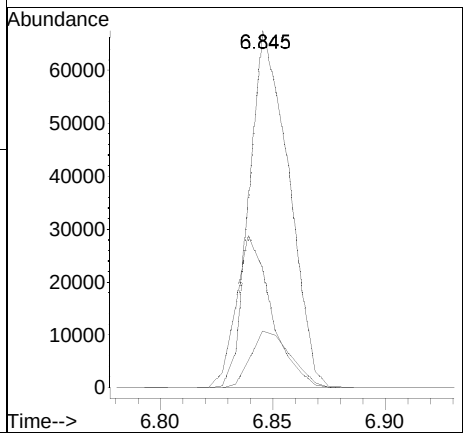


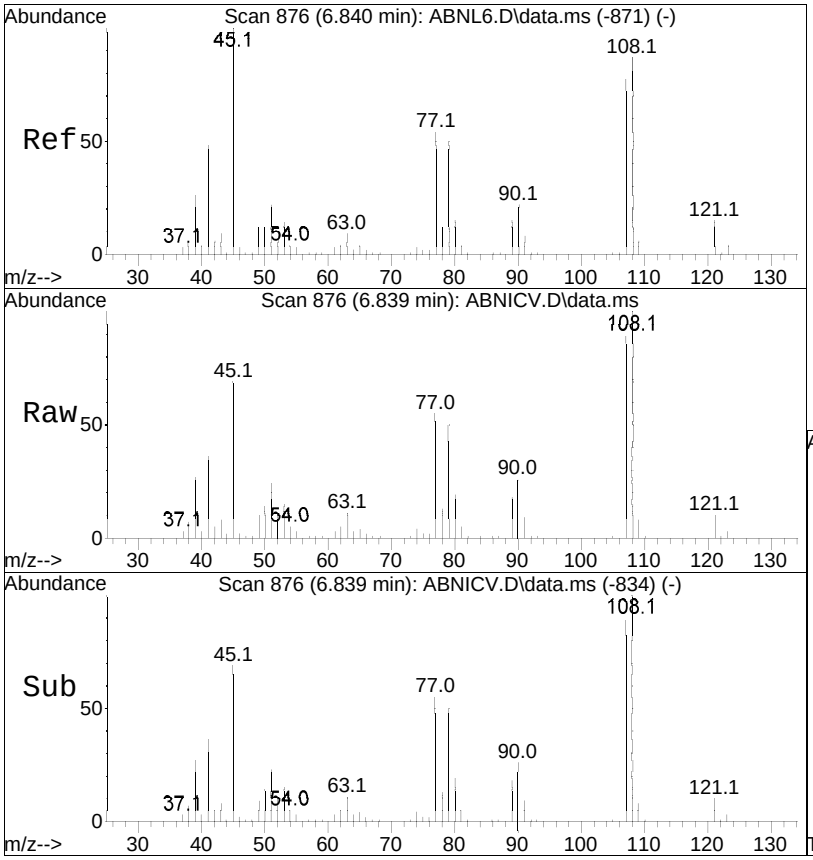


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 6.845 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 45 Resp: 81450

Ion	Ratio	Lower	Upper
45	100		
121	16.2	9.8	14.6#
77	39.0	6.1	9.1#

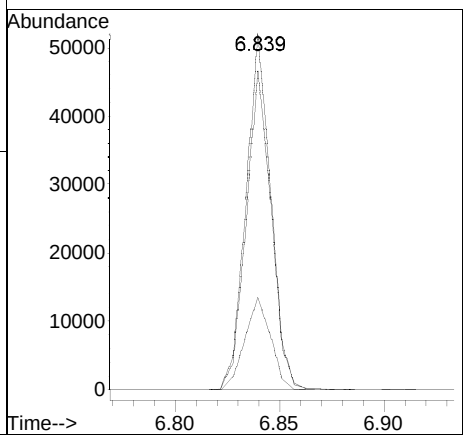


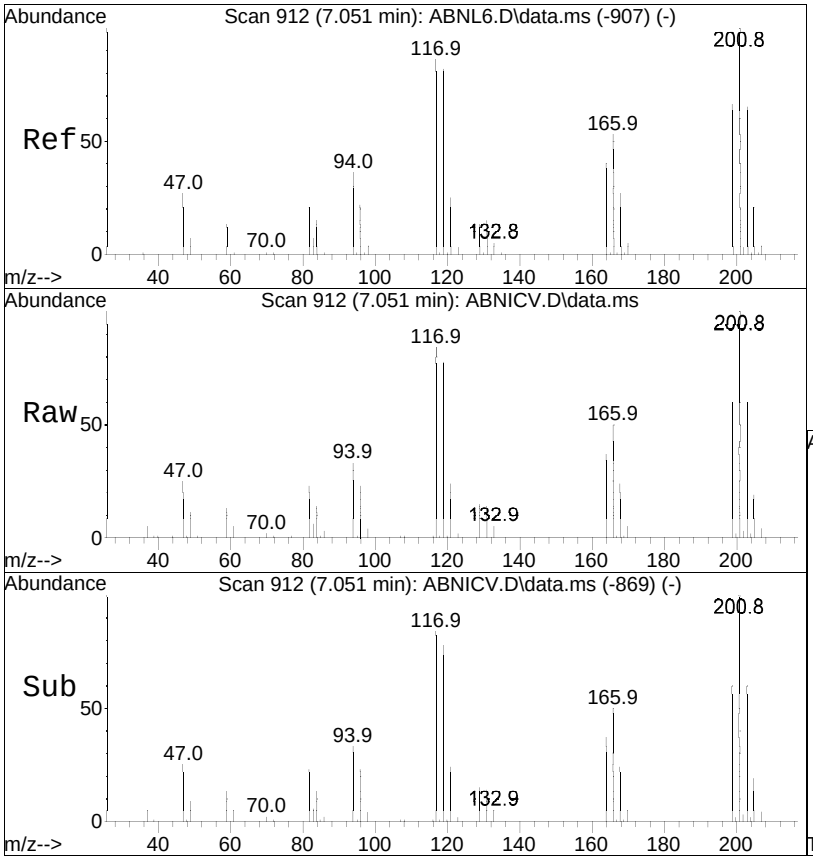


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 6.839 min Scan# 876
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:108 Resp: 43064

Ion	Ratio	Lower	Upper
108	100		
107	90.4	70.7	106.1
90	26.9	18.7	28.1

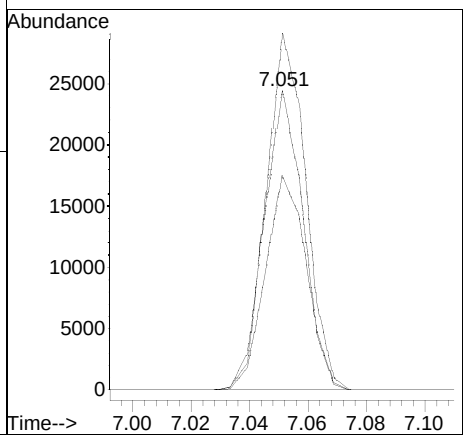


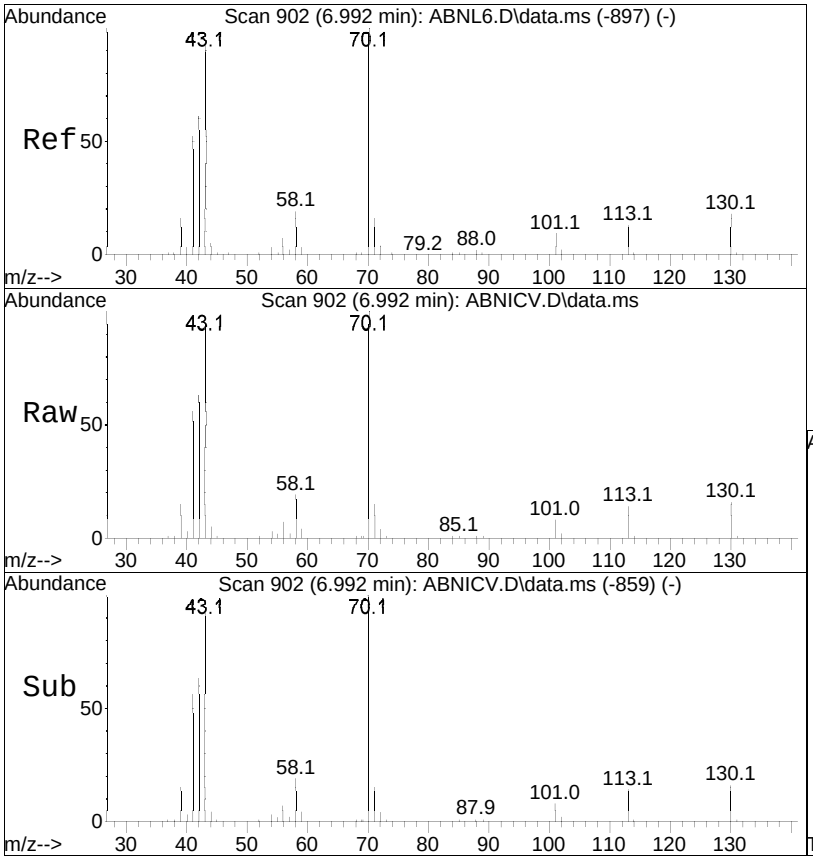


#16
Hexachloroethane
Concen: 4.58 ug/ml
RT: 7.051 min Scan# 912
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:117 Resp: 22610

Ion	Ratio	Lower	Upper
117	100		
201	121.0	58.6	87.8#
199	75.5	36.9	55.3#

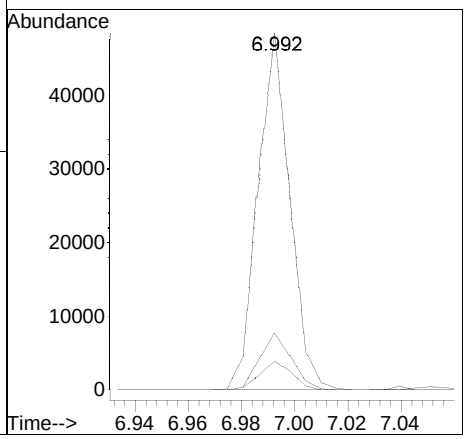


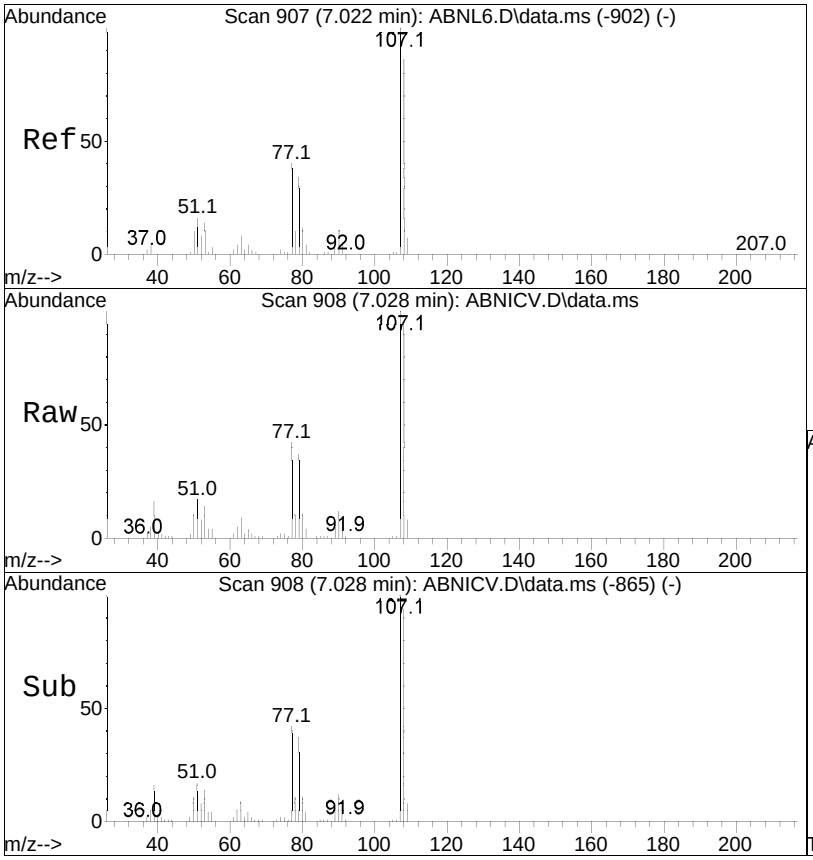


#17
n-Nitrosodi-n-propylamine
Concen: 4.80 ug/ml
RT: 6.992 min Scan# 902
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 70 Resp: 40232

Ion	Ratio	Lower	Upper
70	100		
130	15.9	18.2	27.4#
101	8.1	7.8	11.8

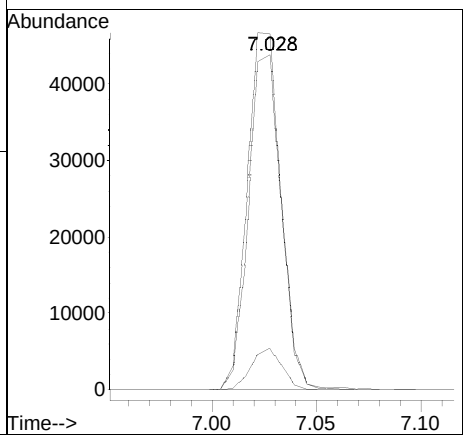


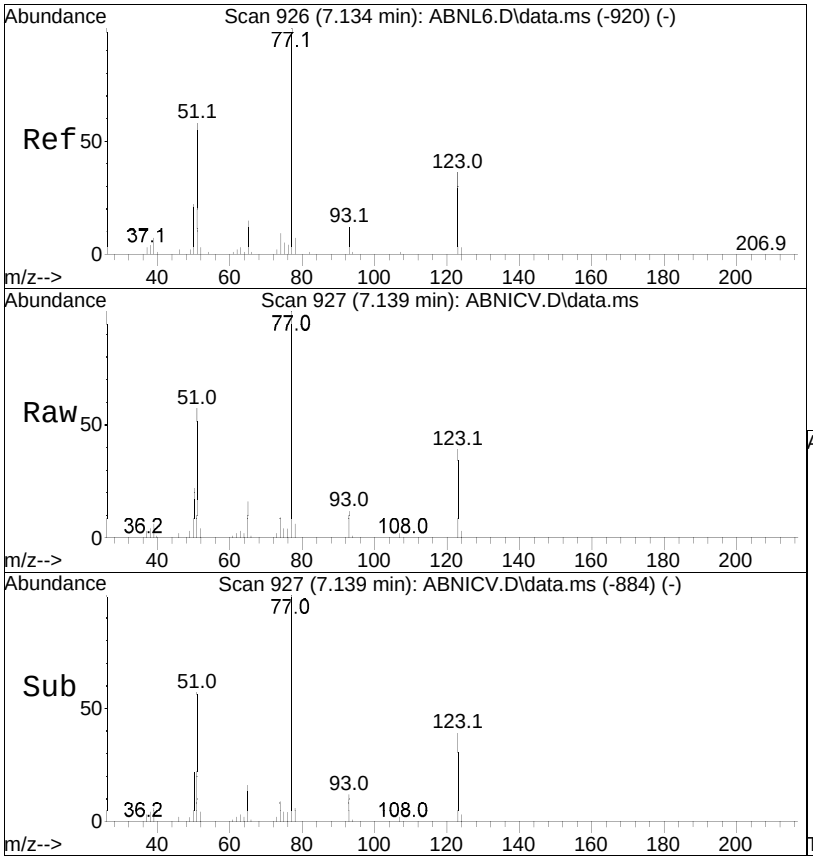


#18
3-Methylphenol/4-Methylphenol
Concen: 4.70 ug/ml
RT: 7.028 min Scan# 908
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:108 Resp: 47704

Ion	Ratio	Lower	Upper
108	100		
107	110.4	88.6	132.8
90	11.8	8.8	13.2

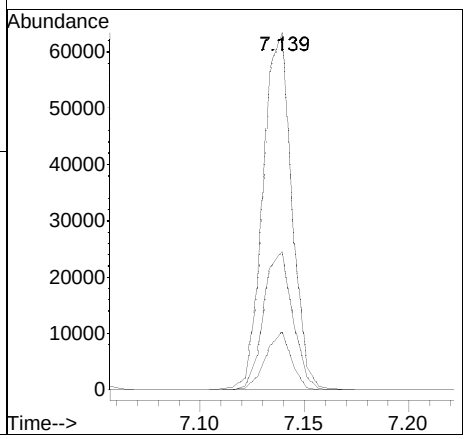


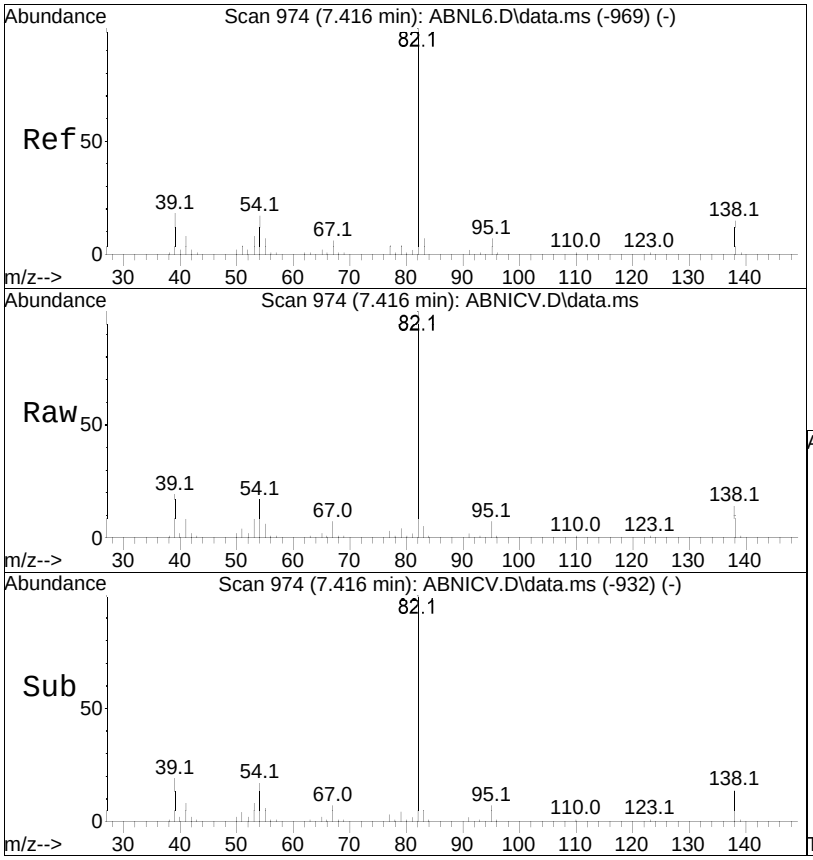


#20
Nitrobenzene
Concen: 4.62 ug/ml
RT: 7.139 min Scan# 927
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 77 Resp: 60250

Ion	Ratio	Lower	Upper
77	100		
123	39.2	36.3	54.5
65	14.6	11.6	17.4

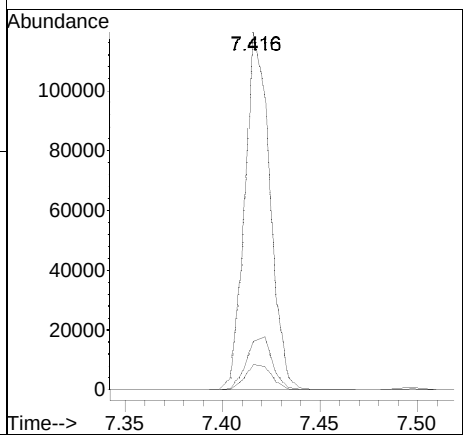


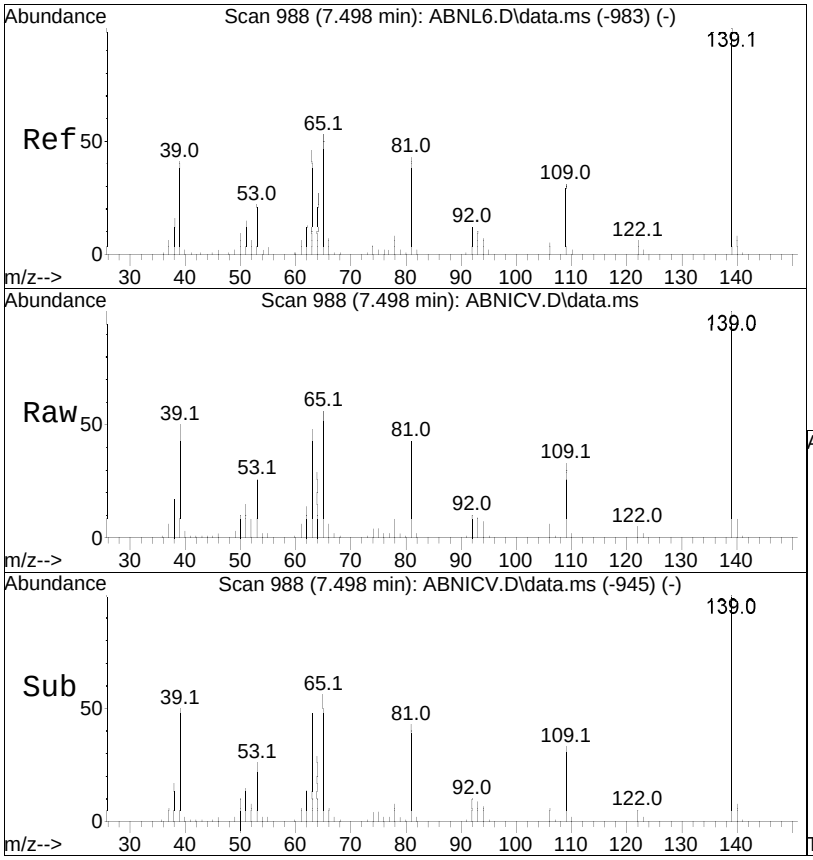


#21
Isophorone
Concen: 4.82 ug/ml
RT: 7.416 min Scan# 974
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 82 Resp: 105479

Ion	Ratio	Lower	Upper
82	100		
138	15.3	14.7	22.1
95	7.5	5.2	7.8

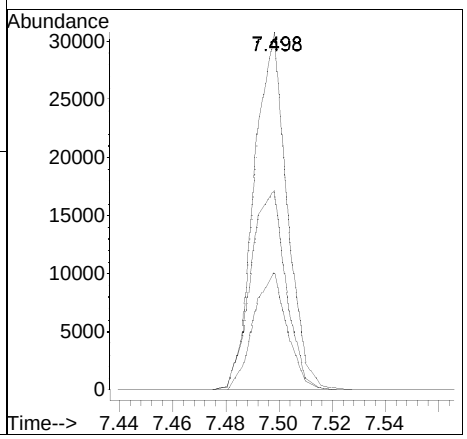


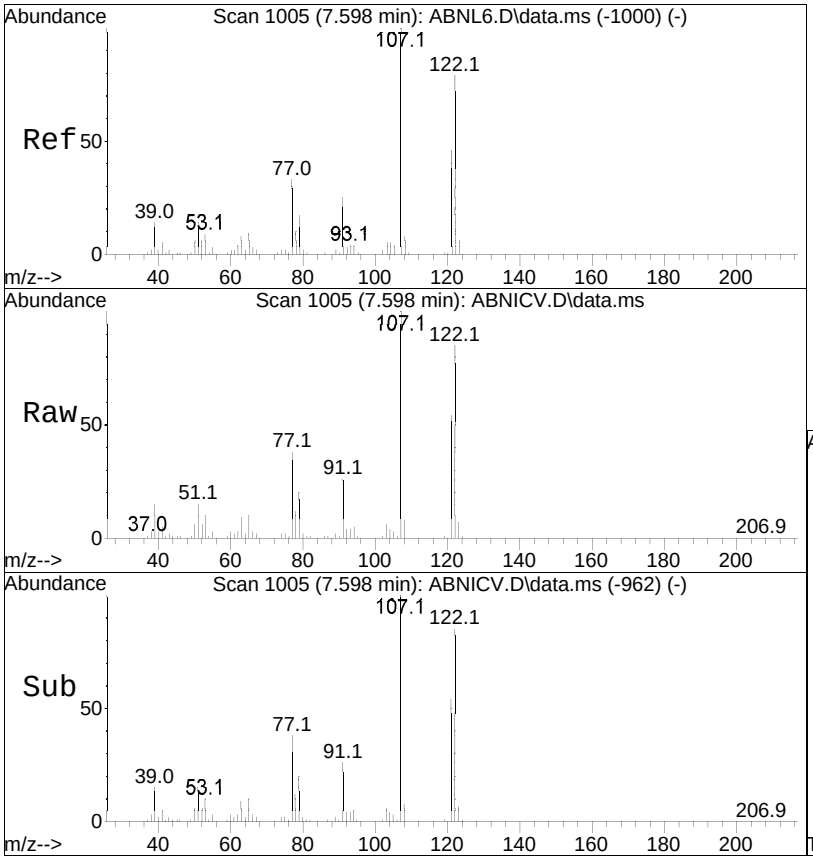


#22
2-Nitrophenol
Concen: 4.78 ug/ml
RT: 7.498 min Scan# 988
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:139 Resp: 26262

Ion	Ratio	Lower	Upper
139	100		
109	33.8	19.4	29.0#
65	60.1	46.1	69.1

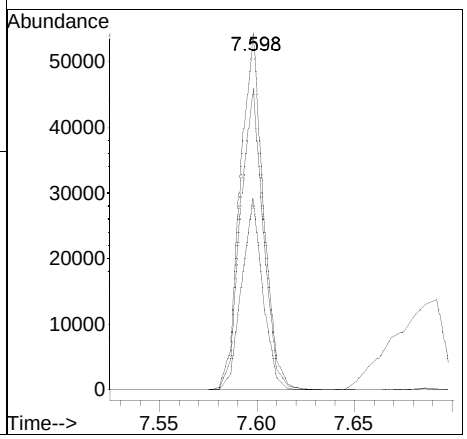


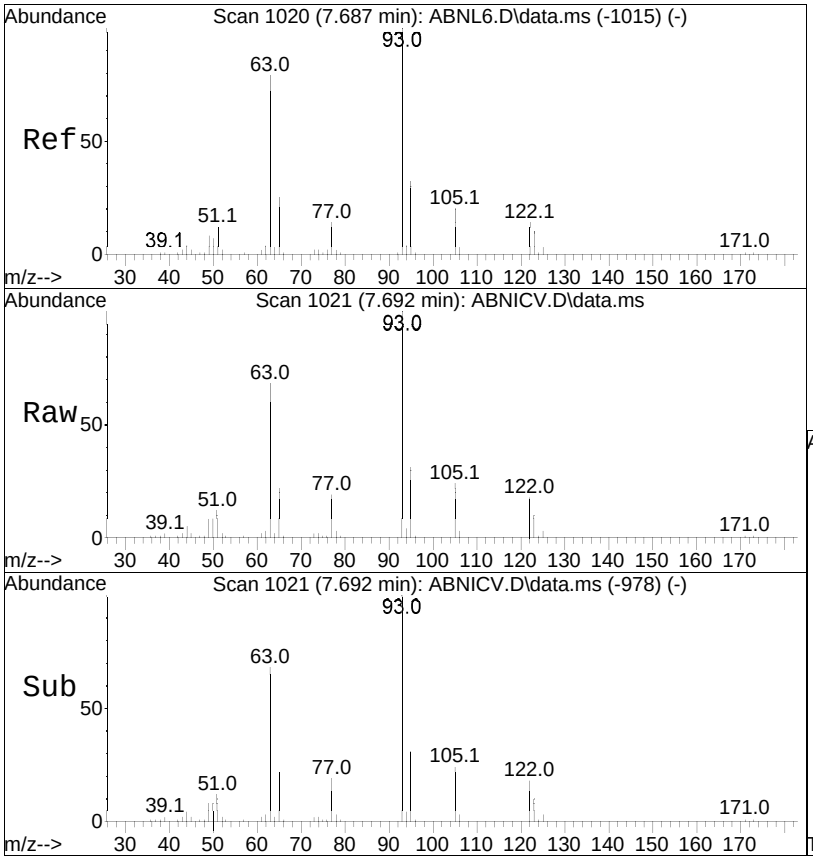


#23
2,4-Dimethylphenol
Concen: 4.33 ug/ml
RT: 7.598 min Scan# 1005
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:107 Resp: 44685

Ion	Ratio	Lower	Upper
107	100		
121	49.3	40.0	60.0
122	83.2	70.2	105.4

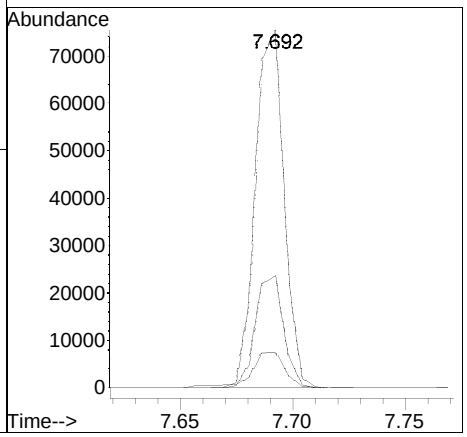


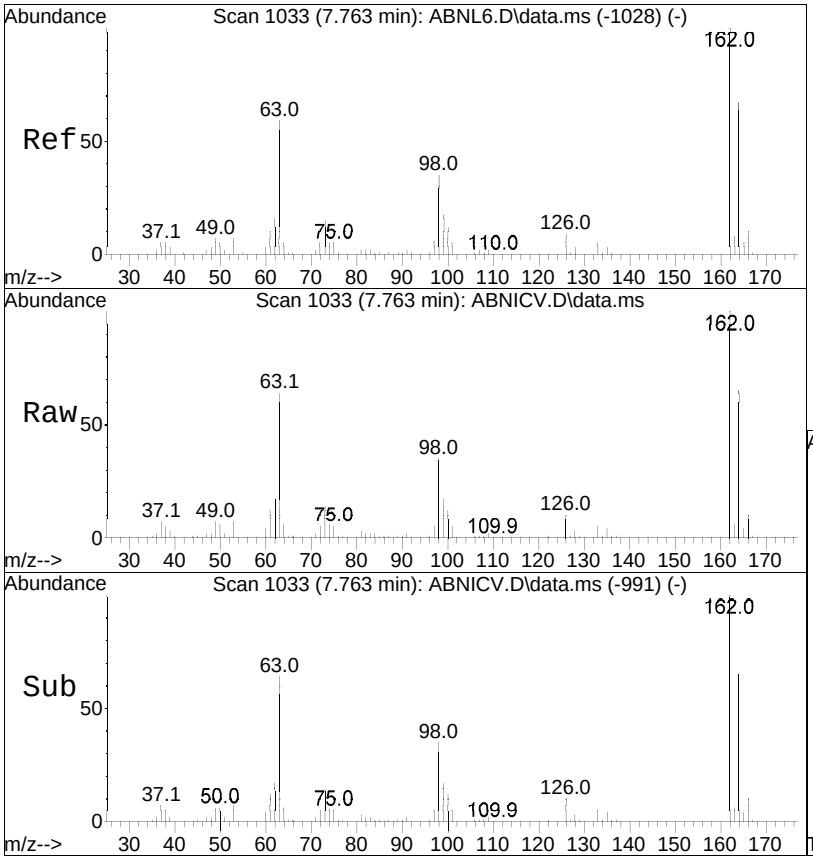


#24
Bis(2-chloroethoxy)methane
Concen: 4.70 ug/ml
RT: 7.692 min Scan# 1021
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 66268

Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.8	38.8
123	12.0	10.1	15.1

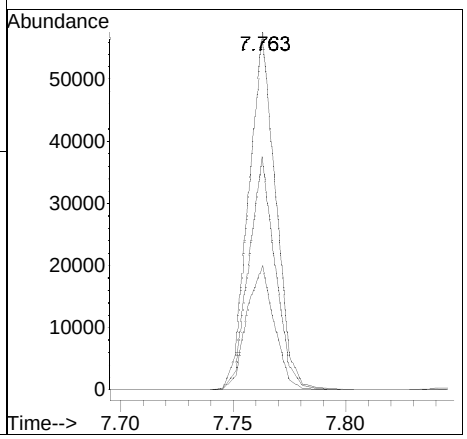


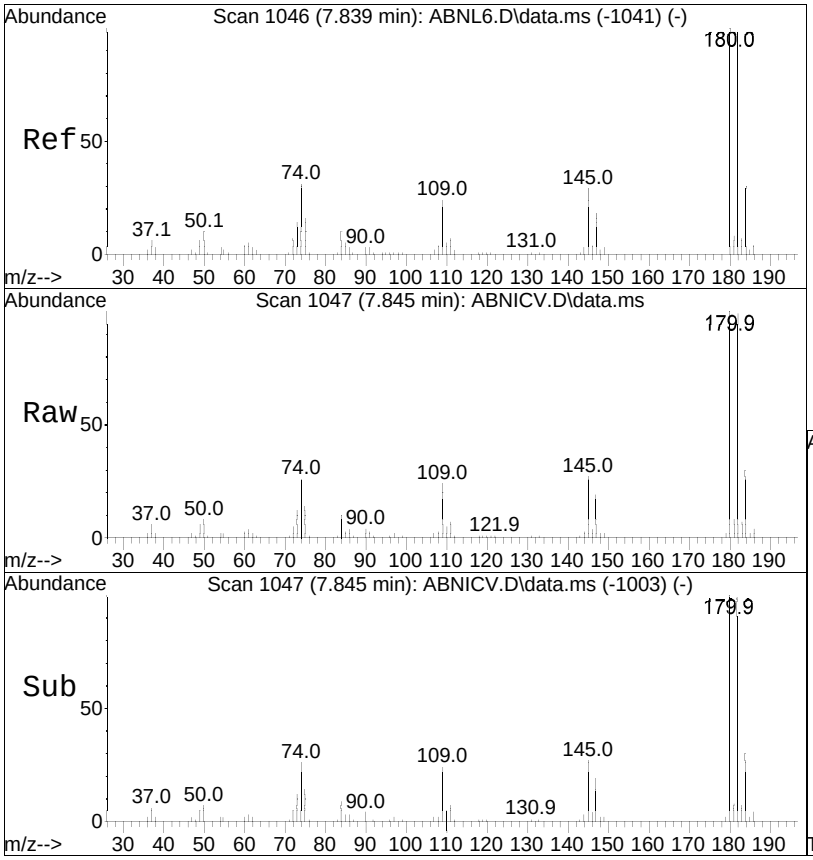


#25
2,4-Dichlorophenol
Concen: 4.86 ug/ml
RT: 7.763 min Scan# 1033
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:162 Resp: 47496

Ion	Ratio	Lower	Upper
162	100		
164	63.6	51.0	76.4
98	35.5	32.2	48.2

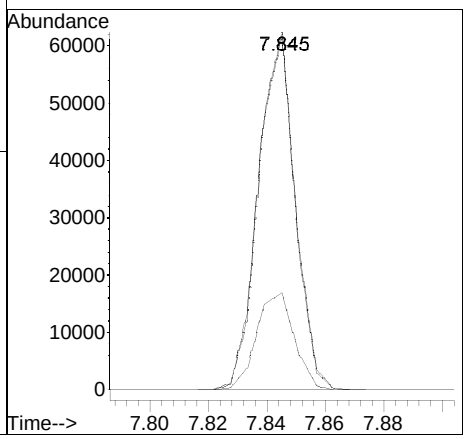


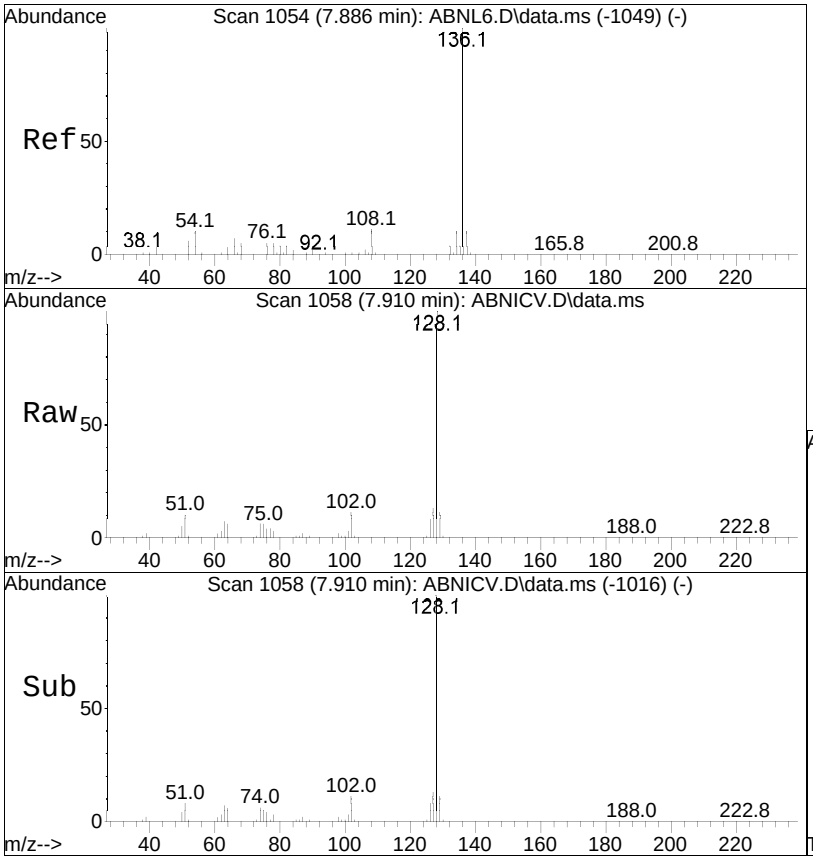


#26
1,2,4-Trichlorobenzene
Concen: 4.52 ug/ml
RT: 7.845 min Scan# 1047
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:180 Resp: 54145

Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.0	114.0
145	28.0	25.7	38.5

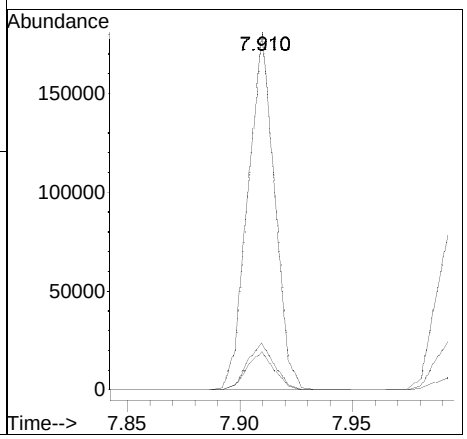


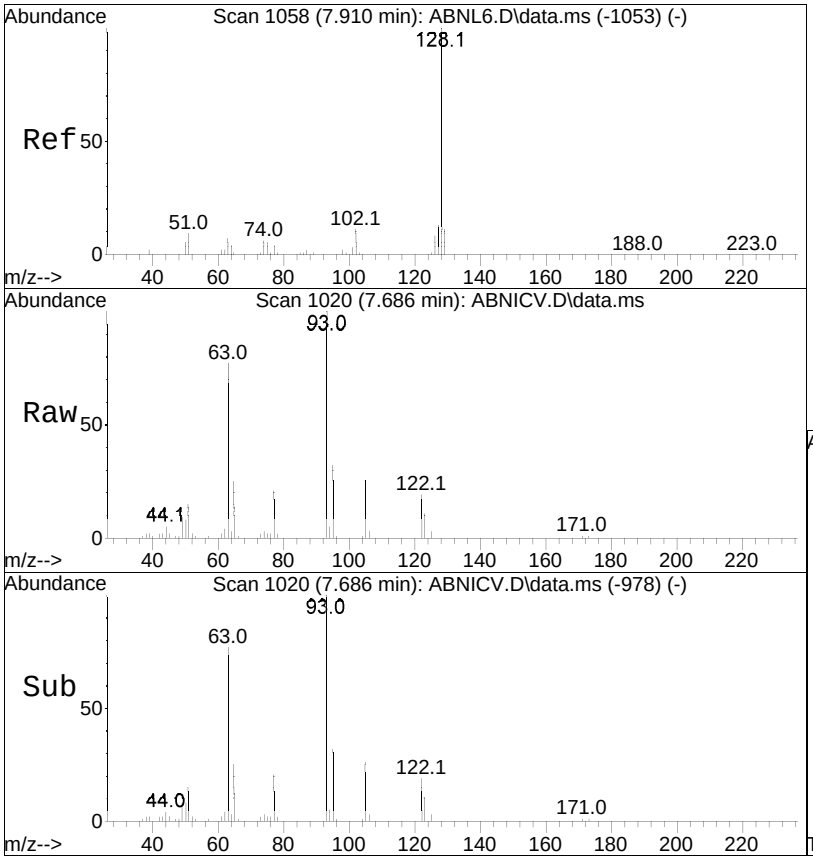


#36
Naphthalene
Concen: 4.43 ug/ml
RT: 7.910 min Scan# 1058
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:128 Resp: 148264

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.3	15.5

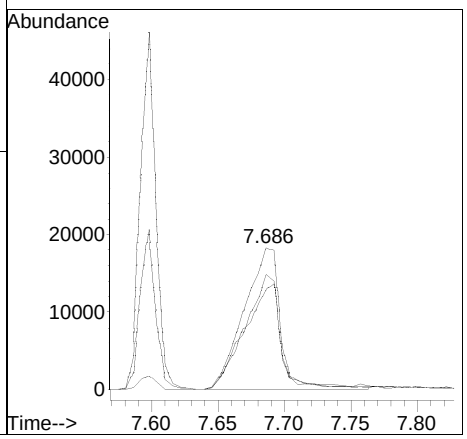


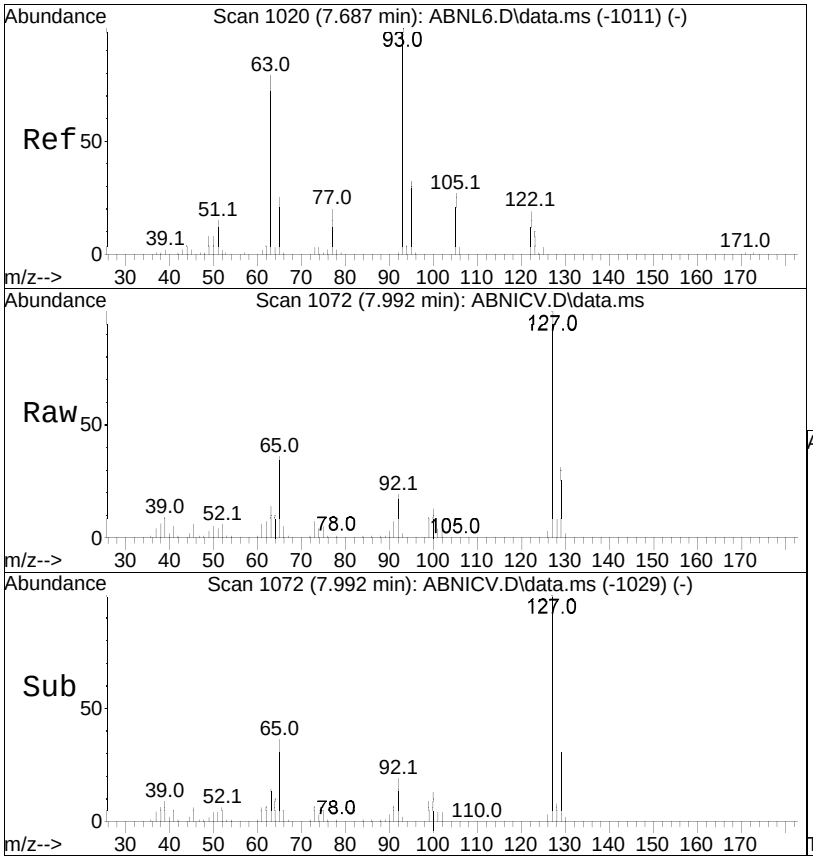


#37
Benzoic Acid
Concen: 4.41 ug/ml
RT: 7.686 min Scan# 1020
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:105 Resp: 35144

Ion	Ratio	Lower	Upper
105	100		
122	74.1	59.9	89.9
77	78.4	60.1	90.1

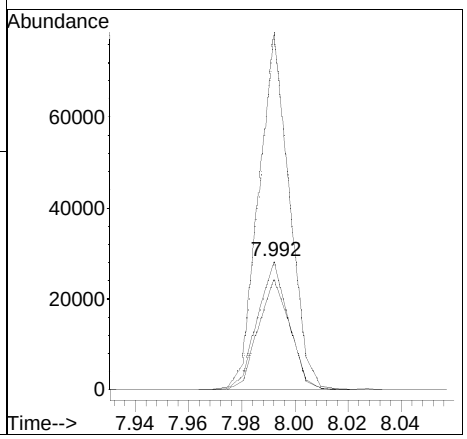


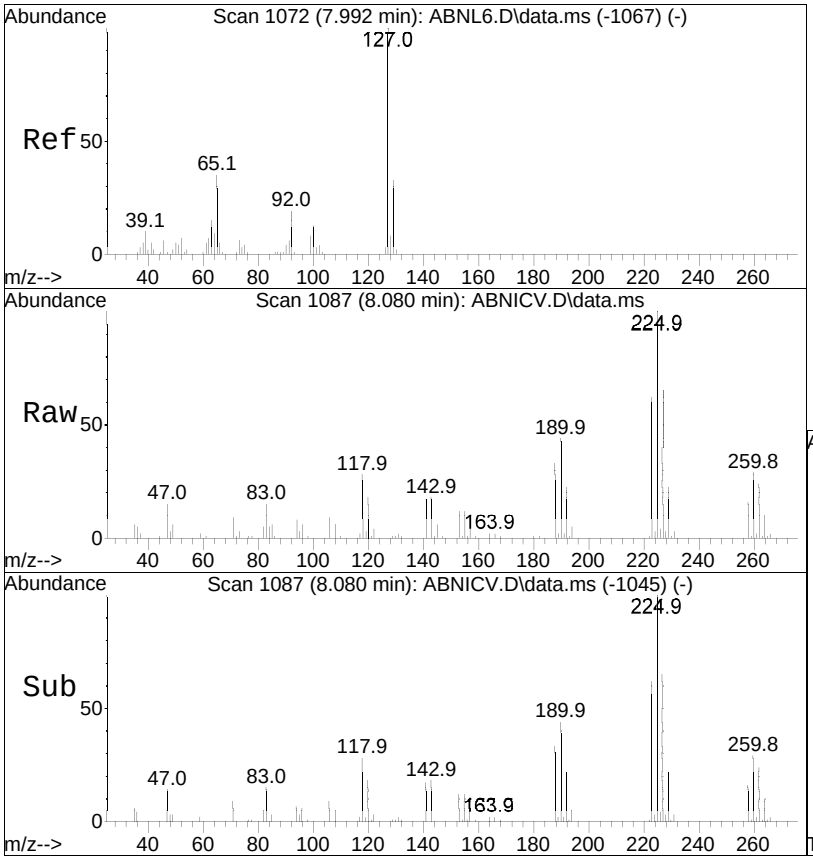


#38
4-Chloroaniline
Concen: 4.65 ug/ml
RT: 7.992 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 65 Resp: 22958

Ion	Ratio	Lower	Upper
65	100		
127	272.3	237.6	356.4
129	87.3	76.3	114.5

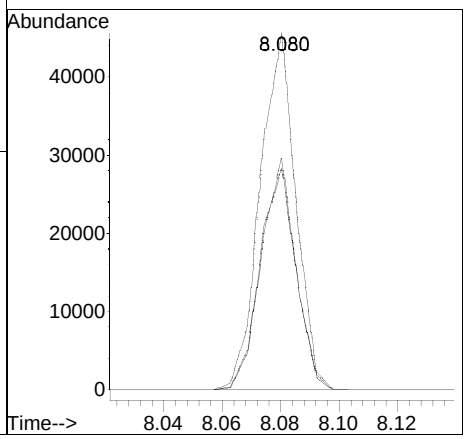


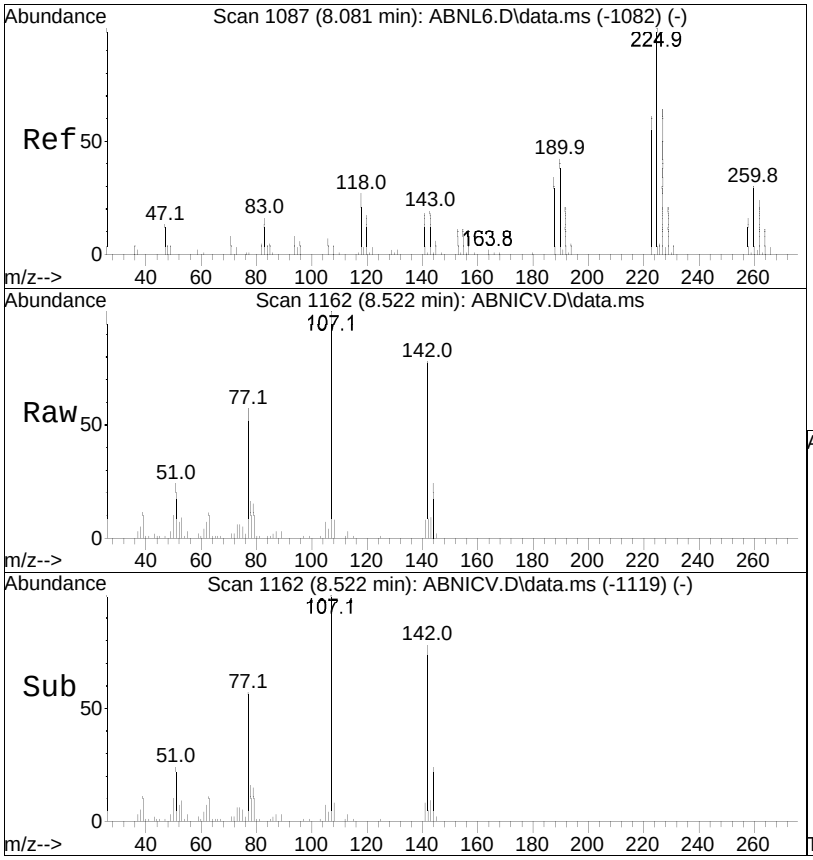


#39
Hexachlorobutadiene
Concen: 4.35 ug/ml
RT: 8.080 min Scan# 1087
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:225 Resp: 38426

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.2	52.2	78.2

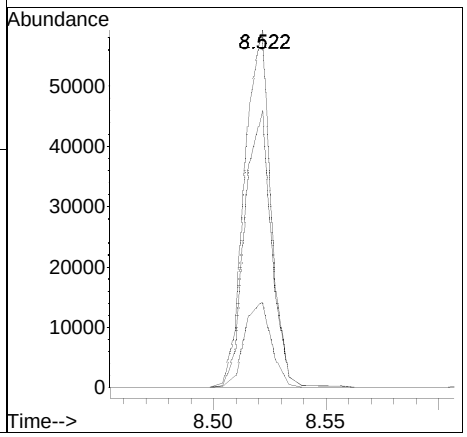


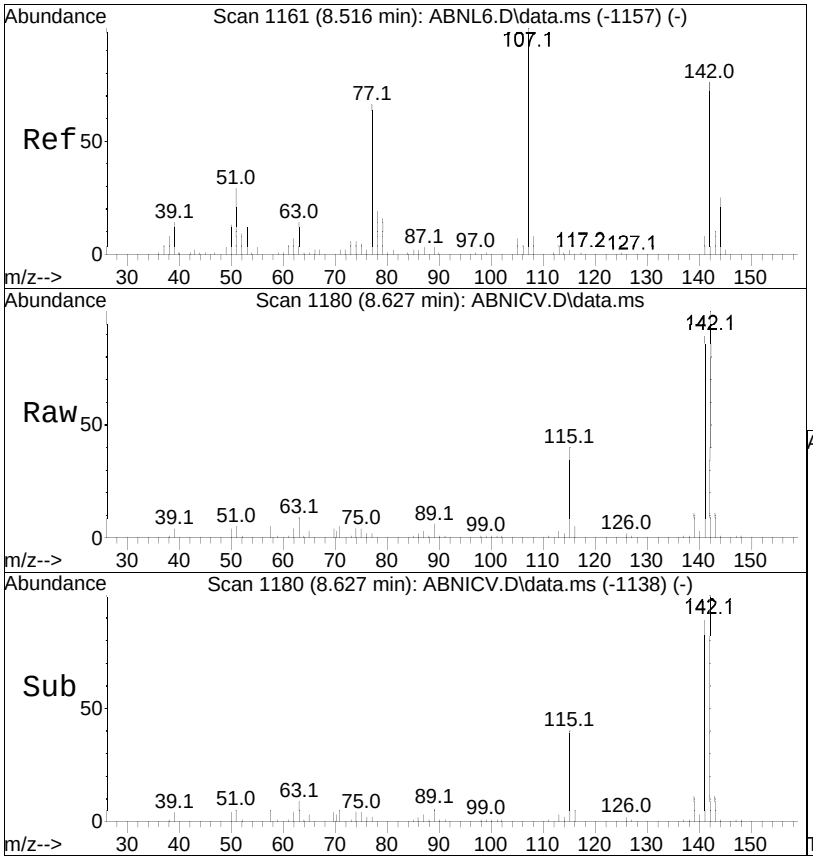


#40
p-Chloro-m-cresol
Concen: 4.77 ug/ml
RT: 8.522 min Scan# 1162
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:107 Resp: 47677

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.9	31.3
142	78.9	66.1	99.1

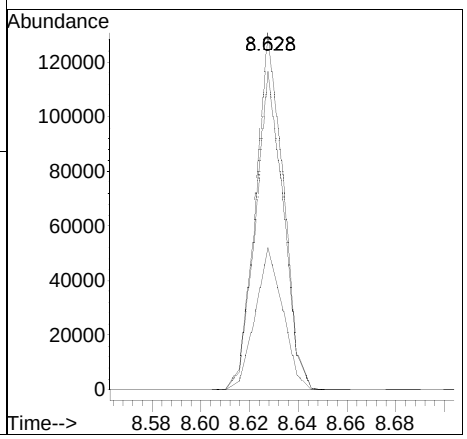


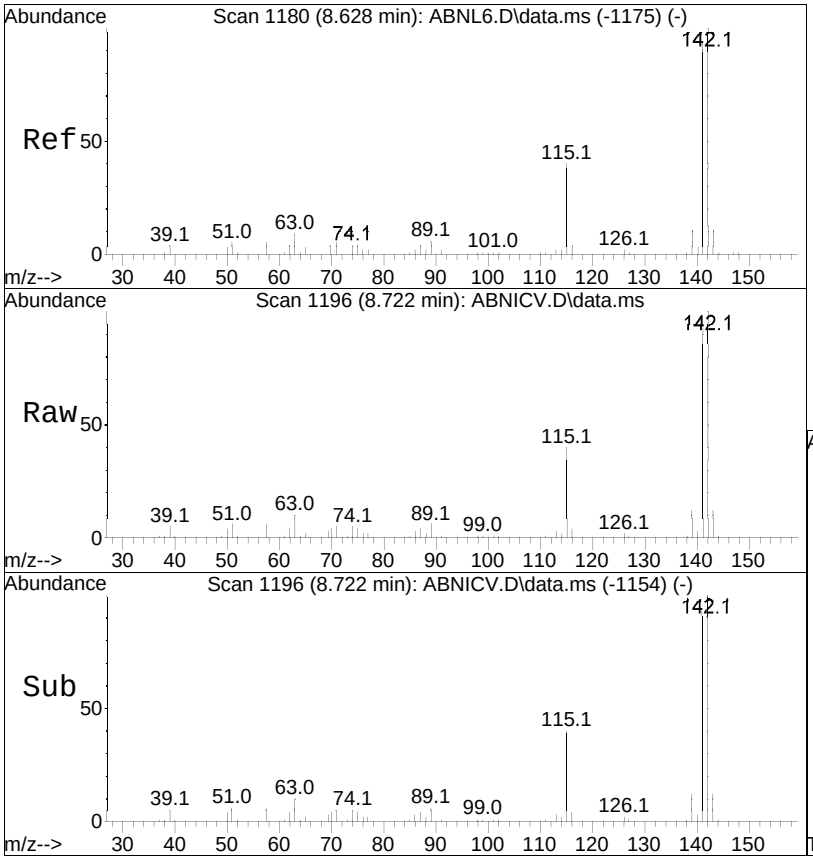


#41
2-Methylnaphthalene
Concen: 4.62 ug/ml
RT: 8.627 min Scan# 1180
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:142 Resp: 102902

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.6	104.4
115	39.9	26.6	40.0

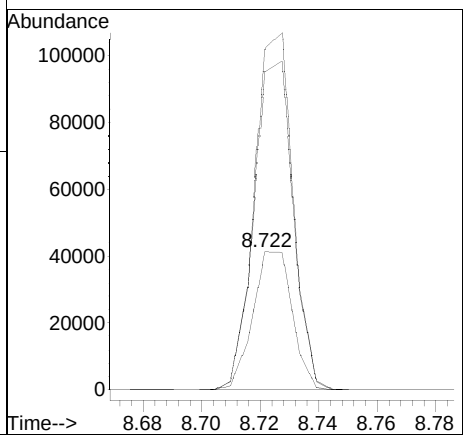


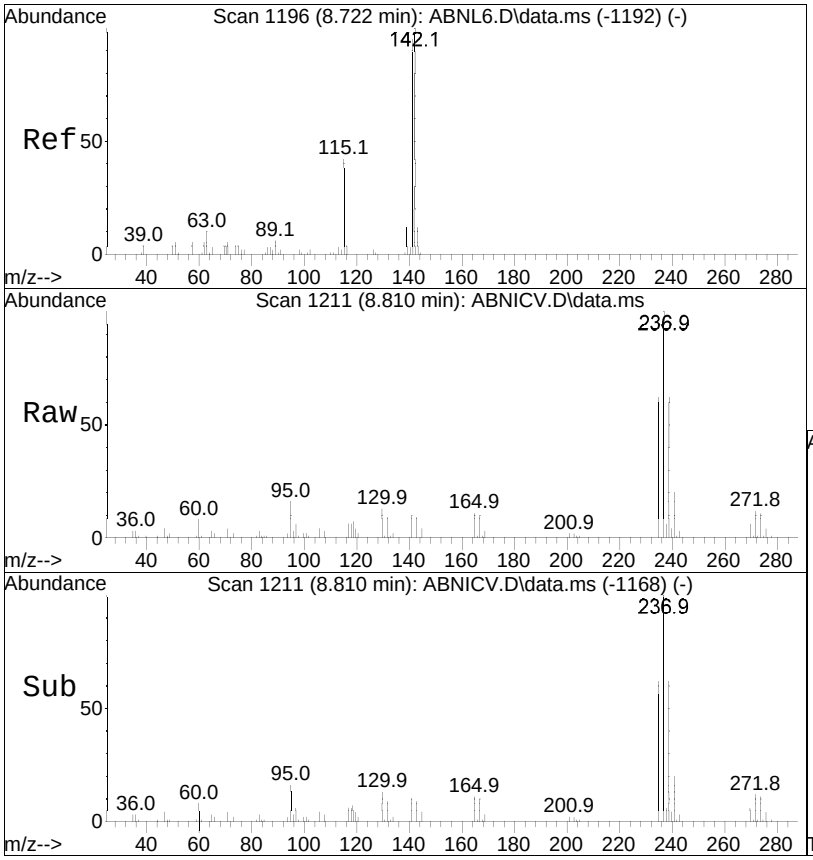


#42
1-Methylnaphthalene
Concen: 4.61 ug/ml
RT: 8.722 min Scan# 1196
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:115 Resp: 38995

Ion	Ratio	Lower	Upper
115	100		
141	233.9	207.8	311.6
142	250.3	226.8	340.2

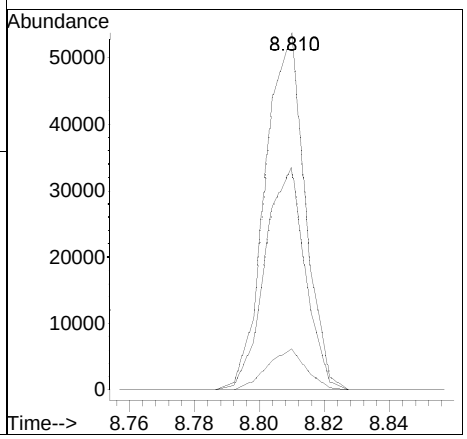


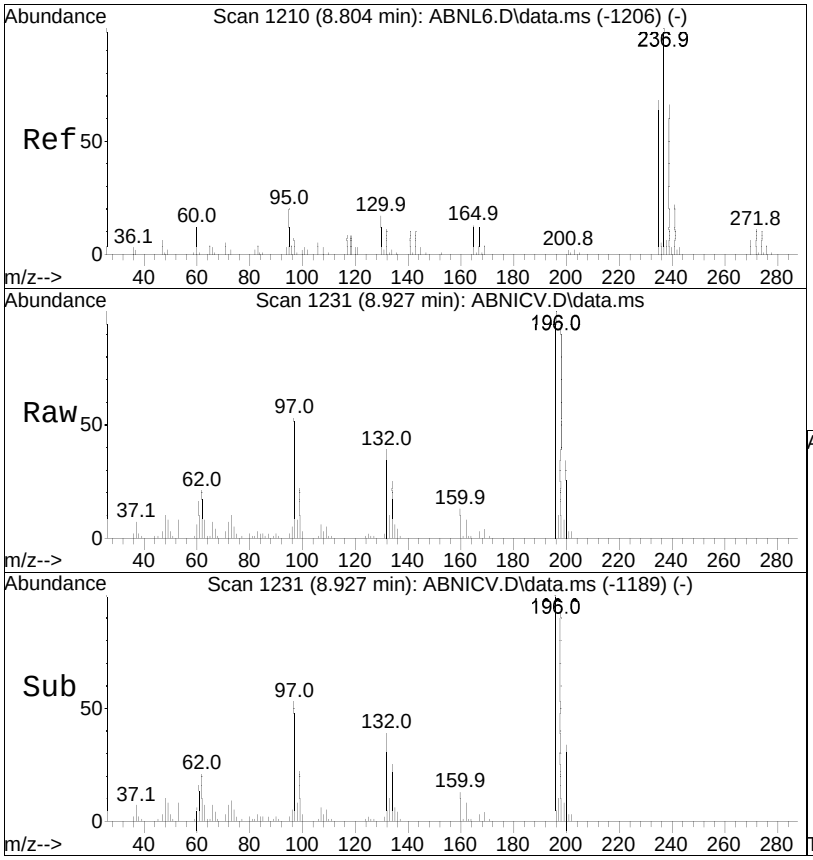


#43
Hexachlorocyclopentadiene
Concen: 4.66 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:237 Resp: 45649

Ion	Ratio	Lower	Upper
237	100		
235	63.1	49.7	74.5
272	11.3	9.8	14.6

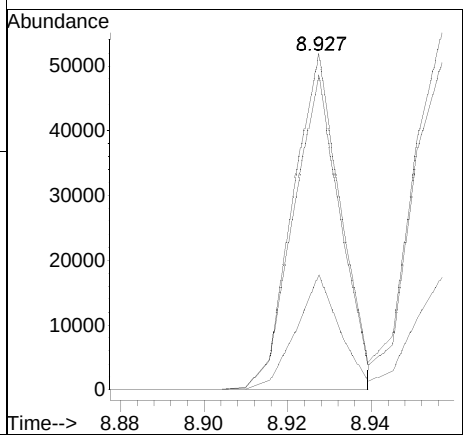


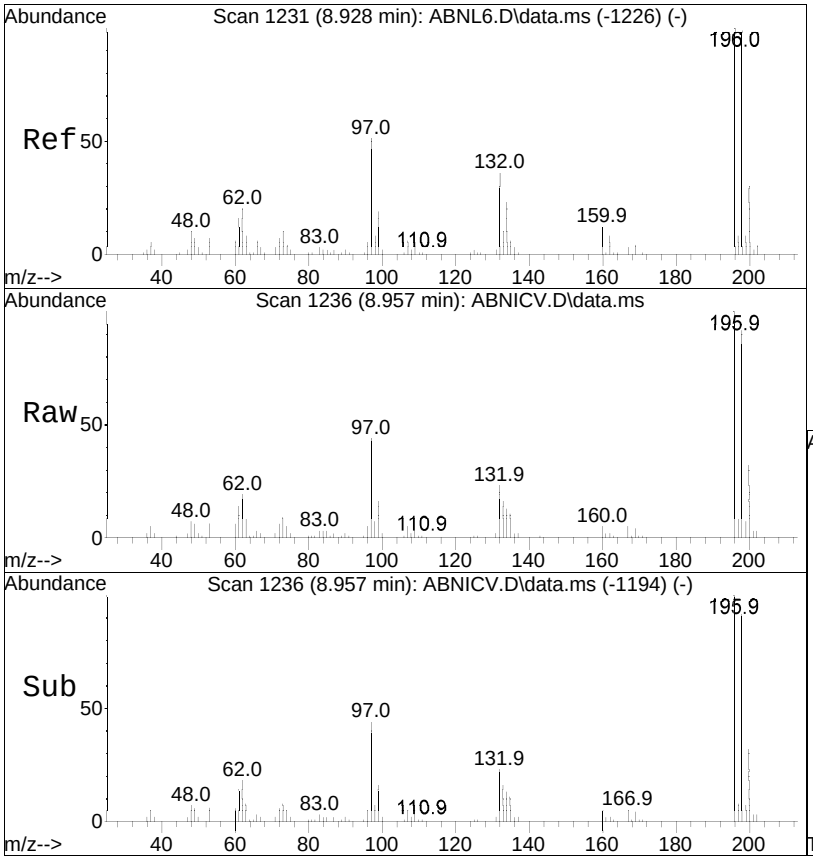


#44
2,4,6-Trichlorophenol
Concen: 4.73 ug/ml
RT: 8.927 min Scan# 1231
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:196 Resp: 41492

Ion	Ratio	Lower	Upper
196	100		
198	92.6	77.5	116.3
200	31.3	23.8	35.6

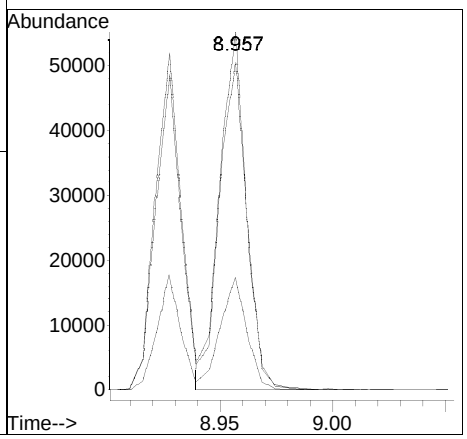


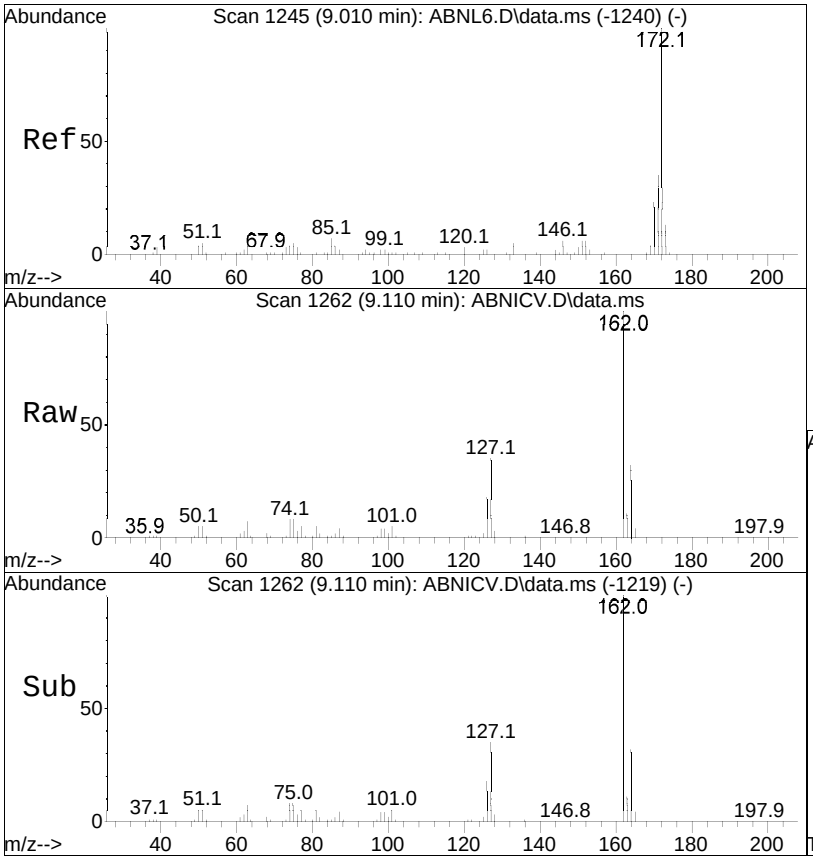


#45
2,4,5-Trichlorophenol
Concen: 4.82 ug/ml
RT: 8.957 min Scan# 1236
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:196 Resp: 45219

Ion	Ratio	Lower	Upper
196	100		
200	31.7	25.4	38.0
198	95.0	78.0	117.0

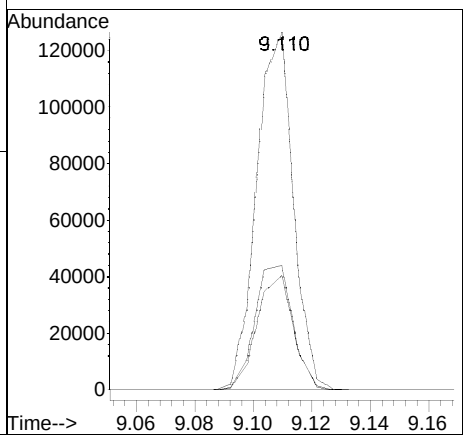


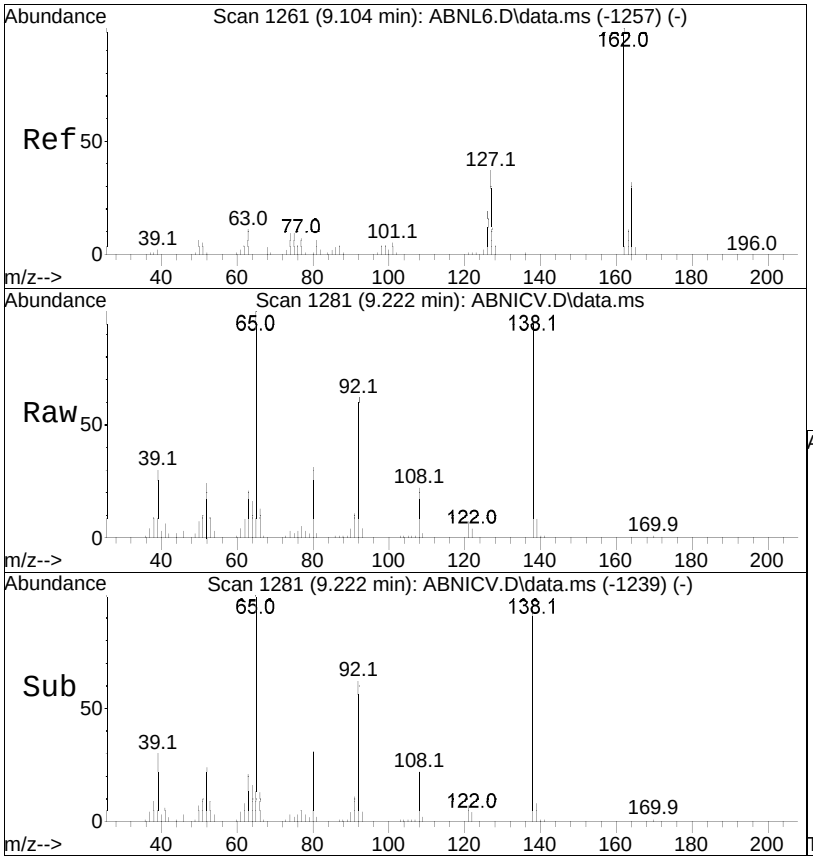


#47
2-Chloronaphthalene
Concen: 4.61 ug/ml
RT: 9.110 min Scan# 1262
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:162 Resp: 109202

Ion	Ratio	Lower	Upper
162	100		
127	36.4	32.2	48.4
164	32.2	25.7	38.5

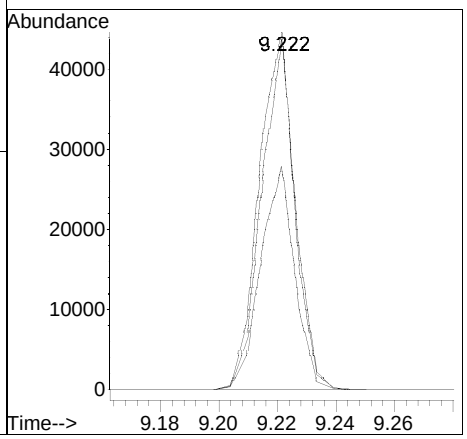


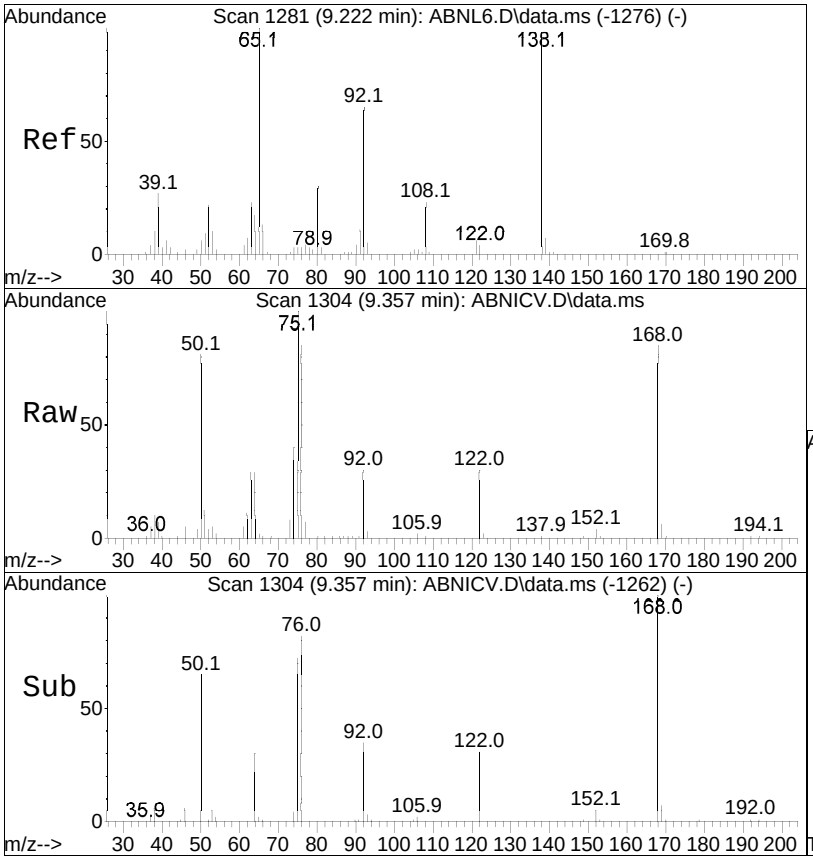


#48
2-Nitroaniline
Concen: 4.88 ug/ml
RT: 9.222 min Scan# 1281
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 34832

Ion	Ratio	Lower	Upper
138	100		
92	64.4	53.5	80.3
65	106.6	86.3	129.5

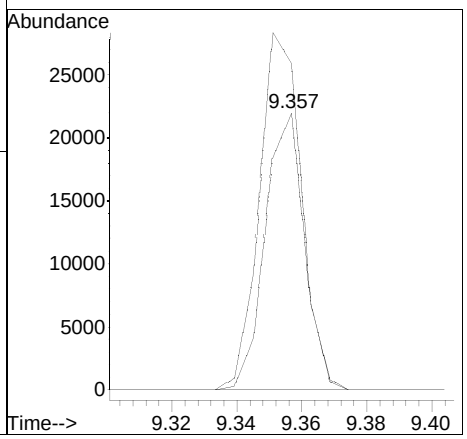


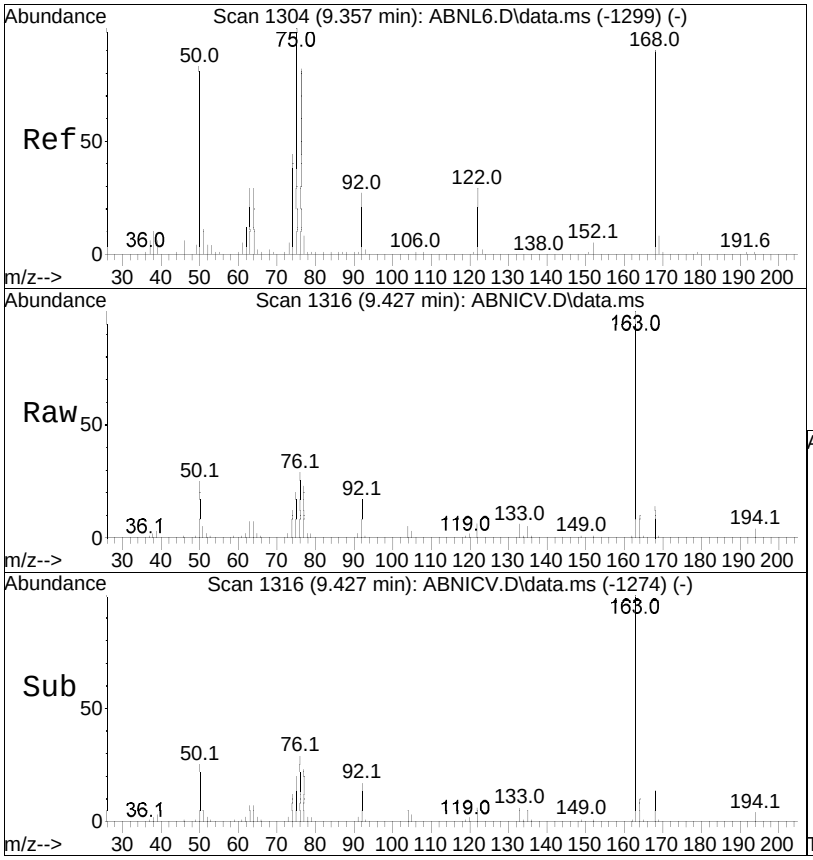


#49
1,4-Dinitrobenzene
Concen: 4.90 ug/ml
RT: 9.357 min Scan# 1304
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 18421

Ion	Ratio	Lower	Upper
168	100		
75	137.4	121.8	182.8

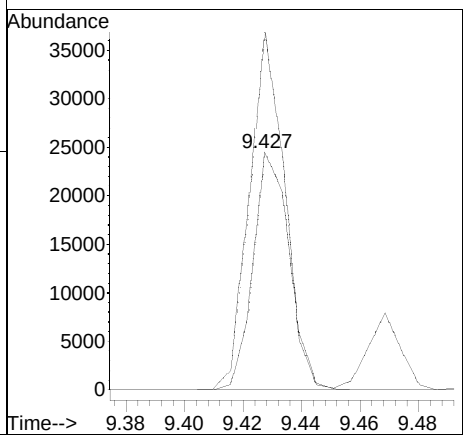


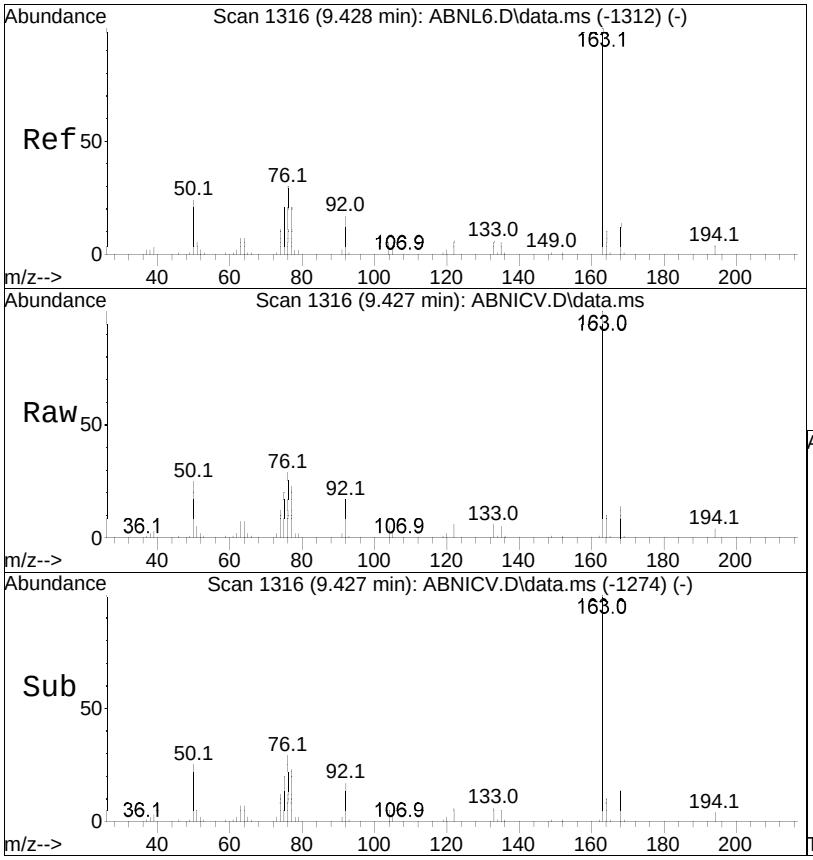


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 9.427 min Scan# 1316
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 20889

Ion	Ratio	Lower	Upper
168	100		
75	146.4	22.7	34.1#

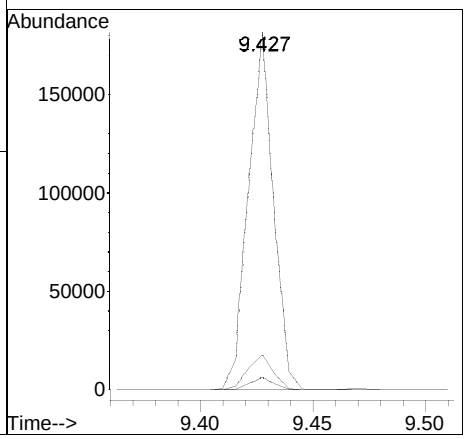


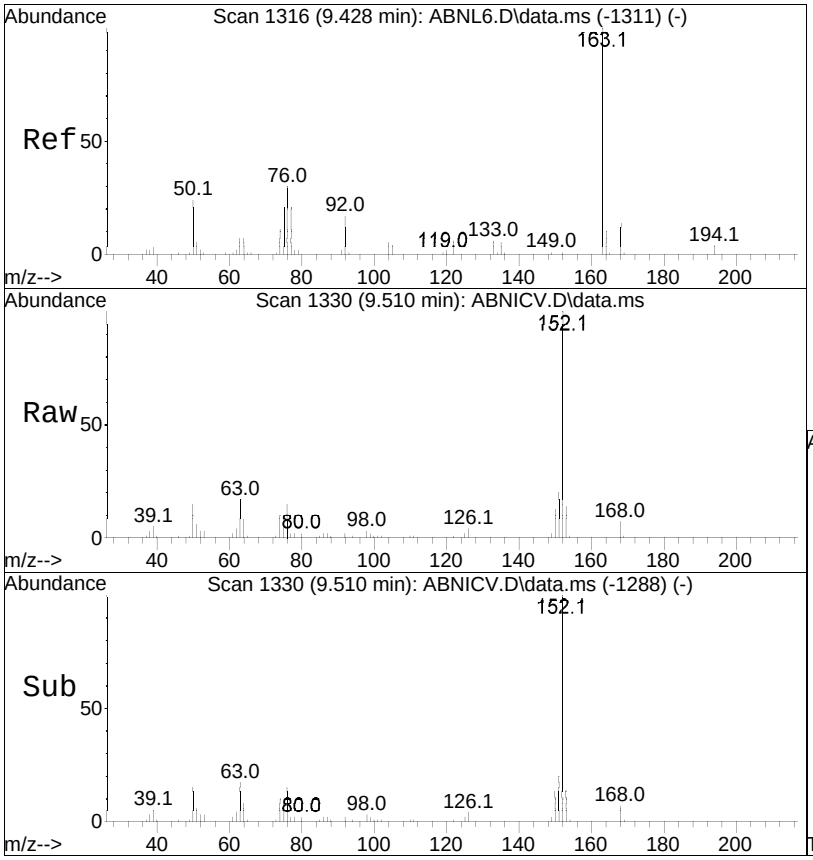


#51
Dimethyl phthalate
Concen: 4.81 ug/ml
RT: 9.427 min Scan# 1316
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:163 Resp: 138787

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.1	7.9	11.9

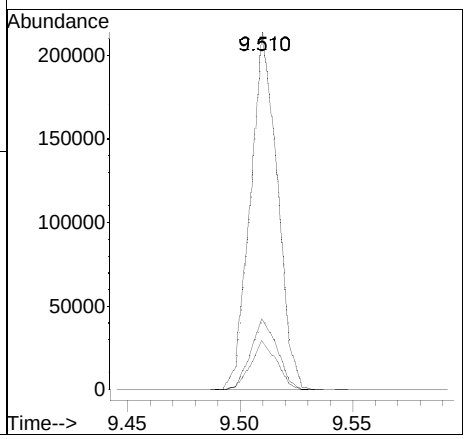


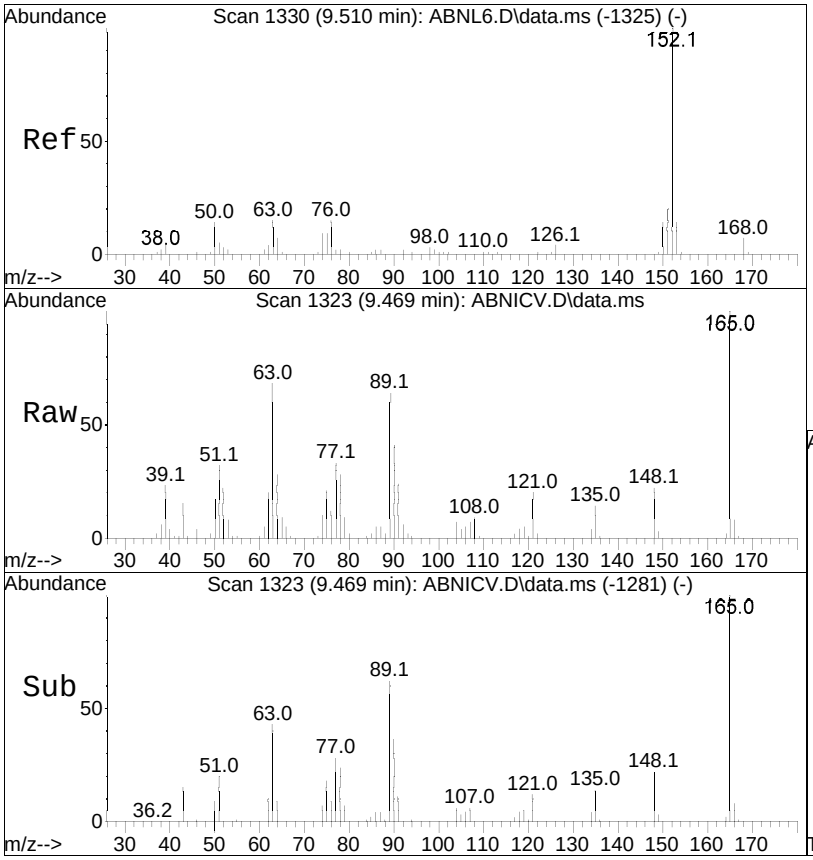


#52
Acenaphthylene
Concen: 4.86 ug/ml
RT: 9.510 min Scan# 1330
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:152 Resp: 176343

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.5	15.7

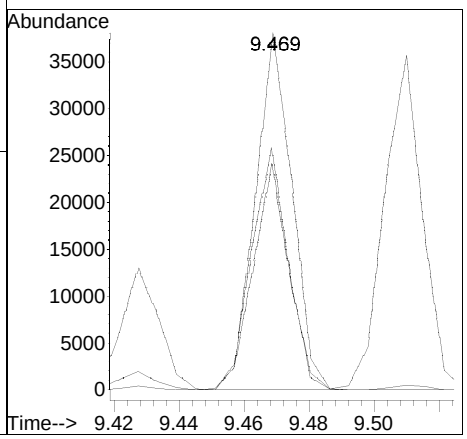


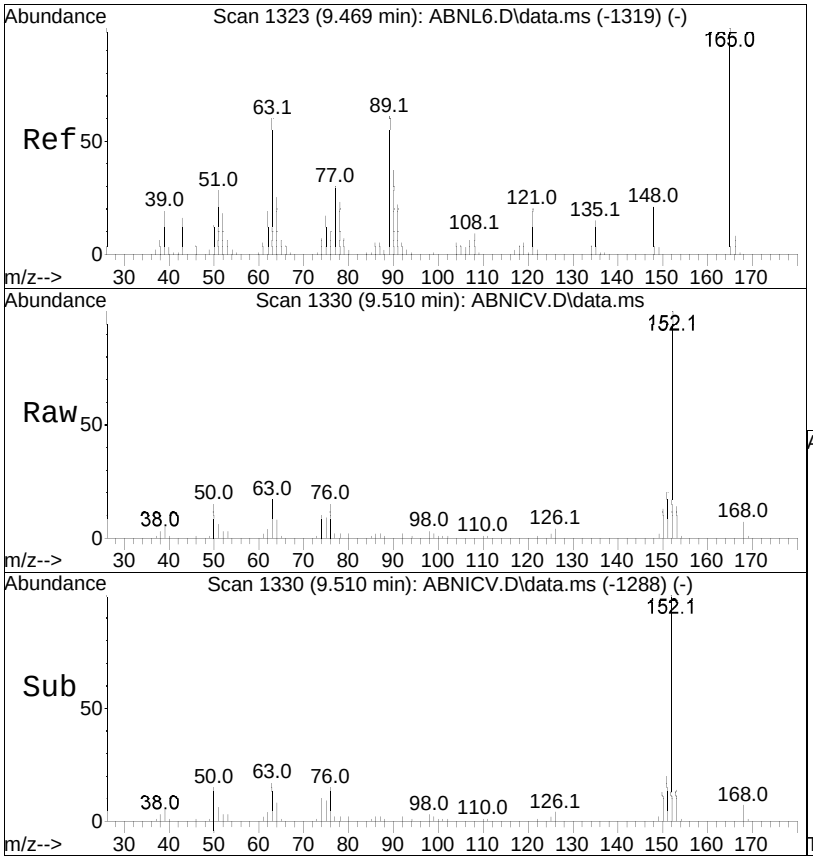


#53
2,6-Dinitrotoluene
Concen: 4.82 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:165 Resp: 29955

Ion	Ratio	Lower	Upper
165	100		
89	62.1	54.2	81.2
63	67.4	64.2	96.2

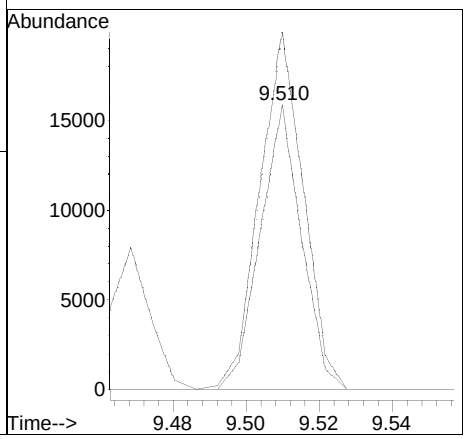


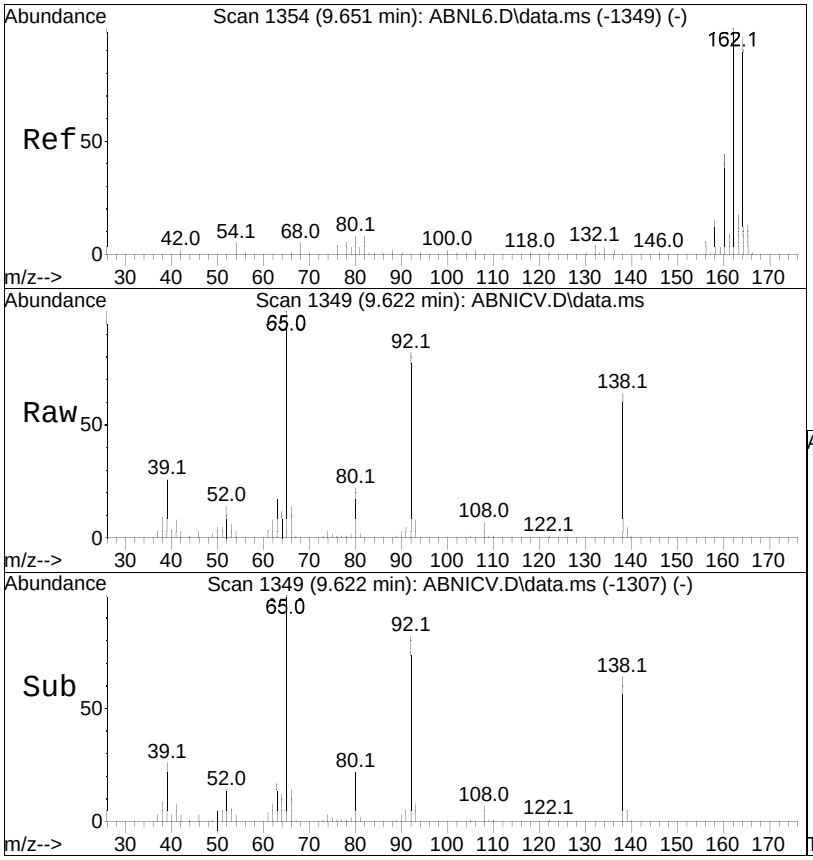


#54
1,2-Dinitrobenzene
Concen: 4.67 ug/ml
RT: 9.510 min Scan# 1330
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 12362

Ion	Ratio	Lower	Upper
168	100		
75	133.3	30.9	46.3#

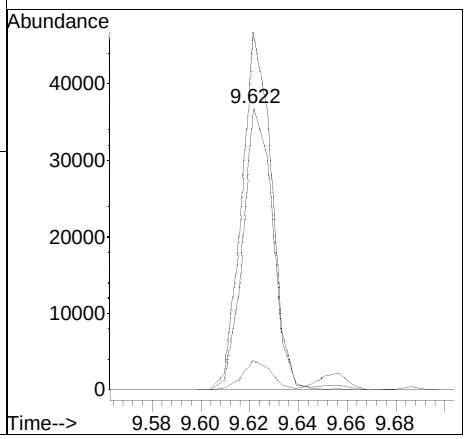


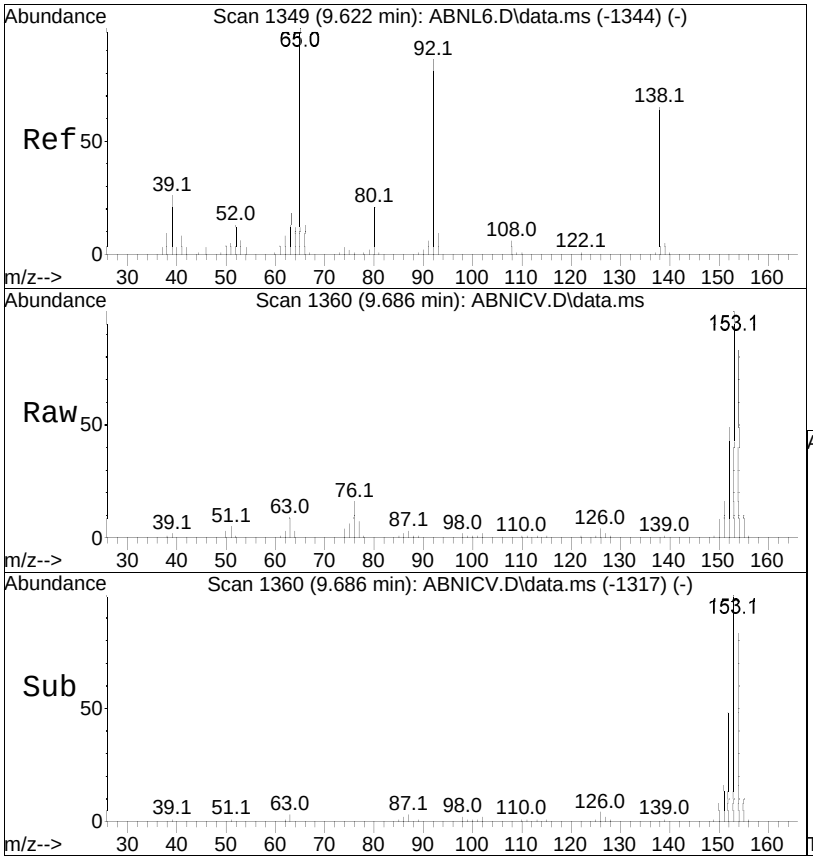


#64
3-Nitroaniline
Concen: 5.14 ug/ml
RT: 9.622 min Scan# 1349
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 31209

Ion	Ratio	Lower	Upper
138	100		
92	126.5	93.4	140.2
108	10.3	9.5	14.3

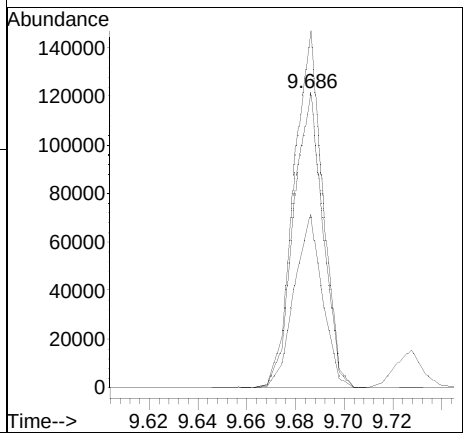


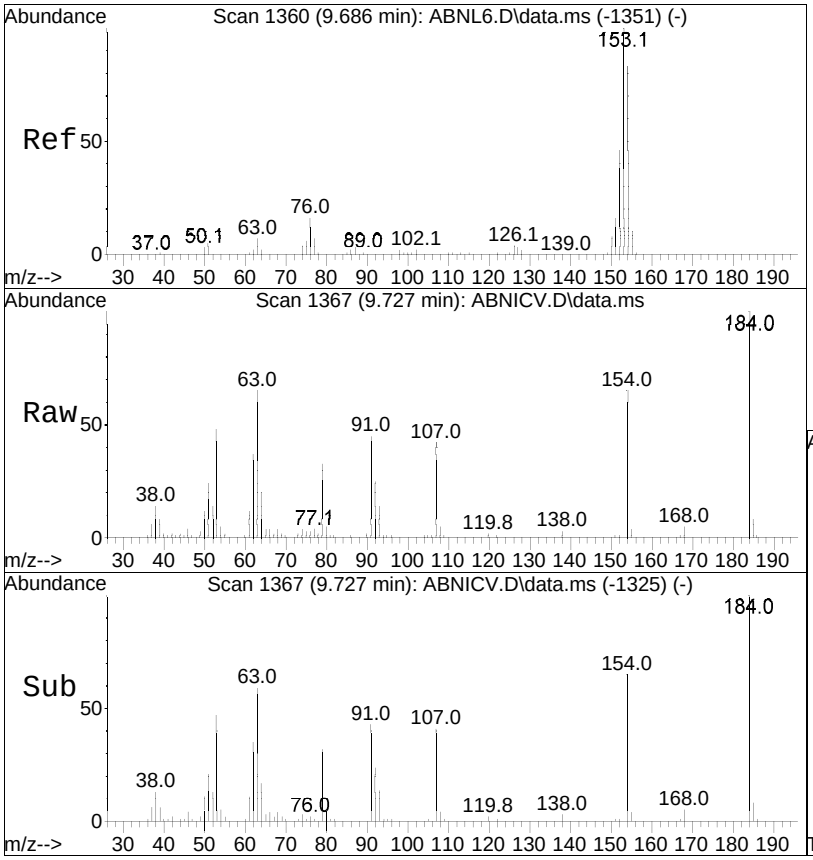


#65
Acenaphthene
Concen: 4.65 ug/ml
RT: 9.686 min Scan# 1360
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:154 Resp: 101856

Ion	Ratio	Lower	Upper
154	100		
153	118.5	85.3	127.9
152	56.5	41.4	62.0

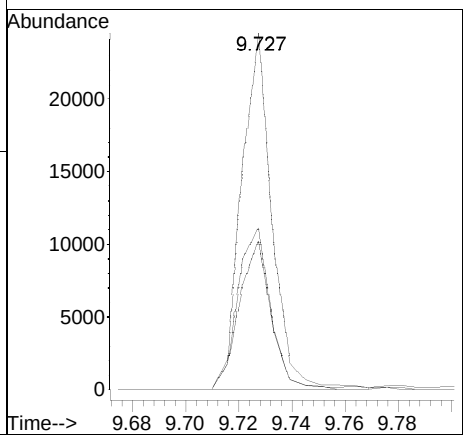


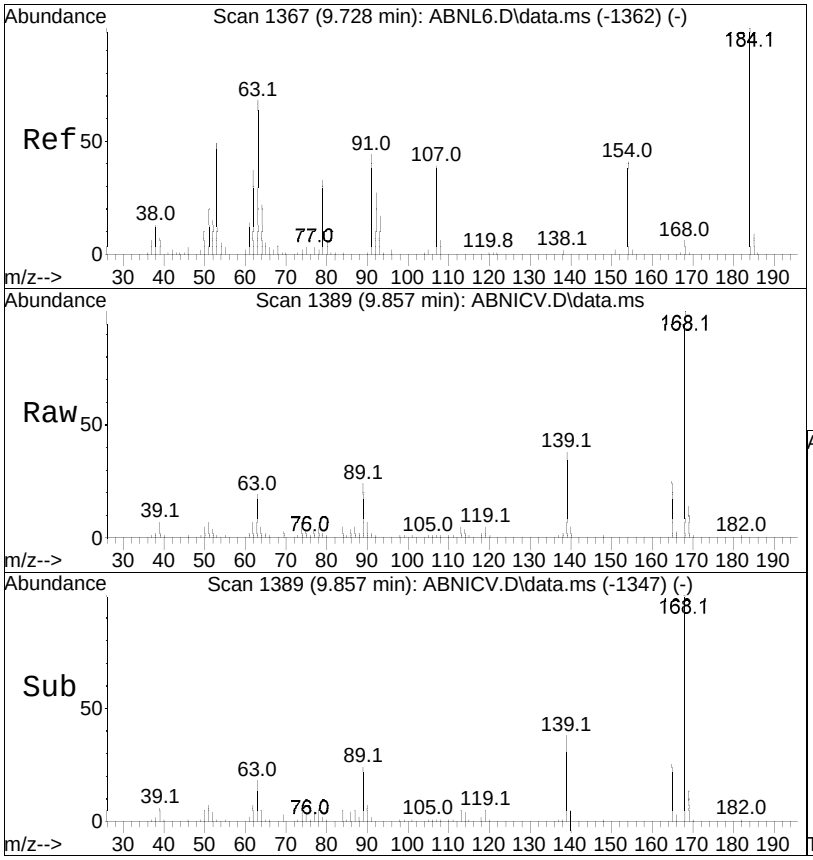


#66
2,4-Dinitrophenol
Concen: 4.79 ug/ml
RT: 9.727 min Scan# 1367
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:184 Resp: 19408

Ion	Ratio	Lower	Upper
184	100		
107	44.0	37.7	56.5
91	49.1	46.3	69.5

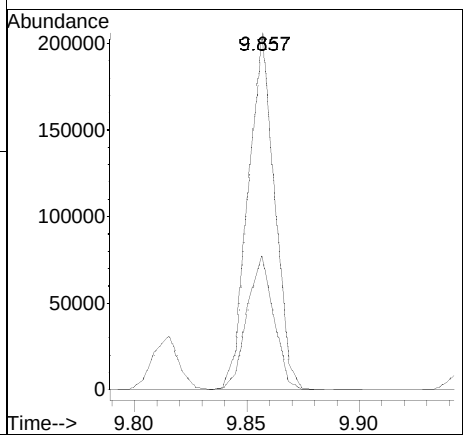


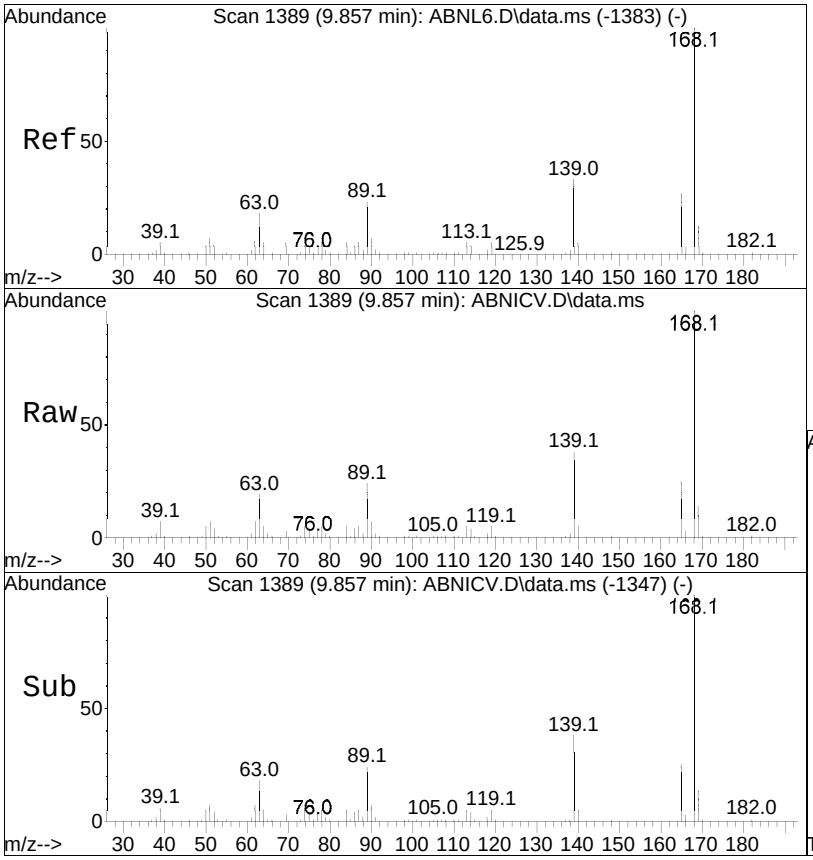


#67
Dibenzofuran
Concen: 4.54 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 167081

Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.4	47.2

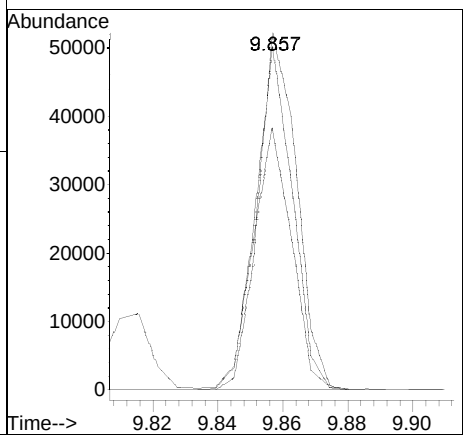


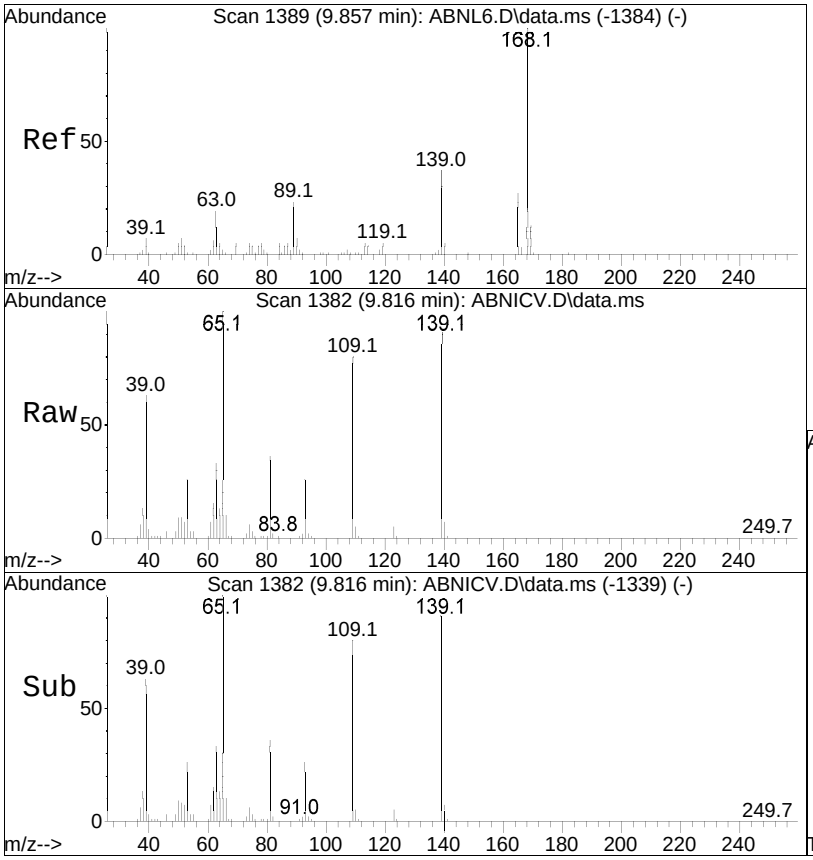


#68
2,4-Dinitrotoluene
Concen: 4.73 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:165 Resp: 42694

Ion	Ratio	Lower	Upper
165	100		
89	92.3	72.0	108.0
63	73.8	52.7	79.1

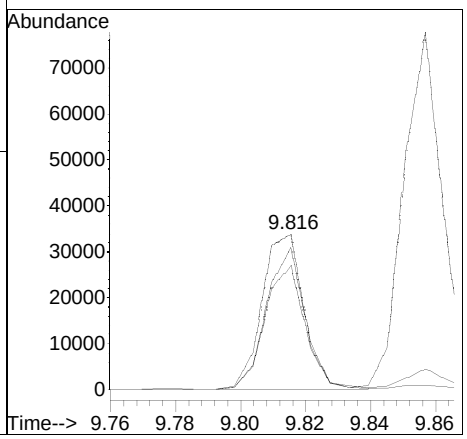


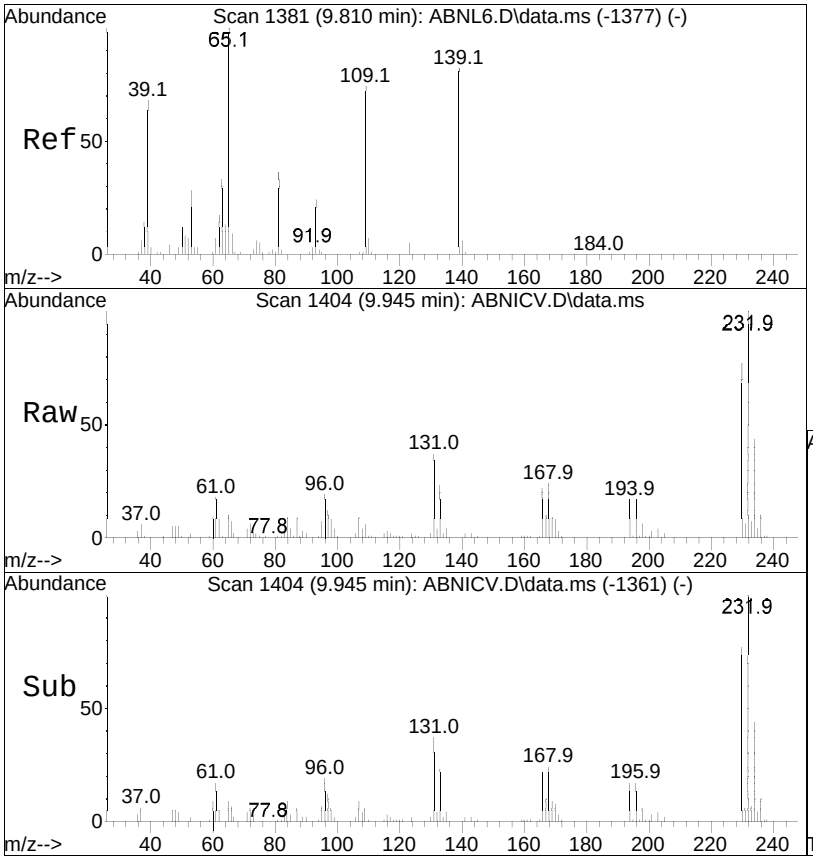


#69
4-Nitrophenol
Concen: 4.94 ug/ml
RT: 9.816 min Scan# 1382
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 65 Resp: 30360

Ion	Ratio	Lower	Upper
65	100		
109	76.3	47.4	71.2#
139	84.1	76.6	115.0

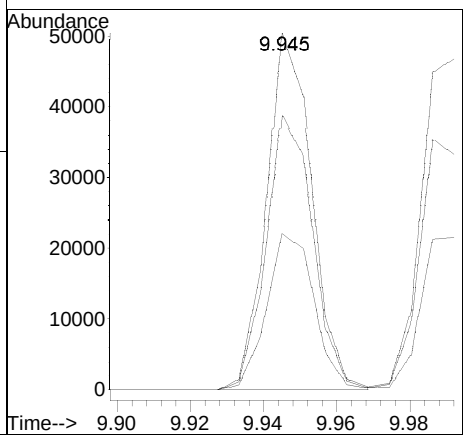


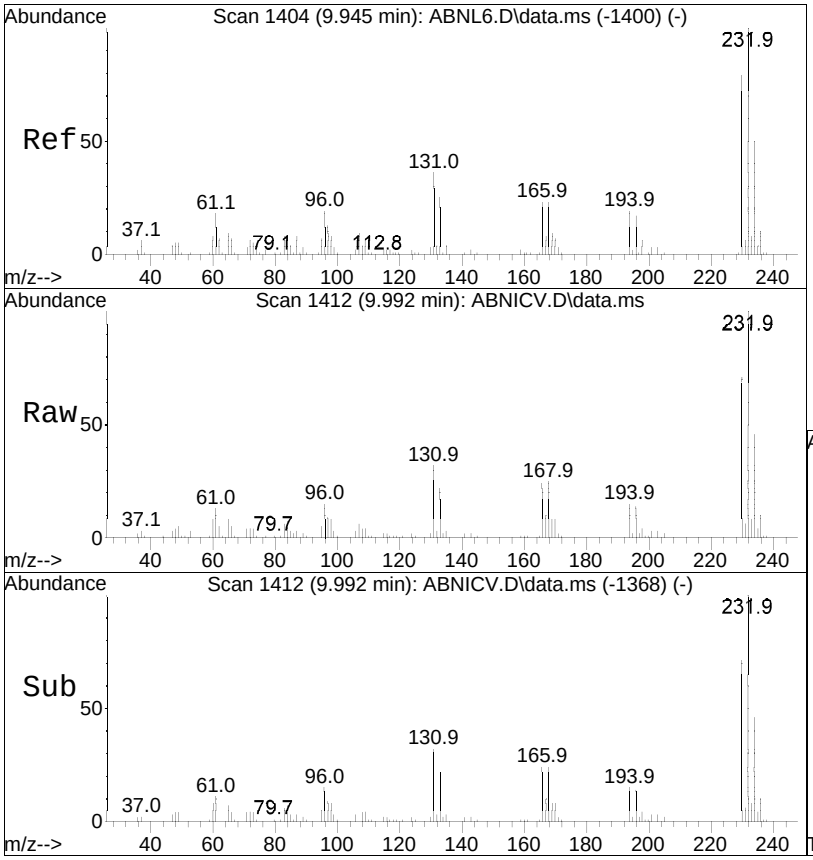


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.04 ug/ml
RT: 9.945 min Scan# 1404
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:232 Resp: 43280

Ion	Ratio	Lower	Upper
232	100		
230	79.5	64.2	96.4
234	46.3	38.1	57.1

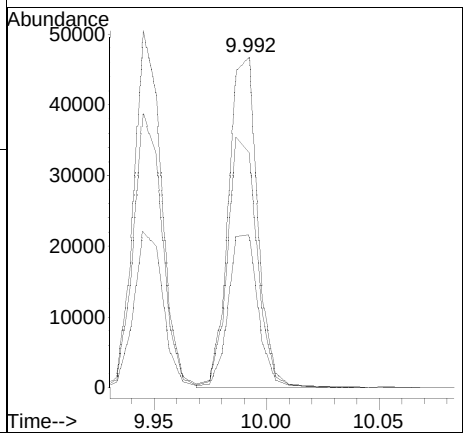


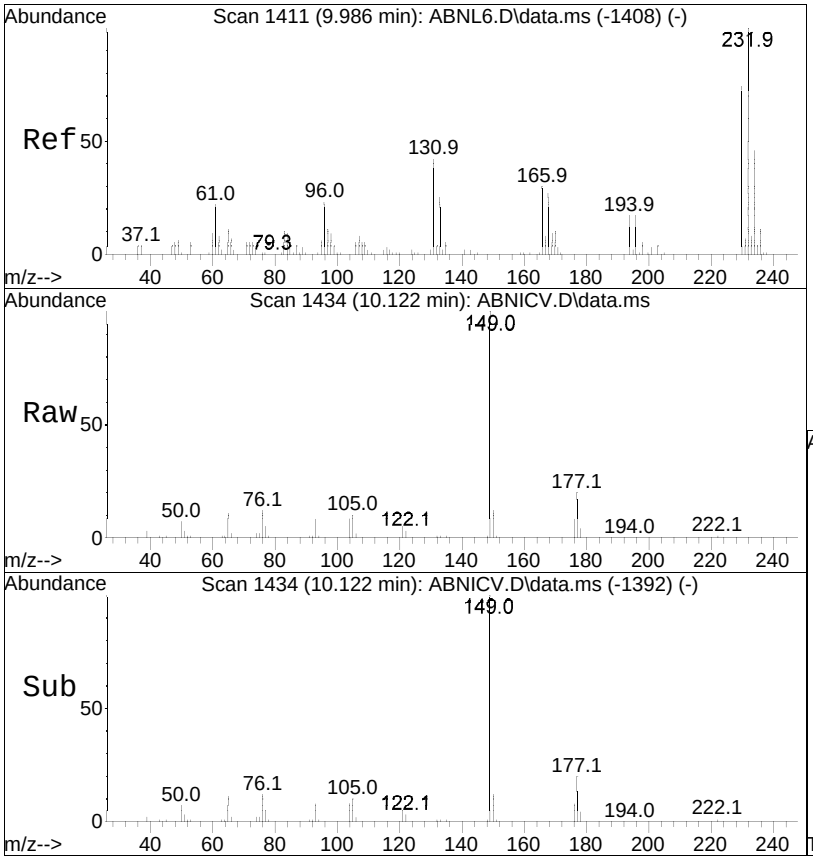


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.13 ug/ml
RT: 9.992 min Scan# 1412
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:232 Resp: 42390

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.4	36.2	54.2

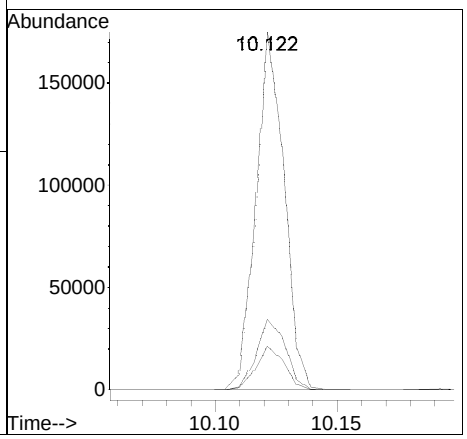


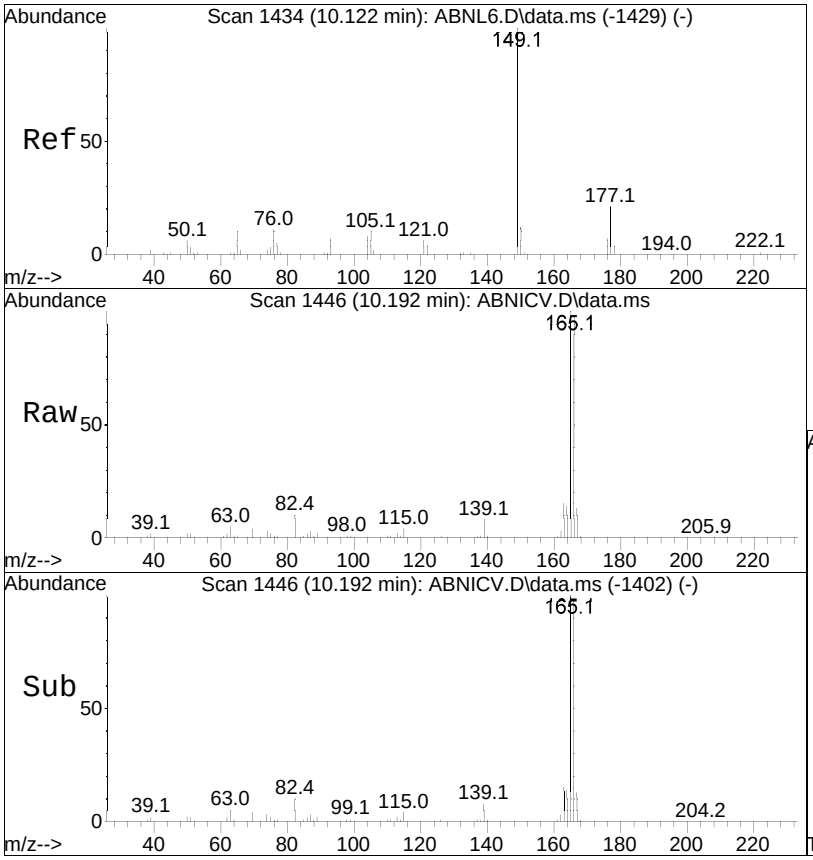


#72
Diethyl phthalate
Concen: 4.76 ug/ml
RT: 10.122 min Scan# 1434
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 138268

Ion	Ratio	Lower	Upper
149	100		
177	20.5	16.1	24.1
150	12.4	9.4	14.2

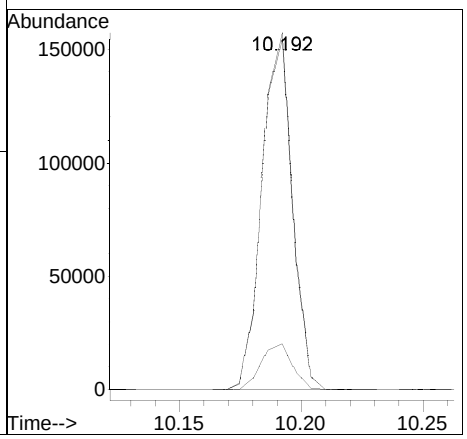


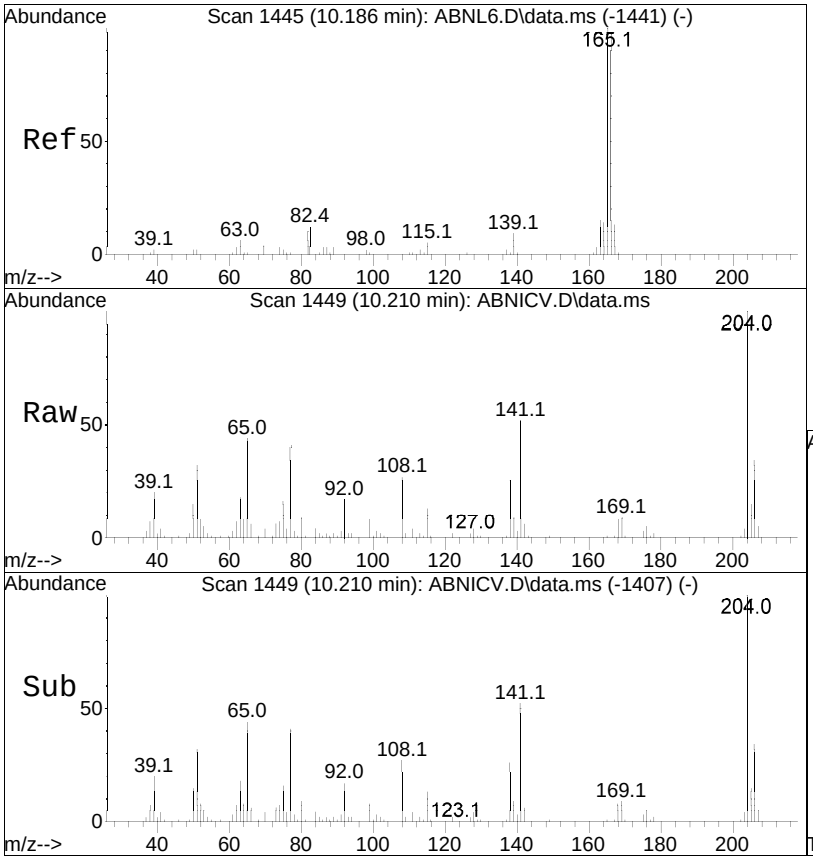


#73
Fluorene
Concen: 4.66 ug/ml
RT: 10.192 min Scan# 1446
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:166 Resp: 134876

Ion	Ratio	Lower	Upper
166	100		
165	101.6	76.2	114.2
167	13.8	10.6	15.8

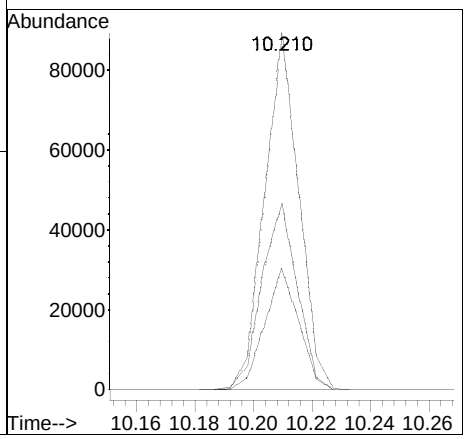


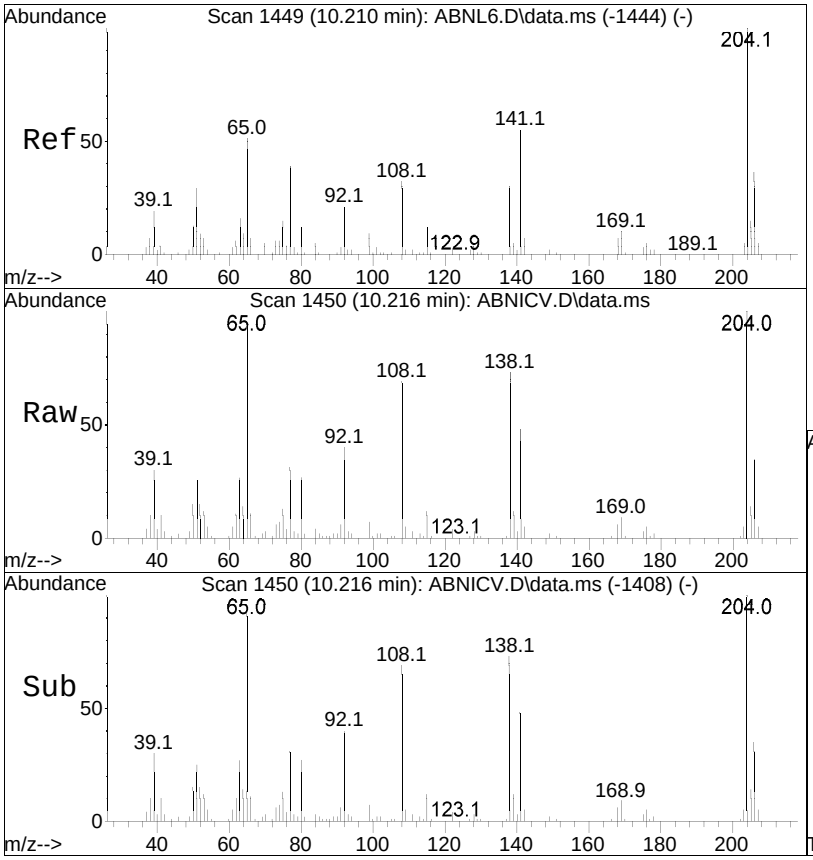


#74
4-Chlorophenyl phenyl ether
Concen: 4.72 ug/ml
RT: 10.210 min Scan# 1449
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:204 Resp: 71803

Ion	Ratio	Lower	Upper
204	100		
206	34.2	25.8	38.6
141	54.5	53.6	80.4

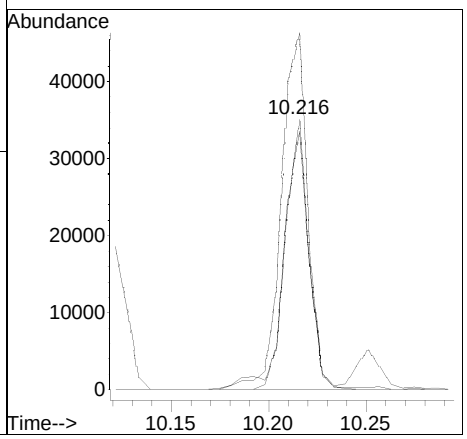


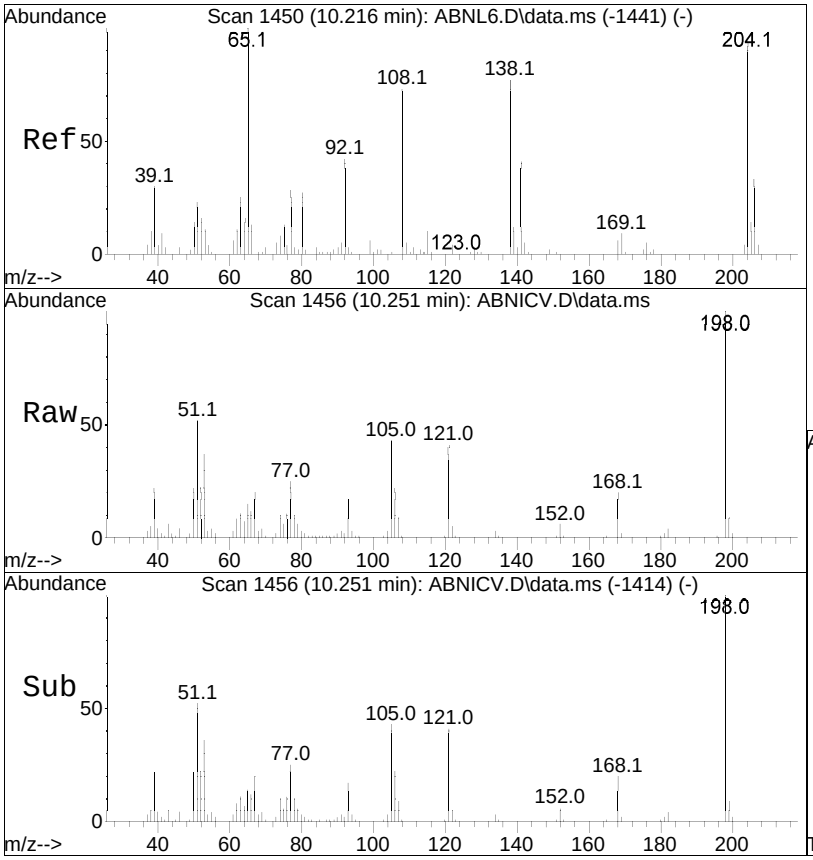


#75
4-Nitroaniline
Concen: 4.80 ug/ml
RT: 10.216 min Scan# 1450
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 30300

Ion	Ratio	Lower	Upper
138	100		
108	93.9	52.1	78.1#
65	142.9	115.0	172.6

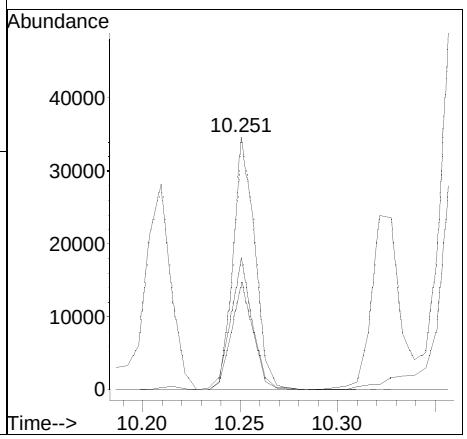


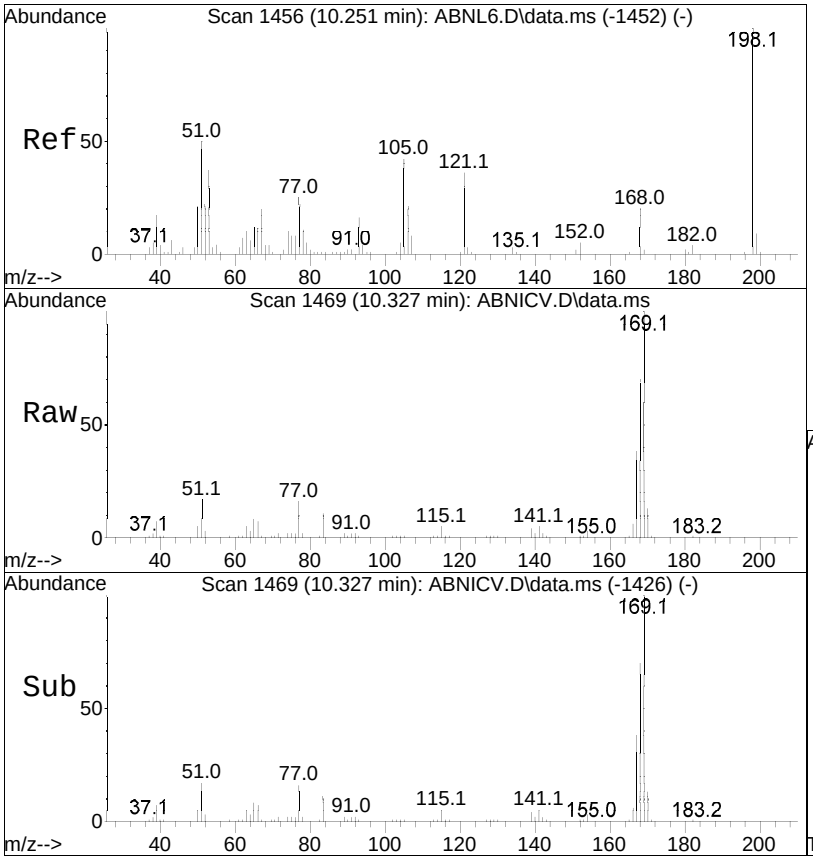


#76
4,6-Dinitro-o-cresol
Concen: 5.40 ug/ml
RT: 10.251 min Scan# 1456
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:198 Resp: 27327

Ion	Ratio	Lower	Upper
198	100		
51	52.6	76.0	114.0#
105	42.7	45.6	68.4#

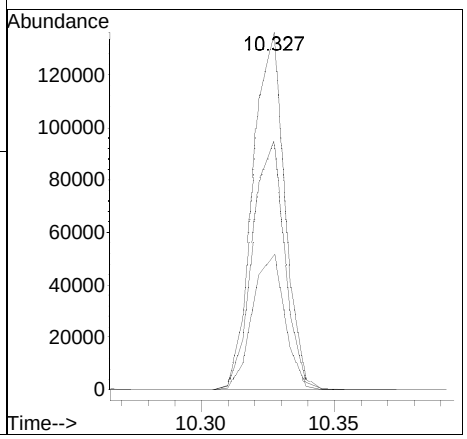


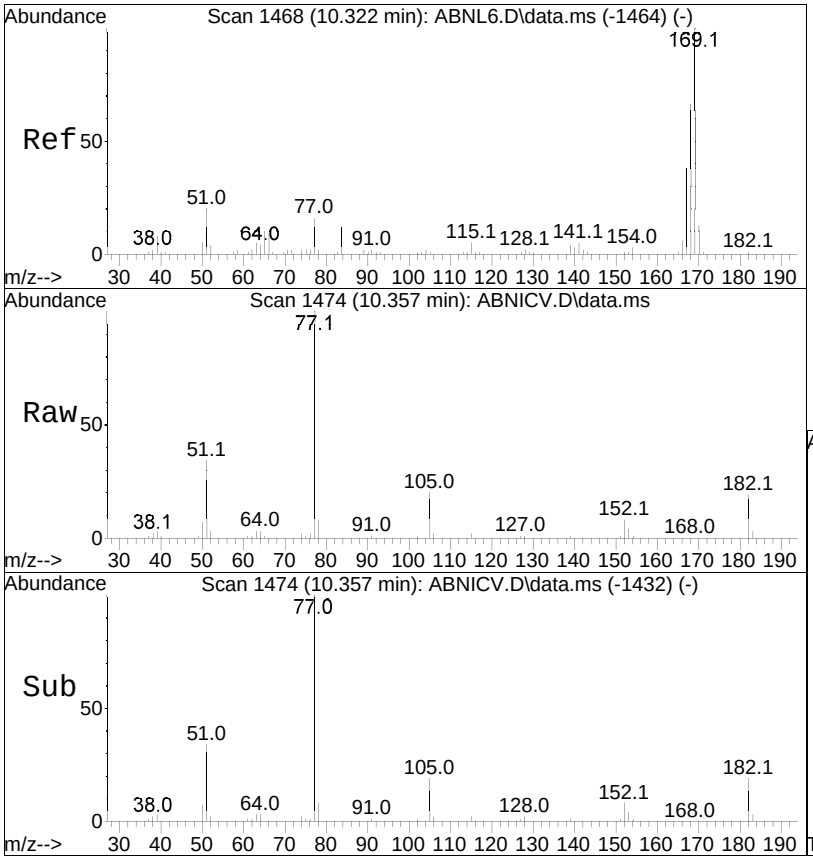


#77
NDPA/DPA
Concen: 4.73 ug/ml
RT: 10.327 min Scan# 1469
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:169 Resp: 113489

Ion	Ratio	Lower	Upper
169	100		
168	70.7	54.0	81.0
167	38.8	28.6	42.8

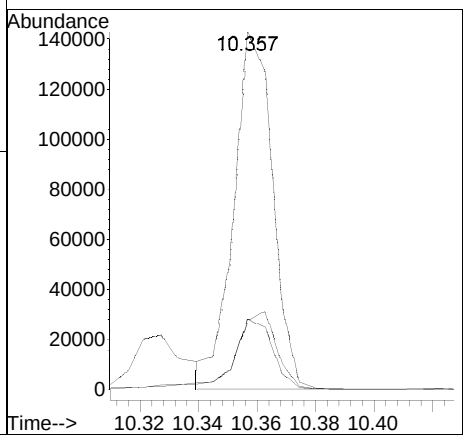


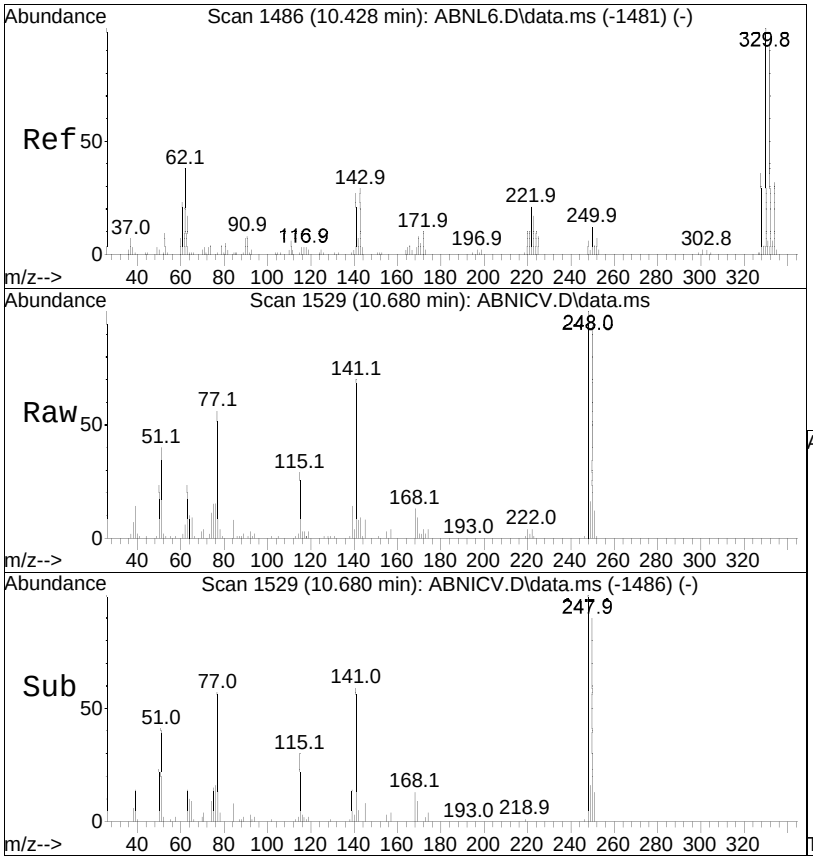


#78
Azobenzene
Concen: 4.76 ug/ml
RT: 10.357 min Scan# 1474
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 77 Resp: 130690

Ion	Ratio	Lower	Upper
77	100		
182	24.0	17.4	26.2
105	21.5	15.4	23.2

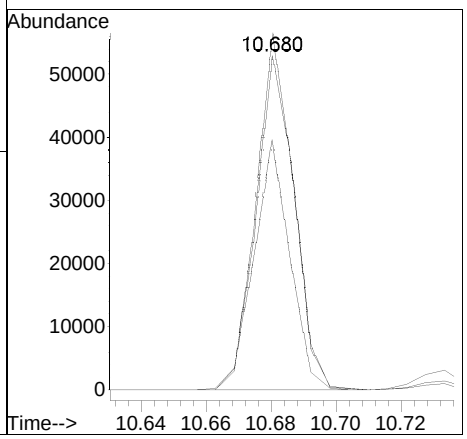


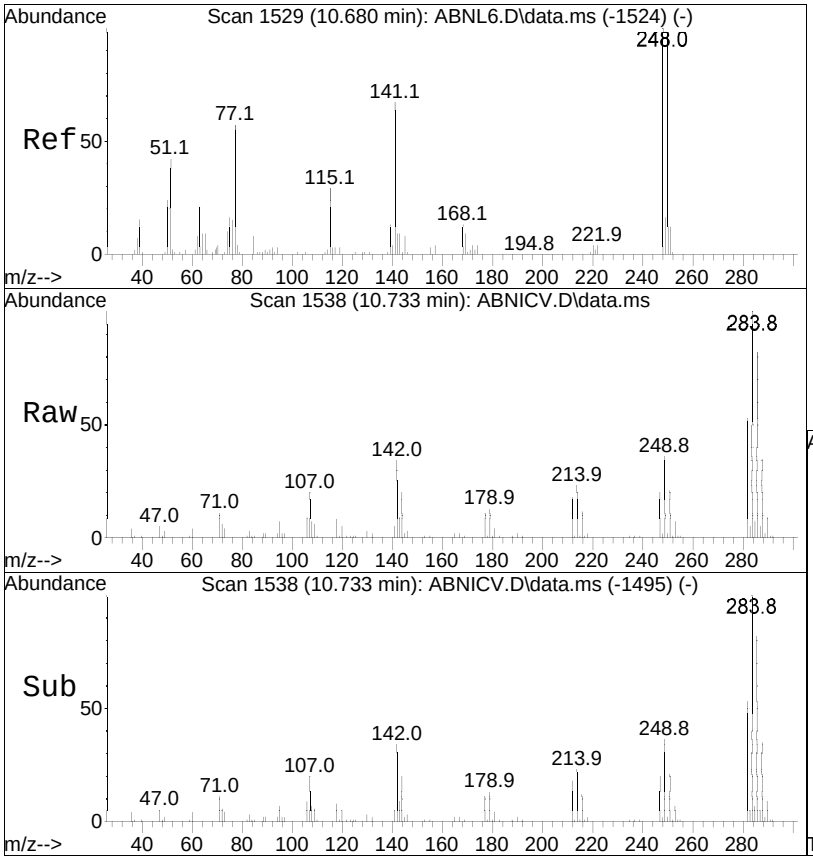


#80
4-Bromophenyl phenyl ether
Concen: 4.73 ug/ml
RT: 10.680 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:248 Resp: 44914

Ion	Ratio	Lower	Upper
248	100		
141	67.7	76.6	114.8#
250	96.8	77.3	115.9

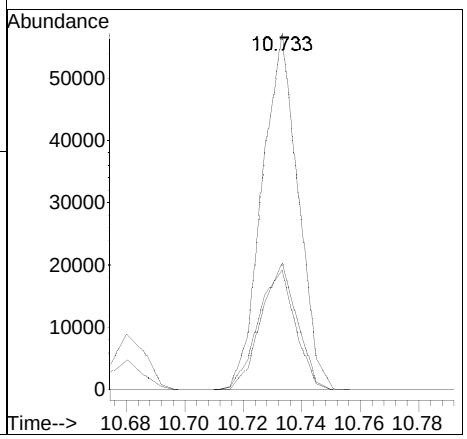


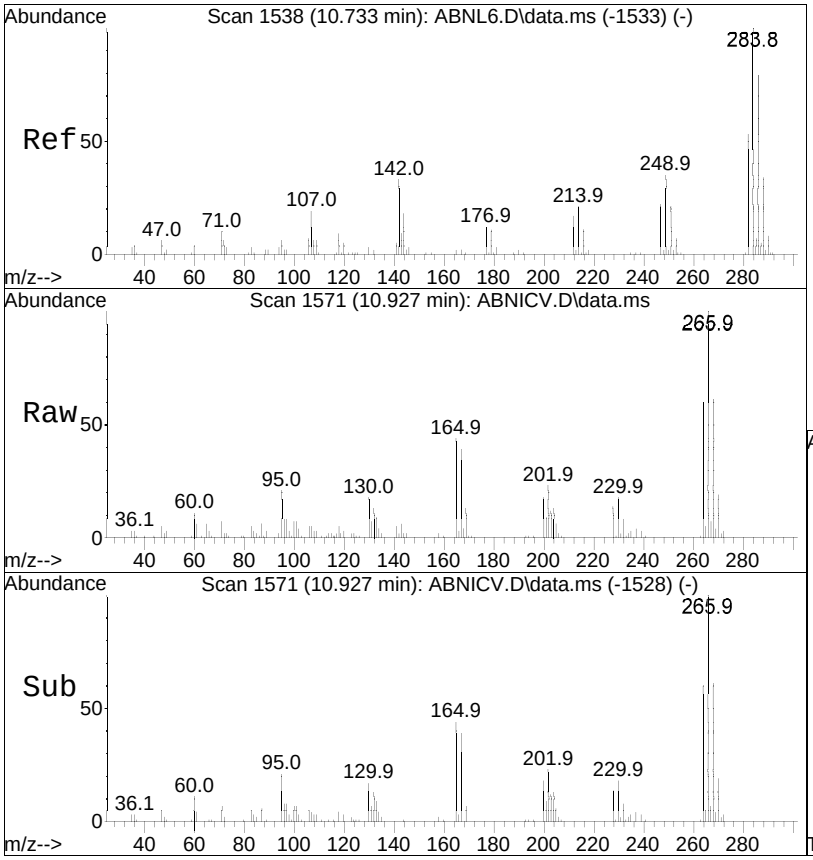


#81
Hexachlorobenzene
Concen: 4.53 ug/ml
RT: 10.733 min Scan# 1538
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:284 Resp: 49006

Ion	Ratio	Lower	Upper
284	100		
142	35.0	41.9	62.9#
249	35.5	24.1	36.1

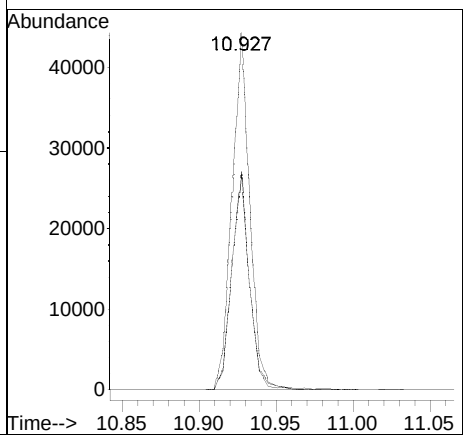


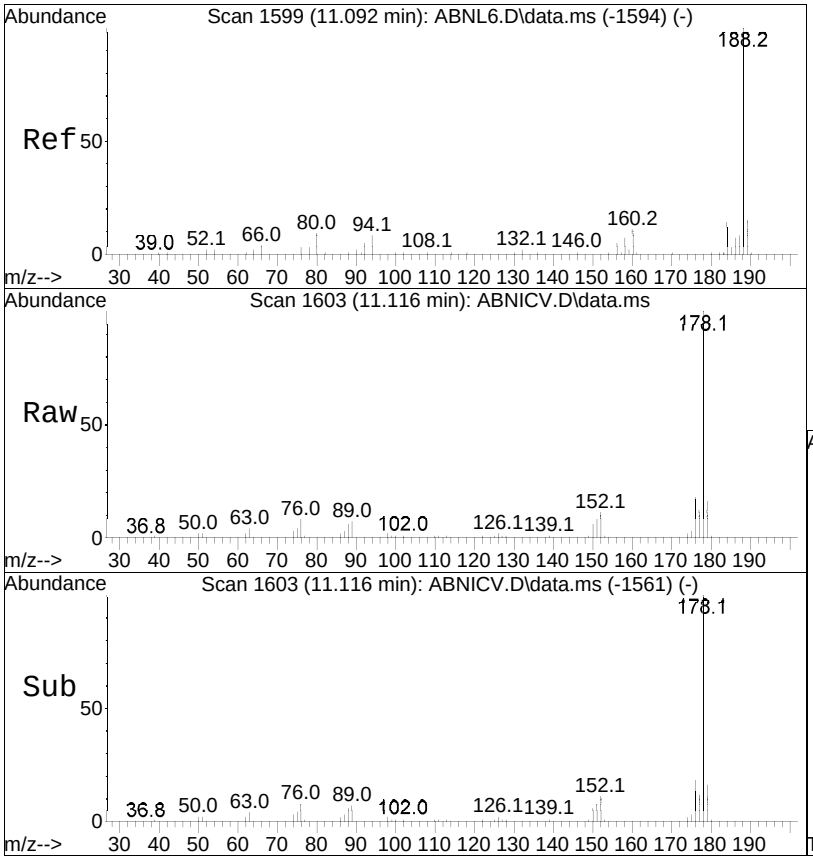


#82
Pentachlorophenol
Concen: 5.23 ug/ml
RT: 10.927 min Scan# 1571
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:266 Resp: 35912

Ion	Ratio	Lower	Upper
266	100		
264	59.2	49.7	74.5
268	60.4	50.5	75.7

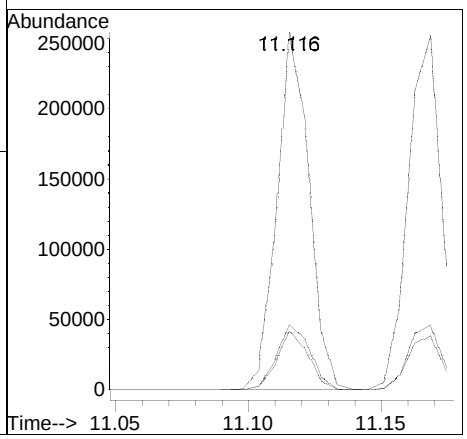


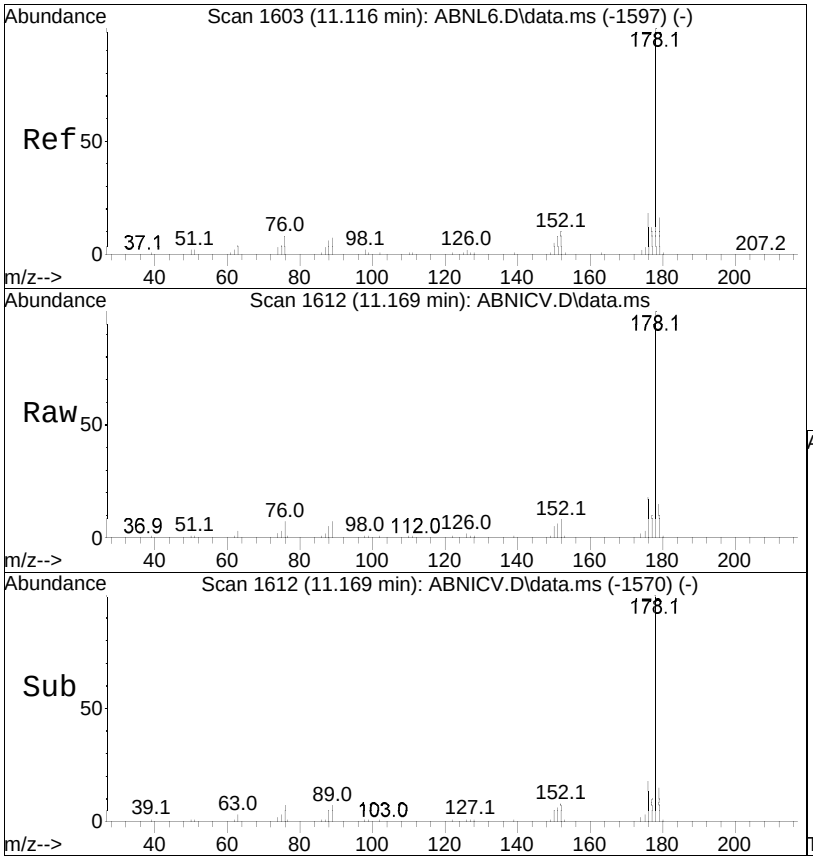


#89
Phenanthrene
Concen: 4.41 ug/ml
RT: 11.116 min Scan# 1603
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:178 Resp: 214102

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	18.9	15.4	23.2

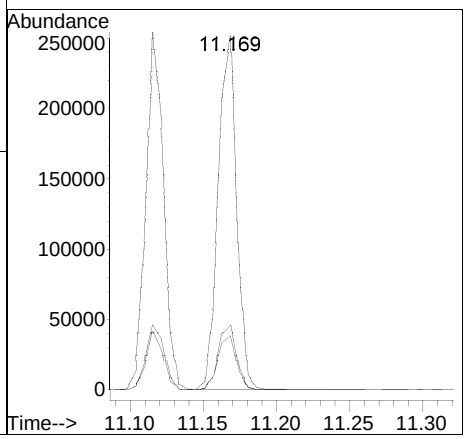


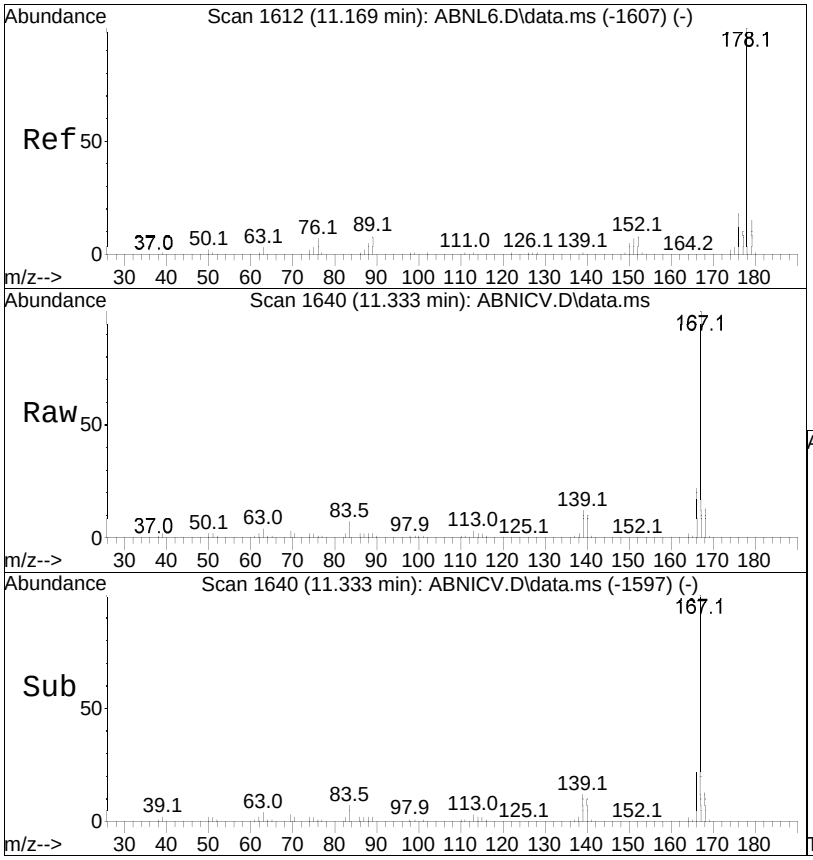


#90
Anthracene
Concen: 4.61 ug/ml
RT: 11.169 min Scan# 1612
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:178 Resp: 222491

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.3	14.6	22.0

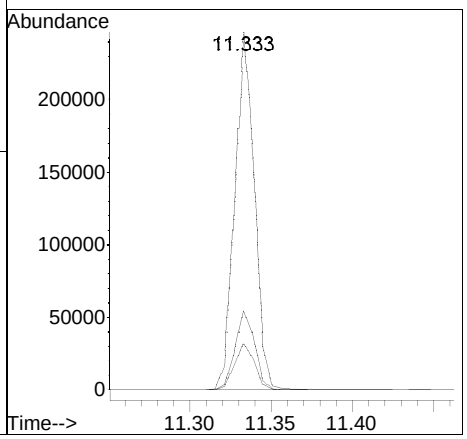


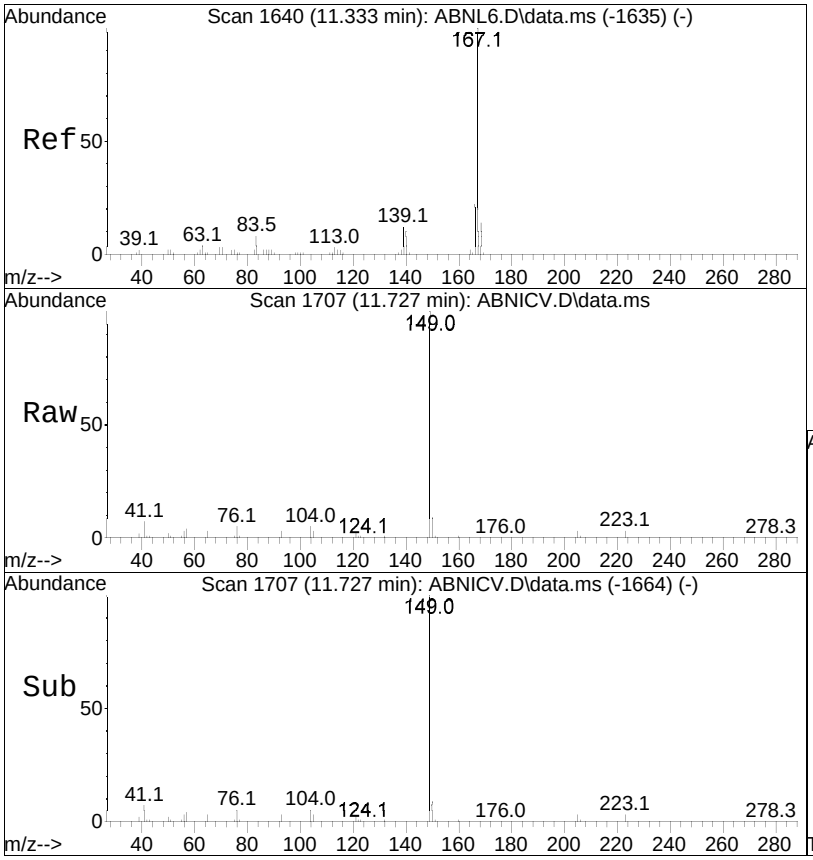


#91
Carbazole
Concen: 4.62 ug/ml
RT: 11.333 min Scan# 1640
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:167 Resp: 204021

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	22.2	17.4	26.0

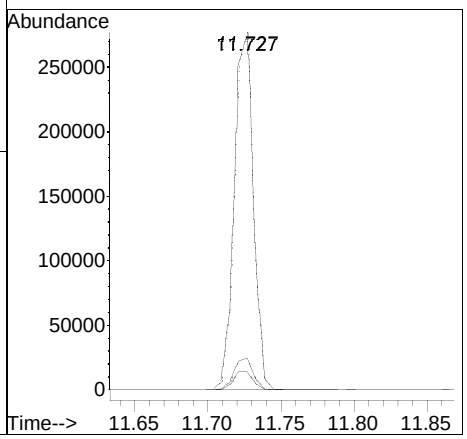


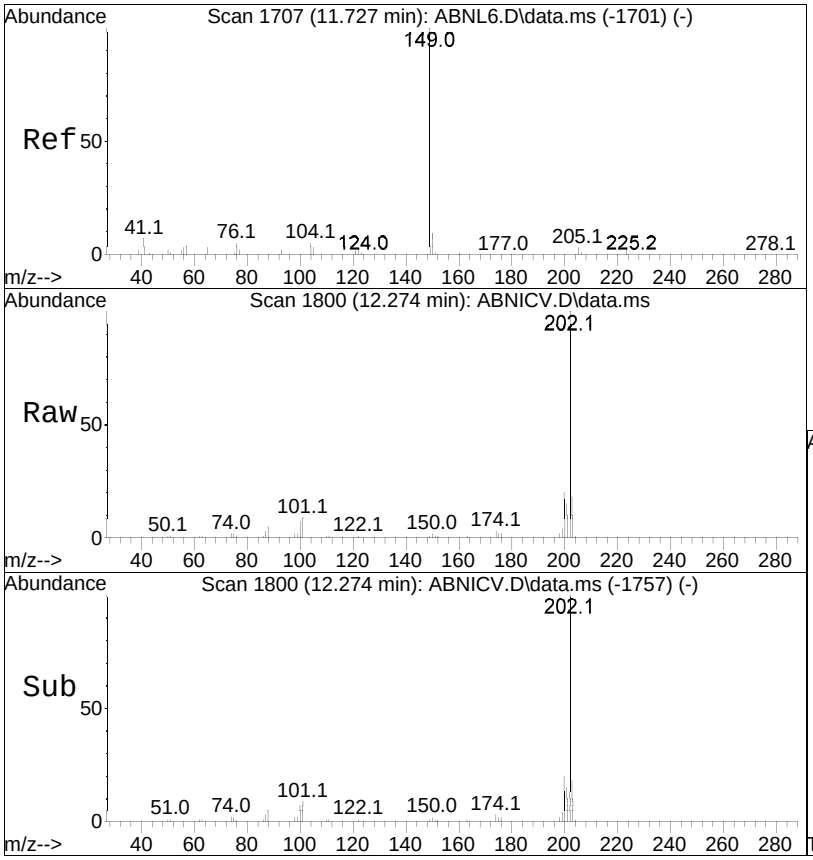


#92
Di-n-butylphthalate
Concen: 4.75 ug/ml
RT: 11.727 min Scan# 1707
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 246456

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	5.4	4.5	6.7

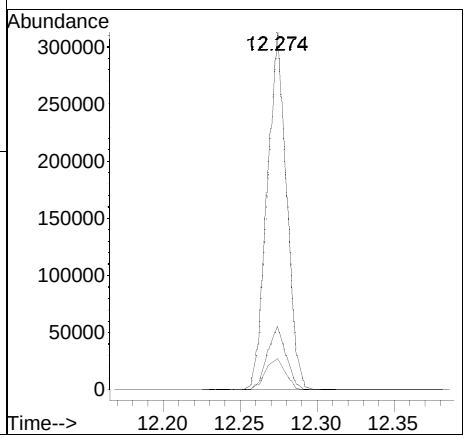


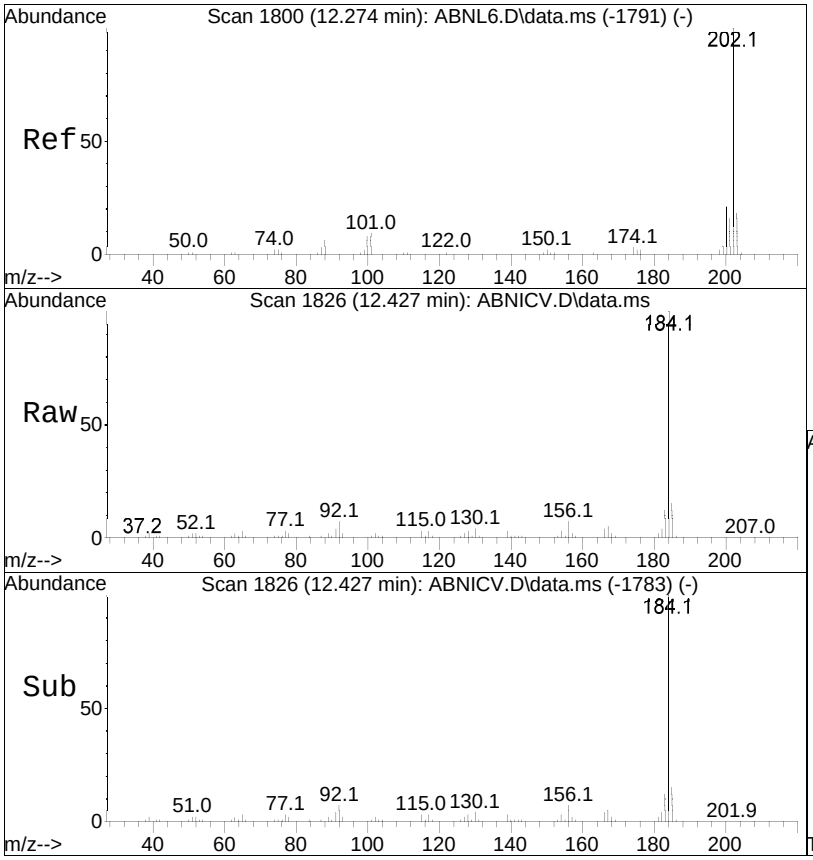


#93
Fluoranthene
Concen: 4.57 ug/ml
RT: 12.274 min Scan# 1800
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:202 Resp: 270824

Ion	Ratio	Lower	Upper
202	100		
101	9.2	13.5	20.3#
203	17.4	13.6	20.4

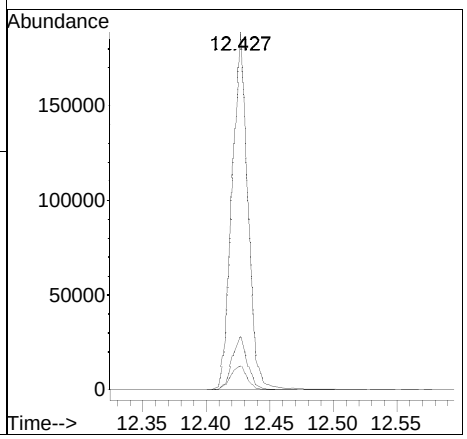


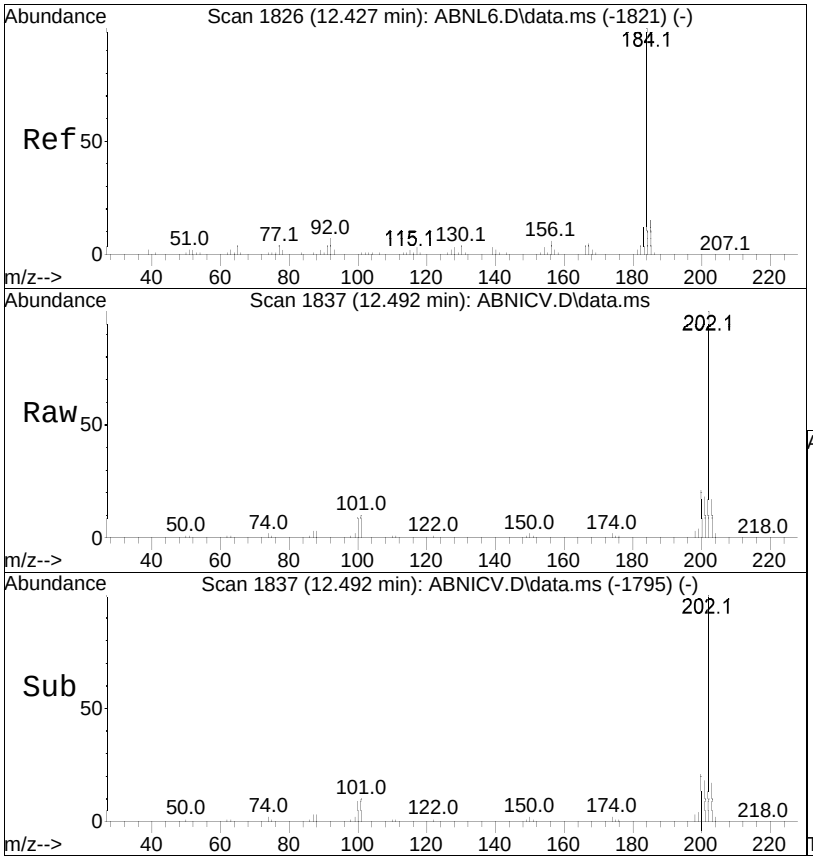


#94
Benzidine
Concen: 5.00 ug/ml
RT: 12.427 min Scan# 1826
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:184 Resp: 161127

Ion	Ratio	Lower	Upper
184	100		
92	7.1	9.1	13.7#
185	14.7	11.1	16.7

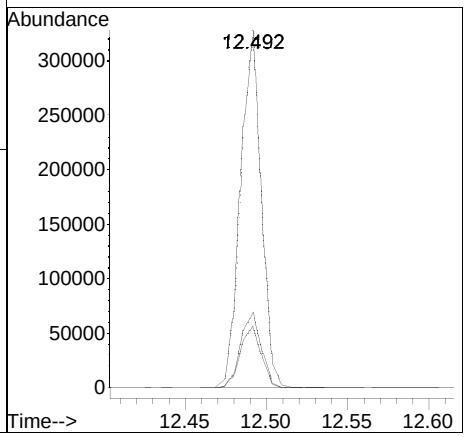


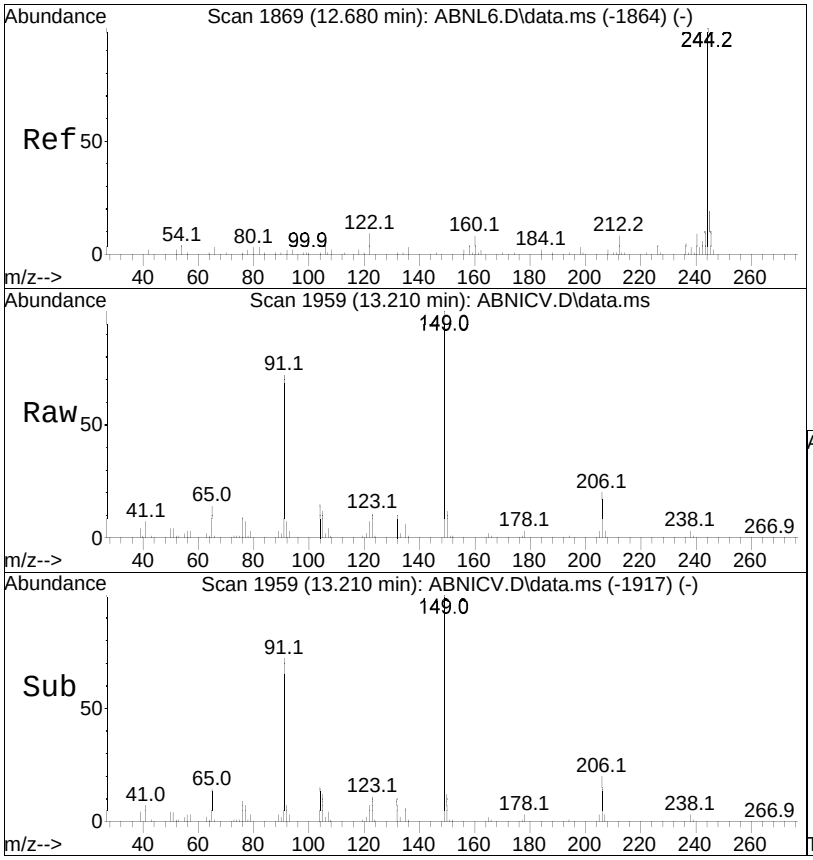


#95
Pyrene
Concen: 4.61 ug/ml
RT: 12.492 min Scan# 1837
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:202 Resp: 288357

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.6	14.2	21.4

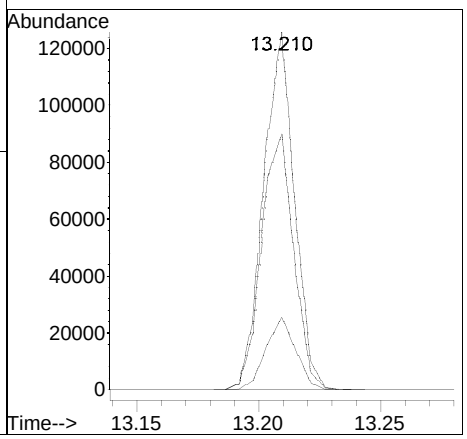


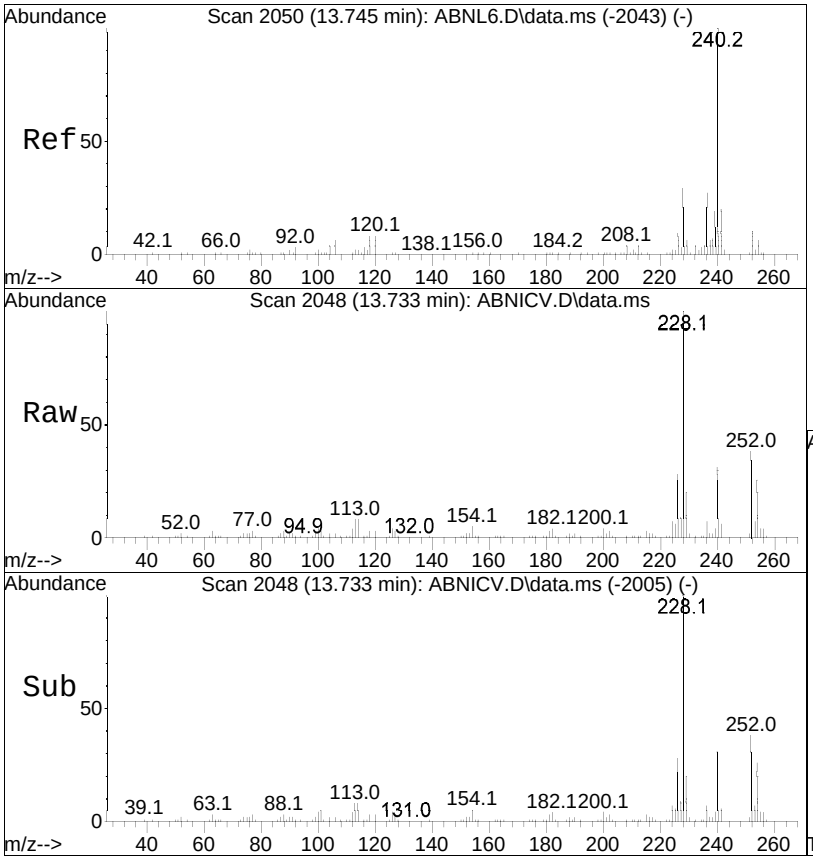


#97
Butyl benzyl phthalate
Concen: 4.59 ug/ml
RT: 13.210 min Scan# 1959
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 109619

Ion	Ratio	Lower	Upper
149	100		
91	74.8	63.3	94.9
206	19.8	13.9	20.9

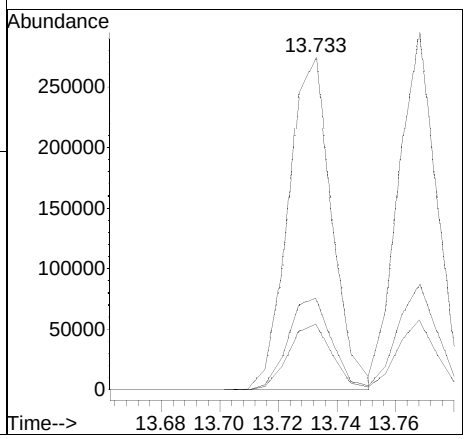


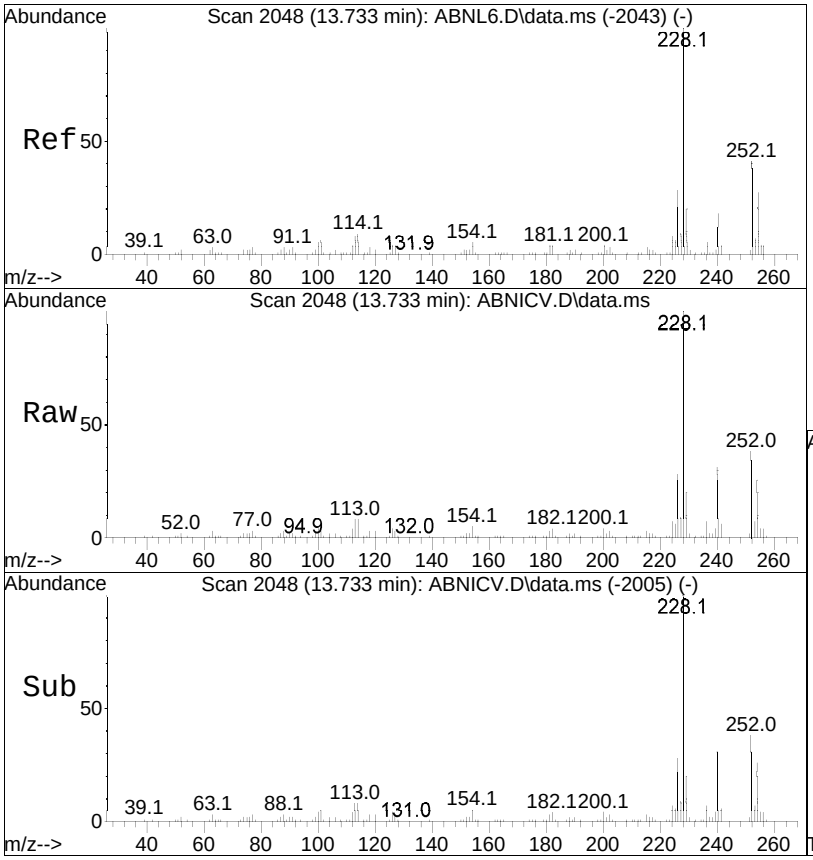


#105
Benzo(a)anthracene
Concen: 4.47 ug/ml
RT: 13.733 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:228 Resp: 283411

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	20.0	15.6	23.4

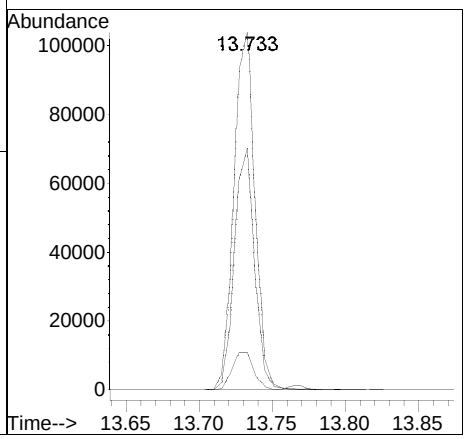


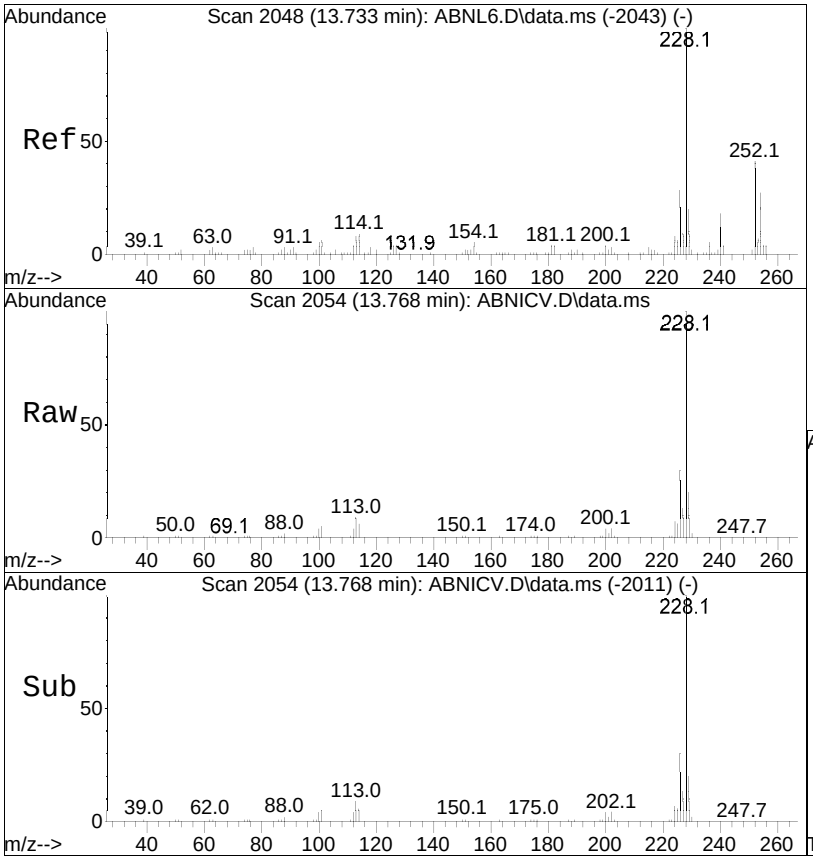


#106
3,3'-Dichlorobenzidine
Concen: 4.93 ug/ml
RT: 13.733 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 103514

Ion	Ratio	Lower	Upper
252	100		
126	11.0	14.5	21.7#
254	64.8	51.2	76.8

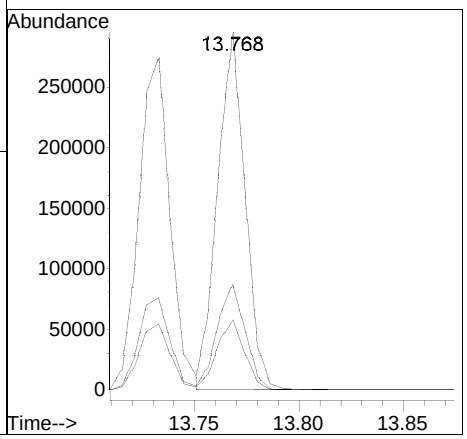


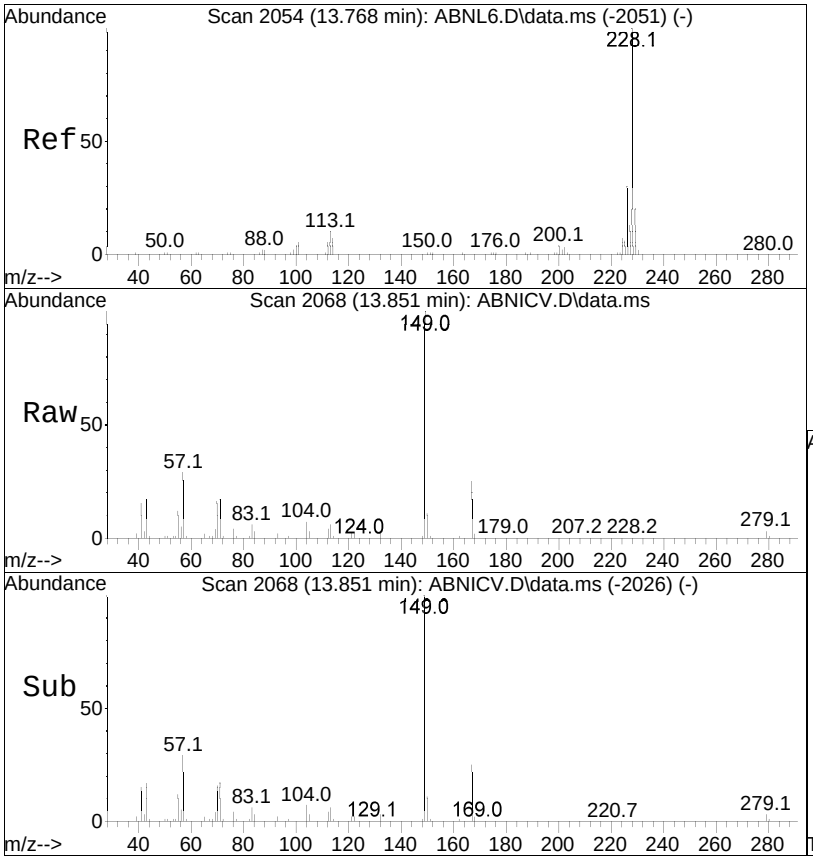


#107
Chrysene
Concen: 4.42 ug/ml
RT: 13.768 min Scan# 2054
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:228 Resp: 270744

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.8	23.8

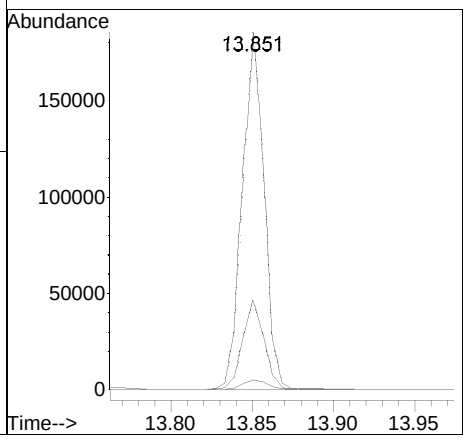


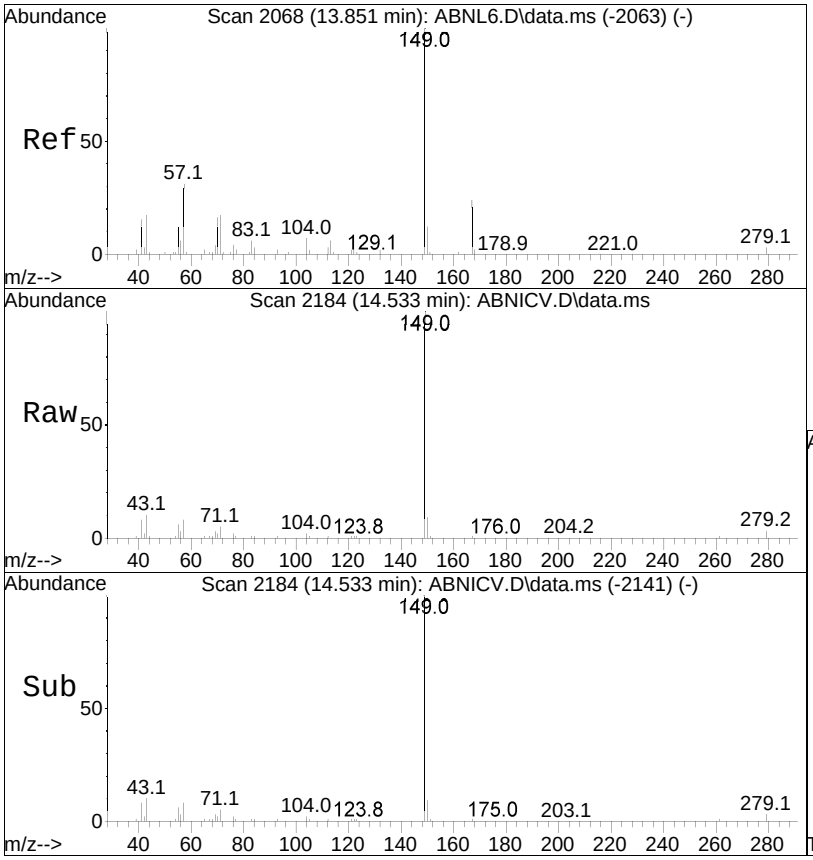


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.86 ug/ml
RT: 13.851 min Scan# 2068
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 170402

Ion	Ratio	Lower	Upper
149	100		
167	24.9	22.1	33.1
279	2.9	3.0	4.4#

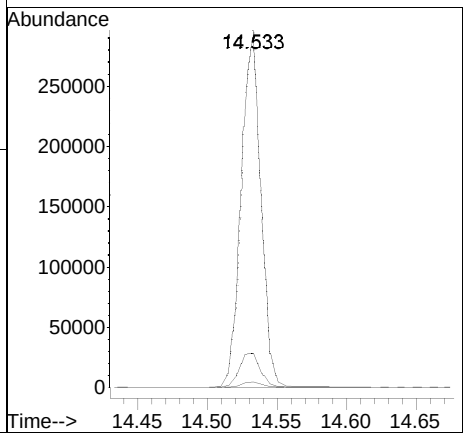


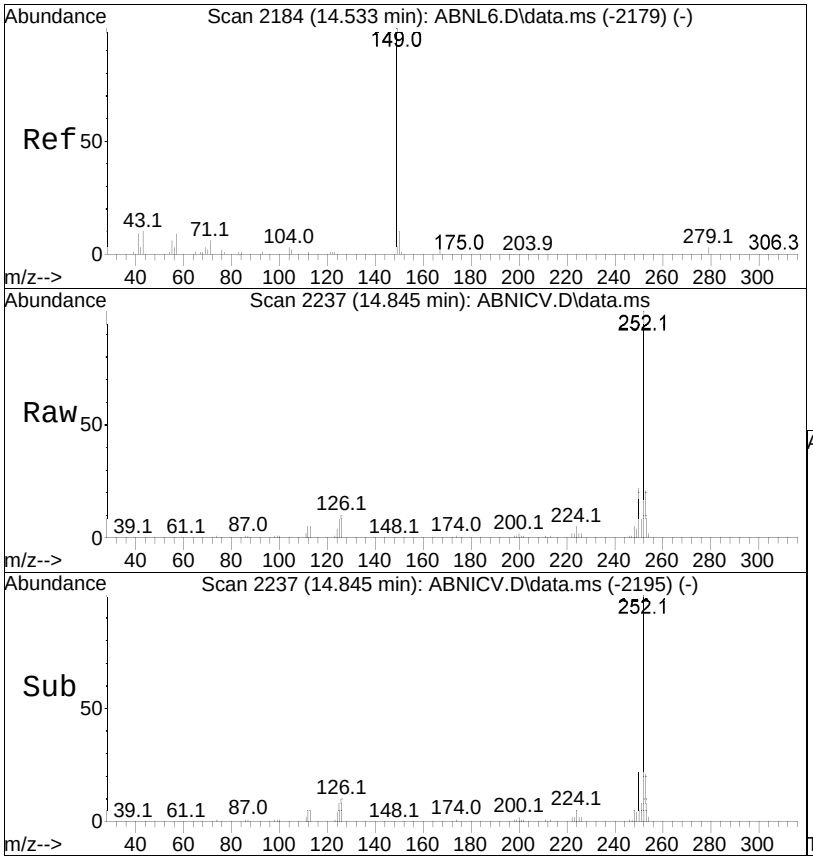


#109
Di-n-octylphthalate
Concen: 4.89 ug/ml
RT: 14.533 min Scan# 2184
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 283833

Ion	Ratio	Lower	Upper
149	100		
43	10.5	18.8	28.2#
167	1.5	1.3	1.9

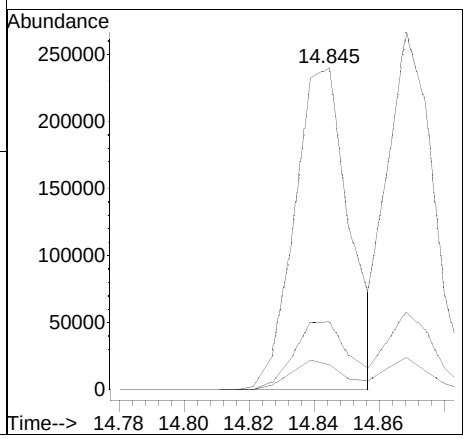


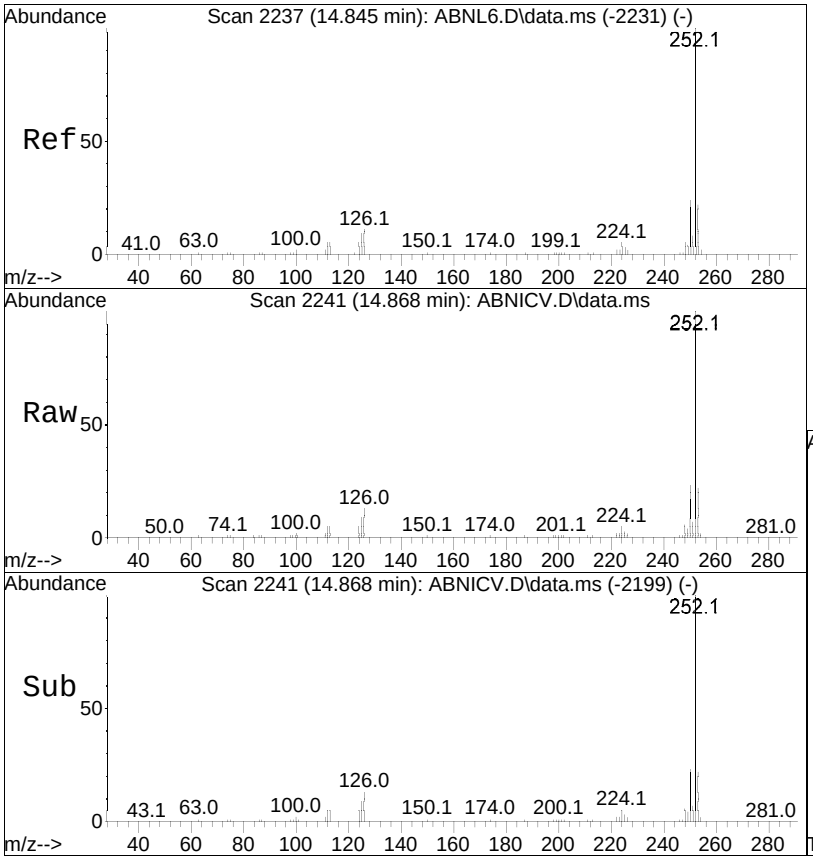


#110
Benzo(b)fluoranthene
Concen: 4.62 ug/ml
RT: 14.845 min Scan# 2237
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 283245

Ion	Ratio	Lower	Upper
252	100		
125	9.1	13.3	19.9#
253	21.5	17.1	25.7

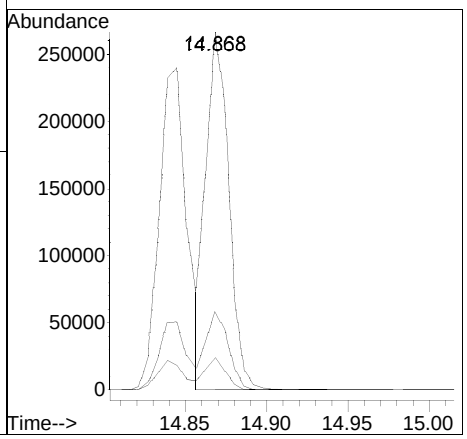


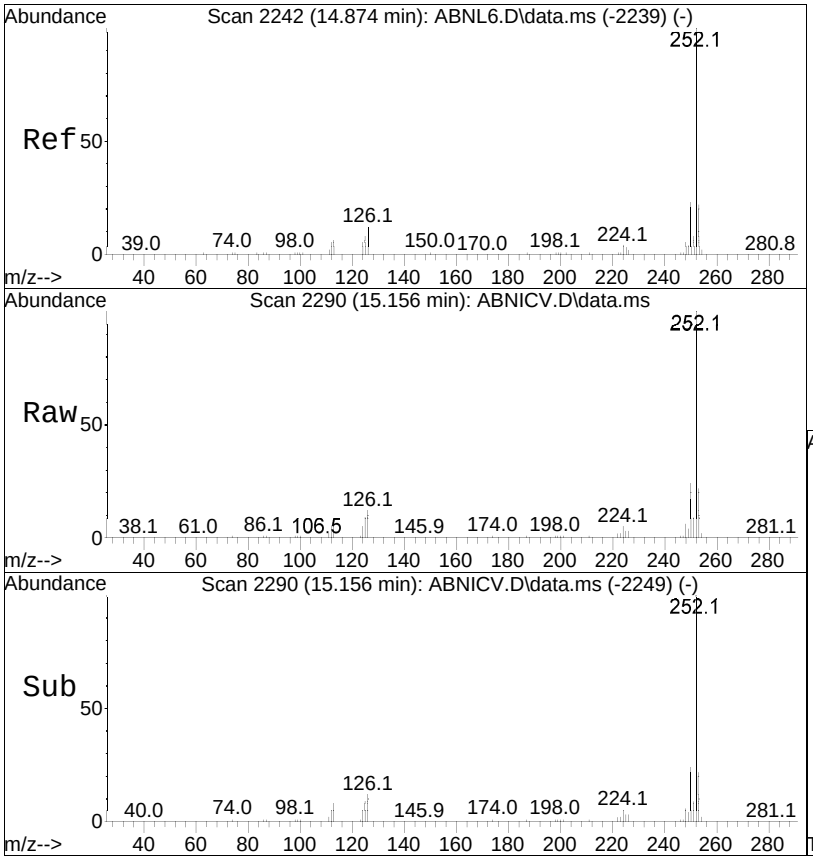


#111
Benzo(k)fluoranthene
Concen: 4.47 ug/ml
RT: 14.868 min Scan# 2241
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 259962

Ion	Ratio	Lower	Upper
252	100		
125	8.1	13.0	19.6#
253	21.8	16.8	25.2

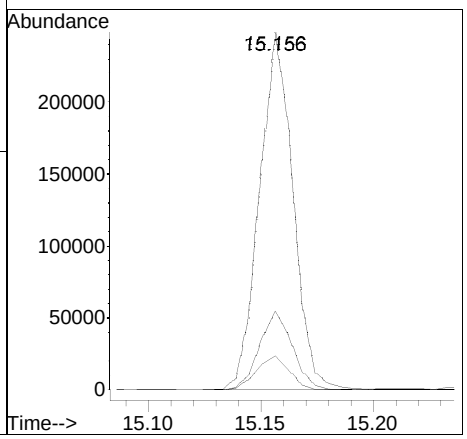


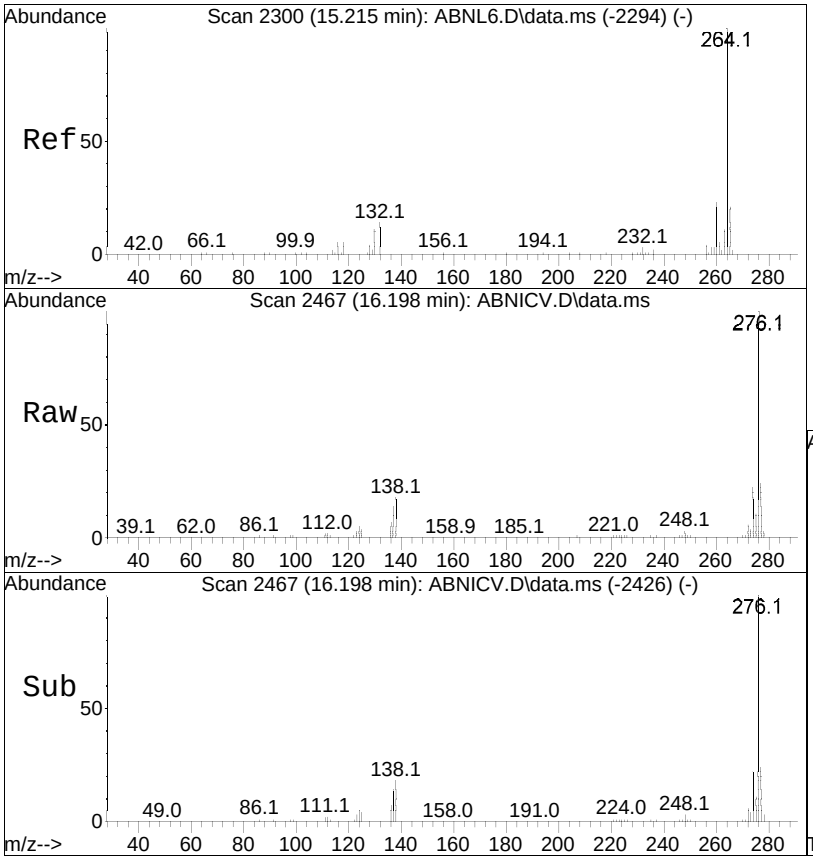


#112
Benzo(a)pyrene
Concen: 4.79 ug/ml
RT: 15.156 min Scan# 2290
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 255240

Ion	Ratio	Lower	Upper
252	100		
125	9.6	14.2	21.2#
253	22.2	16.9	25.3

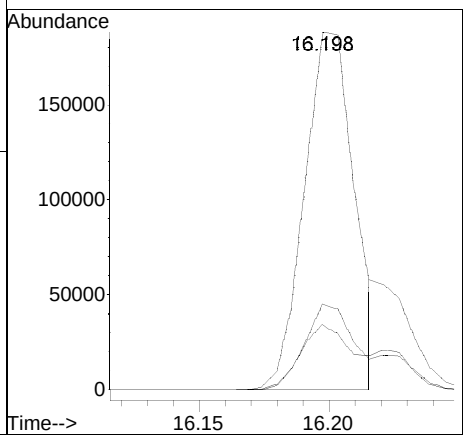


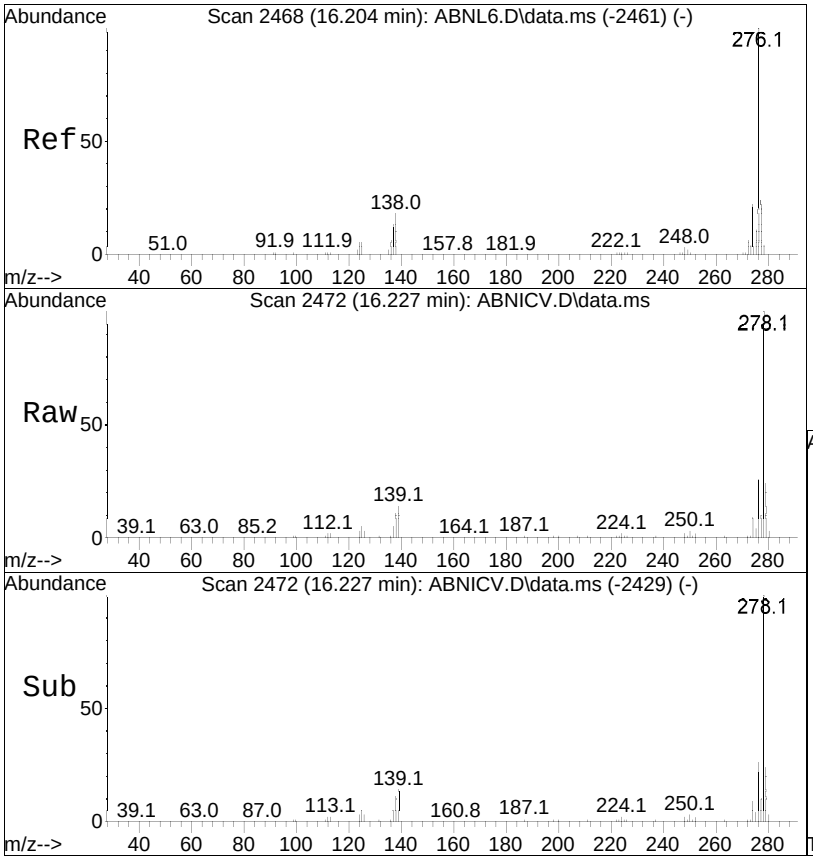


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.89 ug/mL M6
RT: 16.198 min Scan# 2467
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:276 Resp: 251892

Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.1	37.7
277	31.3	18.6	28.0#

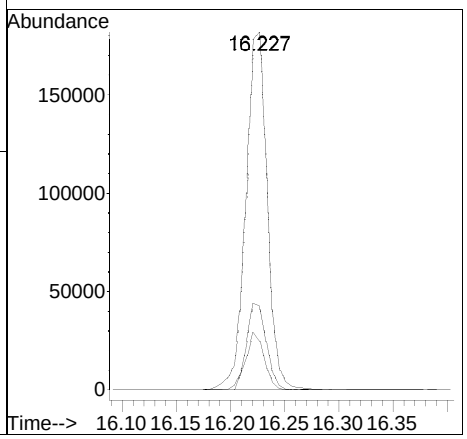


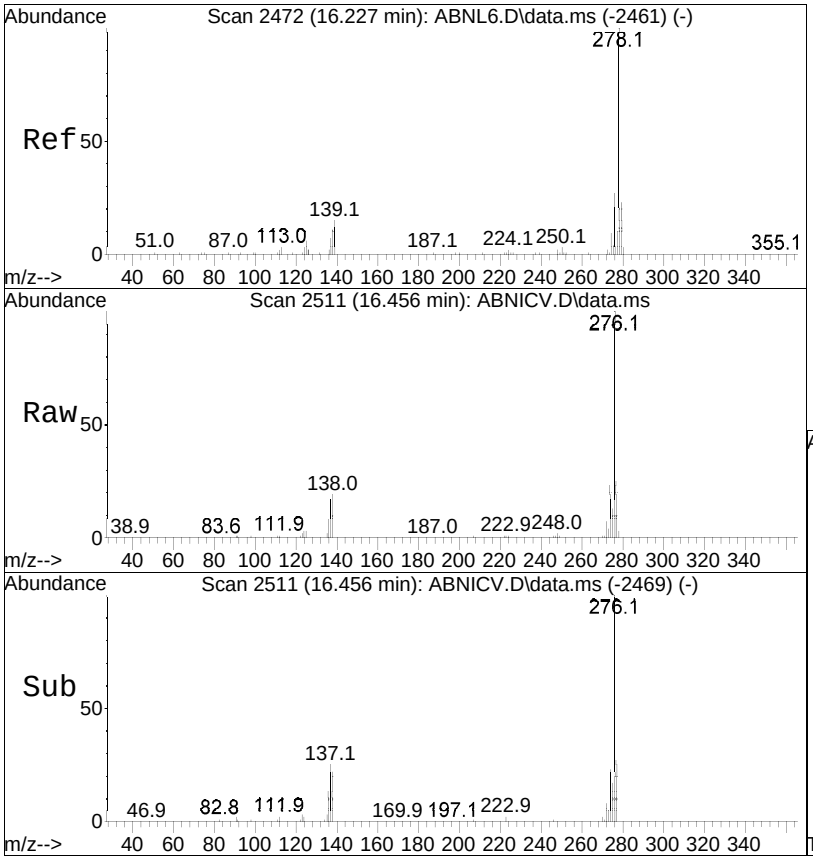


#115
Dibenzo(a,h)anthracene
Concen: 5.00 ug/ml
RT: 16.227 min Scan# 2472
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:278 Resp: 248022

Ion	Ratio	Lower	Upper
278	100		
139	13.9	20.8	31.2#
279	23.1	18.3	27.5

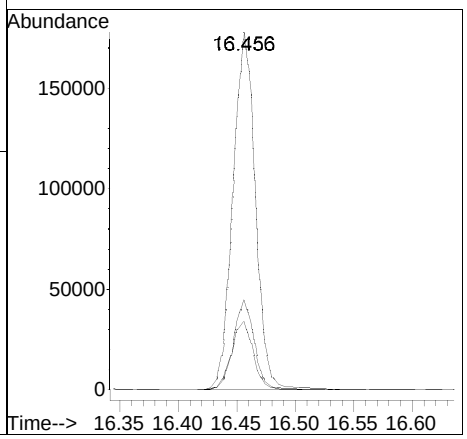




#116
Benzo(ghi)perylene
Concen: 5.13 ug/ml
RT: 16.456 min Scan# 2511
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:276 Resp: 235381

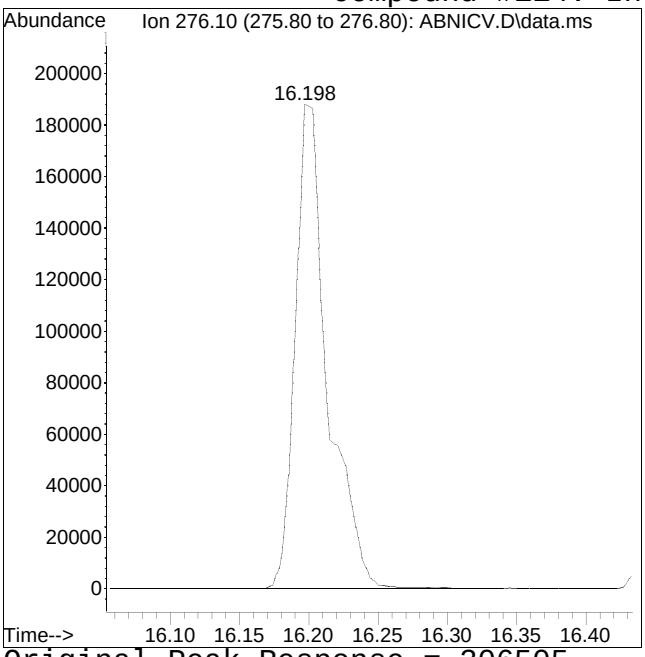
Ion	Ratio	Lower	Upper
276	100		
138	18.7	29.2	43.8#
277	23.4	18.8	28.2



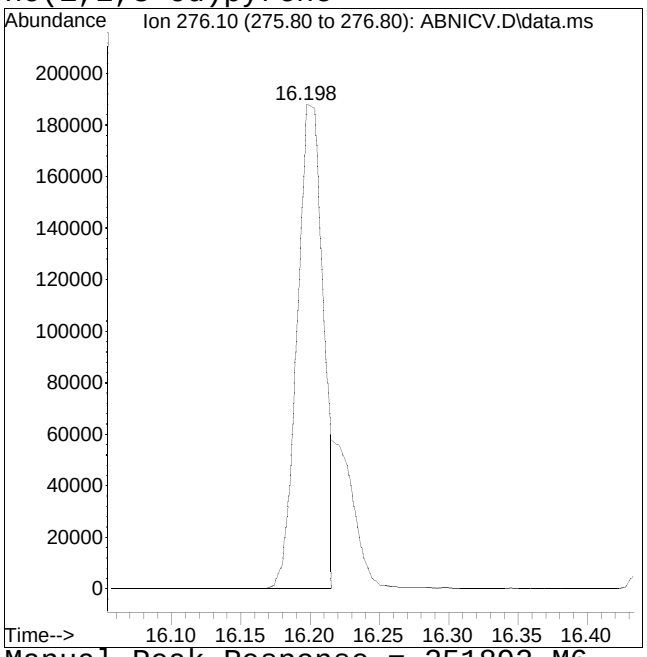
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNICV.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 12:03 am Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/25/2024 6:33 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 306505



Manual Peak Response = 251892 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
28	T	Benzaldehyde	1.187	1.160	2.3	95	0.00
29	T	Acetophenone	2.158	2.023	6.3	91	0.00
30	T	m-Toluidine	1.957	1.877	4.1	93	0.00
31	T	2-Chloroaniline	1.709	1.610	5.8	91	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	94	0.00
56	T	a-Terpineol	0.400	0.364	9.0	87	0.00
57	T	3-Chloroaniline	0.201	0.203	-1.0	96	0.00
58	T	2,6-Dichlorophenol	0.362	0.343	5.2	86	0.00
59	T	1-chloro-2-nitrobenzene	0.180	0.173	3.9	88	0.00
60	T	Caprolactam	0.210	0.198	5.7	83	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.548	0.493	10.0	87	0.00
62	T	Biphenyl	1.084	0.982	9.4	87	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	93	0.00
84	T	Dichloran	0.247	0.224	9.3	79	0.00
85	T	Pentachloronitrobenzene	0.270	0.251	7.0	80	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	87	0.00
99	T	Diphenamid	0.561	0.515	8.2	78	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	30658	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 95.68%			
55) IS2_Naphthalene-d8	7.886	136	107328	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 93.97%			
83) IS2_Acenaphthene-d10	9.651	164	67752	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 92.54%			
98) IS2_Phenanthrene-d10	11.092	188	149597	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 86.63%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	44470	4.886	ug/ml	100
29) Acetophenone	6.957	105	77542	4.688	ug/ml#	83
30) m-Toluidine	7.057	106	71933	4.796	ug/ml	94
31) 2-Chloroaniline	7.463	127	61713	4.711	ug/ml	97
56) a-Terpineol	7.963	59	48862	4.551	ug/ml#	85
57) 3-Chloroaniline	7.975	65	27239	5.059	ug/ml#	64
58) 2,6-Dichlorophenol	7.998	162	46077	4.748	ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	23253	4.809	ug/ml#	1
60) Caprolactam	8.304	55	26621	4.724	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	66156	4.495	ug/ml	98
62) Biphenyl	9.104	154	131777	4.530	ug/ml	99
84) Dichloran	10.792	206	19006	4.541	ug/ml#	66
85) Pentachloronitrobenzene	10.939	237	21268	4.649	ug/ml#	74
99) Diphenamid	12.004	167	96271	4.586	ug/ml	83

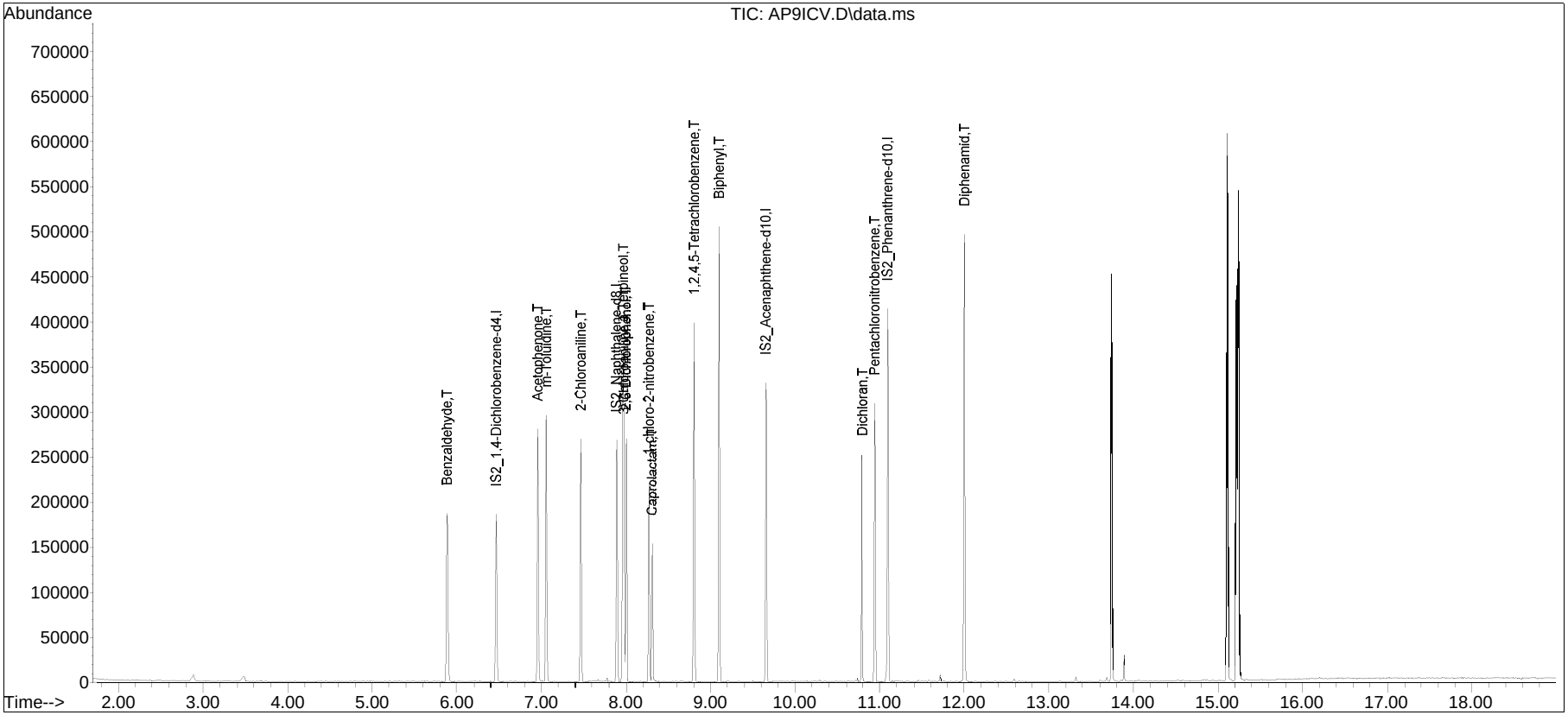
(#) = qualifier out of range (m) = manual integration (+) = signals summed

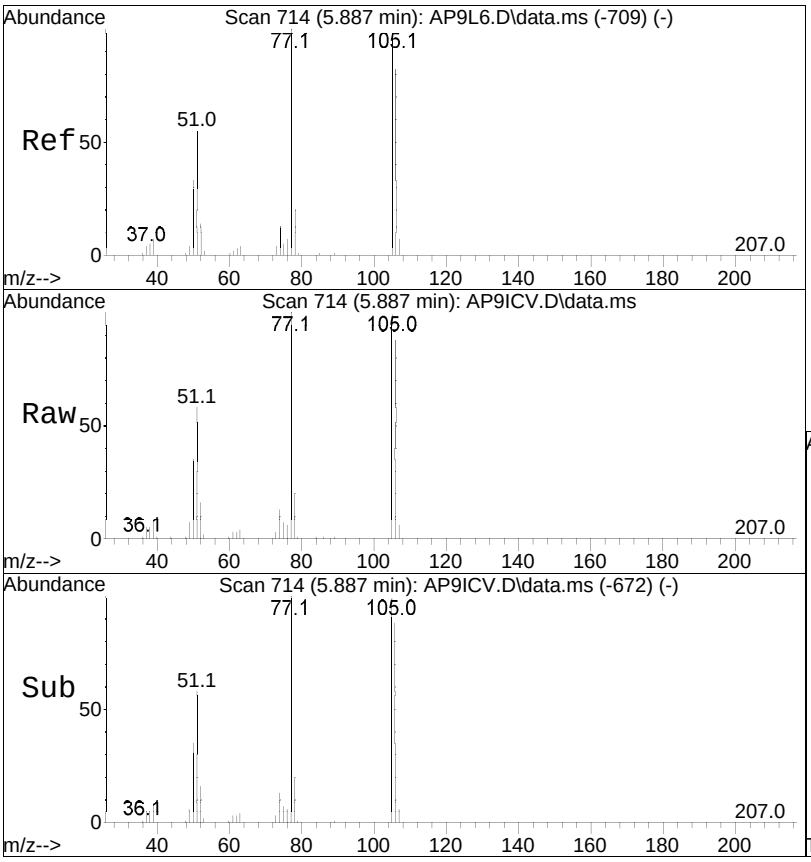
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

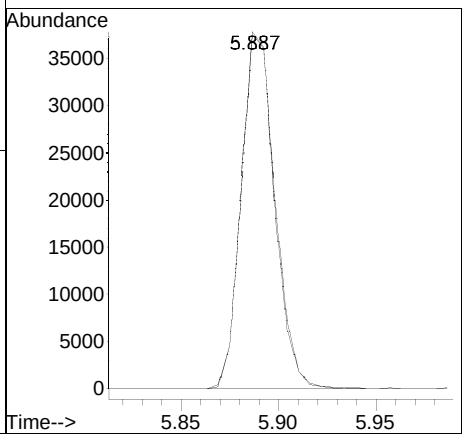


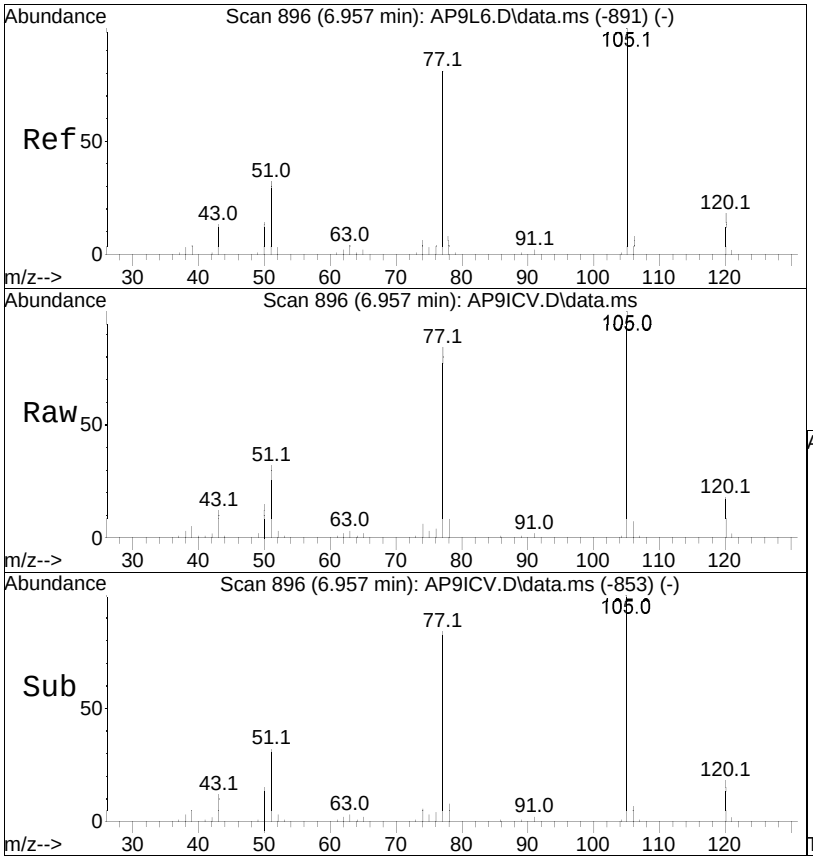


#28
Benzaldehyde
Concen: 4.89 ug/ml
RT: 5.887 min Scan# 714
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:105 Resp: 44470

Ion	Ratio	Lower	Upper
105	100		
77	102.6	82.2	123.4

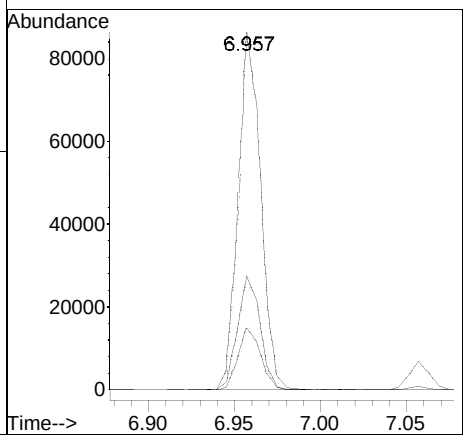


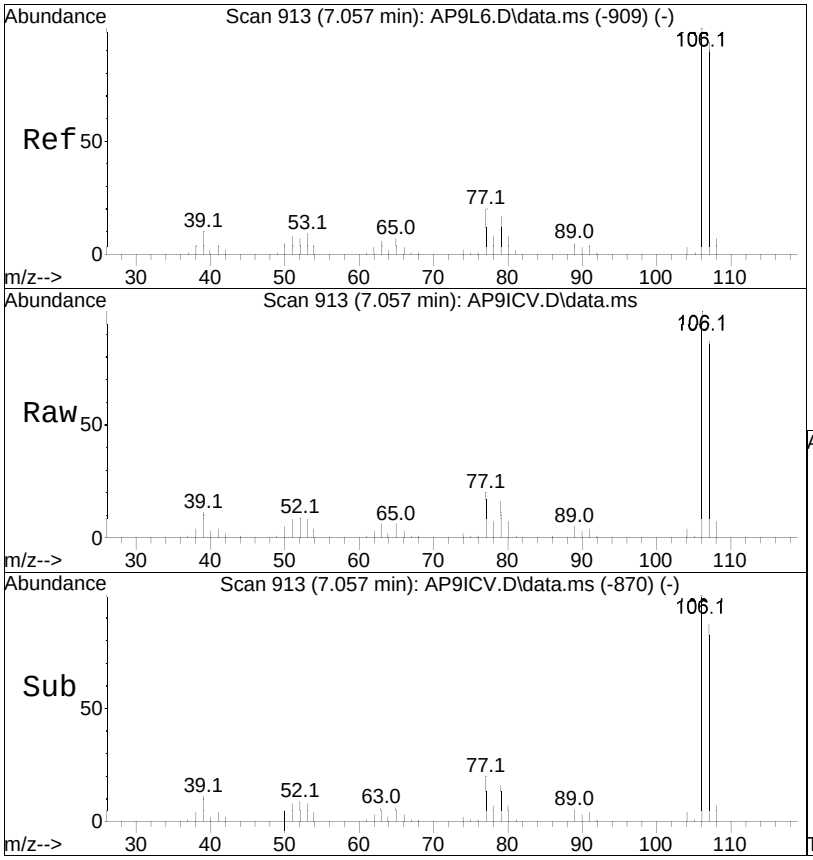


#29
Acetophenone
Concen: 4.69 ug/ml
RT: 6.957 min Scan# 896
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:105 Resp: 77542

Ion	Ratio	Lower	Upper
105	100		
120	17.7	20.5	30.7#
51	32.6	34.9	52.3#

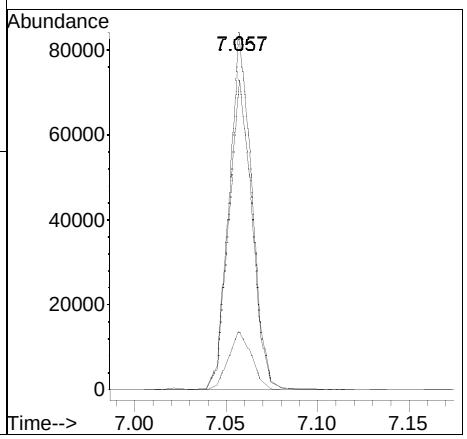


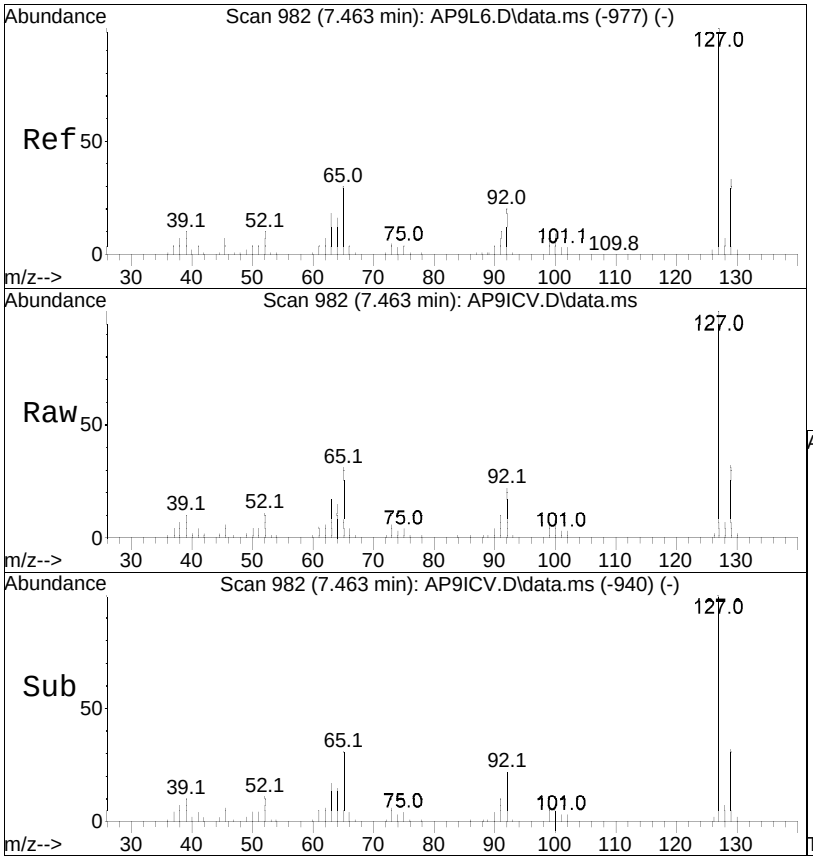


#30
m-Toluidine
Concen: 4.80 ug/ml
RT: 7.057 min Scan# 913
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:106 Resp: 71933

Ion	Ratio	Lower	Upper
106	100		
107	88.7	75.7	113.5
79	16.8	11.8	17.8

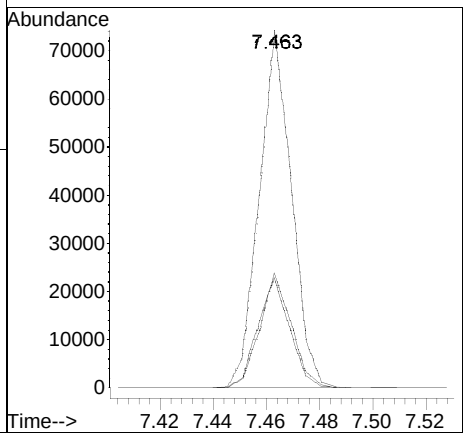


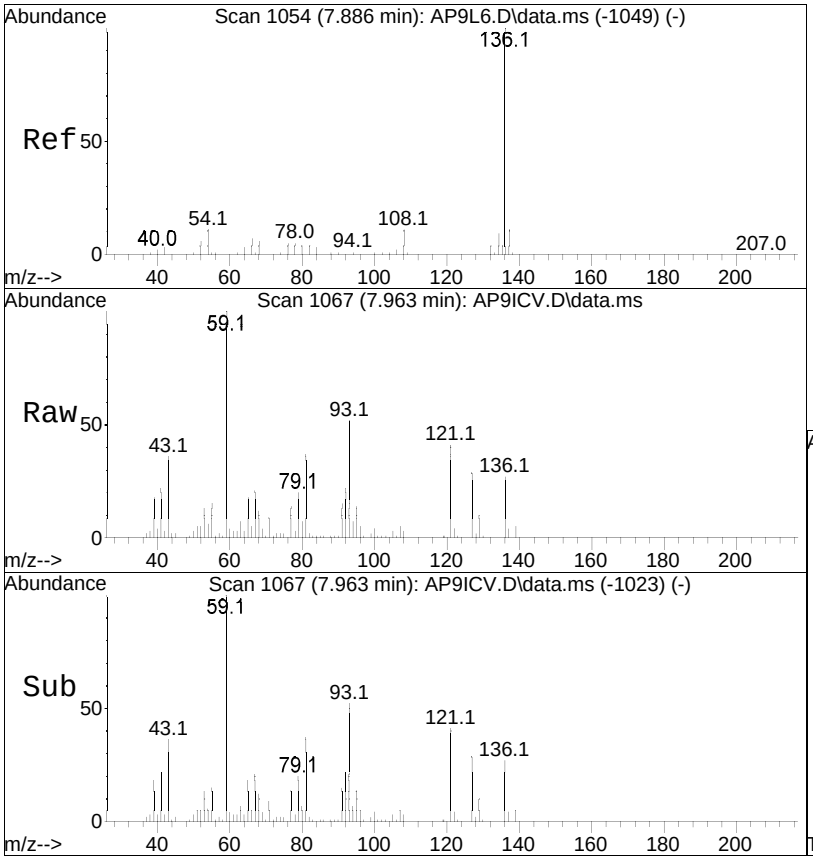


#31
2-Chloroaniline
Concen: 4.71 ug/ml
RT: 7.463 min Scan# 982
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:127 Resp: 61713

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.9	38.9
65	30.6	26.3	39.5

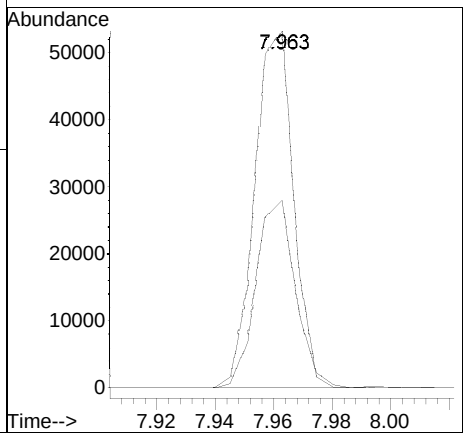


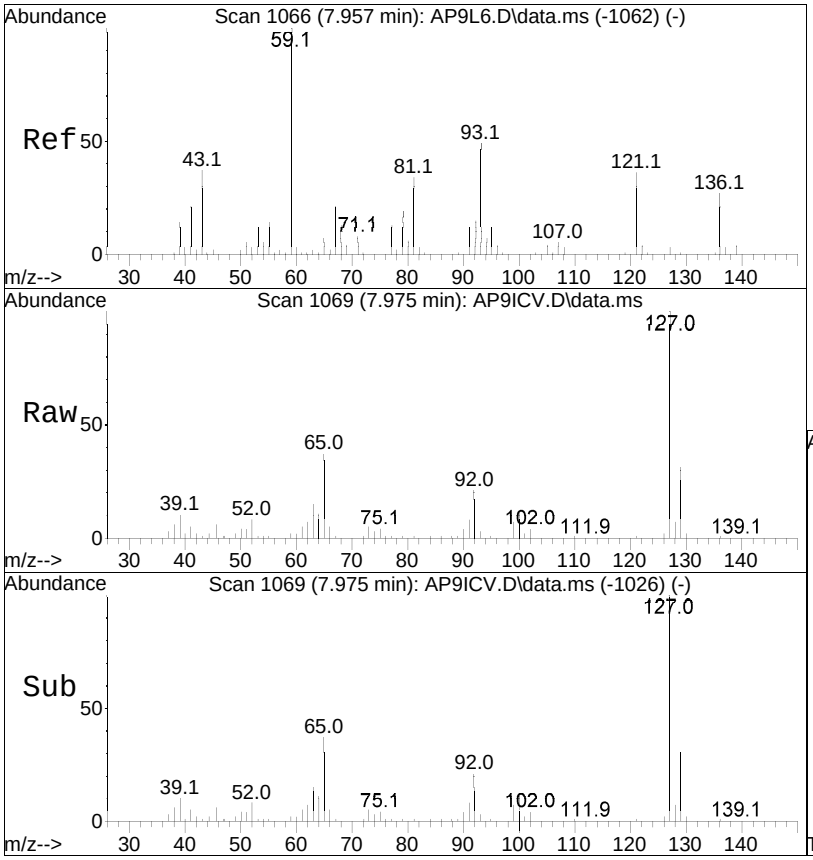


#56
a-Terpineol
Concen: 4.55 ug/ml
RT: 7.963 min Scan# 1067
Delta R.T. 0.006 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 59 Resp: 48862

Ion	Ratio	Lower	Upper
59	100		
93	54.3	35.6	53.4#

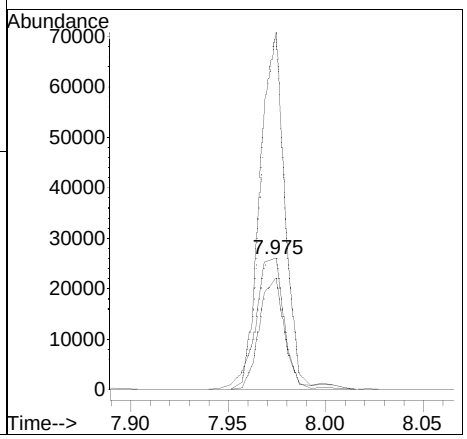


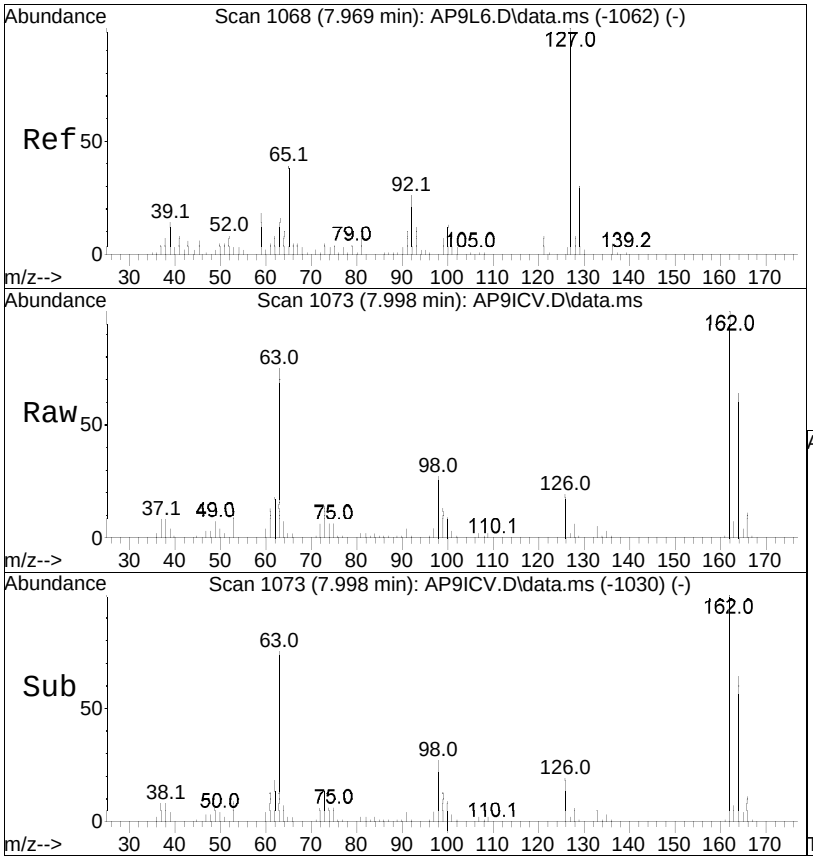


#57
3-Chloroaniline
Concen: 5.06 ug/ml
RT: 7.975 min Scan# 1069
Delta R.T. 0.006 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 65 Resp: 27239

Ion	Ratio	Lower	Upper
65	100		
127	227.1	243.2	364.8#
129	73.0	78.8	118.2#

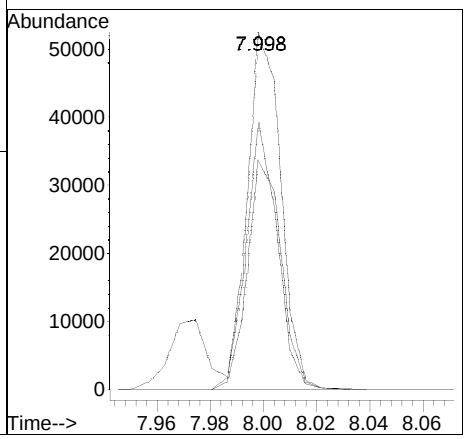


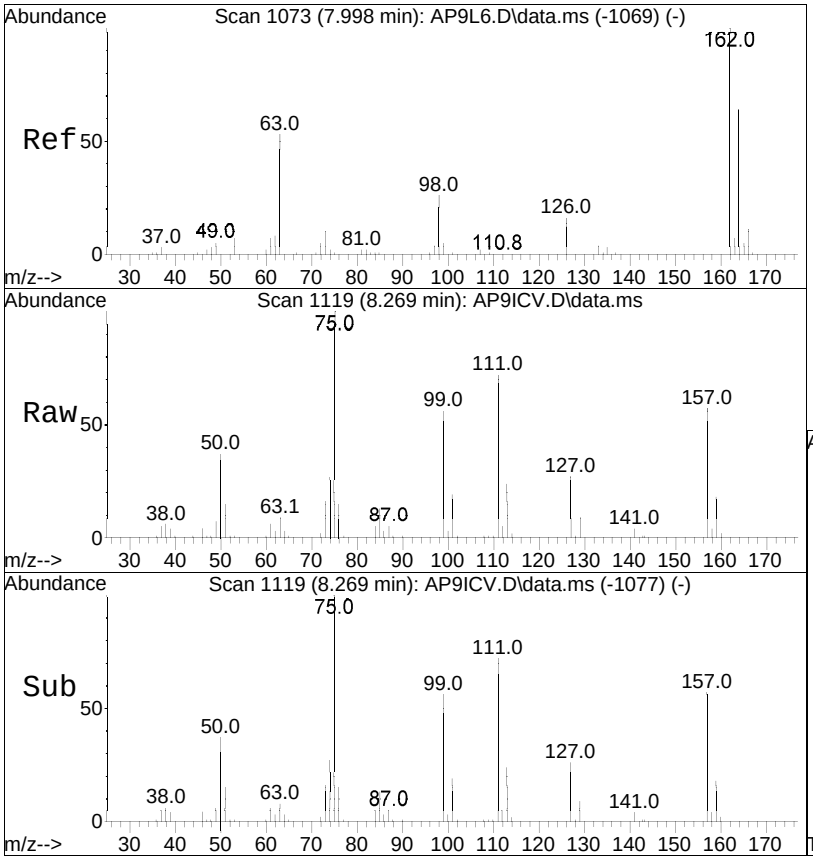


#58
2,6-Dichlorophenol
Concen: 4.75 ug/ml
RT: 7.998 min Scan# 1073
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:162 Resp: 46077

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	67.7	60.8	91.2

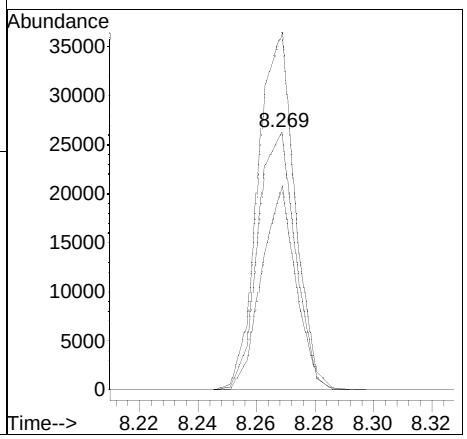


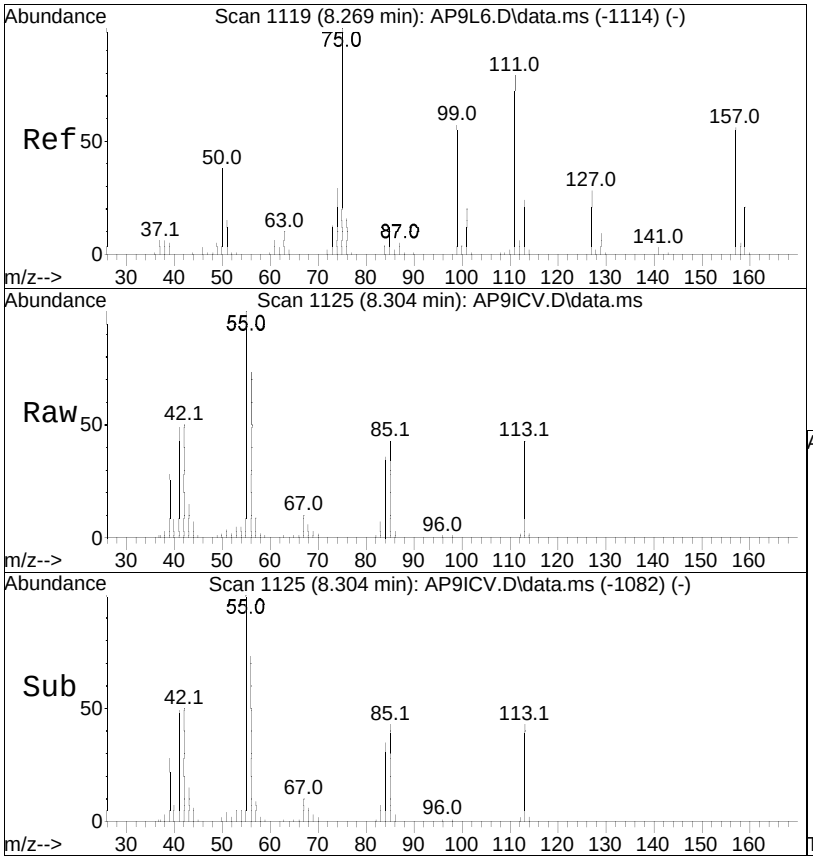


#59
1-chloro-2-nitrobenzene
Concen: 4.81 ug/ml
RT: 8.269 min Scan# 1119
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:111 Resp: 23253

Ion	Ratio	Lower	Upper
111	100		
157	72.8	0.0	0.0#
75	137.0	28.2	42.2#

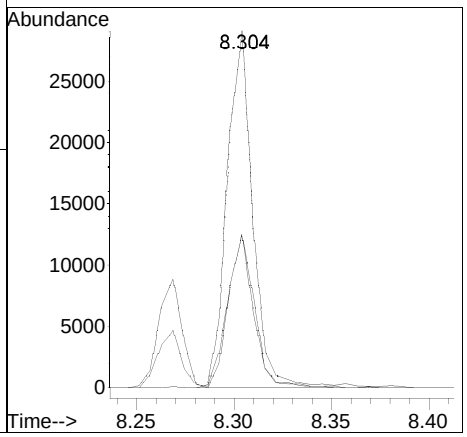


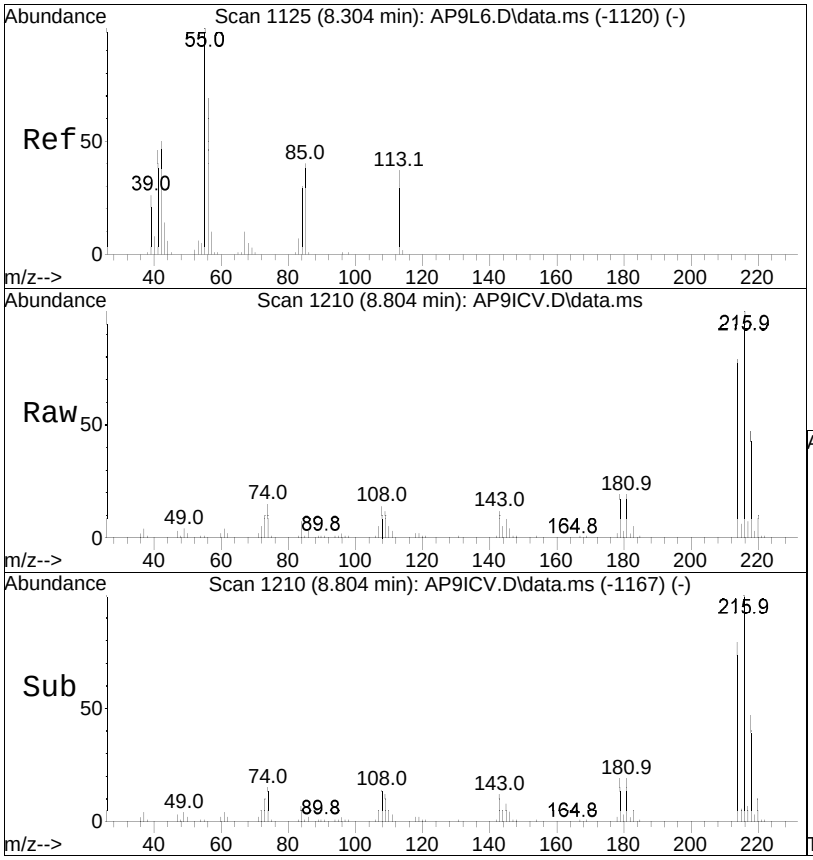


#60
Caprolactam
Concen: 4.72 ug/ml
RT: 8.304 min Scan# 1125
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 55 Resp: 26621

Ion	Ratio	Lower	Upper
55	100		
85	43.8	19.8	29.6#
113	43.8	29.6	44.4

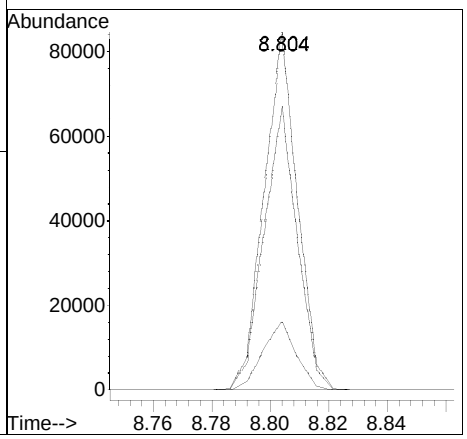


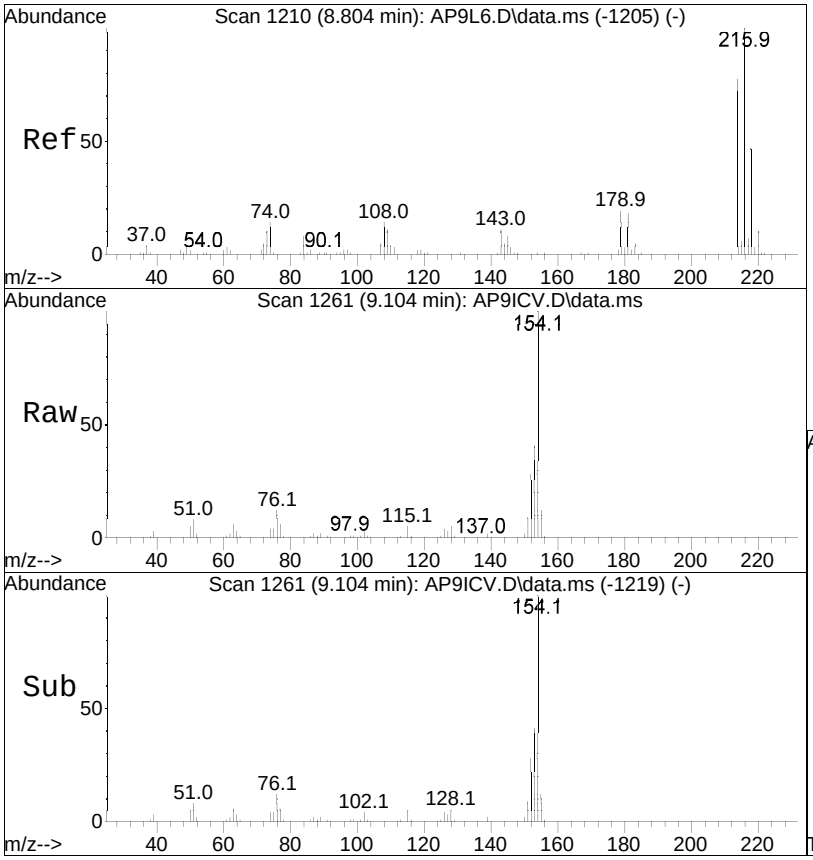


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.50 ug/ml
RT: 8.804 min Scan# 1210
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:216 Resp: 66156

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.7	95.5
179	19.3	19.0	28.6

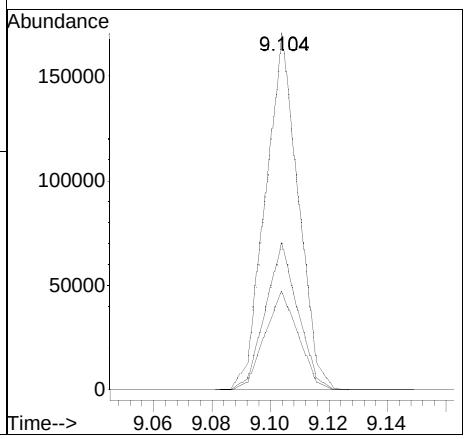


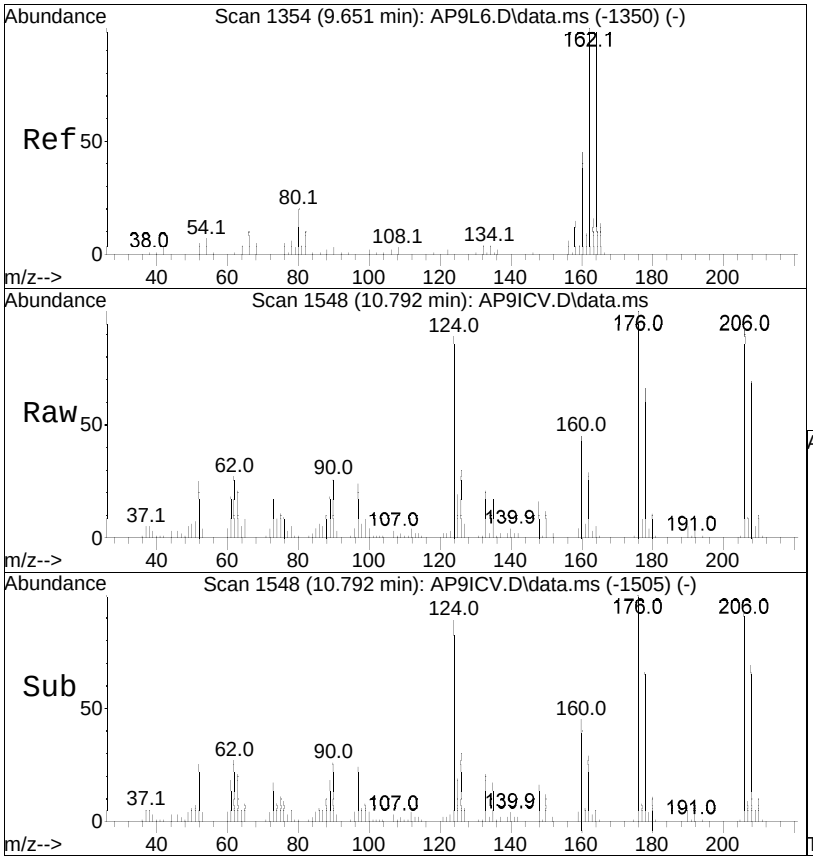


#62
Biphenyl
Concen: 4.53 ug/ml
RT: 9.104 min Scan# 1261
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:154 Resp: 131777

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
152	28.7	22.5	33.7

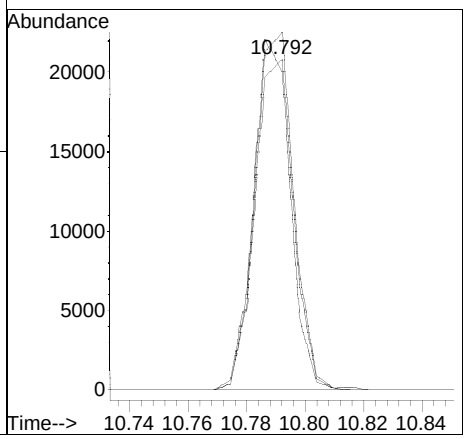


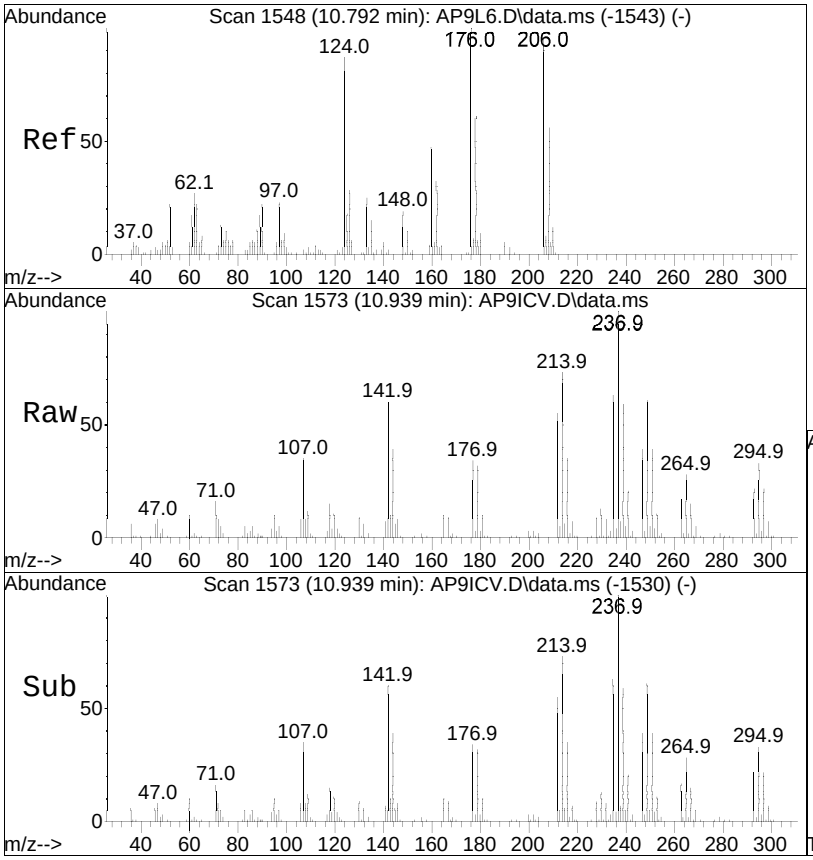


#84
Dichloran
Concen: 4.54 ug/ml
RT: 10.792 min Scan# 1548
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:206 Resp: 19006

Ion	Ratio	Lower	Upper
206	100		
176	108.8	104.6	157.0
124	101.1	130.5	195.7#

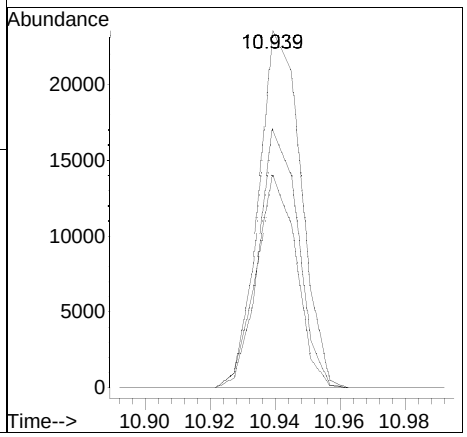


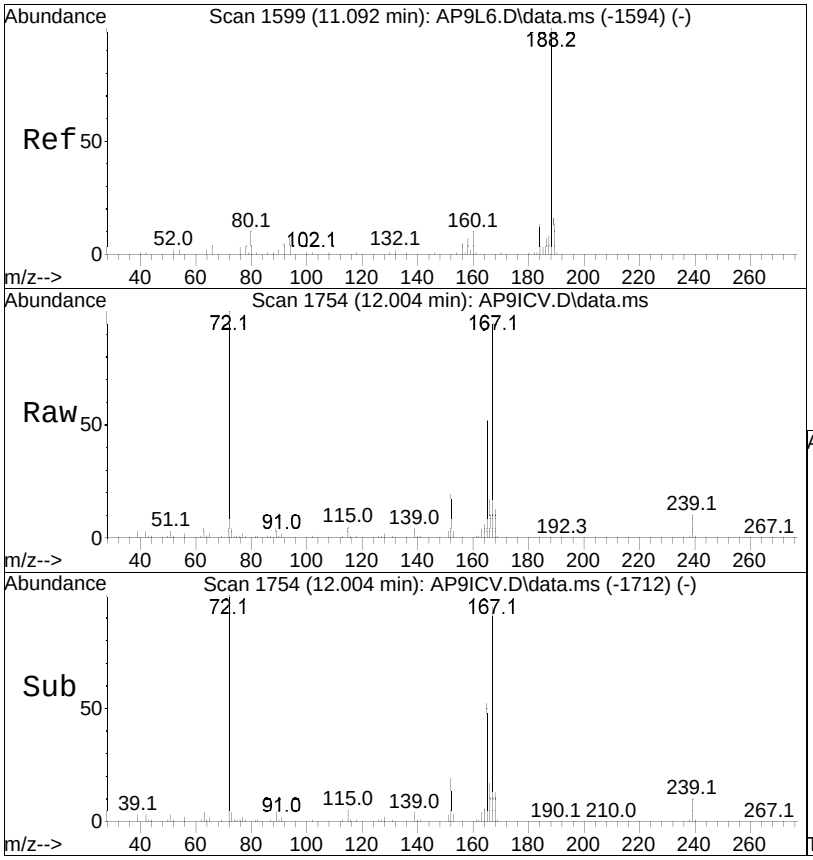


#85
Pentachloronitrobenzene
Concen: 4.65 ug/ml
RT: 10.939 min Scan# 1573
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:237 Resp: 21268

Ion	Ratio	Lower	Upper
237	100		
142	56.9	77.0	115.4#
214	67.4	58.2	87.4

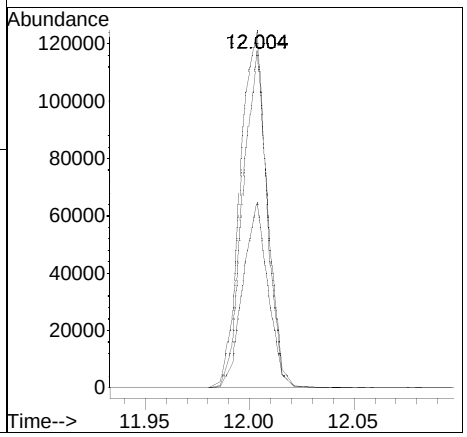




#99
Diphenamid
Concen: 4.59 ug/ml
RT: 12.004 min Scan# 1754
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:167 Resp: 96271

Ion	Ratio	Lower	Upper
167	100		
72	111.8	109.7	164.5
165	56.5	41.8	62.6



Manual Integration Report

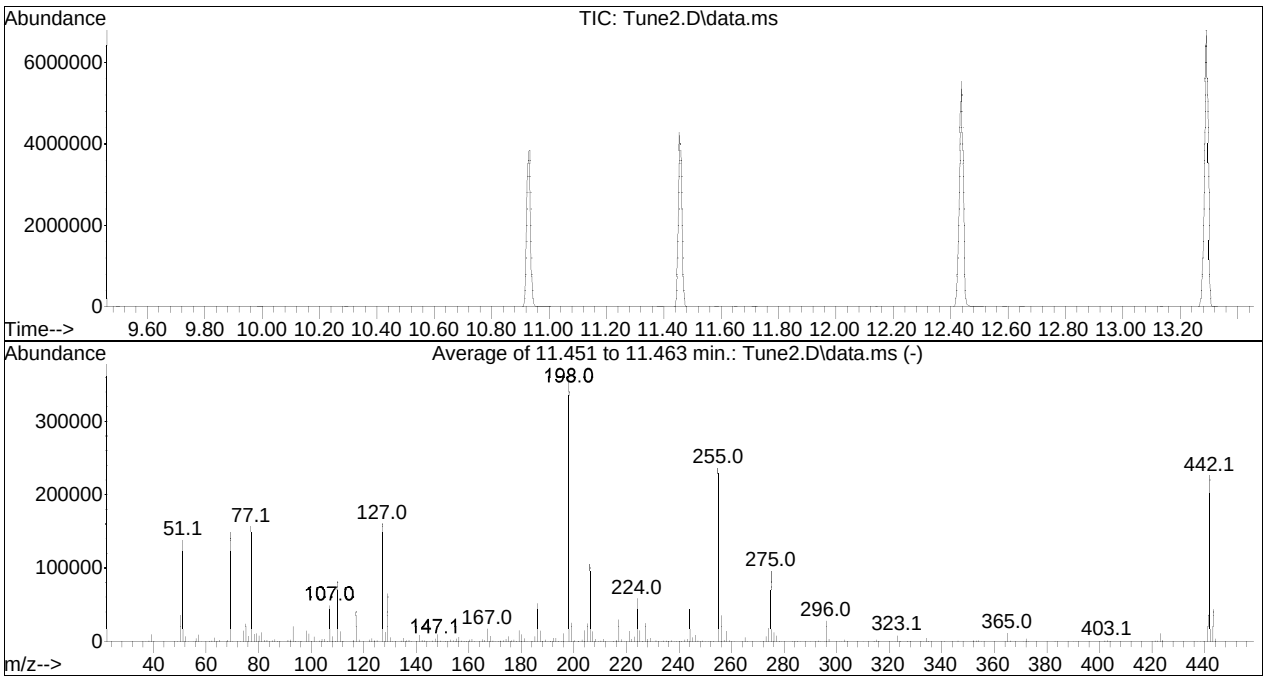
Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9ICV.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 12:27 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/25/2024 6:34 am

There are no manual integrations or false positives in this file.

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024



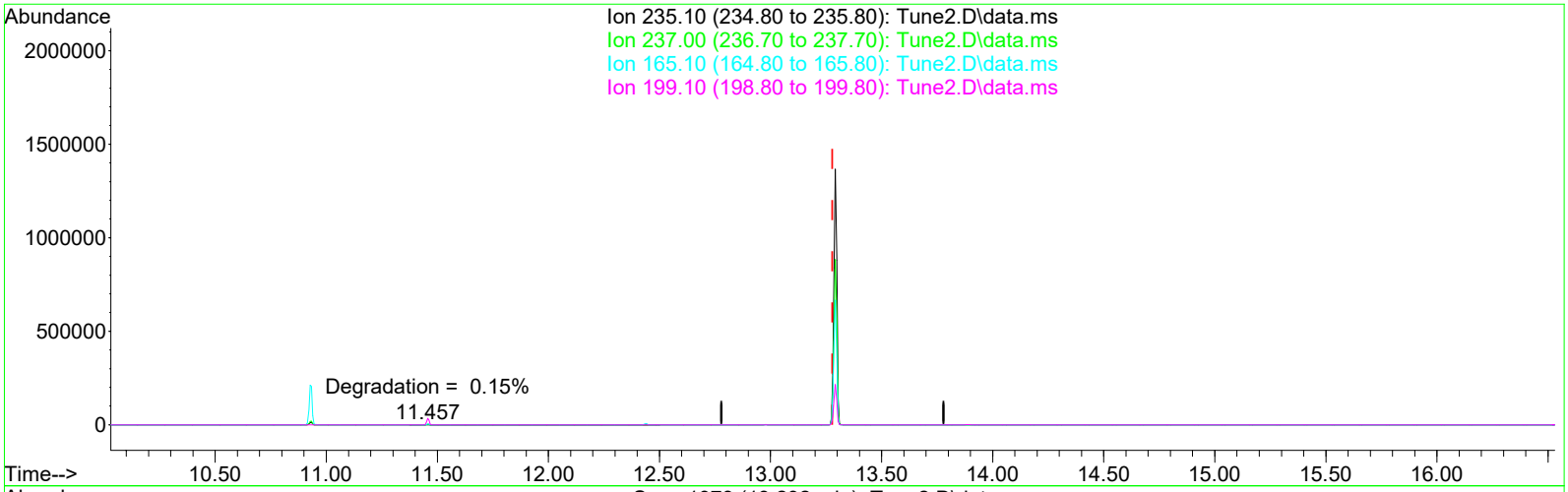
Spectrum Information: Average of 11.451 to 11.463 min.

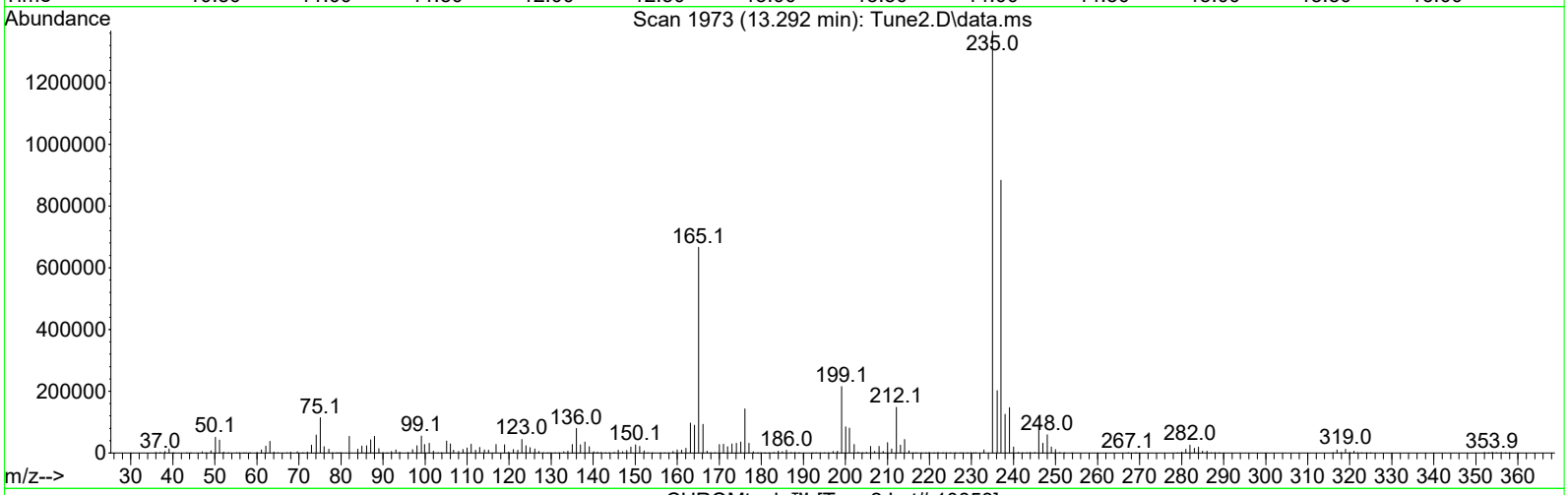
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	137891	PASS
68	69	0.00	2	1.7	2453	PASS
69	69	100	100	100.0	148637	PASS
70	69	0.00	2	0.5	712	PASS
127	198	10	80	44.6	160304	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	359445	PASS
199	198	5	9	7.0	25279	PASS
275	198	10	60	26.6	95504	PASS
365	198	1	100	3.1	11195	PASS
441	442	0.01	24	16.3	36658	PASS
442	198	50	100	62.7	225269	PASS
443	442	15	24	19.4	43760	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(6) DDT (T)

13.292min (+ 0.012) 205.49

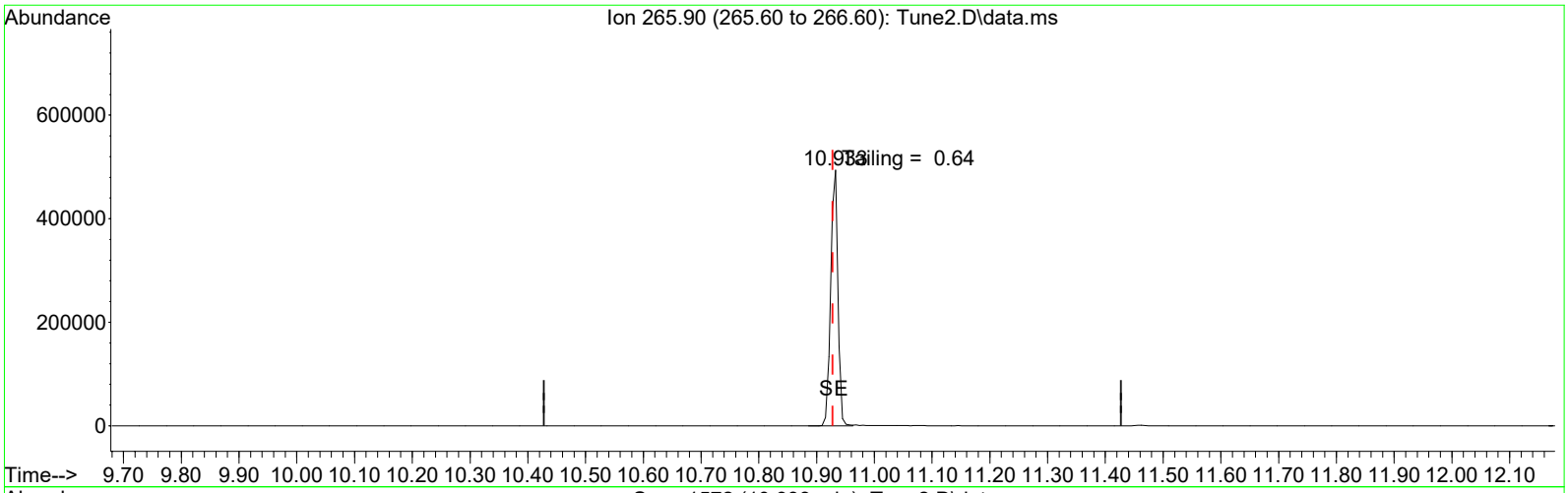
response 1252623

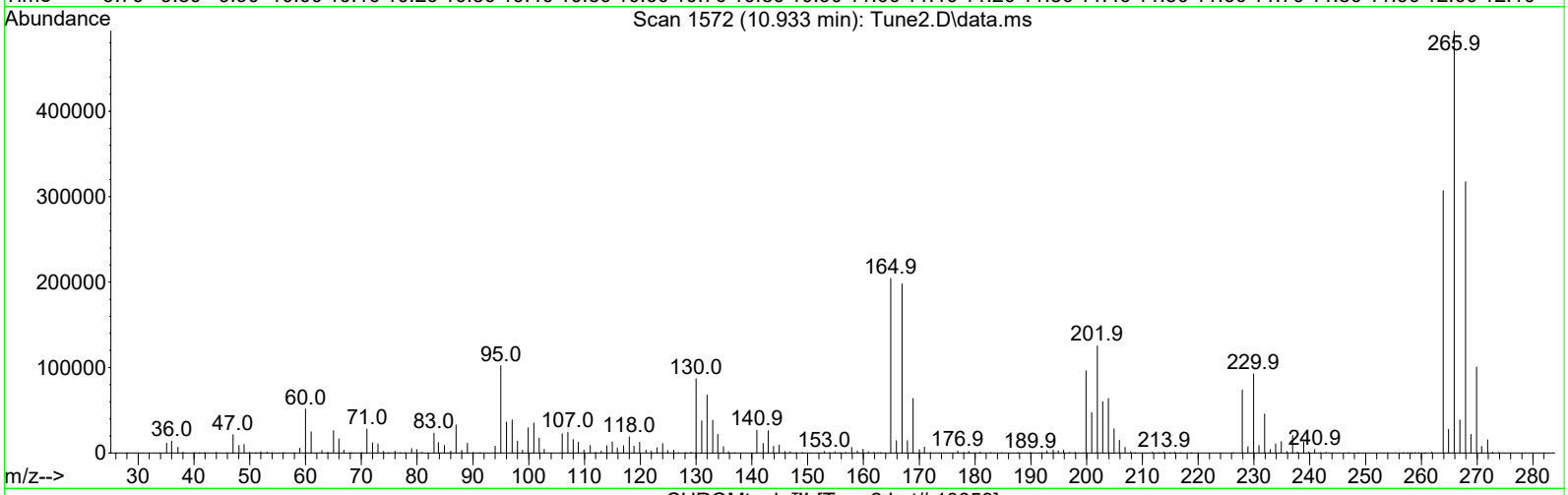
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.41
165.10	44.50	47.74
199.10	14.80	15.51

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(1) Pentachlorophenol (T)

10.933min (+ 0.005) 208.83

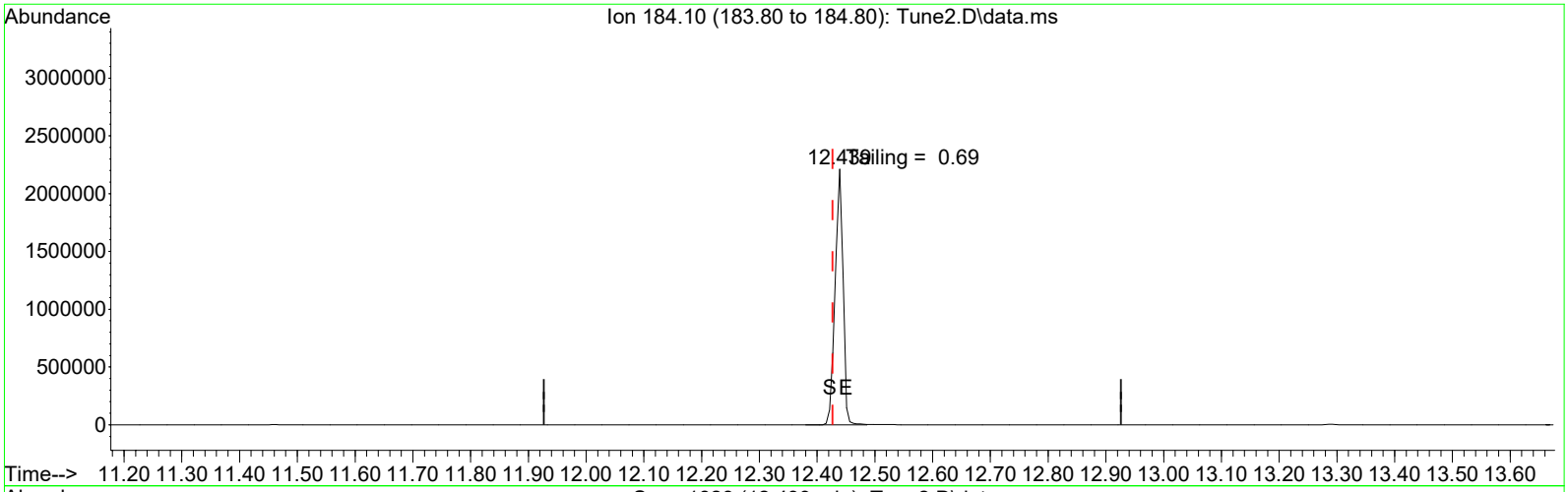
response 438622

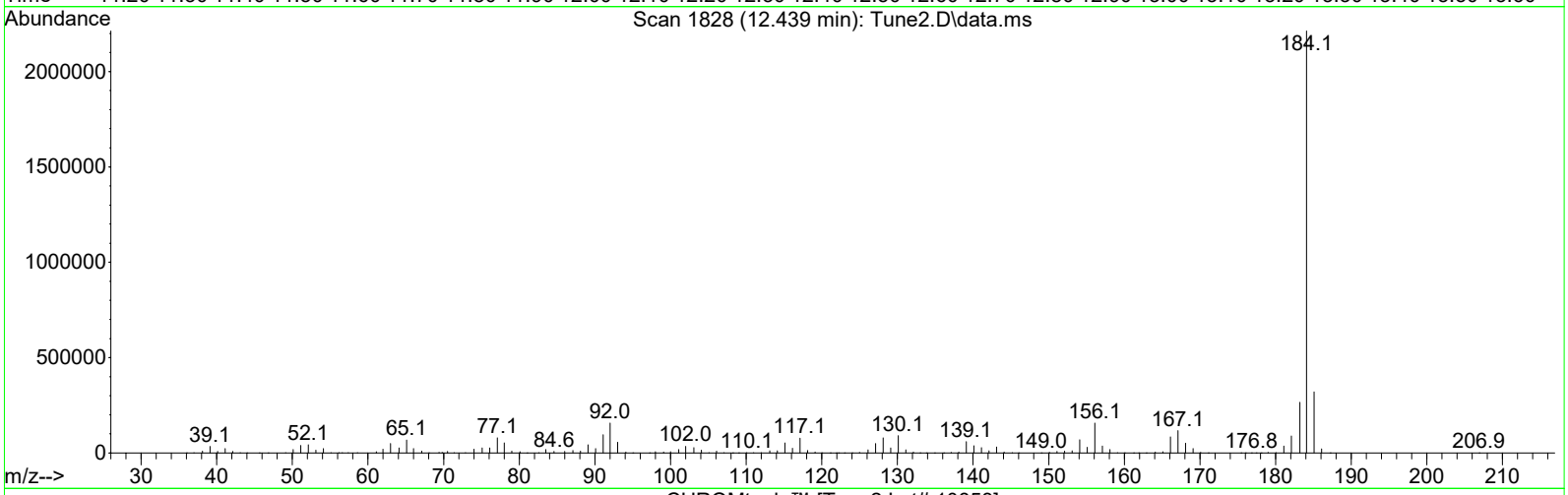
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(3) Benzidine (T)

12.439min (+ 0.012) 207.58

response 2113145

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL9.D
Acq On : 25 Jun 2024 1:14 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939040
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 10:13:17 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	33017	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	100.79%		
86) IS3_Acenaphthene-d10	9.657	164	71723	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	93.80%		
100) IS3_Phenanthrene-d10	11.098	188	171323	4.000	ug/ml	# 0.00
Standard Area 1 = 180522			Recovery =	94.90%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	213408	44.234	ug/ml#	100
34) n-Decane	6.363	57	675848	49.265	ug/ml#	44
87) Atrazine	10.874	200	476191	52.207	ug/ml	94
101) n-Octadecane	11.074	57	1016939	47.722	ug/ml#	1
102) Parathion	11.886	109	310962	58.476	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.180	212	2068015	61.068	ug/ml	100

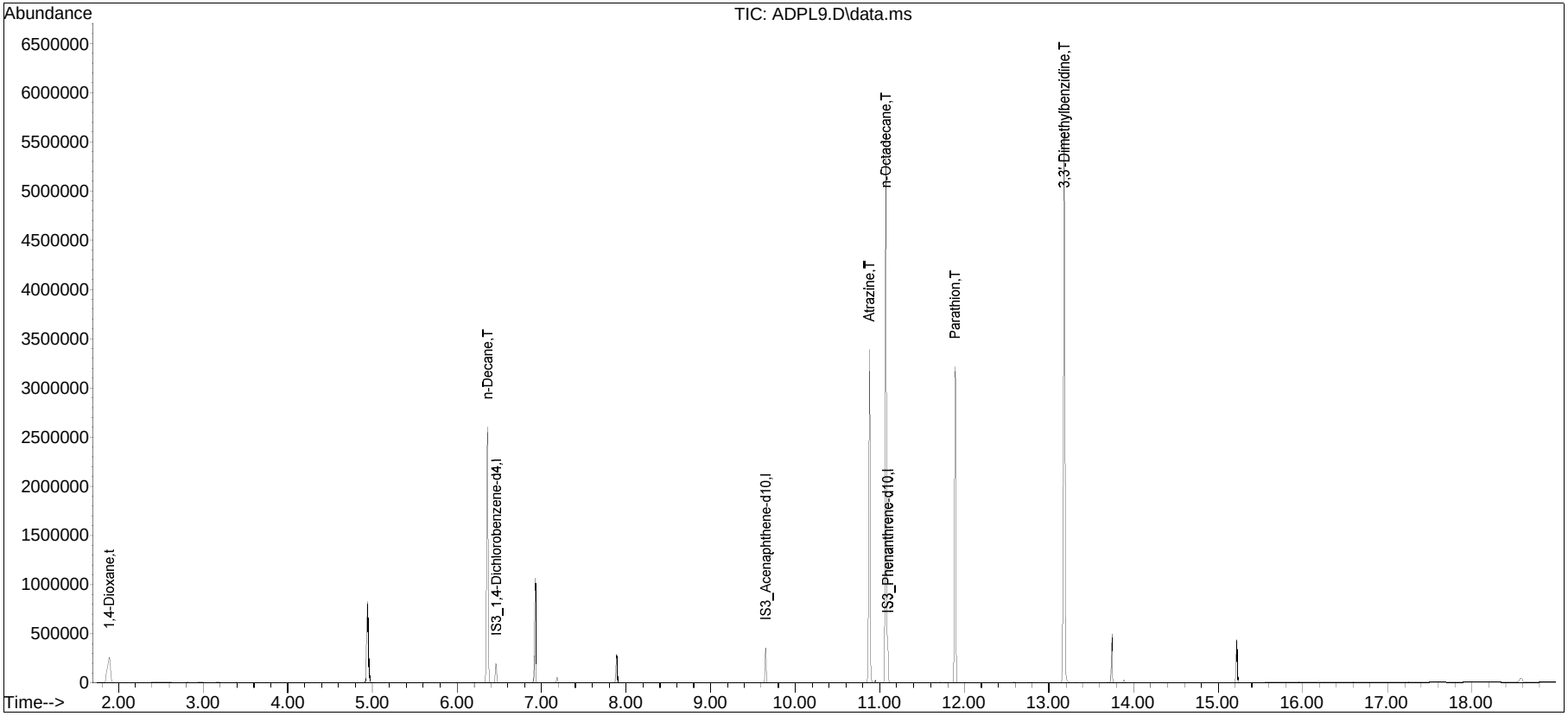
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL9.D
Acq On : 25 Jun 2024 1:14 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939040
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 10:13:17 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL9.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 1:14 am	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 6/25/2024 10:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL8.D
Acq On : 25 Jun 2024 1:38 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939040
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 25 10:13:06 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	33304	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	101.66%		
86) IS3_Acenaphthene-d10	9.651	164	75831	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	99.17%		
100) IS3_Phenanthrene-d10	11.098	188	183808	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	101.82%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	101538	20.865	ug/ml#	100
34) n-Decane	6.357	57	325546	23.526	ug/ml#	43
87) Atrazine	10.874	200	249095	25.830	ug/ml	95
101) n-Octadecane	11.074	57	575419	25.169	ug/ml#	1
102) Parathion	11.886	109	163023	28.574	ug/ml	99
103) 3,3'-Dimethylbenzidine	13.174	212	1073064	29.535	ug/ml	100

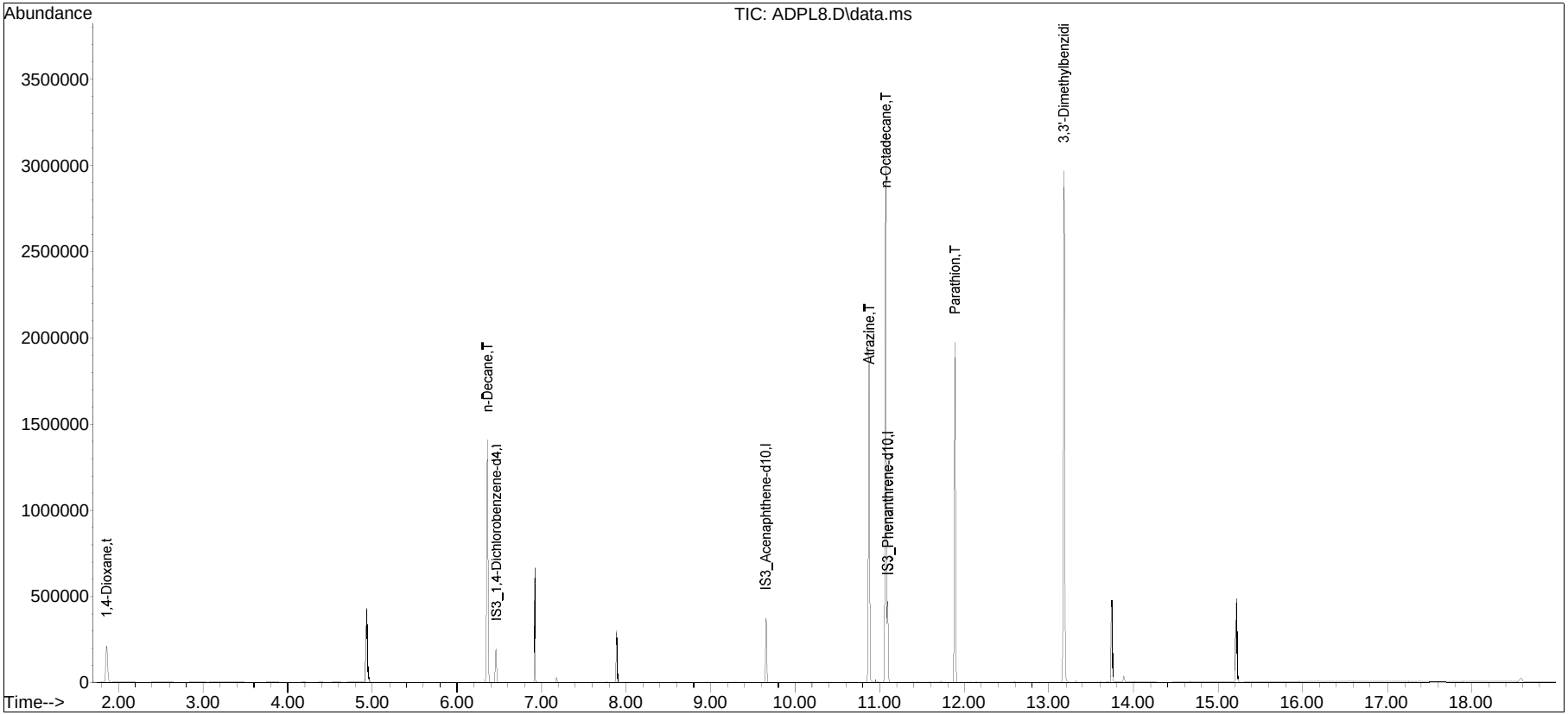
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL8.D
Acq On : 25 Jun 2024 1:38 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939040
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 25 10:13:06 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL8.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 1:38 am	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL7.D
Acq On : 25 Jun 2024 2:02 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939040
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 10:12:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.463	152	32637	4.000	ug/ml	0.00
	Standard Area 1 = 32759			Recovery =	99.63%		
86)	IS3_Acenaphthene-d10	9.651	164	75339	4.000	ug/ml	0.00
	Standard Area 1 = 76462			Recovery =	98.53%		
100)	IS3_Phenanthrene-d10	11.092	188	178525	4.000	ug/ml	0.00
	Standard Area 1 = 180522			Recovery =	98.89%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.857	88	41610	8.725	ug/ml#	100
34)	n-Decane	6.357	57	133762	9.864	ug/ml#	42
87)	Atrazine	10.869	200	96679	10.091	ug/ml	95
101)	n-Octadecane	11.074	57	230341	10.373	ug/ml#	1
102)	Parathion	11.886	109	58843	10.619	ug/ml	97
103)	3,3'-Dimethylbenzidine	13.174	212	409416	11.602	ug/ml	99

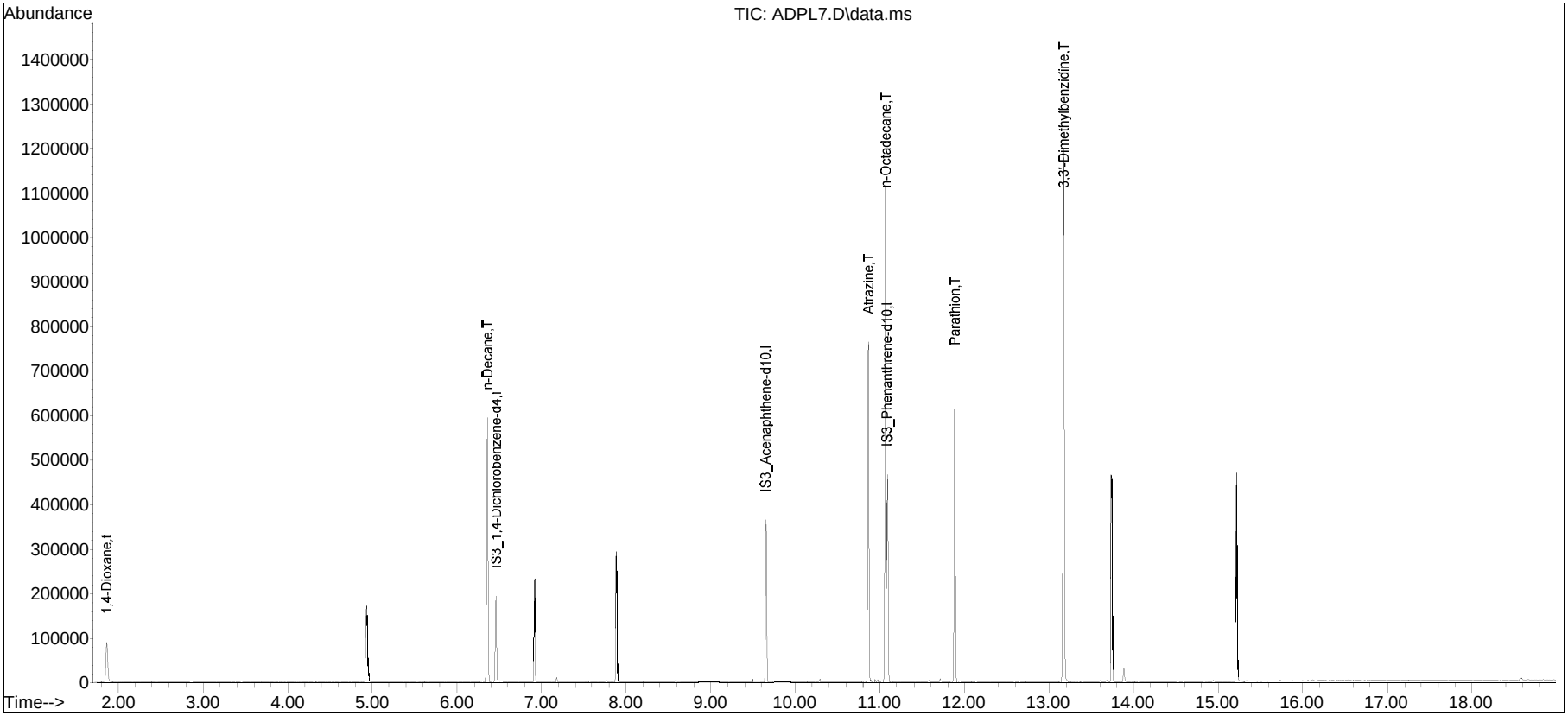
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL7.D
Acq On : 25 Jun 2024 2:02 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939040
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 10:12:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL7.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:02 am	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL6.D
Acq On : 25 Jun 2024 2:26 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939040
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 10:12:45 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	32759	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.651	164	76462	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.098	188	180522	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	20128	4.205	ug/ml#	100
34) n-Decane	6.357	57	63146	4.639	ug/ml#	42
87) Atrazine	10.863	200	44293	4.555	ug/ml	97
101) n-Octadecane	11.074	57	104215	4.641	ug/ml#	1
102) Parathion	11.880	109	25479	4.547	ug/ml	99
103) 3,3'-Dimethylbenzidine	13.174	212	180859	5.069	ug/ml	100

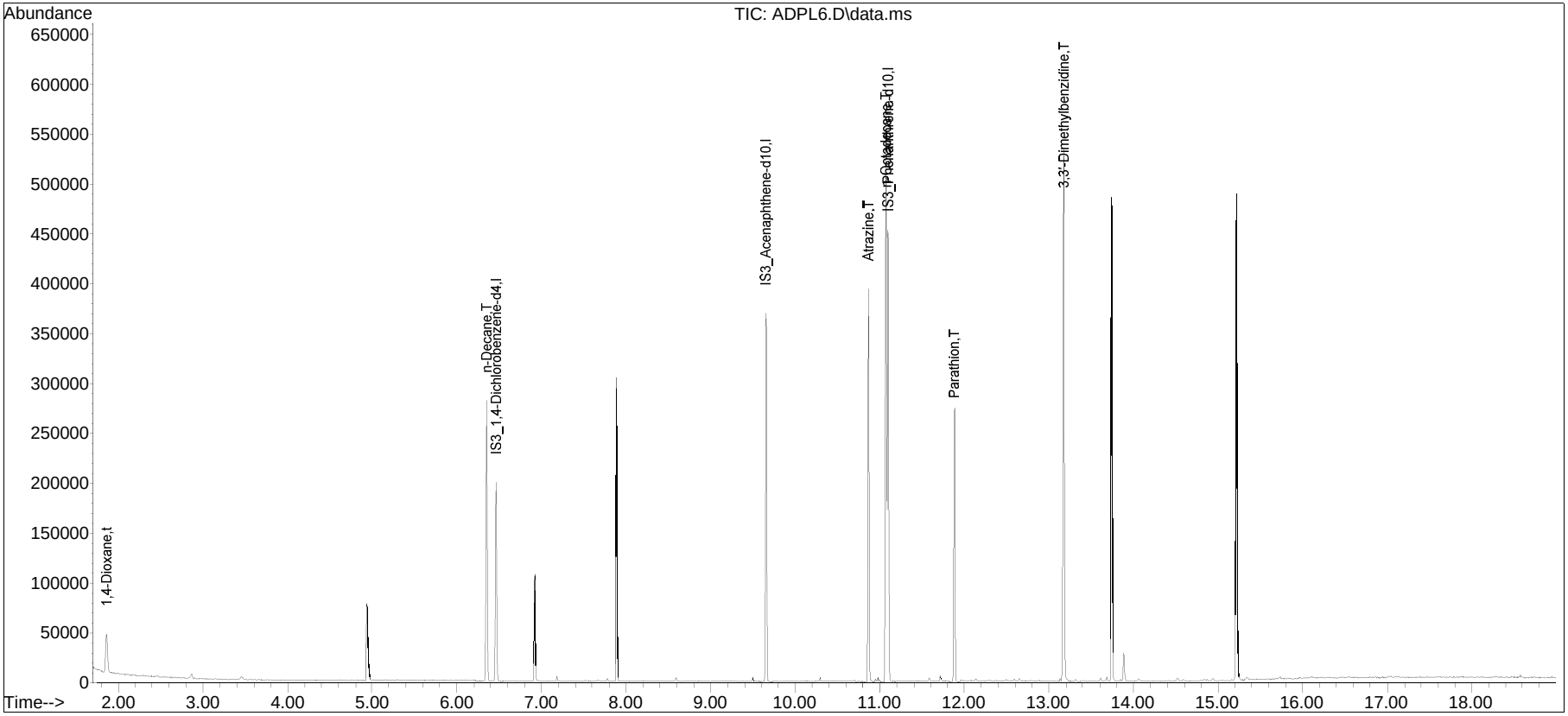
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL6.D
Acq On : 25 Jun 2024 2:26 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939040
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 10:12:45 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL6.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:26 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL5.D
Acq On : 25 Jun 2024 2:49 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939040
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 25 10:12:34 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31407	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	95.87%		
86) IS3_Acenaphthene-d10	9.651	164	72577	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	94.92%		
100) IS3_Phenanthrene-d10	11.092	188	169004	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	93.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	10534	2.295	ug/ml#	100
34) n-Decane	6.357	57	31955	2.449	ug/ml#	42
87) Atrazine	10.863	200	22254	2.411	ug/ml	96
101) n-Octadecane	11.075	57	51657	2.457	ug/ml#	1
102) Parathion	11.880	109	11573	2.206	ug/ml	96
103) 3,3'-Dimethylbenzidine	13.174	212	87693	2.625	ug/ml	99

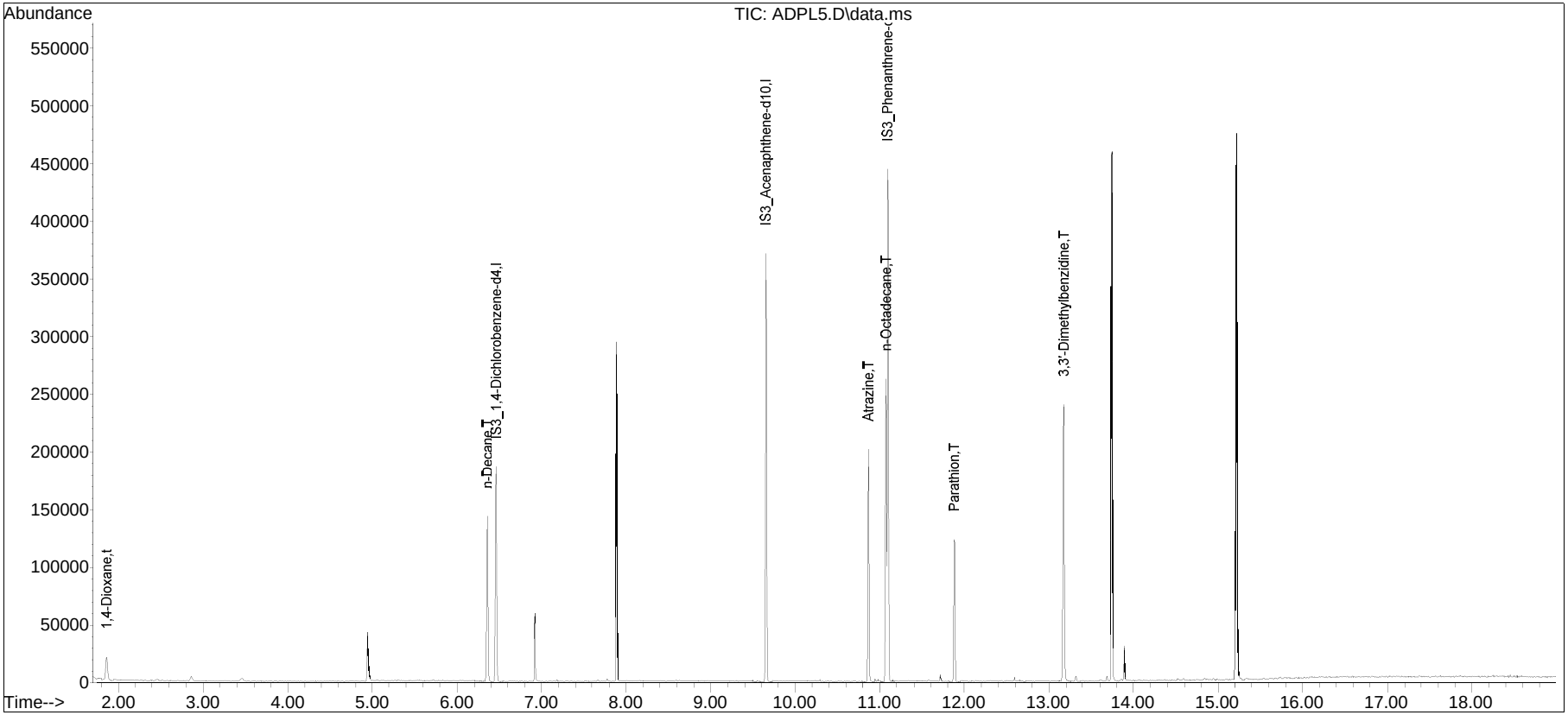
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL5.D
Acq On : 25 Jun 2024 2:49 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939040
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 25 10:12:34 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL5.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:49 am	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL4.D
Acq On : 25 Jun 2024 3:13 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939040
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 10:12:24 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	6.463	152	30616	4.000 ug/ml	0.00
Standard Area 1 = 32759			Recovery = 93.46%		
86) IS3_Acenaphthene-d10	9.657	164	68292	4.000 ug/ml	0.00
Standard Area 1 = 76462			Recovery = 89.31%		
100) IS3_Phenanthrene-d10	11.098	188	158970	4.000 ug/ml	0.00
Standard Area 1 = 180522			Recovery = 88.06%		
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	1.863	88	4493	1.004 ug/ml#	100
34) n-Decane	6.357	57	13858	1.089 ug/ml#	39
87) Atrazine	10.863	200	8830	1.017 ug/ml	93
101) n-Octadecane	11.074	57	19907	1.007 ug/ml#	1
102) Parathion	11.880	109	4303	0.872 ug/ml	96
103) 3,3'-Dimethylbenzidine	13.174	212	31093	0.990 ug/ml	99

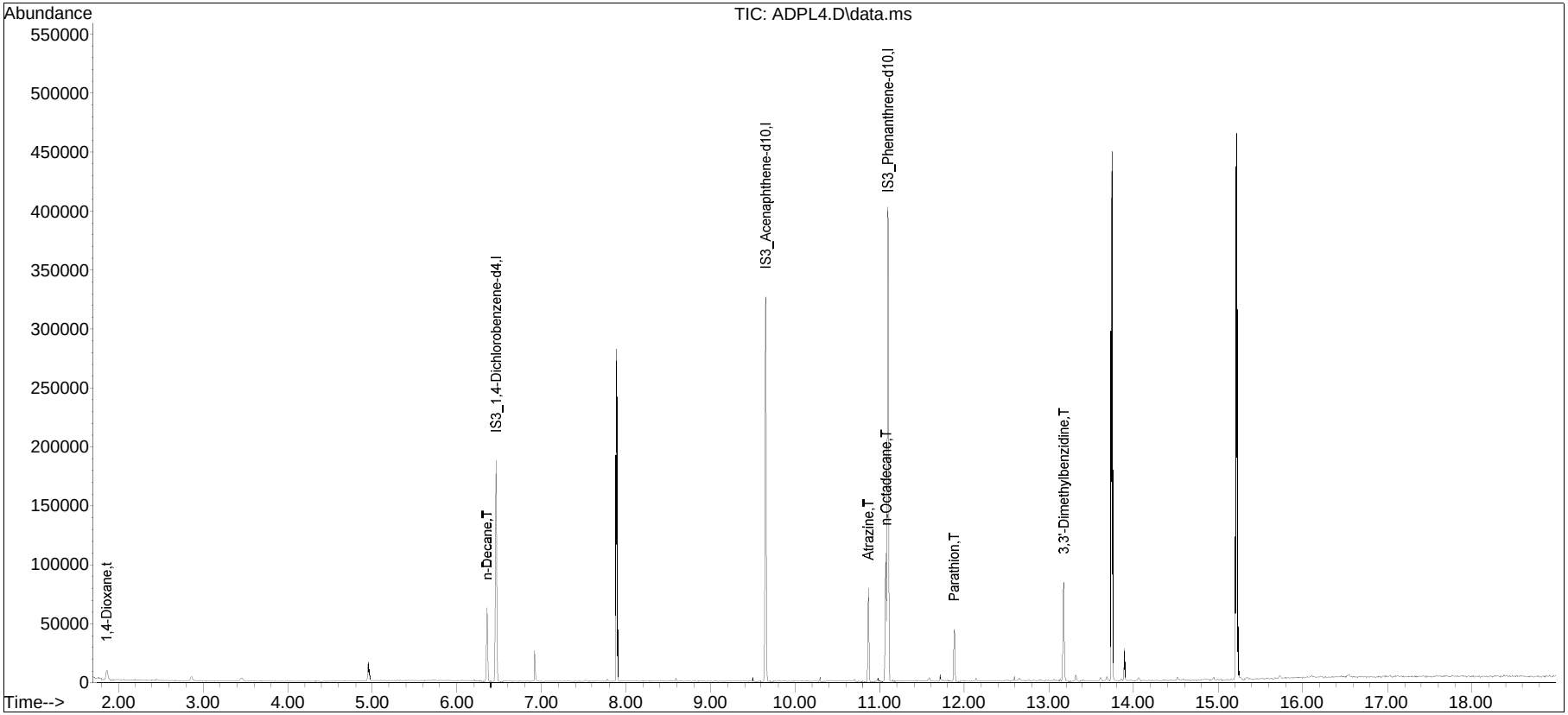
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL4.D
Acq On : 25 Jun 2024 3:13 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939040
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 10:12:24 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL4.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 3:13 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 10801	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL3.D
Acq On : 25 Jun 2024 3:37 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939040
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 25 10:12:13 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	30341	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	92.62%		
86) IS3_Acenaphthene-d10	9.651	164	67449	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	88.21%		
100) IS3_Phenanthrene-d10	11.092	188	158557	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	87.83%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	2381M6	0.537	ug/ml	
34) n-Decane	6.357	57	6394	0.507	ug/ml#	39
87) Atrazine	10.863	200	4137	0.482	ug/ml	99
101) n-Octadecane	11.074	57	9983	0.506	ug/ml#	1
102) Parathion	11.880	109	2532	0.514	ug/ml	90
103) 3,3'-Dimethylbenzidine	13.168	212	14072	0.449	ug/ml	99

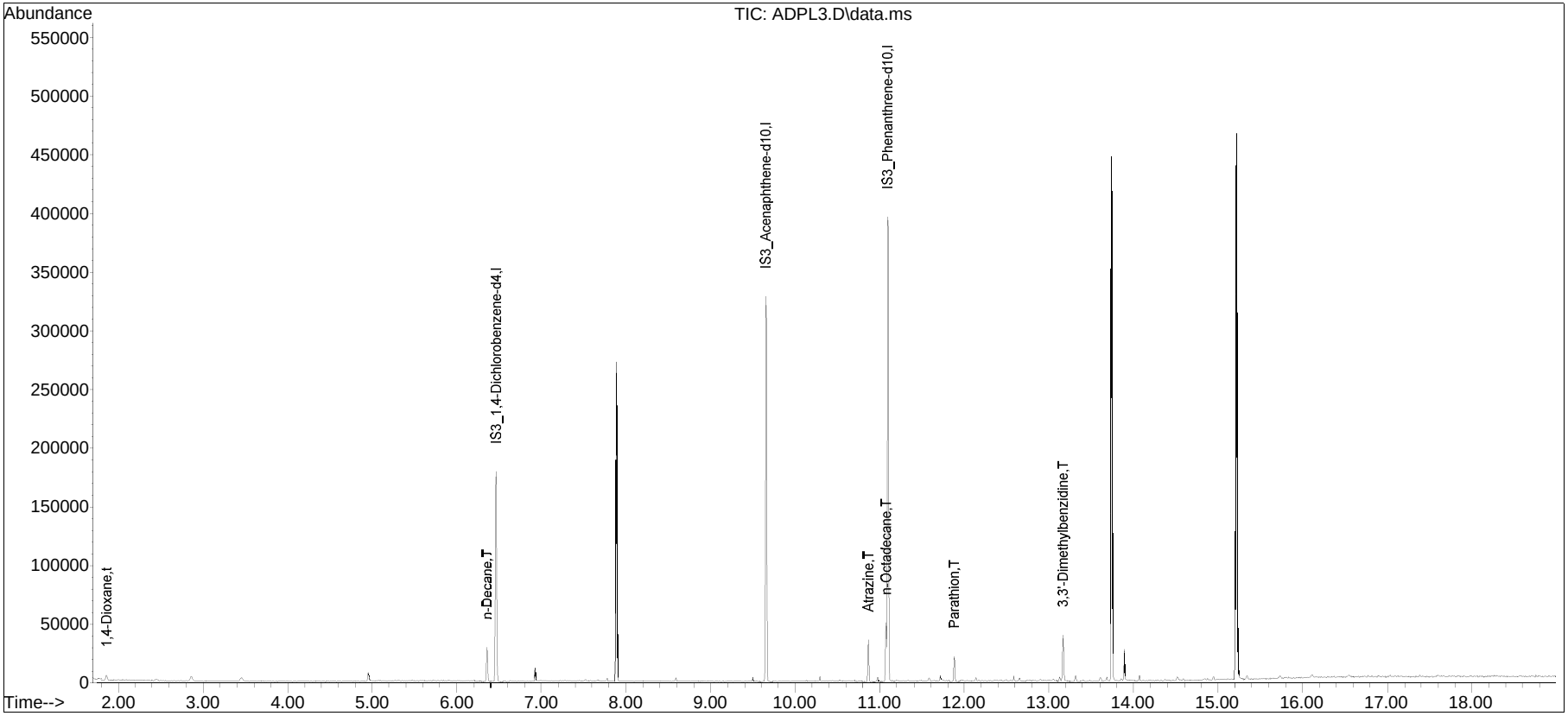
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL3.D
Acq On : 25 Jun 2024 3:37 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939040
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 25 10:12:13 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

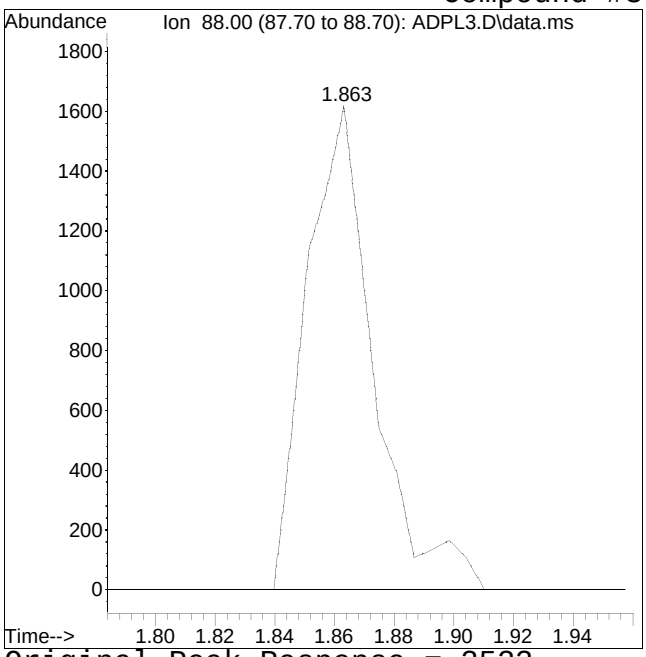
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



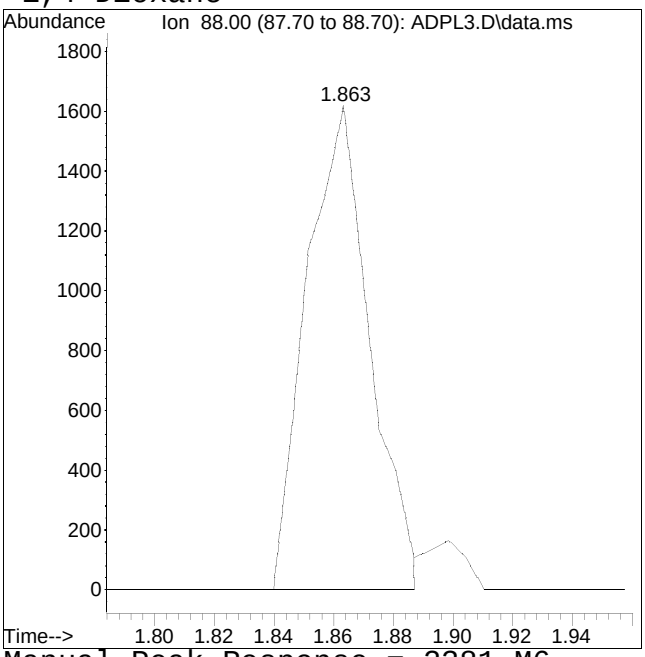
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ADPL3.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 3:37 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 10802Quant Date : 6/25/2024 10:12 am

Compound #33: 1,4-Dioxane



Original Peak Response = 2523



Manual Peak Response = 2381 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL2.D
Acq On : 25 Jun 2024 4:01 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939040
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 10:11:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31931	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	97.47%		
86) IS3_Acenaphthene-d10	9.651	164	68863	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	90.06%		
100) IS3_Phenanthrene-d10	11.092	188	158571	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	87.84%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.869	88	1140	0.244	ug/ml#	100
34) n-Decane	6.357	57	2770	0.209	ug/ml#	46
87) Atrazine	10.863	200	1642	0.187	ug/ml	98
101) n-Octadecane	11.075	57	3681	0.187	ug/ml#	1
102) Parathion	11.880	109	1023	0.208	ug/ml#	67
103) 3,3'-Dimethylbenzidine	13.174	212	5078	0.162	ug/ml#	96

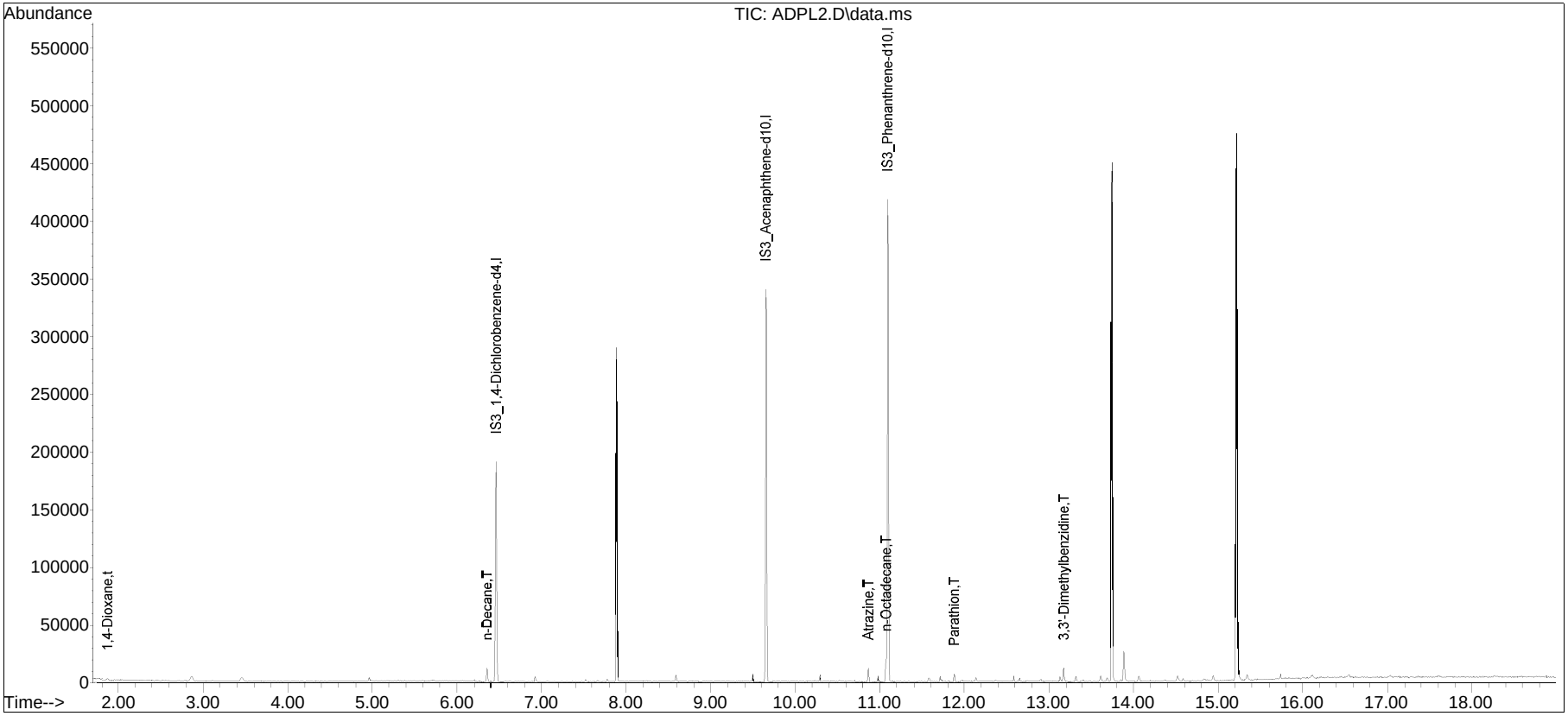
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL2.D
Acq On : 25 Jun 2024 4:01 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939040
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 10:11:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL2.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 4:01 am	Instrument	: SV 106
Sample	: IL9,32,,ADPL0.2 Lot# 10803	Quant Date	: 6/25/2024 10:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL1.D
Acq On : 25 Jun 2024 4:24 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939040
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 25 10:10:33 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31706	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery = 96.79%			
86) IS3_Acenaphthene-d10	9.651	164	74255	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery = 97.11%			
100) IS3_Phenanthrene-d10	11.092	188	175220	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery = 97.06%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	625	0.135	ug/ml#	100
34) n-Decane	6.357	57	1360	0.103	ug/ml#	34
87) Atrazine	10.863	200	1057	0.112	ug/ml#	33
101) n-Octadecane	11.074	57	2480	0.114	ug/ml#	1
102) Parathion	11.880	109	486M2	0.089	ug/ml	
103) 3,3'-Dimethylbenzidine	13.174	212	2340	0.068	ug/ml#	75

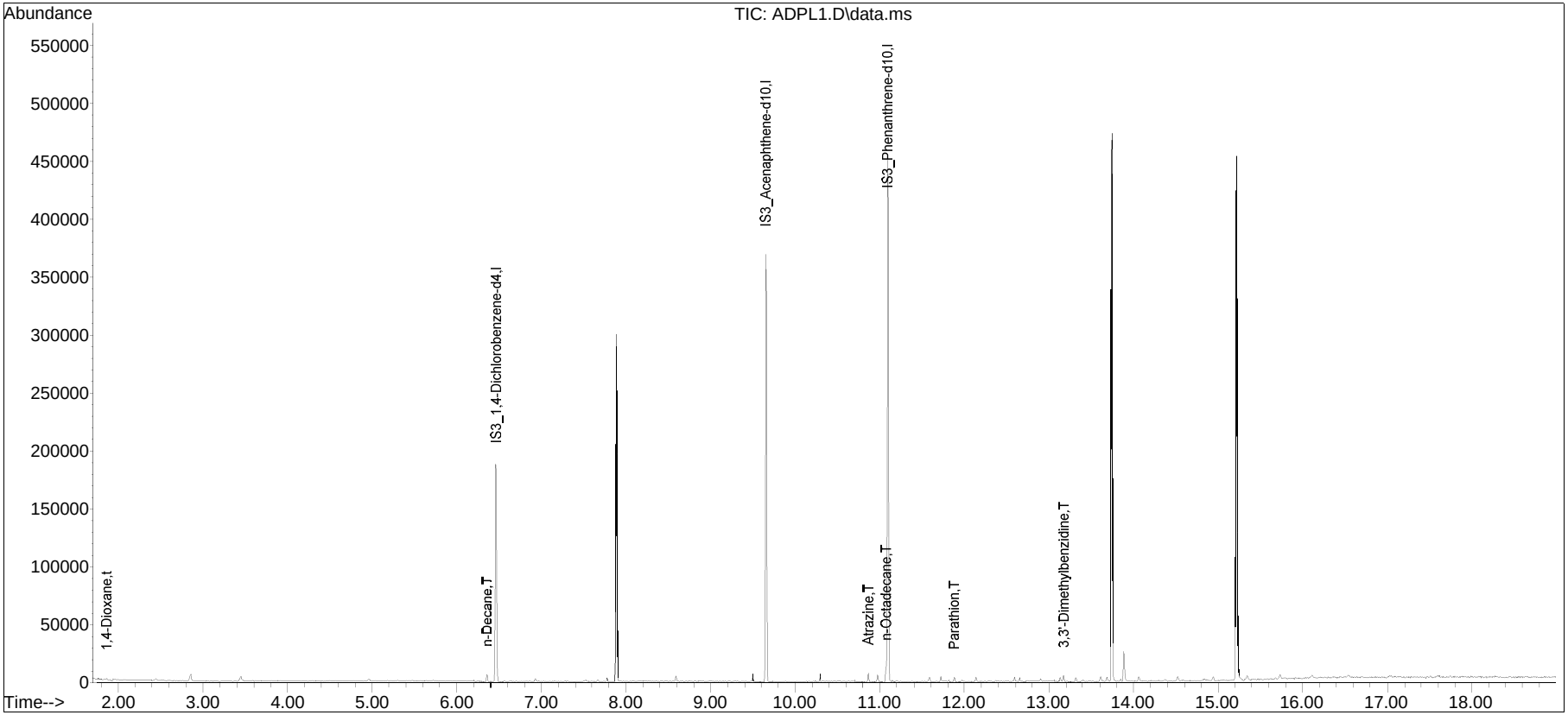
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL1.D
Acq On : 25 Jun 2024 4:24 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939040
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 25 10:10:33 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

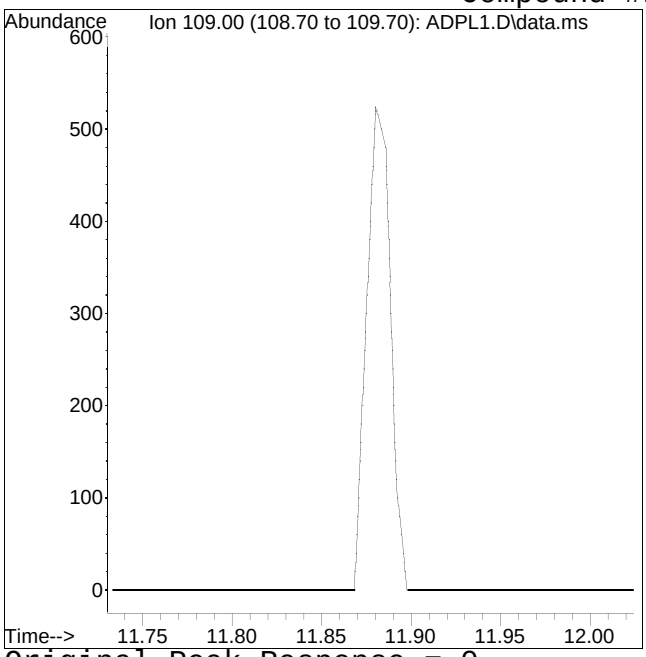
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



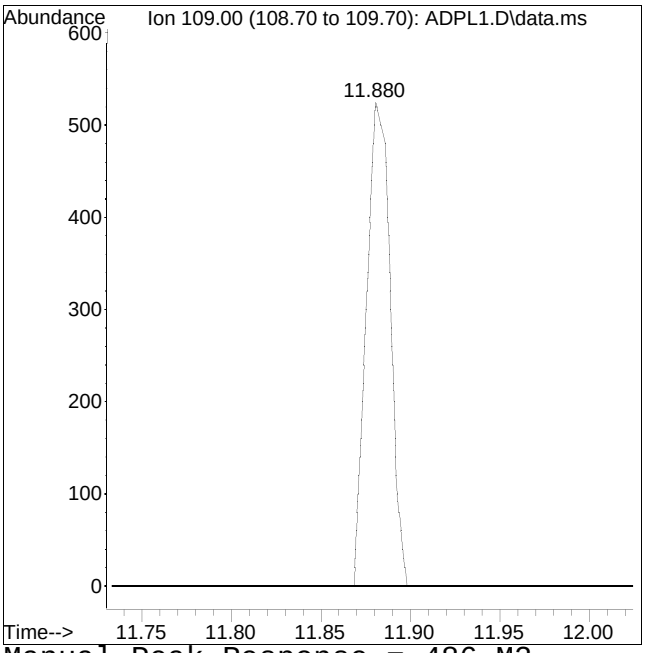
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ADPL1.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 4:24 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 6/25/2024 10:11 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 486 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
33	t	1,4-Dioxane	0.584	0.502	14.0	93	0.00
34	T	n-Decane	1.662	1.657	0.3	98	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	90	0.00
87	T	Atrazine	0.509	0.442	13.2	86	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	90	0.00
101	T	n-Octadecane	0.498	0.485	2.6	94	0.00
102	T	Parathion	0.124	0.111	10.5	89	0.00
103	T	3,3'-Dimethylbenzidine	0.791	0.752	4.9	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	29795	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery = 90.95%			
86) IS3_Acenaphthene-d10	9.657	164	68746	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery = 89.91%			
100) IS3_Phenanthrene-d10	11.098	188	162297	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery = 89.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	18691	4.293	ug/ml#	100
34) n-Decane	6.357	57	61707	4.984	ug/ml#	43
87) Atrazine	10.863	200	38018	4.349	ug/ml	95
101) n-Octadecane	11.074	57	98298	4.869	ug/ml#	1
102) Parathion	11.880	109	22600	4.486	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.174	212	152633	4.758	ug/ml	100

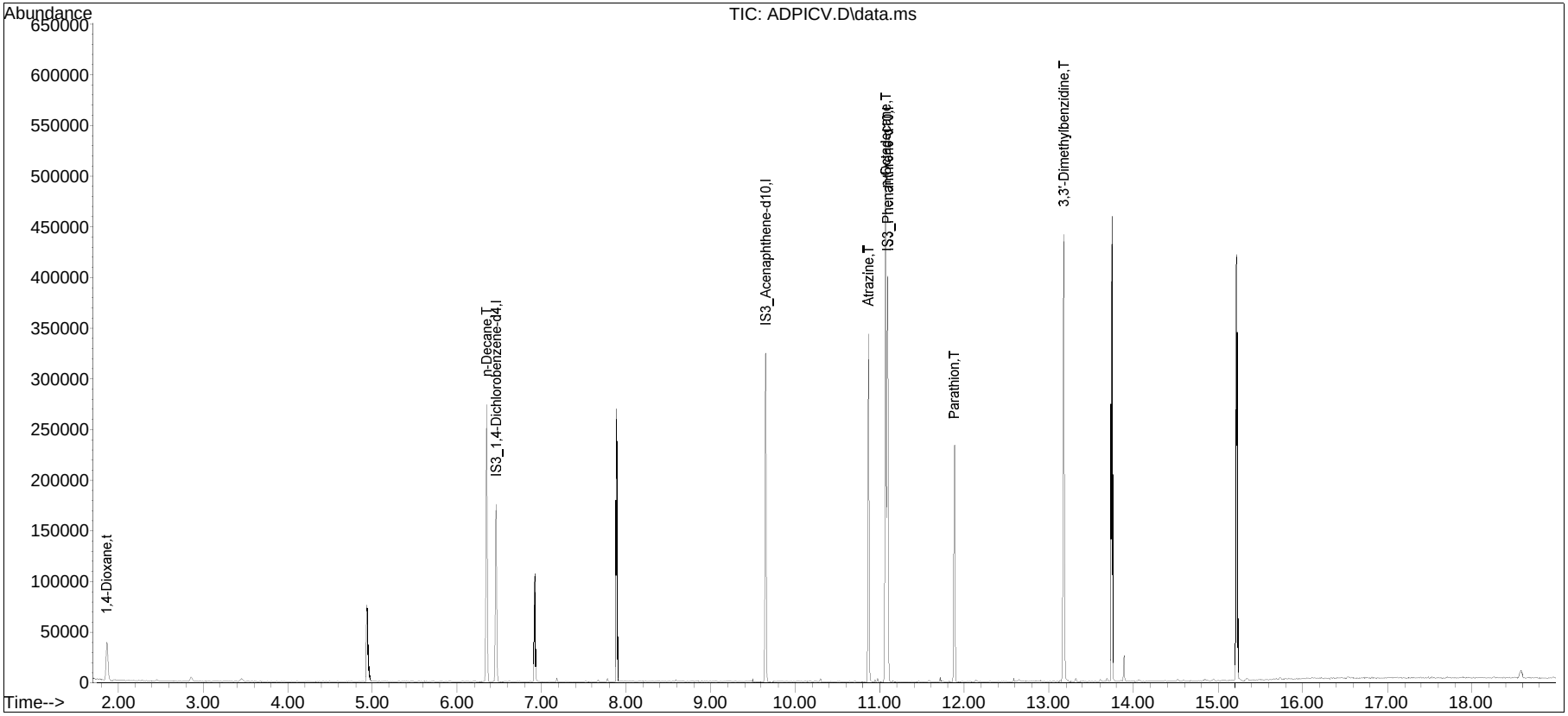
(#) = qualifier out of range (m) = manual integration (+) = signals summed

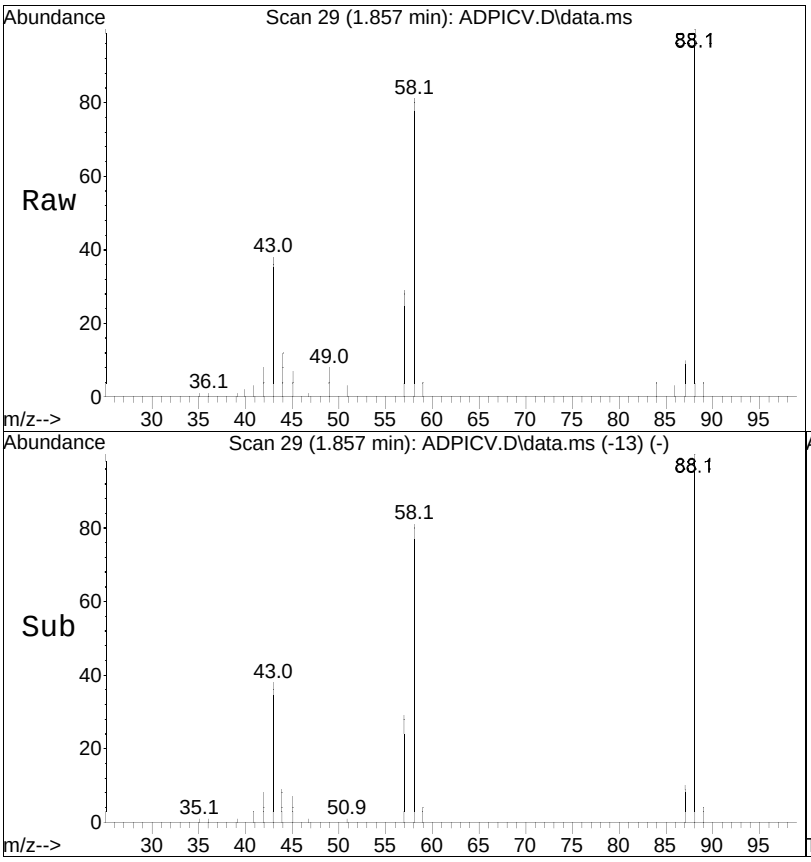
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

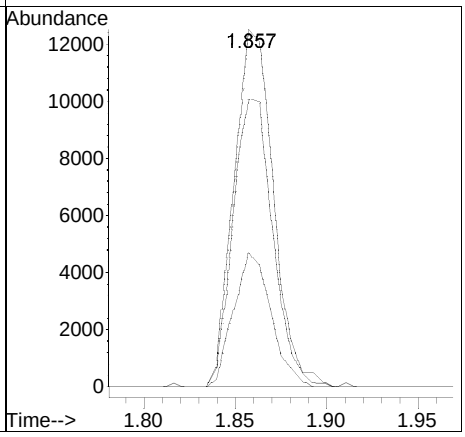


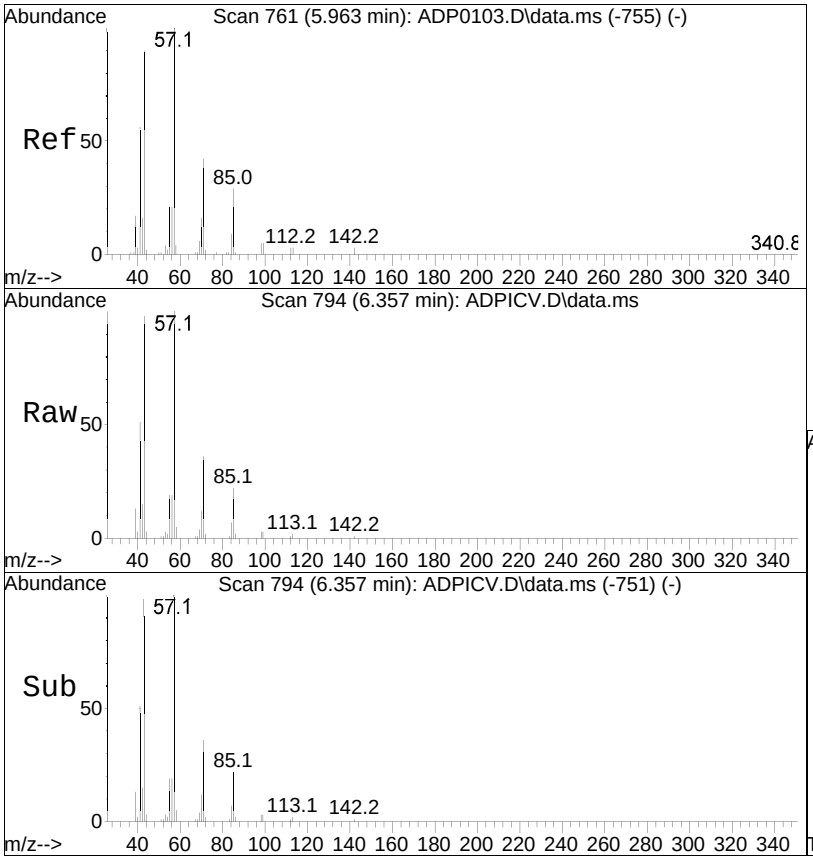


#33
1,4-Dioxane
Concen: 4.29 ug/ml
RT: 1.857 min Scan# 29
Delta R.T. -0.006 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 88 Resp: 18691

Ion	Ratio	Lower	Upper
88	100		
58	80.8	0.0	0.0#
43	35.7	0.0	0.0#

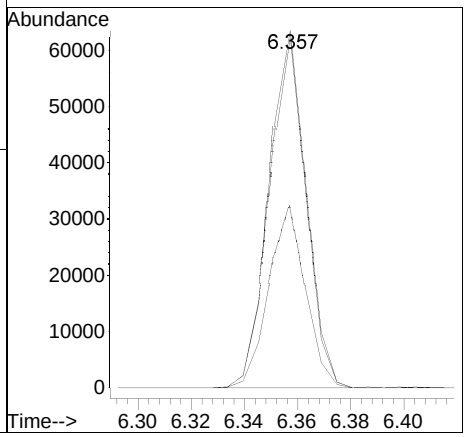


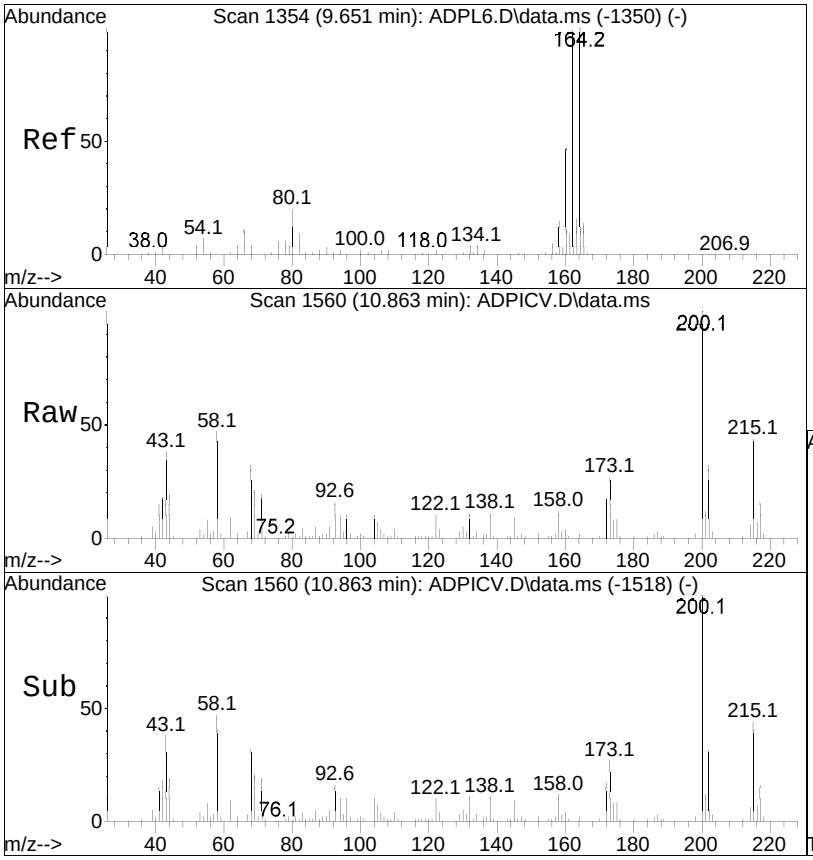


#34
n-Decane
Concen: 4.98 ug/ml
RT: 6.357 min Scan# 794
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 57 Resp: 61707

Ion	Ratio	Lower	Upper
57	100		
43	96.3	0.2	0.2#
41	50.3	0.2	0.2#

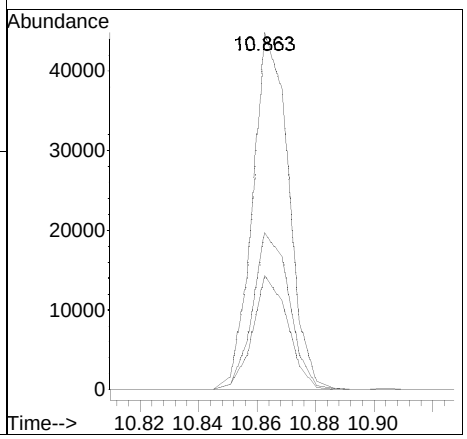


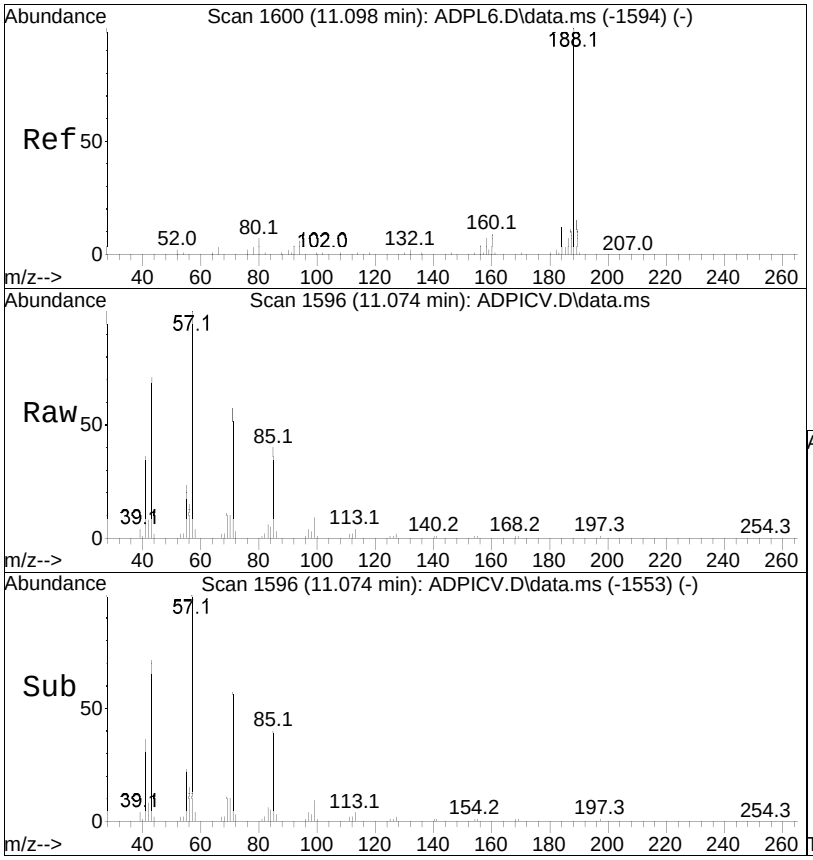


#87
Atrazine
Concen: 4.35 ug/ml
RT: 10.863 min Scan# 1560
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:200 Resp: 38018

Ion	Ratio	Lower	Upper
200	100		
202	31.4	25.8	38.6
215	44.8	40.2	60.4

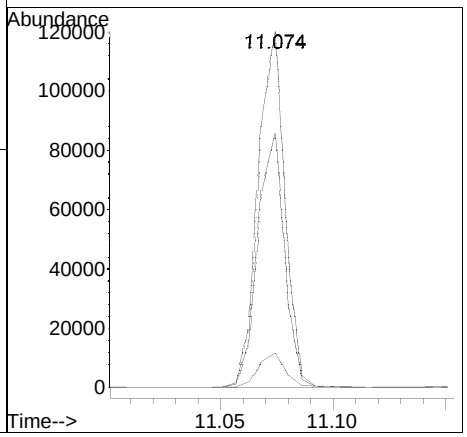


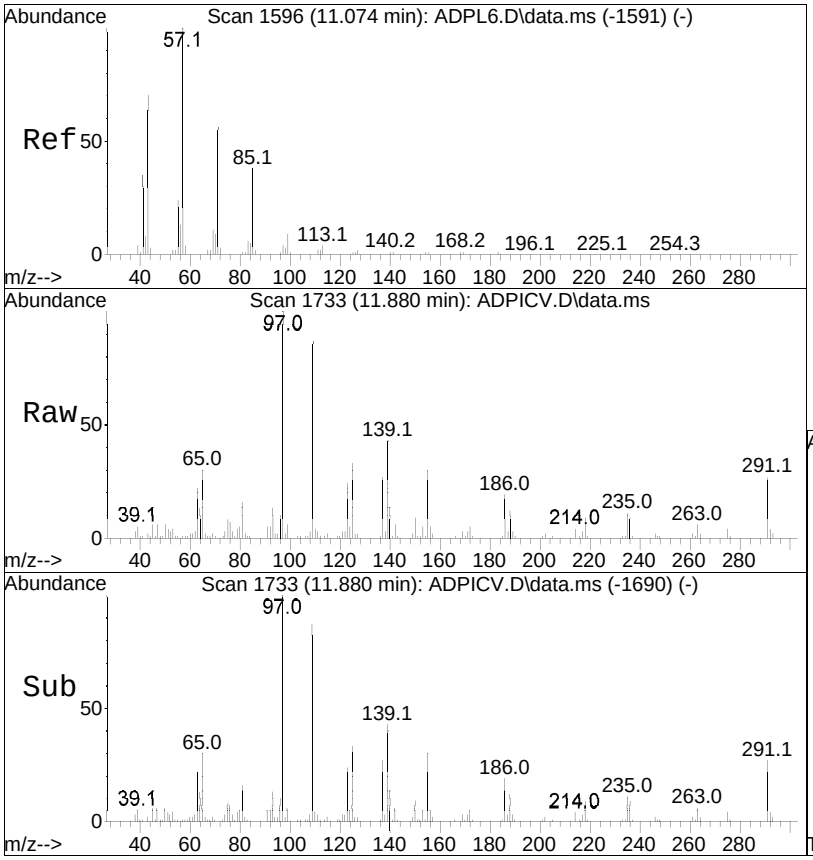


#101
n-Octadecane
Concen: 4.87 ug/ml
RT: 11.074 min Scan# 1596
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 57 Resp: 98298

Ion	Ratio	Lower	Upper
57	100		
43	71.5	9.0	13.6#
70	10.0	0.2	0.2#

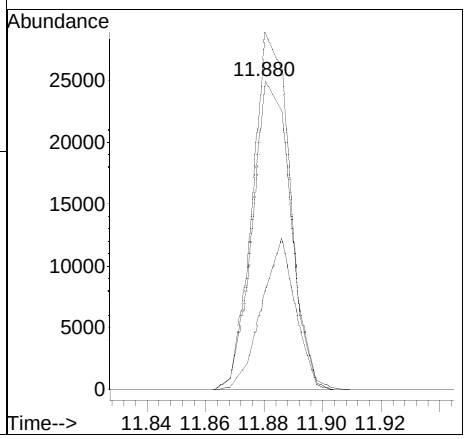


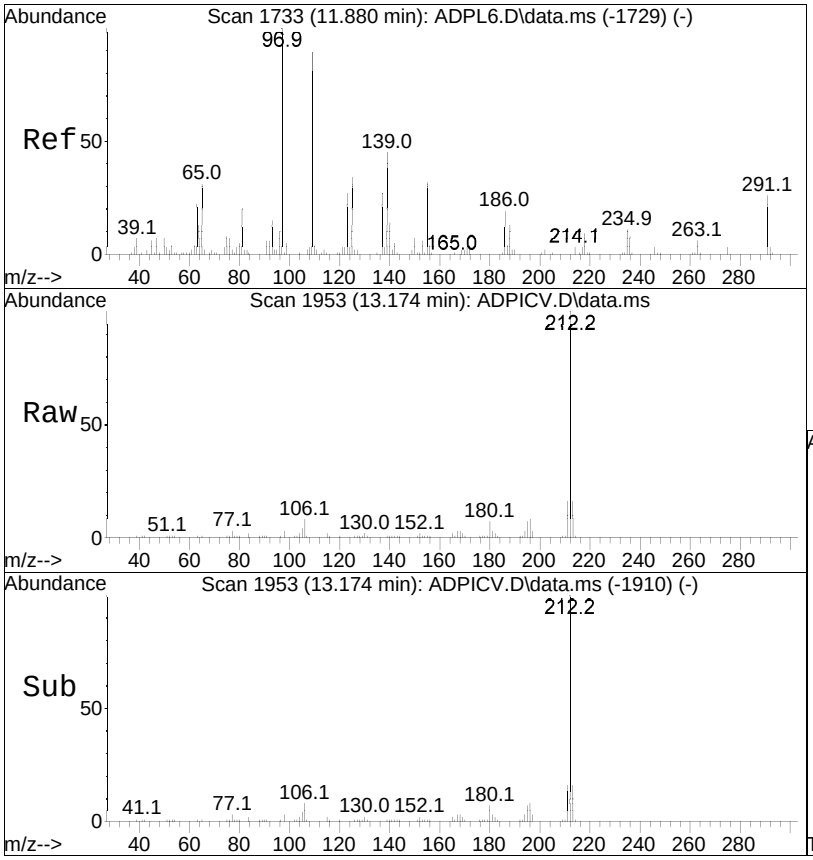


#102
Parathion
Concen: 4.49 ug/ml
RT: 11.880 min Scan# 1733
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:109 Resp: 22600

Ion	Ratio	Lower	Upper
109	100		
97	112.1	87.4	131.2
291	43.6	34.2	51.2

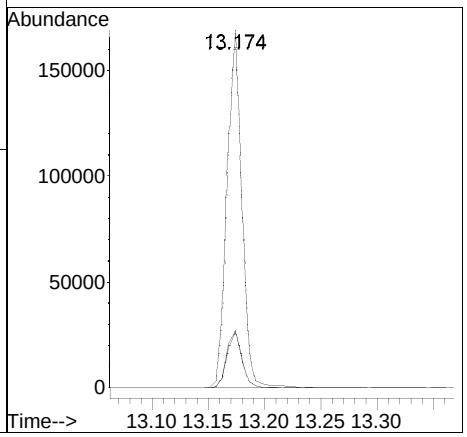




#103
3,3'-Dimethylbenzidine
Concen: 4.76 ug/ml
RT: 13.174 min Scan# 1953
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:212 Resp: 152633

Ion	Ratio	Lower	Upper
212	100		
211	15.9	12.9	19.3
213	16.5	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPICV.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 4:48 am	Instrument	: SV 106
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 6/25/2024 6:35 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	Q	ug/ml	5.0	4.700	-6.0	0.50	0.589	17.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Quadratic	0.999198	0.003511	0.293629	-0.026998

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
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L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263	*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269	*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122	*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806	*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

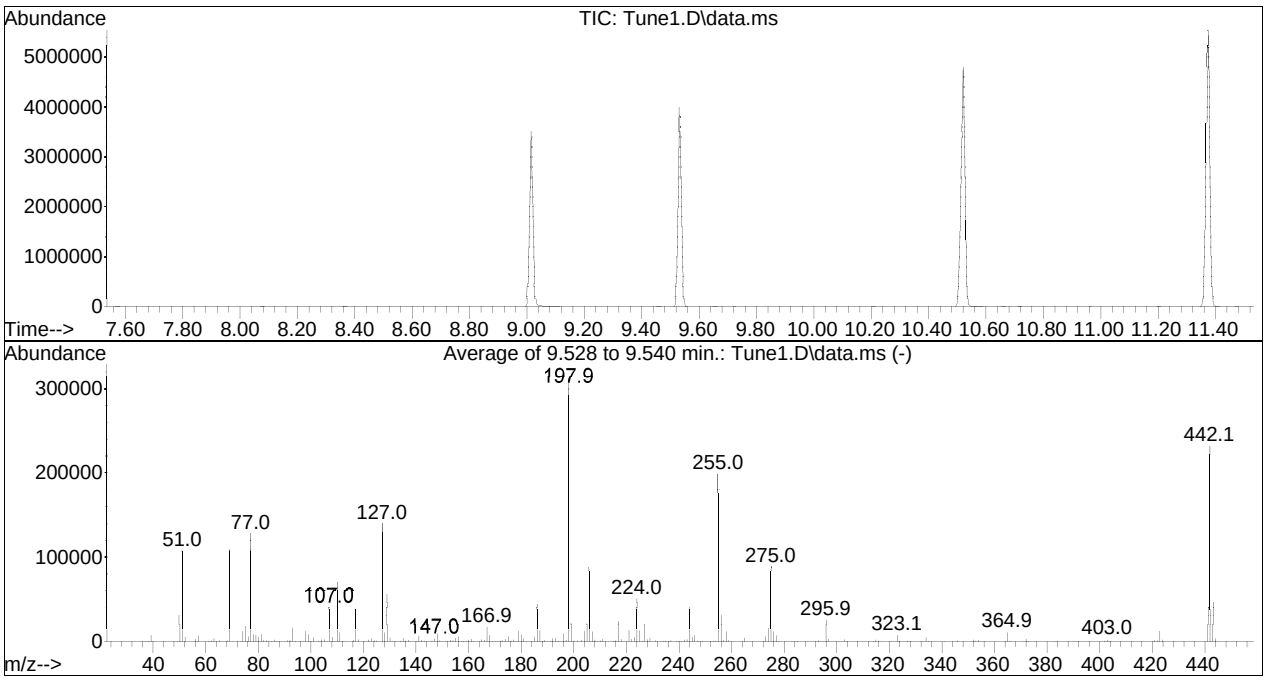
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



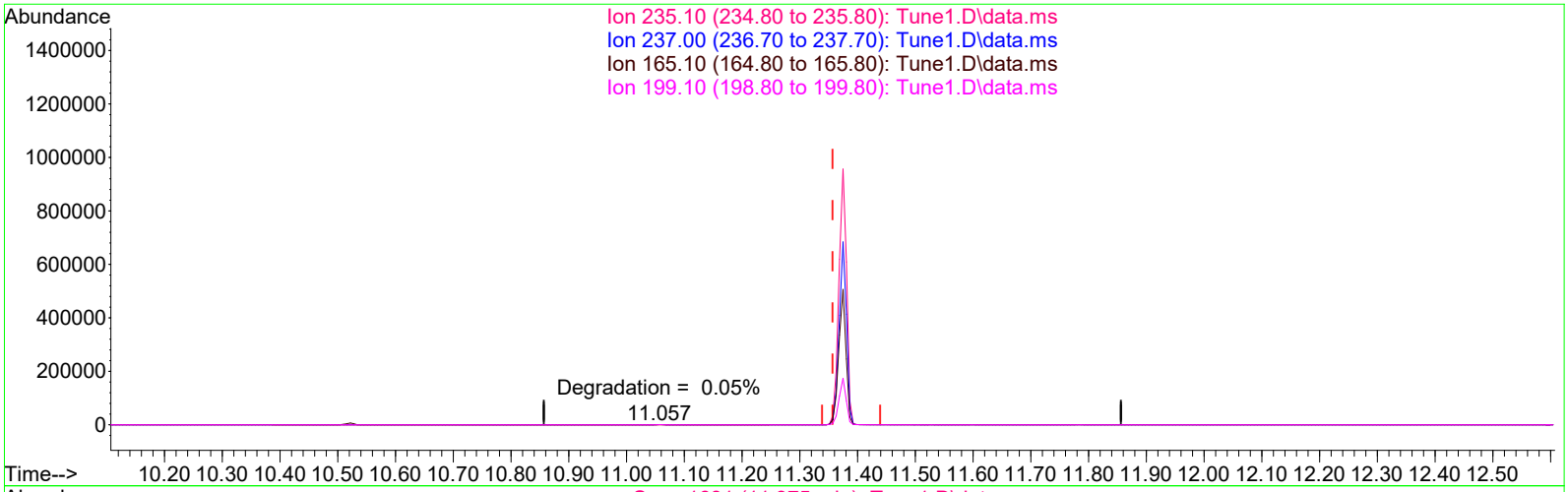
Spectrum Information: Average of 9.528 to 9.540 min.

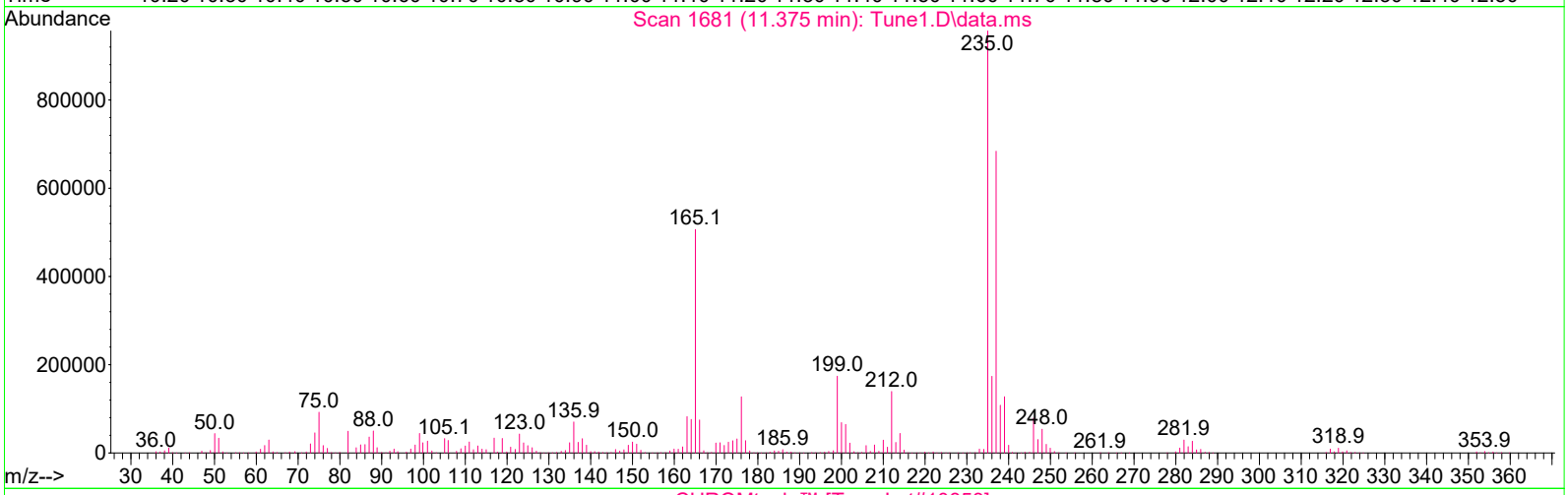
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	107589	PASS
68	69	0.00	2	1.7	1867	PASS
69	69	100	100	100.0	108645	PASS
70	69	0.00	2	0.5	539	PASS
127	198	10	80	44.6	139515	PASS
197	198	0.00	2	0.7	2272	PASS
198	198	100	100	100.0	313131	PASS
199	198	5	9	7.0	22069	PASS
275	198	10	60	28.2	88349	PASS
365	198	1	100	3.4	10597	PASS
441	442	0.01	24	17.5	40525	PASS
442	198	50	100	74.0	231659	PASS
443	442	15	24	20.0	46224	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.375min (+ 0.018) 145.99

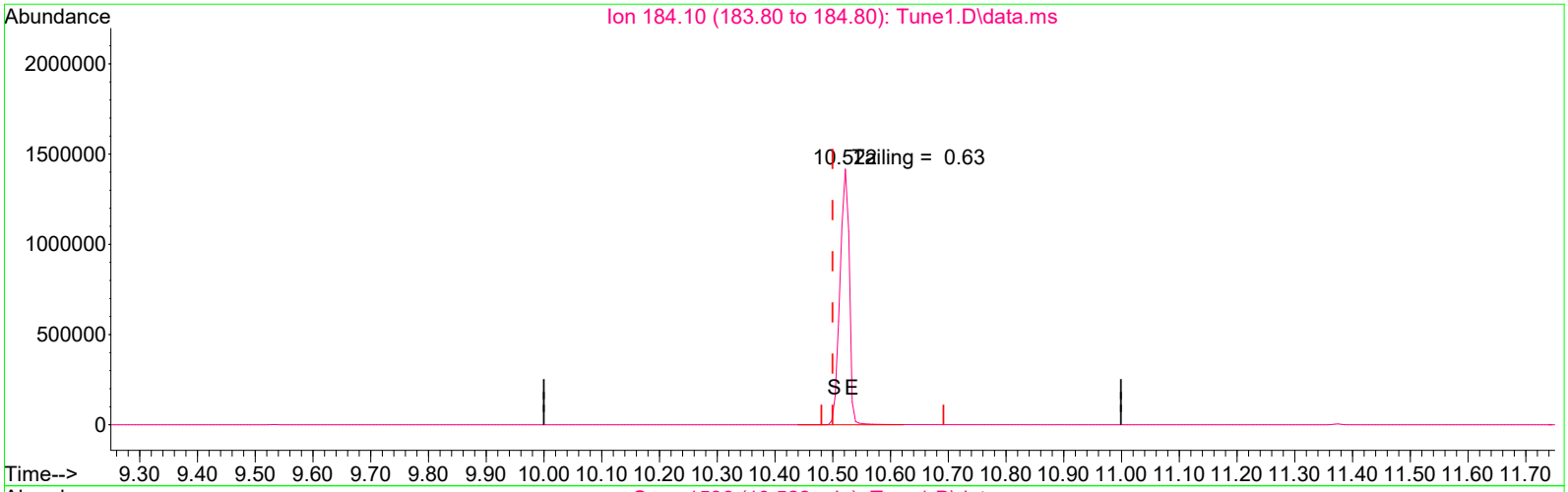
response 889919

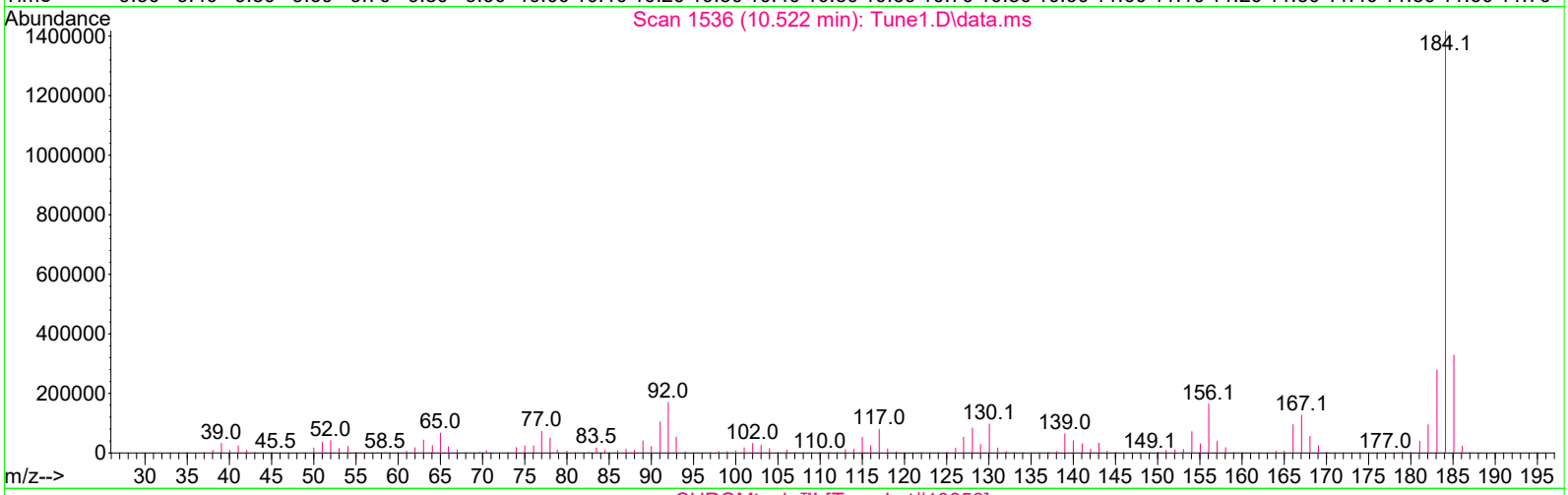
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	68.37
165.10	42.20	49.70
199.10	13.70	16.82

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.522min (+ 0.022) 157.43

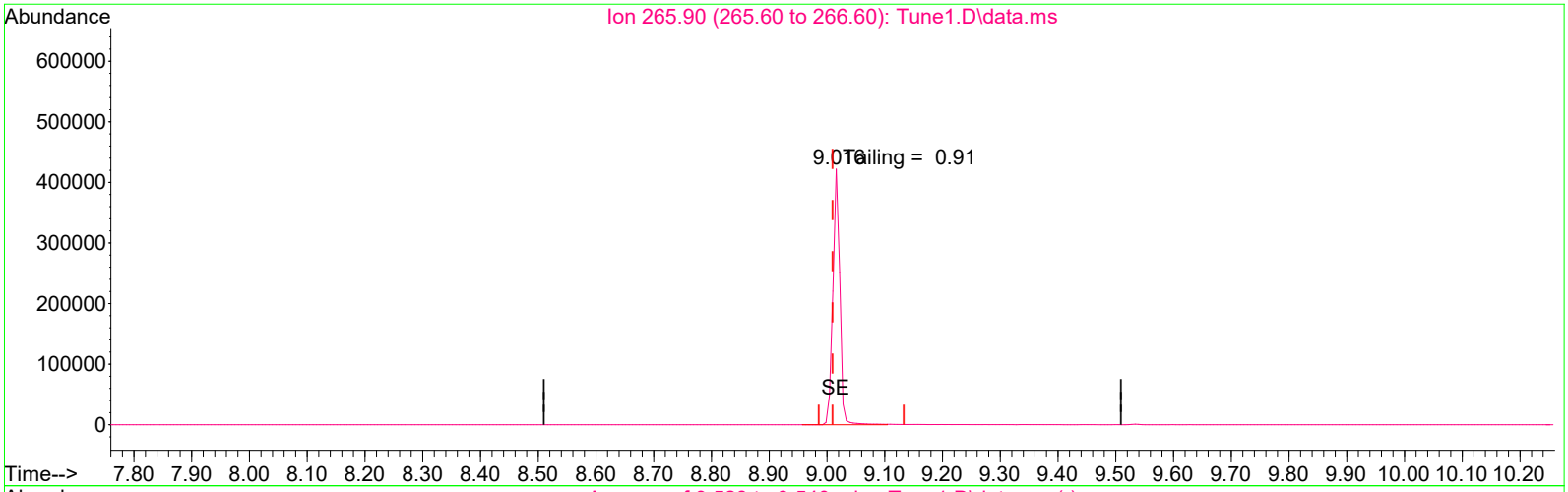
response 1602665

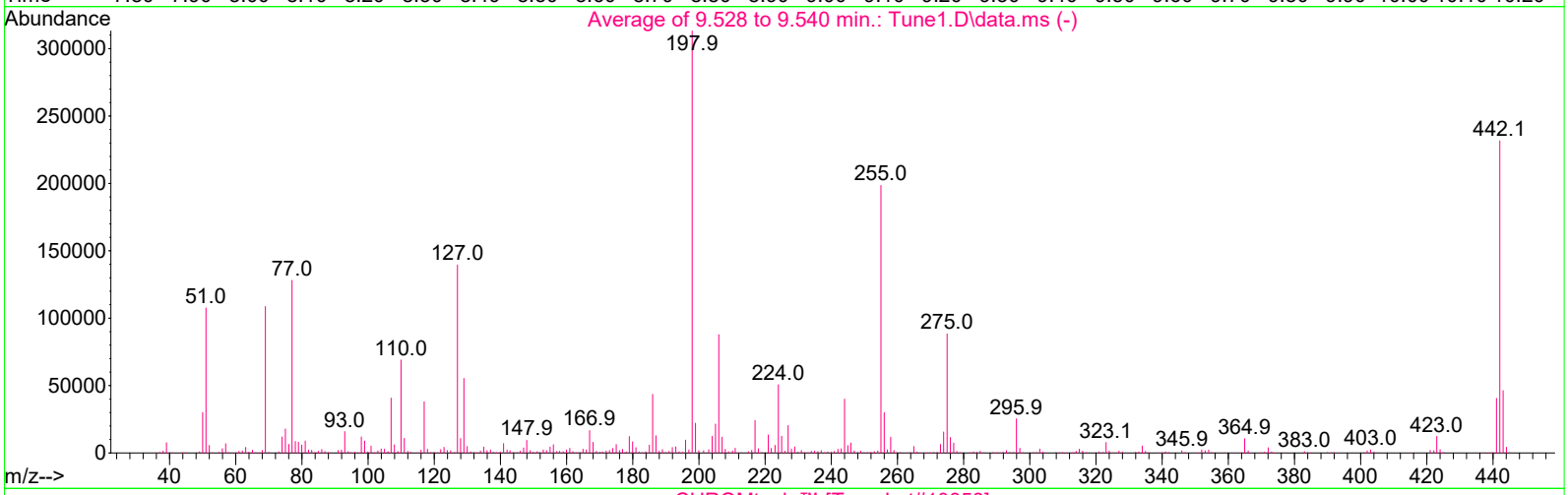
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.016min (+ 0.006) 169.73

response 356498

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23708	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 111.49%		
35) IS1_Naphthalene-d8	6.046	136	94057	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 115.12%		
63) IS1_Acenaphthene-d10	7.752	164	61295	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 124.61%		
88) IS1_Phenanthrene-d10	9.181	188	128794	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.01%		
104) IS1_Chrysene-d12	11.834	240	145276	4.000 ug/ml	# 0.01
Standard Area 1 = 111228			Recovery = 130.61%		
113) IS1_Perylene-d12	13.304	264	150213	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 114.32%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	310628	49.898 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2494.90%#		
7) Phenol-d6	4.487	99	410892	51.106 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2555.30%#		
19) Nitrobenzene-d5	5.346	82	400136	52.175 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5217.50%#		
46) 2-Fluorobiphenyl	7.110	172	951461	44.737 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4473.70%#		
79) 2,4,6-Tribromophenol	8.516	330	220777	61.071 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3053.55%#		
96) 4-Terphenyl-d14	10.763	244	1399064	42.234 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4223.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.158	74	197238	50.642 ug/ml	97
3) Pyridine	2.187	79	316483	51.217 ug/ml	84
5) Aniline	4.487	93	531545	49.526 ug/ml#	48
6) 2-Chlorophenol	4.605	128	368119	49.662 ug/ml	96
8) Phenol	4.499	94	466545	49.917 ug/ml#	44
9) Bis(2-chloroethyl)ether	4.569	93	330552	47.780 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	425498	47.593 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	430635	46.143 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	428672	49.023 ug/ml	96
13) Benzyl alcohol	4.958	79	308011	55.012 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	434355	49.697 ug/ml#	53

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
15) 2-Methylphenol	5.081	108	331313	52.912	ug/ml		98
16) Hexachloroethane	5.299	117	173998	52.641	ug/ml	#	67
17) n-Nitrosodi-n-propylamine	5.228	70	278423	54.294	ug/ml		100
18) 3-Methylphenol/4-Methy...	5.240	108	366732	53.785	ug/ml		98
20) Nitrobenzene	5.369	77	397558	52.020	ug/ml		98
21) Isophorone	5.610	82	714103	51.753	ug/ml		96
22) 2-Nitrophenol	5.681	139	197090	57.903	ug/ml		96
23) 2,4-Dimethylphenol	5.752	107	357001	54.697	ug/ml		98
24) Bis(2-chloroethoxy)met...	5.840	93	470425	50.649	ug/ml		97
25) 2,4-Dichlorophenol	5.922	162	380910	55.749	ug/ml		94
26) 1,2,4-Trichlorobenzene	5.999	180	427420	49.395	ug/ml		97
36) Naphthalene	6.063	128	1044031	42.342	ug/ml	#	92
37) Benzoic Acid	5.910	105	294521	52.720	ug/ml		97
38) 4-Chloroaniline	6.128	65	151590	54.707	ug/ml		97
39) Hexachlorobutadiene	6.210	225	289606	50.112	ug/ml		98
40) p-Chloro-m-cresol	6.622	107	355399	54.588	ug/ml		93
41) 2-Methylnaphthalene	6.740	142	787243	46.948	ug/ml		96
42) 1-Methylnaphthalene	6.834	115	285956	49.582	ug/ml		94
43) Hexachlorocyclopentadiene	6.910	237	327740	55.561	ug/ml		99
44) 2,4,6-Trichlorophenol	7.028	196	330658	54.830	ug/ml		99
45) 2,4,5-Trichlorophenol	7.057	196	354106	57.390	ug/ml		99
47) 2-Chloronaphthalene	7.210	162	821632	46.065	ug/ml		95
48) 2-Nitroaniline	7.322	138	276153	58.593	ug/ml		93
49) 1,4-Dinitrobenzene	7.452	168	146630	63.425	ug/ml		83
50) 1,3-Dinitrobenzene	7.528	168	172762	64.450	ug/ml		82
51) Dimethyl phthalate	7.528	163	974978	44.937	ug/ml	#	95
52) Acenaphthylene	7.610	152	1188835	45.150	ug/ml	#	89
53) 2,6-Dinitrotoluene	7.569	165	233918	57.642	ug/ml		92
54) 1,2-Dinitrobenzene	7.616	168	106780	68.592	ug/ml	#	1
64) 3-Nitroaniline	7.722	138	258315	56.419	ug/ml		92
65) Acenaphthene	7.781	154	788708	46.174	ug/ml		97
66) 2,4-Dinitrophenol	7.822	184	149405	49.564	ug/ml	#	84
67) Dibenzofuran	7.952	168	1181251	41.960	ug/ml		97
68) 2,4-Dinitrotoluene	7.957	165	358412	61.016	ug/ml		88
69) 4-Nitrophenol	7.322	65	238463	53.752	ug/ml	#	11
70) 2,3,5,6-Tetrachlorophenol	8.040	232	332419	57.606	ug/ml		99
71) 2,3,4,6-Tetrachlorophenol	8.081	232	325008	57.329	ug/ml		99
72) Diethyl phthalate	8.216	149	1042470	45.763	ug/ml	#	92
73) Fluorene	8.281	166	1008800	46.015	ug/ml		98
74) 4-Chlorophenyl phenyl ...	8.299	204	567955	47.539	ug/ml	#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.322	138	263319	54.666	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.352	198	201559	51.288	ug/ml#	74
77)	NDPA/DPA	8.416	169	879551	46.640	ug/ml	89
78)	Azobenzene	8.452	77	934596	46.731	ug/ml#	91
80)	4-Bromophenyl phenyl e...	8.769	248	375483	49.055	ug/ml#	83
81)	Hexachlorobenzene	8.822	284	453546	47.160	ug/ml#	86
82)	Pentachlorophenol	9.016	266	299901	68.944	ug/ml	99
89)	Phenanthrene	9.204	178	1368984	40.184	ug/ml#	86
90)	Anthracene	9.257	178	1410608	42.318	ug/ml#	86
91)	Carbazole	9.422	167	1331588	43.628	ug/ml#	88
92)	Di-n-butylphthalate	9.804	149	1465236	44.009	ug/ml#	90
93)	Fluoranthene	10.363	202	1581098	39.994	ug/ml#	91
94)	Benzidine	10.516	184	1129713	51.974	ug/ml	96
95)	Pyrene	10.581	202	1648954	39.352	ug/ml#	82
97)	Butyl benzyl phthalate	11.287	149	842924	57.220	ug/ml#	97
105)	Benzo(a)anthracene	11.828	228	1878103	40.261	ug/ml#	82
106)	3,3'-Dichlorobenzidine	11.822	252	902789	53.129	ug/ml#	94
107)	Chrysene	11.869	228	1652363	36.131	ug/ml#	81
108)	Bis(2-ethylhexyl)phtha...	11.928	149	1229491	53.003	ug/ml#	89
109)	Di-n-octylphthalate	12.610	149	1768108	49.738	ug/ml#	95
110)	Benzo(b)fluoranthene	12.945	252	2026755	42.361	ug/ml#	91
111)	Benzo(k)fluoranthene	12.975	252	1600001M3	36.638	ug/ml	
112)	Benzo(a)pyrene	13.257	252	1735579	41.576	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	14.322	276	2226872M6	53.020	ug/mL	
115)	Dibenzo(a,h)anthracene	14.345	278	1928257	48.074	ug/ml#	90
116)	Benzo(ghi)perylene	14.592	276	1880012	46.449	ug/ml#	92

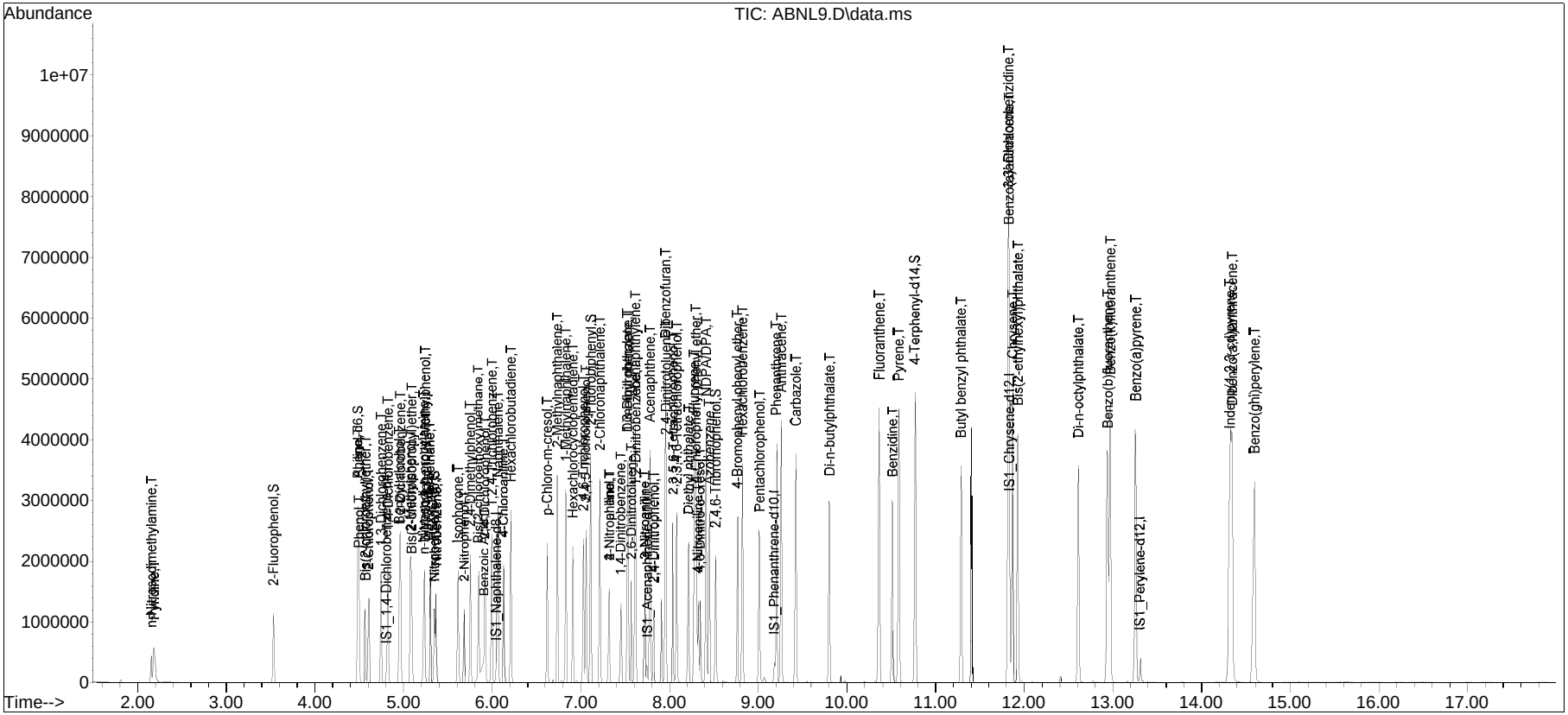
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

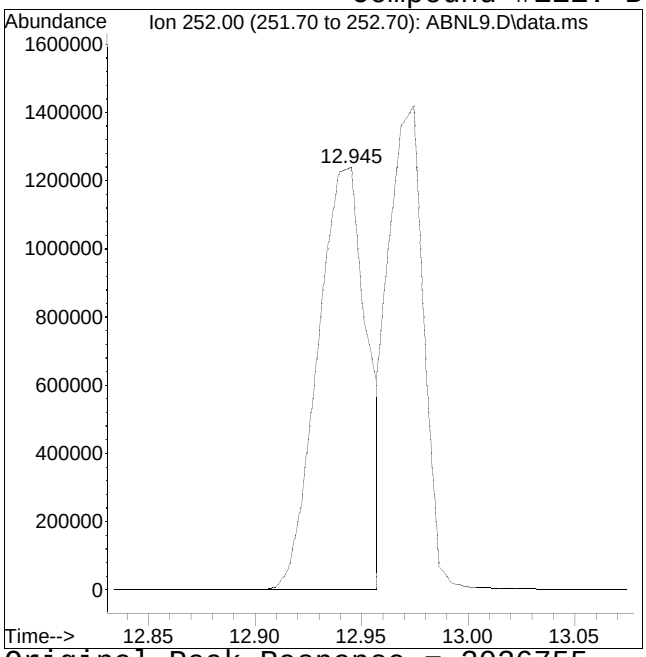
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

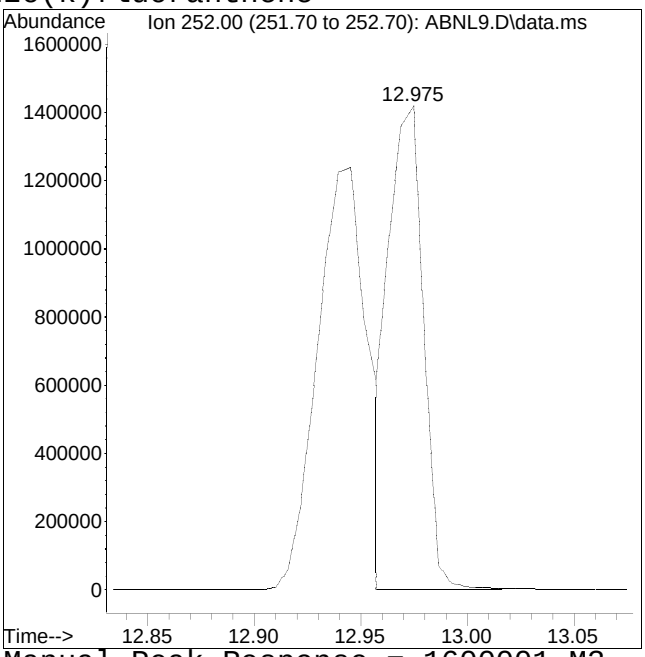


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene





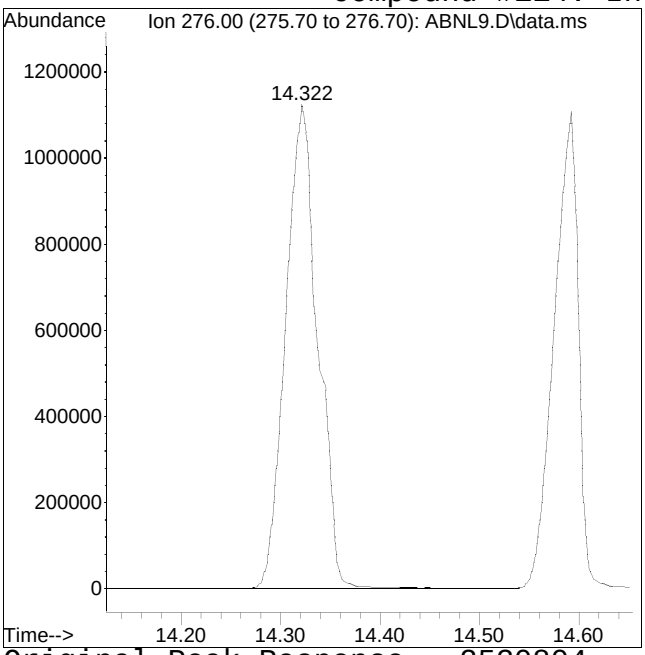
Original Peak Response = 2026755 Manual Peak Response = 1600001 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

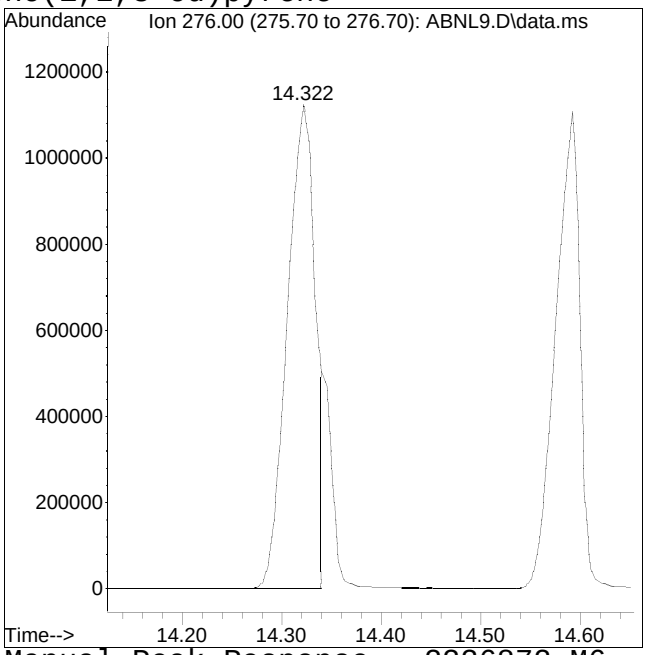
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2530804



Manual Peak Response = 2226872 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23361	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 109.86%		
35) IS1_Naphthalene-d8	6.040	136	89632	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.70%		
63) IS1_Acenaphthene-d10	7.746	164	57238	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 116.36%		
88) IS1_Phenanthrene-d10	9.181	188	127467	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 122.73%		
104) IS1_Chrysene-d12	11.828	240	141623	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 127.33%		
113) IS1_Perylene-d12	13.298	264	152512	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 116.07%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	154909	25.253 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1262.65%#		
7) Phenol-d6	4.481	99	198121	25.008 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1250.40%#		
19) Nitrobenzene-d5	5.346	82	192079	25.418 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2541.80%#		
46) 2-Fluorobiphenyl	7.110	172	473165	23.346 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2334.60%#		
79) 2,4,6-Tribromophenol	8.510	330	99010	29.329 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1466.45%#		
96) 4-Terphenyl-d14	10.763	244	779402	23.773 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2377.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.152	74	100835	26.275 ug/ml#	96
3) Pyridine	2.187	79	169913	27.906 ug/ml	84
5) Aniline	4.487	93	261313	24.709 ug/ml#	49
6) 2-Chlorophenol	4.599	128	178547	24.445 ug/ml	96
8) Phenol	4.493	94	227310	24.682 ug/ml#	45
9) Bis(2-chloroethyl)ether	4.563	93	162747	23.874 ug/ml	97
10) 1,3-Dichlorobenzene	4.746	146	207980	23.609 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	209957	22.831 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	204963	23.788 ug/ml	96
13) Benzyl alcohol	4.952	79	147370	26.712 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	213410	24.780 ug/ml#	58

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	156869	25.425	ug/ml	97
16) Hexachloroethane	5.299	117	80365	24.675	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.222	70	130659	25.858	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	172439	25.666	ug/ml	97
20) Nitrobenzene	5.363	77	191658	25.451	ug/ml	100
21) Isophorone	5.605	82	350263	25.762	ug/ml	98
22) 2-Nitrophenol	5.675	139	93862	27.985	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	167321	26.017	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	223575	24.429	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	177771	26.405	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	200491	23.514	ug/ml	96
36) Naphthalene	6.063	128	540920	23.021	ug/ml	97
37) Benzoic Acid	5.869	105	135966	25.649	ug/ml	98
38) 4-Chloroaniline	6.128	65	71436	27.053	ug/ml	96
39) Hexachlorobutadiene	6.210	225	132422	24.045	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	167398	26.981	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	382577	23.942	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	131664	23.956	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	146351	26.035	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	154290	26.847	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	160980M3	27.378	ug/ml	
47) 2-Chloronaphthalene	7.205	162	401390	23.615	ug/ml	94
48) 2-Nitroaniline	7.316	138	129369	28.804	ug/ml	93
49) 1,4-Dinitrobenzene	7.446	168	68409	31.051	ug/ml	84
50) 1,3-Dinitrobenzene	7.522	168	77473	30.329	ug/ml	87
51) Dimethyl phthalate	7.516	163	496005	23.990	ug/ml	98
52) Acenaphthylene	7.604	152	624802	24.900	ug/ml	95
53) 2,6-Dinitrotoluene	7.563	165	109328	28.271	ug/ml	91
54) 1,2-Dinitrobenzene	7.604	168	49511	33.374	ug/ml#	1
64) 3-Nitroaniline	7.716	138	120173	28.108	ug/ml	94
65) Acenaphthene	7.781	154	376895	23.629	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	68455	26.120	ug/ml#	83
67) Dibenzofuran	7.946	168	607351	23.103	ug/ml	96
68) 2,4-Dinitrotoluene	7.946	165	164108	29.918	ug/ml	88
69) 4-Nitrophenol	7.316	65	111882	27.007	ug/ml#	11
70) 2,3,5,6-Tetrachlorophenol	8.034	232	153668	28.517	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	150622	28.452	ug/ml	99
72) Diethyl phthalate	8.210	149	512861	24.110	ug/ml	95
73) Fluorene	8.281	166	495678	24.212	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	264737	23.729	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.310	138	131636	29.265	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.340	198	93202	25.514	ug/ml#	75
77)	NDPA/DPA	8.410	169	431193	24.486	ug/ml	92
78)	Azobenzene	8.446	77	463782	24.834	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	173402M3	24.260	ug/ml	
81)	Hexachlorobenzene	8.816	284	205275	22.857	ug/ml#	86
82)	Pentachlorophenol	9.010	266	137366	33.817	ug/ml	99
89)	Phenanthrene	9.204	178	754687	22.383	ug/ml	95
90)	Anthracene	9.251	178	773477	23.446	ug/ml	94
91)	Carbazole	9.416	167	720325	23.847	ug/ml	94
92)	Di-n-butylphthalate	9.799	149	849485	25.781	ug/ml	97
93)	Fluoranthene	10.357	202	913651	23.352	ug/ml	94
94)	Benzidine	10.510	184	605842	28.163	ug/ml	97
95)	Pyrene	10.575	202	963293	23.228	ug/ml	93
97)	Butyl benzyl phthalate	11.287	149	426248	29.236	ug/ml#	95
105)	Benzo(a)anthracene	11.822	228	1064604	23.410	ug/ml	92
106)	3,3'-Dichlorobenzidine	11.816	252	453219	27.360	ug/ml#	95
107)	Chrysene	11.857	228	965858	21.664	ug/ml	92
108)	Bis(2-ethylhexyl)phtha...	11.922	149	666575	29.477	ug/ml#	95
109)	Di-n-octylphthalate	12.604	149	1042242	30.075	ug/ml	99
110)	Benzo(b)fluoranthene	12.934	252	1029857	22.080	ug/ml	95
111)	Benzo(k)fluoranthene	12.963	252	1039846M3	24.425	ug/ml	
112)	Benzo(a)pyrene	13.251	252	980731	24.100	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.310	276	1154840M6	27.081	ug/mL	
115)	Dibenzo(a,h)anthracene	14.334	278	1057237	25.961	ug/ml#	92
116)	Benzo(ghi)perylene	14.581	276	999904	24.332	ug/ml	93

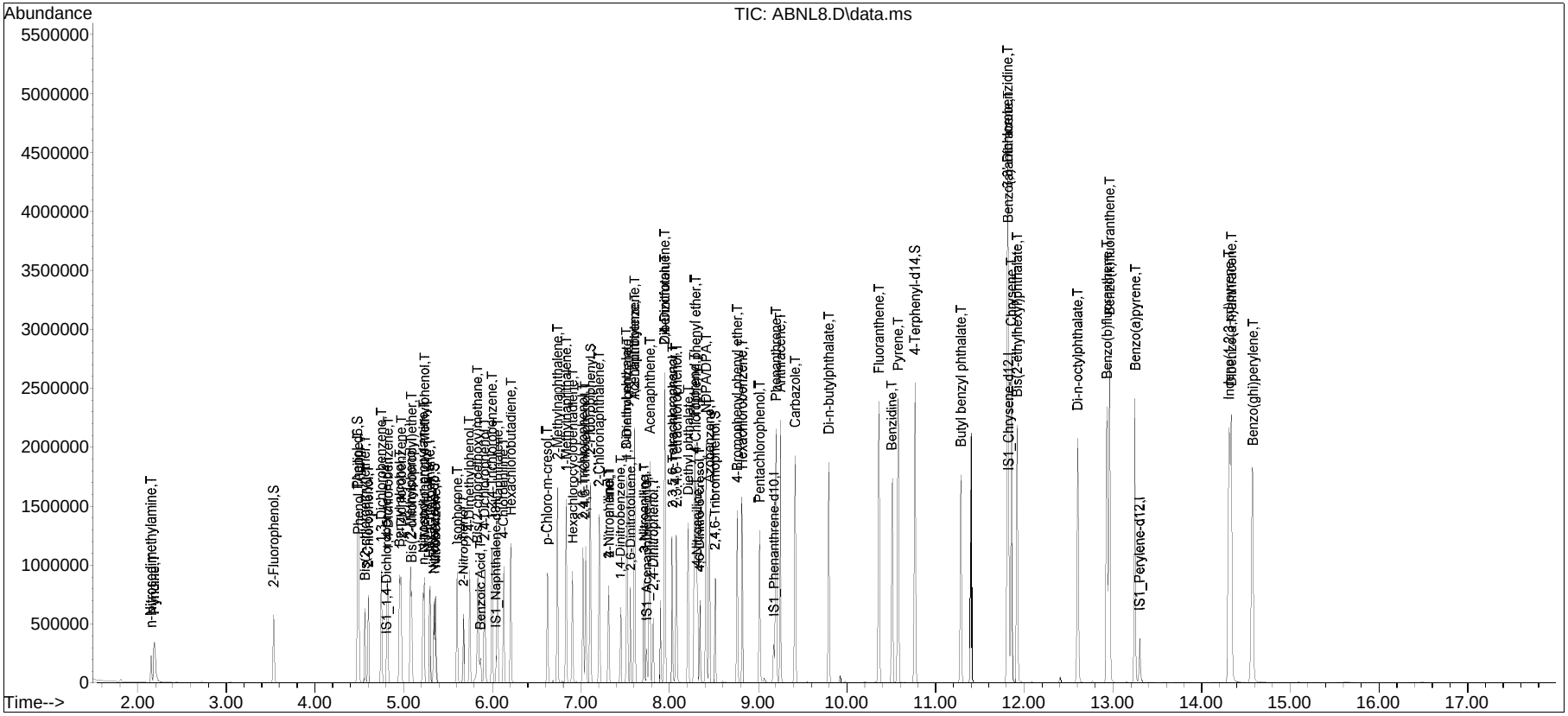
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

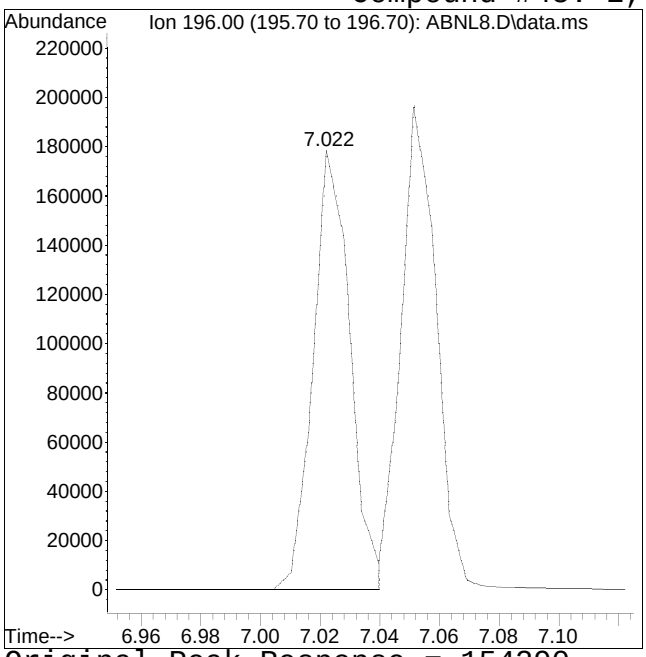
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

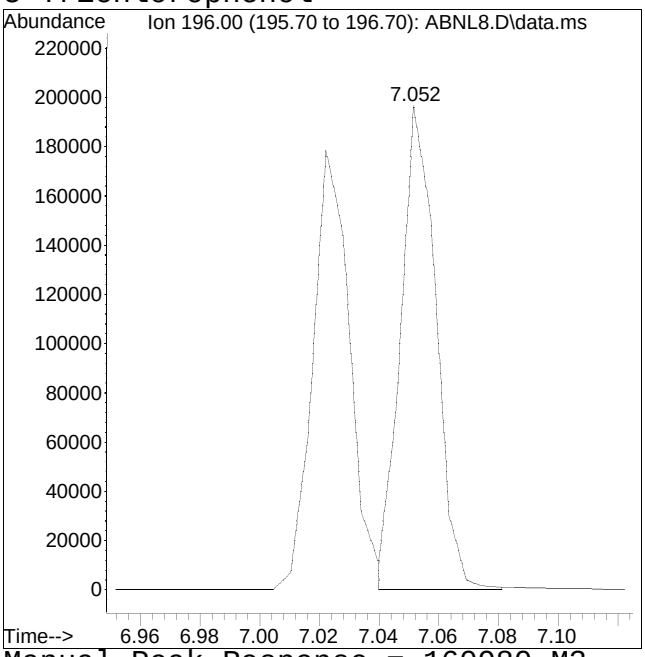


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





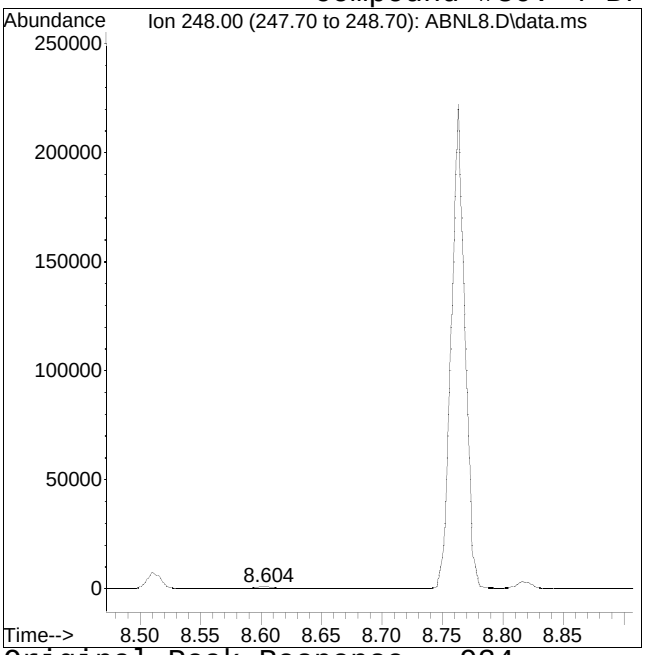
Original Peak Response = 154290 Manual Peak Response = 160980 M3

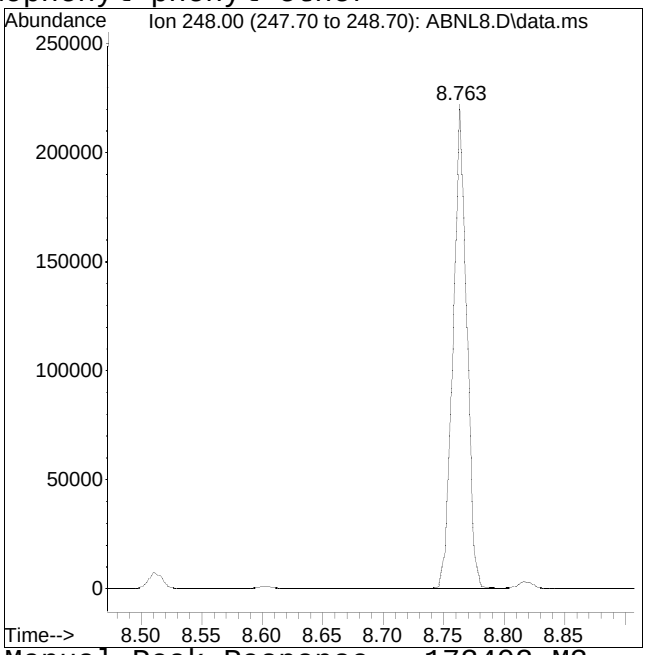
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #80: 4-Bromophenyl phenyl ether





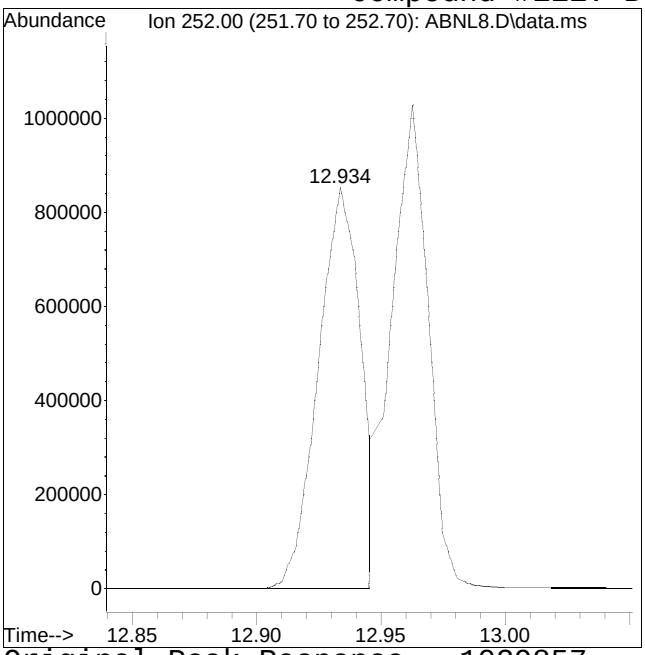
Original Peak Response = 934 Manual Peak Response = 173402 M3

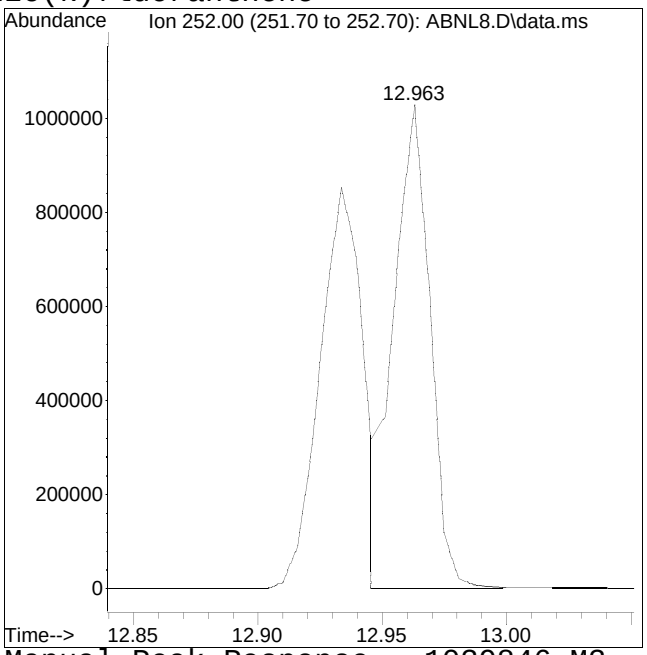
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



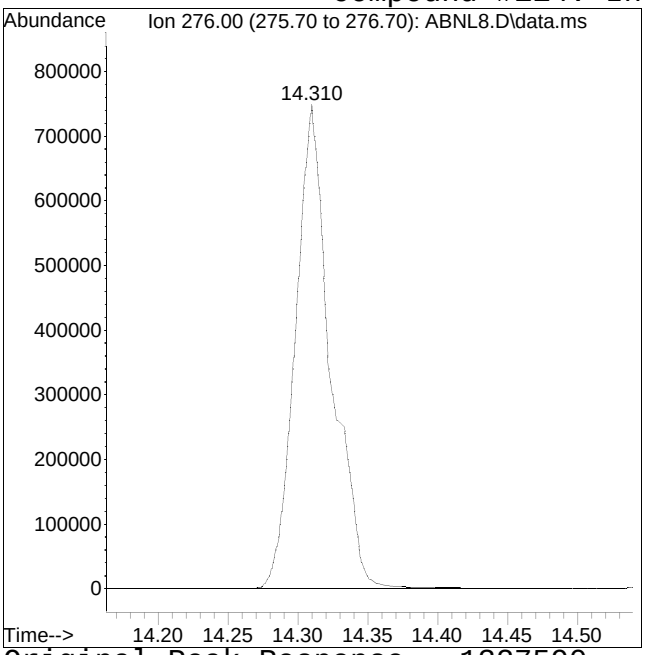


Original Peak Response = 1029857 Manual Peak Response = 1039846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

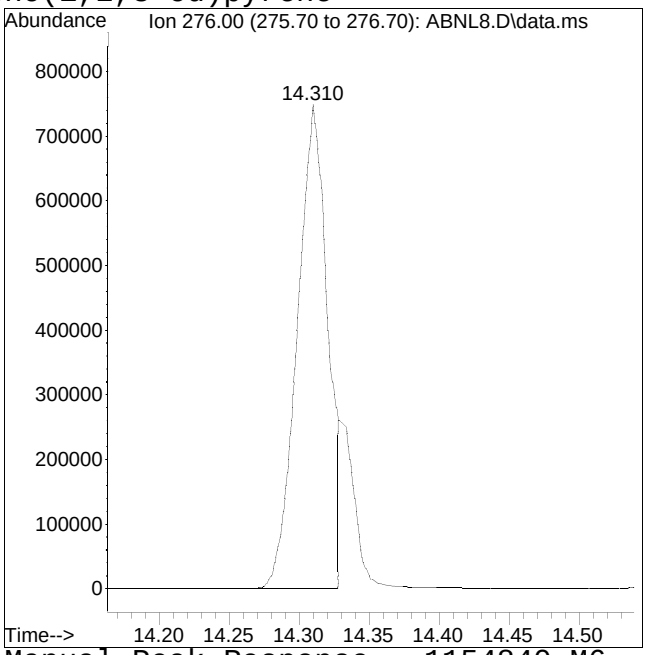
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1327590



Manual Peak Response = 1154840 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21476	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 100.99%		
35) IS1_Naphthalene-d8	6.040	136	80743	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.82%		
63) IS1_Acenaphthene-d10	7.746	164	50162	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 101.98%		
88) IS1_Phenanthrene-d10	9.175	188	105182	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.27%		
104) IS1_Chrysene-d12	11.828	240	116399	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 104.65%		
113) IS1_Perylene-d12	13.298	264	135461	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.09%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	59729	10.592 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.60%#		
7) Phenol-d6	4.481	99	75930	10.426 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 521.30%#		
19) Nitrobenzene-d5	5.346	82	72854	10.487 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1048.70%#		
46) 2-Fluorobiphenyl	7.110	172	175781	9.628 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 962.80%#		
79) 2,4,6-Tribromophenol	8.510	330	31976	10.808 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 540.40%#		
96) 4-Terphenyl-d14	10.757	244	269895	9.976 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 997.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	39574	11.217 ug/ml	97
3) Pyridine	2.205	79	65204	11.649 ug/ml	85
5) Aniline	4.487	93	99553	10.240 ug/ml#	50
6) 2-Chlorophenol	4.599	128	68421	10.190 ug/ml	96
8) Phenol	4.493	94	87347	10.317 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.564	93	62434	9.963 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	79579	9.826 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	81378	9.626 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	77634	9.801 ug/ml	96
13) Benzyl alcohol	4.952	79	54366	10.719 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	79023	9.981 ug/ml#	57

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	59138	10.426	ug/ml	98
16) Hexachloroethane	5.299	117	29872	9.977	ug/ml#	65
17) n-Nitrosodi-n-propylamine	5.216	70	47976	10.328	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.234	108	64683	10.472	ug/ml	96
20) Nitrobenzene	5.363	77	72400	10.458	ug/ml	99
21) Isophorone	5.599	82	129481	10.359	ug/ml	98
22) 2-Nitrophenol	5.675	139	32940	10.683	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	60962	10.311	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	83082	9.875	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	65466	10.577	ug/ml	95
26) 1,2,4-Trichlorobenzene	5.993	180	74135	9.458	ug/ml	95
36) Naphthalene	6.058	128	210448	9.942	ug/ml	99
37) Benzoic Acid	5.834	105	43865	9.322	ug/ml	99
38) 4-Chloroaniline	6.128	65	25347	10.656	ug/ml	91
39) Hexachlorobutadiene	6.210	225	48635	9.803	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	59753	10.691	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	141331	9.818	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	47724	9.639	ug/ml	97
43) Hexachlorocyclopentadiene	6.910	237	51016	10.075	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	54964	10.617	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	56138M3	10.599	ug/ml	
47) 2-Chloronaphthalene	7.205	162	148455	9.696	ug/ml	94
48) 2-Nitroaniline	7.310	138	44168	10.917	ug/ml	94
49) 1,4-Dinitrobenzene	7.446	168	22377	11.275	ug/ml	88
50) 1,3-Dinitrobenzene	7.516	168	25446	11.058	ug/ml	89
51) Dimethyl phthalate	7.510	163	176799	9.492	ug/ml	99
52) Acenaphthylene	7.605	152	227136	10.049	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	36452	10.464	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	16118	12.061	ug/ml#	1
64) 3-Nitroaniline	7.710	138	42491	11.340	ug/ml	94
65) Acenaphthene	7.775	154	135917	9.723	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	21119	9.878	ug/ml#	85
67) Dibenzofuran	7.946	168	222891	9.675	ug/ml	93
68) 2,4-Dinitrotoluene	7.946	165	52394	10.899	ug/ml	91
69) 4-Nitrophenol	7.310	65	38608	10.634	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	52121	11.037	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	8.075	232	50211	10.823	ug/ml	99
72) Diethyl phthalate	8.204	149	177146	9.502	ug/ml	97
73) Fluorene	8.275	166	174896	9.748	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	89679	9.172	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	45225	11.473	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	29082	9.234	ug/ml#	78
77)	NDPA/DPA	8.404	169	152382	9.874	ug/ml	95
78)	Azobenzene	8.440	77	163681	10.001	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	57922	9.247	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	69475	8.827	ug/ml#	86
82)	Pentachlorophenol	9.010	266	43211	12.138	ug/ml	99
89)	Phenanthrene	9.199	178	274753	9.875	ug/ml	98
90)	Anthracene	9.251	178	281146	10.328	ug/ml	98
91)	Carbazole	9.416	167	263327	10.564	ug/ml	97
92)	Di-n-butylphthalate	9.799	149	289191	10.636	ug/ml	99
93)	Fluoranthene	10.357	202	332906M3	10.311	ug/ml	
94)	Benzidine	10.504	184	209641	11.810	ug/ml#	97
95)	Pyrene	10.575	202	353575	10.332	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	129222	10.741	ug/ml	95
105)	Benzo(a)anthracene	11.816	228	383220	10.253	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.810	252	152179	11.178	ug/ml#	97
107)	Chrysene	11.851	228	363469	9.919	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.922	149	204221	10.988	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	334815	11.755	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	382689	9.983	ug/ml#	96
111)	Benzo(k)fluoranthene	12.957	252	400155M3	11.436	ug/ml	
112)	Benzo(a)pyrene	13.245	252	362257	10.831	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.304	276	393528M6	10.390	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	389820	10.777	ug/ml#	92
116)	Benzo(ghi)perylene	14.569	276	373879	10.243	ug/ml#	93

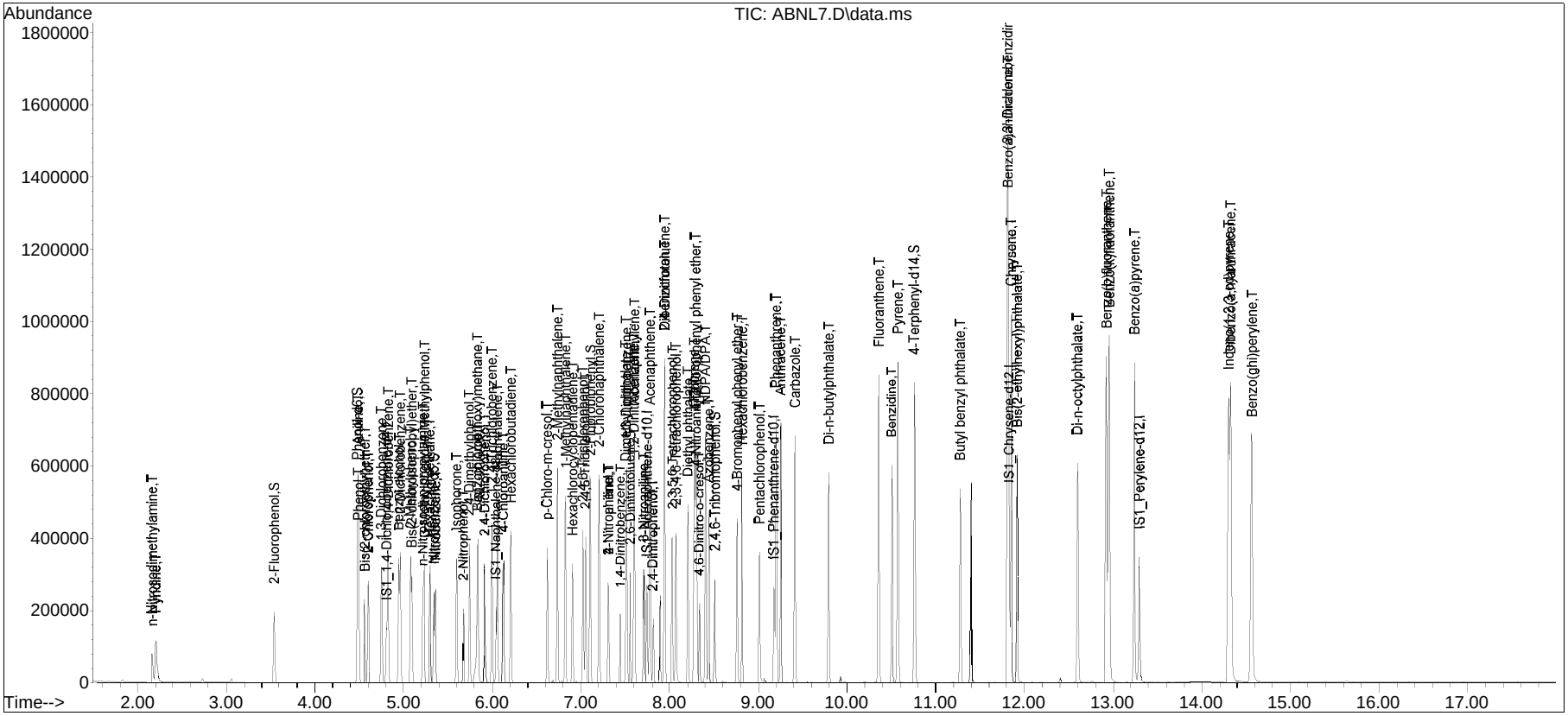
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

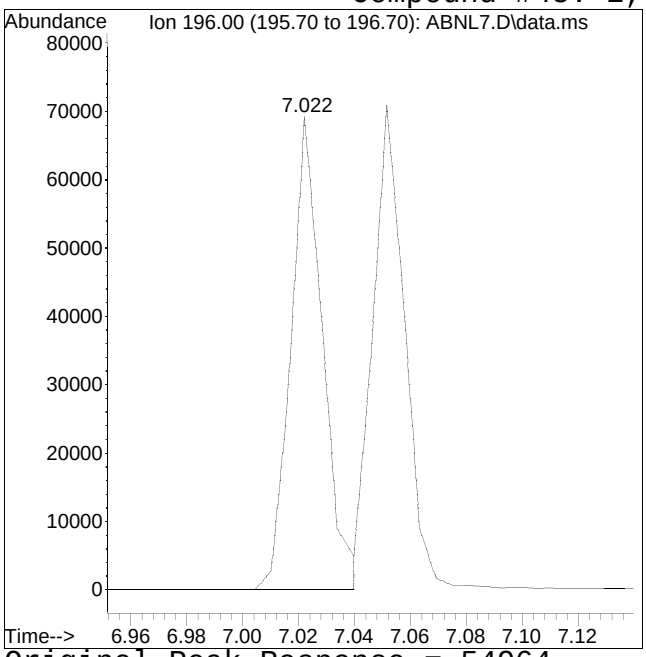
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

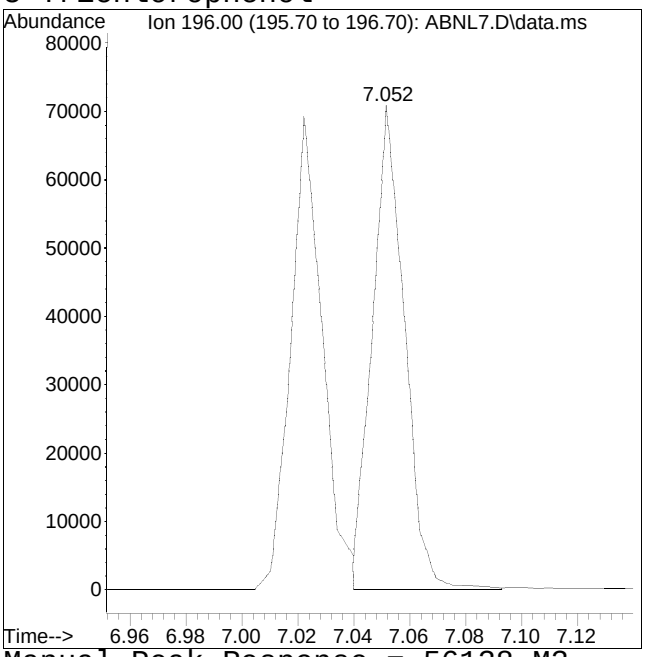


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





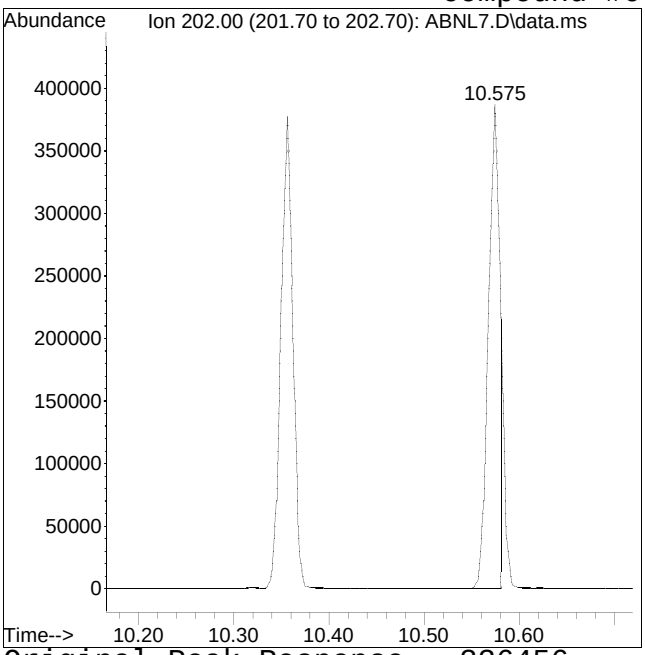
Original Peak Response = 54964 Manual Peak Response = 56138 M3

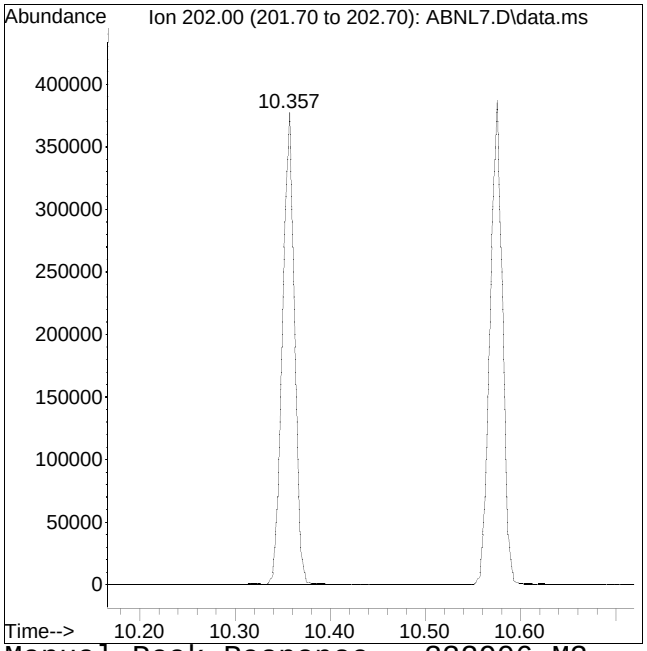
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene





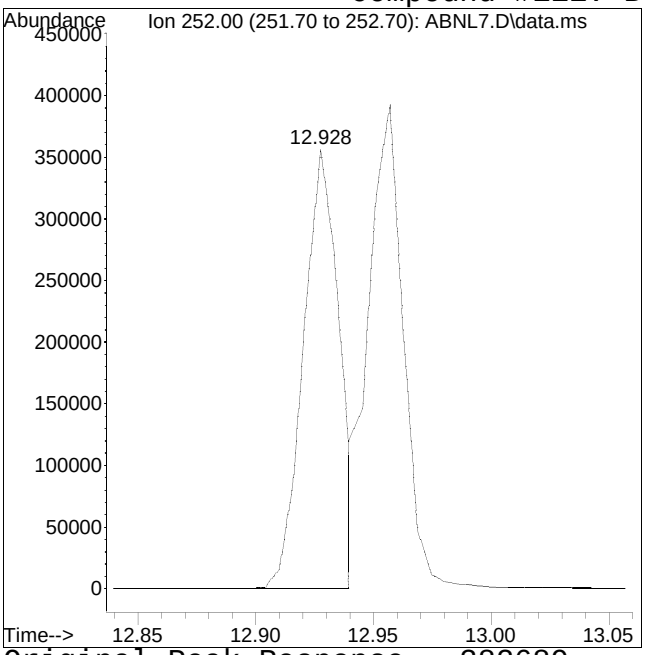
Original Peak Response = 336456 Manual Peak Response = 332906 M3

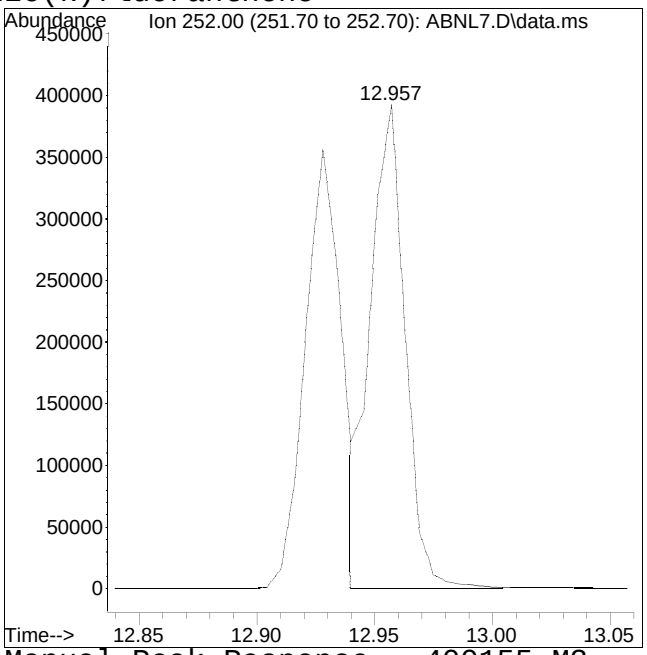
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



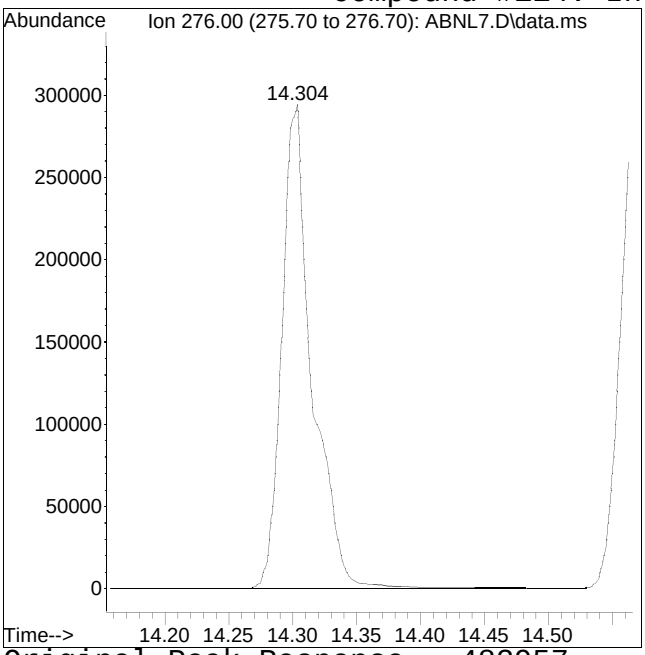


Original Peak Response = 382689 Manual Peak Response = 400155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

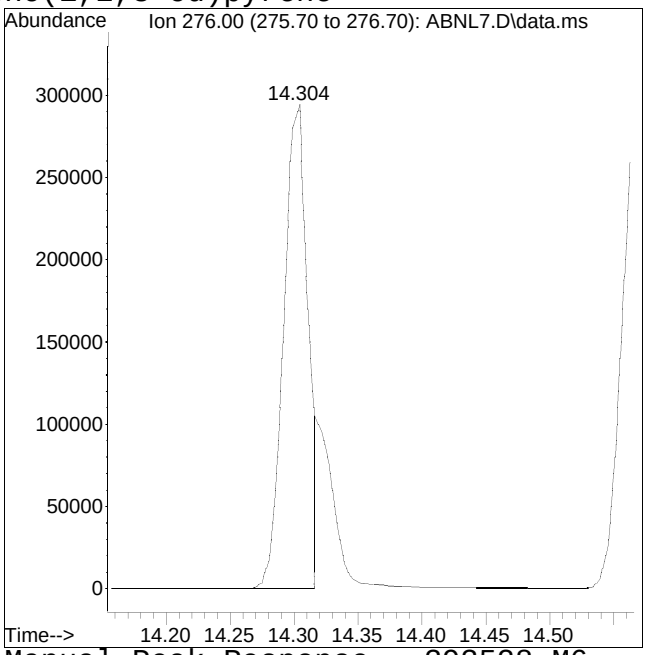
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 483957



Manual Peak Response = 393528 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21265	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 100.00%		
35) IS1_Naphthalene-d8	6.040	136	81706	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	7.746	164	49189	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	9.175	188	103858	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 100.00%		
104) IS1_Chrysene-d12	11.822	240	111228	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 100.00%		
113) IS1_Perylene-d12	13.298	264	131396	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	28423	5.090 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.50%#		
7) Phenol-d6	4.481	99	36360	5.042 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.10%#		
19) Nitrobenzene-d5	5.346	82	34266	4.981 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 498.10%#		
46) 2-Fluorobiphenyl	7.104	172	83703	4.531 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.10%#		
79) 2,4,6-Tribromophenol	8.510	330	14492	4.995 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.75%#		
96) 4-Terphenyl-d14	10.757	244	124497	4.661 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 466.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	18995	5.437 ug/ml	95
3) Pyridine	2.211	79	31564	5.695 ug/ml	85
5) Aniline	4.487	93	46800	4.862 ug/ml#	49
6) 2-Chlorophenol	4.599	128	32542	4.894 ug/ml	96
8) Phenol	4.493	94	41620	4.965 ug/ml#	47
9) Bis(2-chloroethyl)ether	4.563	93	29770	4.798 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	39529	4.929 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	39493	4.718 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	37964	4.840 ug/ml	96
13) Benzyl alcohol	4.952	79	25194	5.017 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	37919	4.837 ug/ml#	59

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	27940	4.975	ug/ml	98
16) Hexachloroethane	5.299	117	14415	4.862	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.216	70	22432	4.877	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.234	108	30998	5.068	ug/ml	98
20) Nitrobenzene	5.363	77	34247	4.996	ug/ml	97
21) Isophorone	5.599	82	60249	4.868	ug/ml	99
22) 2-Nitrophenol	5.675	139	15267	5.001	ug/ml	95
23) 2,4-Dimethylphenol	5.746	107	26689	4.559	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	38883	4.667	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29856	4.872	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	35413	4.563	ug/ml	96
36) Naphthalene	6.057	128	101806	4.753	ug/ml	99
37) Benzoic Acid	5.816	105	16602	3.620	ug/ml	92
38) 4-Chloroaniline	6.122	65	11970	4.973	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23051	4.592	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	27572	4.875	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	66348	4.555	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	22232	4.437	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	23071	4.502	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	25423	4.853	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	26339	4.914	ug/ml	99
47) 2-Chloronaphthalene	7.204	162	71163	4.593	ug/ml	94
48) 2-Nitroaniline	7.310	138	19492	4.761	ug/ml	95
49) 1,4-Dinitrobenzene	7.440	168	9710	4.835	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	11279	4.844	ug/ml	90
51) Dimethyl phthalate	7.510	163	84473	4.482	ug/ml	100
52) Acenaphthylene	7.604	152	108184	4.730	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	16668	4.728	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	7184	5.312	ug/ml#	1
64) 3-Nitroaniline	7.710	138	18953	5.158	ug/ml	94
65) Acenaphthene	7.775	154	63705	4.647	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	9041	4.592	ug/ml#	83
67) Dibenzofuran	7.946	168	106110	4.697	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	23907	5.072	ug/ml	92
69) 4-Nitrophenol	7.310	65	17559	4.932	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	23788	5.137	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	22430	4.930	ug/ml	98
72) Diethyl phthalate	8.198	149	82467	4.511	ug/ml	95
73) Fluorene	8.275	166	82653	4.698	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.293	204	42516	4.434	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	20520	5.308	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	12548	4.193	ug/ml#	78
77)	NDPA/DPA	8.404	169	70812	4.679	ug/ml	95
78)	Azobenzene	8.440	77	77468	4.827	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	27083	4.409	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	32534	4.215	ug/ml#	86
82)	Pentachlorophenol	9.010	266	18544	5.312	ug/ml	99
89)	Phenanthrene	9.198	178	131334	4.781	ug/ml	99
90)	Anthracene	9.251	178	129313	4.811	ug/ml	98
91)	Carbazole	9.416	167	123110	5.002	ug/ml	98
92)	Di-n-butylphthalate	9.798	149	127369	4.744	ug/ml	99
93)	Fluoranthene	10.357	202	152966M3	4.798	ug/ml	
94)	Benzidine	10.504	184	90848	5.183	ug/ml#	97
95)	Pyrene	10.575	202	167321	4.952	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	54658	4.601	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	172947	4.842	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	64802	4.981	ug/ml#	96
107)	Chrysene	11.851	228	167510	4.784	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	84757	4.772	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	137975	5.069	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	180541	4.929	ug/ml#	96
111)	Benzo(k)fluoranthene	12.951	252	177737M3	5.316	ug/ml	
112)	Benzo(a)pyrene	13.239	252	163243	5.108	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	187791M6	5.111	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	177411	5.057	ug/ml#	92
116)	Benzo(ghi)perylene	14.563	276	174444	4.927	ug/ml#	93

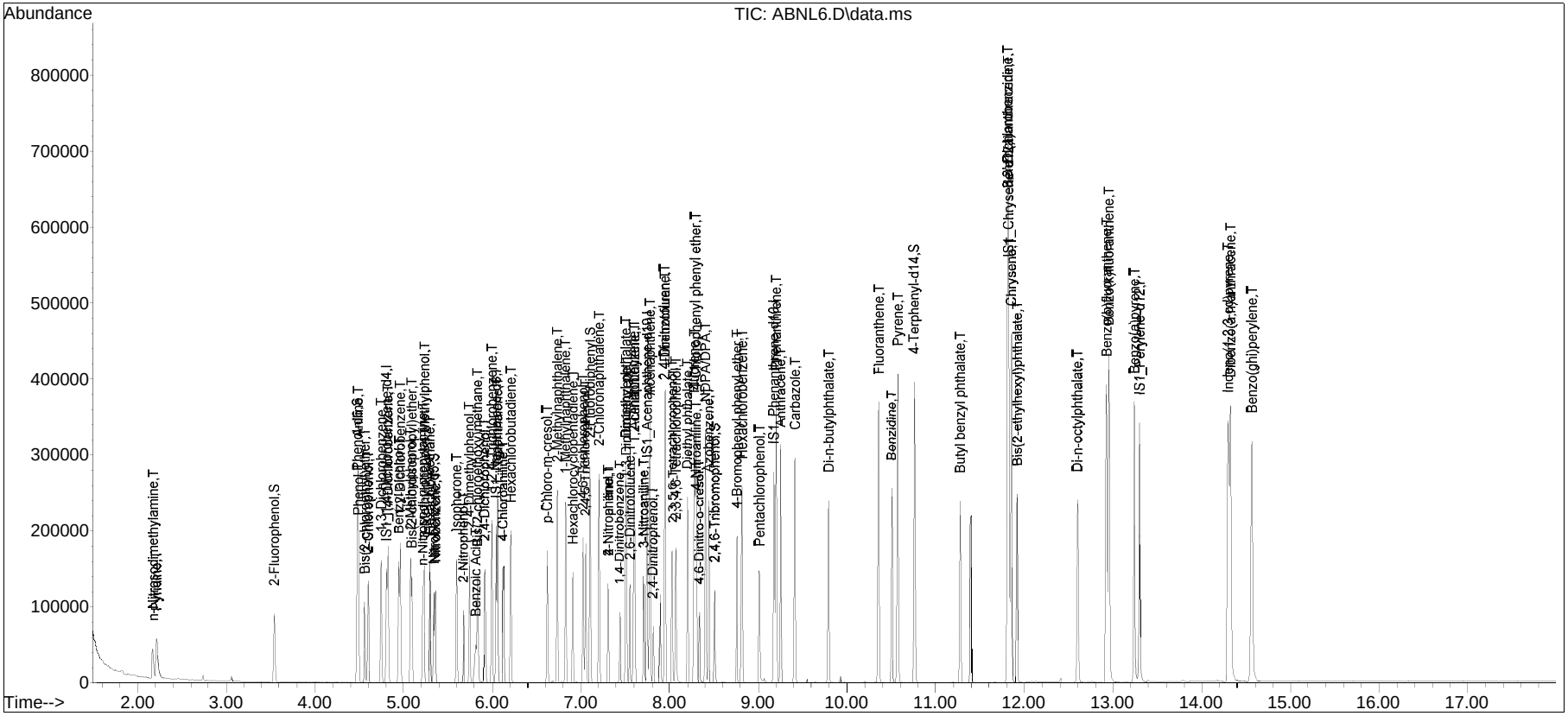
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

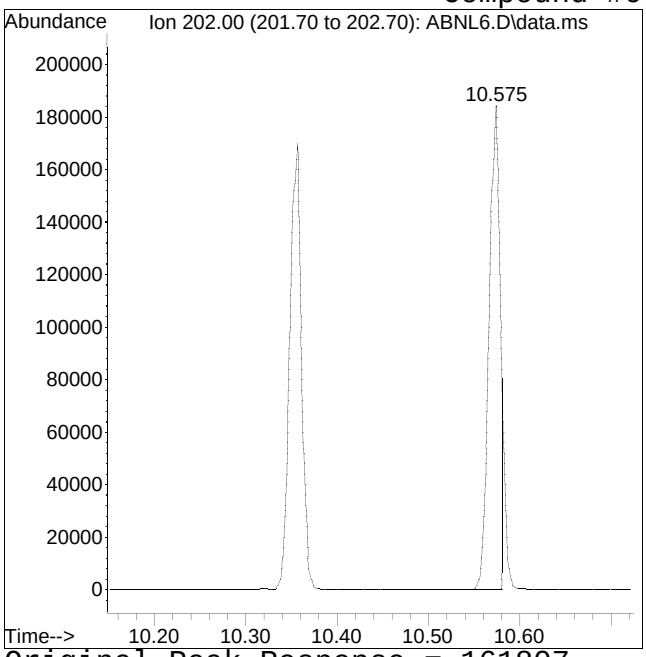
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

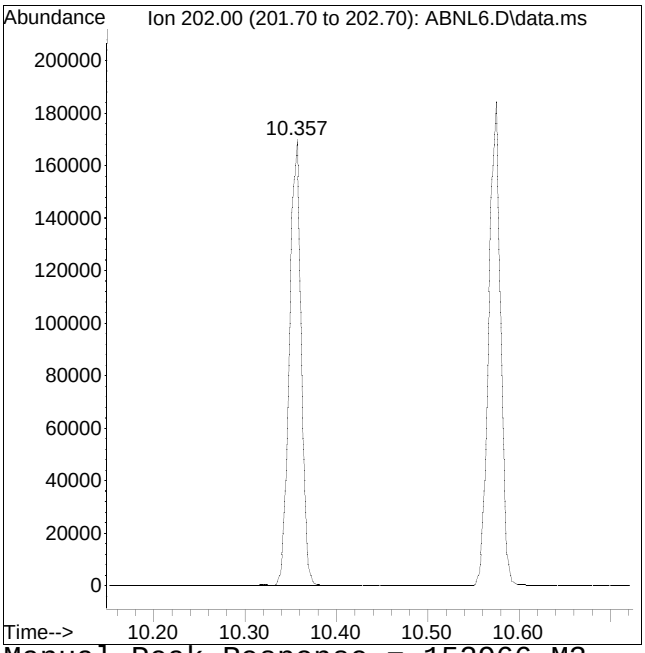


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



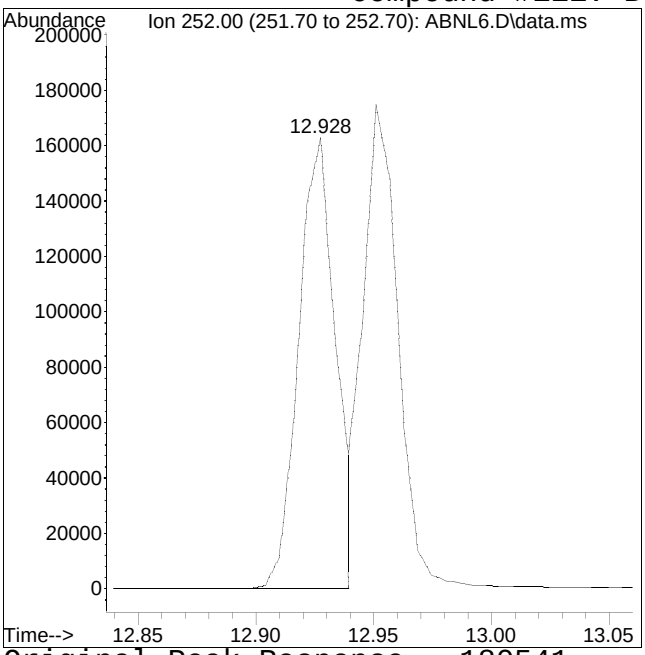


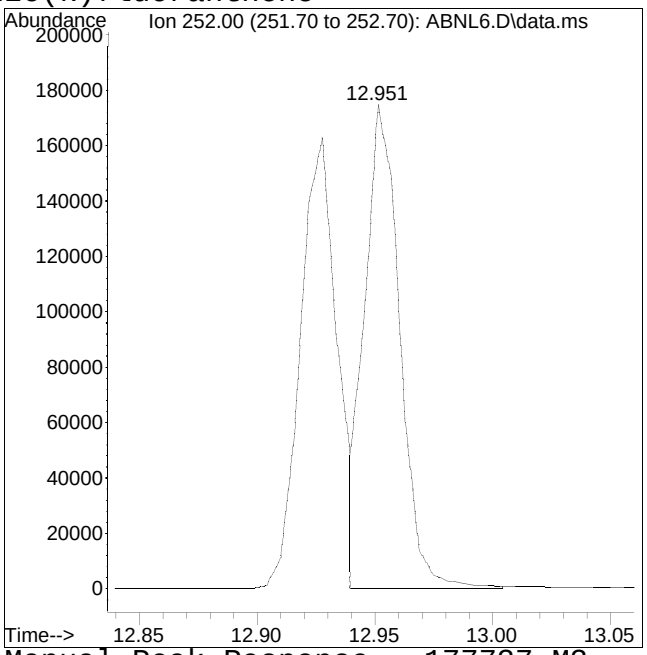
Original Peak Response = 161807 Manual Peak Response = 152966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



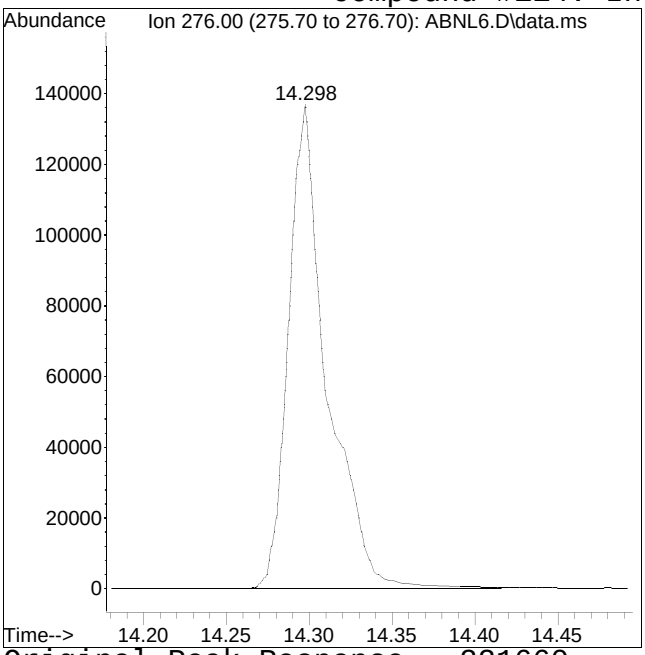


Original Peak Response = 180541 Manual Peak Response = 177737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

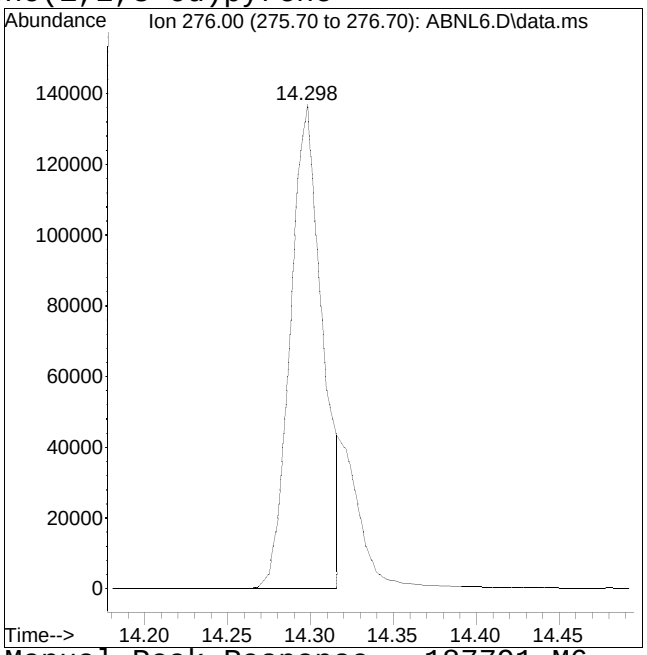
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 221660



Manual Peak Response = 187791 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	22768	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 107.07%		
35) IS1_Naphthalene-d8	6.040	136	89068	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.01%		
63) IS1_Acenaphthene-d10	7.746	164	57600	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 117.10%		
88) IS1_Phenanthrene-d10	9.175	188	128913	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.12%		
104) IS1_Chrysene-d12	11.822	240	140560	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 126.37%		
113) IS1_Perylene-d12	13.298	264	160405	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 122.08%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	14512	2.427 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.35%#		
7) Phenol-d6	4.475	99	18344	2.376 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 118.80%#		
19) Nitrobenzene-d5	5.346	82	17874	2.427 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 242.70%#		
46) 2-Fluorobiphenyl	7.104	172	49719	2.469 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 246.90%#		
79) 2,4,6-Tribromophenol	8.510	330	8972	2.641 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 132.05%#		
96) 4-Terphenyl-d14	10.757	244	84283	2.542 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 254.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	9366	2.504 ug/ml#	90
3) Pyridine	2.205	79	14518	2.446 ug/ml	83
5) Aniline	4.487	93	24945	2.420 ug/ml#	51
6) 2-Chlorophenol	4.599	128	16905	2.375 ug/ml	95
8) Phenol	4.487	94	21723	2.420 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.563	93	16266	2.448 ug/ml	96
10) 1,3-Dichlorobenzene	4.746	146	20468	2.384 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	21148	2.360 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	20265	2.413 ug/ml	97
13) Benzyl alcohol	4.952	79	13478	2.507 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	21443	2.555 ug/ml#	62

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	14305	2.379	ug/ml	96
16) Hexachloroethane	5.299	117	7327	2.308	ug/ml#	62
17) n-Nitrosodi-n-propylamine	5.216	70	12281	2.494	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.234	108	15964	2.438	ug/ml	97
20) Nitrobenzene	5.363	77	18050	2.459	ug/ml	97
21) Isophorone	5.599	82	33596	2.535	ug/ml	98
22) 2-Nitrophenol	5.675	139	8162	2.497	ug/ml	93
23) 2,4-Dimethylphenol	5.746	107	15804	2.521	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	22151	2.483	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	16167	2.464	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.993	180	19613	2.360	ug/ml	95
36) Naphthalene	6.057	128	55949	2.396	ug/ml	99
37) Benzoic Acid	5.805	105	7164	1.561	ug/ml	98
38) 4-Chloroaniline	6.122	65	6841	2.607	ug/ml	98
39) Hexachlorobutadiene	6.210	225	12562	2.295	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	15516	2.517	ug/ml	97
41) 2-Methylnaphthalene	6.740	142	37292	2.348	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	12837	2.350	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	13409	2.401	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	14191	2.485	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	14289M3	2.446	ug/ml	
47) 2-Chloronaphthalene	7.204	162	41100	2.433	ug/ml	94
48) 2-Nitroaniline	7.310	138	10733	2.405	ug/ml	94
49) 1,4-Dinitrobenzene	7.440	168	5423	2.477	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	6188	2.438	ug/ml	95
51) Dimethyl phthalate	7.510	163	51429	2.503	ug/ml	99
52) Acenaphthylene	7.604	152	63219	2.535	ug/ml	99
53) 2,6-Dinitrotoluene	7.551	165	9849	2.563	ug/ml	95
54) 1,2-Dinitrobenzene	7.599	168	4033	2.736	ug/ml#	1
64) 3-Nitroaniline	7.710	138	10758	2.500	ug/ml	97
65) Acenaphthene	7.775	154	37917	2.362	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	4775	2.291	ug/ml#	83
67) Dibenzofuran	7.946	168	63041	2.383	ug/ml	94
68) 2,4-Dinitrotoluene	7.940	165	13917	2.521	ug/ml	93
69) 4-Nitrophenol	7.310	65	9511	2.281	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	13736	2.533	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	8.075	232	14002	2.628	ug/ml	98
72) Diethyl phthalate	8.198	149	53794	2.513	ug/ml	97
73) Fluorene	8.275	166	49869	2.421	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	26566	2.366	ug/ml#	82

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	11886	2.626	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	7380	2.221	ug/ml#	76
77)	NDPA/DPA	8.404	169	43143	2.435	ug/ml	94
78)	Azobenzene	8.440	77	46861	2.493	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.763	248	16949	2.356	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	21027	2.327	ug/ml#	84
82)	Pentachlorophenol	9.010	266	10924	2.672	ug/ml	98
89)	Phenanthrene	9.198	178	81747	2.397	ug/ml	98
90)	Anthracene	9.245	178	80680	2.418	ug/ml	99
91)	Carbazole	9.410	167	75932	2.486	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	86882	2.607	ug/ml	99
93)	Fluoranthene	10.357	202	97797M3	2.472	ug/ml	
94)	Benzidine	10.504	184	56239	2.585	ug/ml#	98
95)	Pyrene	10.575	202	105090	2.506	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	36400	2.469	ug/ml	94
105)	Benzo(a)anthracene	11.816	228	111753	2.476	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	40371	2.456	ug/ml#	96
107)	Chrysene	11.851	228	108259	2.447	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	58065	2.587	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	89425	2.600	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	112721	2.435	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	107892M3	2.553	ug/ml	
112)	Benzo(a)pyrene	13.239	252	98942	2.450	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	100988M6	2.252	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	102782	2.400	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	101454	2.347	ug/ml#	93

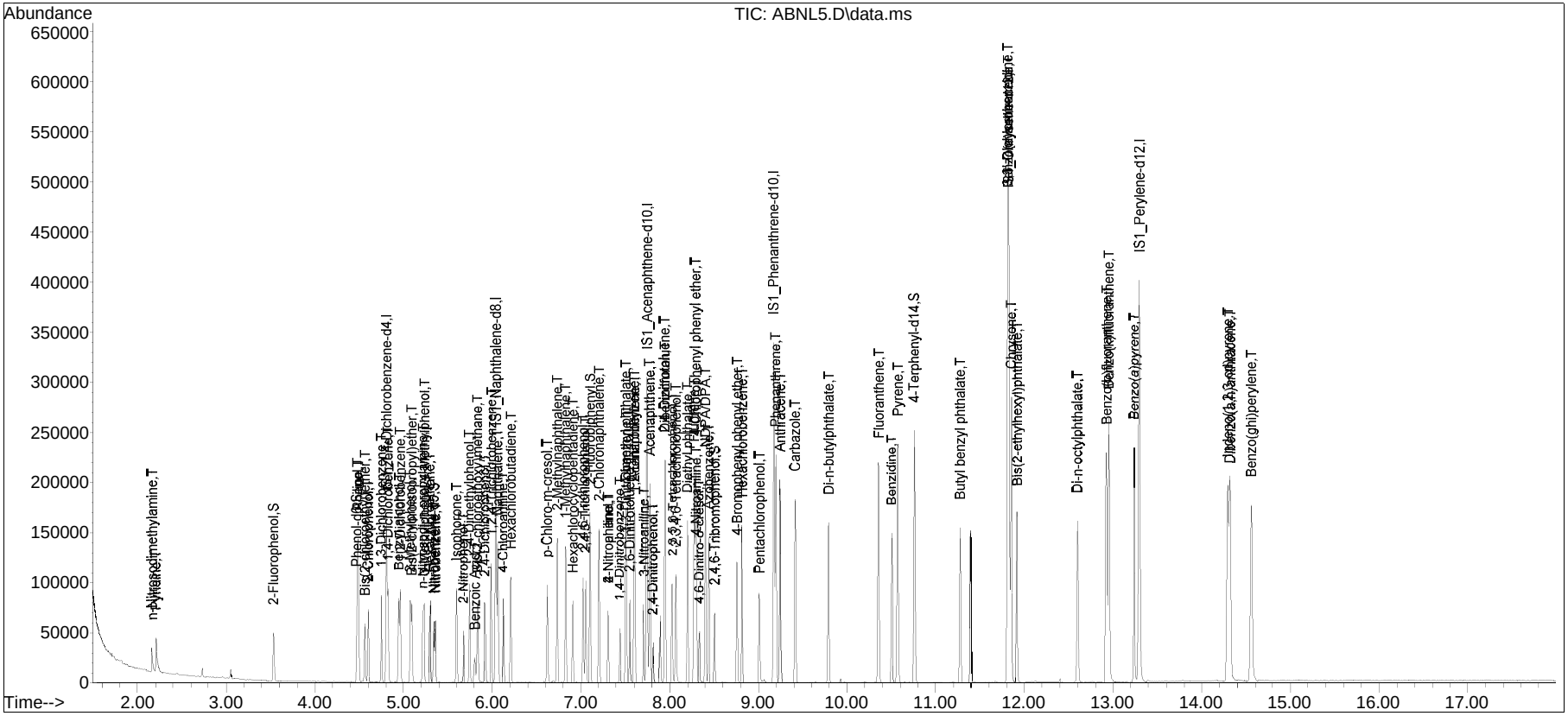
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

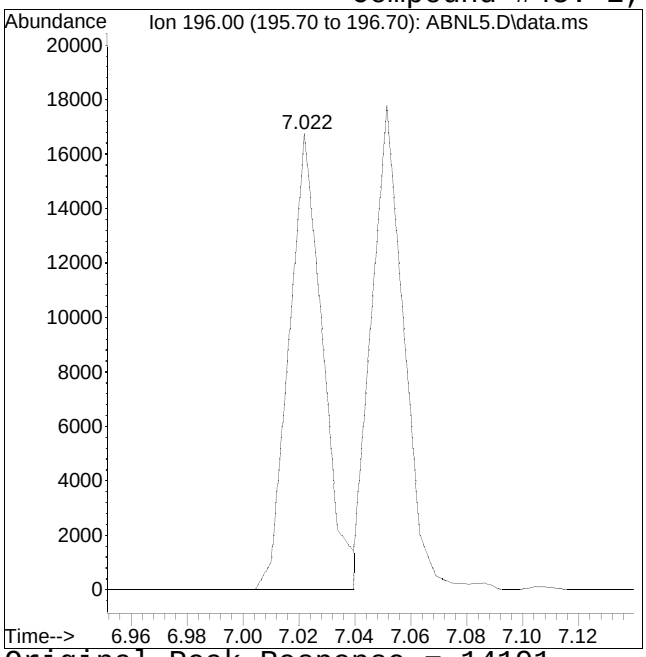
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

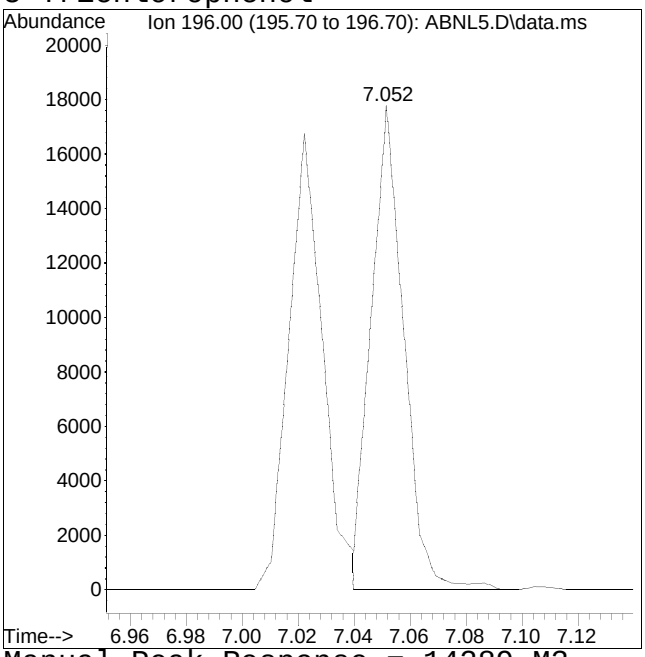


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





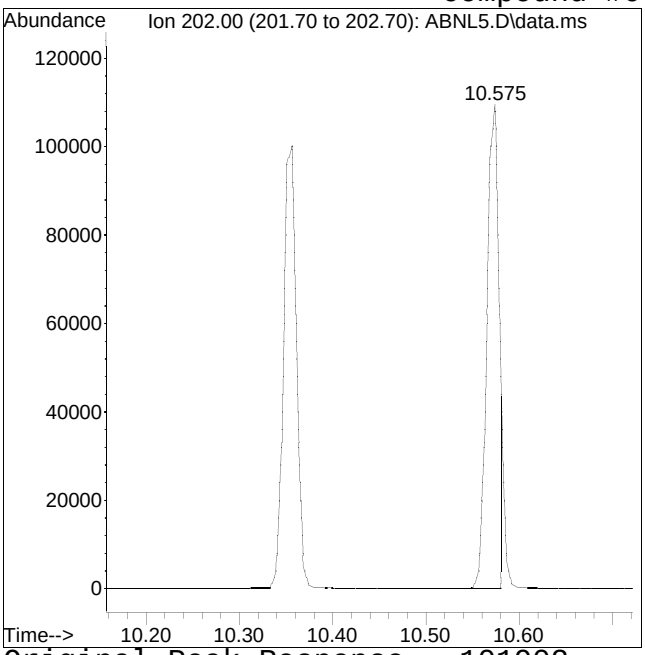
Original Peak Response = 14191 Manual Peak Response = 14289 M3

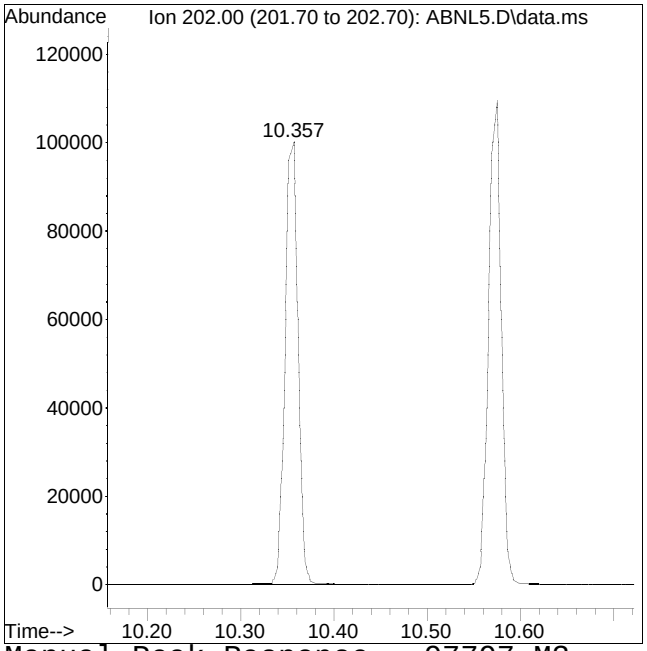
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



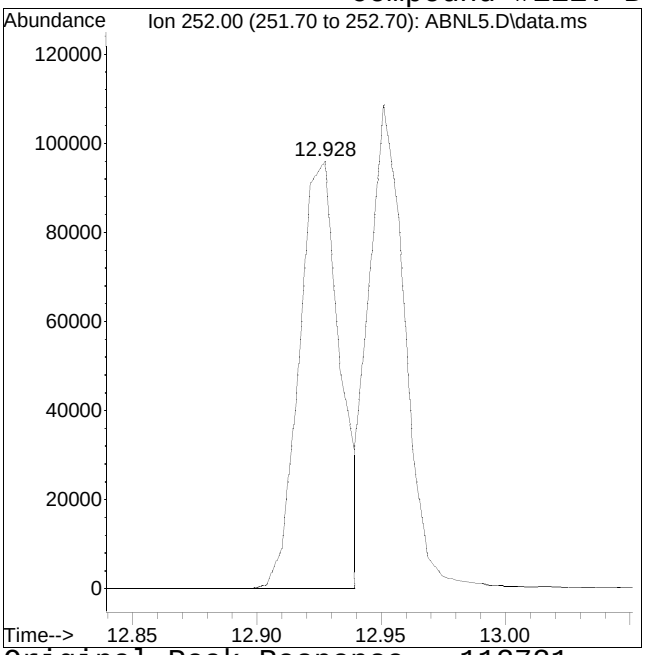


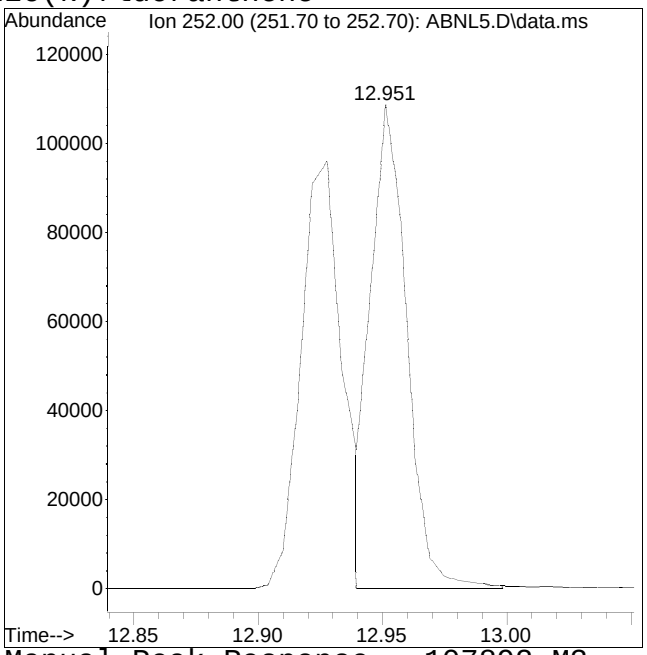
Original Peak Response = 101902 Manual Peak Response = 97797 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene





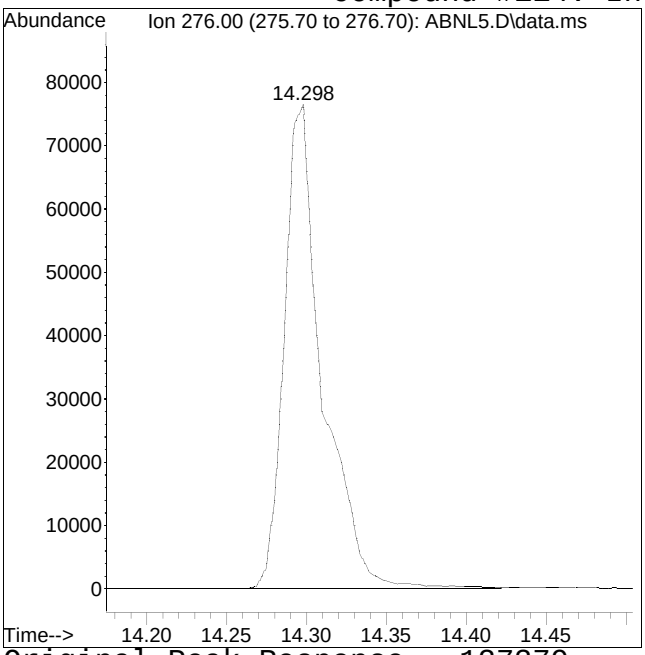
Original Peak Response = 112721 Manual Peak Response = 107892 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

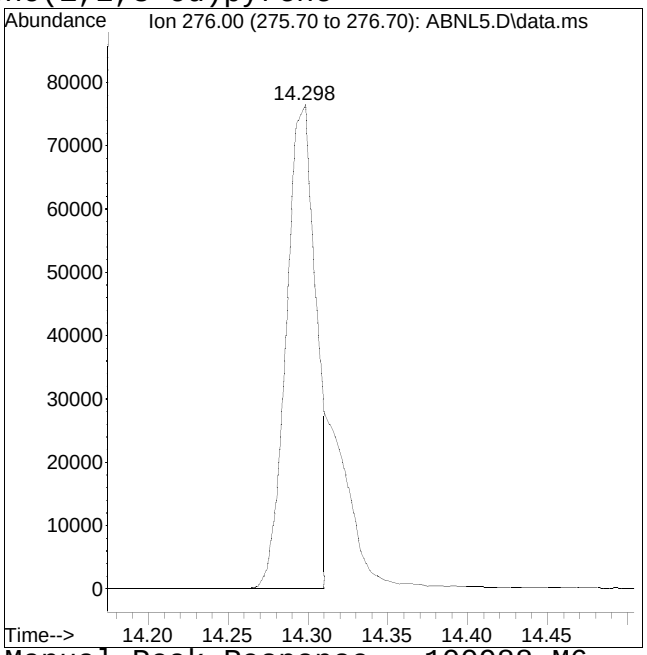
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 127379



Manual Peak Response = 100988 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21971	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 103.32%		
35) IS1_Naphthalene-d8	6.040	136	81871	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.20%		
63) IS1_Acenaphthene-d10	7.746	164	51003	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 103.69%		
88) IS1_Phenanthrene-d10	9.175	188	114527	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 110.27%		
104) IS1_Chrysene-d12	11.822	240	118727	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 106.74%		
113) IS1_Perylene-d12	13.298	264	135825	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	5831	1.011 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.55%		
7) Phenol-d6	4.475	99	7170	0.962 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.10%		
19) Nitrobenzene-d5	5.346	82	6892	0.970 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.00%		
46) 2-Fluorobiphenyl	7.105	172	19055	1.029 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.90%		
79) 2,4,6-Tribromophenol	8.510	330	3052	1.015 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.75%		
96) 4-Terphenyl-d14	10.757	244	30038	1.020 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.170	74	3686	1.021 ug/ml#	93
3) Pyridine	2.223	79	5843	1.020 ug/ml	86
5) Aniline	4.487	93	10129	1.018 ug/ml#	57
6) 2-Chlorophenol	4.599	128	6816	0.992 ug/ml	91
8) Phenol	4.487	94	8446	0.975 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	6320	0.986 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	8338	1.006 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	8437	0.975 ug/ml	95
12) 1,2-Dichlorobenzene	4.969	146	7964	0.983 ug/ml	96
13) Benzyl alcohol	4.952	79	5260	1.014 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.093	45	7818	0.965 ug/ml#	54

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	5788	0.997	ug/ml	97
16) Hexachloroethane	5.299	117	3236	1.056	ug/ml#	68
17) n-Nitrosodi-n-propylamine	5.216	70	4669	0.982	ug/ml#	86
18) 3-Methylphenol/4-Methy...	5.234	108	6209	0.983	ug/ml	97
20) Nitrobenzene	5.364	77	6860	0.969	ug/ml	97
21) Isophorone	5.599	82	12488	0.977	ug/ml	98
22) 2-Nitrophenol	5.675	139	2906	0.921	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	6147	1.016	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.834	93	8312	0.966	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	6110	0.965	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	8116	1.012	ug/ml#	95
36) Naphthalene	6.058	128	22245	1.036	ug/ml	98
37) Benzoic Acid	5.799	105	1481	0.516	ug/ml#	76
38) 4-Chloroaniline	6.122	65	2368	0.982	ug/ml	83
39) Hexachlorobutadiene	6.211	225	5202	1.034	ug/ml	100
40) p-Chloro-m-cresol	6.616	107	5573	0.983	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	15181	1.040	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	4843	0.965	ug/ml	93
43) Hexachlorocyclopentadiene	6.910	237	5175	1.008	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	5165	0.984	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	5154M3	0.960	ug/ml	
47) 2-Chloronaphthalene	7.205	162	15791	1.017	ug/ml	93
48) 2-Nitroaniline	7.310	138	3812	0.929	ug/ml	96
49) 1,4-Dinitrobenzene	7.440	168	1908	0.948	ug/ml	93
50) 1,3-Dinitrobenzene	7.516	168	2180	0.934	ug/ml	97
51) Dimethyl phthalate	7.510	163	19090	1.011	ug/ml	100
52) Acenaphthylene	7.605	152	22822	0.996	ug/ml	98
53) 2,6-Dinitrotoluene	7.552	165	3378	0.956	ug/ml	93
54) 1,2-Dinitrobenzene	7.599	168	1385	1.022	ug/ml#	1
64) 3-Nitroaniline	7.710	138	3743	0.982	ug/ml#	91
65) Acenaphthene	7.775	154	14322	1.008	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	1211	0.928	ug/ml	90
67) Dibenzofuran	7.946	168	24795	1.058	ug/ml	90
68) 2,4-Dinitrotoluene	7.940	165	4660	0.953	ug/ml	96
69) 4-Nitrophenol	7.310	65	3499	0.948	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	4594	0.957	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	4589	0.973	ug/ml	96
72) Diethyl phthalate	8.199	149	19050	1.005	ug/ml	95
73) Fluorene	8.275	166	18140	0.994	ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.293	204	10082	1.014	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	4142	1.033	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	2313	0.936	ug/ml#	72
77)	NDPA/DPA	8.405	169	16167	1.030	ug/ml	96
78)	Azobenzene	8.440	77	17038	1.024	ug/ml	92
80)	4-Bromophenyl phenyl e...	8.763	248	6271	0.985	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	8157	1.019	ug/ml#	86
82)	Pentachlorophenol	9.005	266	3465	0.957	ug/ml	98
89)	Phenanthrene	9.199	178	31199	1.030	ug/ml	98
90)	Anthracene	9.246	178	29870	1.008	ug/ml	99
91)	Carbazole	9.410	167	27149	1.000	ug/ml	98
92)	Di-n-butylphthalate	9.793	149	30017	1.014	ug/ml	99
93)	Fluoranthene	10.351	202	35822M3	1.019	ug/ml	
94)	Benzidine	10.504	184	18506	0.957	ug/ml#	96
95)	Pyrene	10.569	202	37816	1.015	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	11835	0.903	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	38609	1.013	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.810	252	13078	0.942	ug/ml#	96
107)	Chrysene	11.851	228	39448	1.055	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.916	149	17903	0.944	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	26346	0.907	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	41187	1.053	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	35681M3	1.000	ug/ml	
112)	Benzo(a)pyrene	13.240	252	34861	1.022	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	35897M6	0.945	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	37295	1.028	ug/ml#	92
116)	Benzo(ghi)perylene	14.557	276	36653	1.002	ug/ml#	92

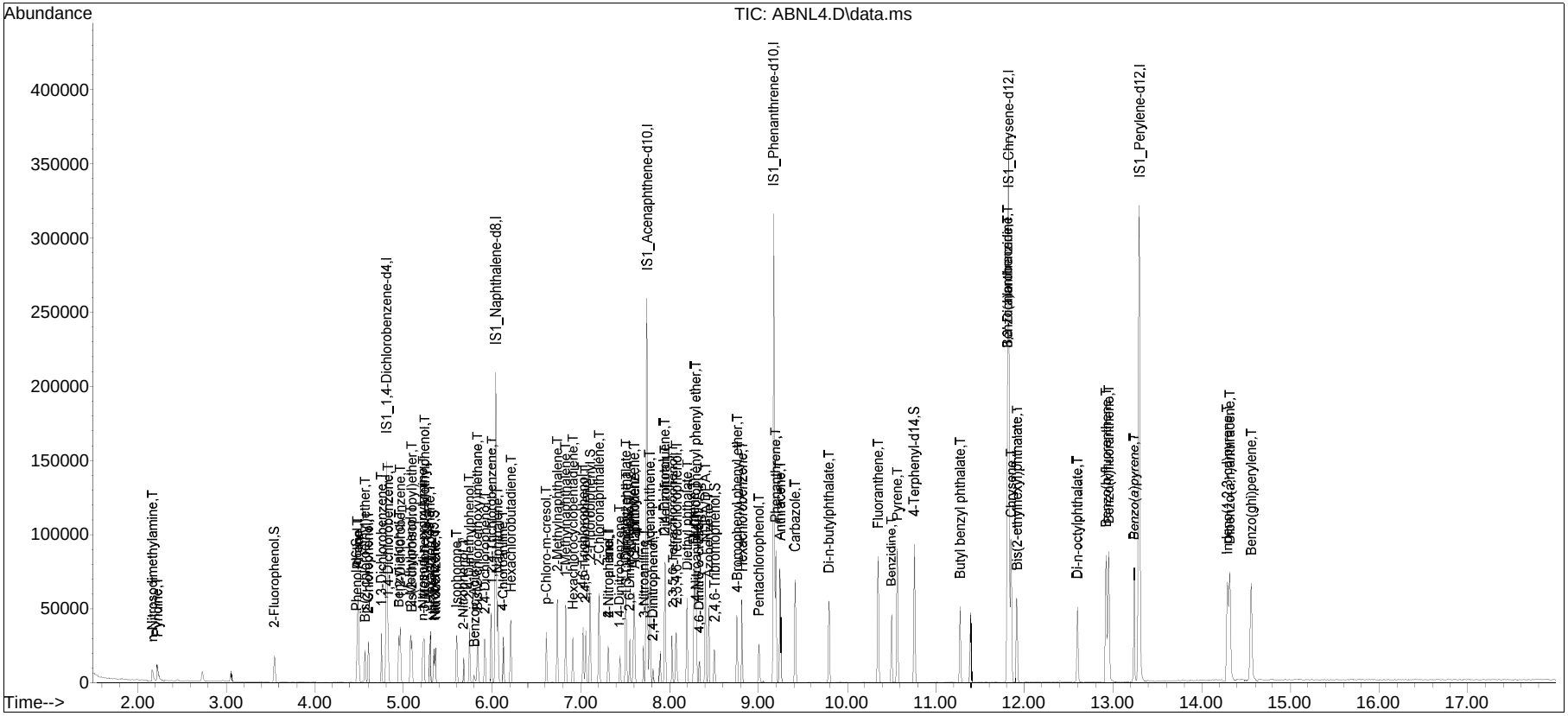
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

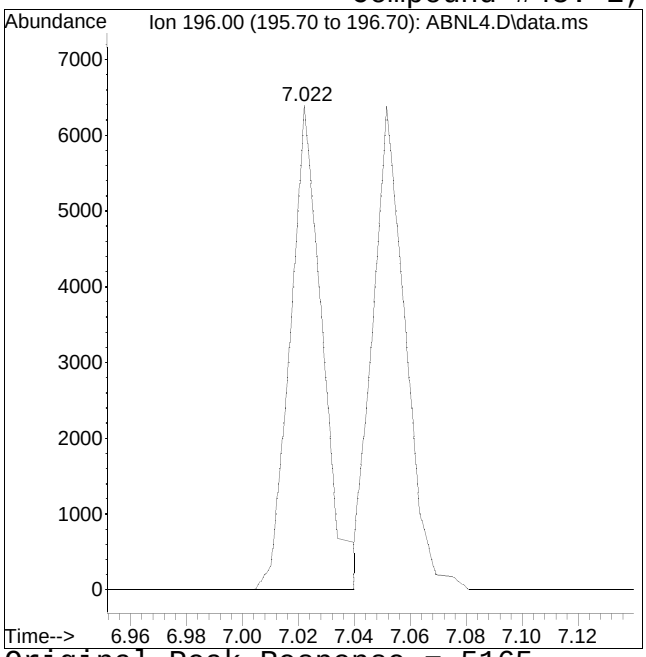
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

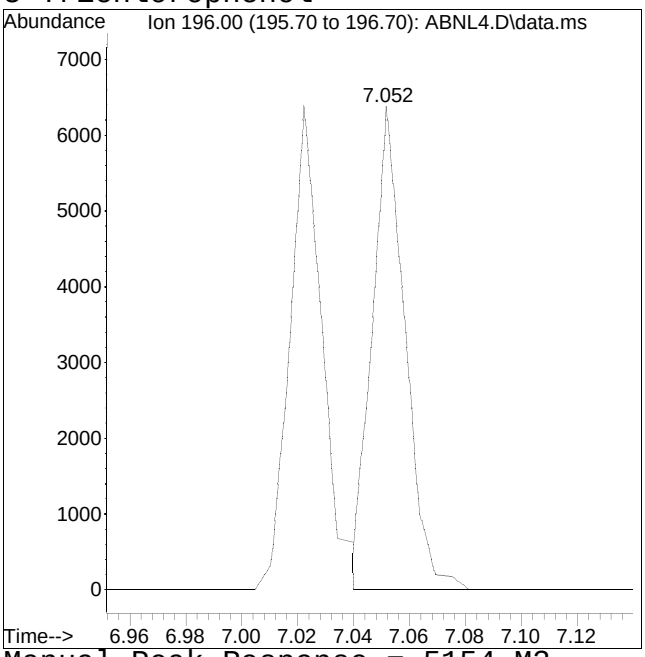


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





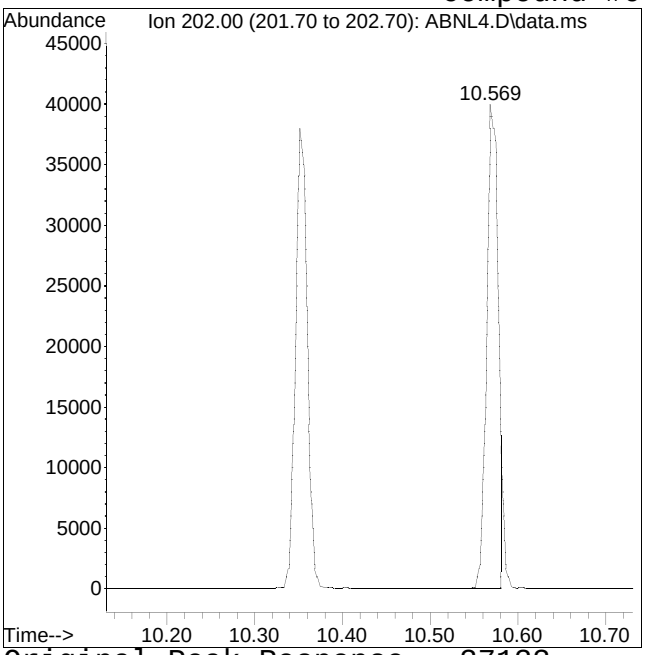
Original Peak Response = 5165 Manual Peak Response = 5154 M3

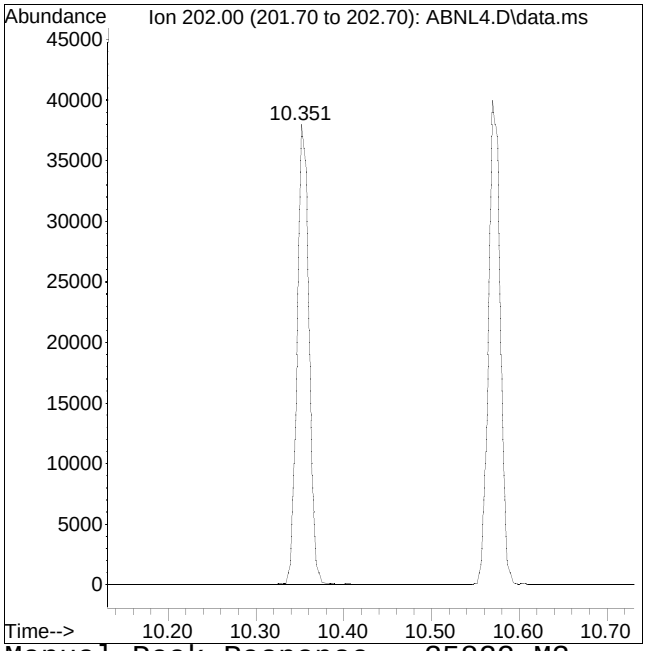
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



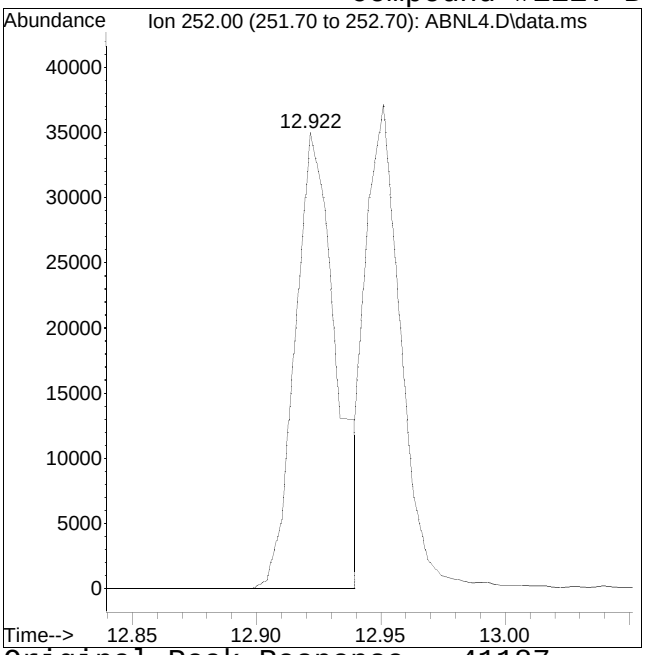


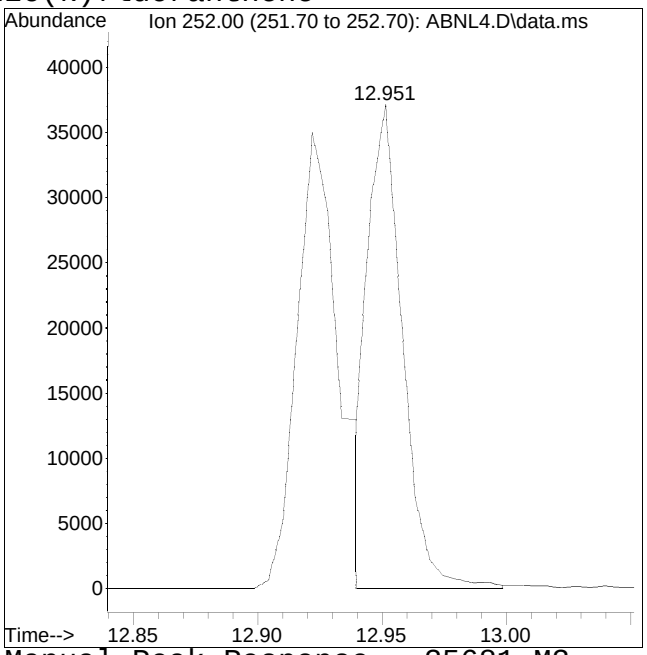
Original Peak Response = 37133 Manual Peak Response = 35822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



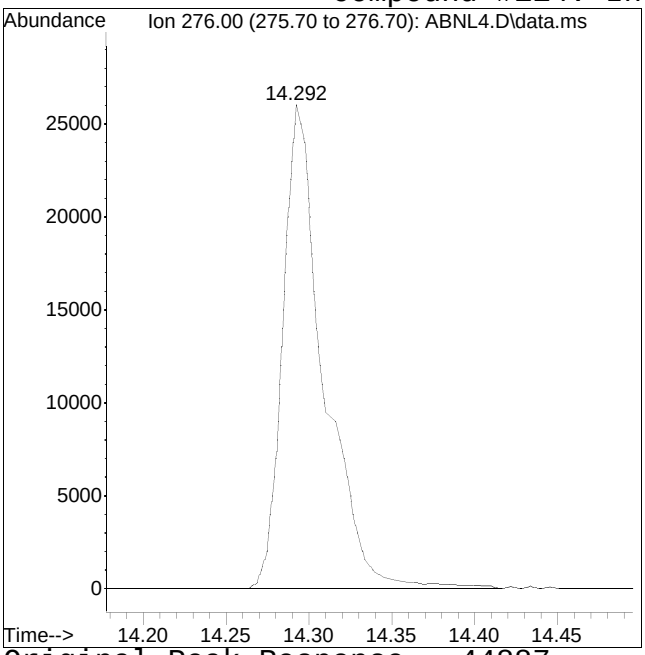


Original Peak Response = 41187 Manual Peak Response = 35681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

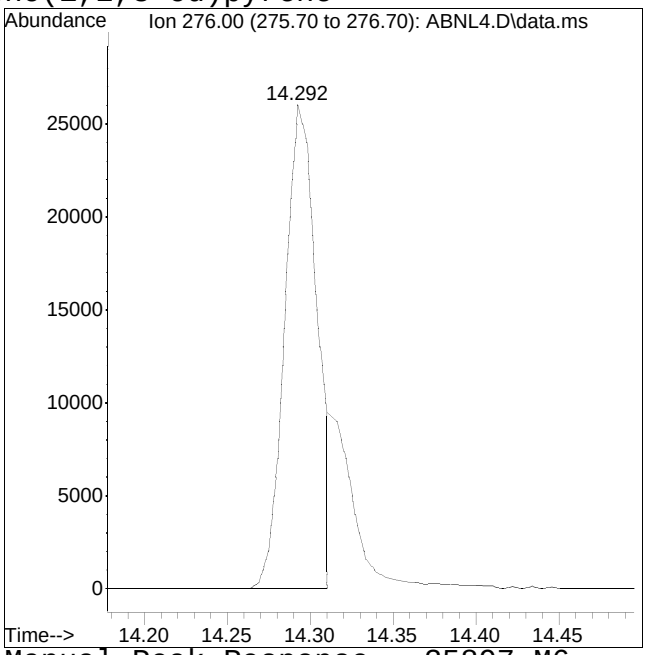
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 44887



Manual Peak Response = 35897 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21531	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 101.25%		
35) IS1_Naphthalene-d8	6.040	136	80456	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.47%		
63) IS1_Acenaphthene-d10	7.746	164	49615	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.87%		
88) IS1_Phenanthrene-d10	9.175	188	113431	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 109.22%		
104) IS1_Chrysene-d12	11.822	240	119417	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 107.36%		
113) IS1_Perylene-d12	13.298	264	139944	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 106.51%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	3059	0.541 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.05%		
7) Phenol-d6	4.475	99	3674	0.503 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.15%		
19) Nitrobenzene-d5	5.346	82	3456	0.496 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.60%		
46) 2-Fluorobiphenyl	7.104	172	9640	0.530 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.00%		
79) 2,4,6-Tribromophenol	8.510	330	1570	0.537 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.85%		
96) 4-Terphenyl-d14	10.757	244	15760	0.540 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.169	74	1798	0.508 ug/ml#	76
3) Pyridine	2.228	79	2950	0.526 ug/ml	87
5) Aniline	4.487	93	4787	0.491 ug/ml#	52
6) 2-Chlorophenol	4.599	128	3481	0.517 ug/ml	93
8) Phenol	4.487	94	4195	0.494 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	3281	0.522 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	4139	0.510 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	4559	0.538 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	4291M3	0.540 ug/ml	
13) Benzyl alcohol	4.952	79	2429	0.478 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	4116	0.519 ug/ml#	55

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	2845	0.500	ug/ml	99
16) Hexachloroethane	5.299	117	1452	0.484	ug/ml#	51
17) n-Nitrosodi-n-propylamine	5.222	70	2283	0.490	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	3088	0.499	ug/ml#	90
20) Nitrobenzene	5.363	77	3379	0.487	ug/ml#	88
21) Isophorone	5.605	82	6143	0.490	ug/ml#	91
22) 2-Nitrophenol	5.675	139	1462	0.473	ug/ml#	76
23) 2,4-Dimethylphenol	5.746	107	3160	0.533	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.834	93	4317	0.512	ug/ml#	91
25) 2,4-Dichlorophenol	5.916	162	2886	0.465	ug/ml	90
26) 1,2,4-Trichlorobenzene	5.993	180	3902	0.497	ug/ml	92
36) Naphthalene	6.057	128	11582	0.549	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	1170	0.494	ug/ml	78
39) Hexachlorobutadiene	6.210	225	2769	0.560	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	2661	0.478	ug/ml	95
41) 2-Methylnaphthalene	6.740	142	7593	0.529	ug/ml	99
42) 1-Methylnaphthalene	6.828	115	2598	0.527	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	2747	0.544	ug/ml#	88
44) 2,4,6-Trichlorophenol	7.022	196	2459	0.477	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	2732M3	0.518	ug/ml	
47) 2-Chloronaphthalene	7.204	162	7927	0.520	ug/ml	91
48) 2-Nitroaniline	7.310	138	2018	0.501	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	901	0.456	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	1057	0.461	ug/ml	96
51) Dimethyl phthalate	7.510	163	10143	0.547	ug/ml#	97
52) Acenaphthylene	7.604	152	12026	0.534	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	1638	0.472	ug/ml	96
54) 1,2-Dinitrobenzene	7.599	168	626	0.470	ug/ml#	1
64) 3-Nitroaniline	7.710	138	1781	0.481	ug/ml#	87
65) Acenaphthene	7.775	154	7604	0.550	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	490M2	0.607	ug/ml	
67) Dibenzofuran	7.946	168	12935	0.568	ug/ml	92
68) 2,4-Dinitrotoluene	7.940	165	2185	0.460	ug/ml	100
69) 4-Nitrophenol	7.310	65	1759	0.490	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	2226	0.477	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	2299	0.501	ug/ml	98
72) Diethyl phthalate	8.199	149	9919	0.538	ug/ml	96
73) Fluorene	8.275	166	9598	0.541	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	5075	0.525	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	1828	0.469	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	998	0.544	ug/ml#	1
77)	NDPA/DPA	8.404	169	8041	0.527	ug/ml	94
78)	Azobenzene	8.440	77	8517	0.526	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	3206	0.517	ug/ml#	80
81)	Hexachlorobenzene	8.816	284	4220	0.542	ug/ml#	82
82)	Pentachlorophenol	9.010	266	1607	0.456	ug/ml	98
89)	Phenanthrene	9.198	178	16630	0.554	ug/ml	99
90)	Anthracene	9.246	178	15416	0.525	ug/ml	99
91)	Carbazole	9.410	167	14347	0.534	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	15004	0.512	ug/ml	100
93)	Fluoranthene	10.357	202	18807M3	0.540	ug/ml	
94)	Benzidine	10.504	184	9089	0.475	ug/ml#	97
95)	Pyrene	10.575	202	19930	0.540	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	6152	0.474	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	20536	0.536	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	6714	0.481	ug/ml	97
107)	Chrysene	11.851	228	20927	0.557	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	11.922	149	8915	0.468	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	13695	0.469	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	21894	0.557	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	19443M3	0.542	ug/ml	
112)	Benzo(a)pyrene	13.239	252	18592	0.542	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.292	276	19562M6	0.500	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	20134	0.539	ug/ml#	90
116)	Benzo(ghi)perylene	14.557	276	20038	0.531	ug/ml#	93

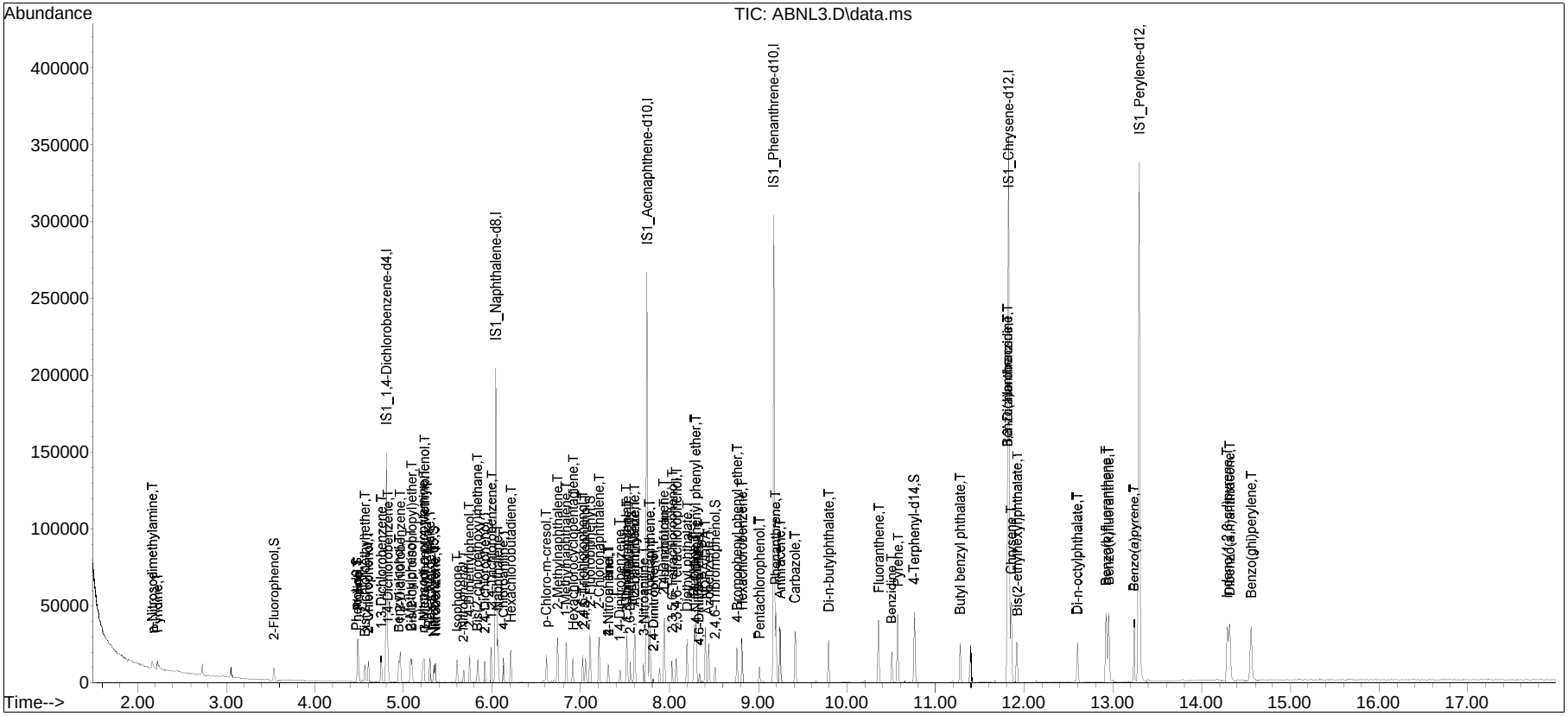
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

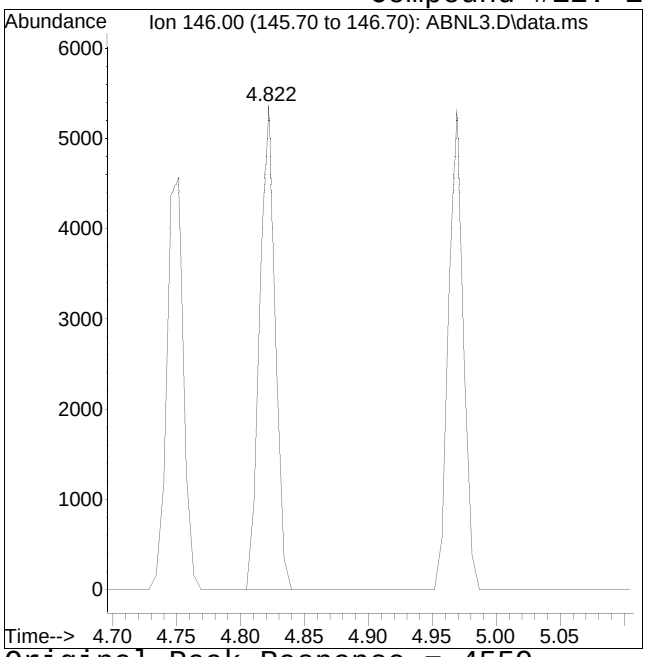
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

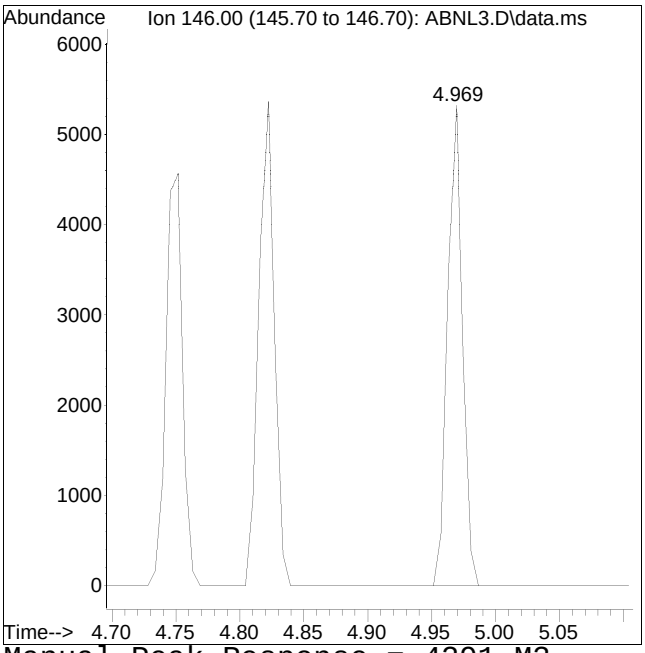


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #12: 1,2-Dichlorobenzene





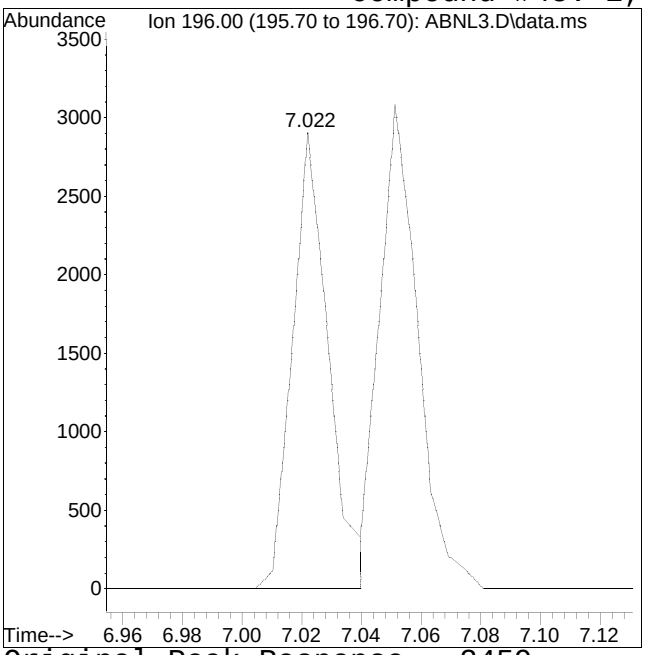
Original Peak Response = 4559 Manual Peak Response = 4291 M3

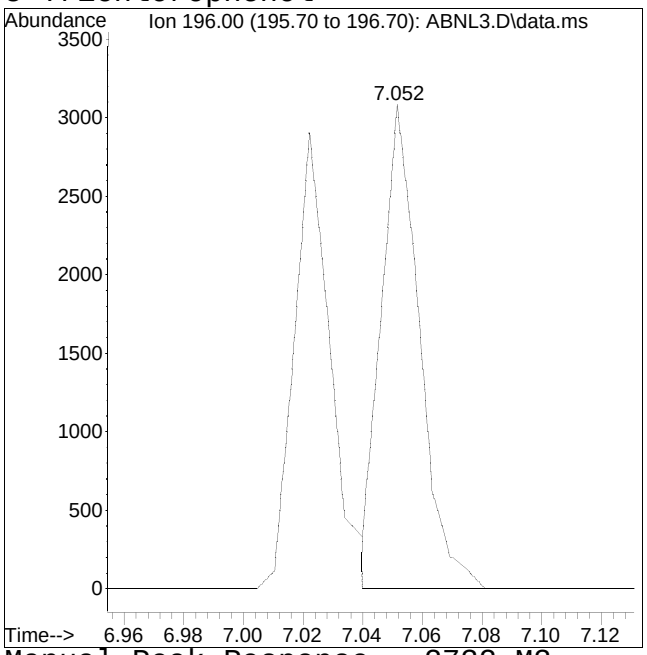
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





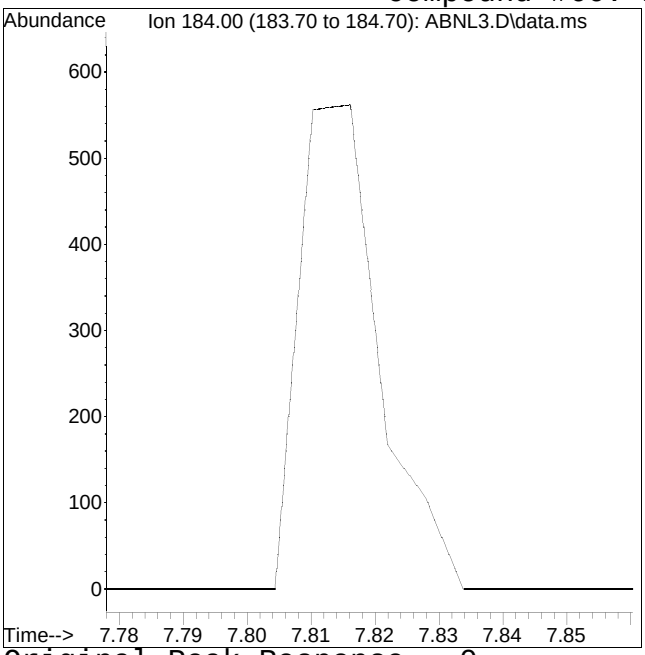
Original Peak Response = 2459 Manual Peak Response = 2732 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

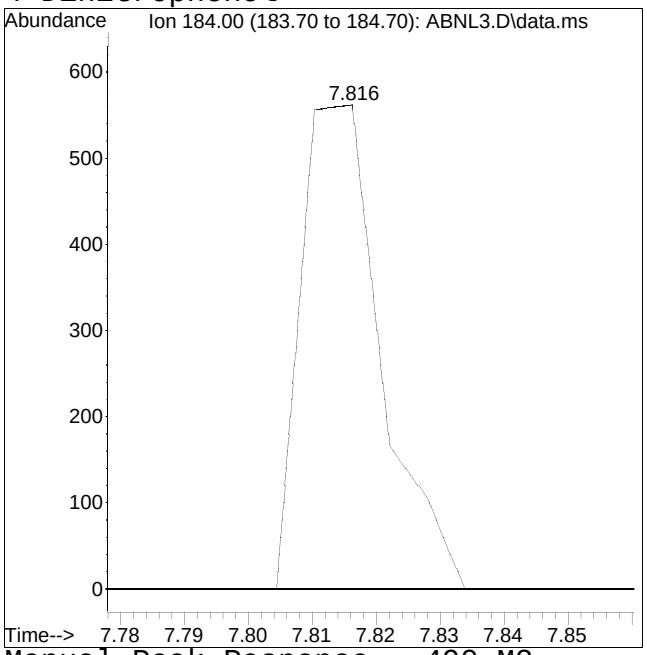
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



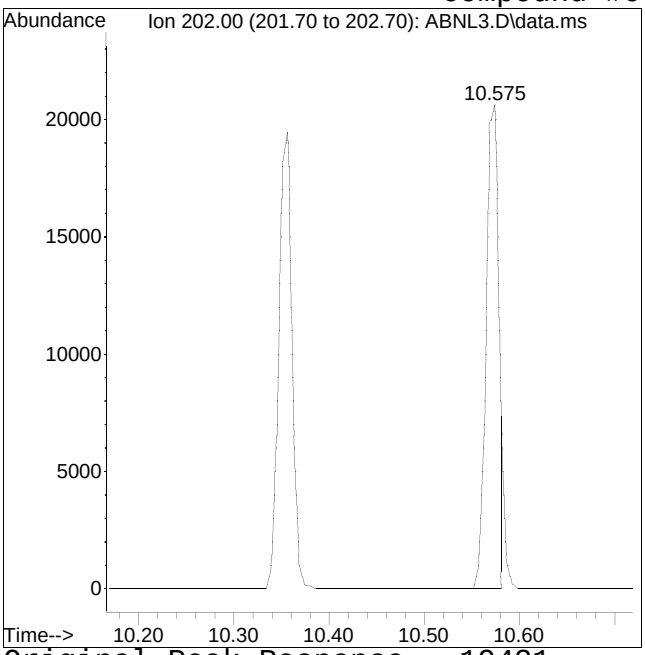
Manual Peak Response = 490 M2

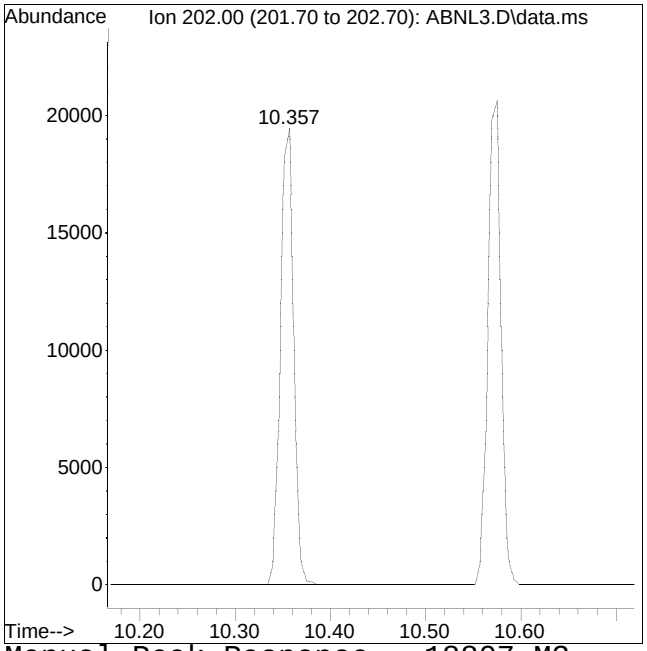
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



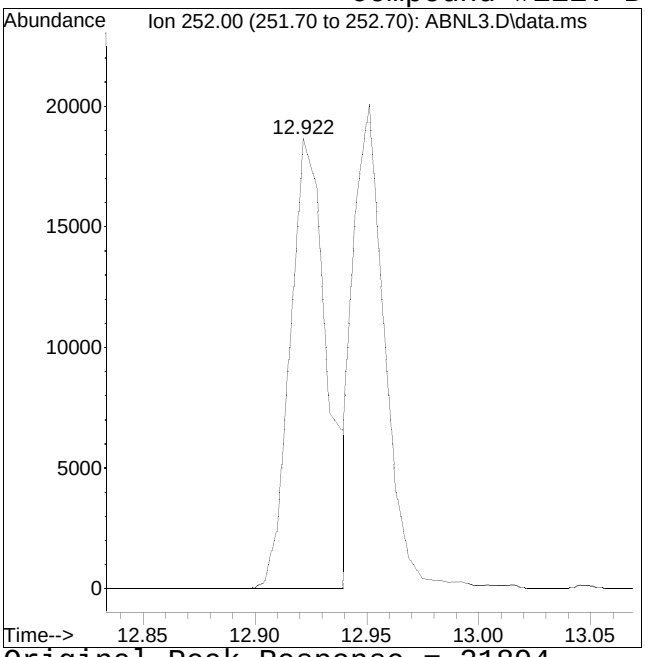


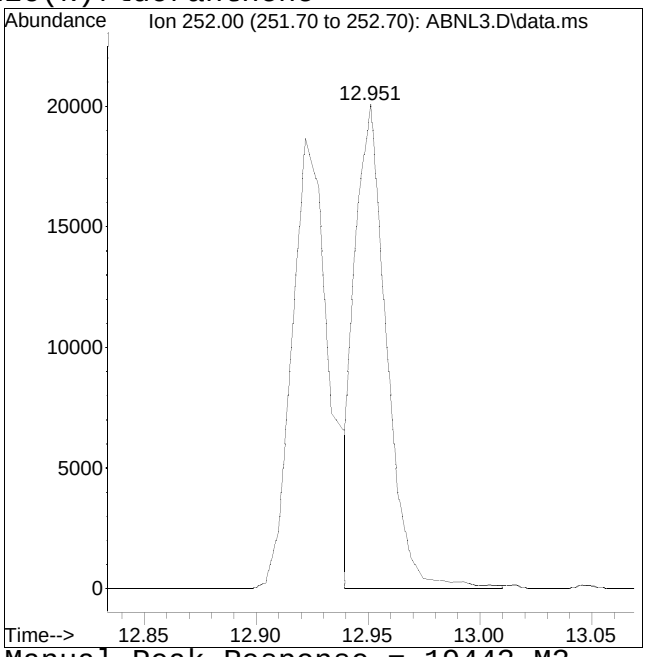
Original Peak Response = 19421 Manual Peak Response = 18807 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



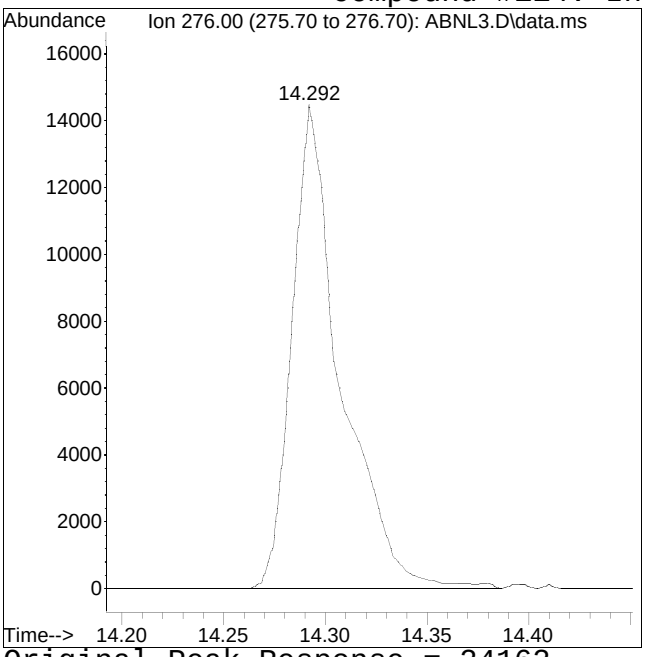


Original Peak Response = 21894 Manual Peak Response = 19443 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

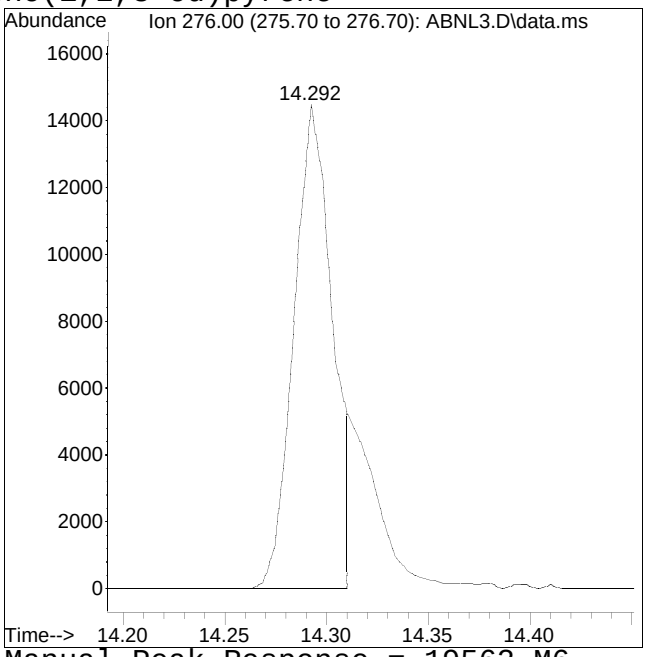
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 24162



Manual Peak Response = 19562 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.804	152	19198	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 90.28%		
35) IS1_Naphthalene-d8	6.040	136	71874	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 87.97%		
63) IS1_Acenaphthene-d10	7.745	164	44637	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 90.75%		
88) IS1_Phenanthrene-d10	9.175	188	102635	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 98.82%		
104) IS1_Chrysene-d12	11.822	240	108008	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 97.11%		
113) IS1_Perylene-d12	13.298	264	123684	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 94.13%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	1082	0.215 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.75%#		
7) Phenol-d6	4.475	99	1434	0.220 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#		
19) Nitrobenzene-d5	5.346	82	1409	0.227 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.70%#		
46) 2-Fluorobiphenyl	7.104	172	4068	0.250 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.00%#		
79) 2,4,6-Tribromophenol	8.504	330	239M2	0.091 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.55%#		
96) 4-Terphenyl-d14	10.757	244	6360	0.241 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 24.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	656	0.208 ug/ml#	64
3) Pyridine	2.240	79	965	0.193 ug/ml	89
5) Aniline	4.487	93	2027	0.233 ug/ml#	56
6) 2-Chlorophenol	4.599	128	1348	0.225 ug/ml#	72
8) Phenol	4.487	94	1714	0.226 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	1270	0.227 ug/ml#	82
10) 1,3-Dichlorobenzene	4.752	146	1712	0.236 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	1968	0.260 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	1608	0.227 ug/ml	88
13) Benzyl alcohol	4.952	79	999	0.220 ug/ml	98

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	1733	0.245	ug/ml#	45
15) 2-Methylphenol	5.081	108	1175	0.232	ug/ml#	86
16) Hexachloroethane	5.299	117	641	0.239	ug/ml#	16
17) n-Nitrosodi-n-propylamine	5.222	70	956	0.230	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	1267	0.229	ug/ml#	89
20) Nitrobenzene	5.363	77	1400	0.226	ug/ml#	38
21) Isophorone	5.604	82	2427	0.217	ug/ml#	67
22) 2-Nitrophenol	5.675	139	546	0.198	ug/ml#	33
23) 2,4-Dimethylphenol	5.746	107	1160	0.219	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	1855	0.247	ug/ml#	88
25) 2,4-Dichlorophenol	5.916	162	1210	0.219	ug/ml#	72
26) 1,2,4-Trichlorobenzene	5.993	180	1781	0.254	ug/ml#	81
36) Naphthalene	6.057	128	4649	0.247	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	568	0.268	ug/ml	97
39) Hexachlorobutadiene	6.210	225	1009	0.228	ug/ml	92
40) p-Chloro-m-cresol	6.616	107	1112	0.224	ug/ml#	87
41) 2-Methylnaphthalene	6.740	142	3159	0.247	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	1048	0.238	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	1022	0.227	ug/ml#	93
44) 2,4,6-Trichlorophenol	7.022	196	998	0.217	ug/ml#	85
45) 2,4,5-Trichlorophenol	7.051	196	965M3	0.205	ug/ml	
47) 2-Chloronaphthalene	7.204	162	3300	0.242	ug/ml	93
48) 2-Nitroaniline	7.310	138	717	0.199	ug/ml#	65
49) 1,4-Dinitrobenzene	7.440	168	311M2	0.176	ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	394M2	0.192	ug/ml	
51) Dimethyl phthalate	7.510	163	3960	0.239	ug/ml#	77
52) Acenaphthylene	7.604	152	4685	0.233	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	619	0.200	ug/ml#	35
54) 1,2-Dinitrobenzene	7.593	168	157M3	0.132	ug/ml	
64) 3-Nitroaniline	7.710	138	661	0.198	ug/ml#	73
65) Acenaphthene	7.775	154	3104	0.250	ug/ml	97
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.945	168	5020	0.245	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	820	0.192	ug/ml#	88
69) 4-Nitrophenol	7.310	65	695	0.215	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	763	0.182	ug/ml#	73
71) 2,3,4,6-Tetrachlorophenol	8.075	232	760	0.184	ug/ml#	68
72) Diethyl phthalate	8.198	149	4032	0.243	ug/ml#	83
73) Fluorene	8.275	166	3788	0.237	ug/ml#	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	2303	0.265	ug/ml#	73
75) 4-Nitroaniline	8.293	138	643	0.183	ug/ml	91
76) 4,6-Dinitro-o-cresol	8.334	198	251M2	0.319	ug/ml	
77) NDPA/DPA	8.404	169	3203	0.233	ug/ml	98
78) Azobenzene	8.440	77	3151	0.216	ug/ml#	92
80) 4-Bromophenyl phenyl e...	8.763	248	1395	0.250	ug/ml#	78
81) Hexachlorobenzene	8.816	284	1719	0.245	ug/ml#	87
82) Pentachlorophenol	9.010	266	511	0.161	ug/ml#	18
89) Phenanthrene	9.198	178	6872	0.253	ug/ml	97
90) Anthracene	9.245	178	6523	0.246	ug/ml	97
91) Carbazole	9.416	167	5745	0.236	ug/ml	98
92) Di-n-butylphthalate	9.798	149	6125	0.231	ug/ml#	94
93) Fluoranthene	10.351	202	7611M3	0.242	ug/ml	
94) Benzidine	10.504	184	3166	0.183	ug/ml#	68
95) Pyrene	10.575	202	7787	0.233	ug/ml	99
97) Butyl benzyl phthalate	11.281	149	2316	0.197	ug/ml#	91
105) Benzo(a)anthracene	11.810	228	8184	0.236	ug/ml	97
106) 3,3'-Dichlorobenzidine	11.810	252	2557	0.202	ug/ml#	90
107) Chrysene	11.851	228	8370M3	0.246	ug/ml	
108) Bis(2-ethylhexyl)phtha...	11.916	149	3547	0.206	ug/ml#	97
109) Di-n-octylphthalate	12.598	149	5186	0.196	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	8396	0.236	ug/ml#	94
111) Benzo(k)fluoranthene	12.951	252	7521M3	0.232	ug/ml	
112) Benzo(a)pyrene	13.239	252	7115	0.229	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.292	276	7638M6	0.221	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	7194	0.218	ug/ml#	91
116) Benzo(ghi)perylene	14.557	276	8051	0.242	ug/ml#	90

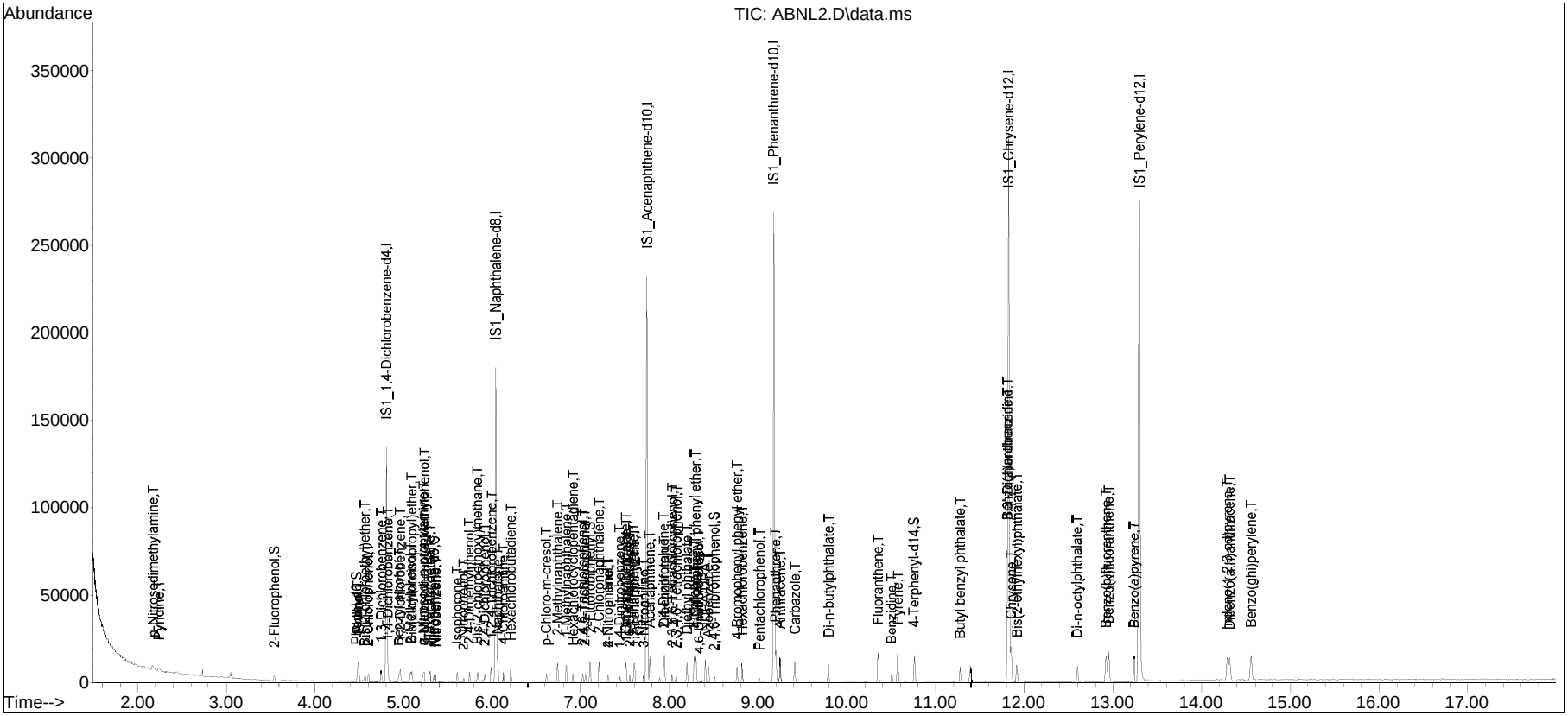
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

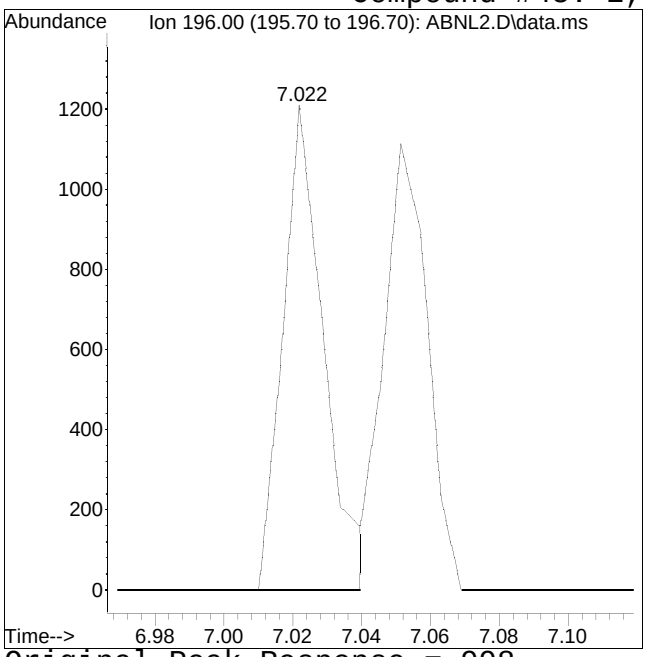
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

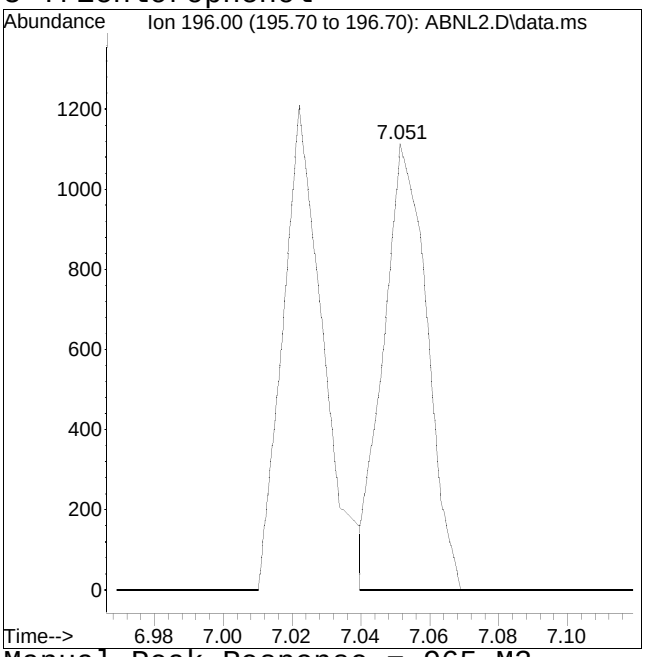


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol





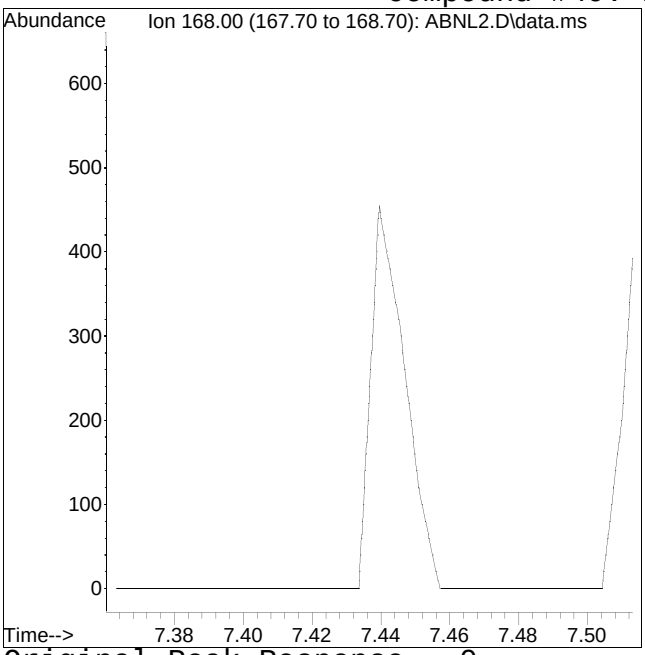
Original Peak Response = 998 Manual Peak Response = 965 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

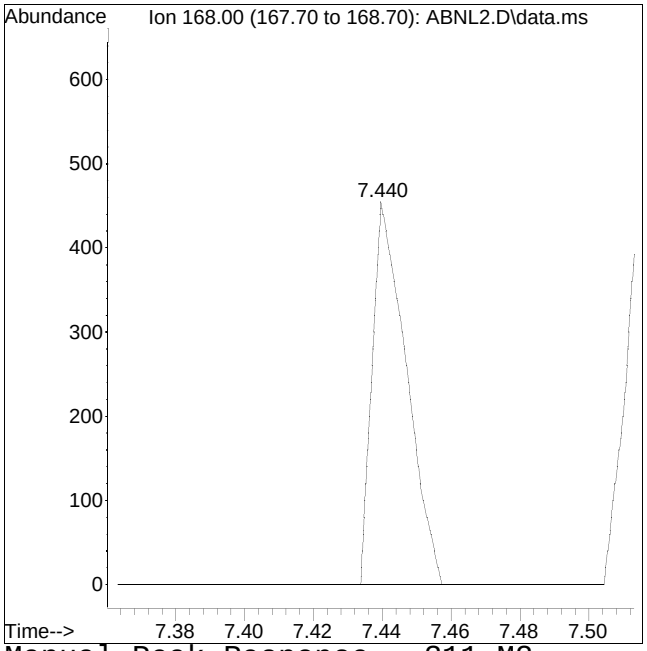
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



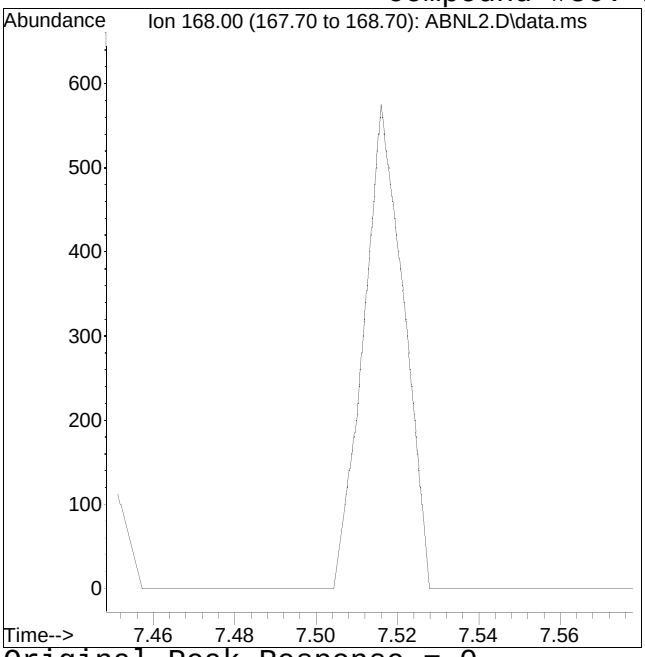
Manual Peak Response = 311 M2

M2 = Peak not found by automatic integration algorithm.

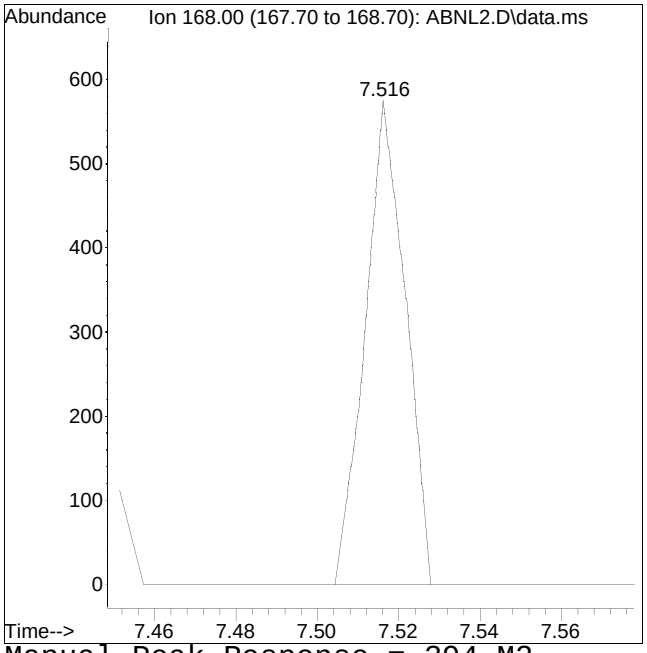
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



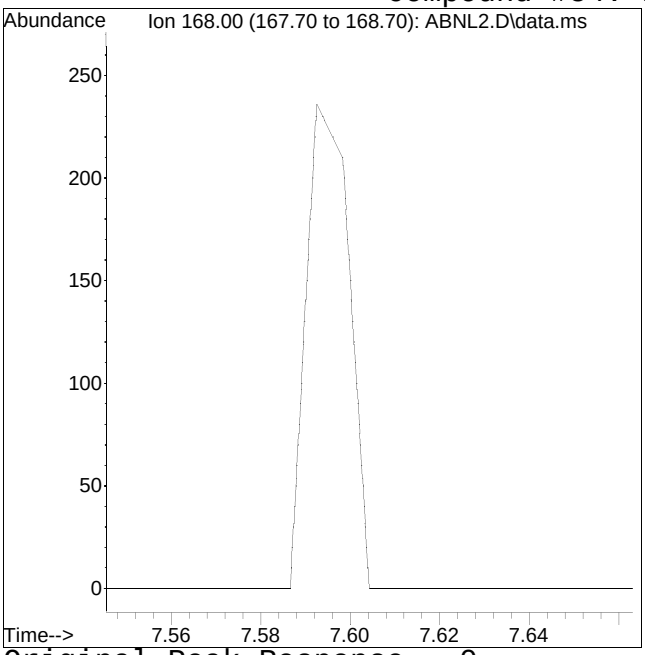
Manual Peak Response = 394 M2

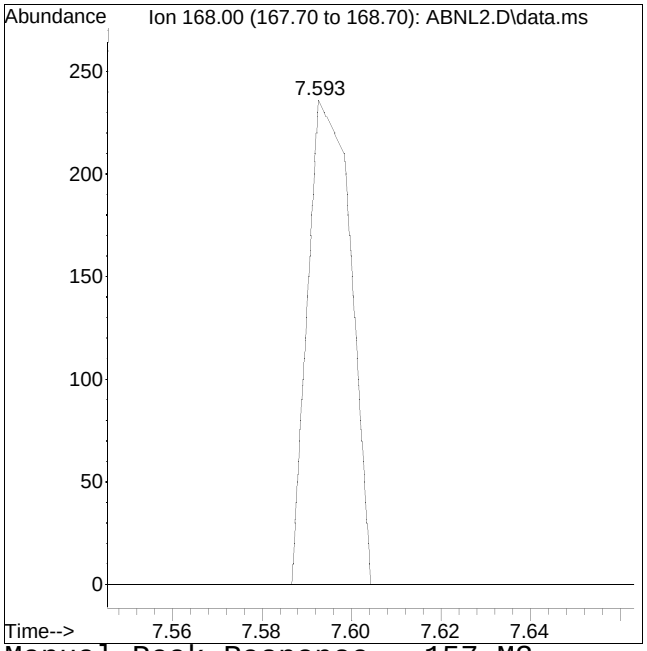
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene





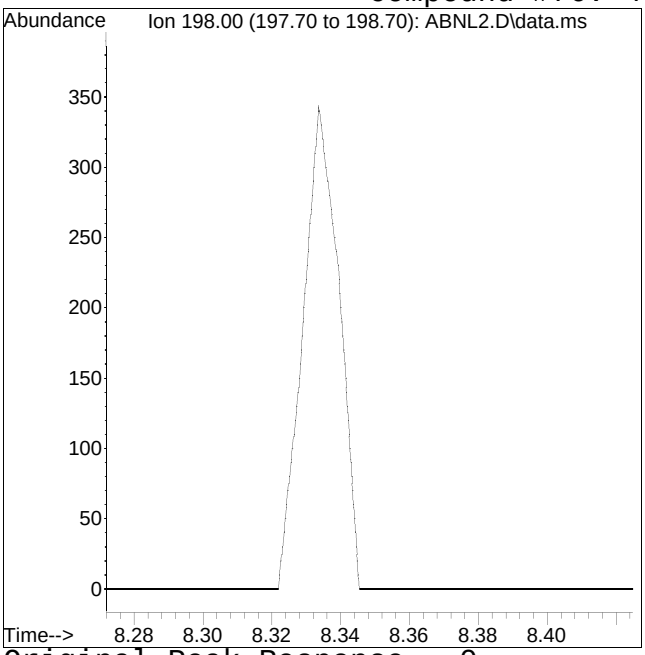
Original Peak Response = 0 Manual Peak Response = 157 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

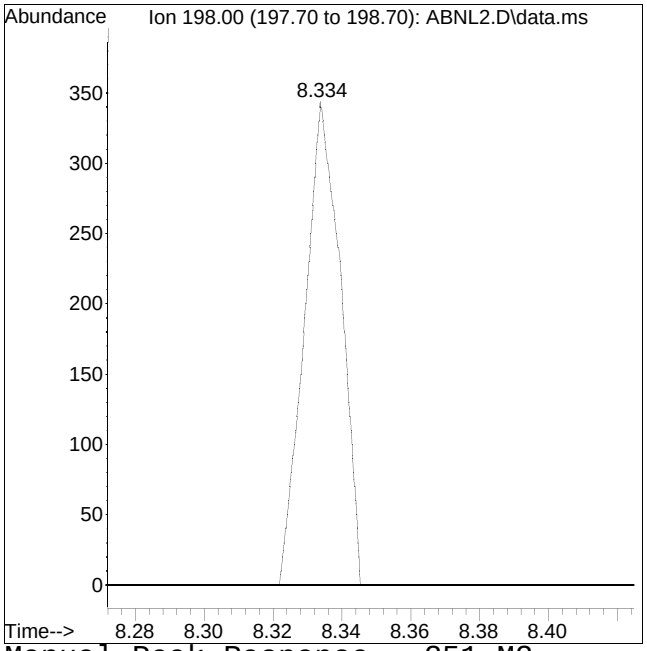
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



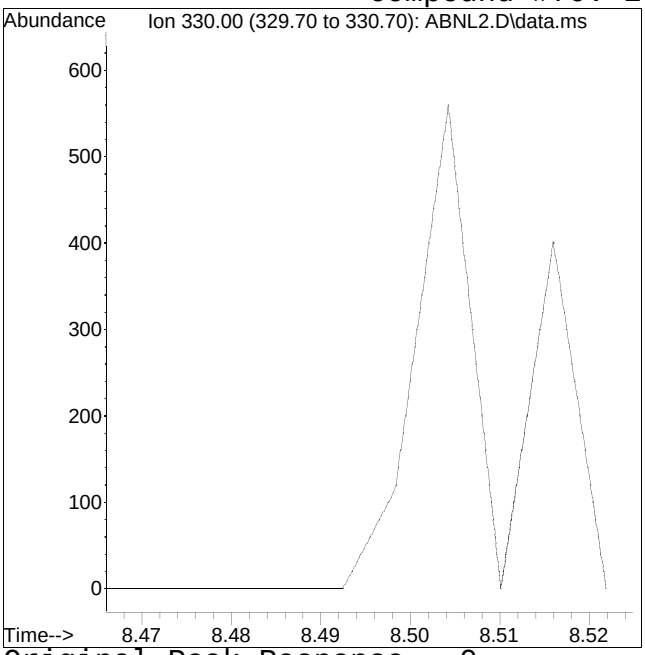
Manual Peak Response = 251 M2

M2 = Peak not found by automatic integration algorithm.

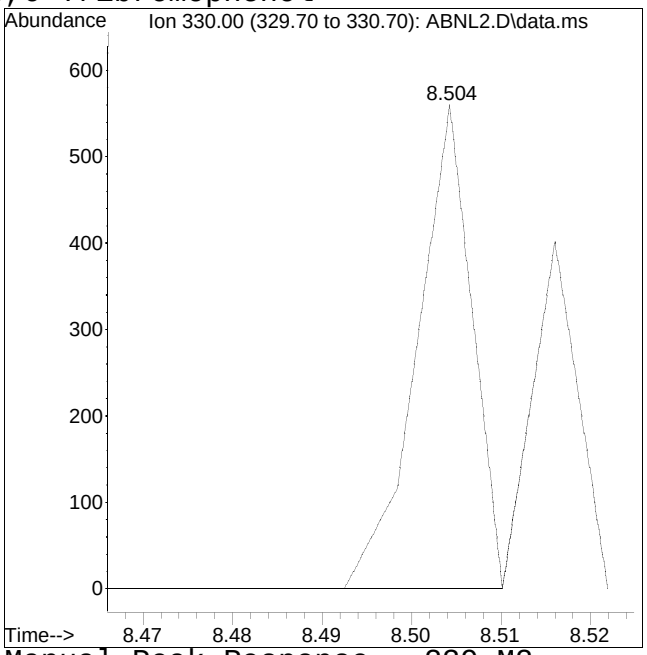
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



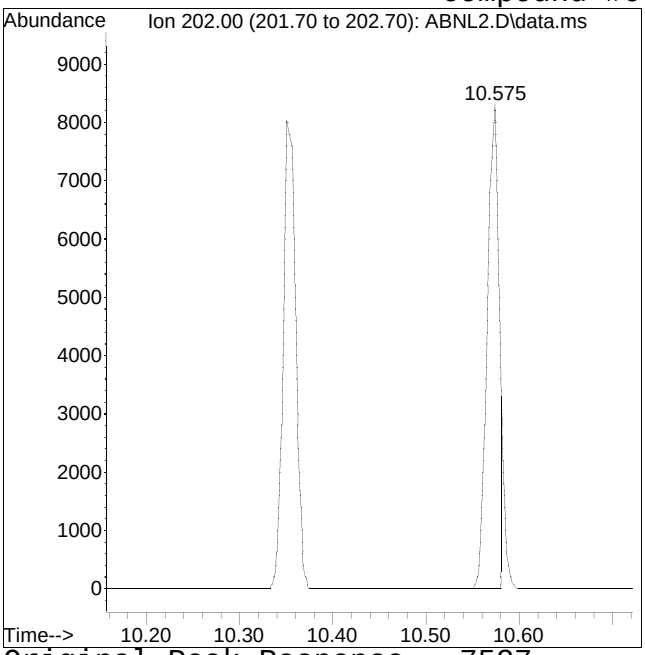
Manual Peak Response = 239 M2

M2 = Peak not found by automatic integration algorithm.

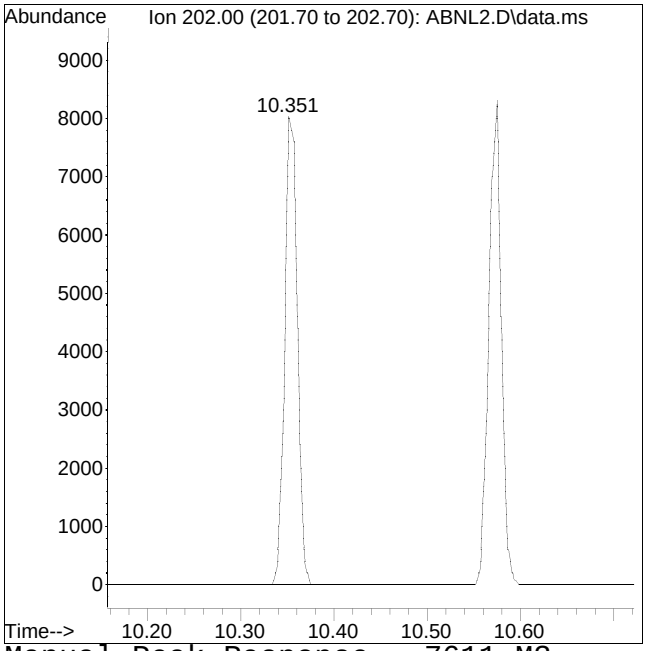
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #93: Fluoranthene



Original Peak Response = 7527



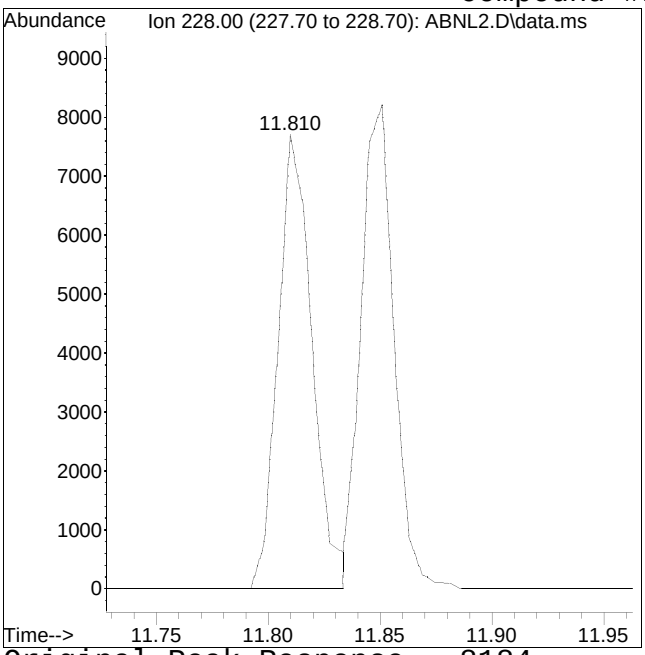
Manual Peak Response = 7611 M3

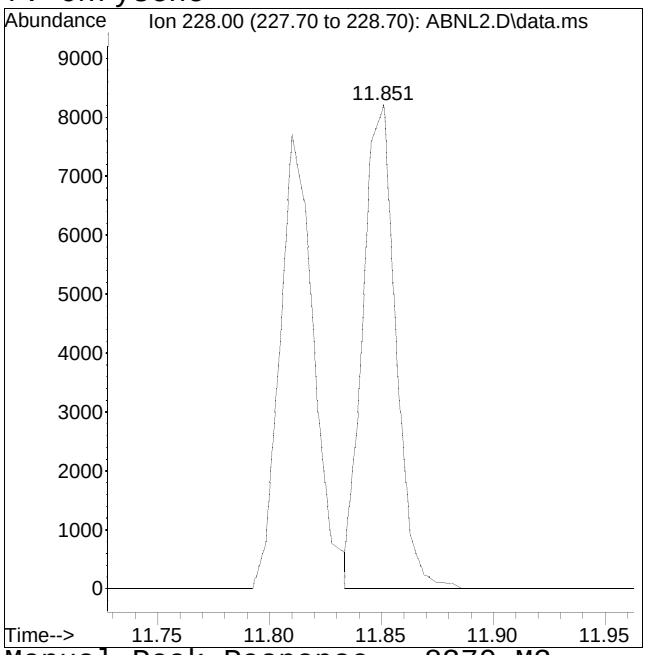
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #107: Chrysene





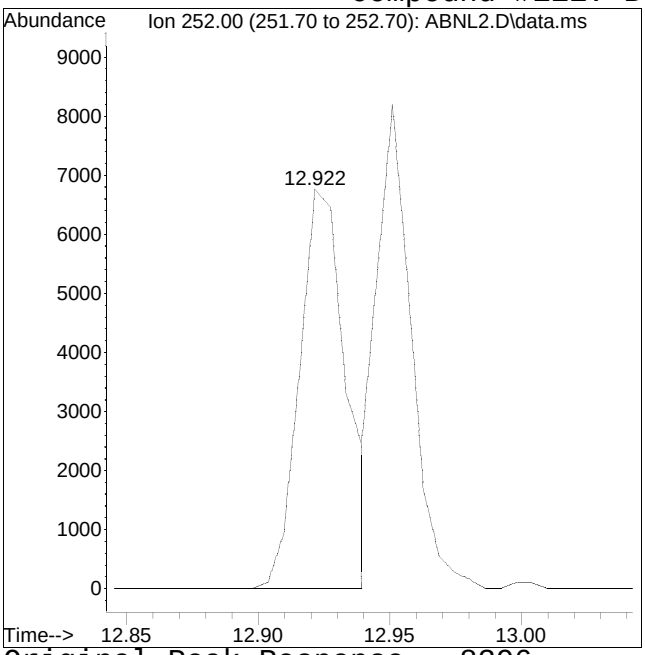
Original Peak Response = 8184 Manual Peak Response = 8370 M3

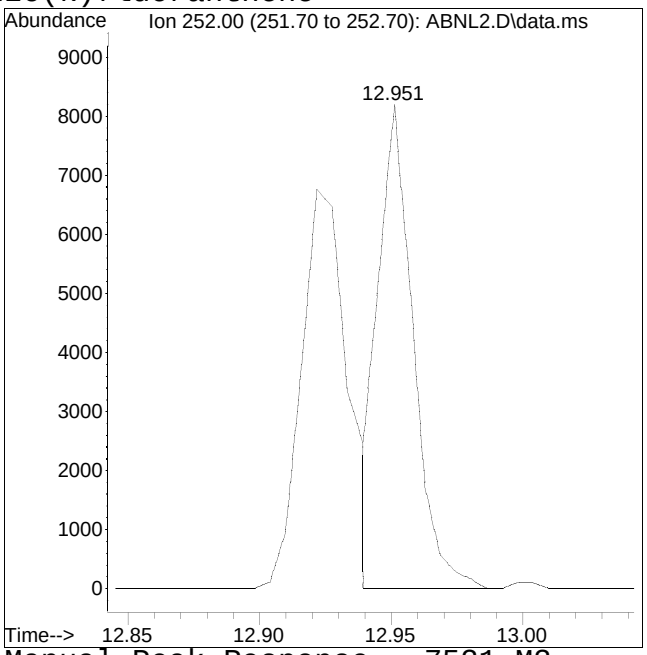
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene



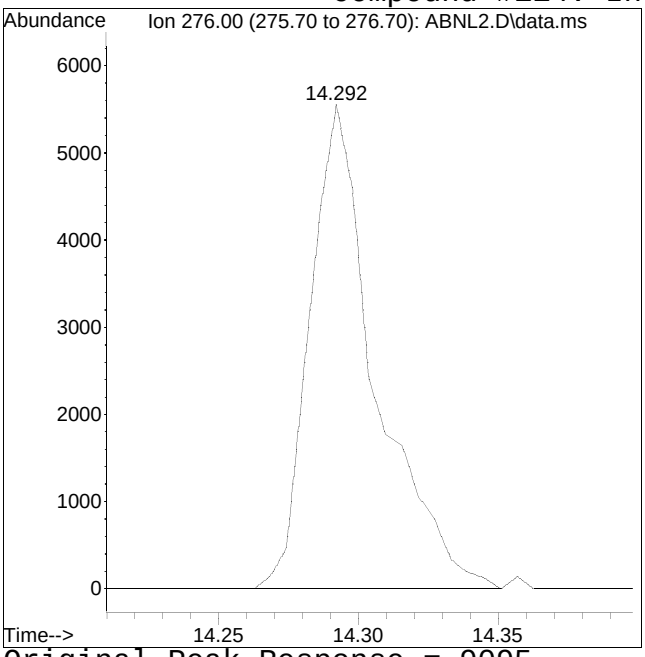


Original Peak Response = 8396 Manual Peak Response = 7521 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

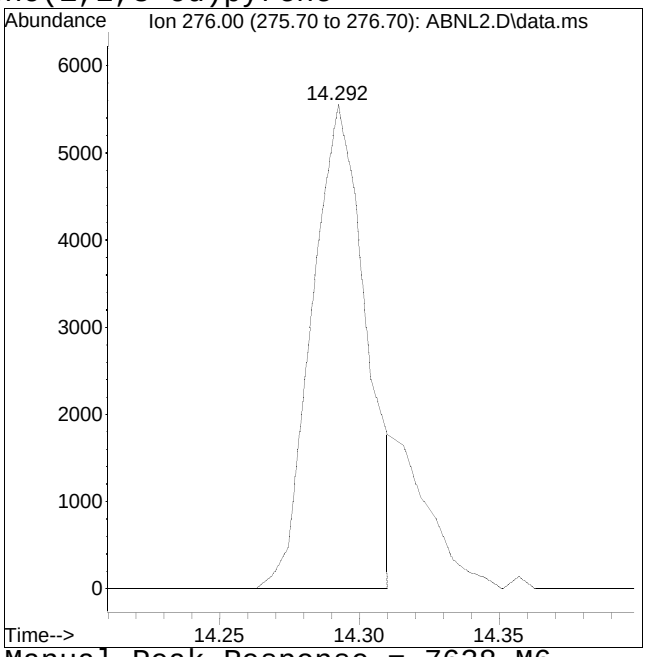
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 9095



Manual Peak Response = 7638 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20493	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.37%		
35) IS1_Naphthalene-d8	6.040	136	75511	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 92.42%		
63) IS1_Acenaphthene-d10	7.746	164	45957	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 93.43%		
88) IS1_Phenanthrene-d10	9.175	188	105241	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.33%		
104) IS1_Chrysene-d12	11.822	240	110283	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 99.15%		
113) IS1_Perylene-d12	13.298	264	126398	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 96.20%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	534	0.099 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.95%#		
7) Phenol-d6	4.481	99	783	0.113 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.65%#		
19) Nitrobenzene-d5	5.346	82	699	0.105 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.50%#		
46) 2-Fluorobiphenyl	7.104	172	2091	0.122 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.20%#		
79) 2,4,6-Tribromophenol	8.510	330	276M2	0.102 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.10%#		
96) 4-Terphenyl-d14	10.757	244	3232	0.119 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.181	74	288M2	0.086 ug/ml	
3) Pyridine	2.252	79	392M2	0.073 ug/ml	
5) Aniline	4.487	93	1042	0.112 ug/ml#	61
6) 2-Chlorophenol	4.605	128	741	0.116 ug/ml#	34
8) Phenol	4.493	94	931	0.115 ug/ml#	50
9) Bis(2-chloroethyl)ether	4.563	93	728	0.122 ug/ml#	17
10) 1,3-Dichlorobenzene	4.752	146	935	0.121 ug/ml#	71
11) 1,4-Dichlorobenzene	4.822	146	985	0.122 ug/ml#	83
12) 1,2-Dichlorobenzene	4.969	146	894	0.118 ug/ml#	68
13) Benzyl alcohol	4.957	79	437M4	0.090 ug/ml	

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	790	0.105 ug/ml#	62
15) 2-Methylphenol	5.081	108	547	0.101 ug/ml#	15
16) Hexachloroethane	5.299	117	310M2	0.109 ug/ml	
17) n-Nitrosodi-n-propylamine	5.222	70	439M2	0.099 ug/ml	
18) 3-Methylphenol/4-Methy...	5.234	108	568	0.096 ug/ml#	93
20) Nitrobenzene	5.363	77	704	0.107 ug/ml#	38
21) Isophorone	5.604	82	1294	0.108 ug/ml#	67
22) 2-Nitrophenol	5.675	139	293M2	0.100 ug/ml	
23) 2,4-Dimethylphenol	5.746	107	538	0.095 ug/ml#	63
24) Bis(2-chloroethoxy)met...	5.834	93	899	0.112 ug/ml#	50
25) 2,4-Dichlorophenol	5.916	162	615	0.104 ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.993	180	933	0.125 ug/ml#	80
36) Naphthalene	6.057	128	2390	0.121 ug/ml#	50
37) Benzoic Acid	5.722		0	N.D.	
38) 4-Chloroaniline	6.128	65	151M2	0.068 ug/ml	
39) Hexachlorobutadiene	6.210	225	534	0.115 ug/ml#	19
40) p-Chloro-m-cresol	6.616	107	494M2	0.095 ug/ml	
41) 2-Methylnaphthalene	6.740	142	1597	0.119 ug/ml	96
42) 1-Methylnaphthalene	6.834	115	597	0.129 ug/ml	85
43) Hexachlorocyclopentadiene	6.910	237	462M2	0.098 ug/ml	
44) 2,4,6-Trichlorophenol	7.022	196	484M2	0.100 ug/ml	
45) 2,4,5-Trichlorophenol	7.051	196	457M2	0.092 ug/ml	
47) 2-Chloronaphthalene	7.204	162	1787	0.125 ug/ml#	87
48) 2-Nitroaniline	7.310	138	357M2	0.094 ug/ml	
49) 1,4-Dinitrobenzene	7.440	168	156M2	0.084 ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	177M2	0.082 ug/ml	
51) Dimethyl phthalate	7.510	163	2152	0.124 ug/ml#	77
52) Acenaphthylene	7.604	152	2412	0.114 ug/ml#	61
53) 2,6-Dinitrotoluene	7.551	165	326M3	0.100 ug/ml	
54) 1,2-Dinitrobenzene	7.599	168	55M3	0.044 ug/ml	
64) 3-Nitroaniline	7.710	138	290M2	0.084 ug/ml	
65) Acenaphthene	7.775	154	1510	0.118 ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.	
67) Dibenzofuran	7.946	168	2540	0.120 ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	366M3	0.083 ug/ml	
69) 4-Nitrophenol	7.310	65	364M2	0.109 ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.034	232	401M2	0.093 ug/ml	
71) 2,3,4,6-Tetrachlorophenol	8.075	232	376M2	0.088 ug/ml	
72) Diethyl phthalate	8.198	149	2066	0.121 ug/ml#	62
73) Fluorene	8.275	166	1978	0.120 ug/ml#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	1099	0.123	ug/ml#	63
75) 4-Nitroaniline	8.293	138	279M2	0.077	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77) NDPA/DPA	8.404	169	1660	0.117	ug/ml	95
78) Azobenzene	8.440	77	1751	0.117	ug/ml#	55
80) 4-Bromophenyl phenyl e...	8.763	248	734	0.128	ug/ml#	52
81) Hexachlorobenzene	8.816	284	1010	0.140	ug/ml#	35
82) Pentachlorophenol	9.010	266	133M2	0.041	ug/ml	
89) Phenanthrene	9.198	178	3473	0.125	ug/ml	98
90) Anthracene	9.245	178	3305M3	0.121	ug/ml	
91) Carbazole	9.416	167	2768	0.111	ug/ml#	87
92) Di-n-butylphthalate	9.798	149	2918	0.107	ug/ml#	78
93) Fluoranthene	10.357	202	3944	0.122	ug/ml#	84
94) Benzidine	10.504	184	1677	0.094	ug/ml#	68
95) Pyrene	10.575	202	4212	0.123	ug/ml	97
97) Butyl benzyl phthalate	11.281	149	1280	0.106	ug/ml#	87
105) Benzo(a)anthracene	11.810	228	4414	0.125	ug/ml	95
106) 3,3'-Dichlorobenzidine	11.810	252	1334	0.103	ug/ml#	82
107) Chrysene	11.845	228	4617	0.133	ug/ml	95
108) Bis(2-ethylhexyl)phtha...	11.916	149	1709	0.097	ug/ml#	56
109) Di-n-octylphthalate	12.598	149	2547	0.094	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	4361	0.120	ug/ml#	82
111) Benzo(k)fluoranthene	12.951	252	3489M3	0.105	ug/ml	
112) Benzo(a)pyrene	13.239	252	3478M3	0.110	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.292	276	3767M6	0.107	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	3287	0.097	ug/ml#	77
116) Benzo(ghi)perylene	14.557	276	3809	0.112	ug/ml	93

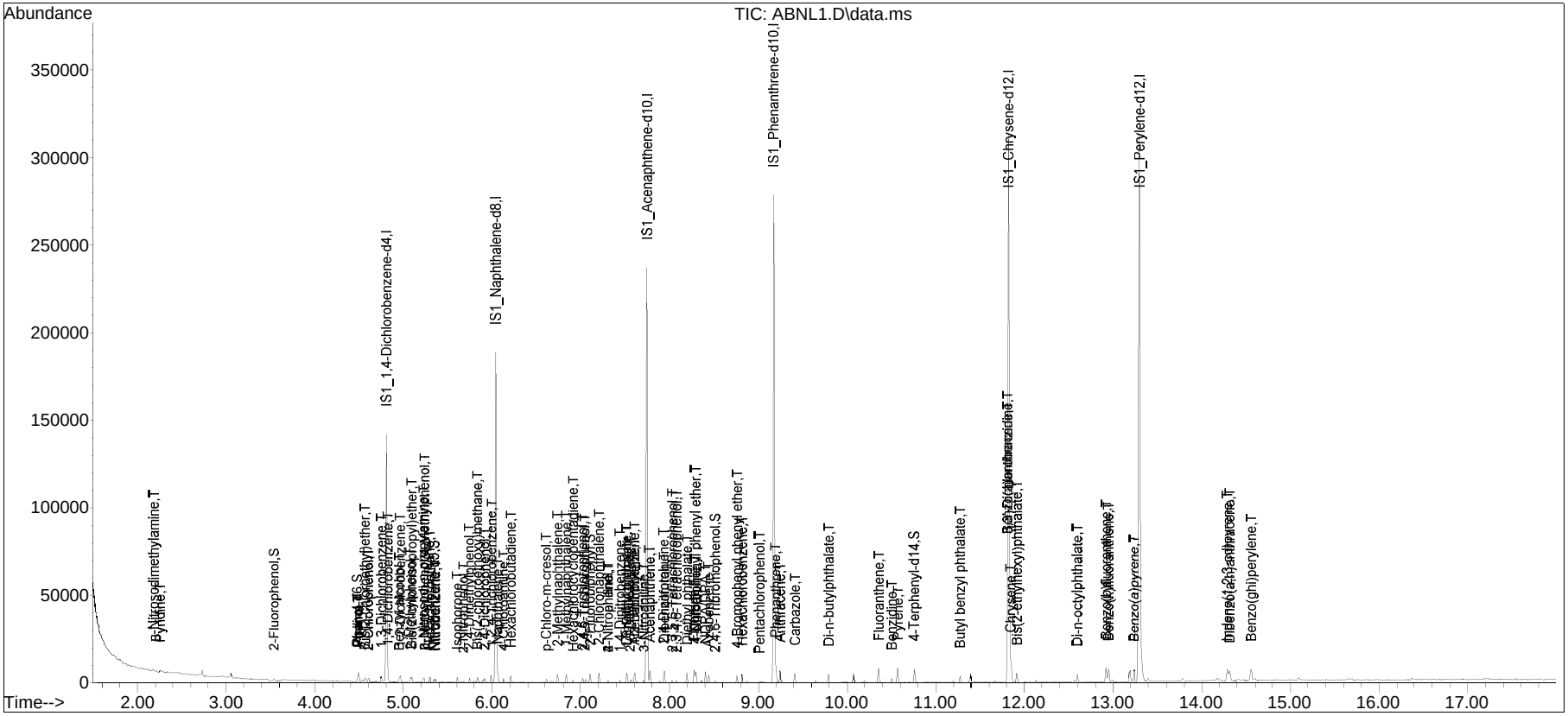
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

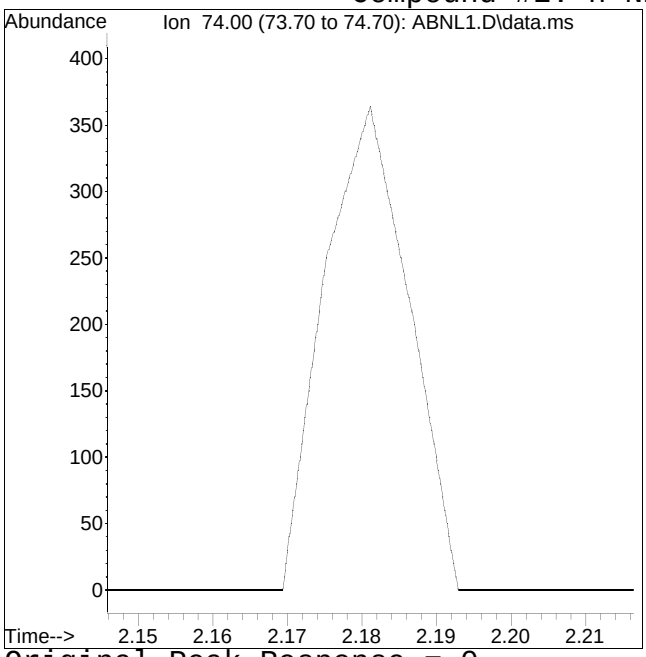
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



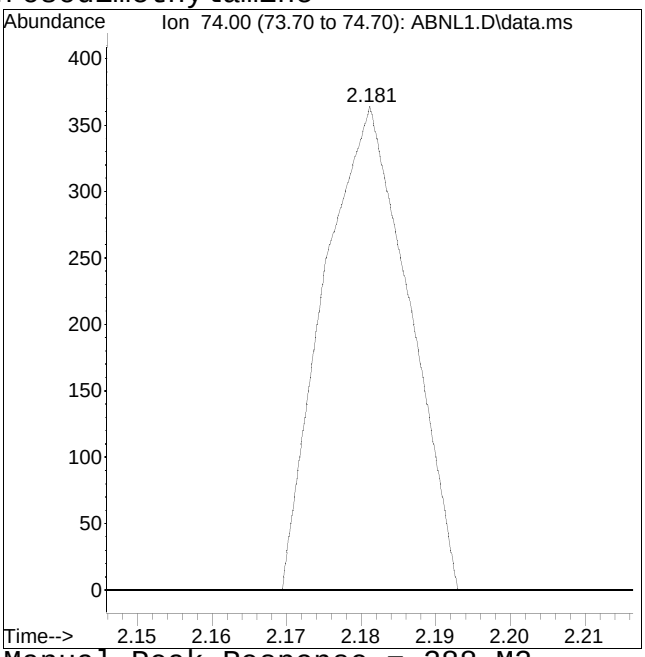
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



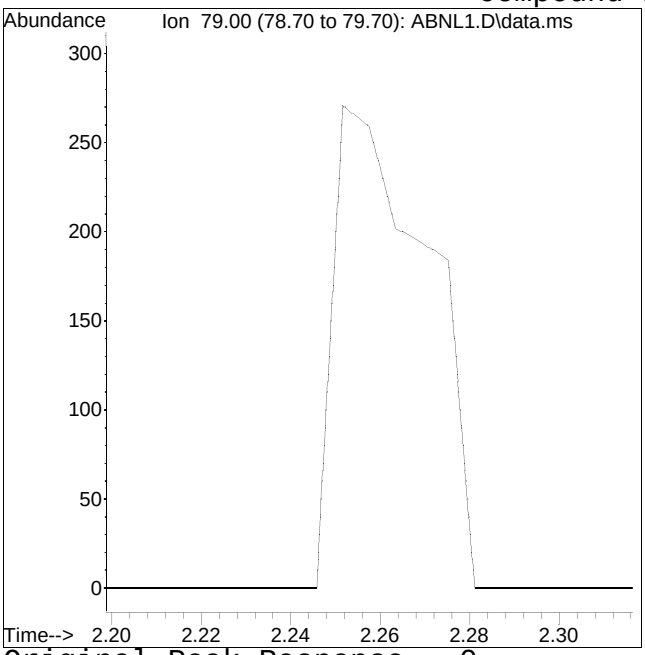
Manual Peak Response = 288 M2

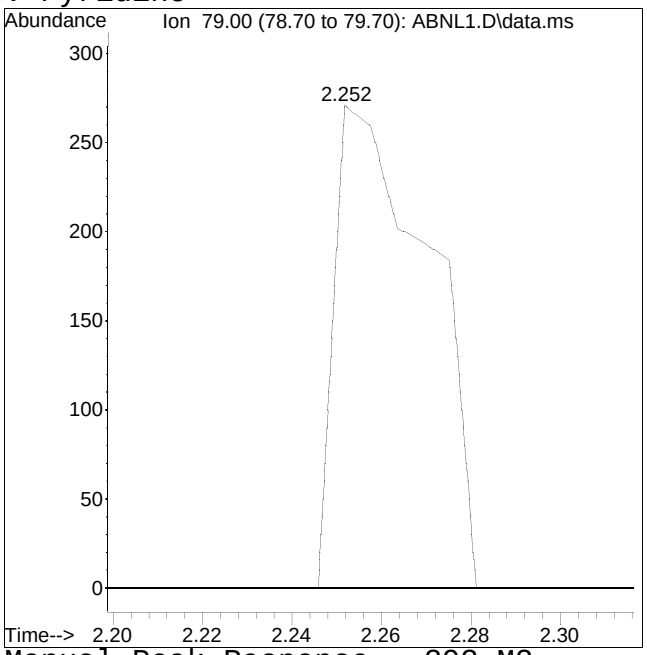
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #3: Pyridine



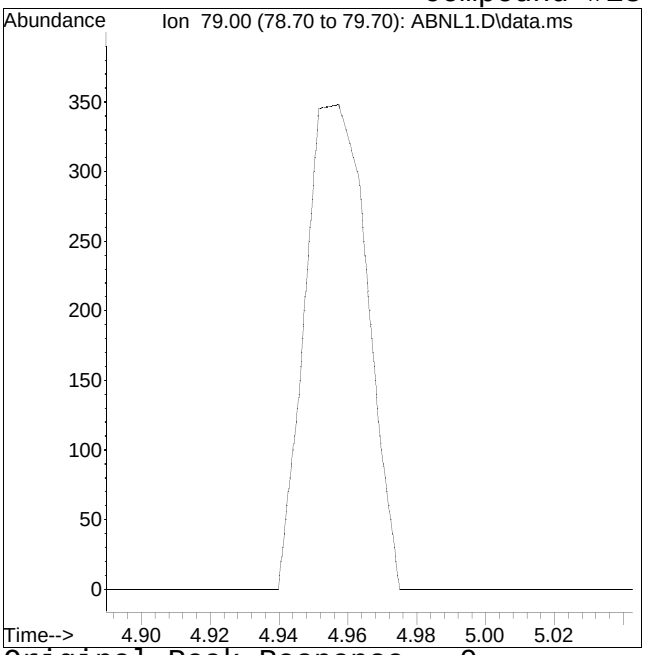


Original Peak Response = 0 Manual Peak Response = 392 M2
M2 = Peak not found by automatic integration algorithm.

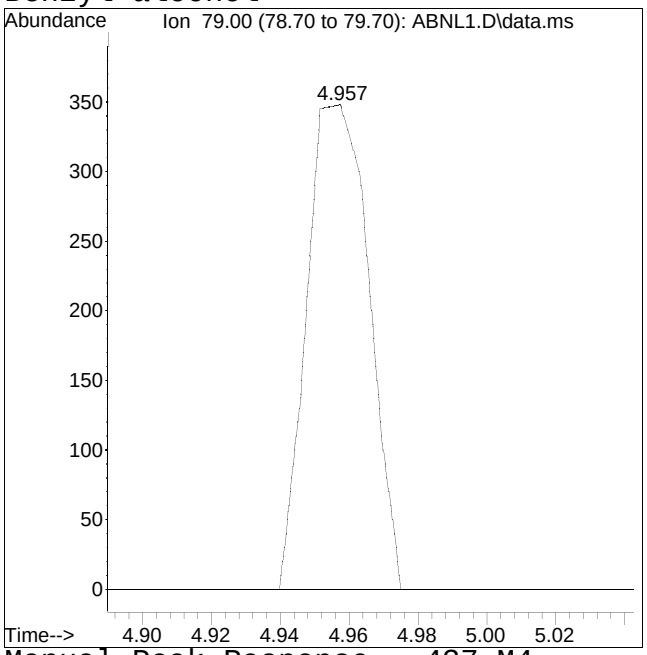
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #13: Benzyl alcohol



Original Peak Response = 0



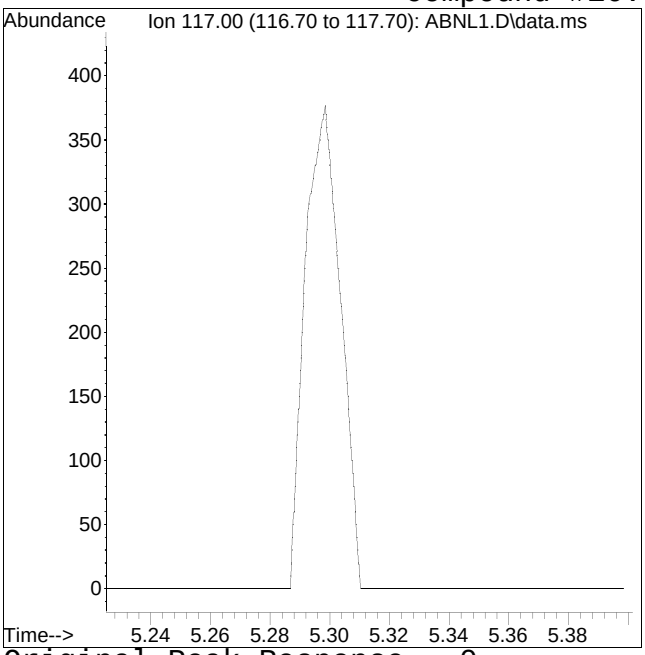
Manual Peak Response = 437 M4

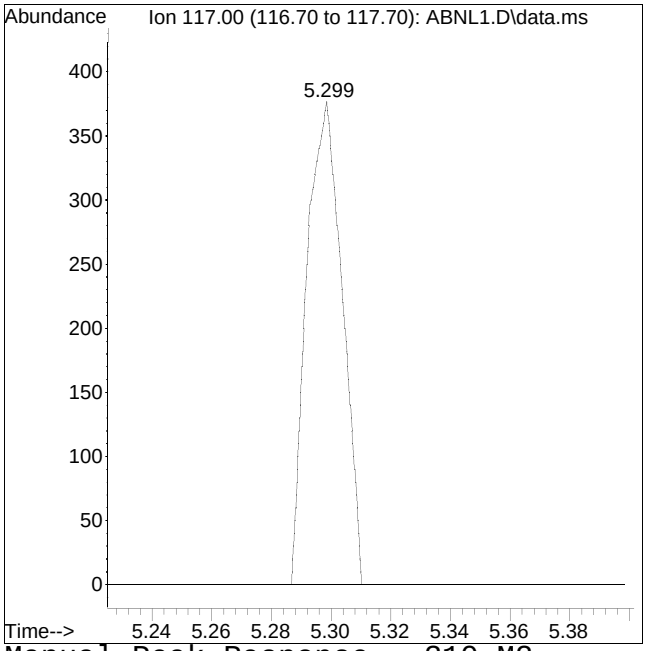
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #16: Hexachloroethane



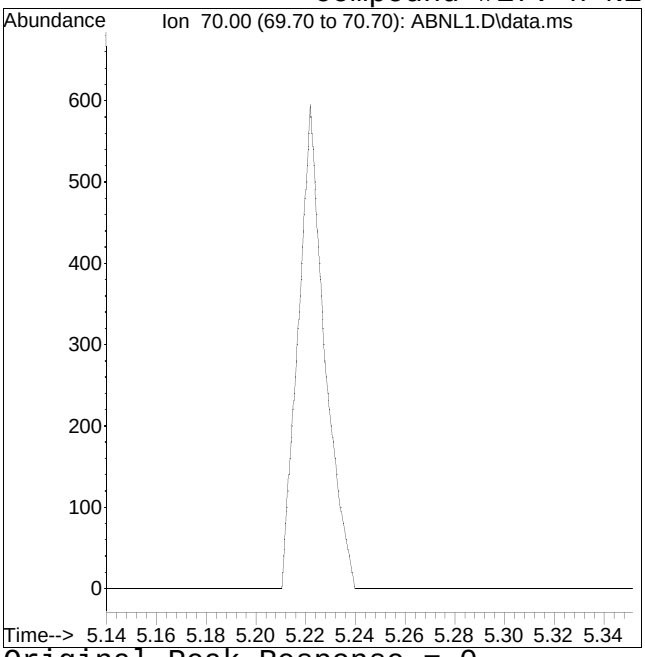


Original Peak Response = 0 Manual Peak Response = 310 M2
M2 = Peak not found by automatic integration algorithm.

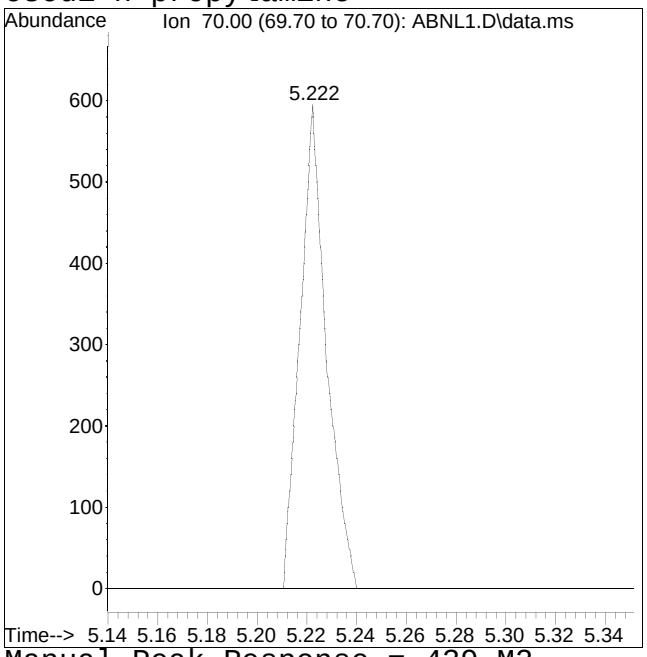
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0



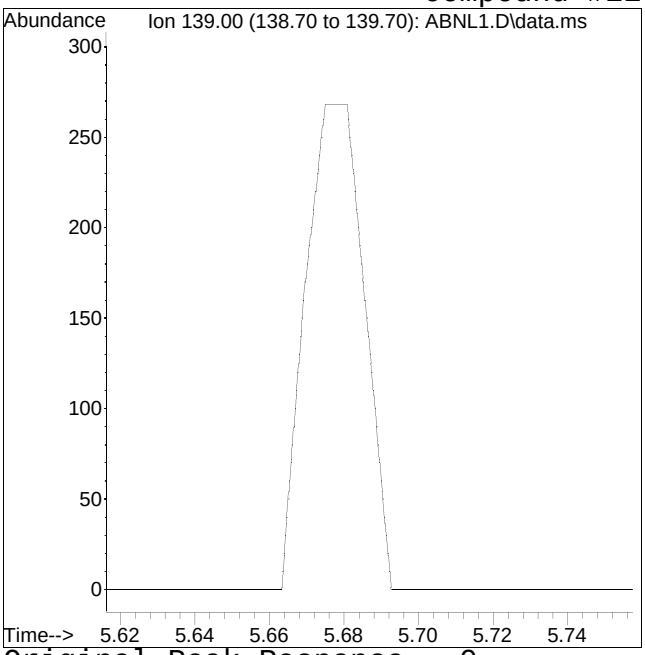
Manual Peak Response = 439 M2

M2 = Peak not found by automatic integration algorithm.

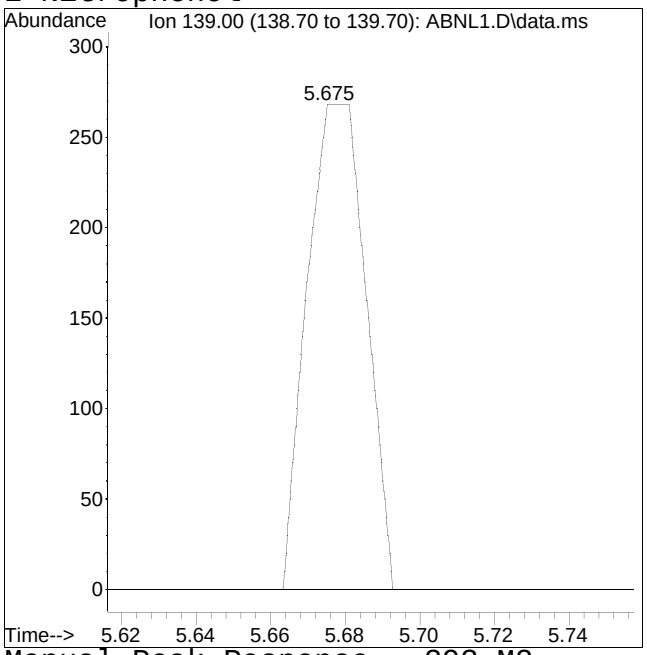
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0



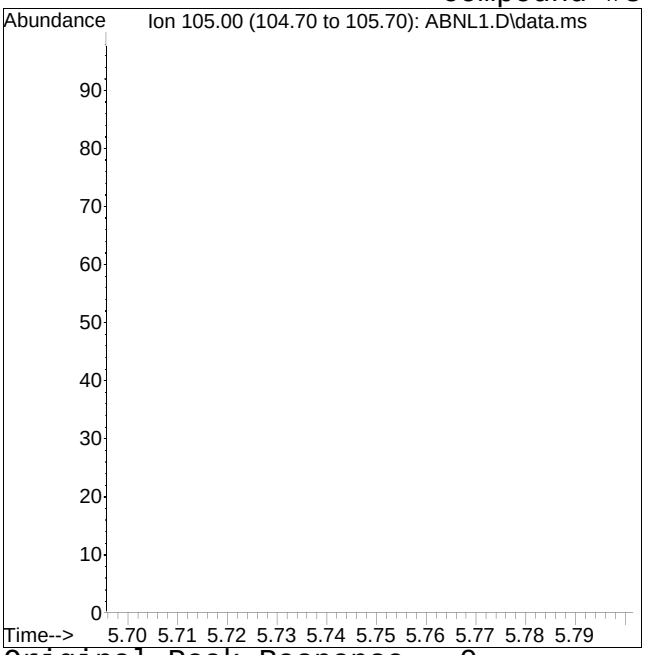
Manual Peak Response = 293 M2

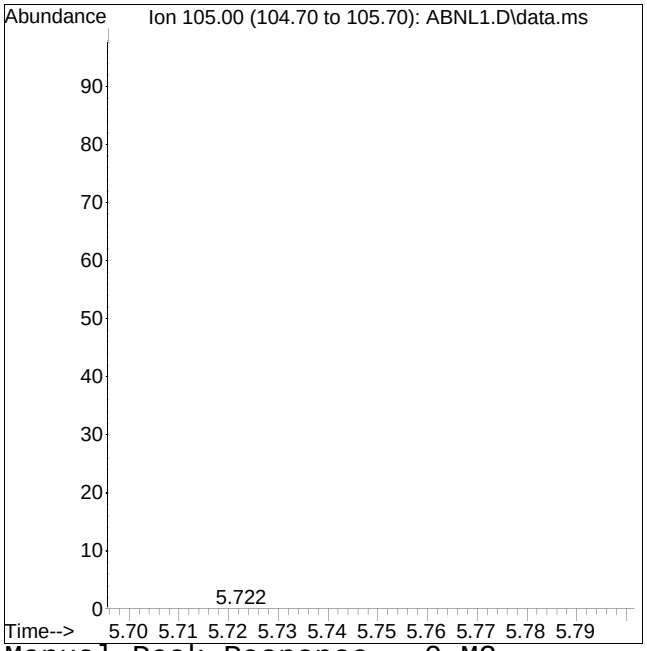
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #37: Benzoic Acid





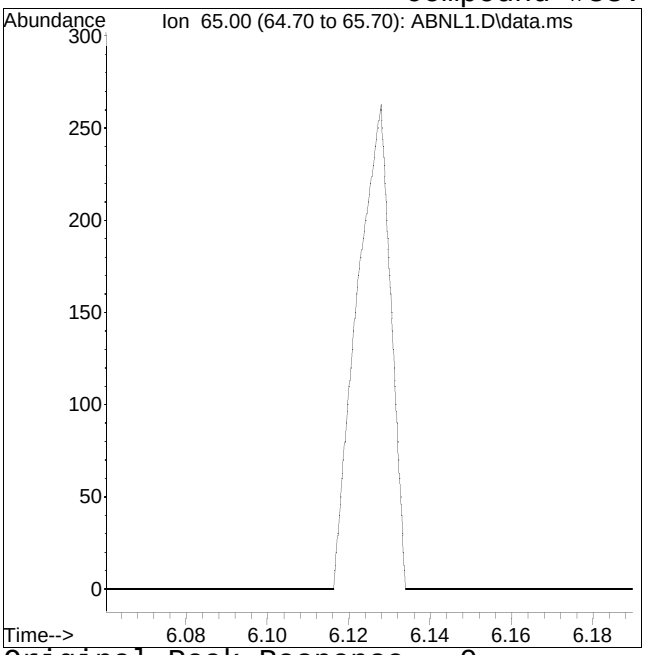
Original Peak Response = 0 Manual Peak Response = 0 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

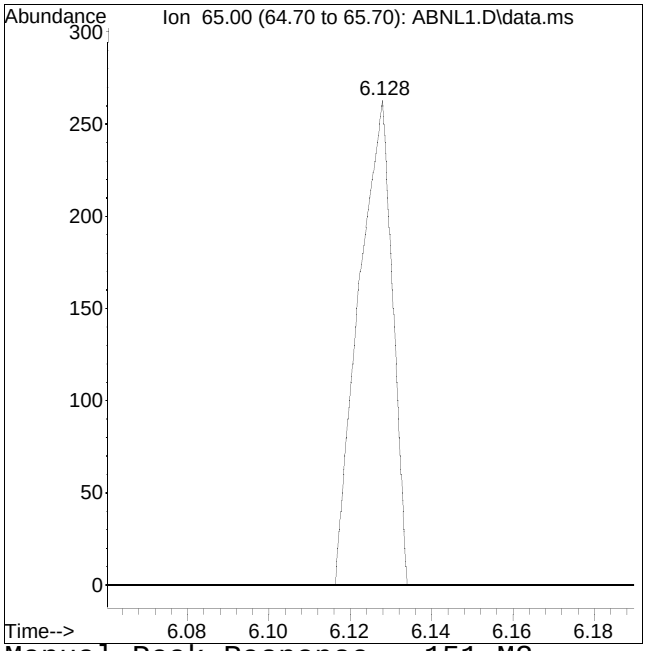
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



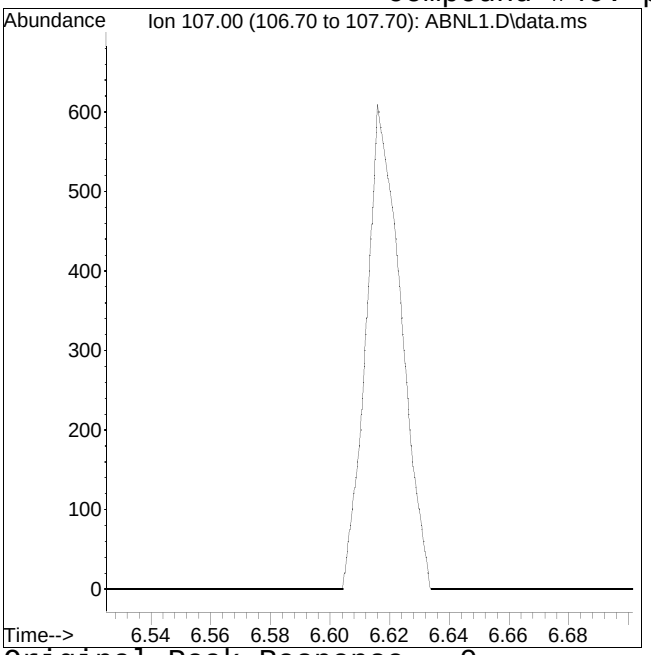
Manual Peak Response = 151 M2

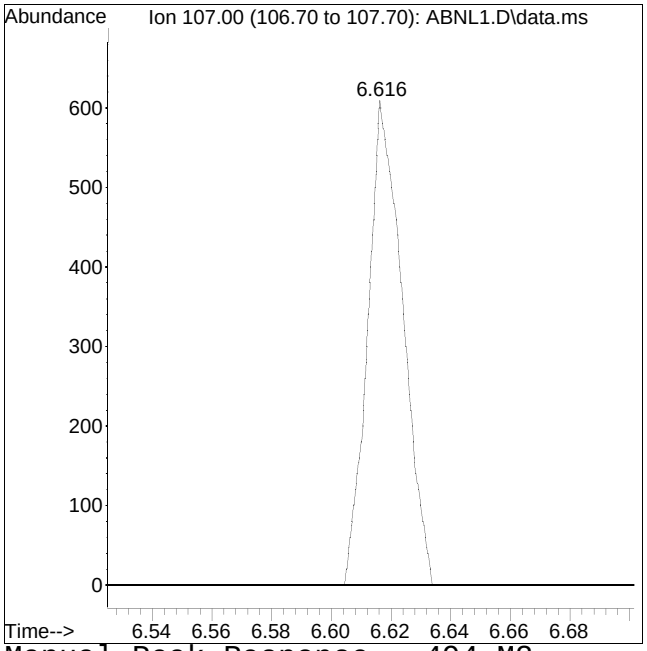
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #40: p-Chloro-m-cresol



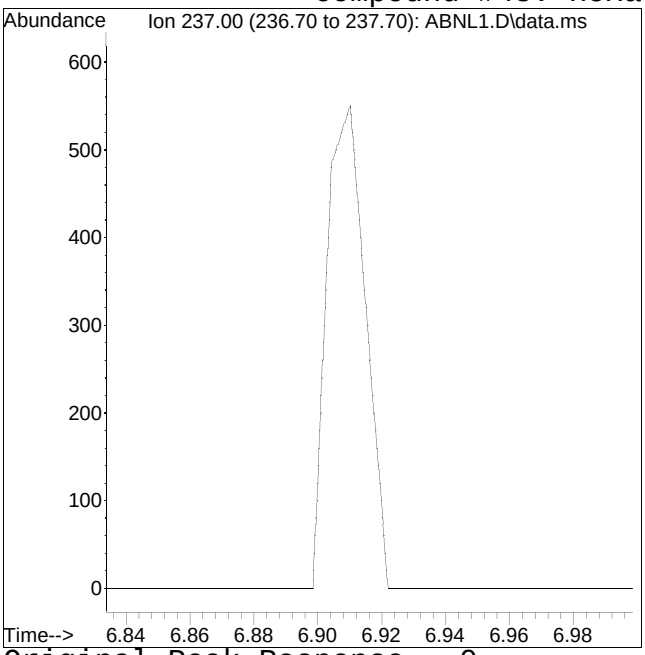


Original Peak Response = 0 Manual Peak Response = 494 M2
M2 = Peak not found by automatic integration algorithm.

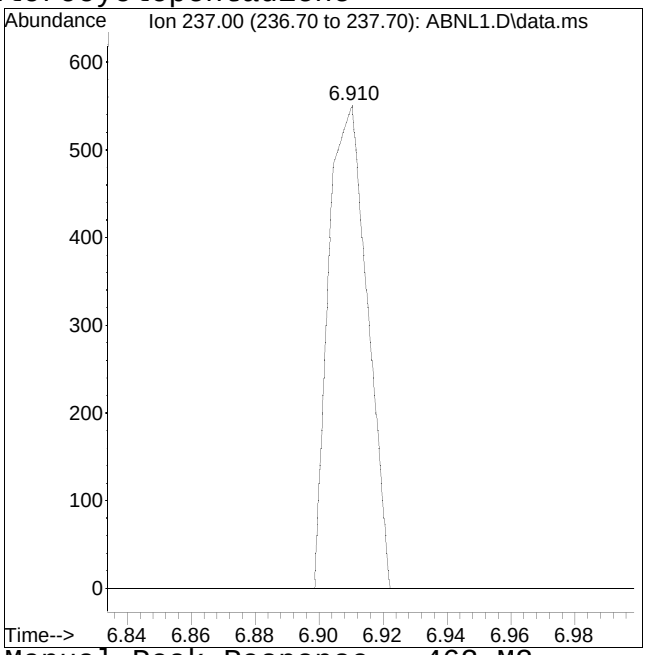
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0



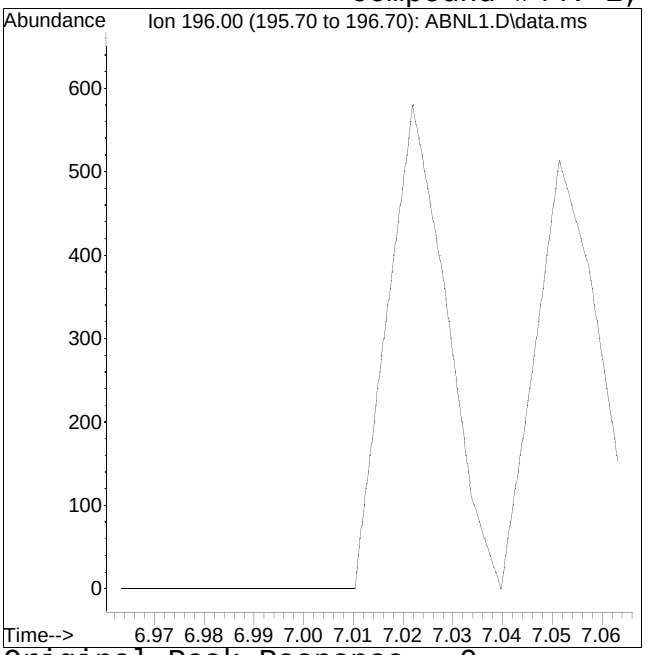
Manual Peak Response = 462 M2

M2 = Peak not found by automatic integration algorithm.

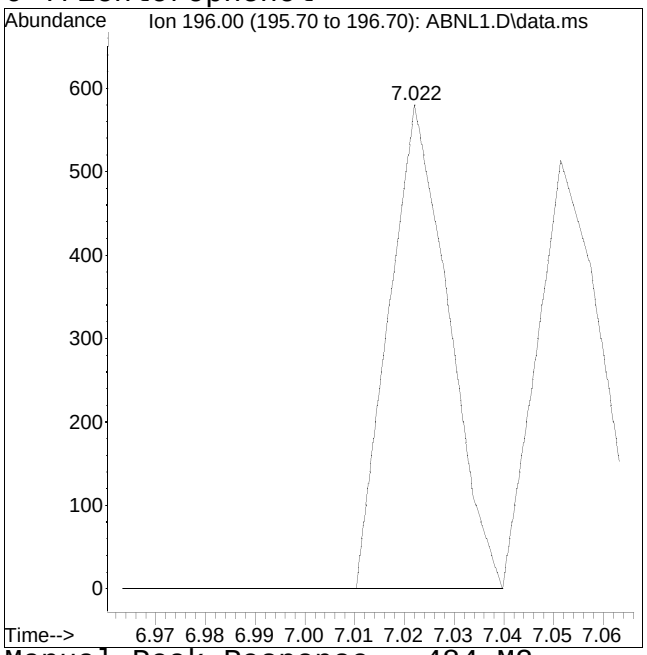
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 0



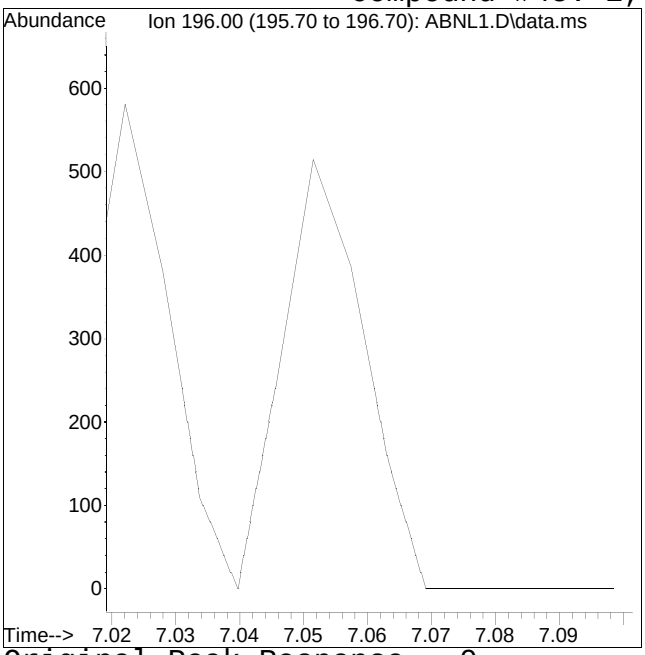
Manual Peak Response = 484 M2

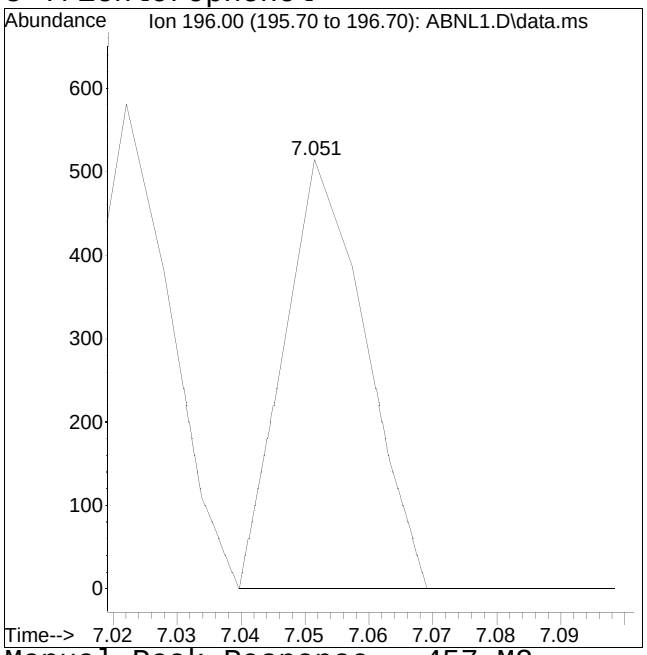
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol



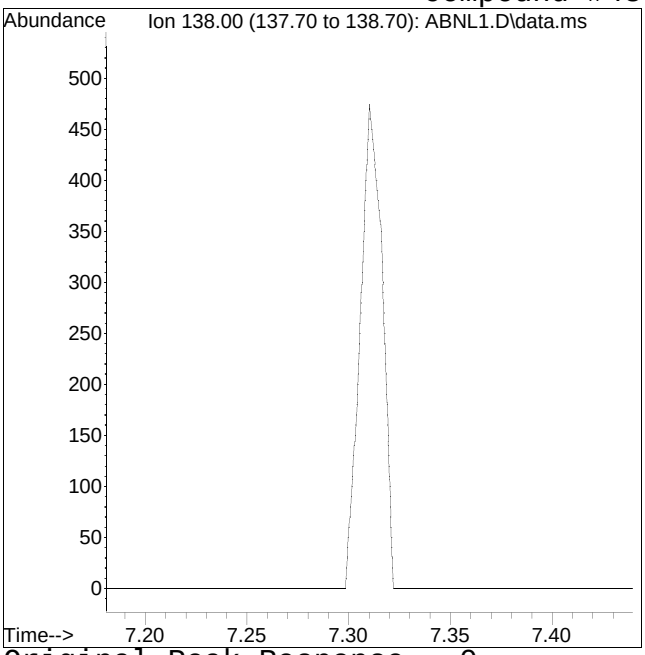


Original Peak Response = 0 Manual Peak Response = 457 M2
M2 = Peak not found by automatic integration algorithm.

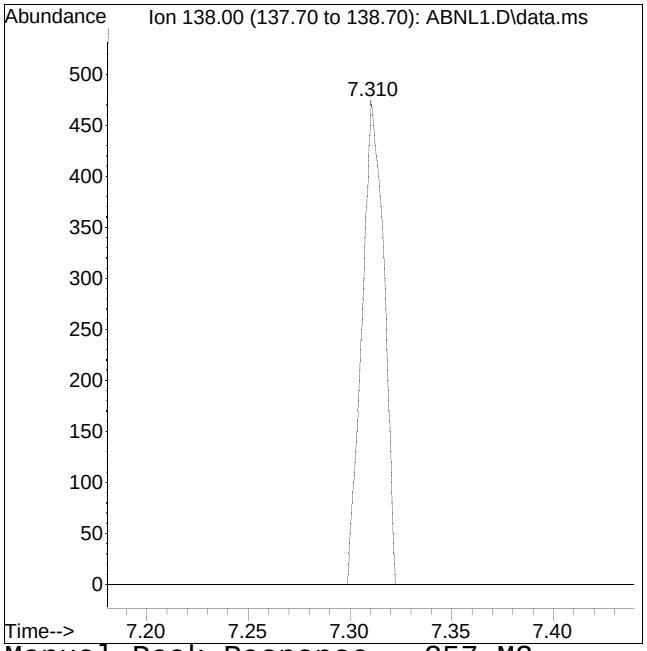
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



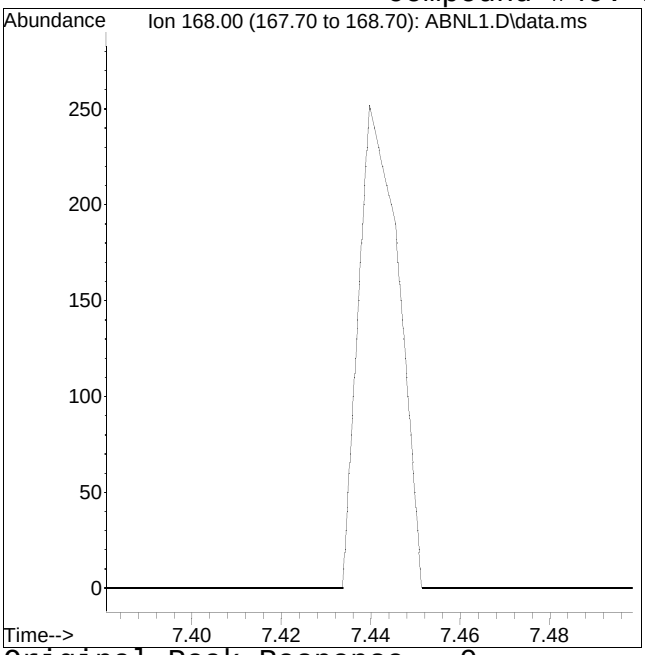
Manual Peak Response = 357 M2

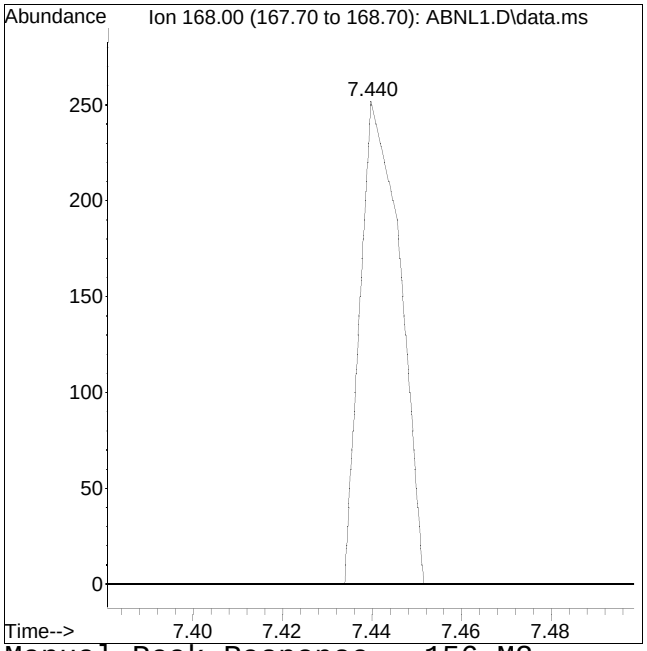
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



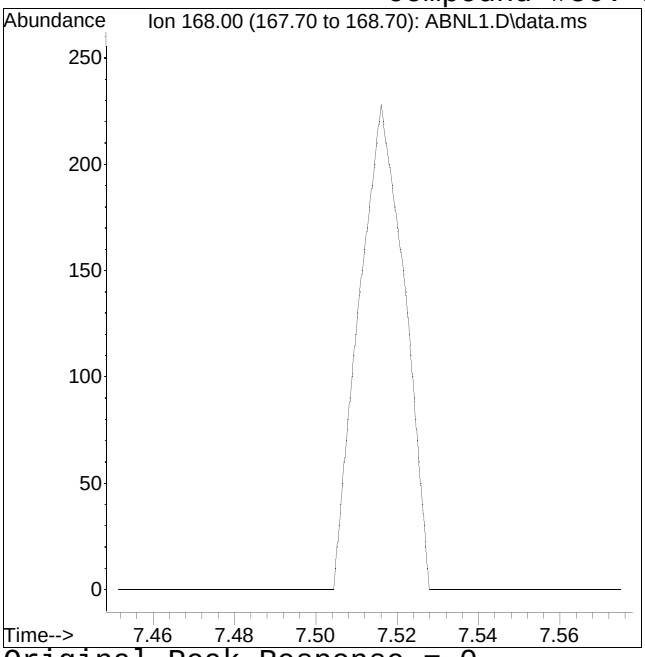


Original Peak Response = 0 Manual Peak Response = 156 M2
M2 = Peak not found by automatic integration algorithm.

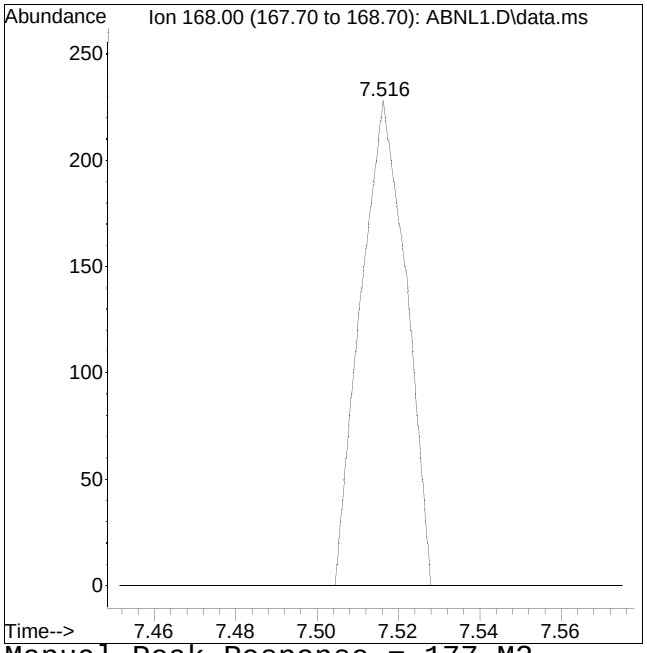
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



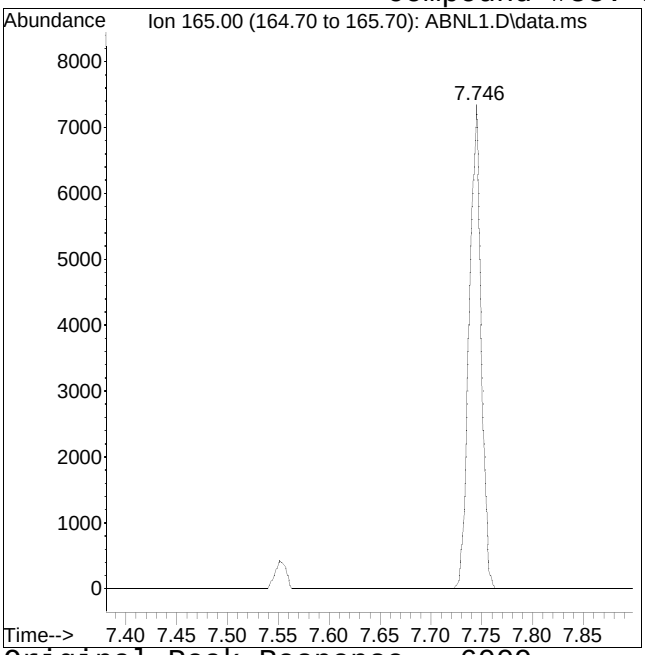
Manual Peak Response = 177 M2

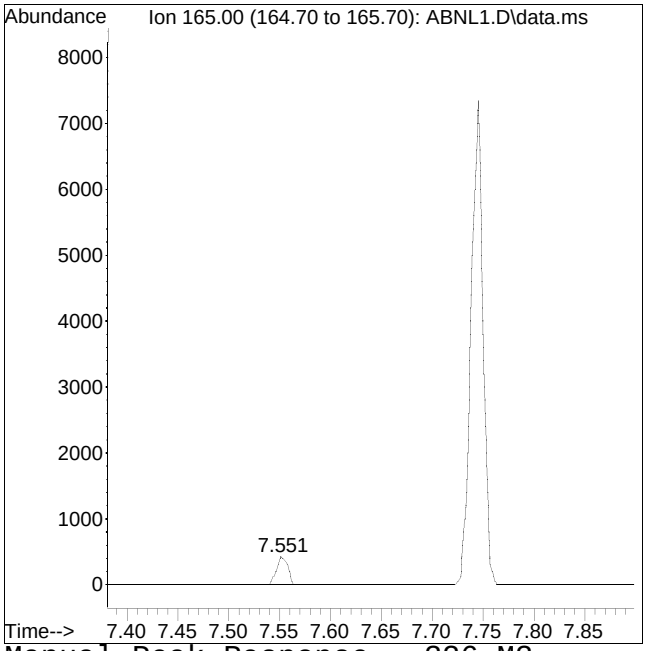
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #53: 2,6-Dinitrotoluene





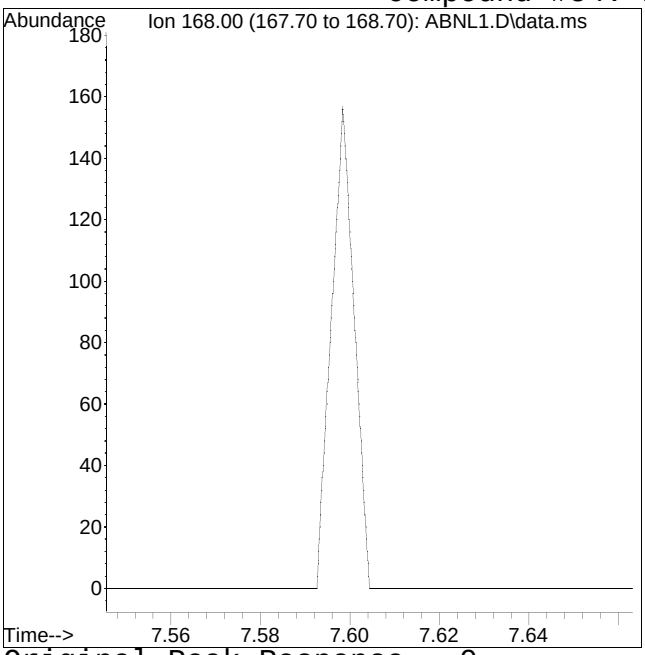
Original Peak Response = 6009 Manual Peak Response = 326 M3

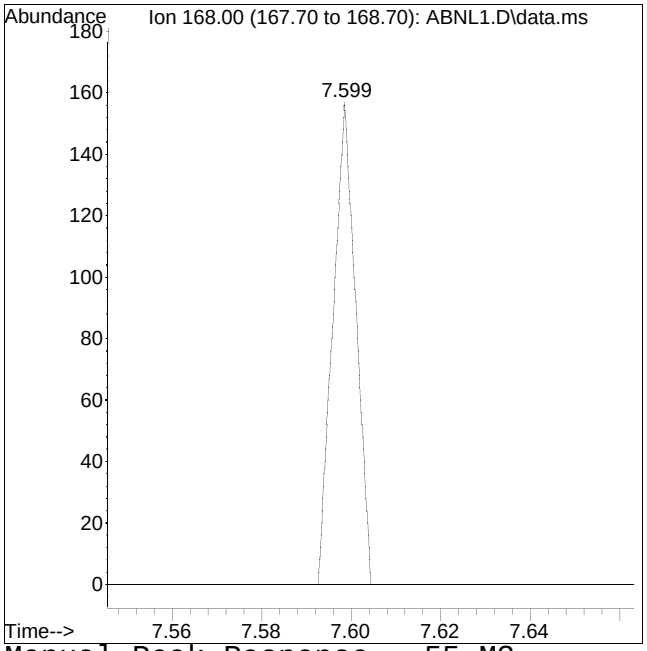
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene



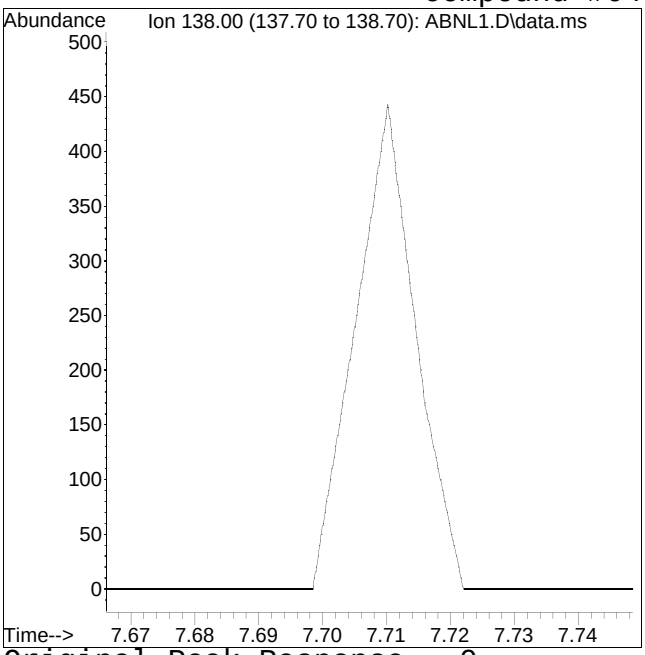


Original Peak Response = 0 Manual Peak Response = 55 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

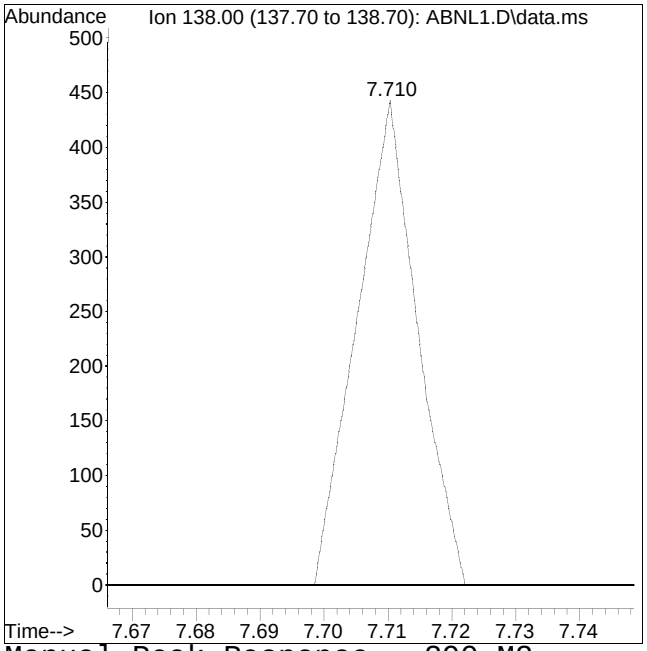
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0



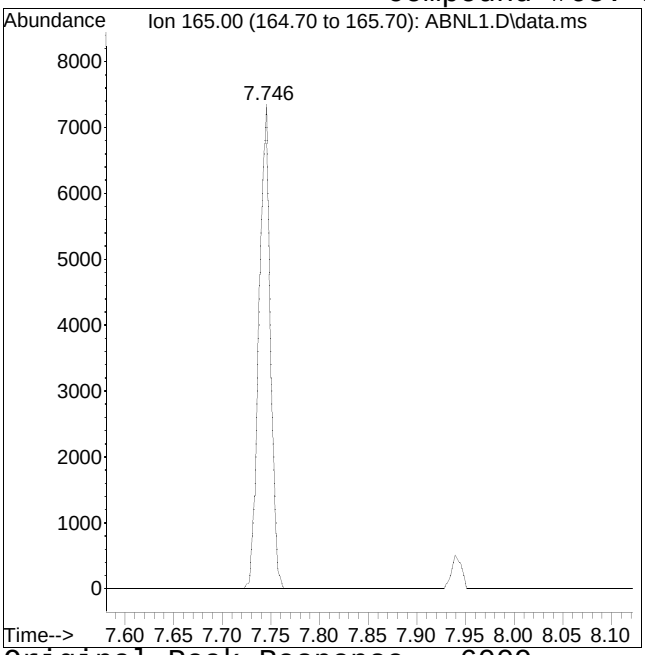
Manual Peak Response = 290 M2

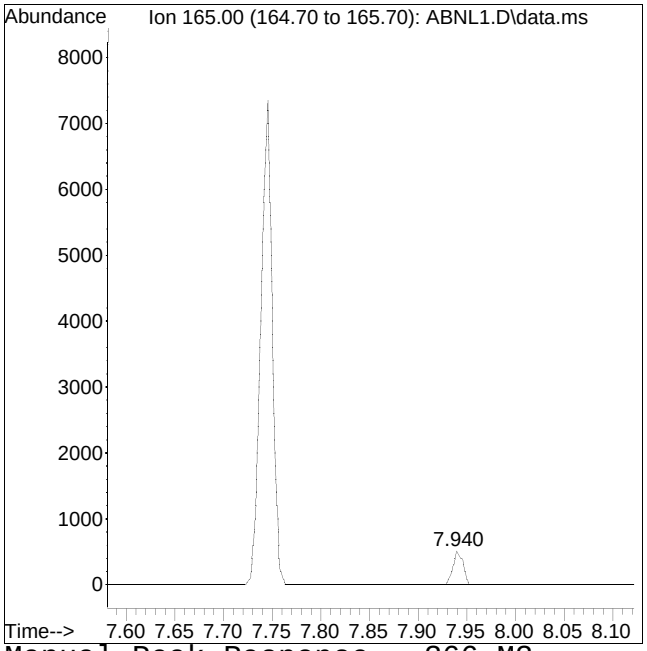
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #68: 2,4-Dinitrotoluene





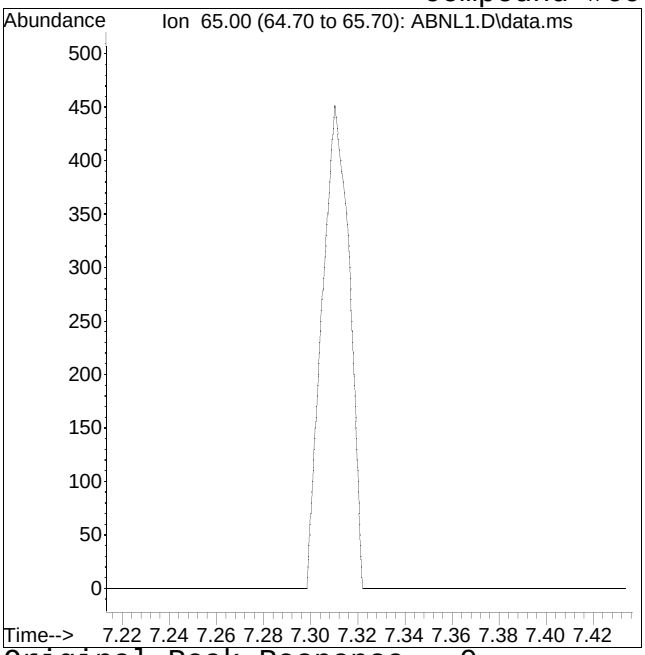
Original Peak Response = 6009 Manual Peak Response = 366 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

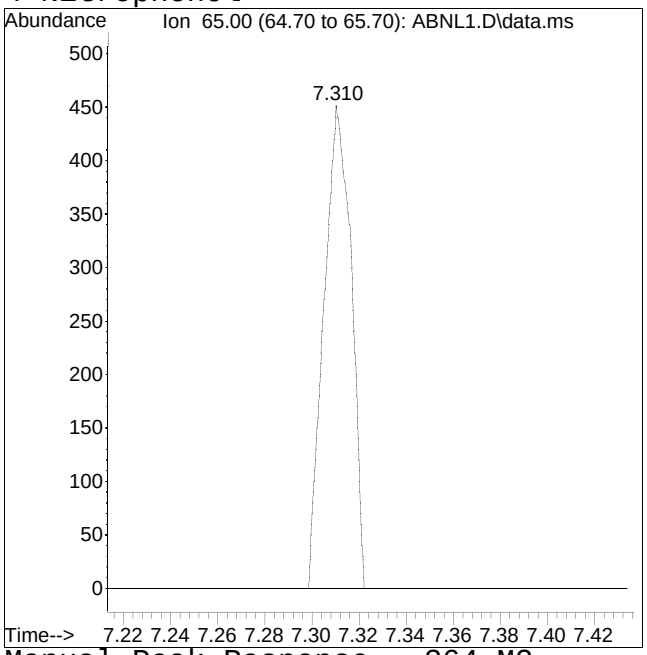
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



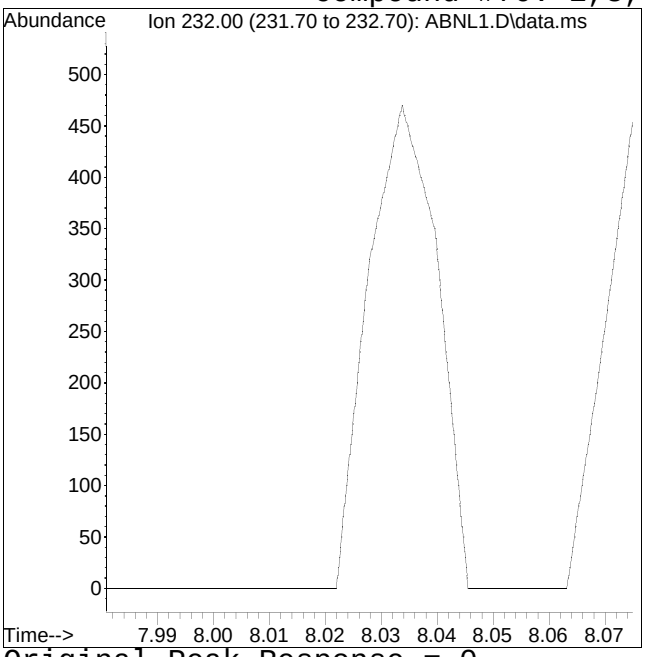
Manual Peak Response = 364 M2

M2 = Peak not found by automatic integration algorithm.

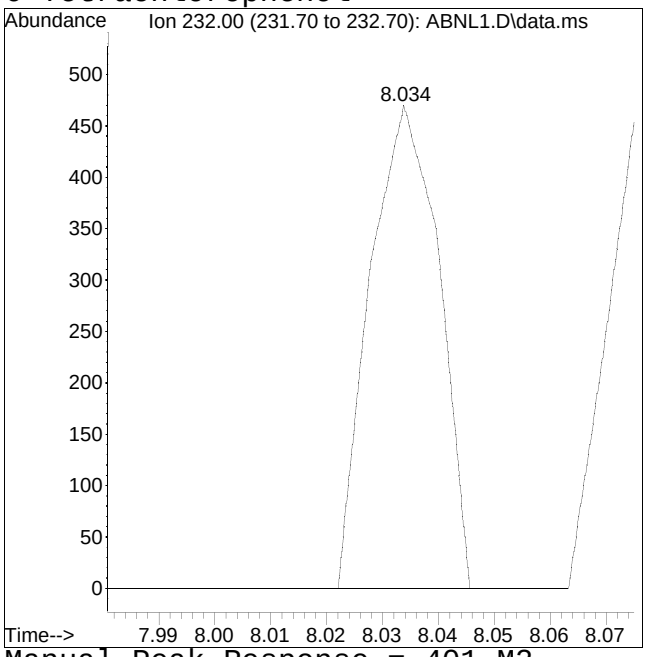
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0



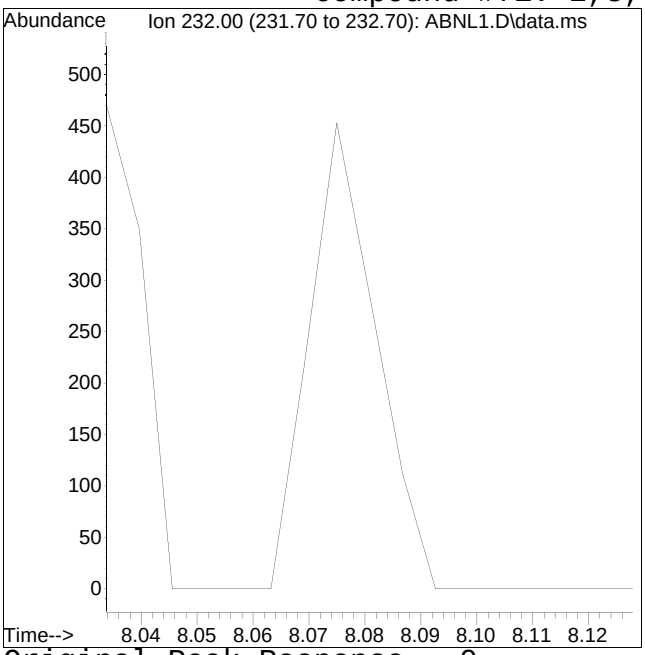
Manual Peak Response = 401 M2

M2 = Peak not found by automatic integration algorithm.

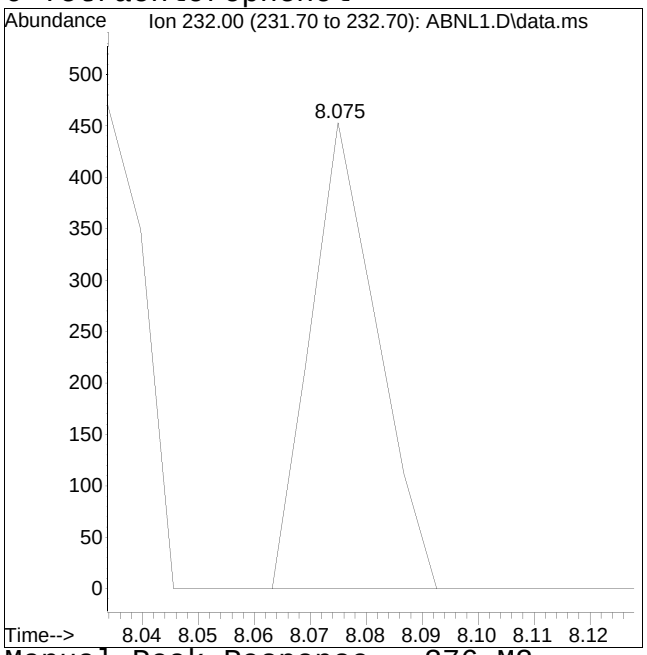
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



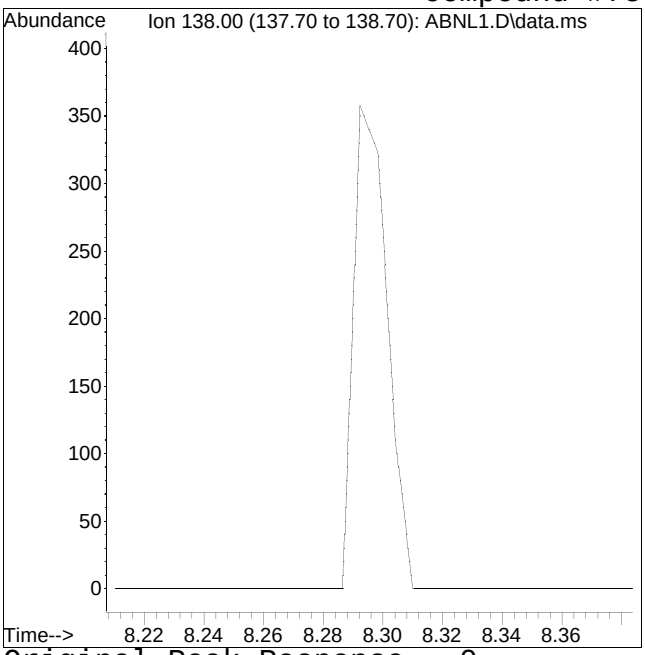
Manual Peak Response = 376 M2

M2 = Peak not found by automatic integration algorithm.

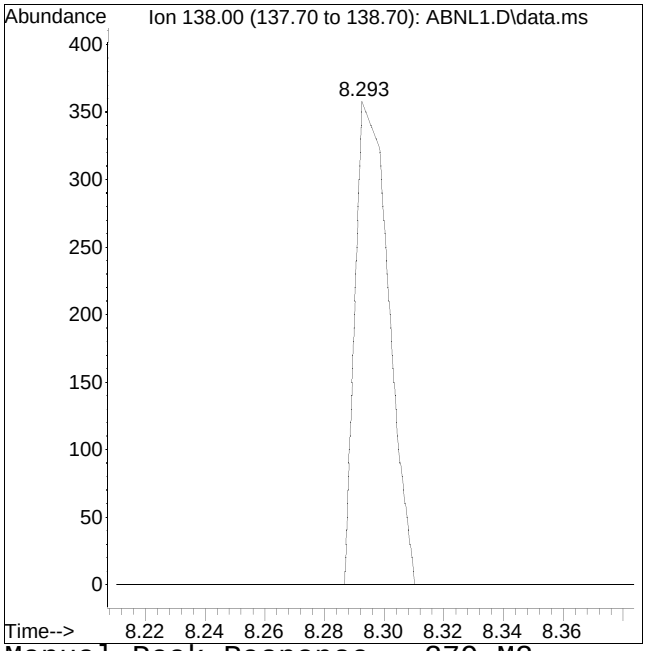
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



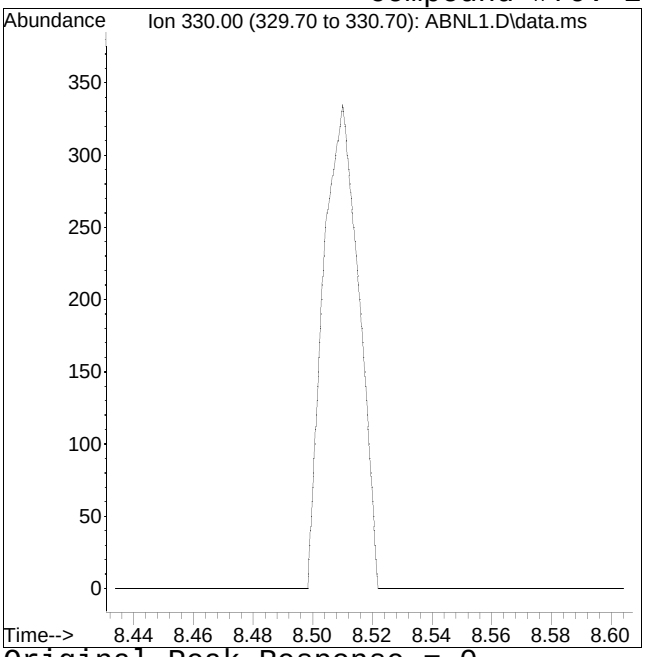
Manual Peak Response = 279 M2

M2 = Peak not found by automatic integration algorithm.

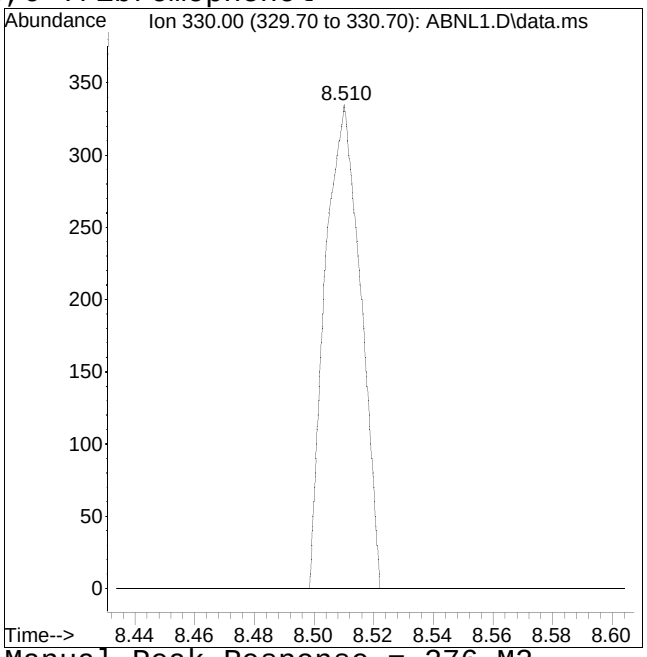
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



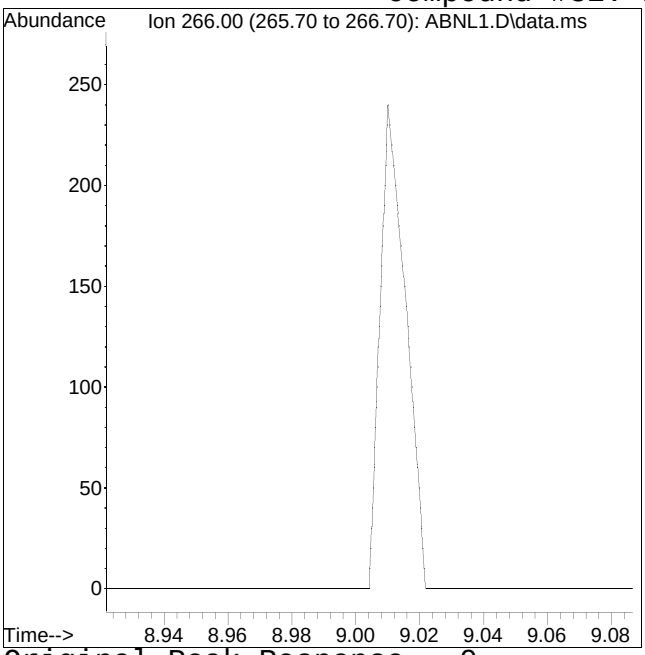
Manual Peak Response = 276 M2

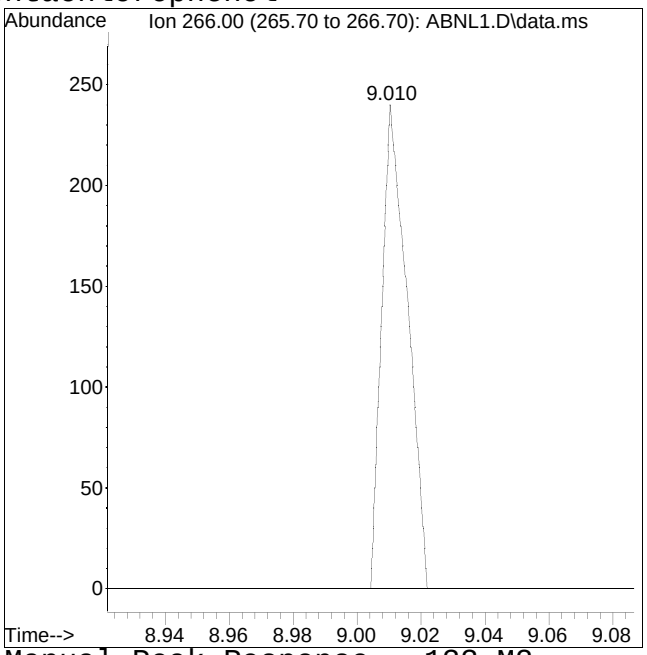
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #82: Pentachlorophenol



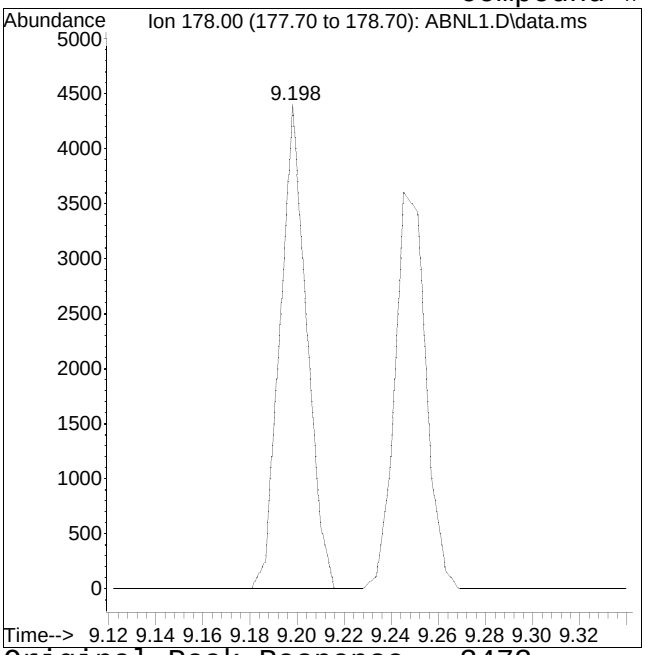


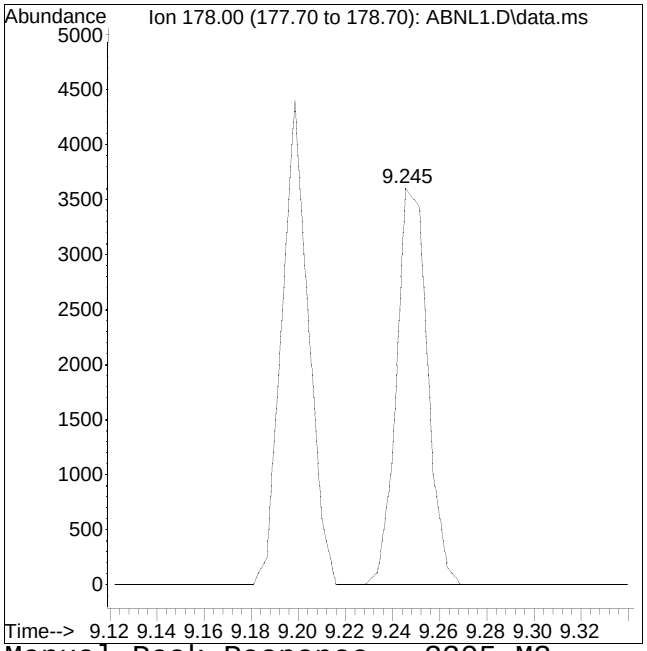
Original Peak Response = 0 Manual Peak Response = 133 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #90: Anthracene





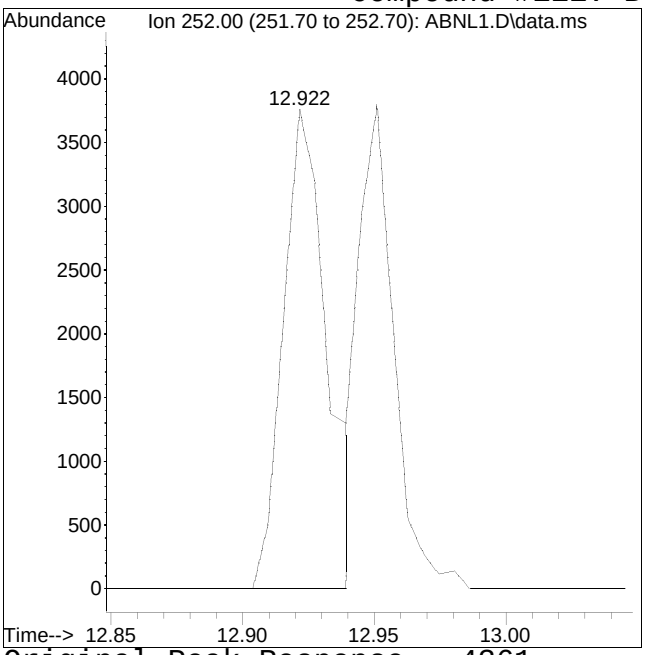
Original Peak Response = 3473 Manual Peak Response = 3305 M3

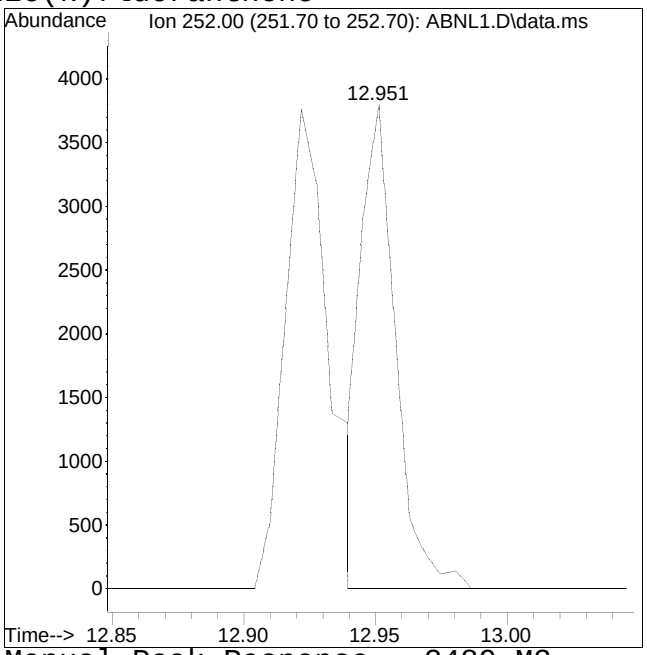
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene



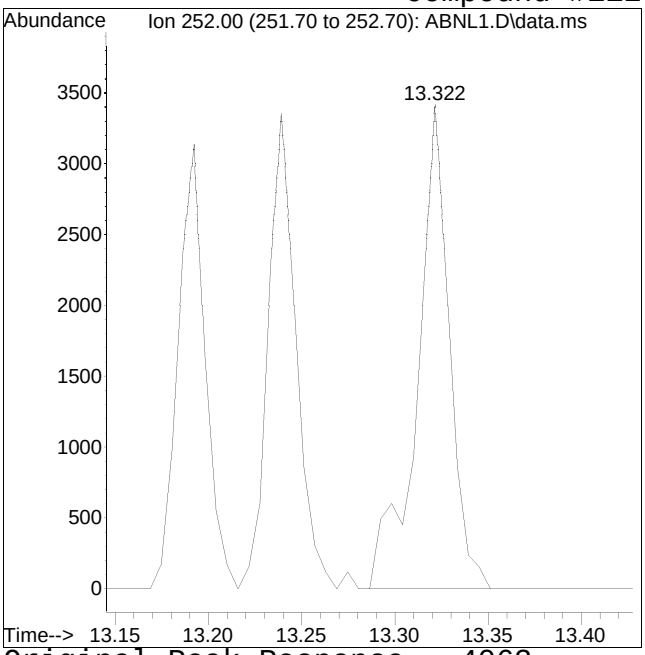


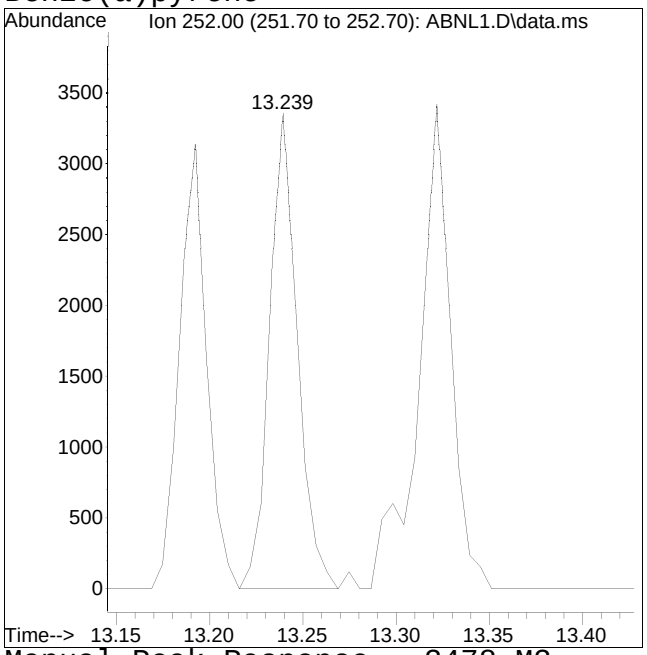
Original Peak Response = 4361 Manual Peak Response = 3489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #112: Benzo(a)pyrene



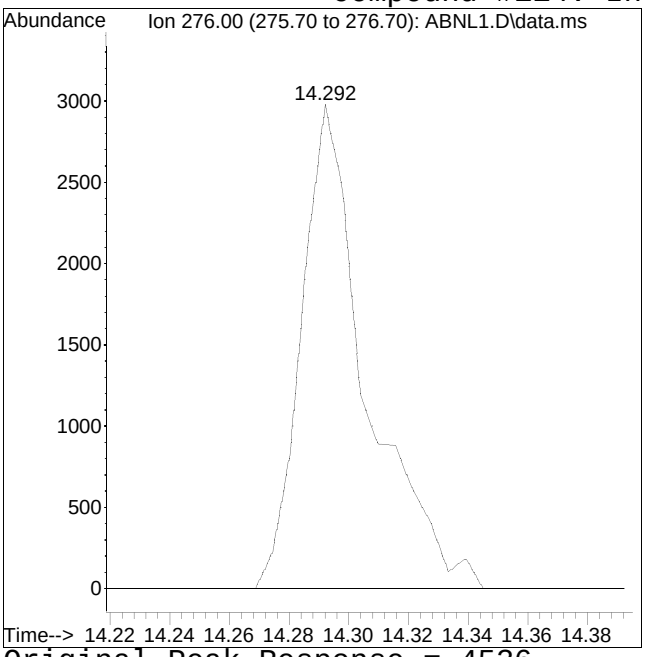


Original Peak Response = 4063 Manual Peak Response = 3478 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

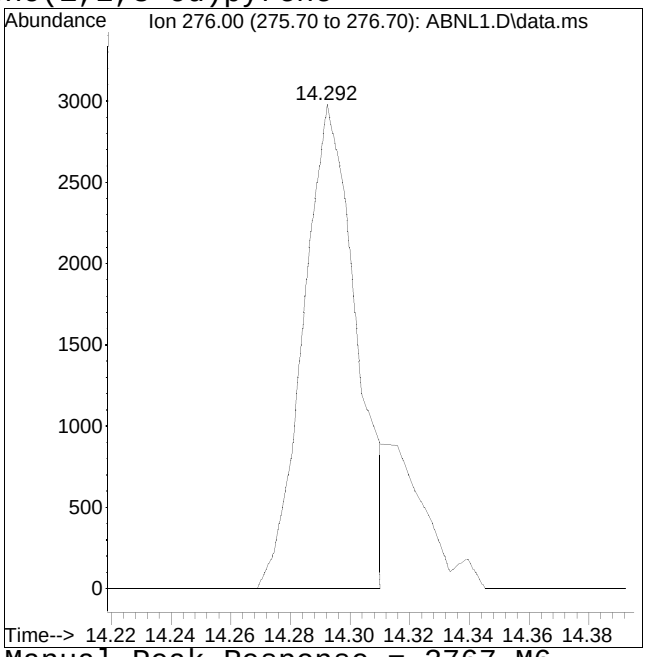
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4536



Manual Peak Response = 3767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	22492	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery =	105.96%		
55) IS2_Naphthalene-d8	6.040	136	90198	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery =	110.06%		
83) IS2_Acenaphthene-d10	7.746	164	57949	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery =	111.88%		
98) IS2_Phenanthrene-d10	9.181	188	134679	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery =	113.98%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	323089	52.545	ug/ml	100
29) Acetophenone	5.205	105	569164	53.186	ug/ml	98
30) m-Toluidine	5.287	106	575073	55.939	ug/ml	98
31) 2-Chloroaniline	5.646	127	523726	53.474	ug/ml	98
56) a-Terpineol	6.099	59	349417	55.891	ug/ml	90
57) 3-Chloroaniline	6.110	65	189402	55.923	ug/ml	99
58) 2,6-Dichlorophenol	6.140	162	417756	56.797	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.393	111	189585	58.701	ug/ml	94
60) Caprolactam	6.452	55	206621	50.610	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	6.910	216	538717	49.859	ug/ml	99
62) Biphenyl	7.199	154	1054299	45.553	ug/ml#	88
84) Dichloran	8.881	206	195131	51.538	ug/ml#	69
85) Pentachloronitrobenzene	9.028	237	204094	60.012	ug/ml#	81
99) Diphenamid	10.087	167	939537	54.186	ug/ml	82

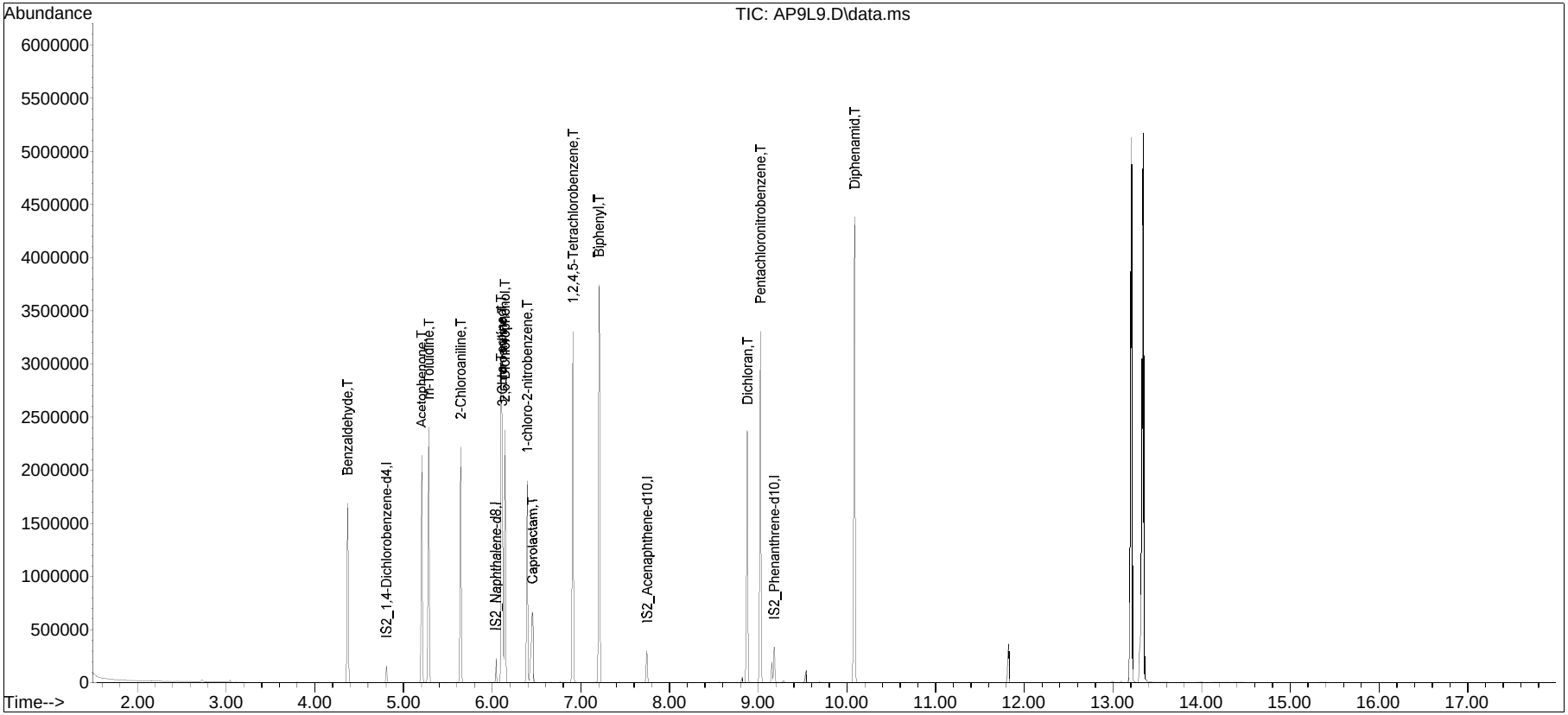
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L9.D	Operator	: SV112:mrg
Date Inj'd	: 6/25/2024 11:47 pm	Instrument	: SV112
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	22044	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery =	103.85%		
55) IS2_Naphthalene-d8	6.040	136	85892	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery =	104.81%		
83) IS2_Acenaphthene-d10	7.746	164	54696	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery =	105.60%		
98) IS2_Phenanthrene-d10	9.175	188	127626	4.000	ug/ml #	0.00
Standard Area 1 = 118160			Recovery =	108.01%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	160147	26.574	ug/ml	100
29) Acetophenone	5.199	105	284383	27.114	ug/ml	98
30) m-Toluidine	5.281	106	281783	27.967	ug/ml	97
31) 2-Chloroaniline	5.646	127	257558	26.832	ug/ml	98
56) a-Terpineol	6.093	59	166526	27.972	ug/ml	91
57) 3-Chloroaniline	6.110	65	87285	27.064	ug/ml	96
58) 2,6-Dichlorophenol	6.140	162	196135	28.003	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.387	111	89474	29.092	ug/ml	95
60) Caprolactam	6.440	55	95511	24.807	ug/ml#	87
61) 1,2,4,5-Tetrachloroben...	6.910	216	261772	25.442	ug/ml	98
62) Biphenyl	7.199	154	553574	25.117	ug/ml	94
84) Dichloran	8.875	206	87560	24.834	ug/ml#	70
85) Pentachloronitrobenzene	9.028	237	92965	28.961	ug/ml#	82
99) Diphenamid	10.081	167	476415	28.995	ug/ml	84

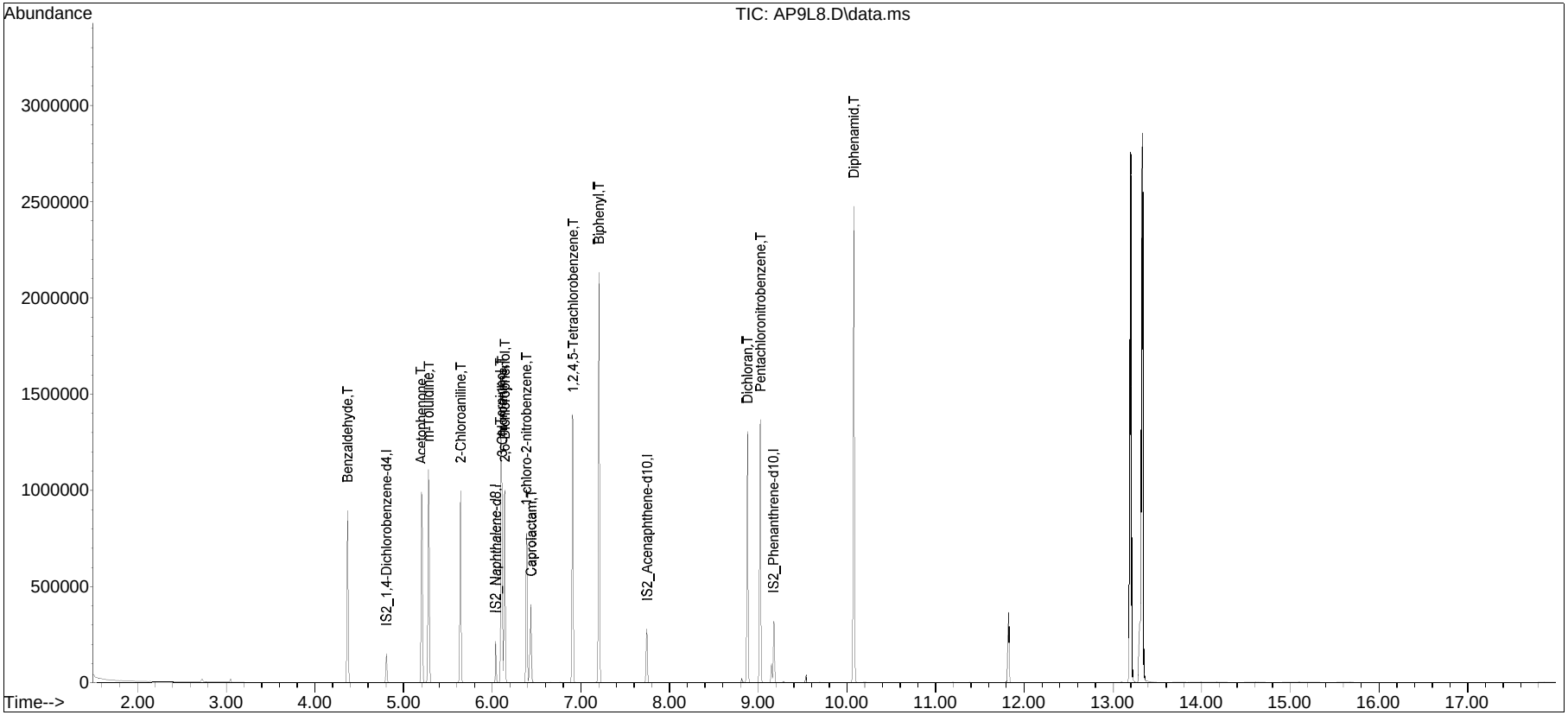
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:10 am	Instrument	: SV112
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20726	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.64%				
55) IS2_Naphthalene-d8	6.040	136	79494	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 97.00%				
83) IS2_Acenaphthene-d10	7.746	164	50641	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 97.77%				
98) IS2_Phenanthrene-d10	9.175	188	115182	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 97.48%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	60217	10.628	ug/ml		99
29) Acetophenone	5.199	105	106664	10.817	ug/ml		98
30) m-Toluidine	5.281	106	105202	11.105	ug/ml		97
31) 2-Chloroaniline	5.646	127	97569	10.811	ug/ml		99
56) a-Terpineol	6.093	59	59466	10.793	ug/ml		92
57) 3-Chloroaniline	6.105	65	31462	10.540	ug/ml		92
58) 2,6-Dichlorophenol	6.134	162	72744	11.222	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	32101	11.278	ug/ml		94
60) Caprolactam	6.422	55	34523	9.973	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	97989	10.290	ug/ml		97
62) Biphenyl	7.199	154	211768	10.382	ug/ml		97
84) Dichloran	8.869	206	28506	9.143	ug/ml	#	71
85) Pentachloronitrobenzene	9.022	237	31153	10.482	ug/ml	#	83
99) Diphenamid	10.081	167	166343	11.217	ug/ml		85

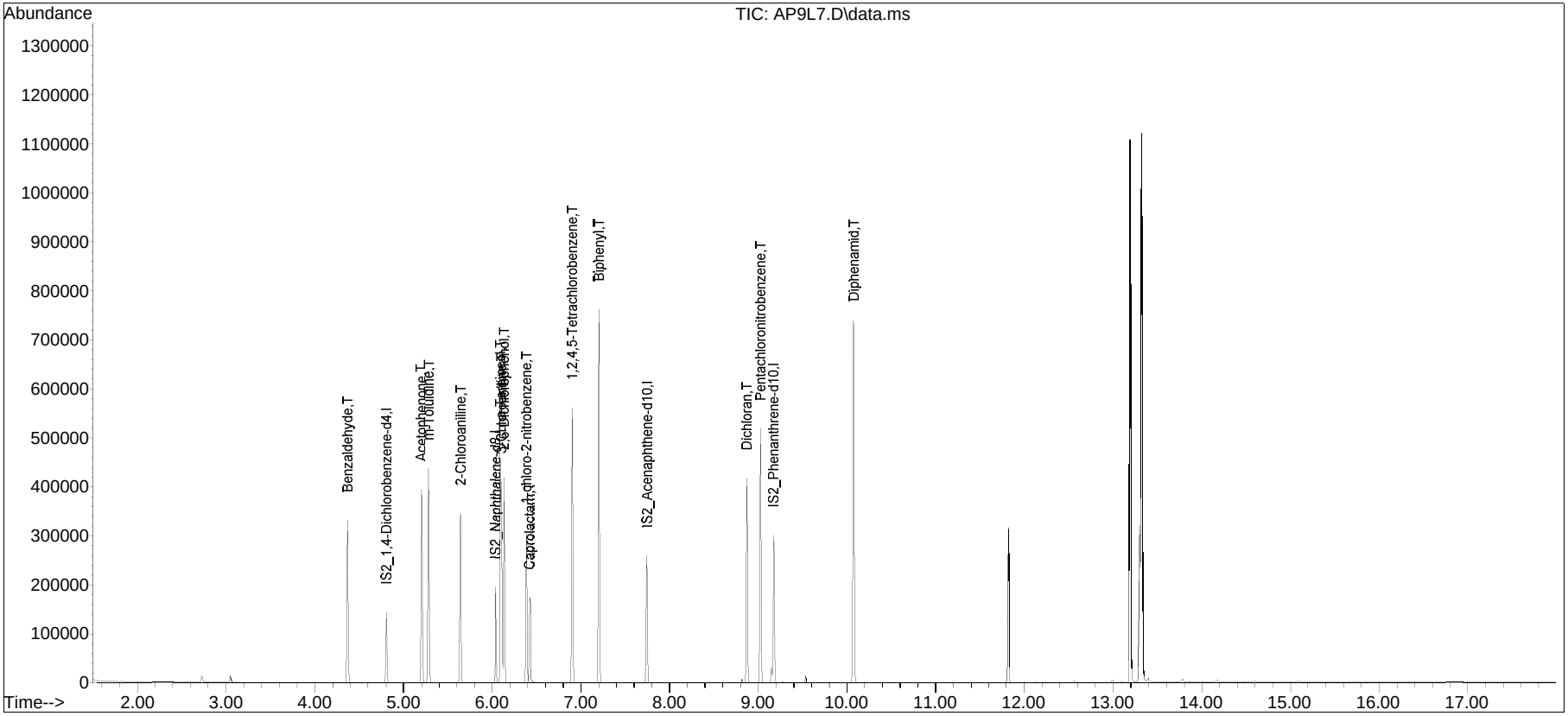
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:33 am	Instrument	: SV112
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	21226	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 100.00%				
55) IS2_Naphthalene-d8	6.040	136	81952	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 100.00%				
83) IS2_Acenaphthene-d10	7.746	164	51795	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 100.00%				
98) IS2_Phenanthrene-d10	9.175	188	118160	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	28710	4.948	ug/ml		98
29) Acetophenone	5.199	105	53018	5.250	ug/ml		97
30) m-Toluidine	5.281	106	50941	5.251	ug/ml		96
31) 2-Chloroaniline	5.646	127	47349	5.123	ug/ml		99
56) a-Terpineol	6.093	59	28592	5.034	ug/ml		92
57) 3-Chloroaniline	6.104	65	15255	4.957	ug/ml		89
58) 2,6-Dichlorophenol	6.134	162	34304	5.133	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	14944	5.093	ug/ml		96
60) Caprolactam	6.422	55	15831	4.695	ug/ml		90
61) 1,2,4,5-Tetrachloroben...	6.904	216	48563	4.947	ug/ml		97
62) Biphenyl	7.199	154	104269	4.958	ug/ml		97
84) Dichloran	8.869	206	12834	4.379	ug/ml	#	72
85) Pentachloronitrobenzene	9.022	237	14603	4.804	ug/ml	#	81
99) Diphenamid	10.075	167	78562	5.164	ug/ml		85

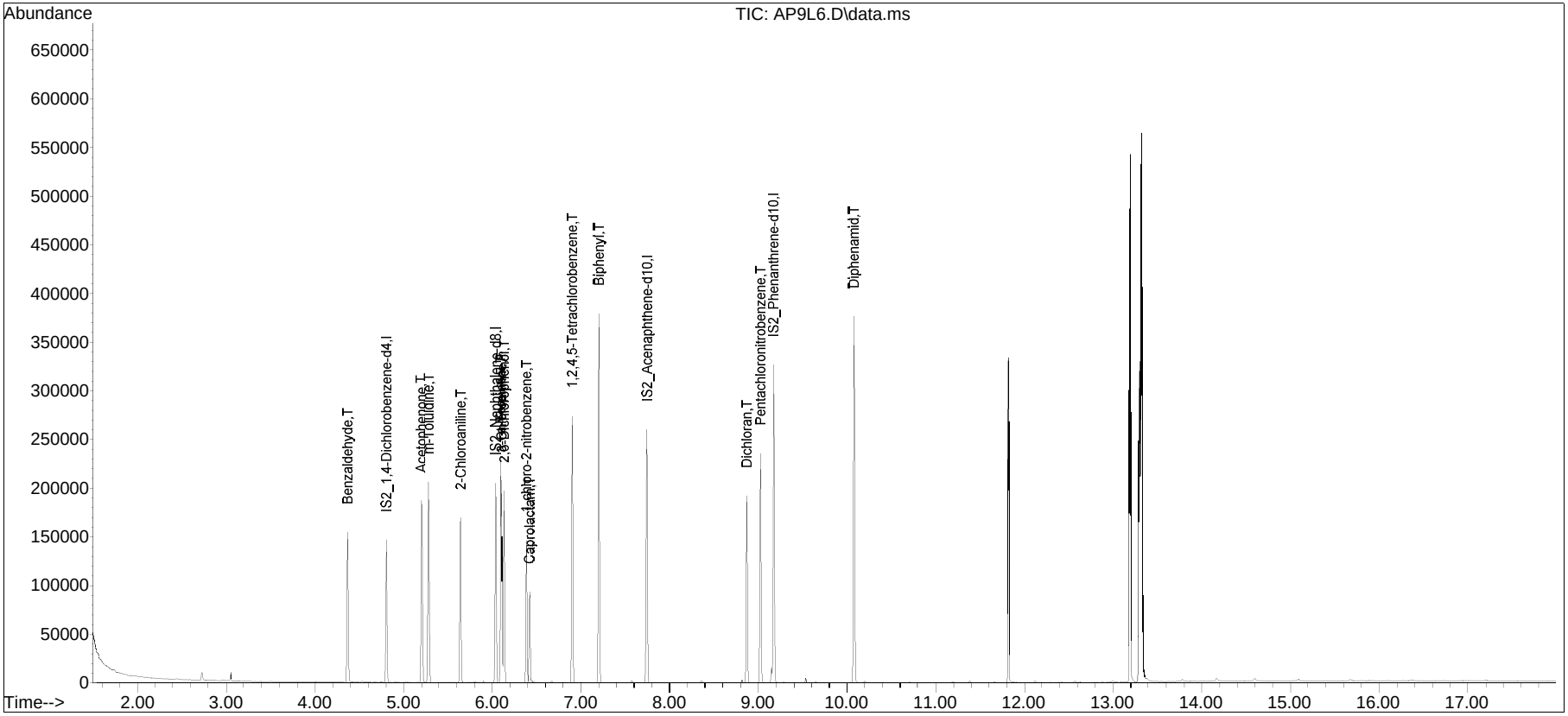
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:56 am	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20752	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.77%				
55) IS2_Naphthalene-d8	6.040	136	79357	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 96.83%				
83) IS2_Acenaphthene-d10	7.746	164	48252	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 93.16%				
98) IS2_Phenanthrene-d10	9.175	188	111263	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 94.16%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	14171	2.498	ug/ml		100
29) Acetophenone	5.199	105	24703	2.502	ug/ml		97
30) m-Toluidine	5.281	106	23505	2.478	ug/ml		98
31) 2-Chloroaniline	5.646	127	22742	2.517	ug/ml		98
56) a-Terpineol	6.093	59	13091	2.380	ug/ml		90
57) 3-Chloroaniline	6.105	65	7093	2.380	ug/ml		90
58) 2,6-Dichlorophenol	6.134	162	15715	2.428	ug/ml	#	89
59) 1-chloro-2-nitrobenzene	6.387	111	6601	2.323	ug/ml	#	93
60) Caprolactam	6.416	55	6499	2.259	ug/ml	#	88
61) 1,2,4,5-Tetrachloroben...	6.905	216	22878	2.407	ug/ml		95
62) Biphenyl	7.199	154	50391	2.475	ug/ml		98
84) Dichloran	8.869	206	5538	2.368	ug/ml	#	70
85) Pentachloronitrobenzene	9.022	237	6418	2.266	ug/ml	#	81
99) Diphenamid	10.075	167	34924	2.438	ug/ml		84

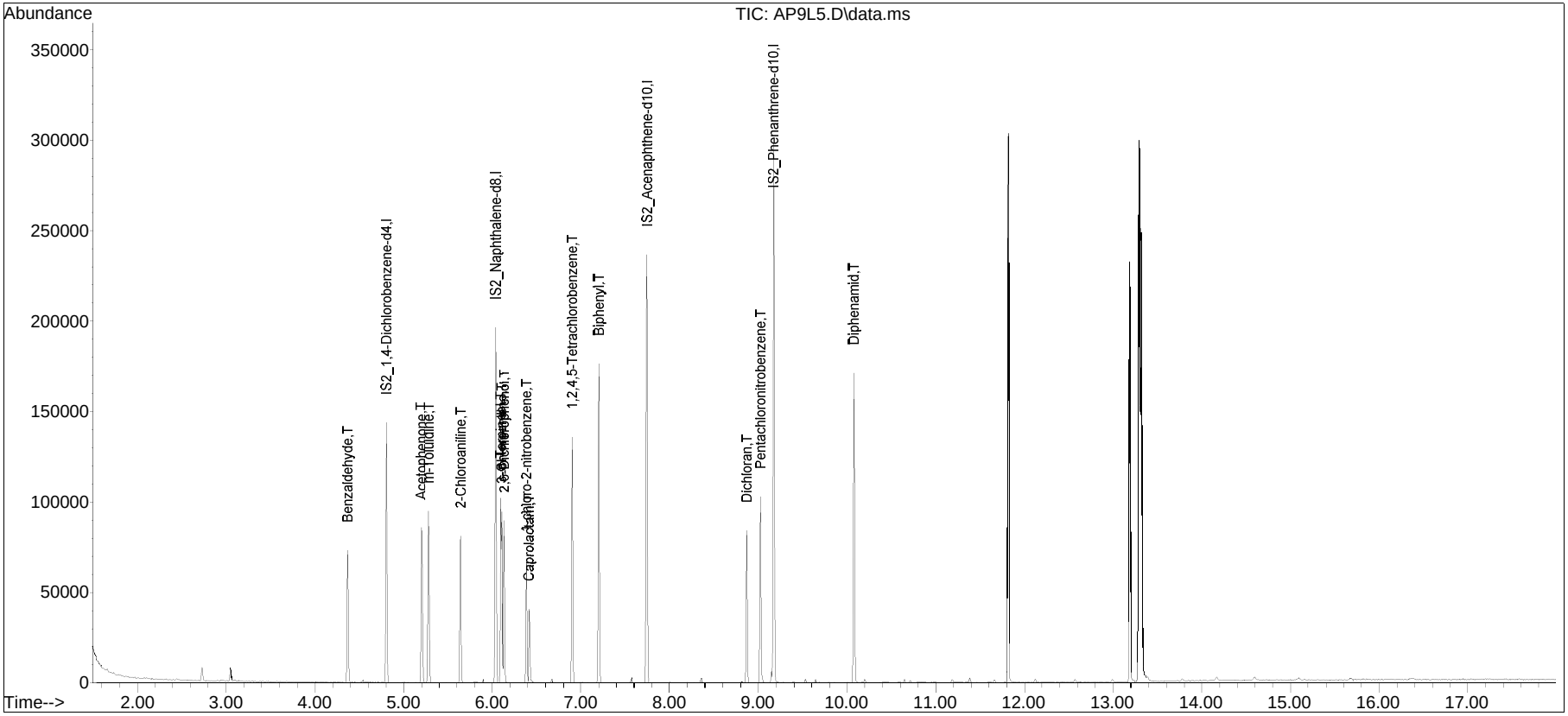
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:19 am	Instrument	: SV112
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

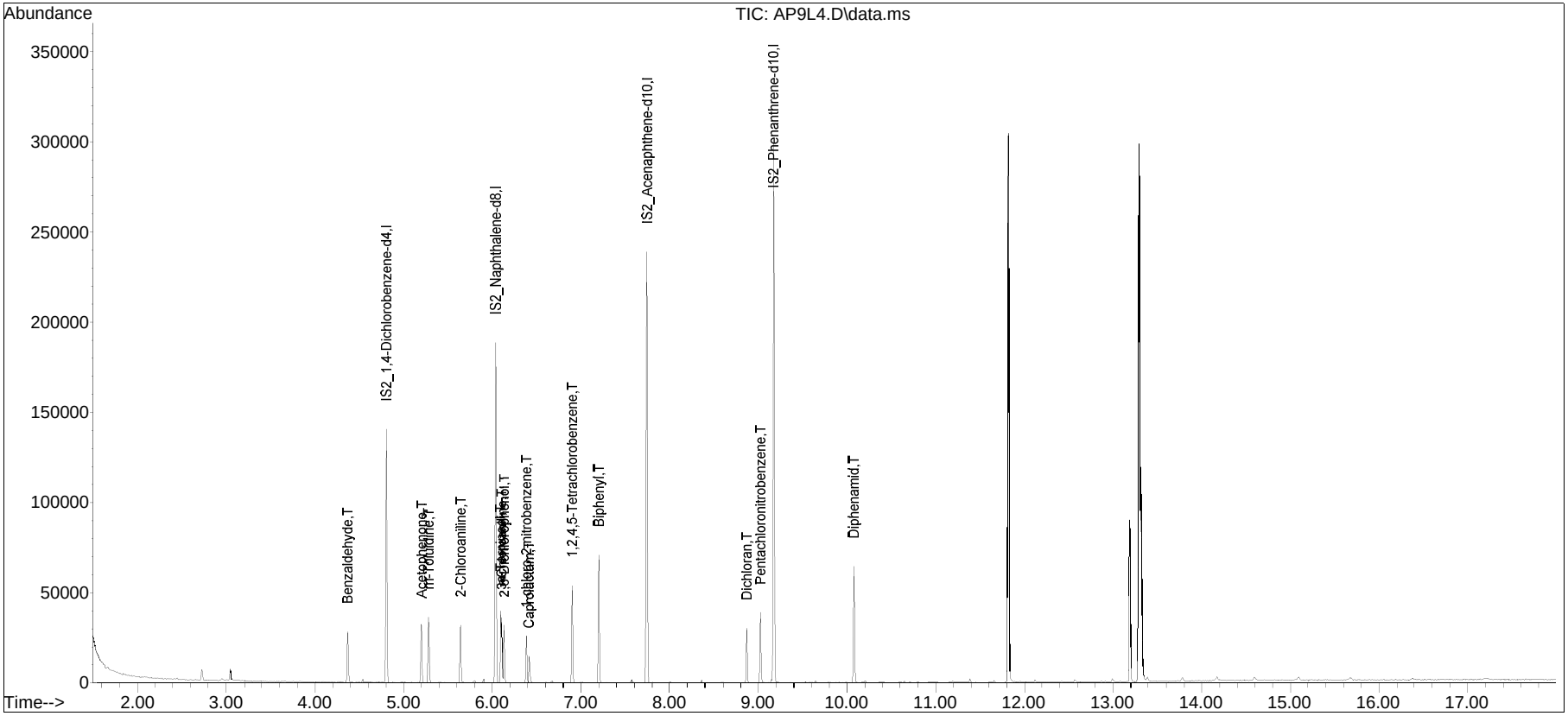
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20723	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.63%				
55) IS2_Naphthalene-d8	6.040	136	76626	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 93.50%				
83) IS2_Acenaphthene-d10	7.746	164	47603	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 91.91%				
98) IS2_Phenanthrene-d10	9.175	188	108646	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 91.95%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	5554	0.980	ug/ml		98
29) Acetophenone	5.205	105	9859	1.000	ug/ml		96
30) m-Toluidine	5.281	106	9225	0.974	ug/ml		98
31) 2-Chloroaniline	5.646	127	8758	0.971	ug/ml		99
56) a-Terpineol	6.093	59	5131	0.966	ug/ml		88
57) 3-Chloroaniline	6.105	65	2857	0.993	ug/ml		96
58) 2,6-Dichlorophenol	6.134	162	5787	0.926	ug/ml		90
59) 1-chloro-2-nitrobenzene	6.387	111	2799	1.020	ug/ml		94
60) Caprolactam	6.416	55	2412	1.156	ug/ml		91
61) 1,2,4,5-Tetrachloroben...	6.905	216	9645	1.051	ug/ml	#	96
62) Biphenyl	7.199	154	20307	1.033	ug/ml		98
84) Dichloran	8.869	206	1907	1.239	ug/ml	#	81
85) Pentachloronitrobenzene	9.022	237	2444	0.875	ug/ml	#	82
99) Diphenamid	10.075	167	13800	0.987	ug/ml		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L4.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:43 am	Instrument	: SV112
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 7/1/2024 6:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20138	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 94.87%			
55) IS2_Naphthalene-d8	6.040	136	74008	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 90.31%			
83) IS2_Acenaphthene-d10	7.746	164	44694	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 86.29%			
98) IS2_Phenanthrene-d10	9.175	188	102142	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 86.44%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.375	105	2792	0.507	ug/ml	99
29) Acetophenone	5.205	105	4826	0.504	ug/ml	99
30) m-Toluidine	5.281	106	4468	0.485	ug/ml#	92
31) 2-Chloroaniline	5.646	127	4442	0.507	ug/ml	94
56) a-Terpineol	6.093	59	2535	0.494	ug/ml	94
57) 3-Chloroaniline	6.105	65	1554	0.559	ug/ml	91
58) 2,6-Dichlorophenol	6.134	162	2827	0.468	ug/ml	93
59) 1-chloro-2-nitrobenzene	6.387	111	1322	0.499	ug/ml	95
60) Caprolactam	6.422	55	1062	0.781	ug/ml#	62
61) 1,2,4,5-Tetrachloroben...	6.904	216	4650	0.525	ug/ml	98
62) Biphenyl	7.199	154	10080	0.531	ug/ml	98
84) Dichloran	8.869	206	871	0.928	ug/ml	81
85) Pentachloronitrobenzene	9.022	237	1116	0.425	ug/ml#	76
99) Diphenamid	10.075	167	5974	0.454	ug/ml	86

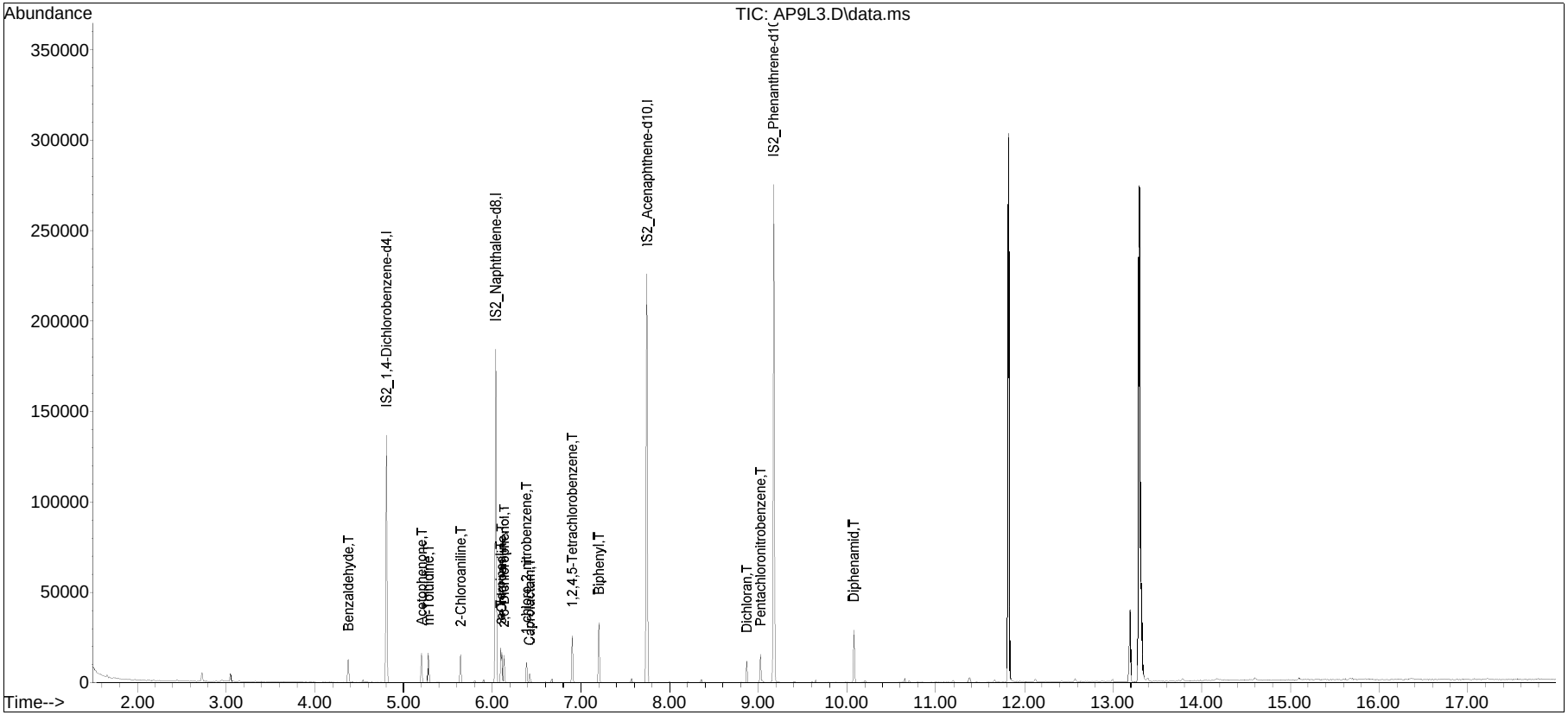
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L3.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 2:06 am	Instrument	: SV112
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 7/1/2024 6:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20613	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.11%			
55) IS2_Naphthalene-d8	6.040	136	75816	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 92.51%			
83) IS2_Acenaphthene-d10	7.746	164	46427	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 89.64%			
98) IS2_Phenanthrene-d10	9.175	188	106296	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 89.96%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.375	105	1252	0.222	ug/ml	91
29) Acetophenone	5.205	105	2044	0.208	ug/ml#	82
30) m-Toluidine	5.287	106	1832	0.194	ug/ml#	95
31) 2-Chloroaniline	5.646	127	1770	0.197	ug/ml#	75
56) a-Terpineol	6.093	59	1050	0.200	ug/ml	96
57) 3-Chloroaniline	6.105	65	491M2	0.172	ug/ml	
58) 2,6-Dichlorophenol	6.134	162	1237	0.200	ug/ml	91
59) 1-chloro-2-nitrobenzene	6.387	111	528	0.194	ug/ml#	63
60) Caprolactam	6.428	55	298M2	0.553	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.904	216	2043	0.225	ug/ml#	89
62) Biphenyl	7.199	154	4391	0.226	ug/ml	99
84) Dichloran	8.869	206	316M2	0.736	ug/ml	
85) Pentachloronitrobenzene	9.022	237	492M2	0.181	ug/ml	
99) Diphenamid	10.075	167	2543	0.186	ug/ml	86

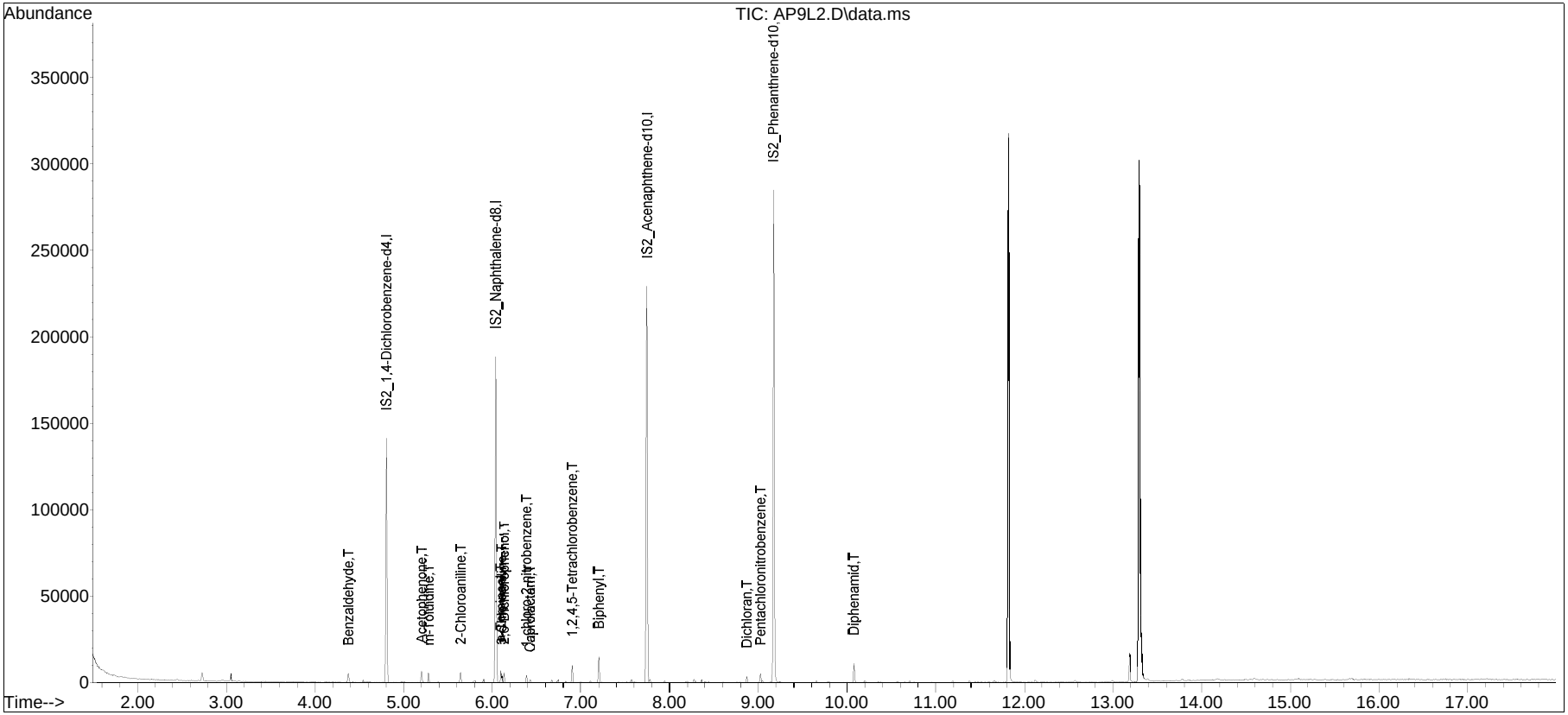
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

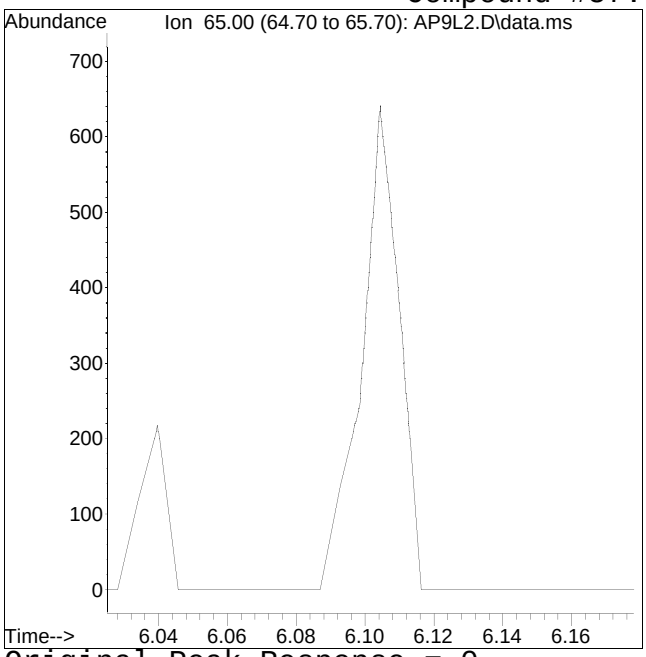
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



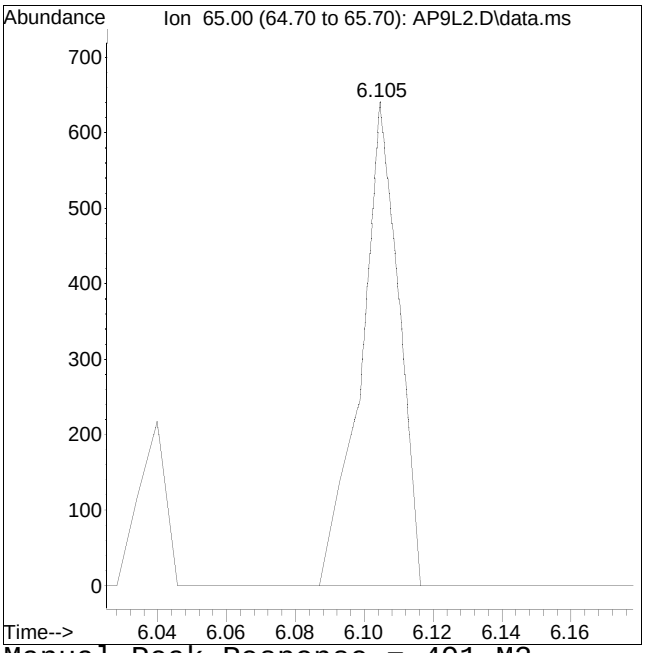
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



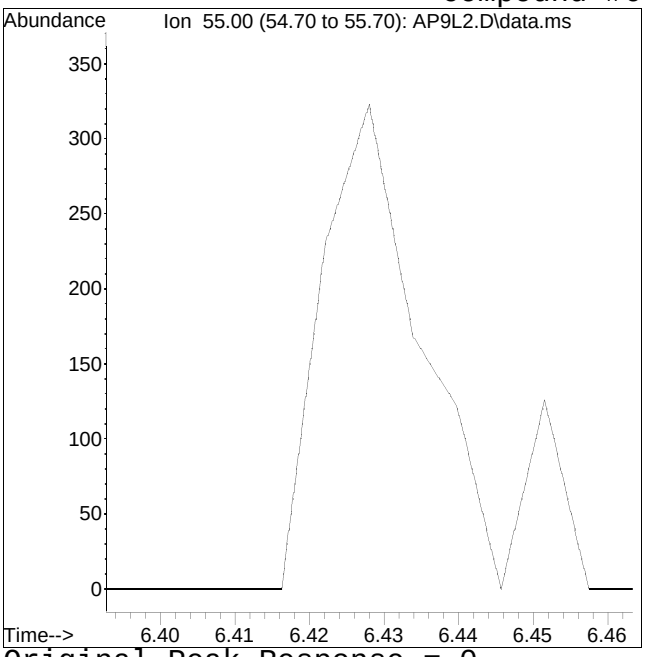
Manual Peak Response = 491 M2

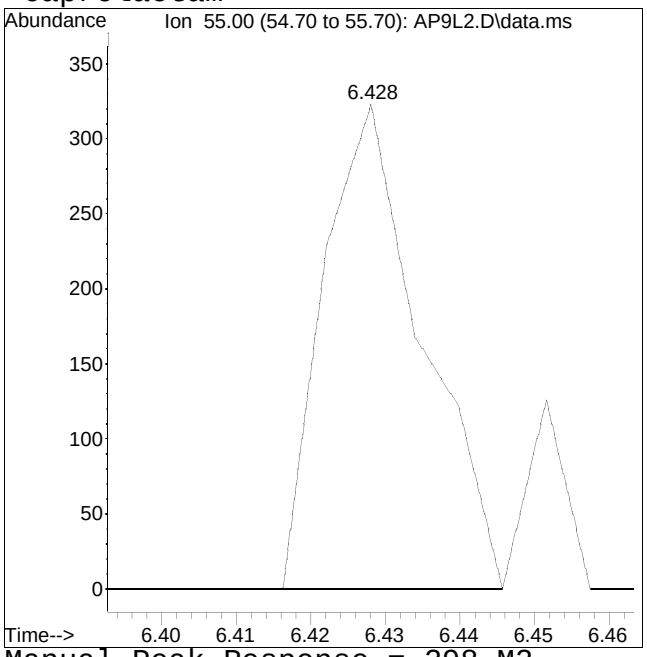
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



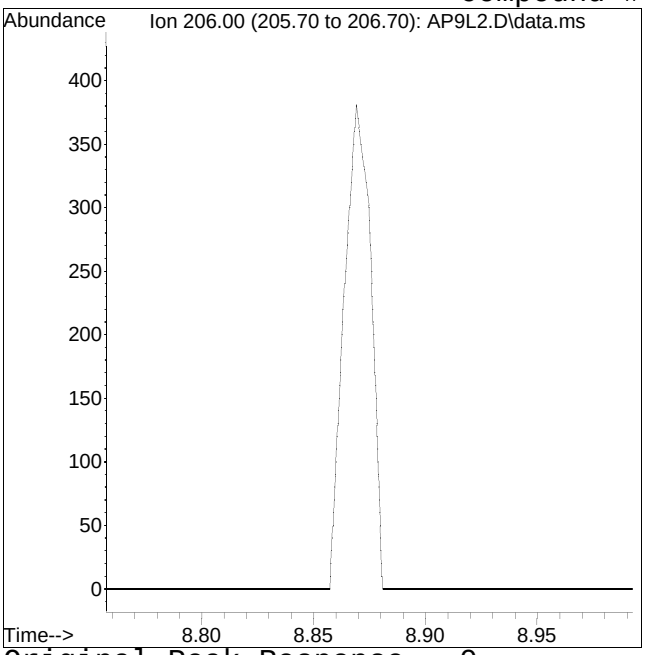


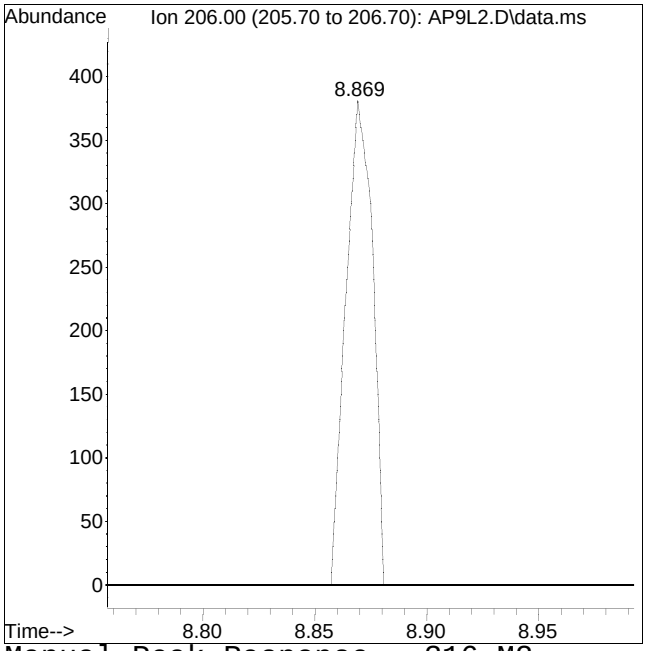
Original Peak Response = 0 Manual Peak Response = 298 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



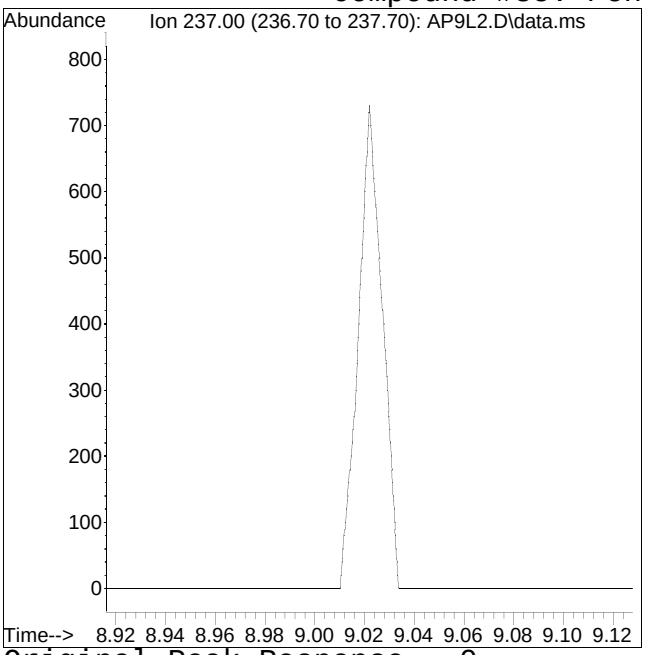


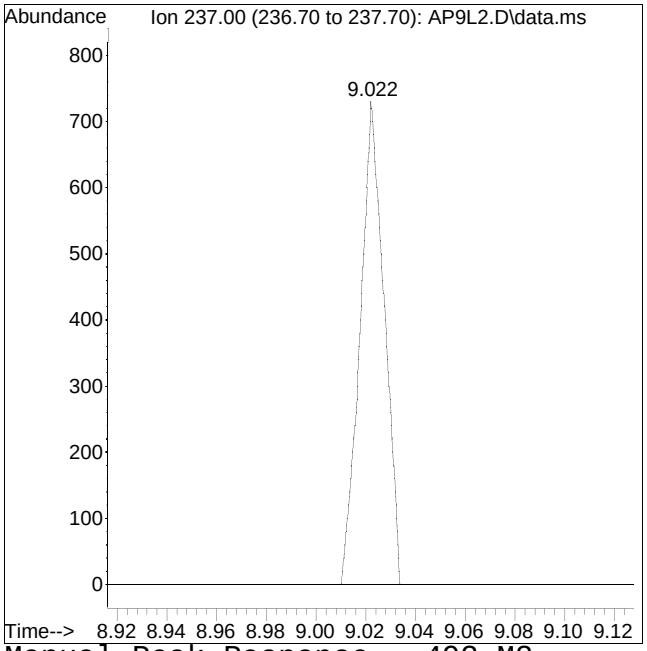
Original Peak Response = 0 Manual Peak Response = 316 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 492 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19956	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.02%				
55) IS2_Naphthalene-d8	6.040	136	73801	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.05%				
83) IS2_Acenaphthene-d10	7.746	164	45325	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 87.51%				
98) IS2_Phenanthrene-d10	9.175	188	102570	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 86.81%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	519	0.095	ug/ml	#	2
29) Acetophenone	5.205	105	834	0.088	ug/ml	#	51
30) m-Toluidine	5.281	106	810	0.089	ug/ml	#	92
31) 2-Chloroaniline	5.646	127	845	0.097	ug/ml	#	46
56) a-Terpineol	6.093	59	497M3	0.097	ug/ml		
57) 3-Chloroaniline	6.104	65	198M2	0.071	ug/ml		
58) 2,6-Dichlorophenol	6.134	162	578	0.096	ug/ml	#	17
59) 1-chloro-2-nitrobenzene	6.387	111	209M2	0.079	ug/ml		
60) Caprolactam	6.428	55	106M2	0.498	ug/ml		
61) 1,2,4,5-Tetrachloroben...	6.904	216	888	0.100	ug/ml	#	87
62) Biphenyl	7.199	154	2021	0.107	ug/ml		93
84) Dichloran	8.869	206	167M2	0.689	ug/ml		
85) Pentachloronitrobenzene	9.022	237	200M2	0.075	ug/ml		
99) Diphenamid	10.075	167	1305	0.099	ug/ml		88

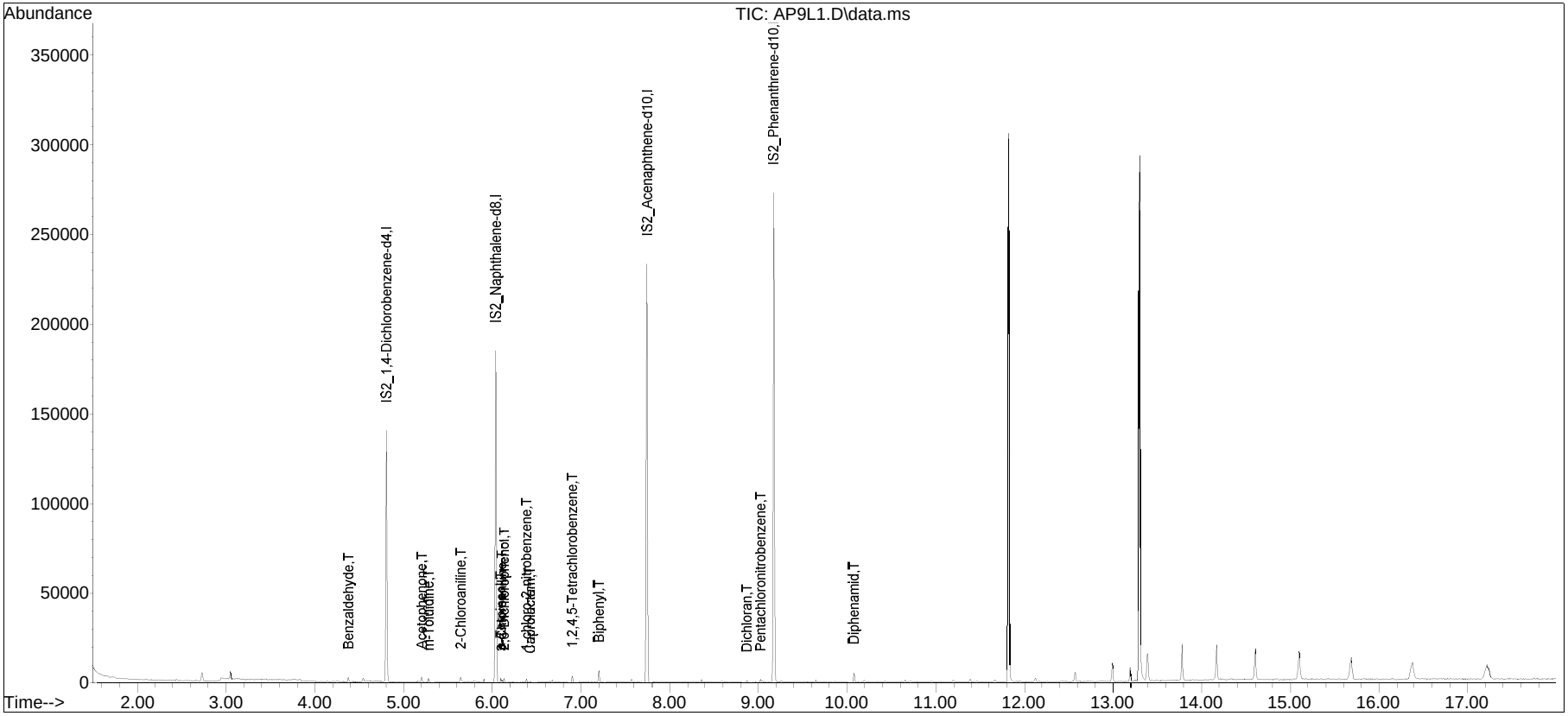
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

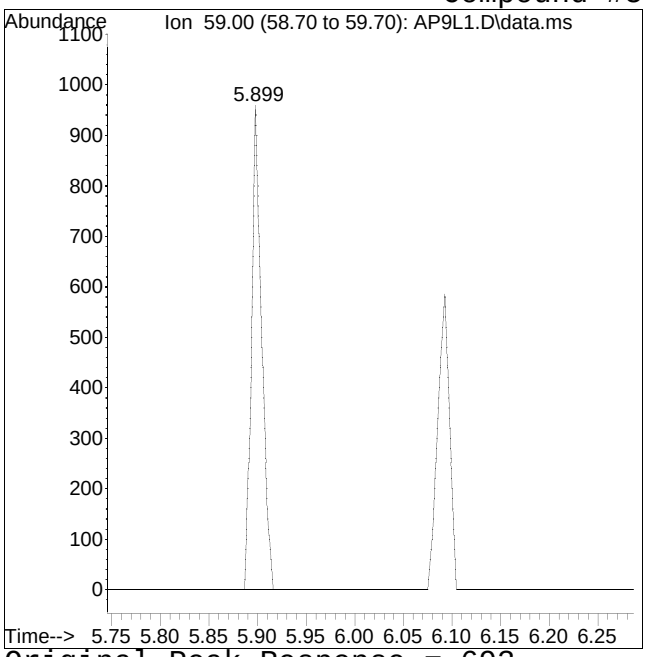


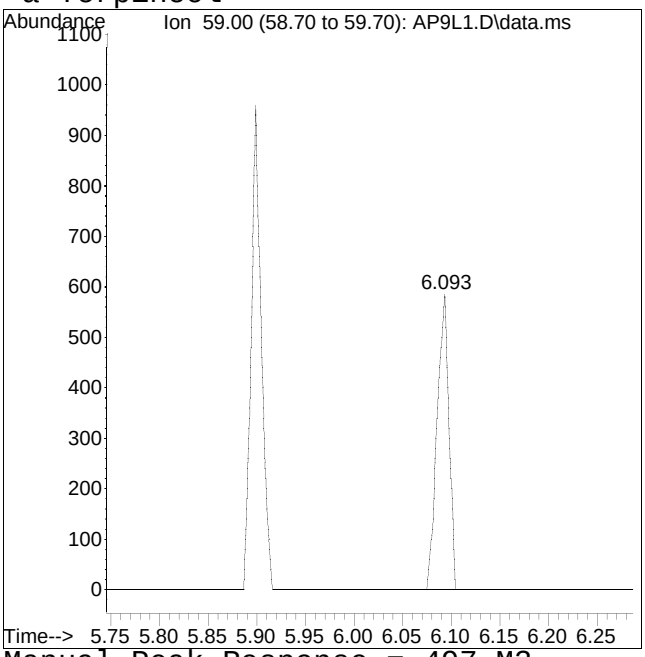
FS240625SV112RVT.m Mon Jul 01 06:28:00 2024 Page: 2

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #56: a-Terpineol





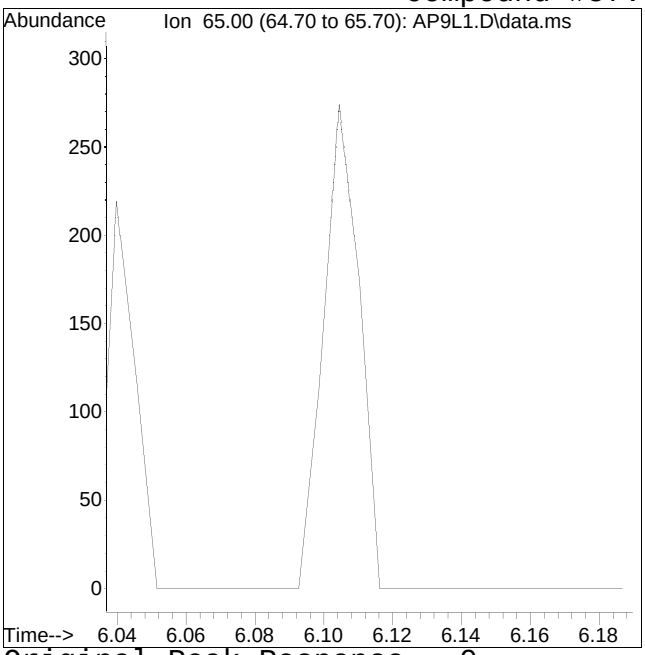
Original Peak Response = 693 Manual Peak Response = 497 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

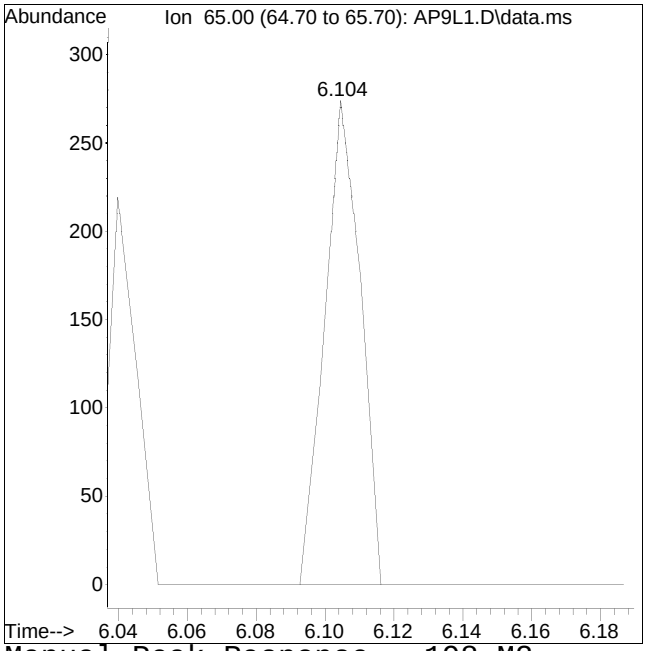
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



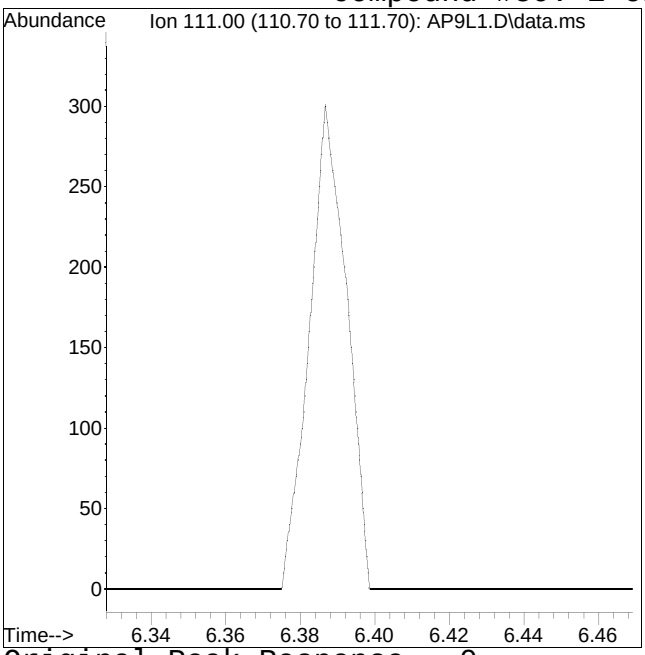
Manual Peak Response = 198 M2

M2 = Peak not found by automatic integration algorithm.

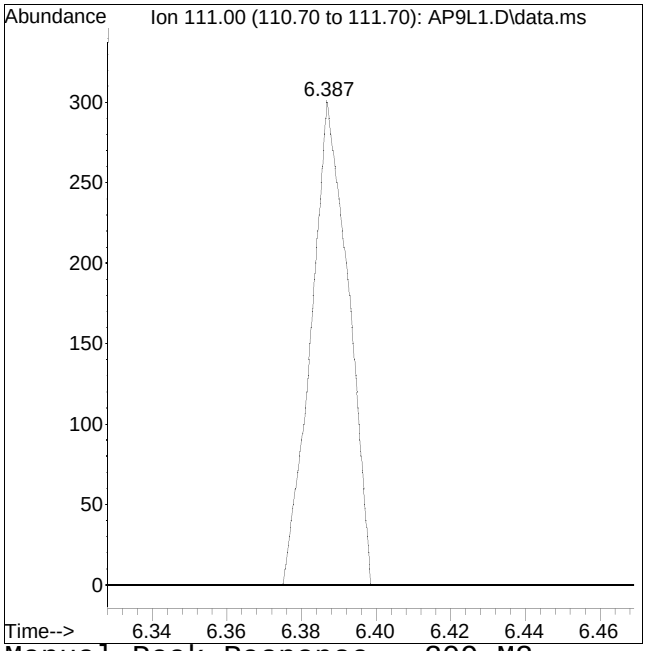
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



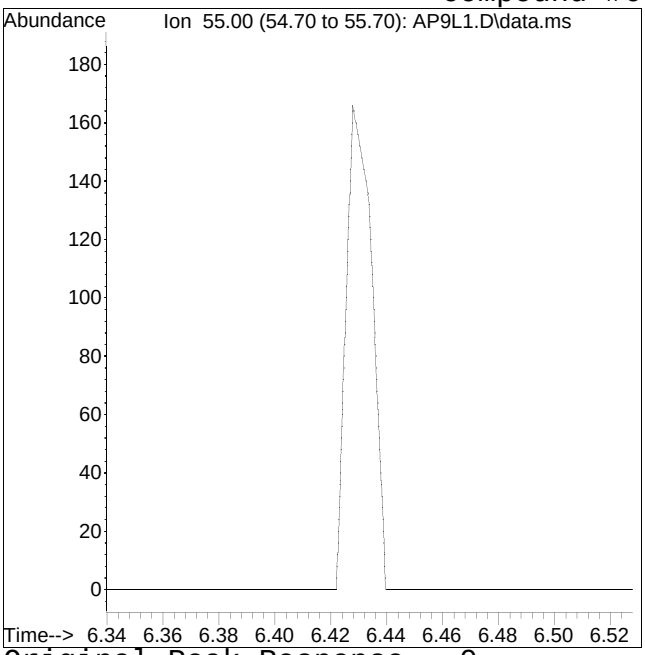
Manual Peak Response = 209 M2

M2 = Peak not found by automatic integration algorithm.

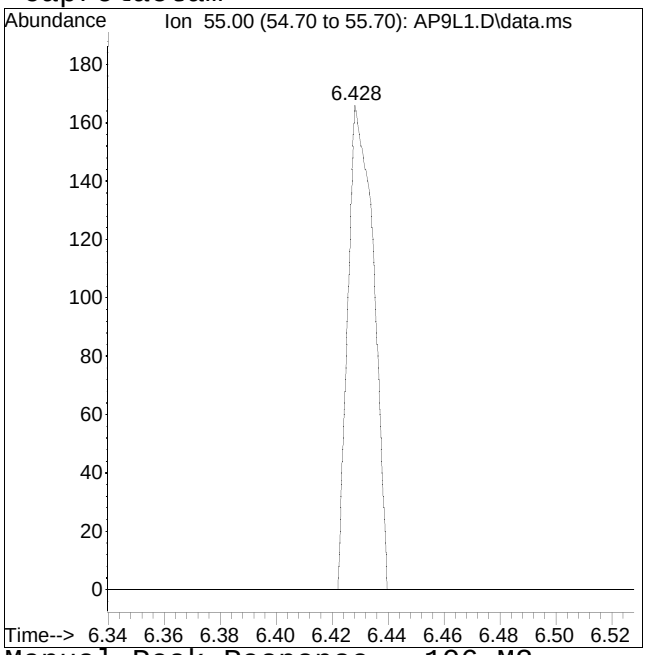
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



Original Peak Response = 0



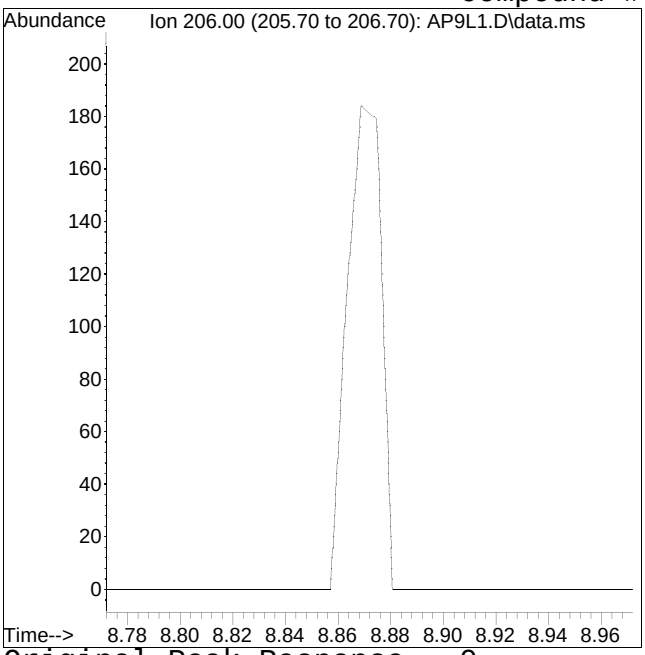
Manual Peak Response = 106 M2

M2 = Peak not found by automatic integration algorithm.

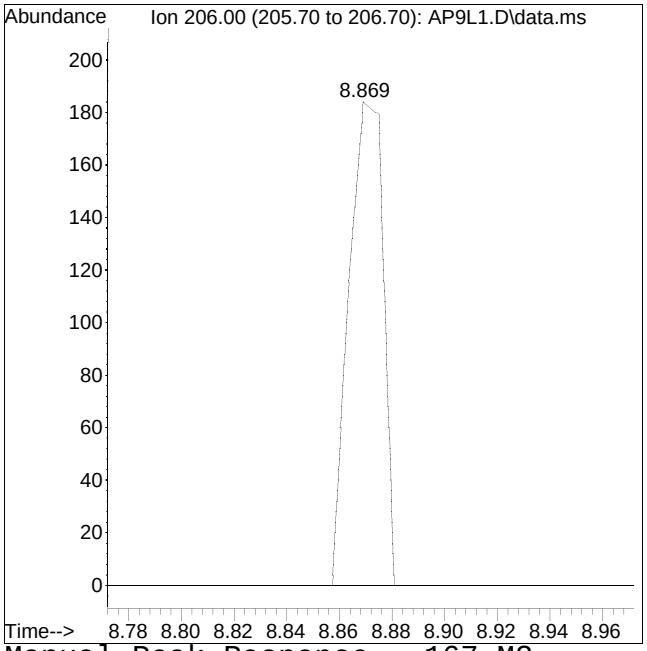
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



Original Peak Response = 0



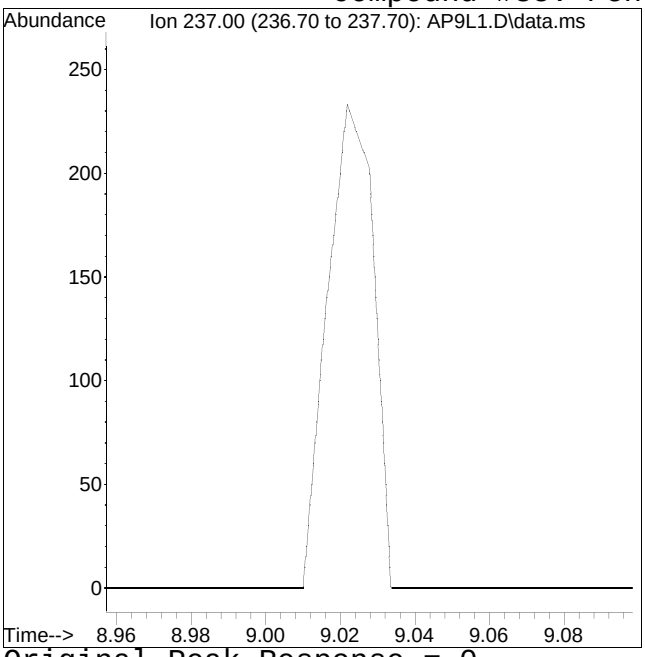
Manual Peak Response = 167 M2

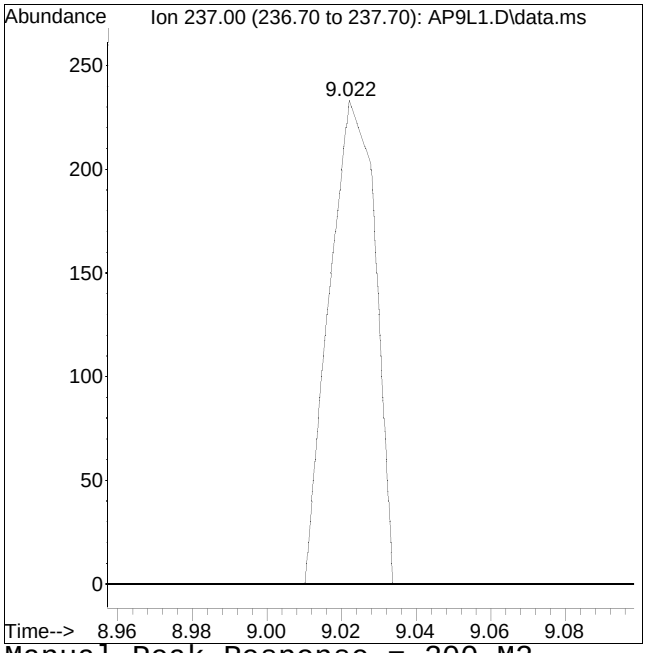
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 200 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	97	0.00
2	T	n-Nitrosodimethylamine		0.657	0.661	-0.6	90	-0.01
3	T	Pyridine		1.043	1.077	-3.3	88	-0.01
4	S	2-Fluorophenol		1.050	1.026	2.3	93	0.00
5	T	Aniline		1.811	1.708	5.7	94	0.00
6	T	2-Chlorophenol		1.251	1.194	4.6	94	0.00
7	S	Phenol-d6		1.357	1.302	4.1	92	0.00
8	T	Phenol		1.577	1.534	2.7	95	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.142	2.1	99	0.00
10	T	1,3-Dichlorobenzene		1.508	1.482	1.7	97	0.00
11	T	1,4-Dichlorobenzene		1.575	1.487	5.6	97	0.00
12	T	1,2-Dichlorobenzene		1.475	1.465	0.7	99	0.00
13	T	Benzyl alcohol		0.945	0.944	0.1	96	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.397	5.3	95	0.00
15	T	2-Methylphenol		1.056	1.030	2.5	95	0.00
16	T	Hexachloroethane		0.558	0.569	-2.0	102	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.810	6.4	93	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.135	1.3	94	0.00
19	S	Nitrobenzene-d5		1.294	1.185	8.4	89	0.00
20	T	Nitrobenzene		1.289	1.210	6.1	91	0.00
21	T	Isophorone		2.328	2.330	-0.1	100	0.00
22	T	2-Nitrophenol		0.574	0.531	7.5	90	0.00
23	T	2,4-Dimethylphenol		1.101	1.041	5.4	100	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.545	1.4	102	0.00
25	T	2,4-Dichlorophenol		1.153	1.150	0.3	99	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.370	6.2	100	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	98	0.00
36	T	Naphthalene		1.049	0.990	5.6	98	0.00
37	T	Benzoic Acid	*	5.000	4.283	14.3	88	0.00
38	T	4-Chloroaniline		0.118	0.117	0.8	98	0.00
39	T	Hexachlorobutadiene		0.246	0.232	5.7	101	0.00
40	T	p-Chloro-m-cresol		0.277	0.271	2.2	99	0.00
41	T	2-Methylnaphthalene		0.713	0.696	2.4	105	0.00
42	T	1-Methylnaphthalene		0.245	0.238	2.9	107	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.241	4.0	105	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.251	2.0	99	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.259	1.1	99	0.00
46	S	2-Fluorobiphenyl		0.904	0.878	2.9	105	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.715	5.8	101	0.00
48	T	2-Nitroaniline		0.200	0.192	4.0	99	0.00
49	T	1,4-Dinitrobenzene		0.098	0.097	1.0	101	0.00
50	T	1,3-Dinitrobenzene		0.114	0.111	2.6	99	0.00
51	T	Dimethyl phthalate		0.923	0.914	1.0	109	0.00
52	T	Acenaphthylene		1.120	1.152	-2.9	107	0.00
53	T	2,6-Dinitrotoluene		0.173	0.173	0.0	104	0.00
54	T	1,2-Dinitrobenzene		0.076	0.074	2.6	103	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	107	0.00
64	T	3-Nitroaniline		0.299	0.294	1.7	102	0.00
65	T	Acenaphthene		1.115	1.047	6.1	108	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.100	18.0	95	0.00
67	T	Dibenzofuran		1.837	1.720	6.4	107	0.00
68	T	2,4-Dinitrotoluene		0.383	0.366	4.4	101	0.00
69	T	4-Nitrophenol		0.290	0.243	16.2	91	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.381	-1.1	106	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.392	-5.9	115	0.00
72	T	Diethyl phthalate		1.487	1.433	3.6	115	0.00
73	T	Fluorene		1.431	1.369	4.3	109	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.710	9.0	110	0.00
75	T	4-Nitroaniline		0.314	0.320	-1.9	103	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.083	18.3	104	0.00
77	T	NDPA/DPA		1.231	1.176	4.5	110	0.00
78	T	Azobenzene		1.305	1.272	2.5	108	0.00
79	S	2,4,6-Tribromophenol		0.257	0.240	6.6	109	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.476	4.8	116	0.00
81	T	Hexachlorobenzene		0.628	0.576	8.3	117	0.00
82	T	Pentachlorophenol		0.322	0.304	5.6	108	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	113	0.00
89	T	Phenanthrene		1.058	1.001	5.4	111	0.00
90	T	Anthracene		1.035	1.011	2.3	114	0.00
91	T	Carbazole		0.948	0.936	1.3	111	0.00
92	T	Di-n-butylphthalate		1.034	1.067	-3.2	122	0.00
93	T	Fluoranthene		1.228	1.220	0.7	117	0.00
94	T	Benzidine		0.675	0.684	-1.3	110	0.00
95	T	Pyrene		1.301	1.332	-2.4	116	0.00
96	S	4-Terphenyl-d14		1.029	1.027	0.2	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.448	2.2	120	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	115	0.00
105	T	Benzo(a)anthracene	1.284	1.249	2.7	115	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.466	0.4	115	0.00
107	T	Chrysene	1.259	1.203	4.4	115	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.672	-5.2	127	0.00
109	T	Di-n-octylphthalate	0.979	1.043	-6.5	121	0.00
110	T	Benzo(b)fluoranthene	1.317	1.290	2.1	114	0.00
111	T	Benzo(k)fluoranthene	1.202	1.189	1.1	107	0.00
112	T	Benzo(a)pyrene	1.149	1.154	-0.4	113	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	109	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	1.029	8.0	98	0.00
115	T	Dibenzo(a,h)anthracene	1.068	1.071	-0.3	108	0.00
116	T	Benzo(ghi)perylene	1.078	0.996	7.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20598	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.86%		
35) IS1_Naphthalene-d8	6.040	136	80389	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.39%		
63) IS1_Acenaphthene-d10	7.746	164	52787	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 107.31%		
88) IS1_Phenanthrene-d10	9.175	188	116871	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 112.53%		
104) IS1_Chrysene-d12	11.822	240	127855	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 114.95%		
113) IS1_Perylene-d12	13.298	264	143710	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 109.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	26417	4.884 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 244.20%#		
7) Phenol-d6	4.475	99	33525	4.799 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.95%#		
19) Nitrobenzene-d5	5.340	82	30499	4.577 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 457.70%#		
46) 2-Fluorobiphenyl	7.105	172	88237	4.854 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 485.40%#		
79) 2,4,6-Tribromophenol	8.510	330	15837	4.674 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 233.70%#		
96) 4-Terphenyl-d14	10.757	244	150090	4.993 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 499.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	17024	5.031 ug/ml	96
3) Pyridine	2.199	79	27737	5.166 ug/ml	84
5) Aniline	4.481	93	43964	4.715 ug/ml#	50
6) 2-Chlorophenol	4.599	128	30731	4.772 ug/ml	93
8) Phenol	4.487	94	39494	4.864 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	29416	4.894 ug/ml	95
10) 1,3-Dichlorobenzene	4.746	146	38166	4.914 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	38281	4.721 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	37717	4.965 ug/ml	96
13) Benzyl alcohol	4.952	79	24307	4.997 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	35963	4.736 ug/ml#	55

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	26511	4.873	ug/ml	97
16) Hexachloroethane	5.299	117	14641	5.098	ug/ml#	69
17) n-Nitrosodi-n-propylamine	5.216	70	20852	4.680	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	29223	4.933	ug/ml	97
20) Nitrobenzene	5.358	77	31148	4.691	ug/ml	99
21) Isophorone	5.599	82	59999	5.005	ug/ml	99
22) 2-Nitrophenol	5.675	139	13664	4.620	ug/ml	97
23) 2,4-Dimethylphenol	5.746	107	26791	4.724	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	39785	4.930	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29599	4.986	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	35281	4.693	ug/ml	96
36) Naphthalene	6.058	128	99432	4.718	ug/ml	99
37) Benzoic Acid	5.816	105	14641	4.283	ug/ml	95
38) 4-Chloroaniline	6.122	65	11724	4.950	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23300	4.717	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	27216	4.891	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	69923	4.879	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	23877	4.844	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	24201	4.800	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	25194	4.888	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	25978	4.926	ug/ml	99
47) 2-Chloronaphthalene	7.205	162	71799	4.710	ug/ml	94
48) 2-Nitroaniline	7.310	138	19285	4.788	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	9774	4.947	ug/ml	83
50) 1,3-Dinitrobenzene	7.516	168	11190	4.884	ug/ml	89
51) Dimethyl phthalate	7.510	163	91883	4.955	ug/ml	100
52) Acenaphthylene	7.605	152	115716	5.142	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	17365	5.007	ug/ml	92
54) 1,2-Dinitrobenzene	7.599	168	7435	4.870	ug/ml#	1
64) 3-Nitroaniline	7.710	138	19395	4.919	ug/ml	93
65) Acenaphthene	7.775	154	69117	4.699	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	8557	4.100	ug/ml#	83
67) Dibenzofuran	7.946	168	113504	4.682	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	24166	4.777	ug/ml	93
69) 4-Nitrophenol	7.310	65	16049	4.201	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	25150	5.061	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	25875	5.300	ug/ml	98
72) Diethyl phthalate	8.199	149	94549	4.820	ug/ml	96
73) Fluorene	8.275	166	90363	4.786	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	46843	4.553	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	21133	5.094	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	13091	4.083	ug/ml#	74
77)	NDPA/DPA	8.404	169	77598	4.778	ug/ml	95
78)	Azobenzene	8.440	77	83945	4.874	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	31429	4.768	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	37993	4.587	ug/ml#	84
82)	Pentachlorophenol	9.010	266	20072	4.720	ug/ml	99
89)	Phenanthrene	9.199	178	146237	4.730	ug/ml	99
90)	Anthracene	9.252	178	147689	4.883	ug/ml	99
91)	Carbazole	9.416	167	136779	4.939	ug/ml	98
92)	Di-n-butylphthalate	9.799	149	155812	5.157	ug/ml	100
93)	Fluoranthene	10.357	202	178241M3	4.969	ug/ml	
94)	Benzidine	10.504	184	99975	5.069	ug/ml#	96
95)	Pyrene	10.575	202	194546	5.116	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	65418	4.894	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	199667	4.863	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	74502	4.982	ug/ml#	97
107)	Chrysene	11.851	228	192294	4.778	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.916	149	107331	5.257	ug/ml#	98
109)	Di-n-octylphthalate	12.598	149	166682	5.328	ug/ml	97
110)	Benzo(b)fluoranthene	12.922	252	206155	4.896	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	190009M3	4.944	ug/ml	
112)	Benzo(a)pyrene	13.240	252	184465	5.021	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	184779M6	4.599	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	192344	5.012	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	178871	4.619	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
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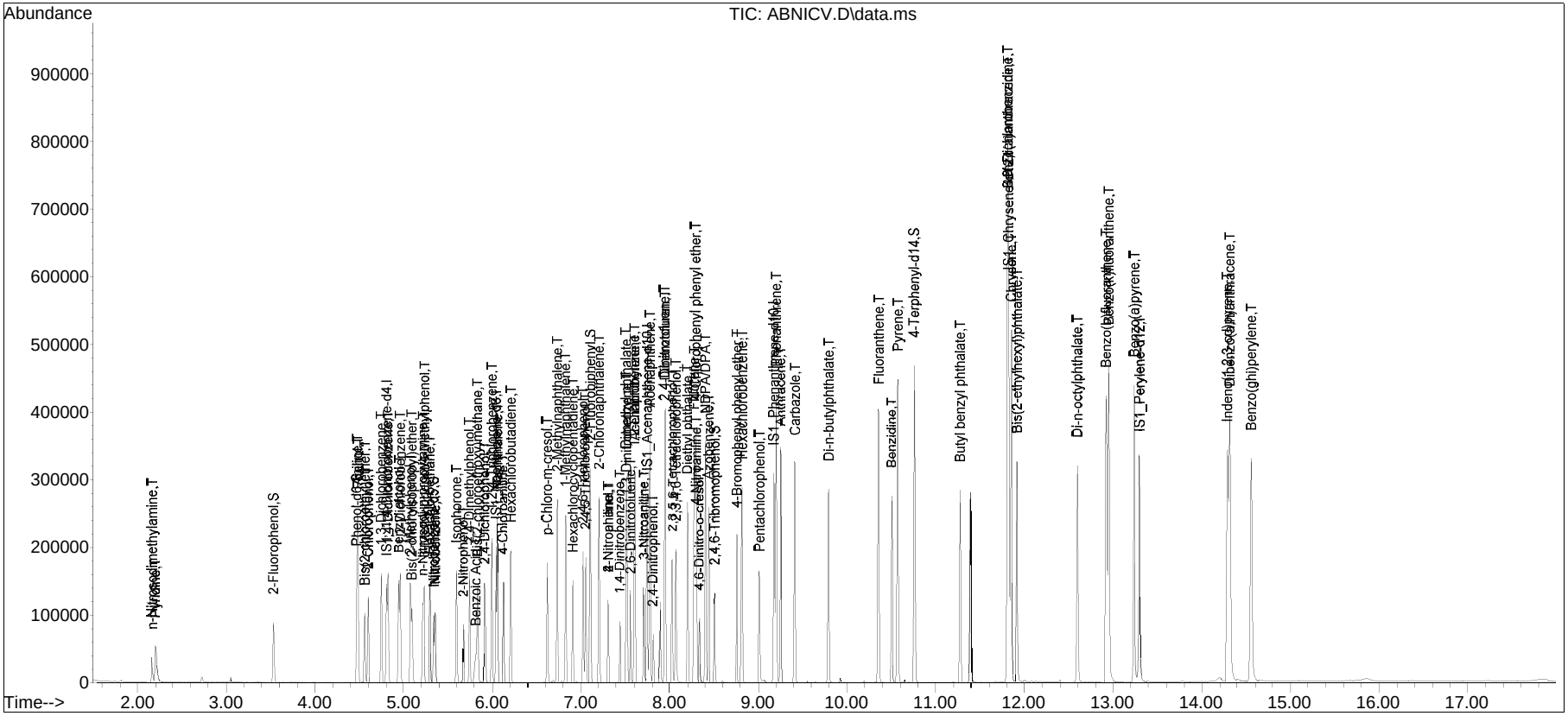
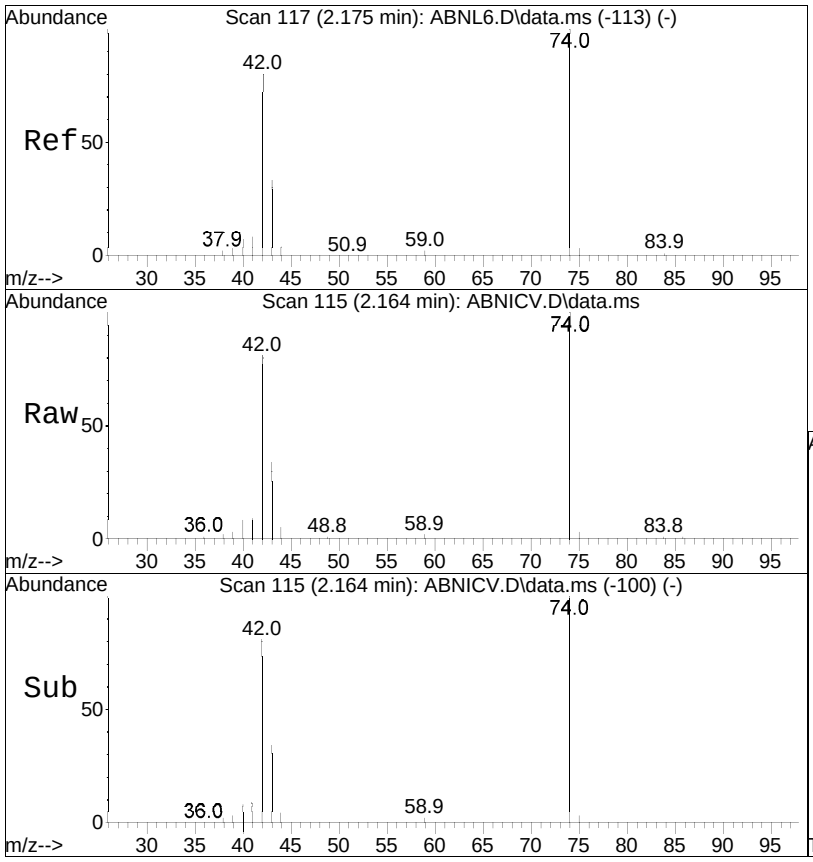
Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

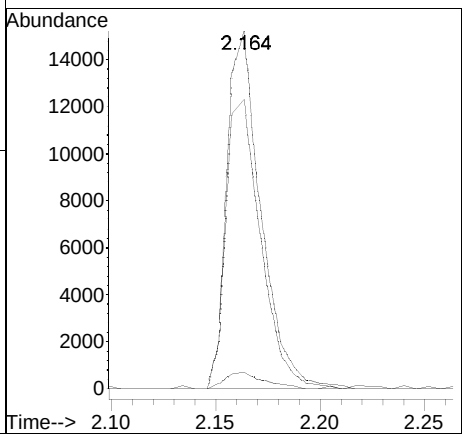


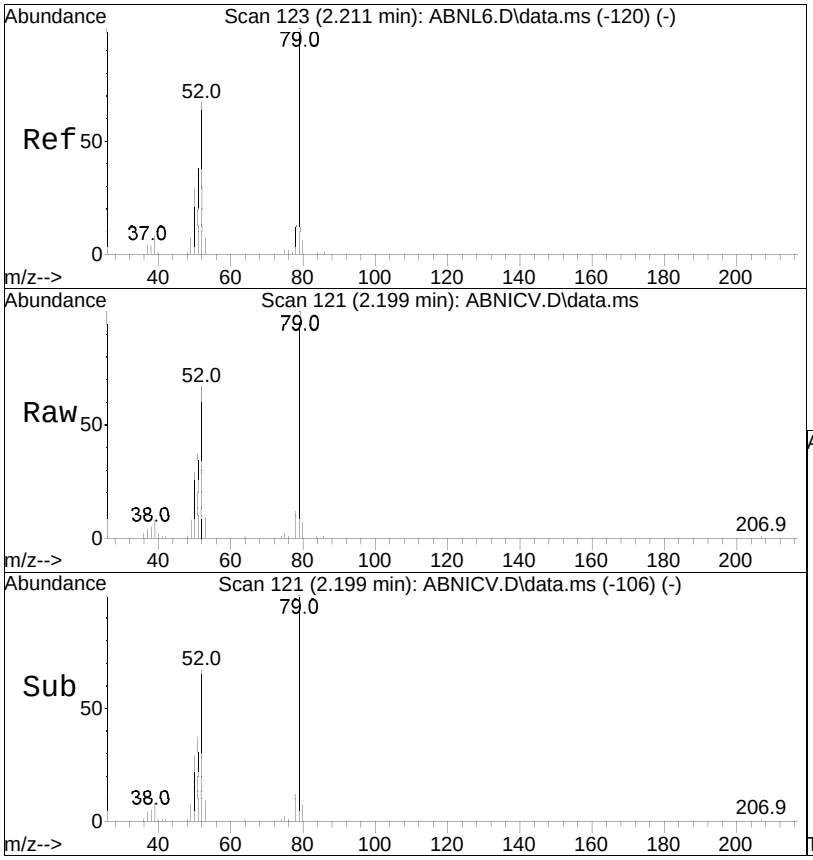


#2
n-Nitrosodimethylamine
Concen: 5.03 ug/ml
RT: 2.164 min Scan# 115
Delta R.T. -0.011 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 74 Resp: 17024

Ion	Ratio	Lower	Upper
74	100		
42	83.3	63.8	95.8
44	5.5	4.3	6.5

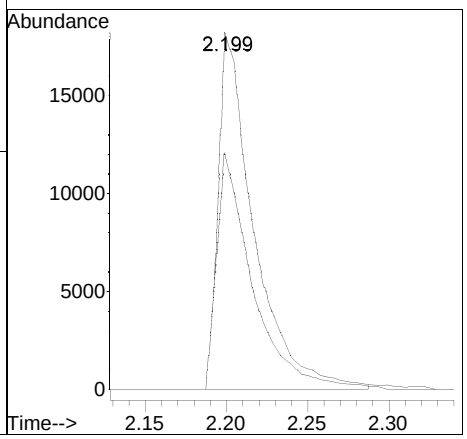


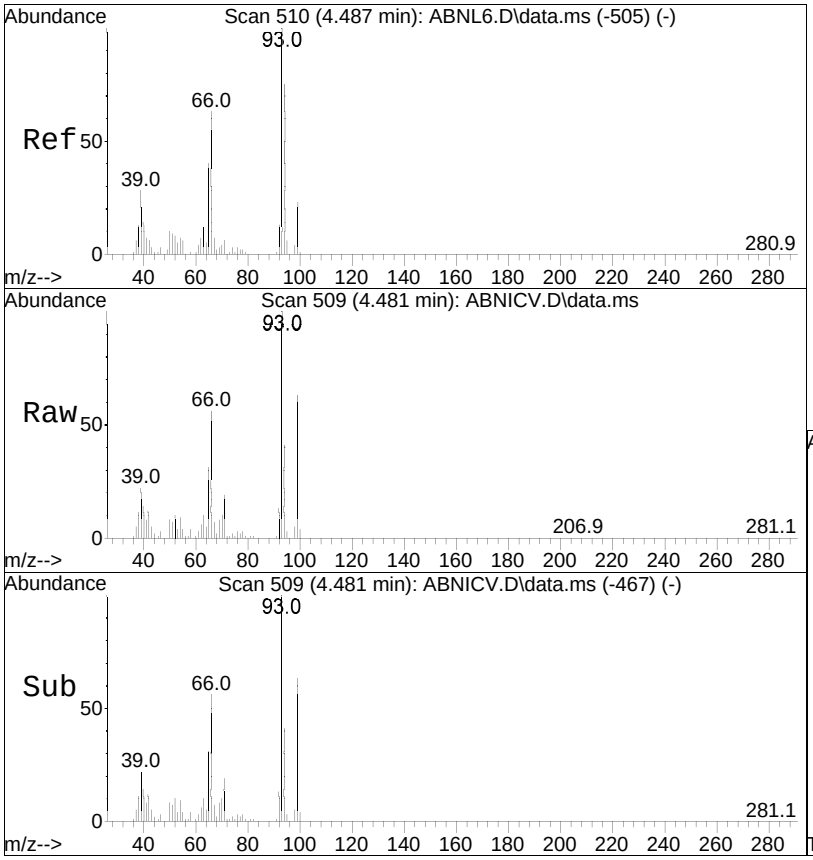


#3
Pyridine
Concen: 5.17 ug/ml
RT: 2.199 min Scan# 121
Delta R.T. -0.012 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 27737

Ion	Ratio	Lower	Upper
79	100		
52	66.5	64.6	96.8

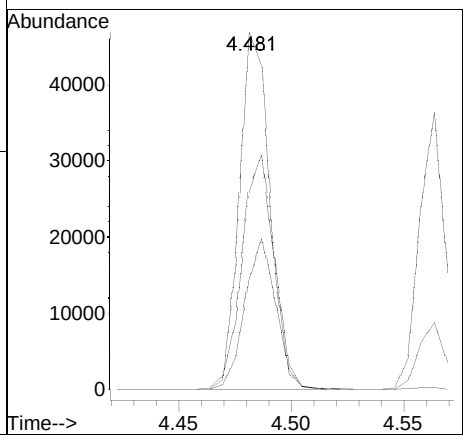


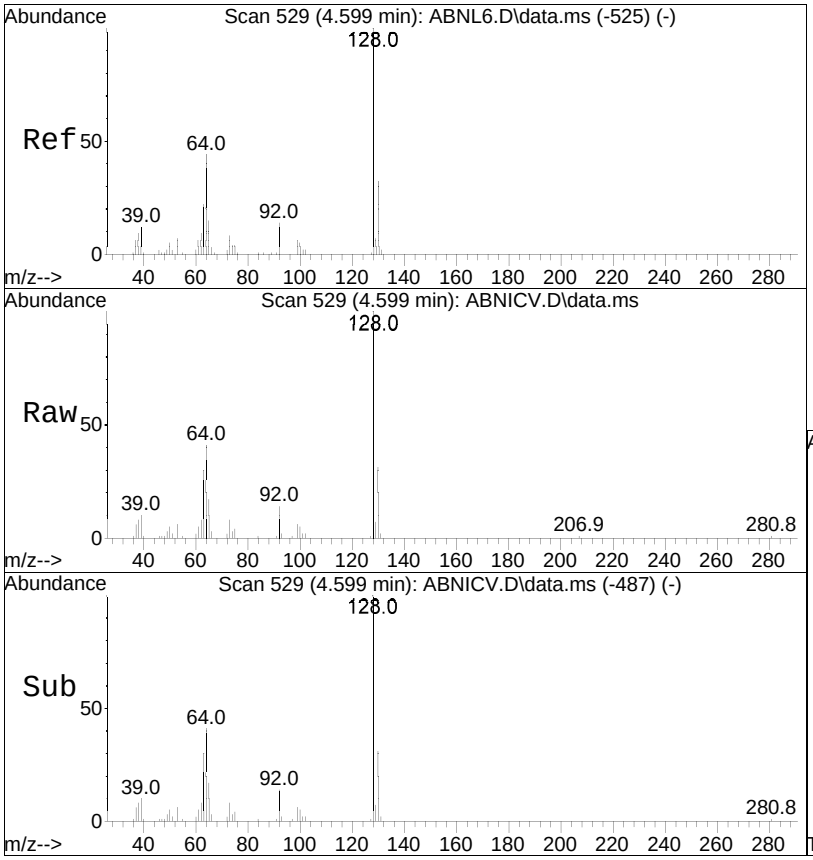


#5
Aniline
Concen: 4.71 ug/ml
RT: 4.481 min Scan# 509
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 43964

Ion	Ratio	Lower	Upper
93	100		
66	70.6	31.3	46.9#
65	43.3	16.6	25.0#

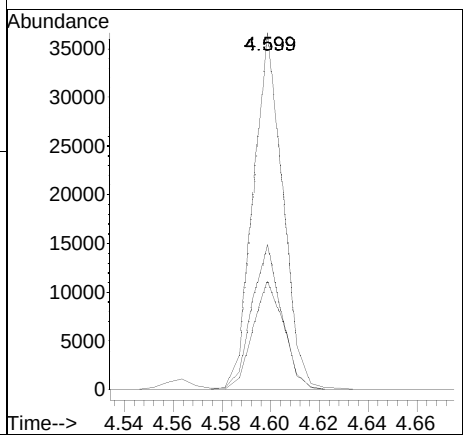


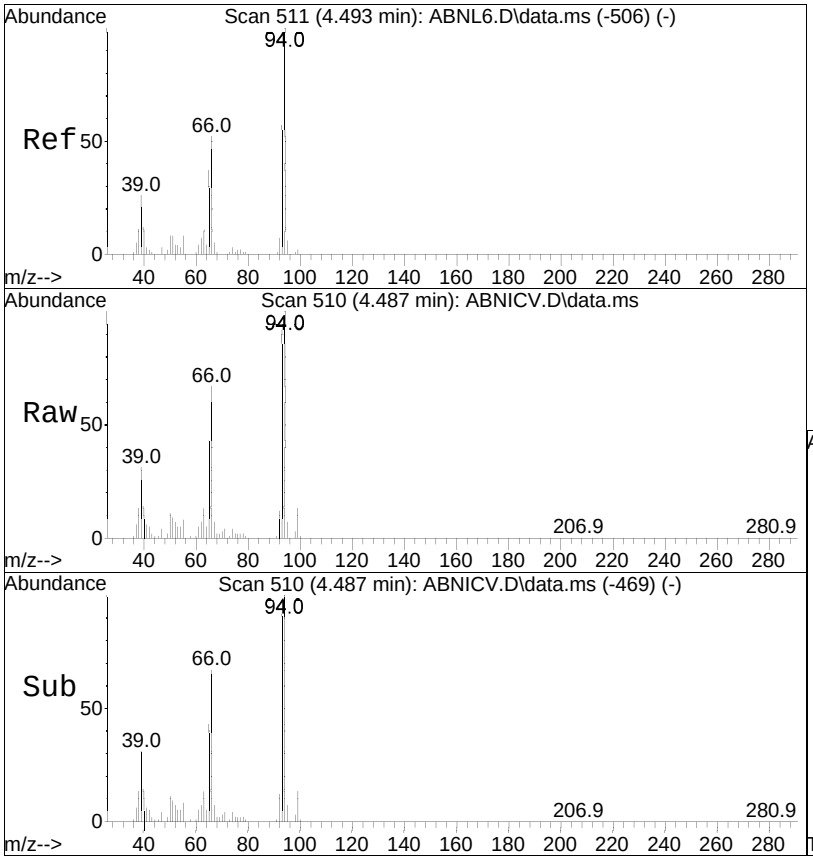


#6
2-Chlorophenol
Concen: 4.77 ug/ml
RT: 4.599 min Scan# 529
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 30731

Ion	Ratio	Lower	Upper
128	100		
64	40.6	38.2	57.4
130	31.9	26.2	39.2

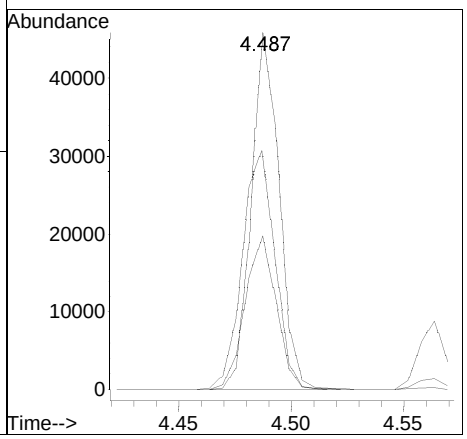


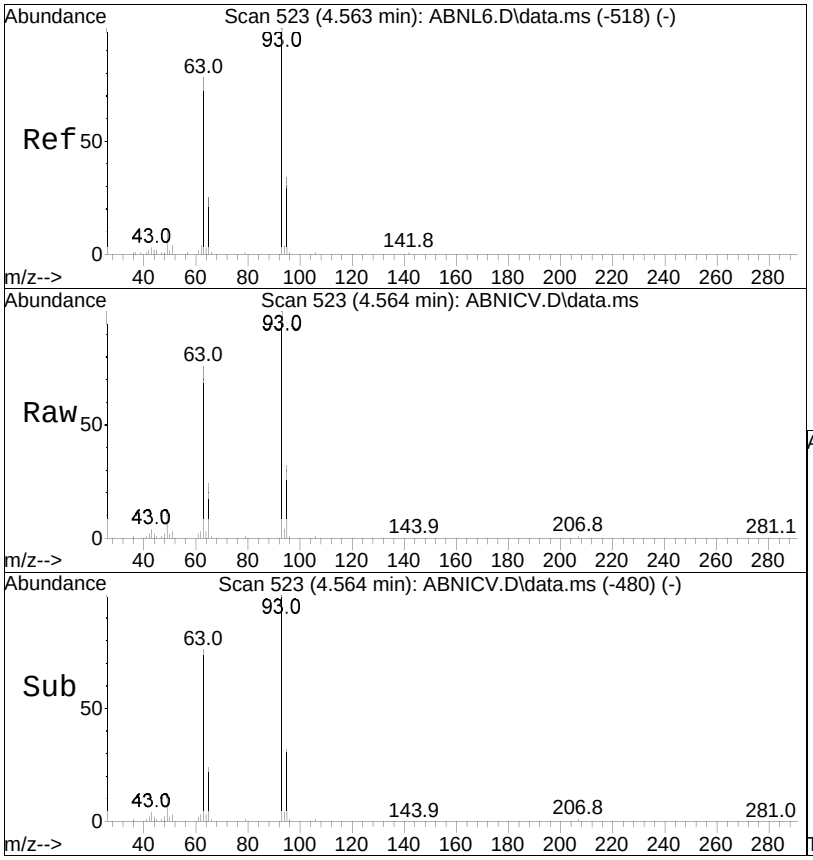


#8
Phenol
Concen: 4.86 ug/ml
RT: 4.487 min Scan# 510
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 94 Resp: 39494

Ion	Ratio	Lower	Upper
94	100		
65	48.2	23.0	34.6#
66	78.6	32.1	48.1#

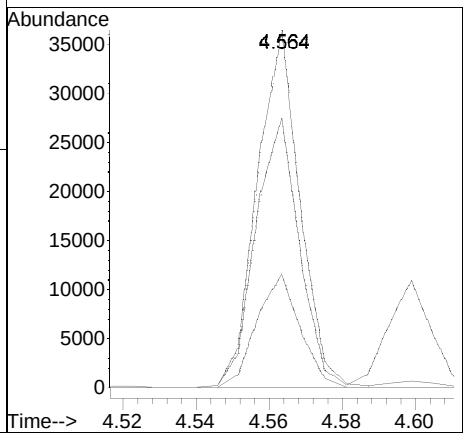


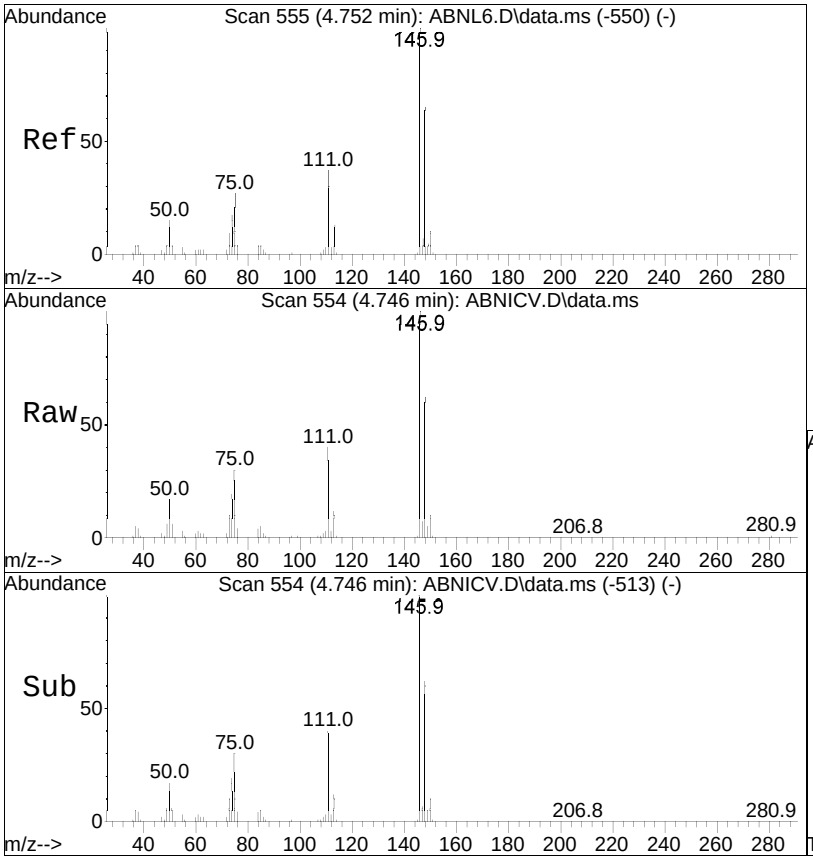


#9
Bis(2-chloroethyl)ether
Concen: 4.89 ug/ml
RT: 4.564 min Scan# 523
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 29416

Ion	Ratio	Lower	Upper
93	100		
63	77.3	67.0	100.4
95	32.2	26.1	39.1

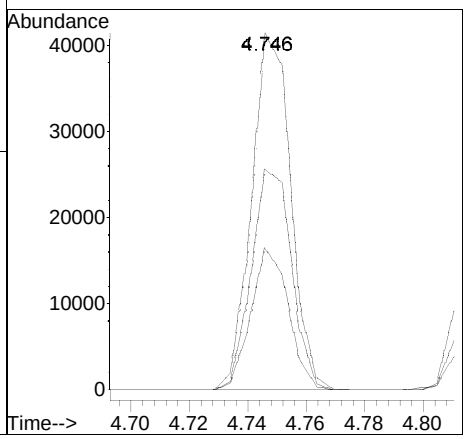


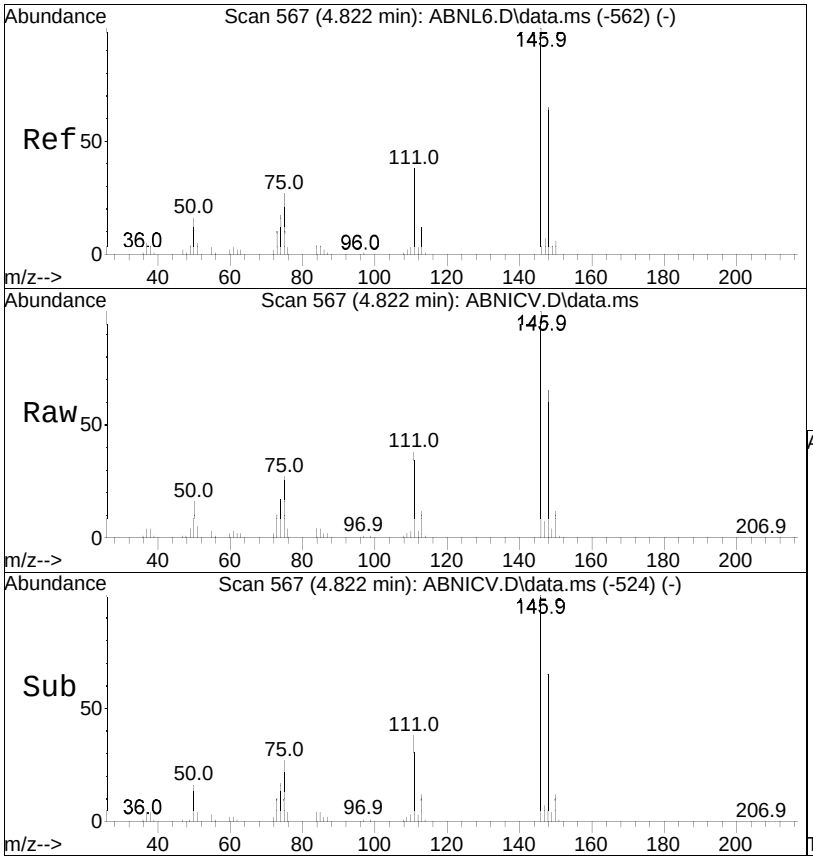


#10
1,3-Dichlorobenzene
Concen: 4.91 ug/ml
RT: 4.746 min Scan# 554
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38166

Ion	Ratio	Lower	Upper
146	100		
111	38.5	35.0	52.4
148	63.7	51.3	76.9

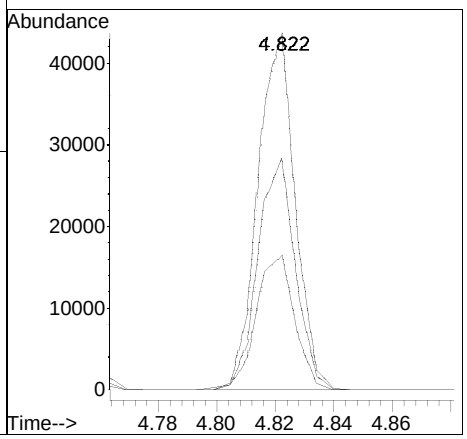


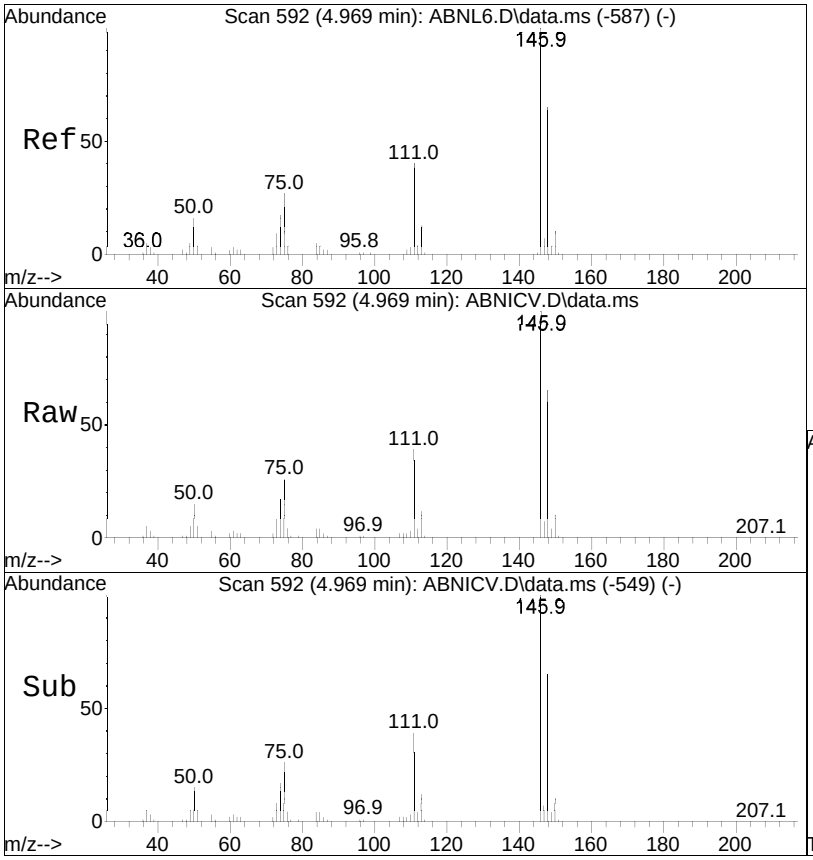


#11
1,4-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 4.822 min Scan# 567
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38281

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	39.3	34.4	51.6

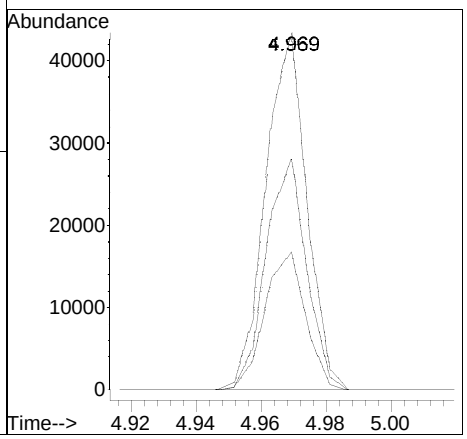


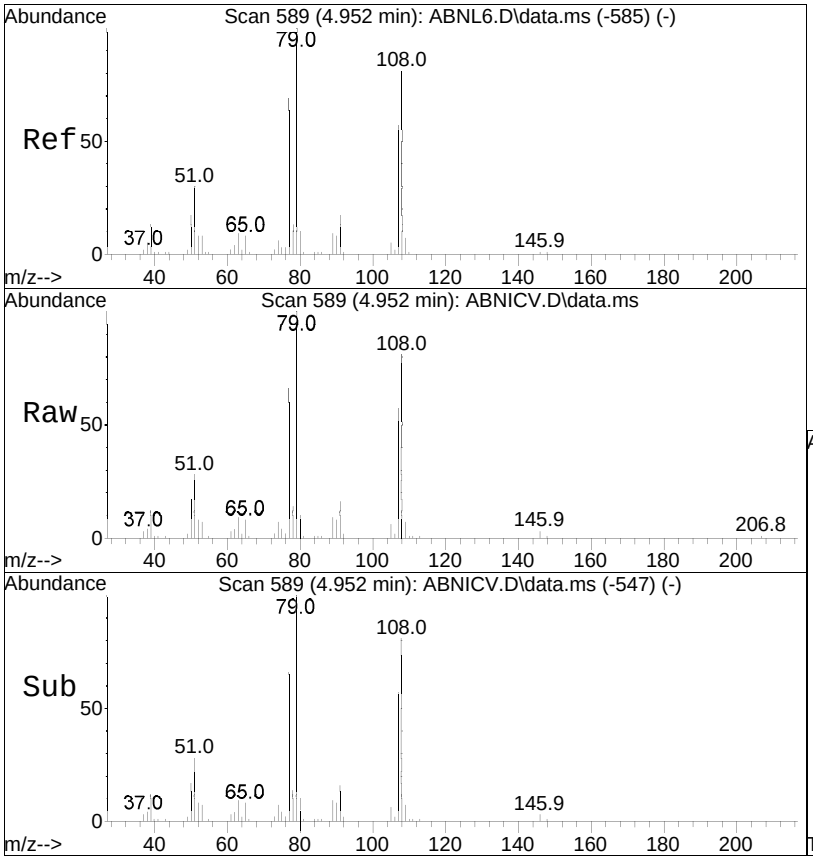


#12
1,2-Dichlorobenzene
Concen: 4.96 ug/ml
RT: 4.969 min Scan# 592
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 37717

Ion	Ratio	Lower	Upper
146	100		
111	38.6	35.5	53.3
148	63.9	50.6	76.0

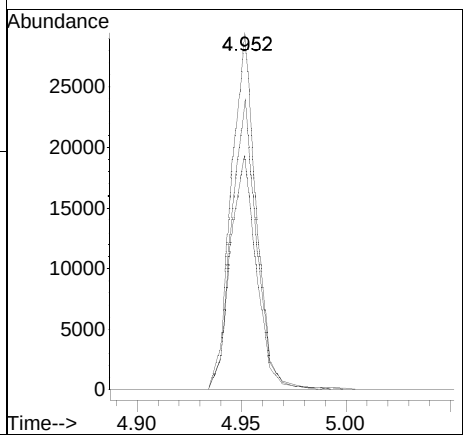


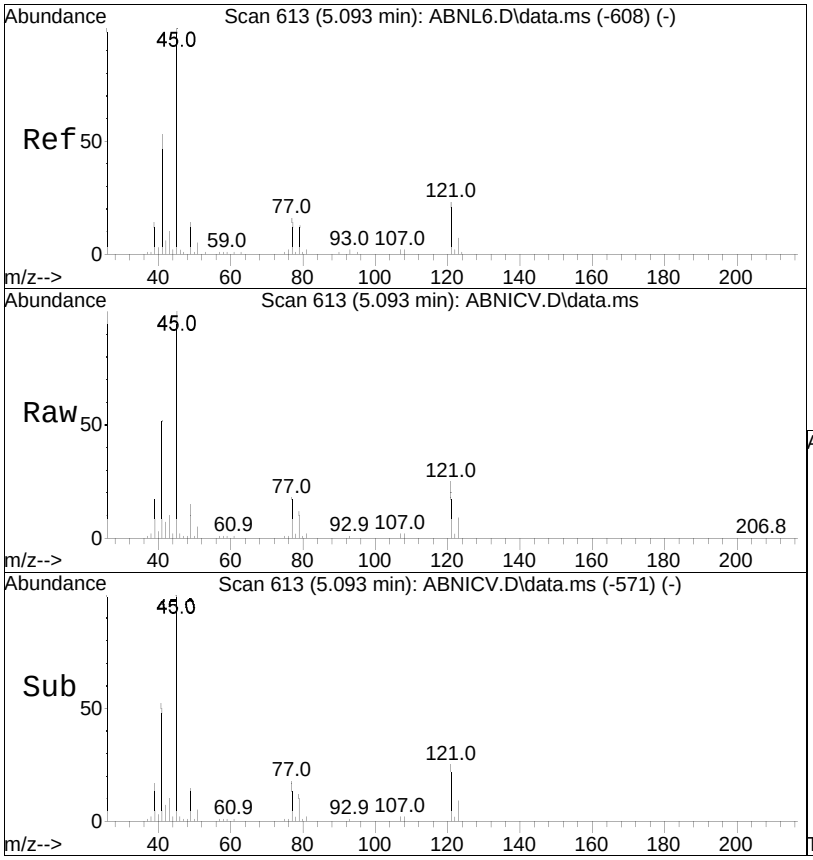


#13
Benzyl alcohol
Concen: 5.00 ug/ml
RT: 4.952 min Scan# 589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 24307

Ion	Ratio	Lower	Upper
79	100		
77	68.9	51.8	77.6
108	82.2	63.9	95.9

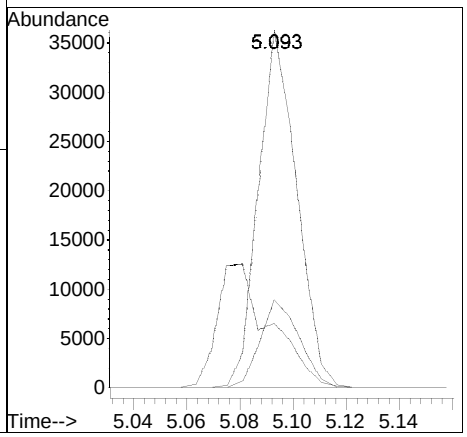


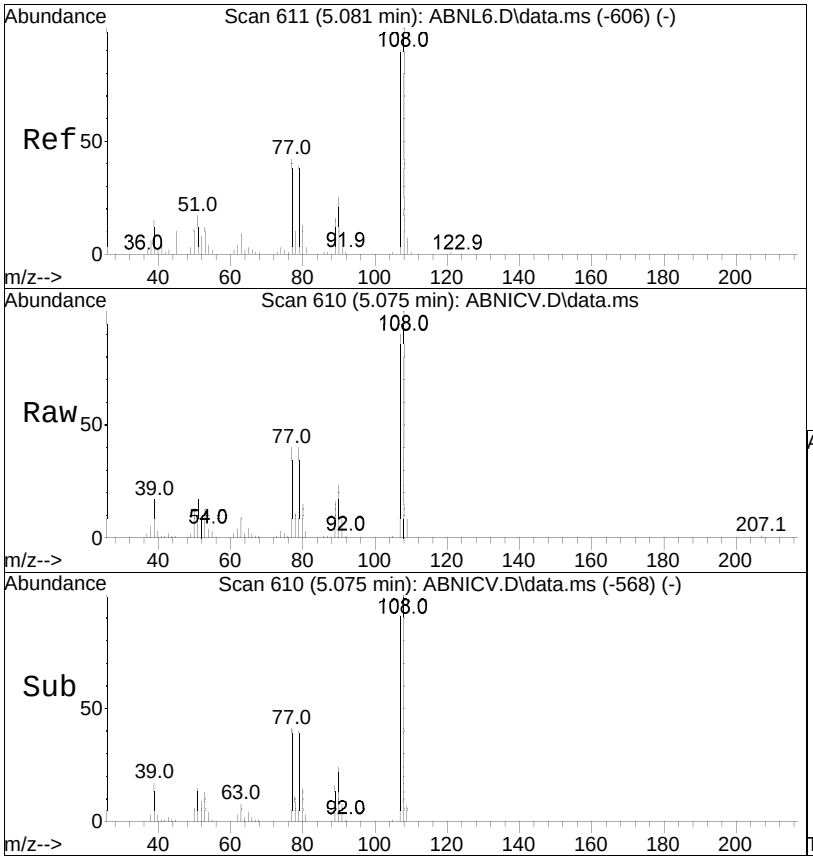


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 5.093 min Scan# 613
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 45 Resp: 35963

Ion	Ratio	Lower	Upper
45	100		
121	25.1	14.8	22.2#
77	48.1	10.5	15.7#

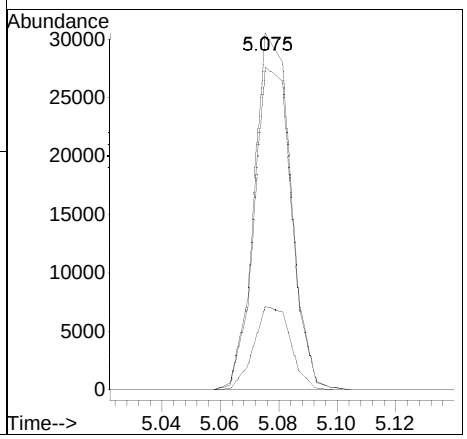


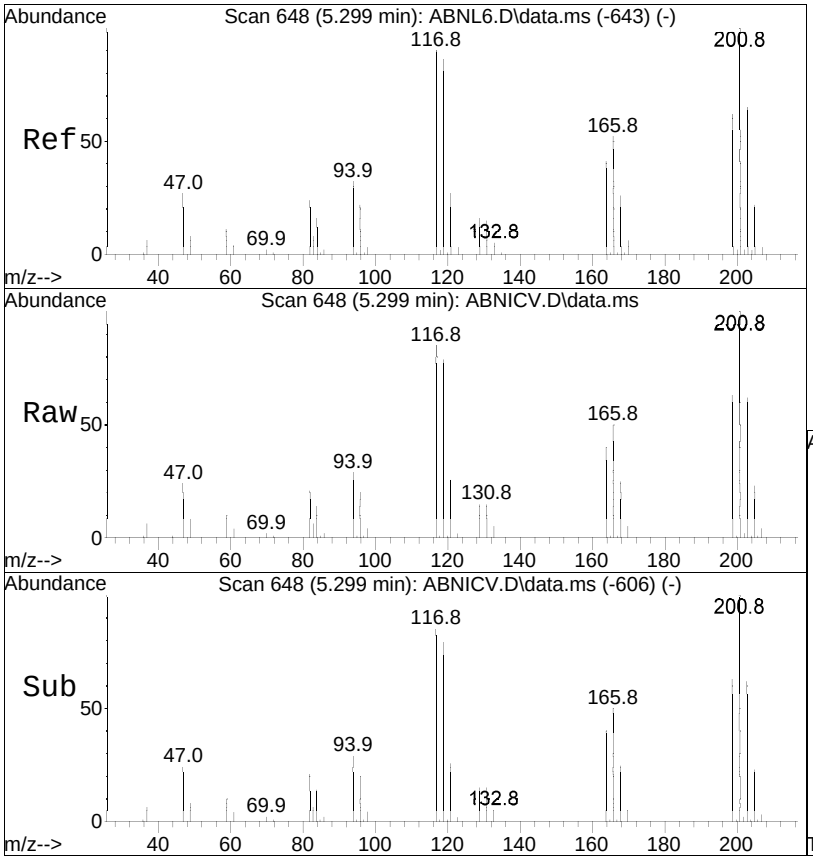


#15
2-Methylphenol
Concen: 4.87 ug/ml
RT: 5.075 min Scan# 610
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 26511

Ion	Ratio	Lower	Upper
108	100		
107	92.3	71.0	106.4
90	23.5	19.7	29.5

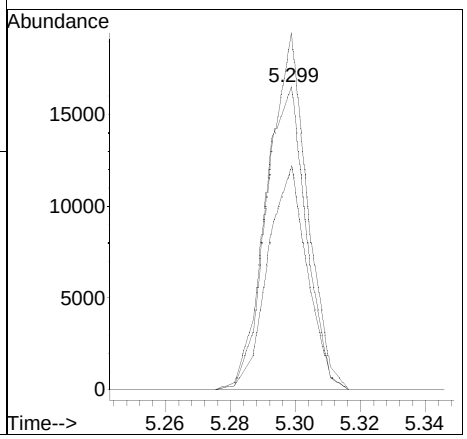


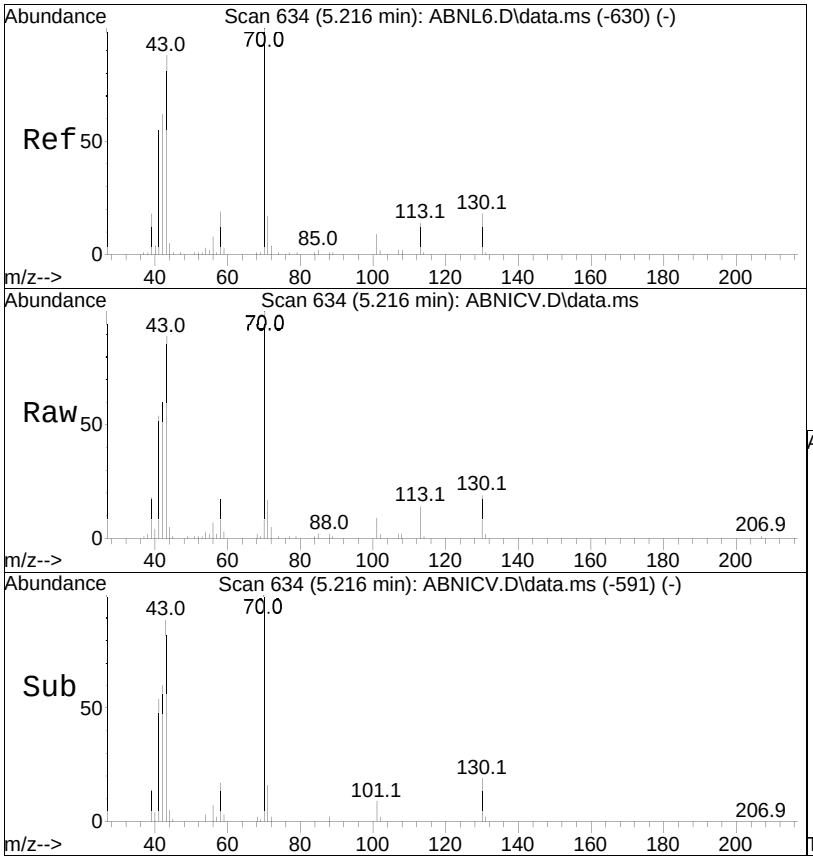


#16
Hexachloroethane
Concen: 5.10 ug/ml
RT: 5.299 min Scan# 648
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:117 Resp: 14641

Ion	Ratio	Lower	Upper
117	100		
201	109.8	64.4	96.6#
199	70.3	40.5	60.7#

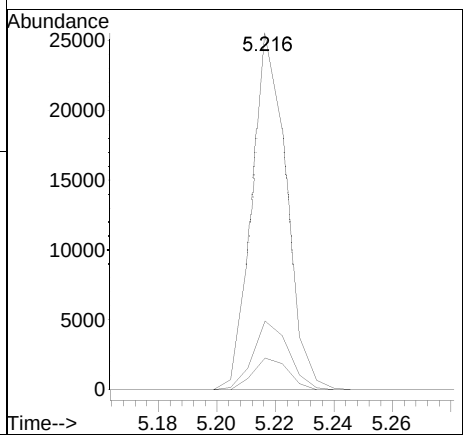


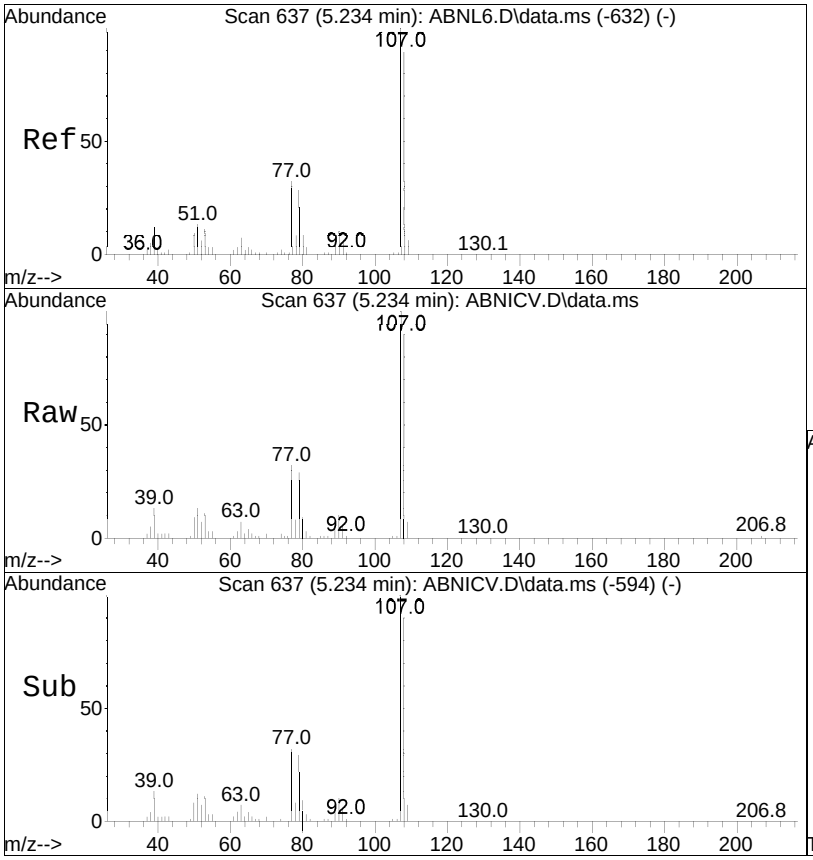


#17
n-Nitrosodi-n-propylamine
Concen: 4.68 ug/ml
RT: 5.216 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 70 Resp: 20852

Ion	Ratio	Lower	Upper
70	100		
130	19.7	16.2	24.4
101	9.1	7.6	11.4

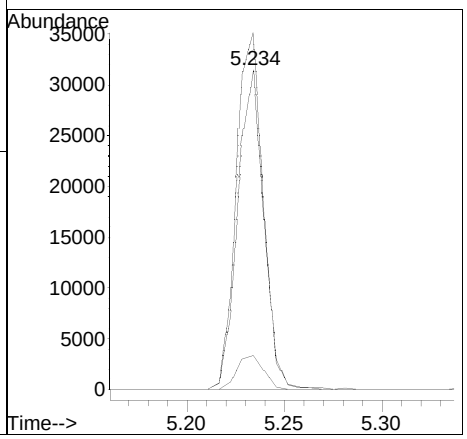


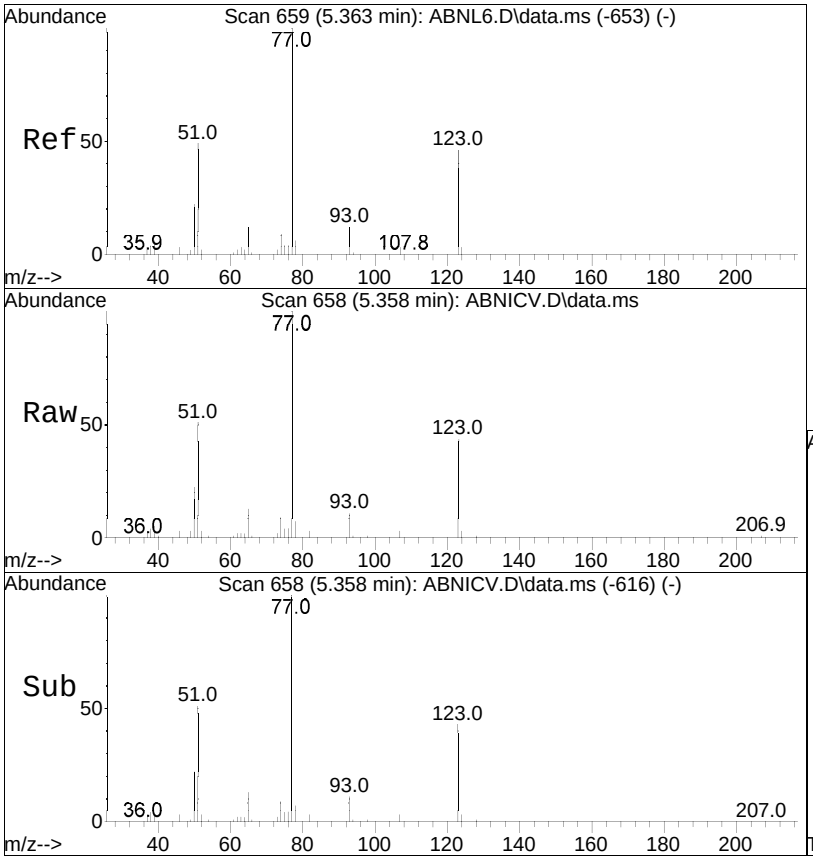


#18
3-Methylphenol/4-Methylphenol
Concen: 4.93 ug/ml
RT: 5.234 min Scan# 637
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 29223

Ion	Ratio	Lower	Upper
108	100		
107	114.7	88.8	133.2
90	10.8	9.0	13.6

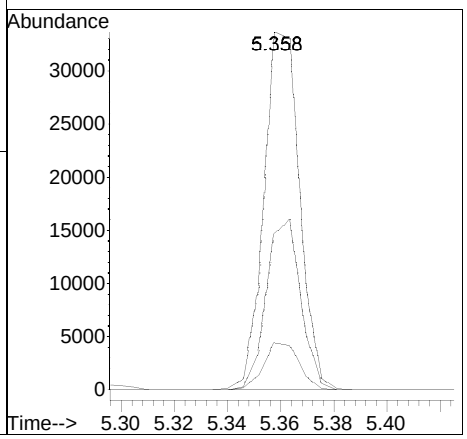


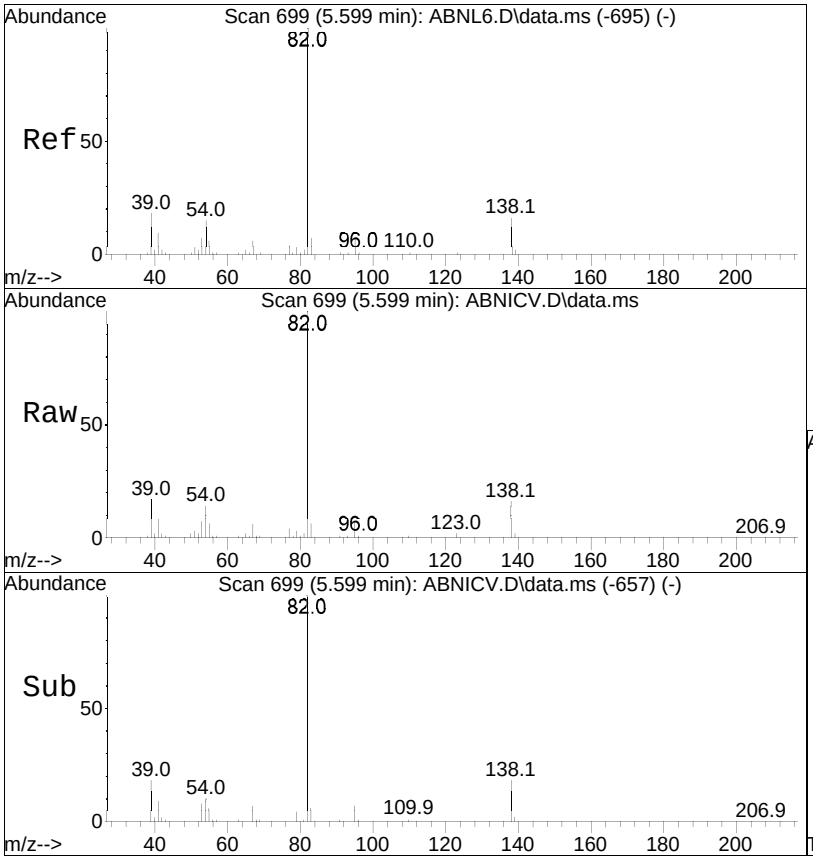


#20
Nitrobenzene
Concen: 4.69 ug/ml
RT: 5.358 min Scan# 658
Delta R.T. -0.005 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 31148

Ion	Ratio	Lower	Upper
77	100		
123	46.0	37.3	55.9
65	13.3	10.9	16.3

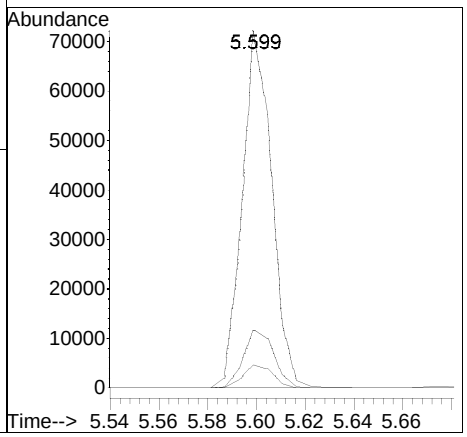


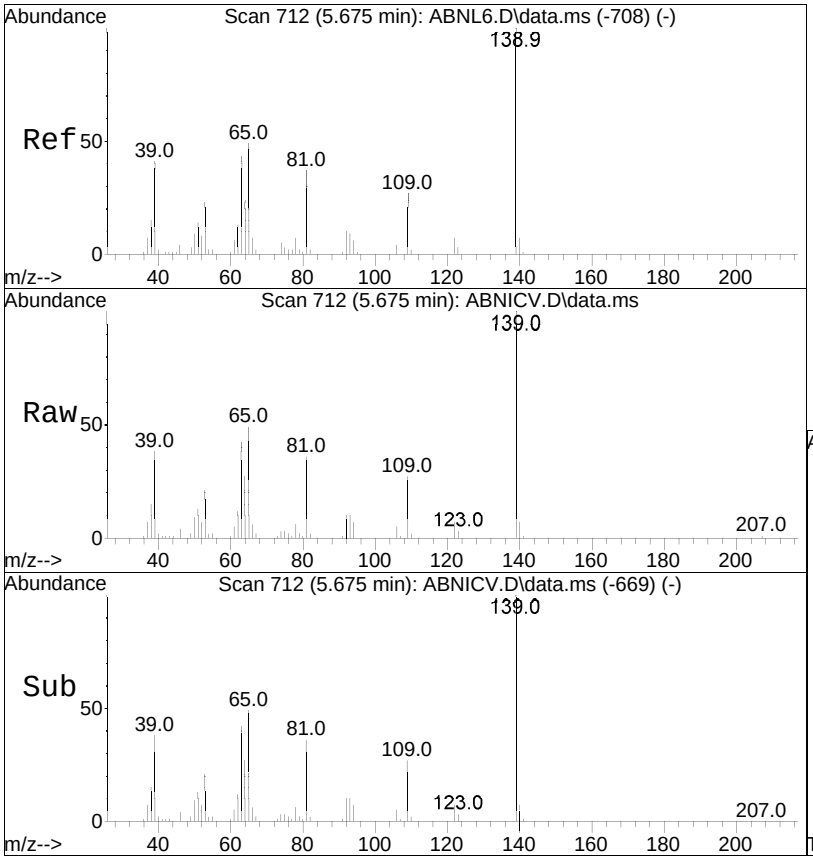


#21
Isophorone
Concen: 5.00 ug/ml
RT: 5.599 min Scan# 699
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 82 Resp: 59999

Ion	Ratio	Lower	Upper
82	100		
138	16.8	13.0	19.4
95	6.6	5.5	8.3

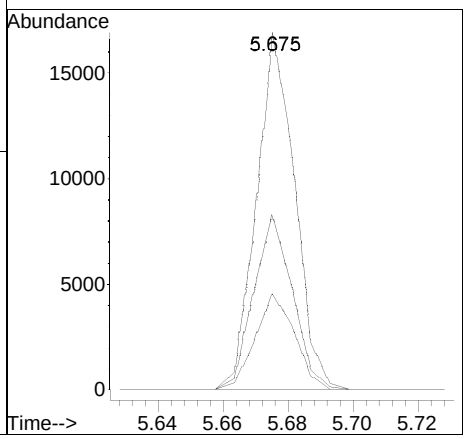


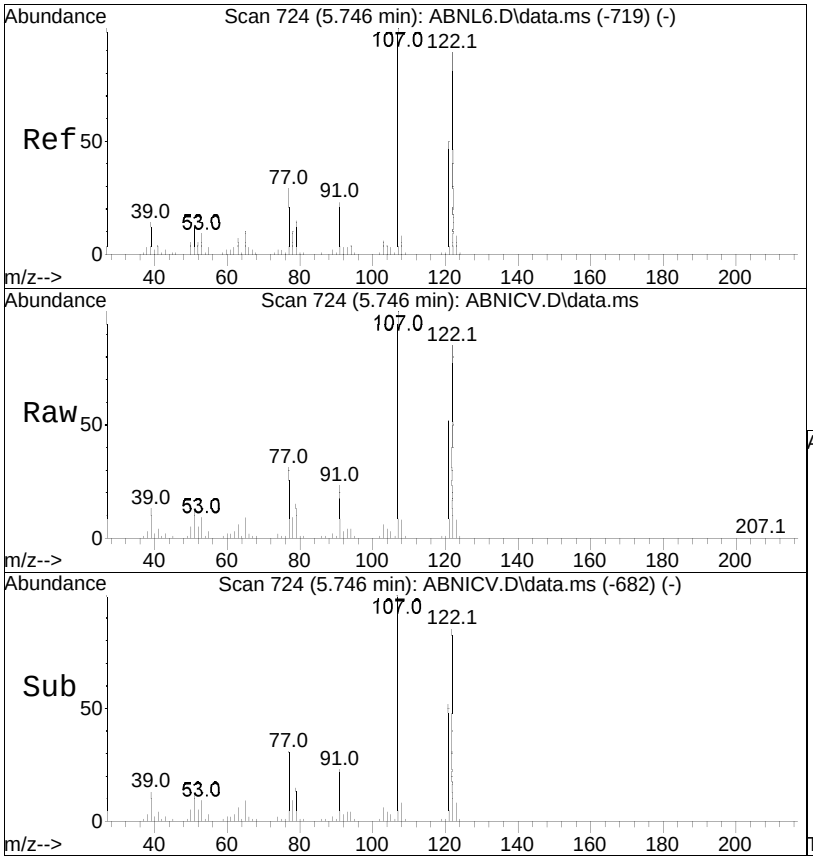


#22
2-Nitrophenol
Concen: 4.62 ug/ml
RT: 5.675 min Scan# 712
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:139 Resp: 13664

Ion	Ratio	Lower	Upper
139	100		
109	27.9	23.1	34.7
65	49.8	41.4	62.2

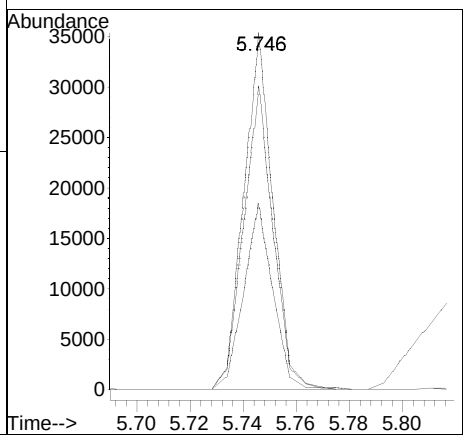


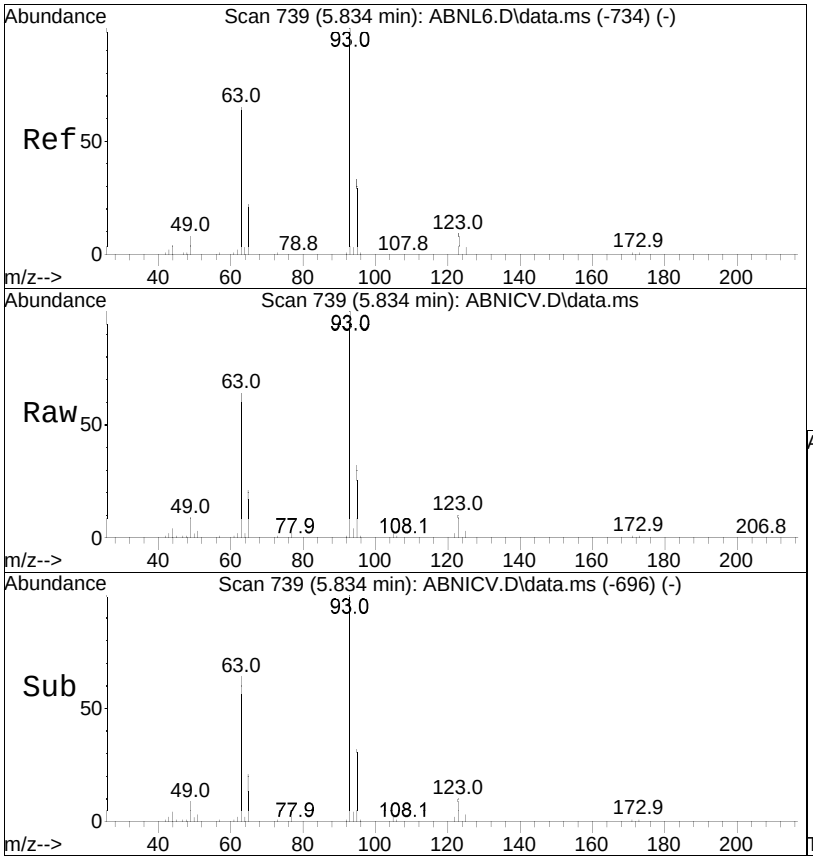


#23
2,4-Dimethylphenol
Concen: 4.72 ug/ml
RT: 5.746 min Scan# 724
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 26791

Ion	Ratio	Lower	Upper
107	100		
121	52.0	41.3	61.9
122	85.8	69.3	103.9

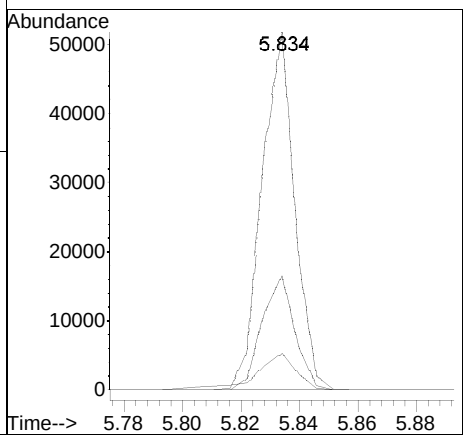


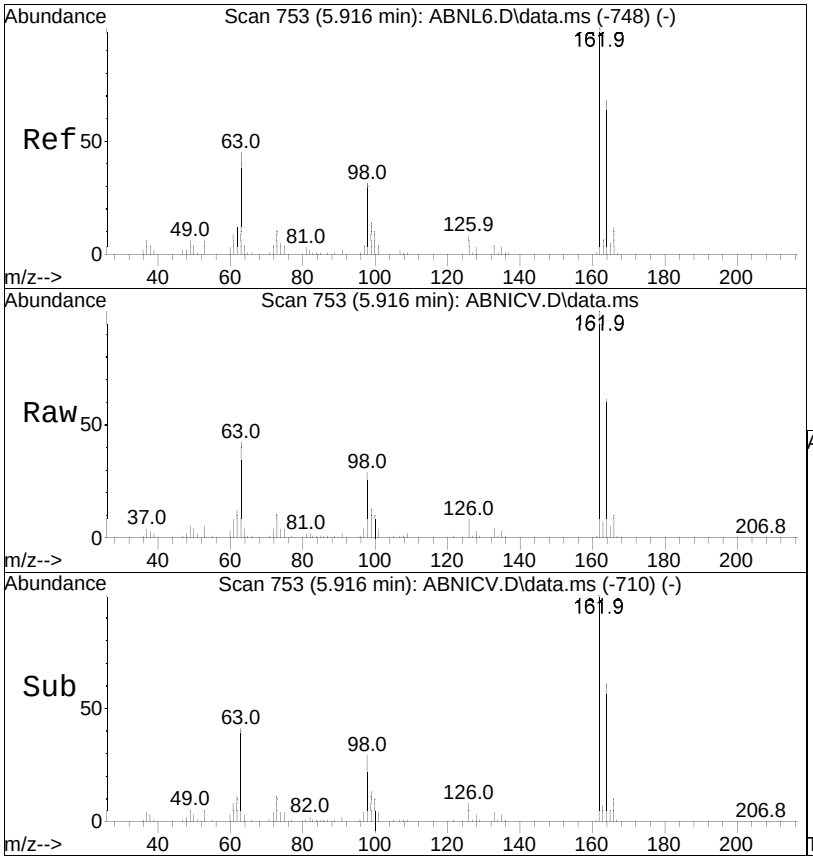


#24
Bis(2-chloroethoxy)methane
Concen: 4.93 ug/ml
RT: 5.834 min Scan# 739
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 39785

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	12.7	9.6	14.4

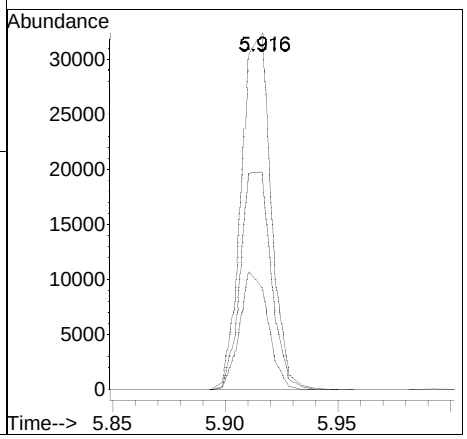


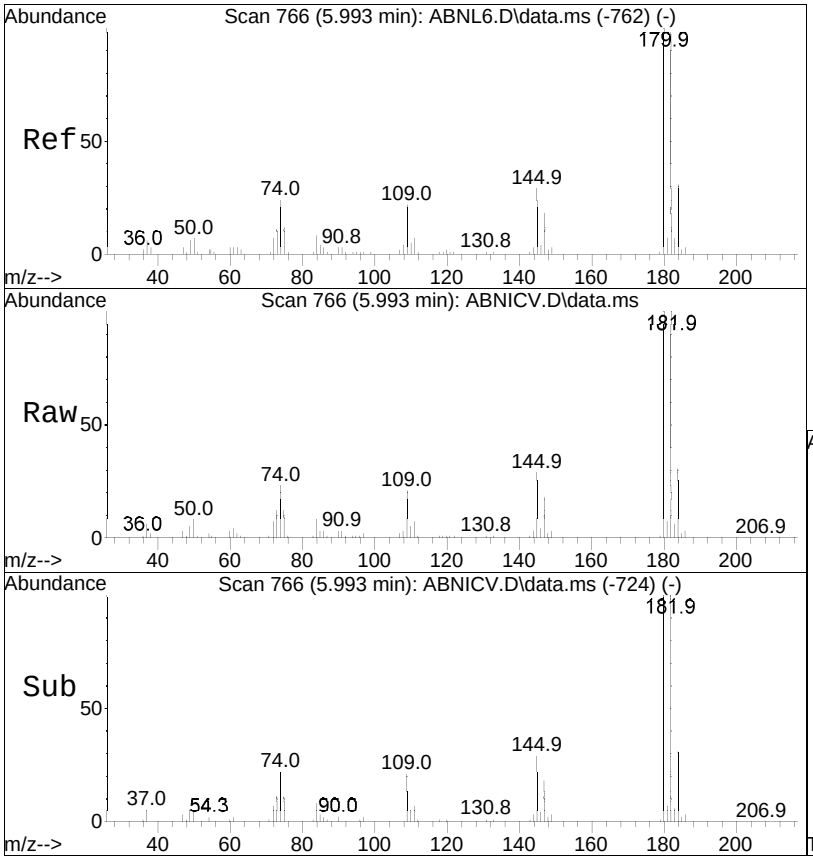


#25
2,4-Dichlorophenol
Concen: 4.99 ug/ml
RT: 5.916 min Scan# 753
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 29599

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.1	76.7
98	31.7	32.2	48.2#

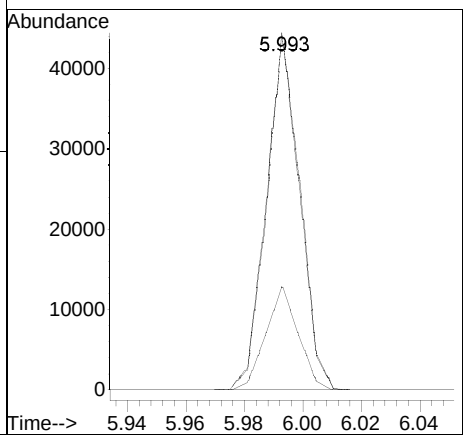


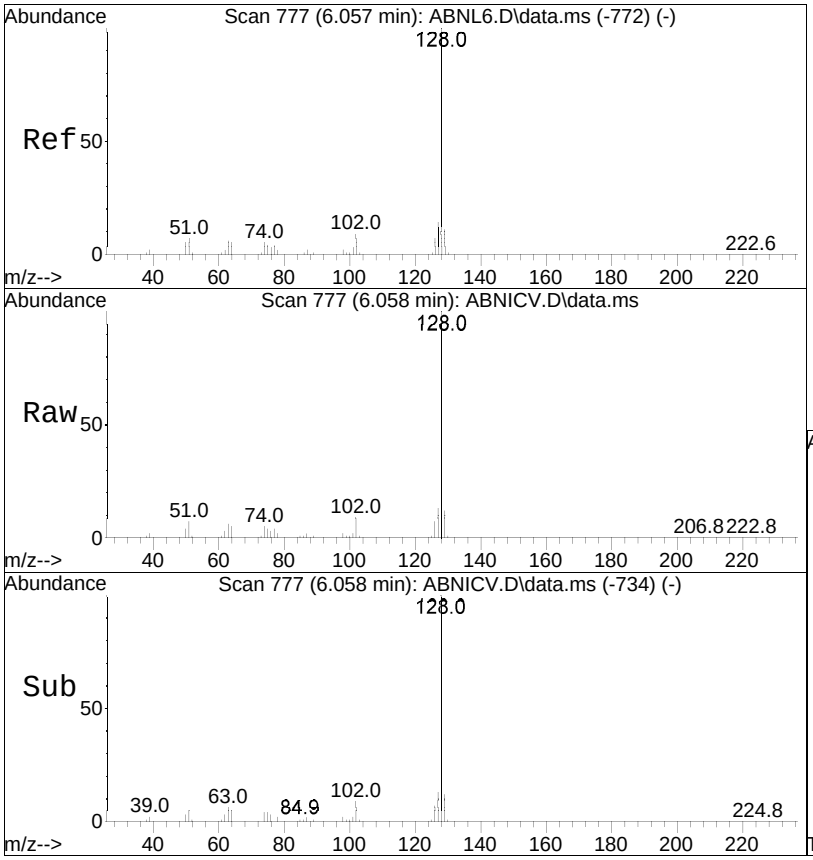


#26
1,2,4-Trichlorobenzene
Concen: 4.69 ug/ml
RT: 5.993 min Scan# 766
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:180 Resp: 35281

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	28.1	26.3	39.5

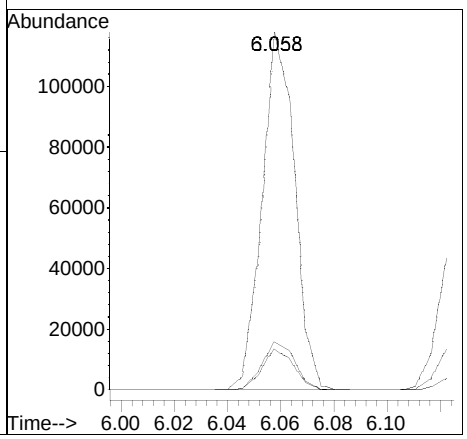


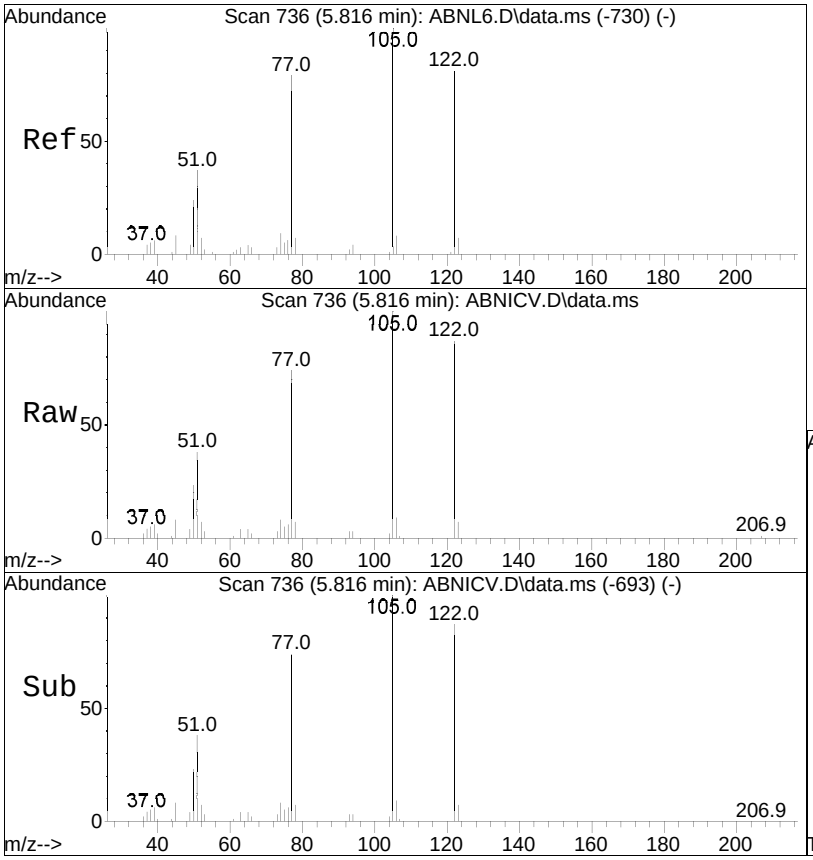


#36
Naphthalene
Concen: 4.72 ug/ml
RT: 6.058 min Scan# 777
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 99432

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

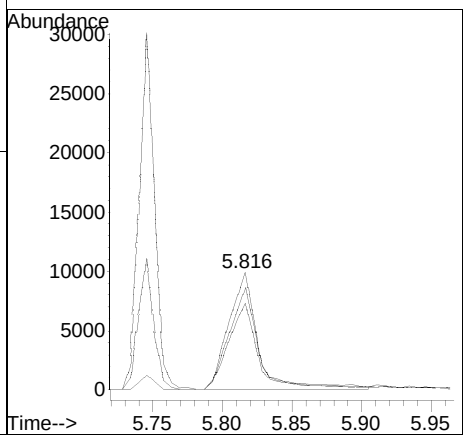


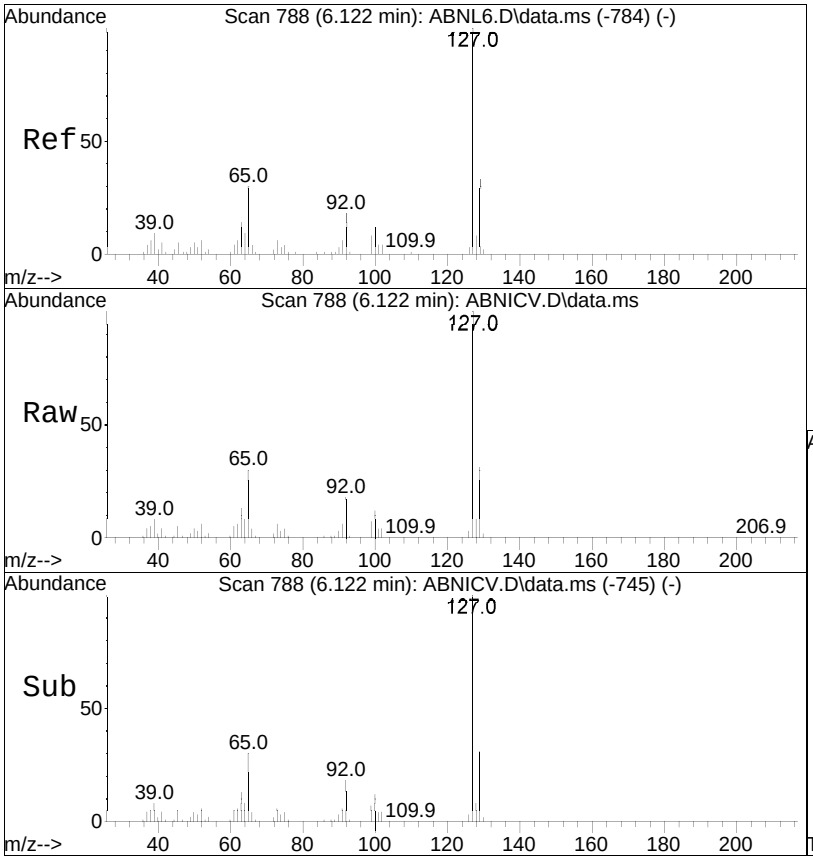


#37
Benzoic Acid
Concen: 4.28 ug/ml
RT: 5.816 min Scan# 736
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:105 Resp: 14641

Ion	Ratio	Lower	Upper
105	100		
122	86.0	62.6	93.8
77	74.5	59.1	88.7

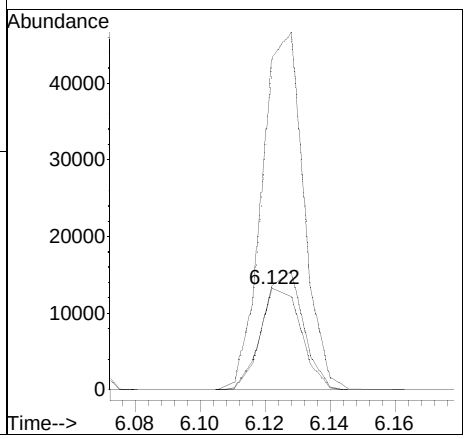


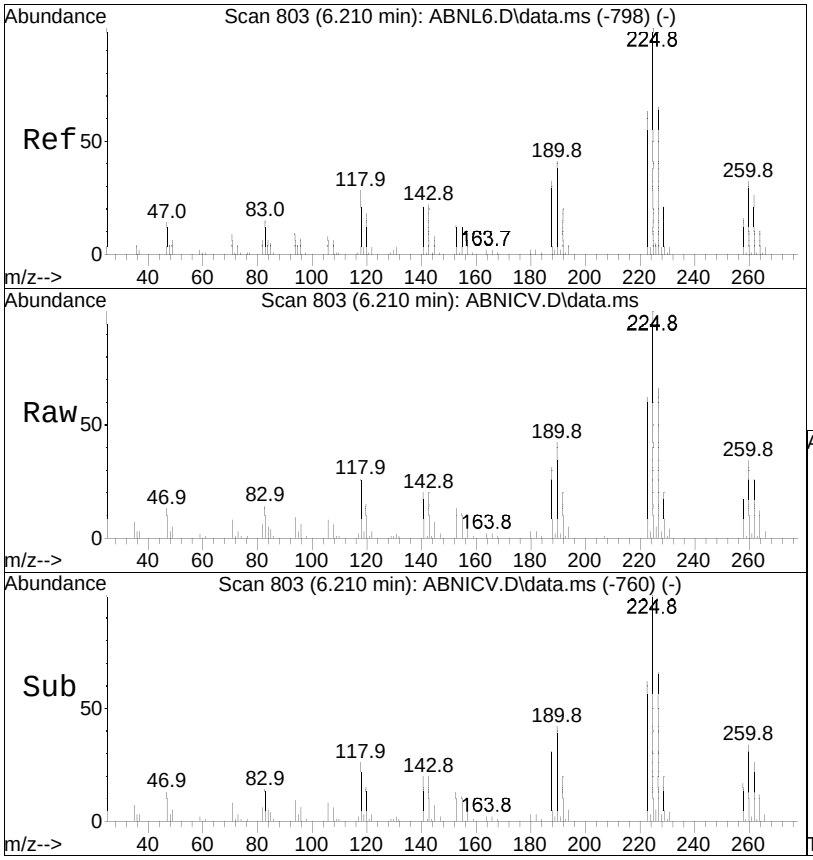


#38
4-Chloroaniline
Concen: 4.95 ug/ml
RT: 6.122 min Scan# 788
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 11724

Ion	Ratio	Lower	Upper
65	100		
127	353.6	266.2	399.4
129	113.3	85.0	127.4

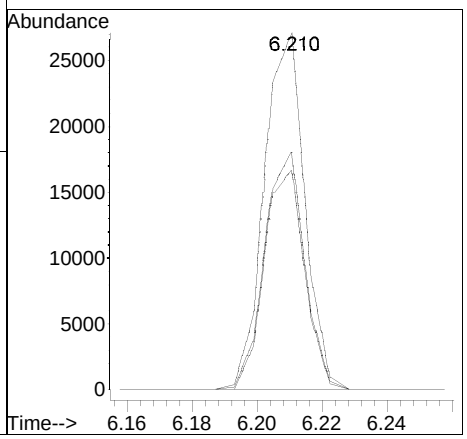


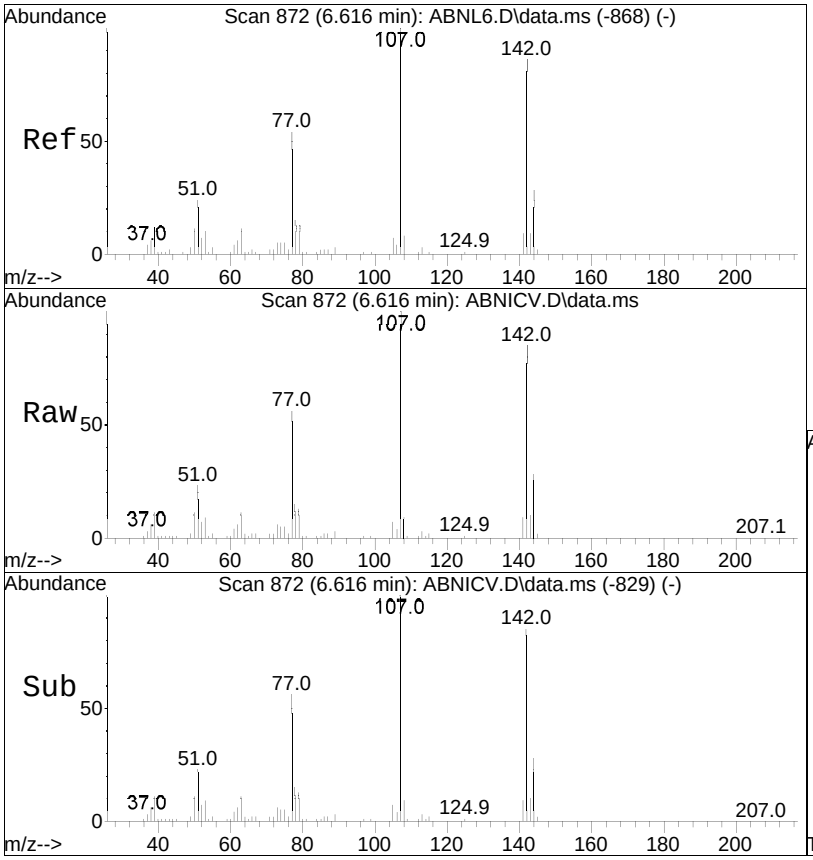


#39
Hexachlorobutadiene
Concen: 4.72 ug/ml
RT: 6.210 min Scan# 803
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:225 Resp: 23300

Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.5	75.7
227	66.2	50.4	75.6

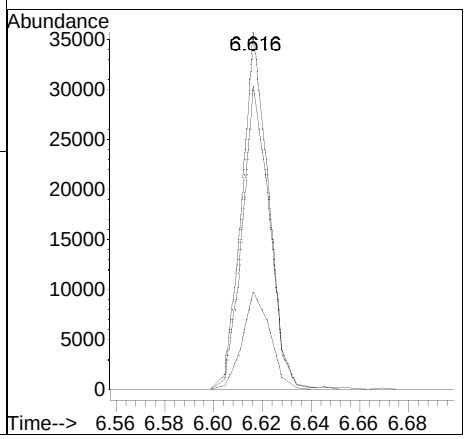


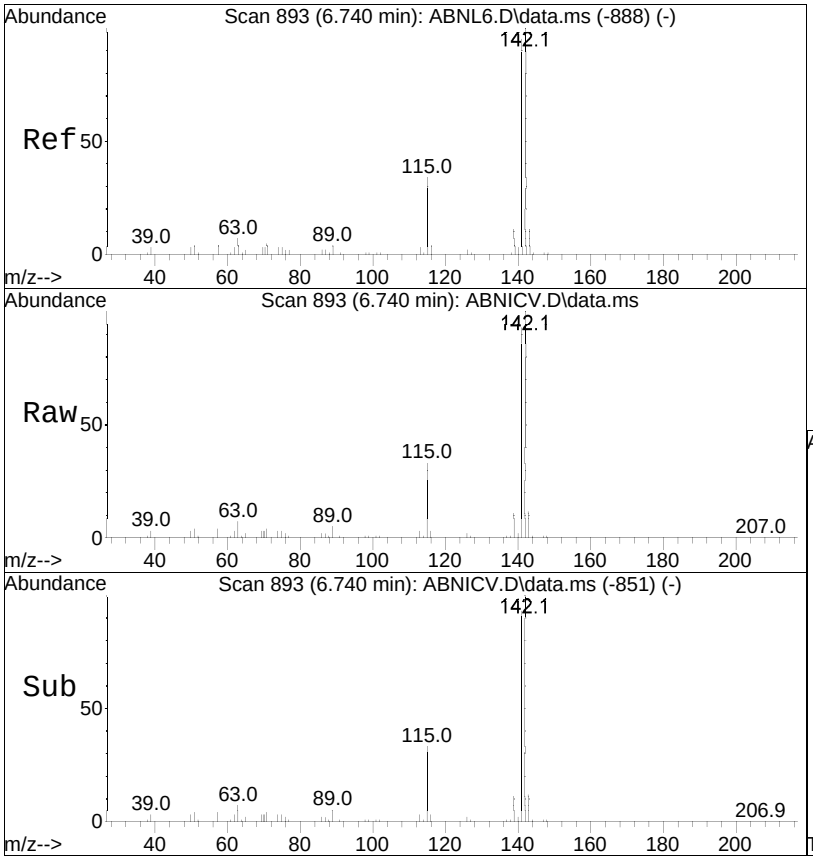


#40
p-Chloro-m-cresol
Concen: 4.89 ug/ml
RT: 6.616 min Scan# 872
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 27216

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.3	30.5
142	85.9	63.8	95.6

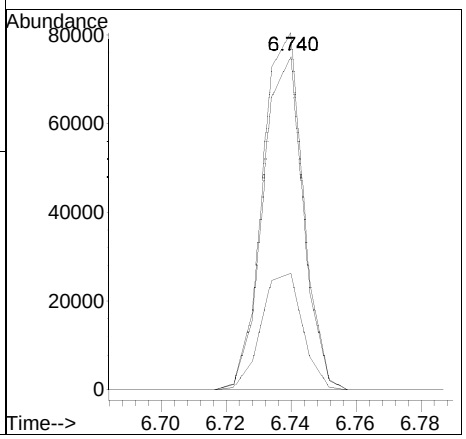


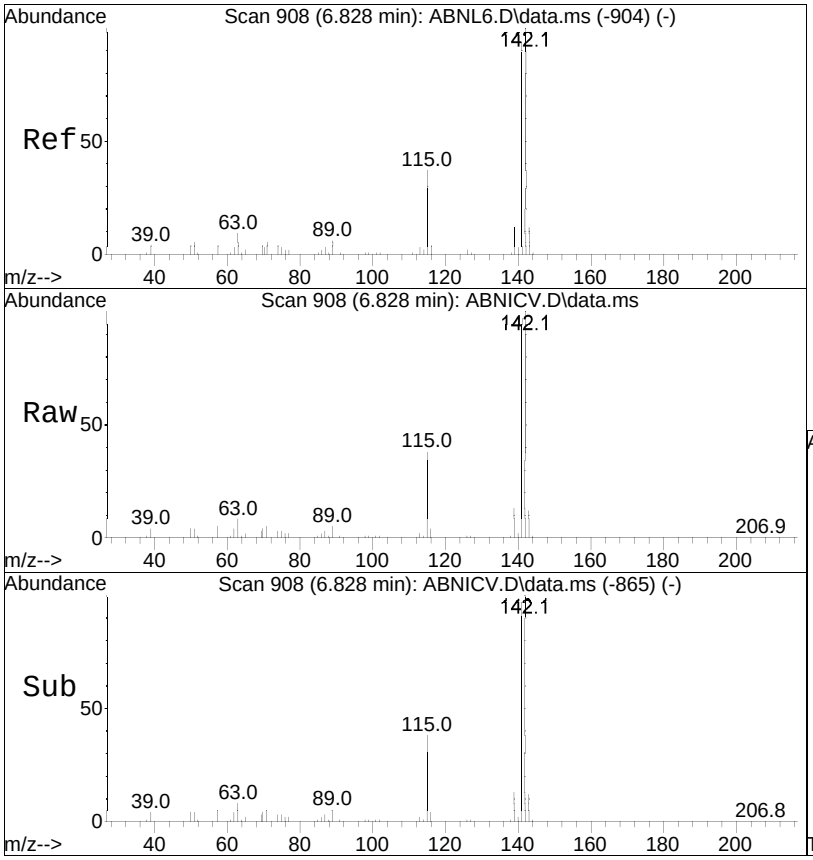


#41
2-Methylnaphthalene
Concen: 4.88 ug/ml
RT: 6.740 min Scan# 893
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:142 Resp: 69923

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.2	108.4
115	33.2	27.8	41.6

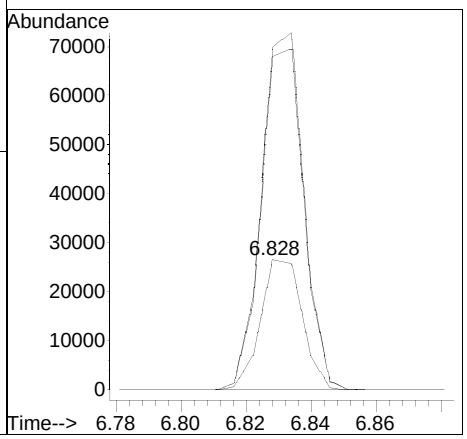


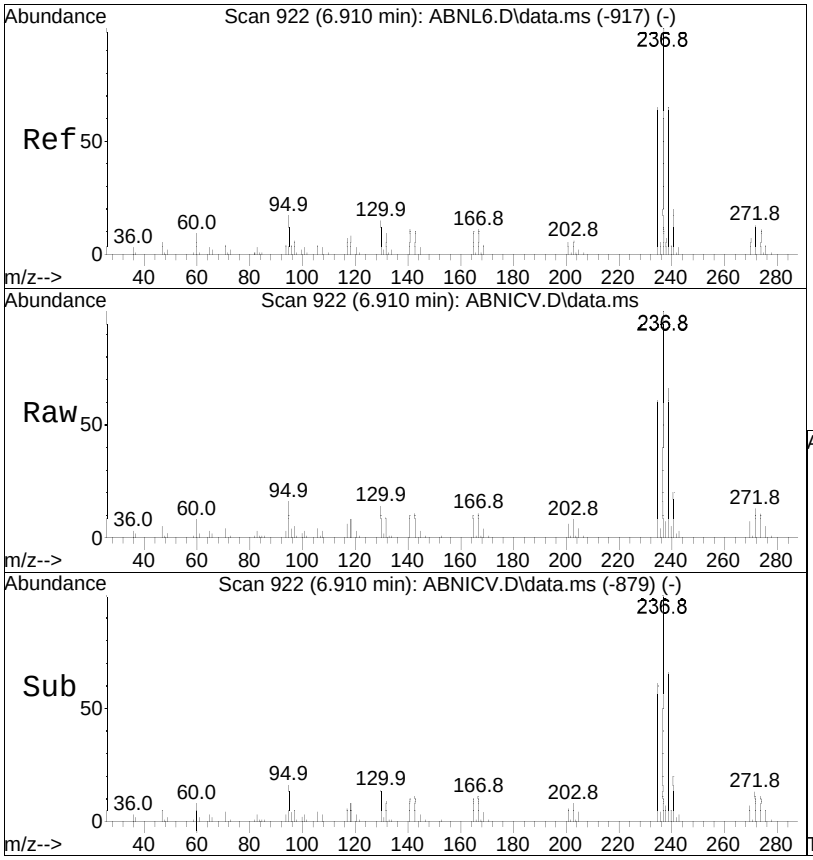


#42
1-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 6.828 min Scan# 908
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:115 Resp: 23877

Ion	Ratio	Lower	Upper
115	100		
141	264.8	205.4	308.2
142	275.6	220.2	330.4

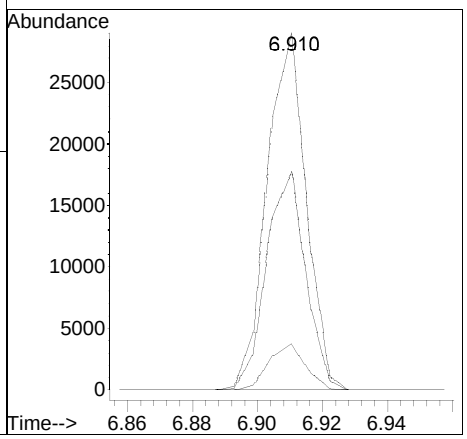


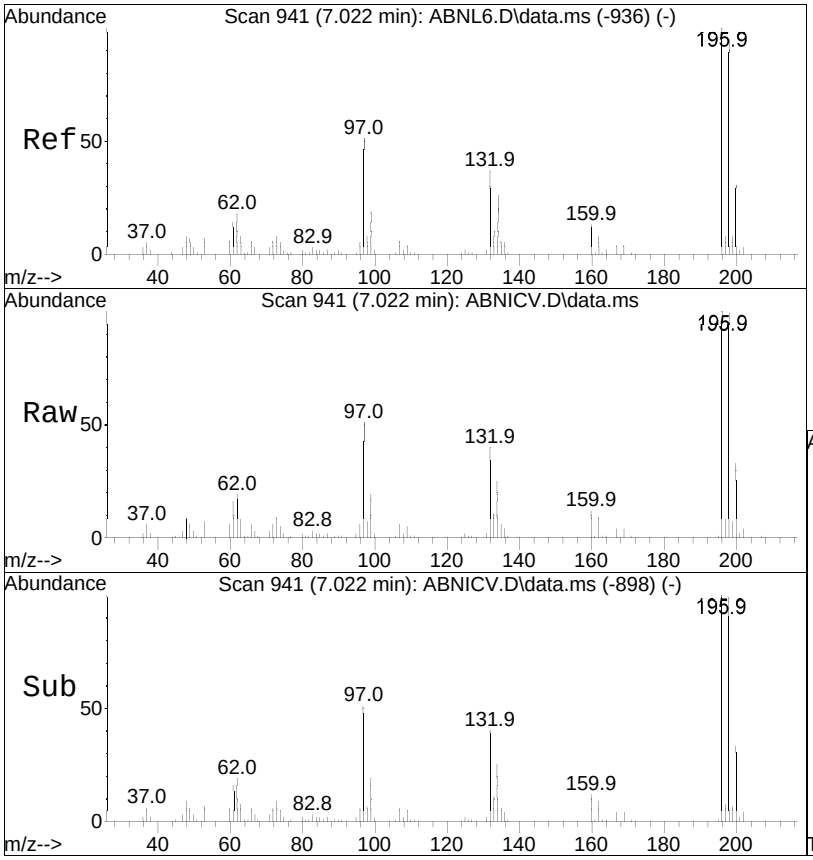


#43
Hexachlorocyclopentadiene
Concen: 4.80 ug/ml
RT: 6.910 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:237 Resp: 24201

Ion	Ratio	Lower	Upper
237	100		
235	61.5	50.9	76.3
272	12.2	10.1	15.1

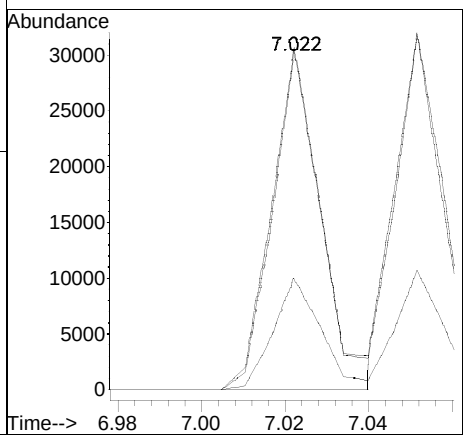


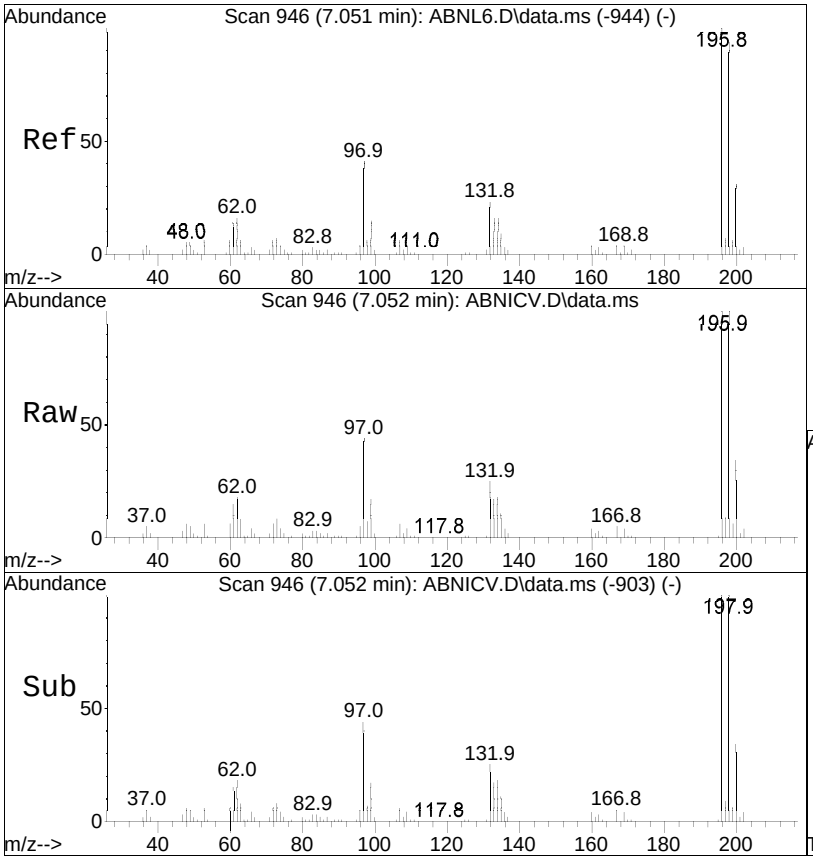


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 7.022 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25194

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.4	114.6
200	31.9	24.4	36.6

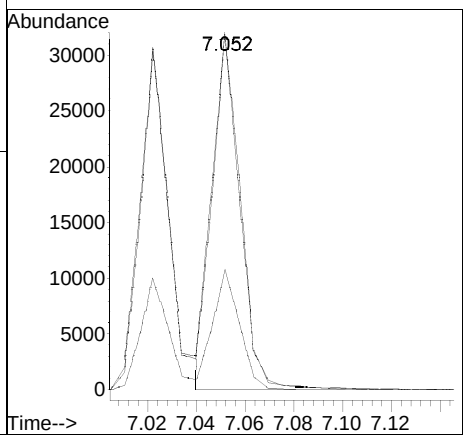


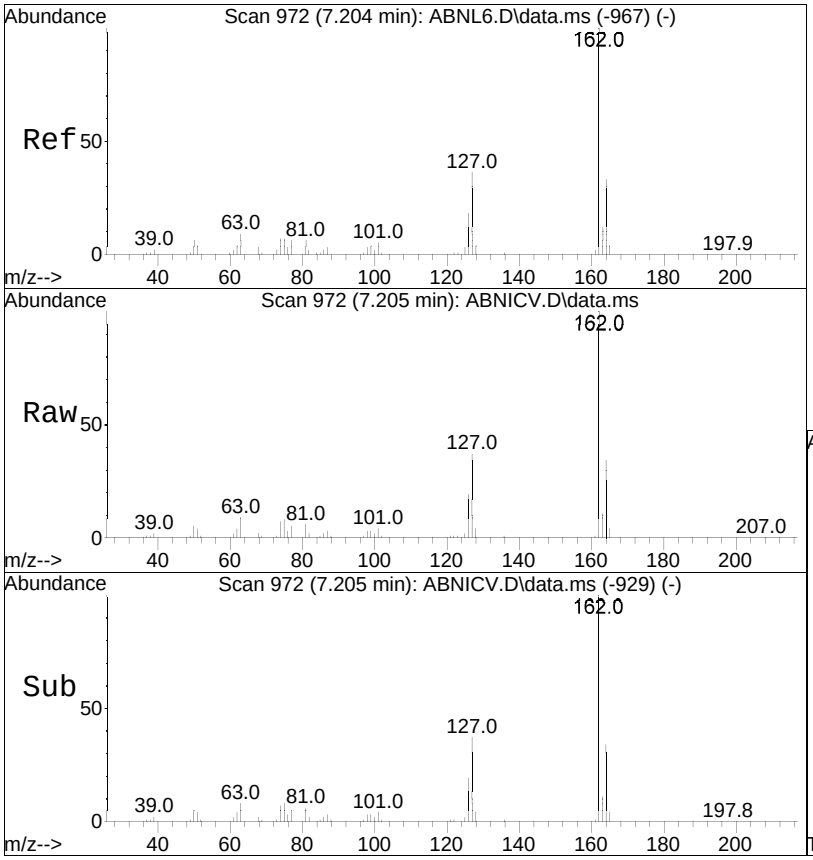


#45
2,4,5-Trichlorophenol
Concen: 4.93 ug/ml
RT: 7.052 min Scan# 946
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25978

Ion	Ratio	Lower	Upper
196	100		
200	31.6	24.2	36.4
198	96.3	76.2	114.2

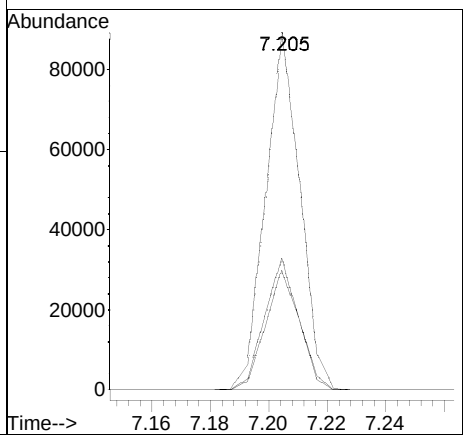


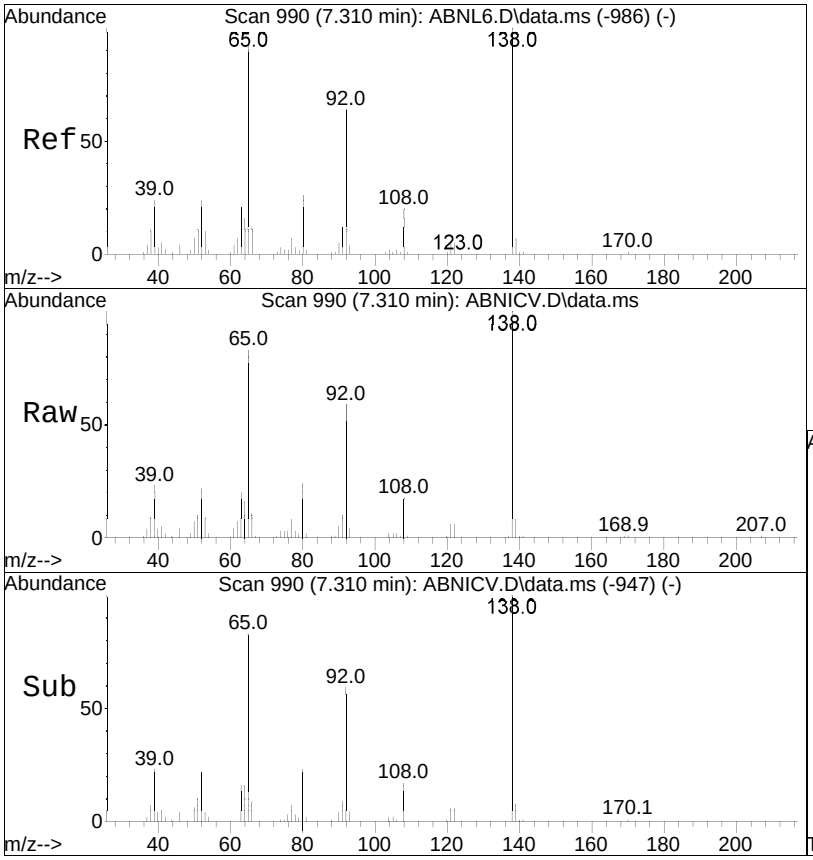


#47
2-Chloronaphthalene
Concen: 4.71 ug/ml
RT: 7.205 min Scan# 972
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 71799

Ion	Ratio	Lower	Upper
162	100		
127	36.5	33.8	50.6
164	33.9	25.8	38.6

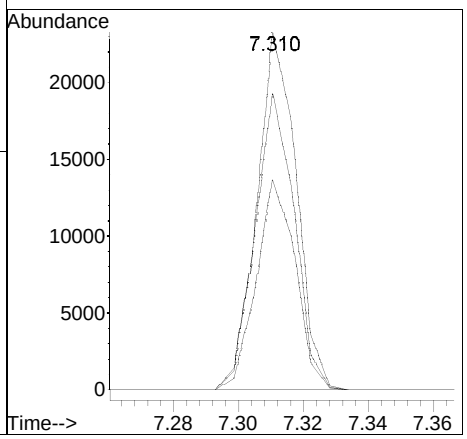


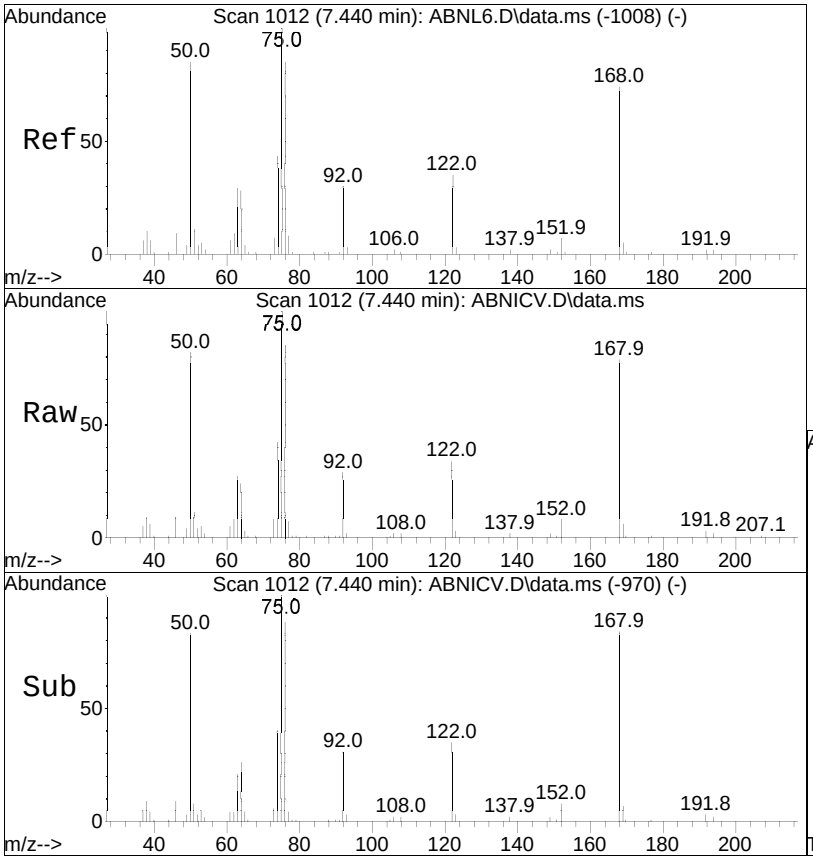


#48
2-Nitroaniline
Concen: 4.79 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19285

Ion	Ratio	Lower	Upper
138	100		
92	58.5	52.1	78.1
65	83.2	75.9	113.9

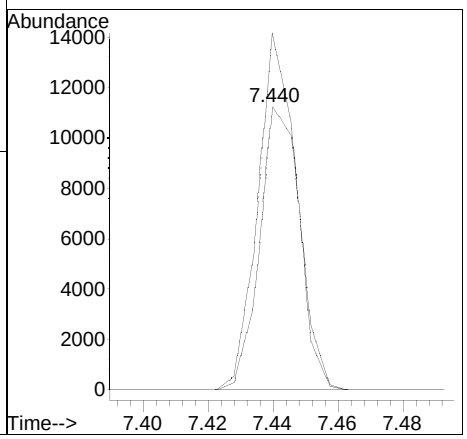


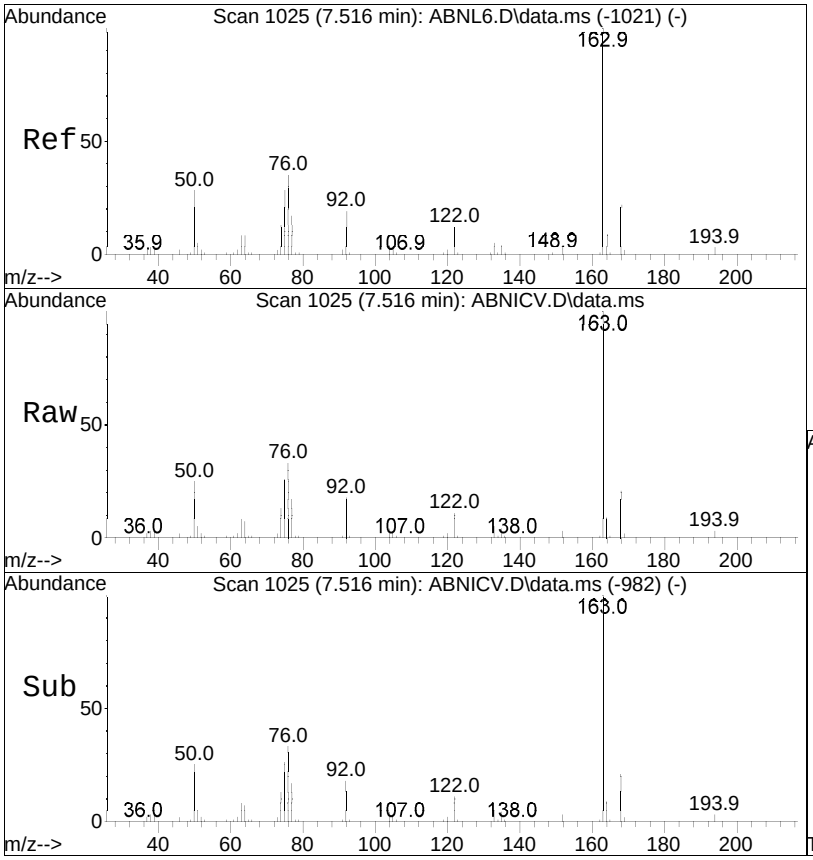


#49
1,4-Dinitrobenzene
Concen: 4.95 ug/ml
RT: 7.440 min Scan# 1012
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 9774

Ion	Ratio	Lower	Upper
168	100		
75	118.0	111.0	166.4

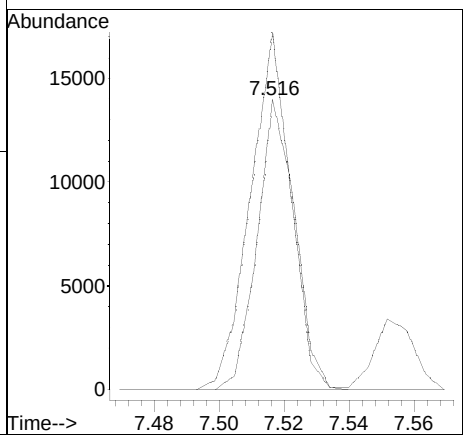


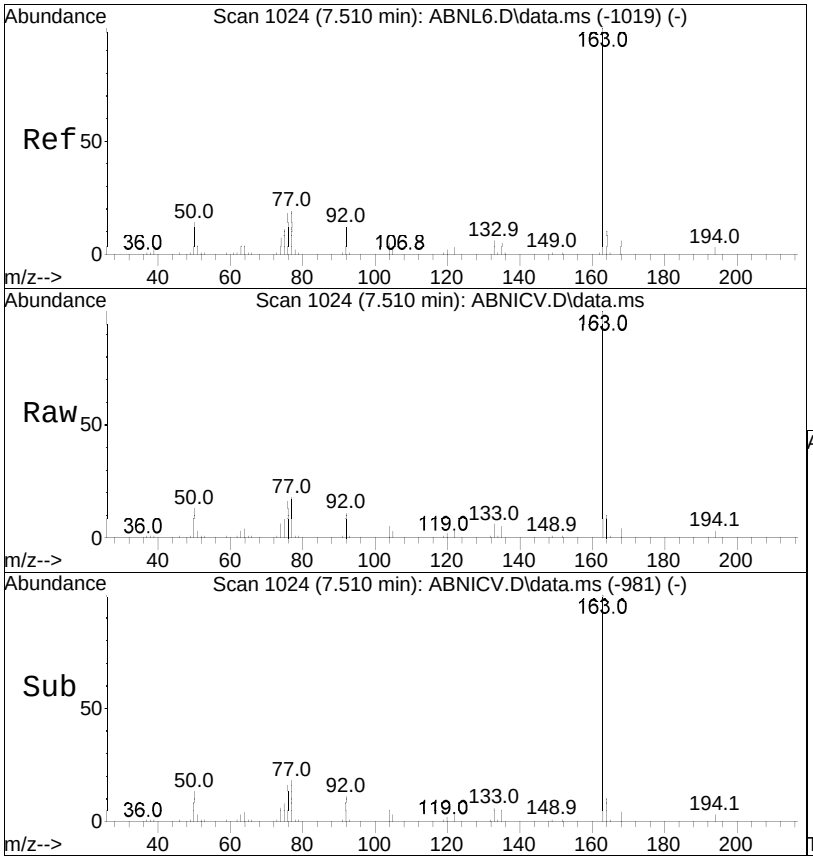


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 7.516 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 11190

Ion	Ratio	Lower	Upper
168	100		
75	131.7	116.4	174.6

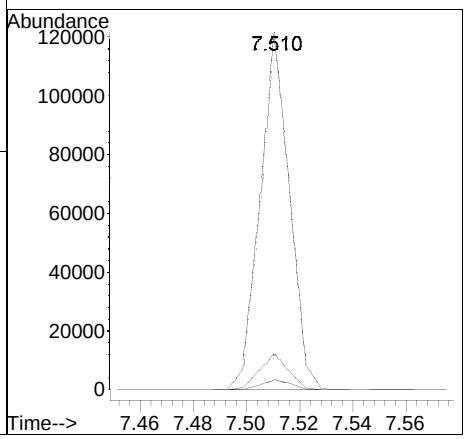


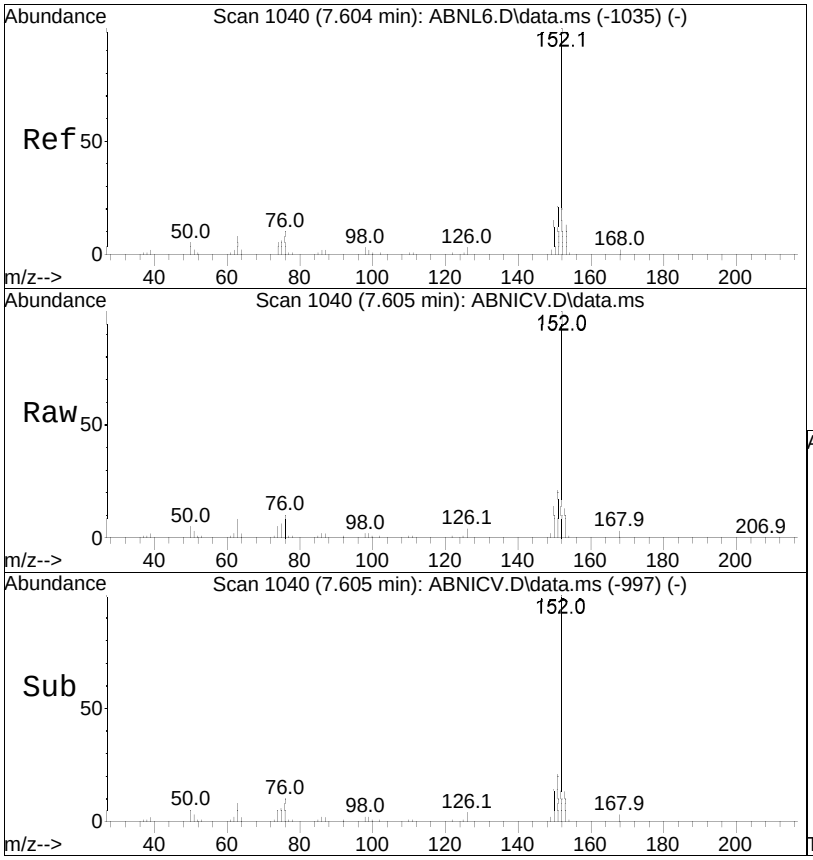


#51
Dimethyl phthalate
Concen: 4.95 ug/ml
RT: 7.510 min Scan# 1024
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:163 Resp: 91883

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.3	3.5
164	10.0	8.2	12.2

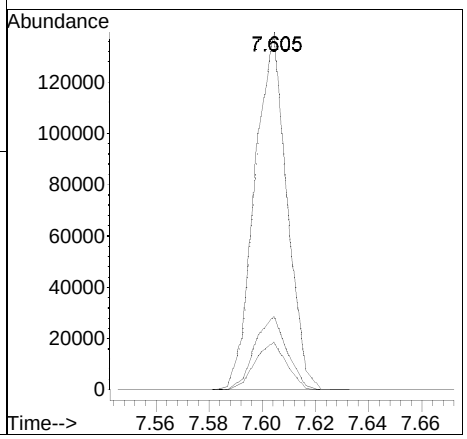


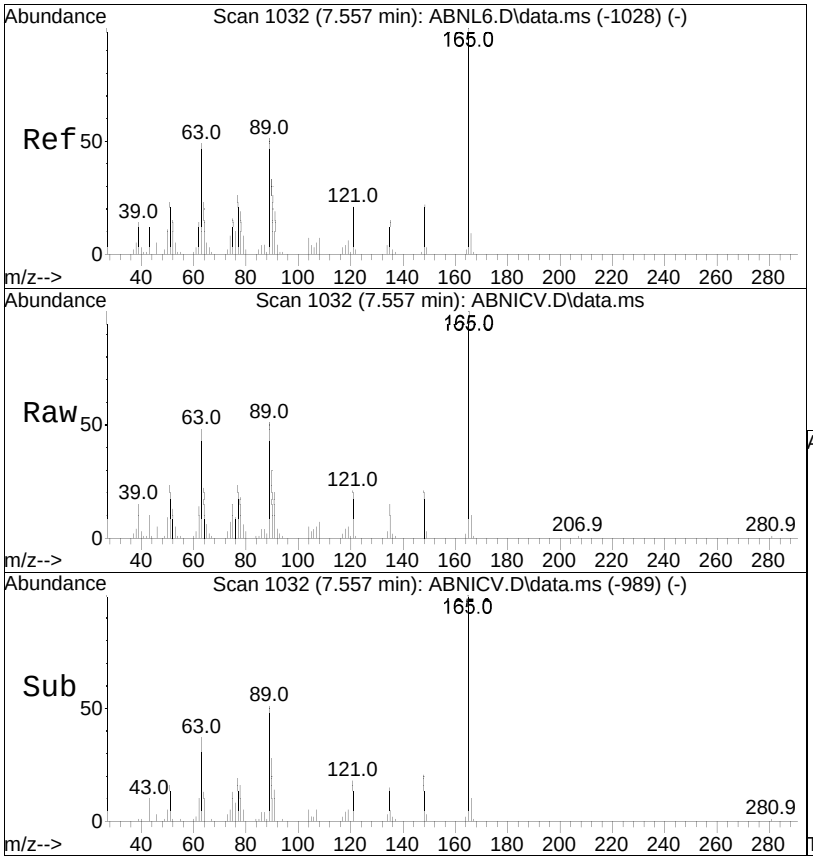


#52
Acenaphthylene
Concen: 5.14 ug/ml
RT: 7.605 min Scan# 1040
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:152 Resp: 115716

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	13.4	10.5	15.7

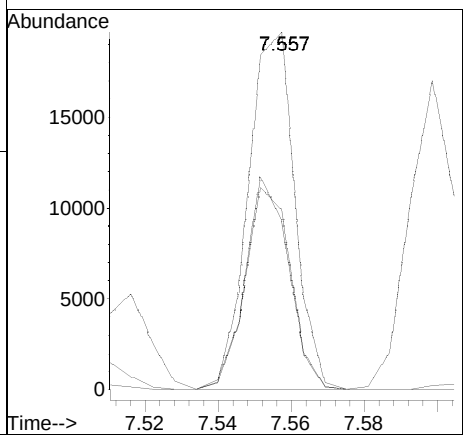


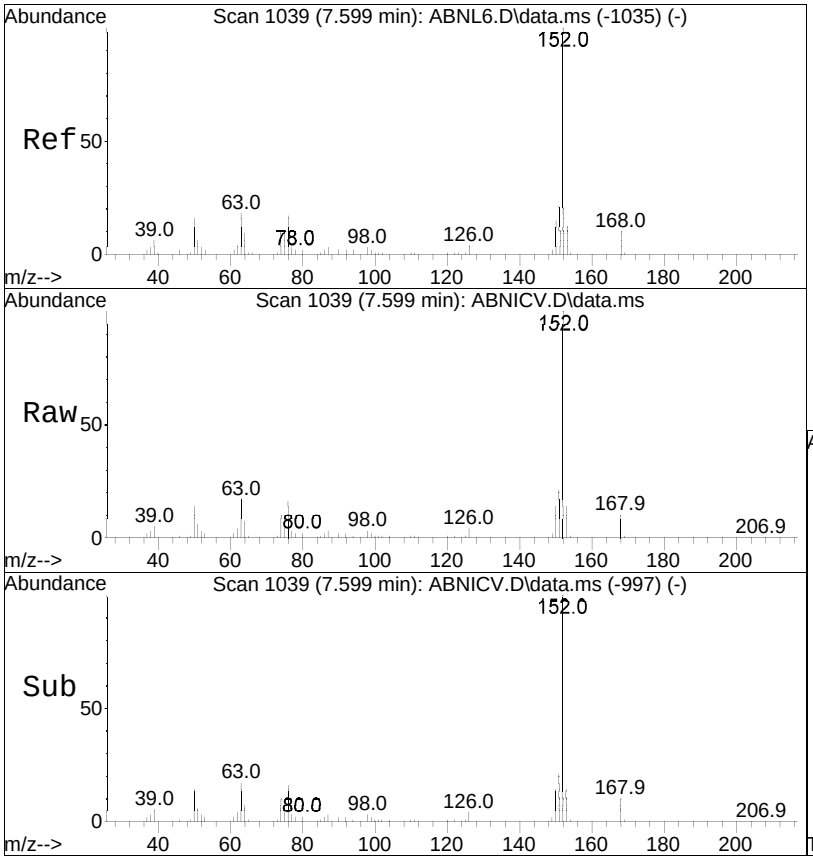


#53
2,6-Dinitrotoluene
Concen: 5.01 ug/ml
RT: 7.557 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 17365

Ion	Ratio	Lower	Upper
165	100		
89	55.6	48.8	73.2
63	55.8	50.5	75.7

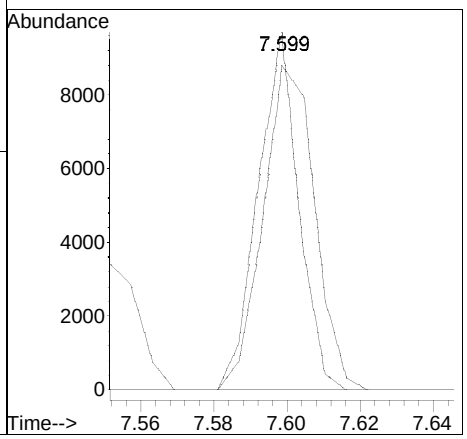


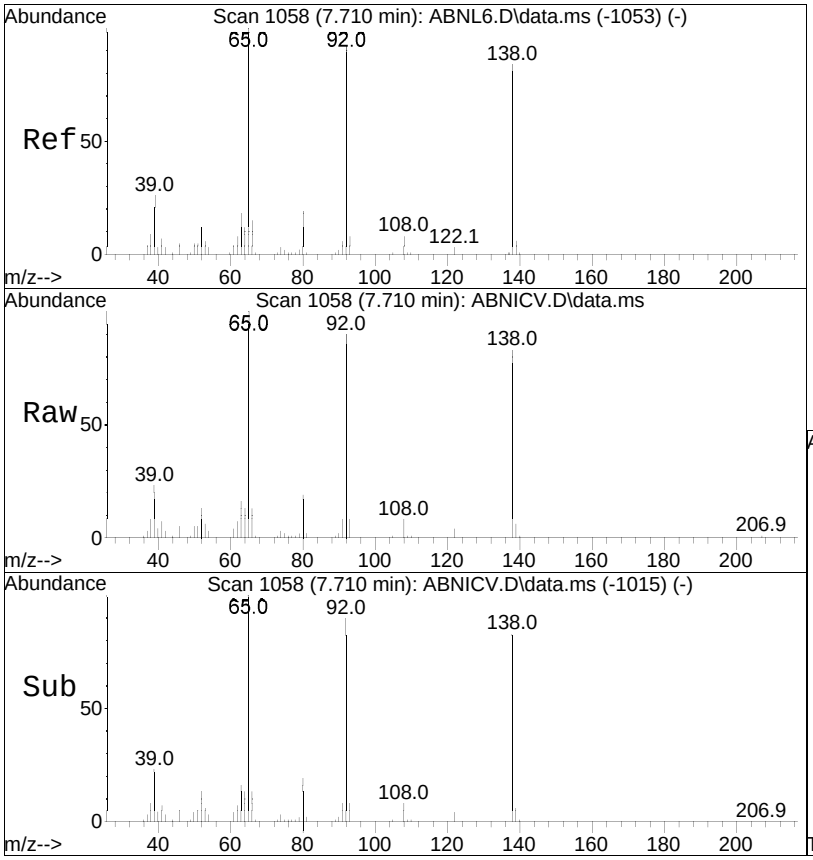


#54
1,2-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 7.599 min Scan# 1039
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 7435

Ion	Ratio	Lower	Upper
168	100		
75	115.4	32.2	48.2#

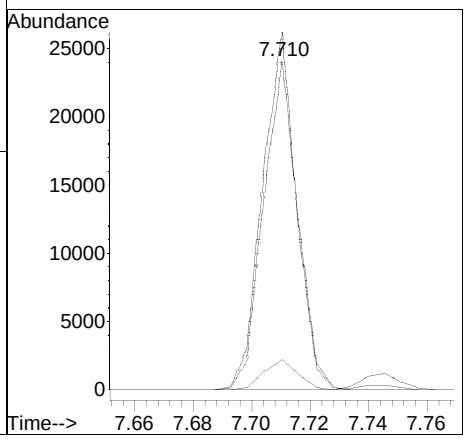


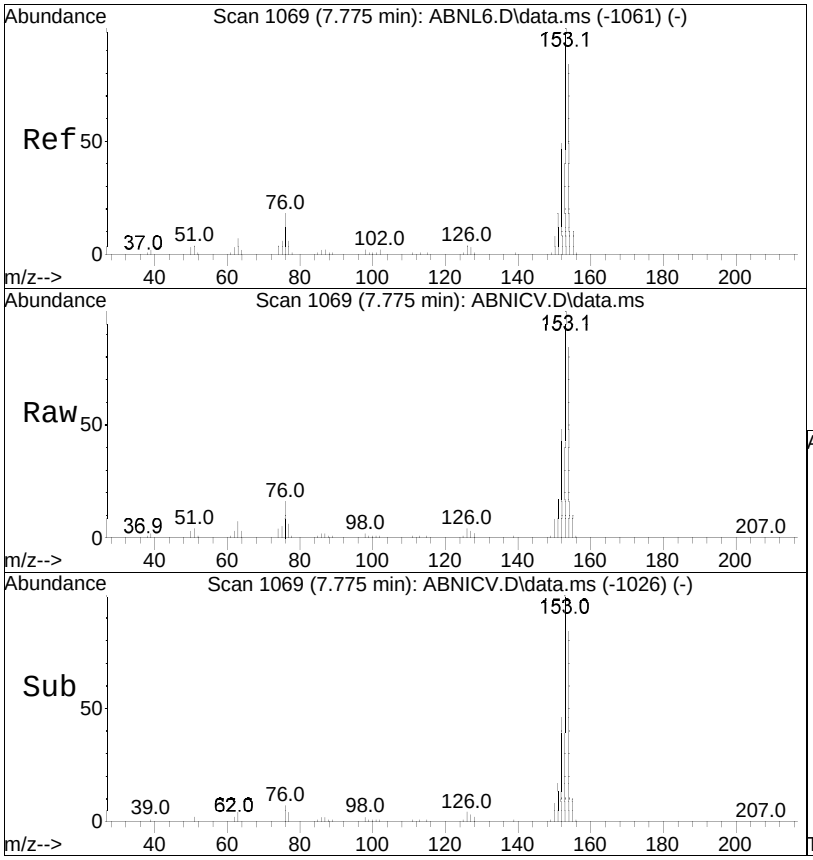


#64
3-Nitroaniline
Concen: 4.92 ug/ml
RT: 7.710 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19395

Ion	Ratio	Lower	Upper
138	100		
92	107.4	92.8	139.2
108	9.2	7.9	11.9

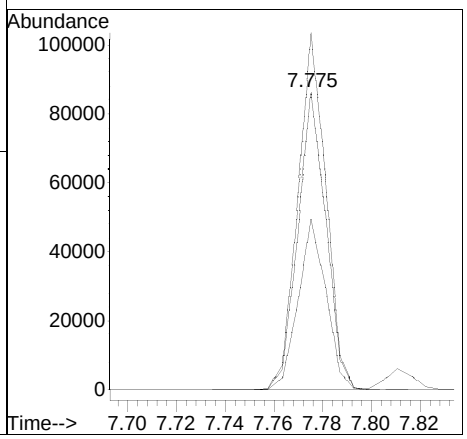


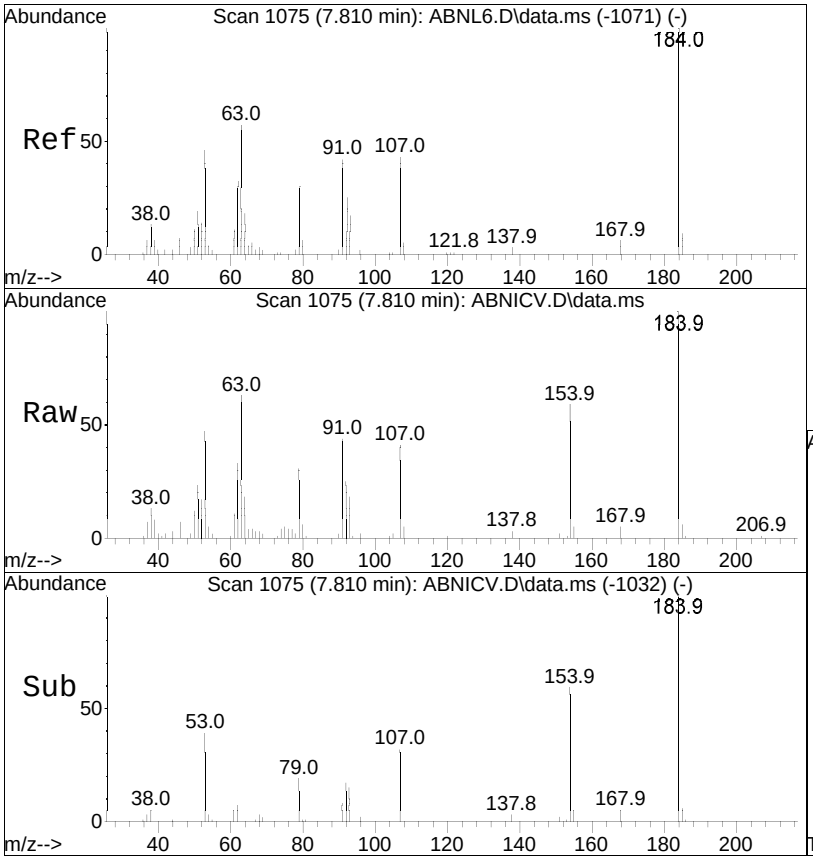


#65
Acenaphthene
Concen: 4.70 ug/ml
RT: 7.775 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:154 Resp: 69117

Ion	Ratio	Lower	Upper
154	100		
153	119.3	93.0	139.4
152	56.9	43.3	64.9

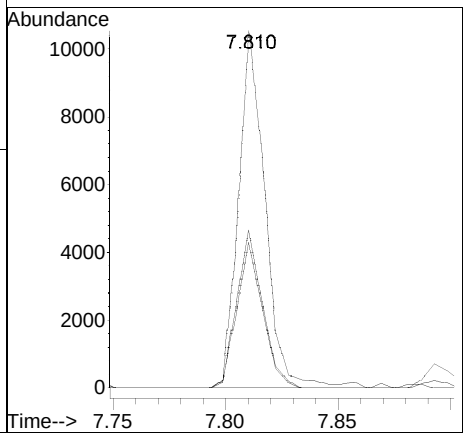


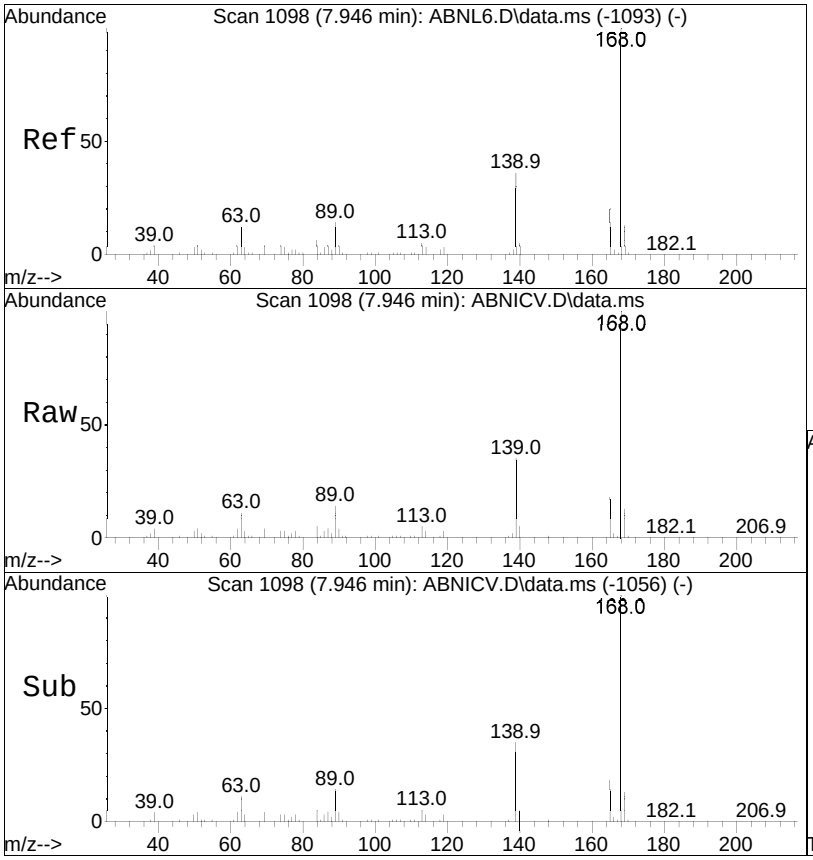


#66
2,4-Dinitrophenol
Concen: 4.10 ug/ml
RT: 7.810 min Scan# 1075
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 8557

Ion	Ratio	Lower	Upper
184	100		
107	39.8	41.8	62.6#
91	43.2	44.2	66.2#

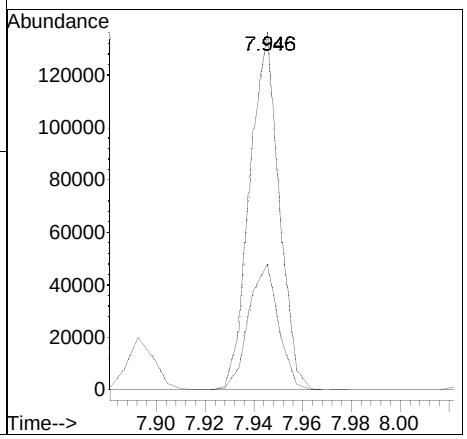


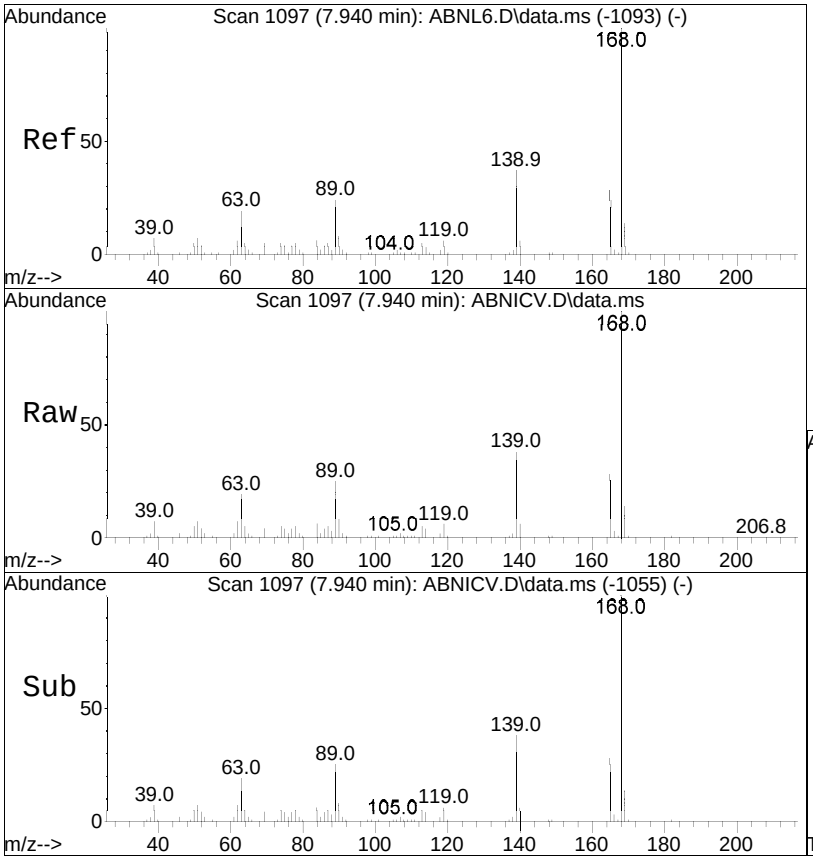


#67
Dibenzofuran
Concen: 4.68 ug/ml
RT: 7.946 min Scan# 1098
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 113504

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

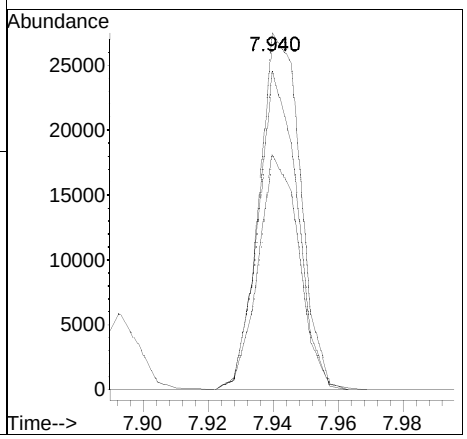


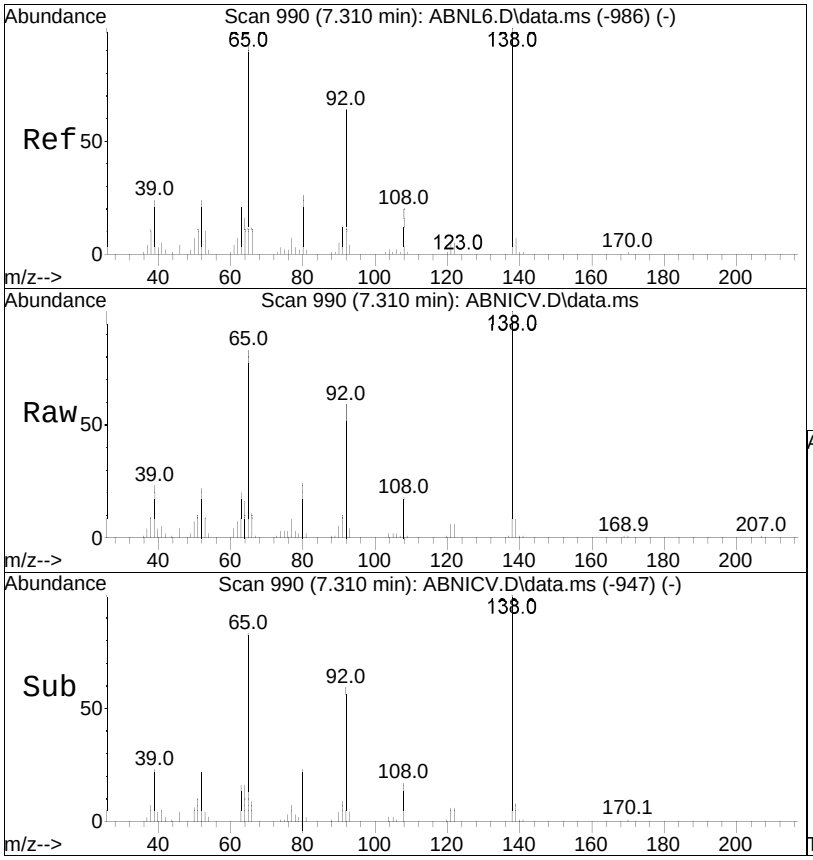


#68
2,4-Dinitrotoluene
Concen: 4.78 ug/ml
RT: 7.940 min Scan# 1097
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 24166

Ion	Ratio	Lower	Upper
165	100		
89	83.8	73.0	109.4
63	65.2	56.3	84.5

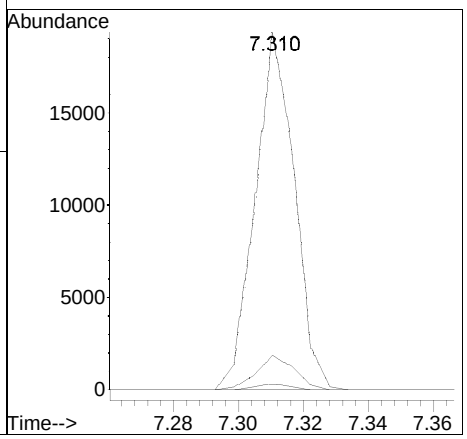


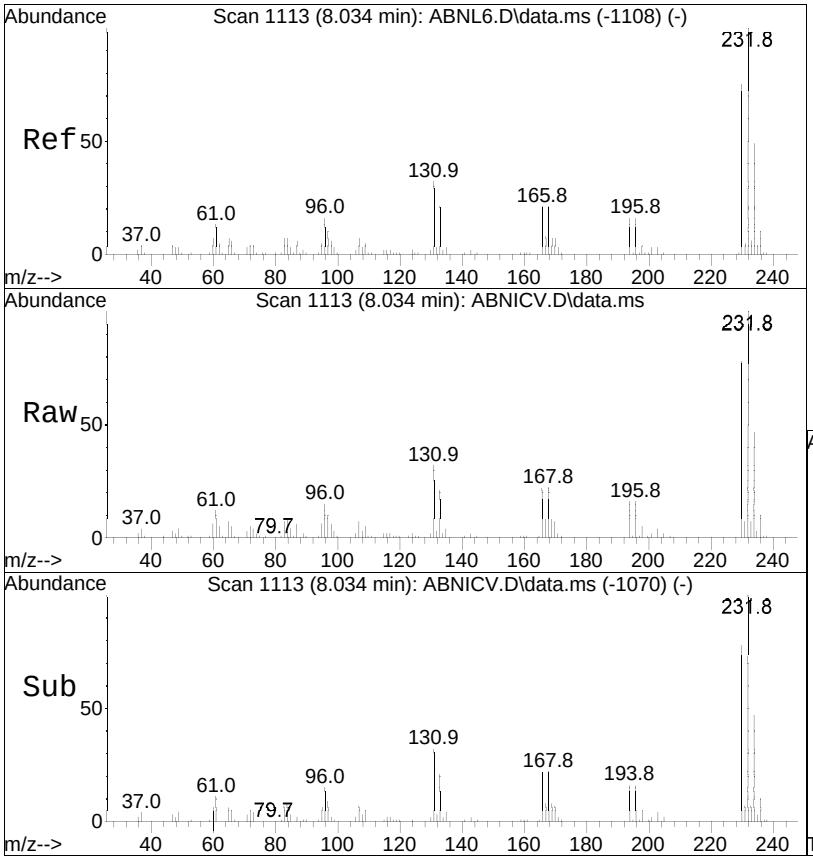


#69
4-Nitrophenol
Concen: 4.20 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 16049

Ion	Ratio	Lower	Upper
65	100		
109	0.0	60.2	90.2#
139	9.5	81.1	121.7#

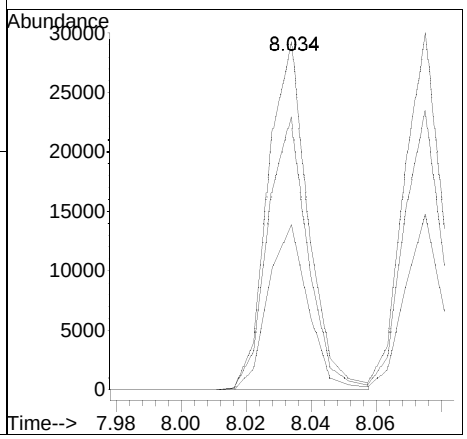


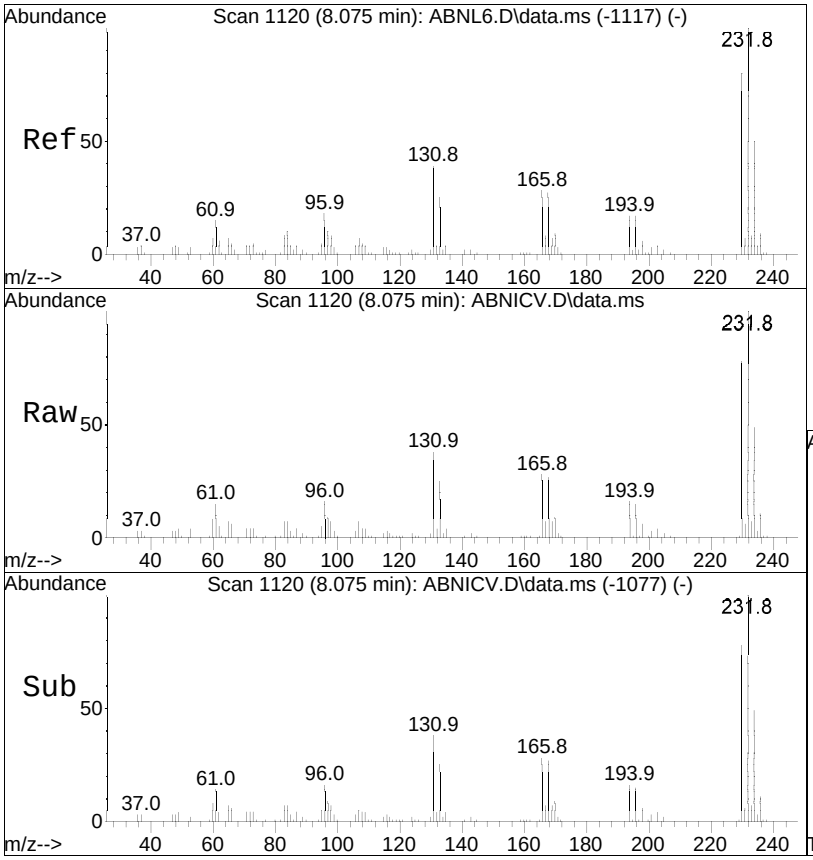


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.06 ug/ml
RT: 8.034 min Scan# 1113
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25150

Ion	Ratio	Lower	Upper
232	100		
230	78.4	63.8	95.8
234	47.4	38.3	57.5

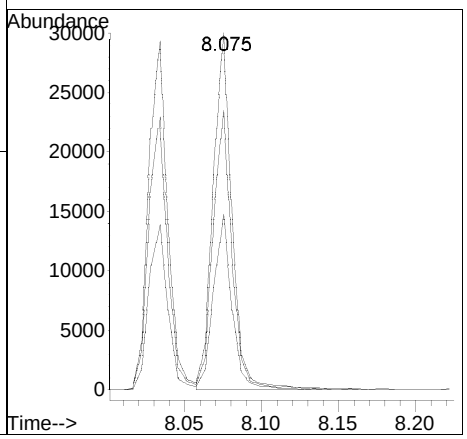


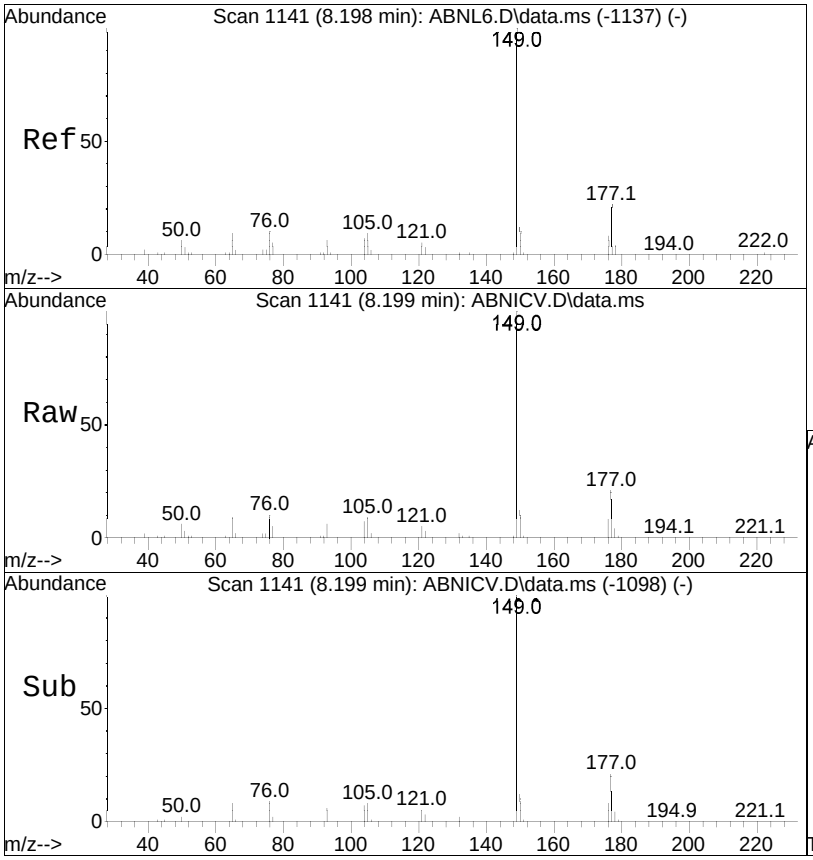


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.30 ug/ml
RT: 8.075 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25875

Ion	Ratio	Lower	Upper
232	100		
230	78.0	63.8	95.8
234	47.7	39.0	58.6

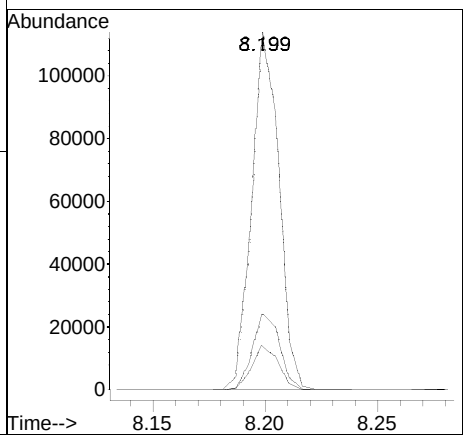


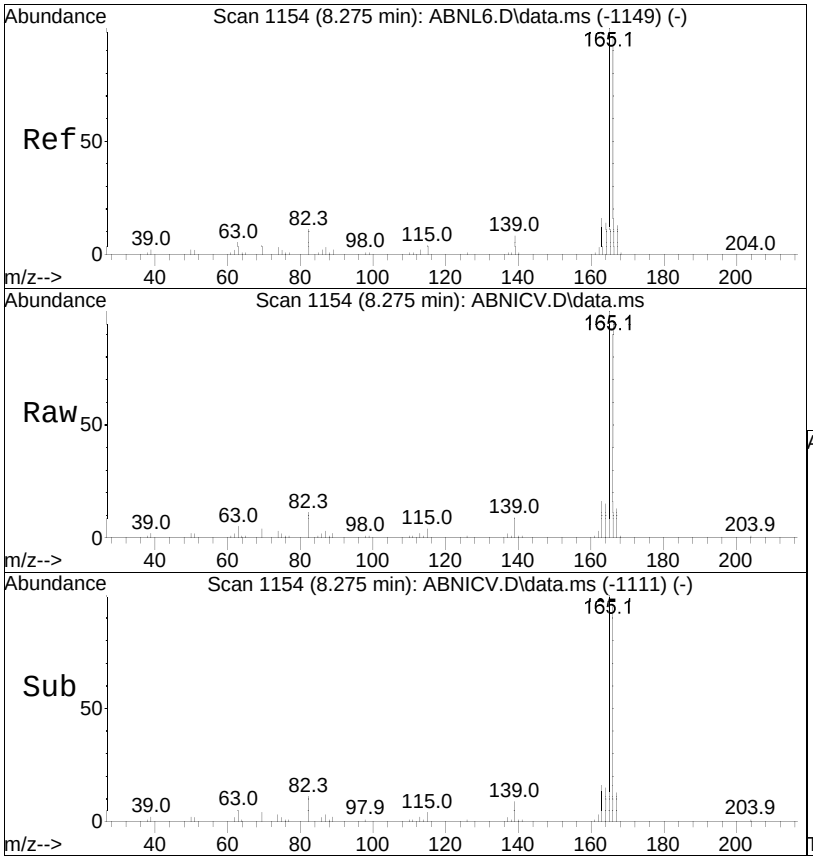


#72
Diethyl phthalate
Concen: 4.82 ug/ml
RT: 8.199 min Scan# 1141
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 94549

Ion	Ratio	Lower	Upper
149	100		
177	21.5	15.0	22.6
150	12.4	9.8	14.6

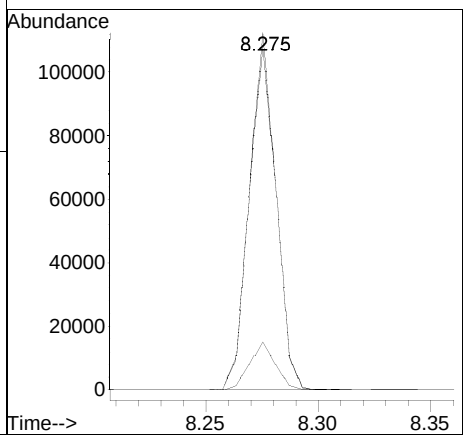


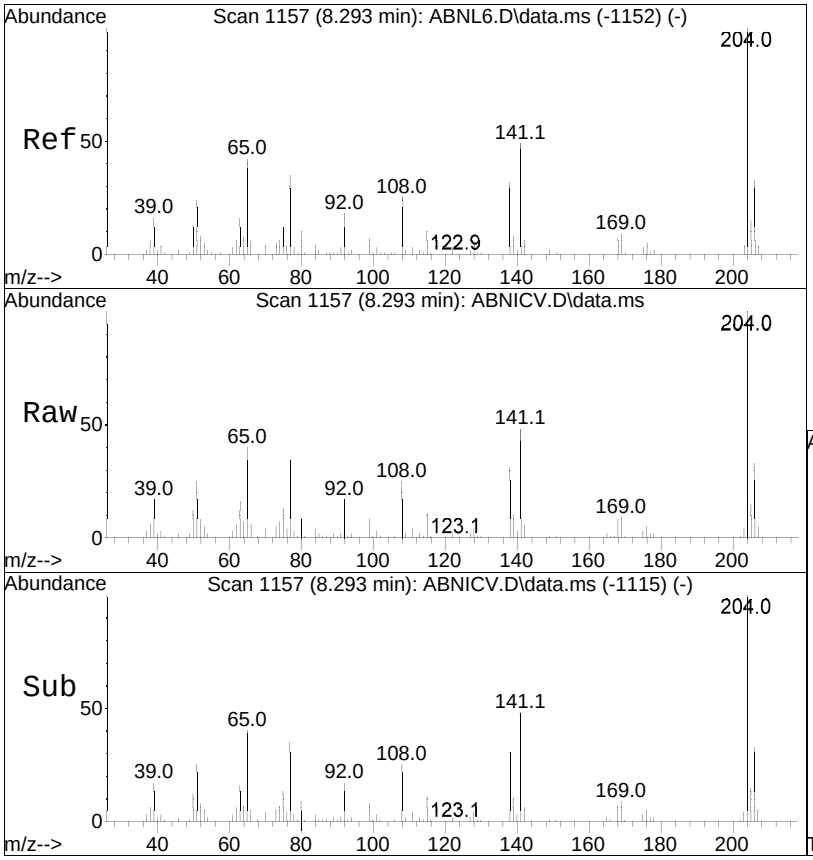


#73
Fluorene
Concen: 4.79 ug/ml
RT: 8.275 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:166 Resp: 90363

Ion	Ratio	Lower	Upper
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1

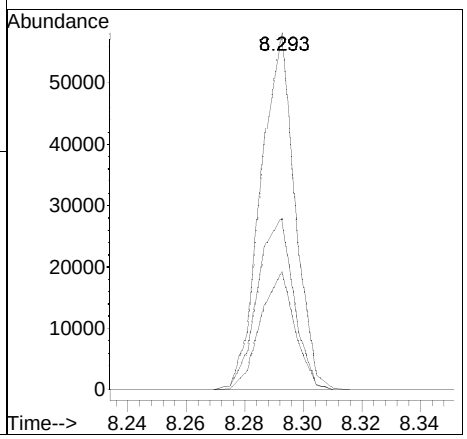


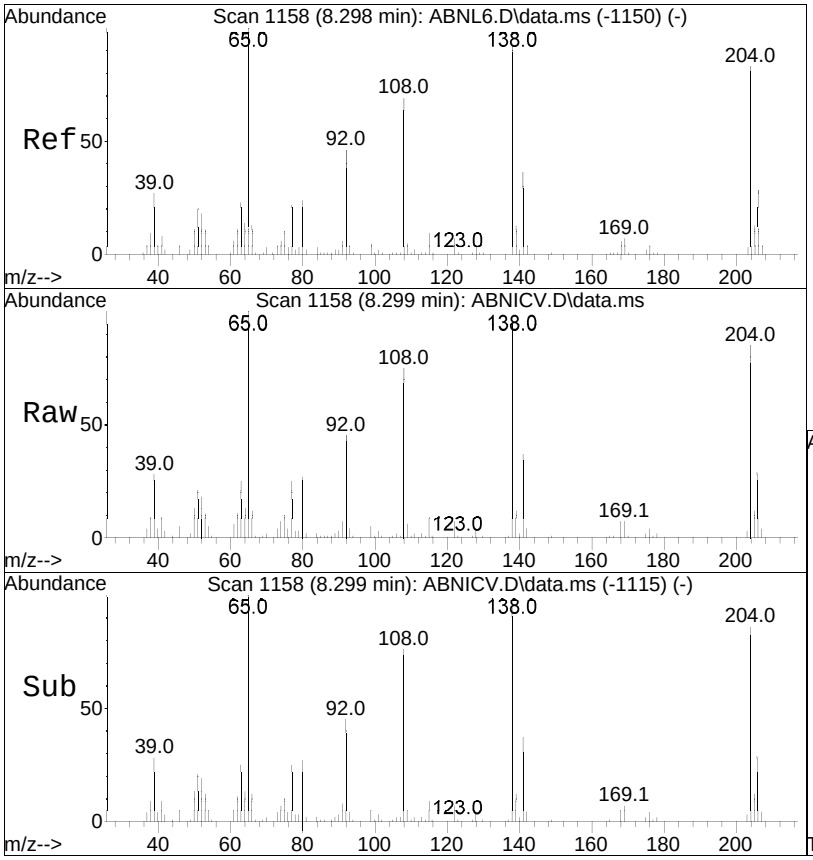


#74
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 8.293 min Scan# 1157
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:204 Resp: 46843

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	51.2	58.4	87.6#

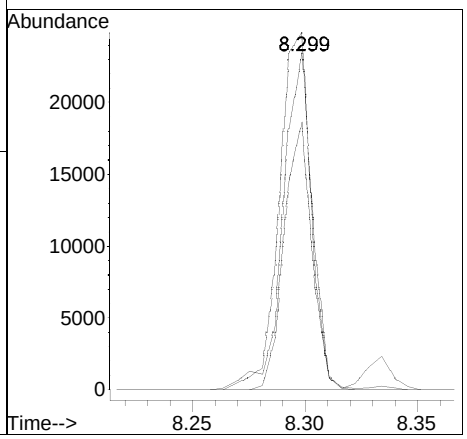


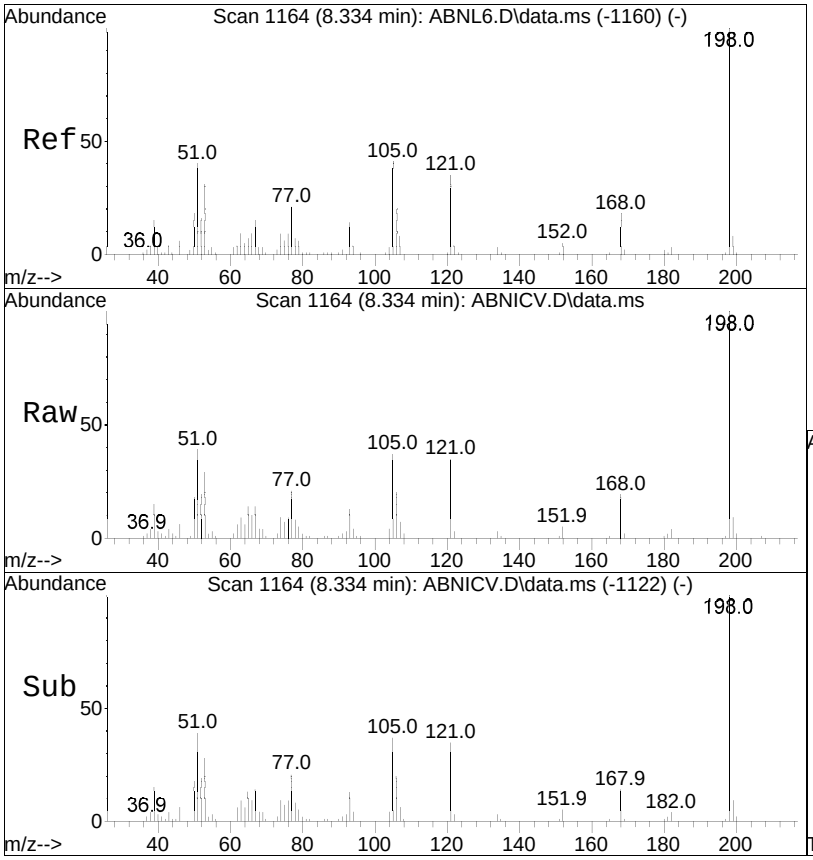


#75
4-Nitroaniline
Concen: 5.09 ug/ml
RT: 8.299 min Scan# 1158
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 21133

Ion	Ratio	Lower	Upper
138	100		
108	75.4	59.2	88.8
65	114.3	97.6	146.4

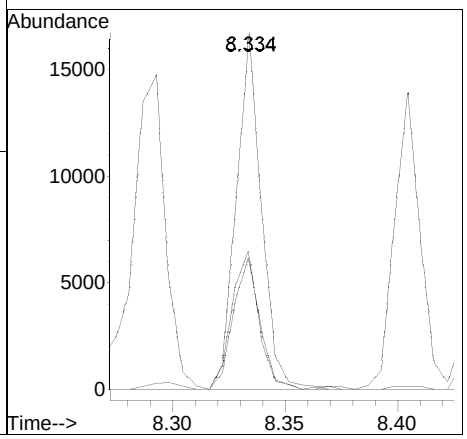


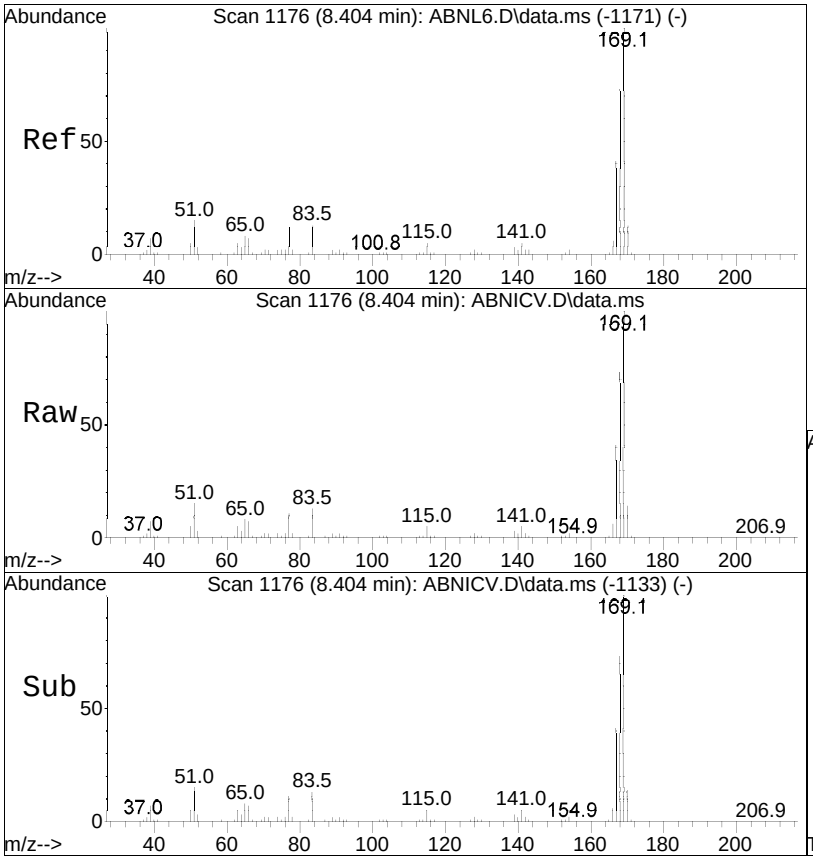


#76
4,6-Dinitro-o-cresol
Concen: 4.08 ug/ml
RT: 8.334 min Scan# 1164
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:198 Resp: 13091

Ion	Ratio	Lower	Upper
198	100		
51	41.4	49.9	74.9#
105	39.4	45.8	68.6#

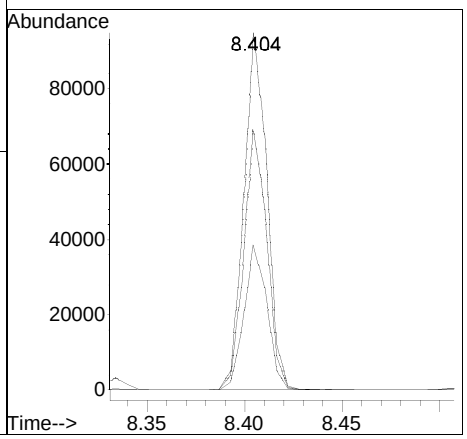


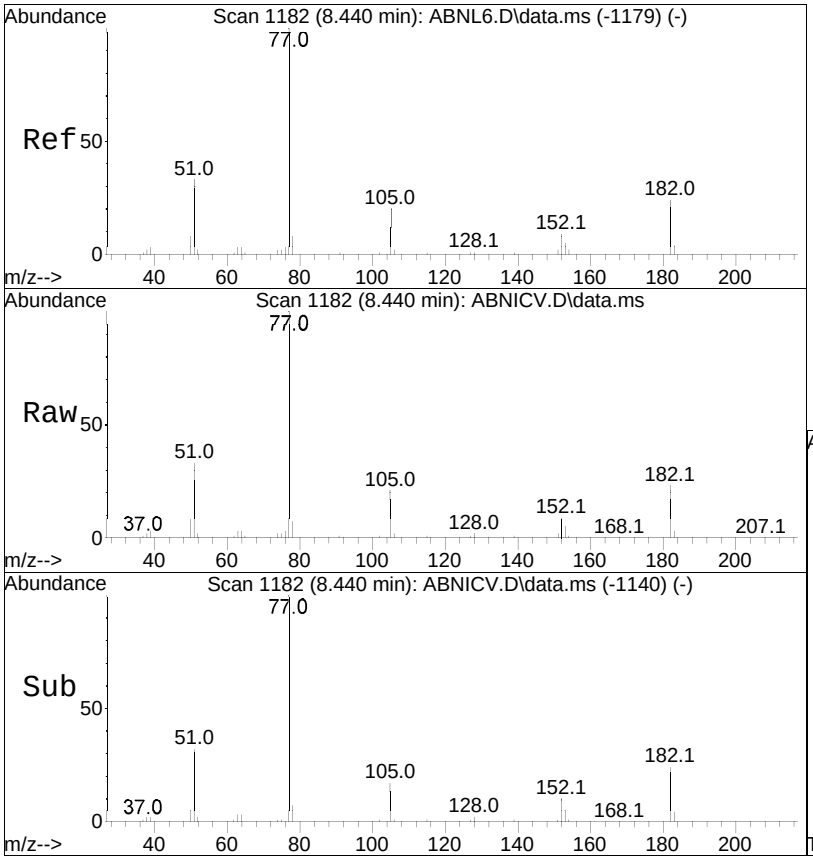


#77
NDPA/DPA
Concen: 4.78 ug/ml
RT: 8.404 min Scan# 1176
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:169 Resp: 77598

Ion	Ratio	Lower	Upper
169	100		
168	72.8	55.2	82.8
167	40.7	30.4	45.6

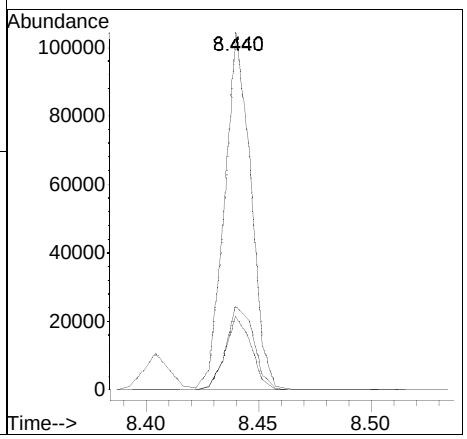


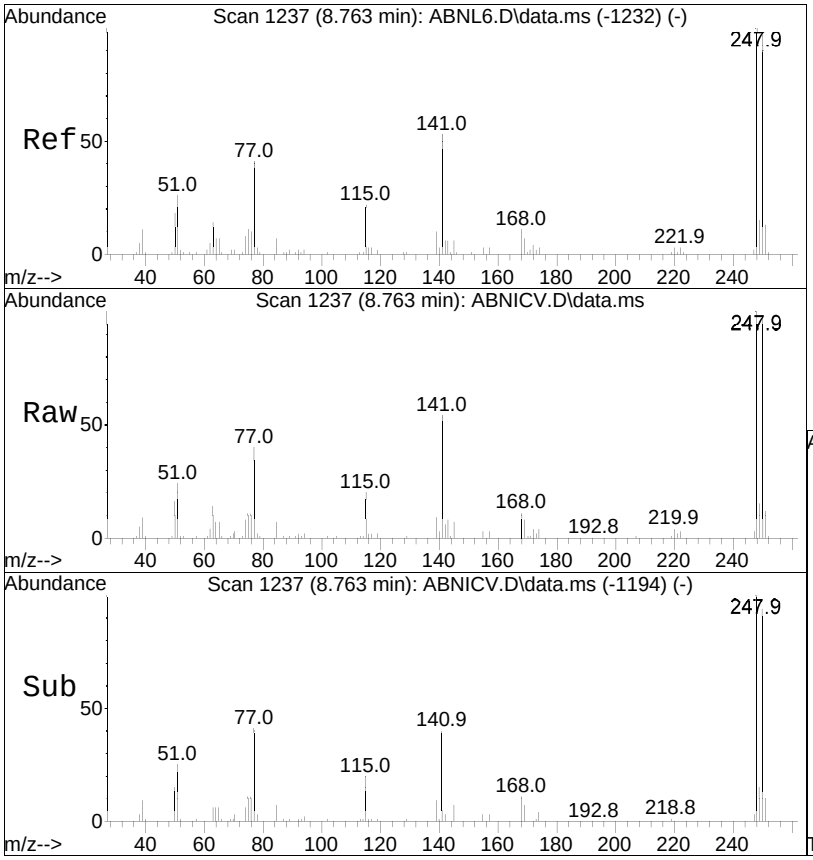


#78
Azobenzene
Concen: 4.87 ug/ml
RT: 8.440 min Scan# 1182
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 83945

Ion	Ratio	Lower	Upper
77	100		
182	24.8	16.2	24.2#
105	20.6	17.9	26.9

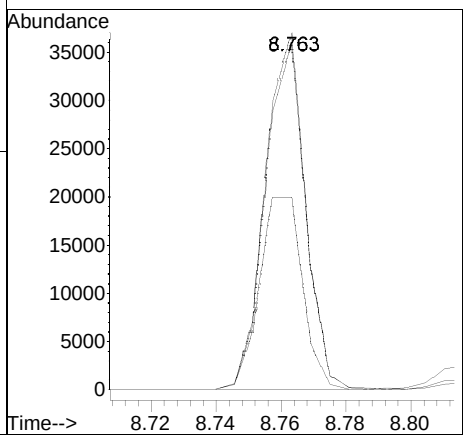


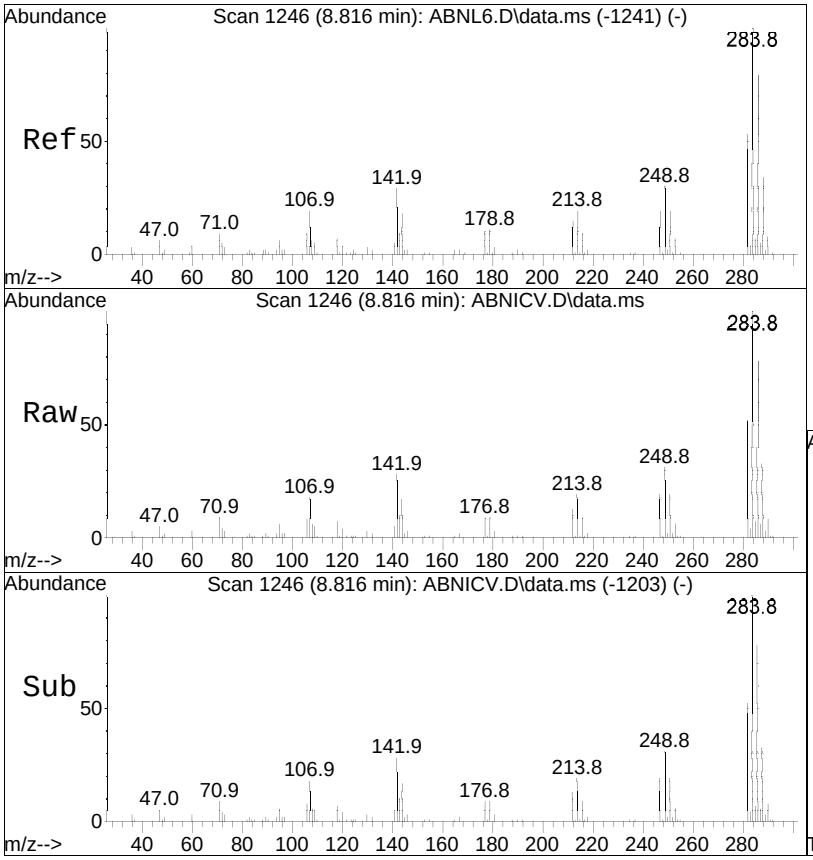


#80
4-Bromophenyl phenyl ether
Concen: 4.77 ug/ml
RT: 8.763 min Scan# 1237
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:248 Resp: 31429

Ion	Ratio	Lower	Upper
248	100		
141	58.0	74.6	111.8#
250	96.9	76.9	115.3

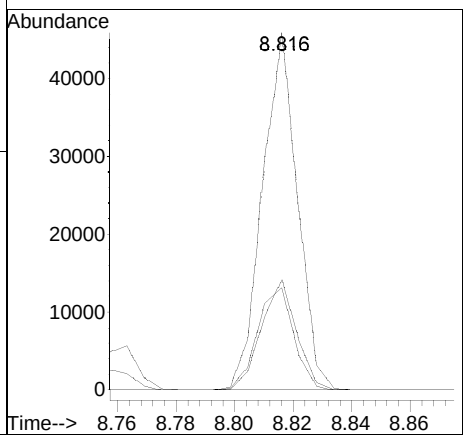


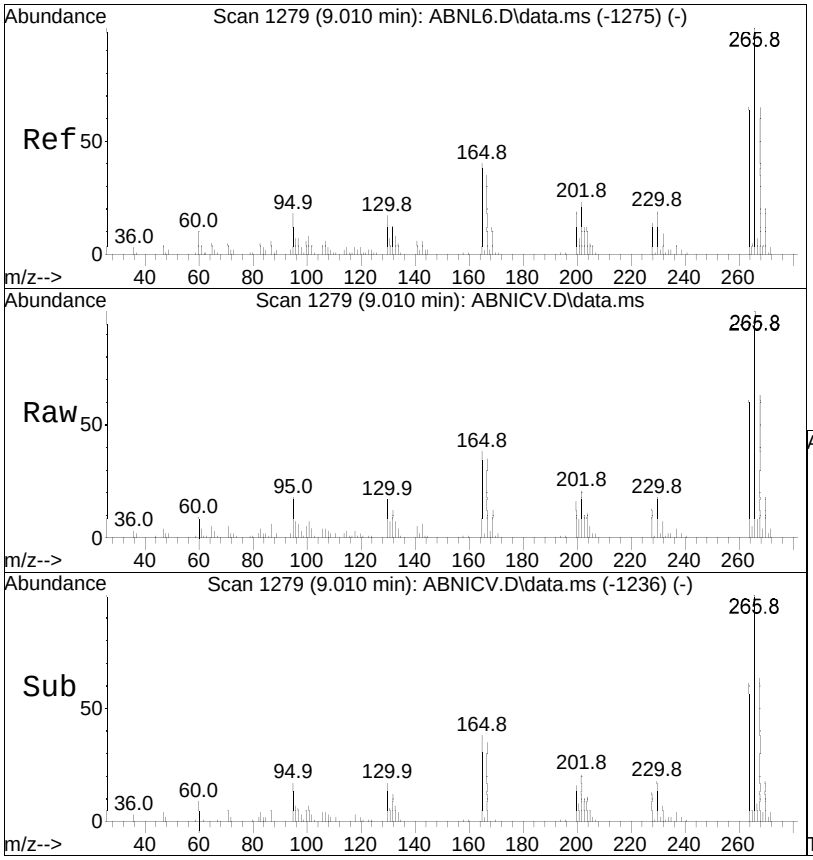


#81
Hexachlorobenzene
Concen: 4.59 ug/ml
RT: 8.816 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:284 Resp: 37993

Ion	Ratio	Lower	Upper
284	100		
142	29.9	37.6	56.4#
249	31.0	25.4	38.2

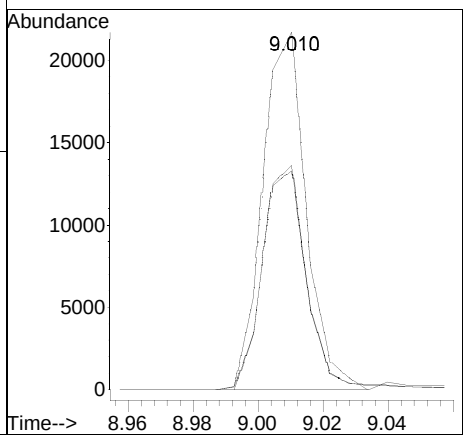


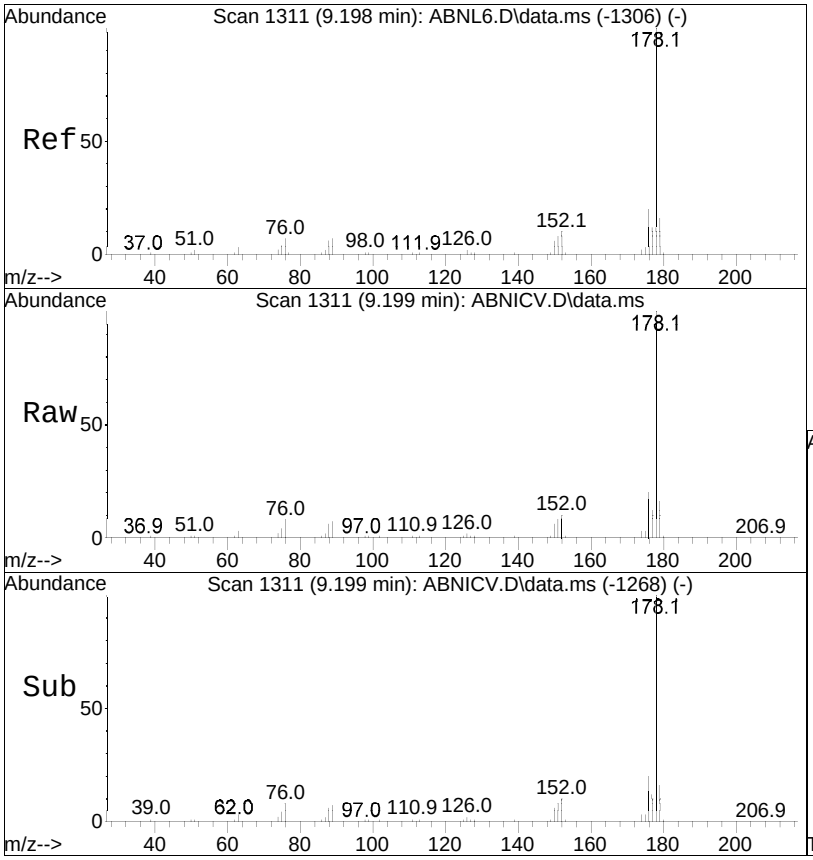


#82
Pentachlorophenol
Concen: 4.72 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:266 Resp: 20072

Ion	Ratio	Lower	Upper
266	100		
264	64.3	50.7	76.1
268	65.6	52.5	78.7

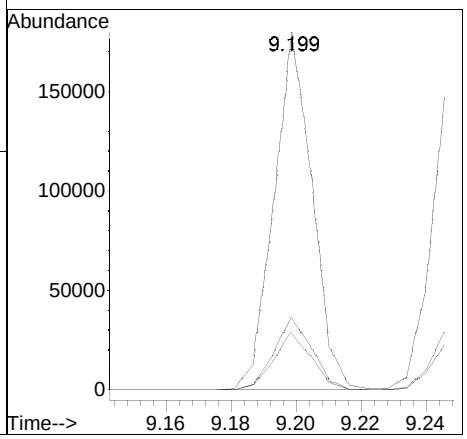


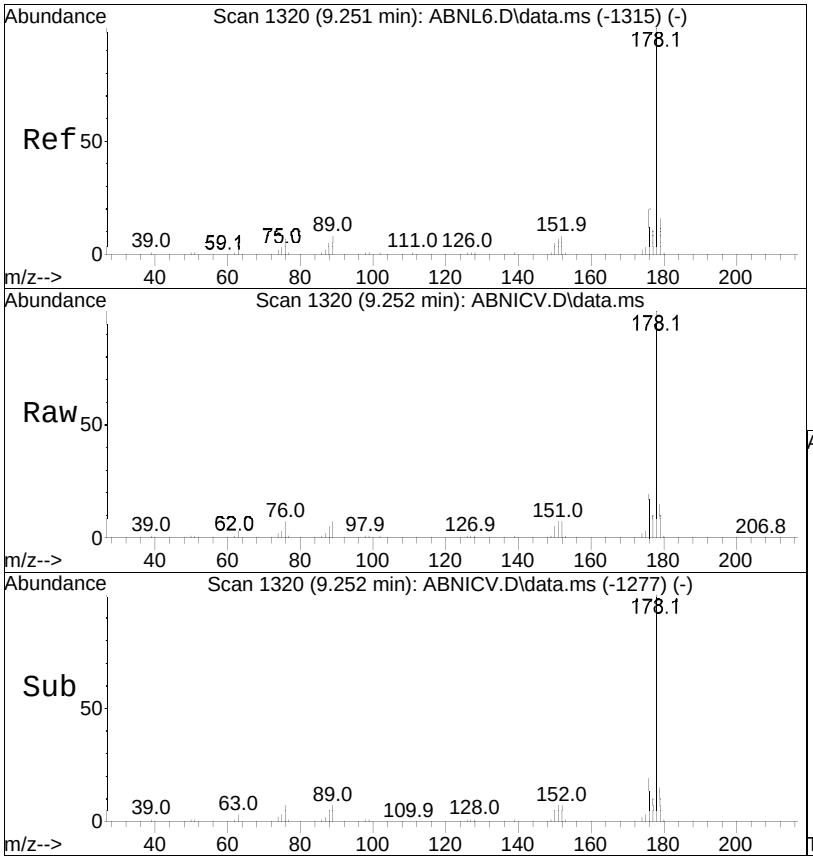


#89
Phenanthrene
Concen: 4.73 ug/ml
RT: 9.199 min Scan# 1311
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 146237

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.0	15.4	23.2

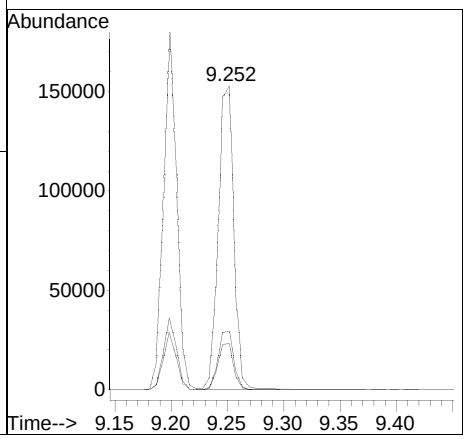


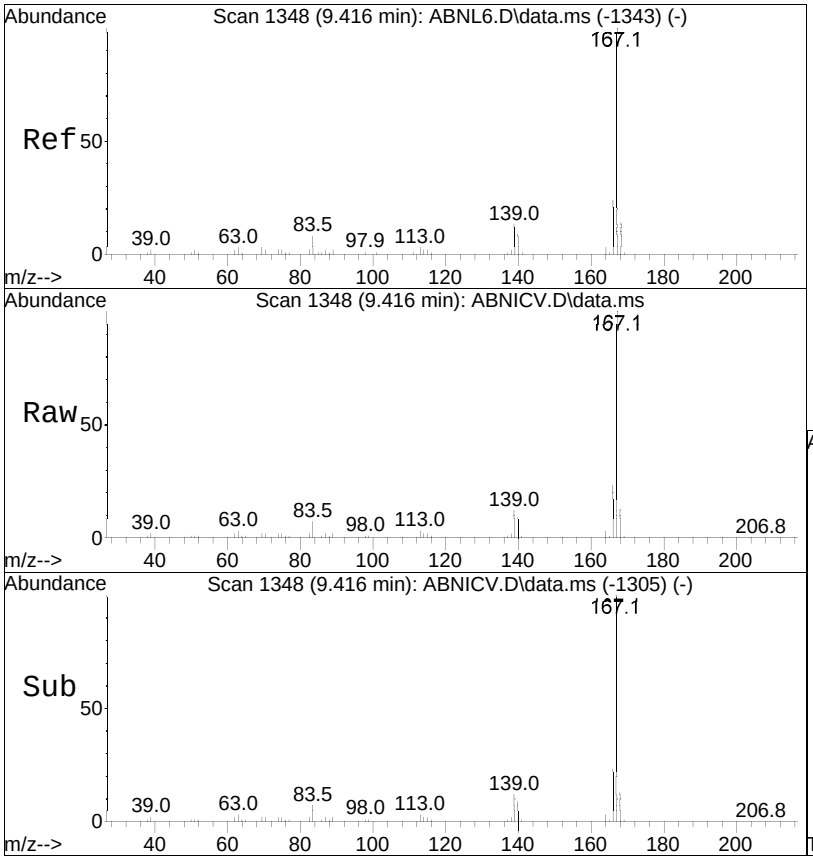


#90
Anthracene
Concen: 4.88 ug/ml
RT: 9.252 min Scan# 1320
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 147689

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.5	15.1	22.7

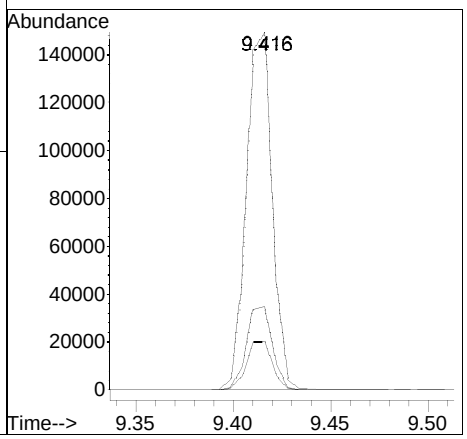


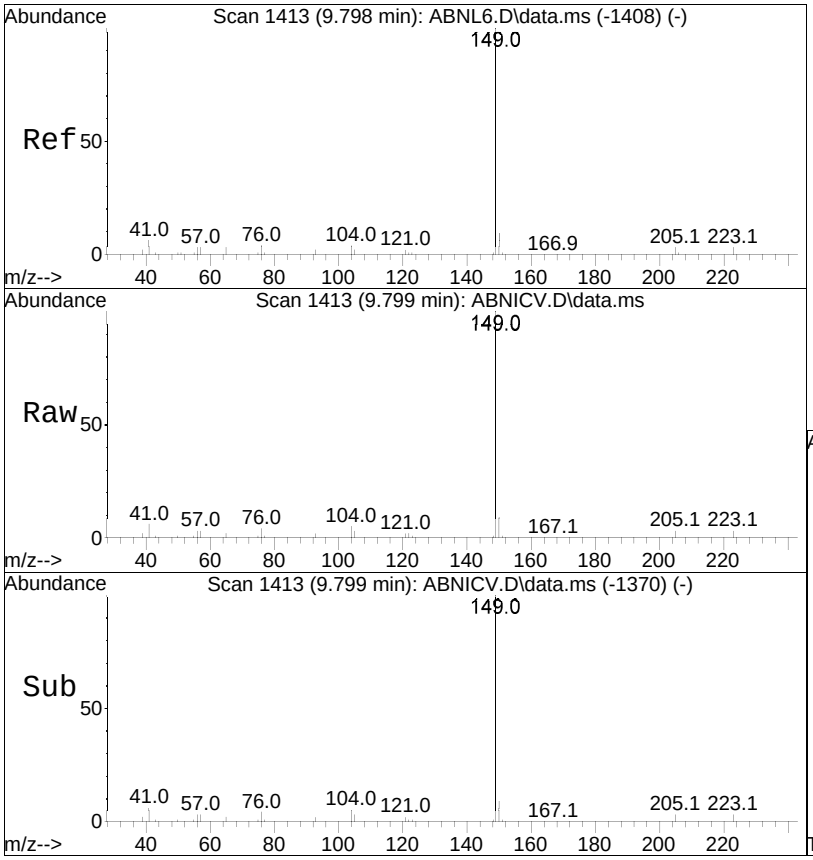


#91
Carbazole
Concen: 4.94 ug/ml
RT: 9.416 min Scan# 1348
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:167 Resp: 136779

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	23.4	17.7	26.5

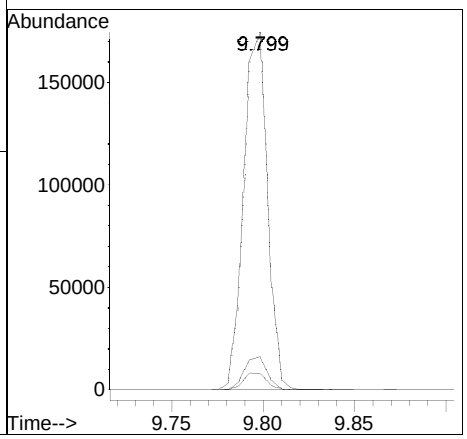


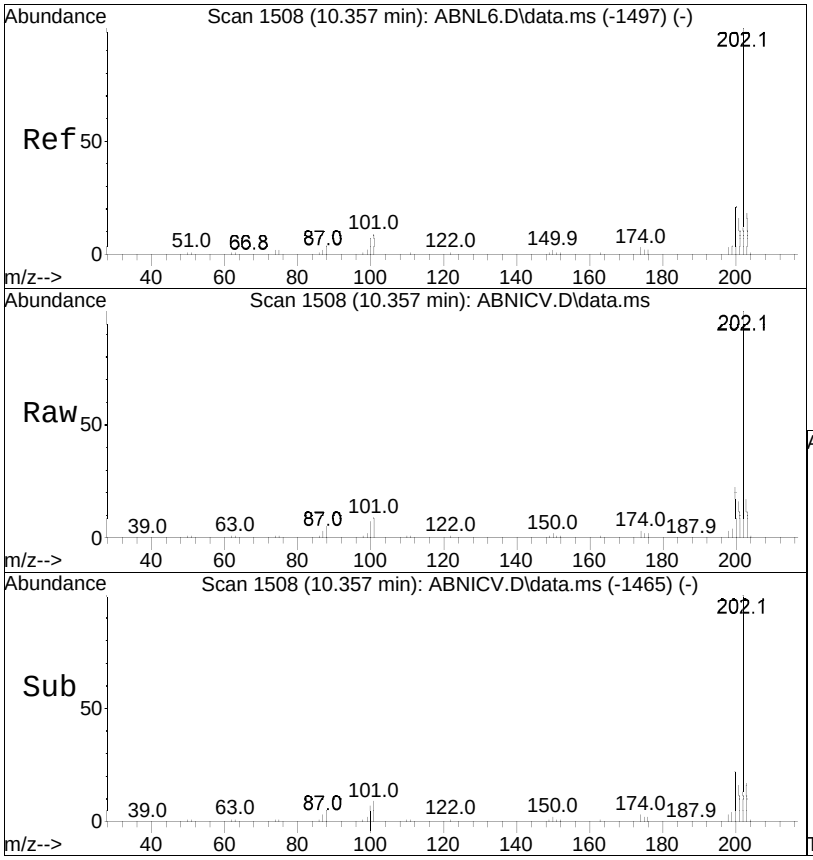


#92
Di-n-butylphthalate
Concen: 5.16 ug/ml
RT: 9.799 min Scan# 1413
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 155812

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.9	4.0	6.0

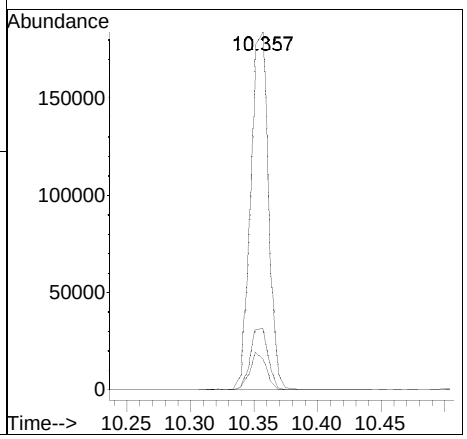


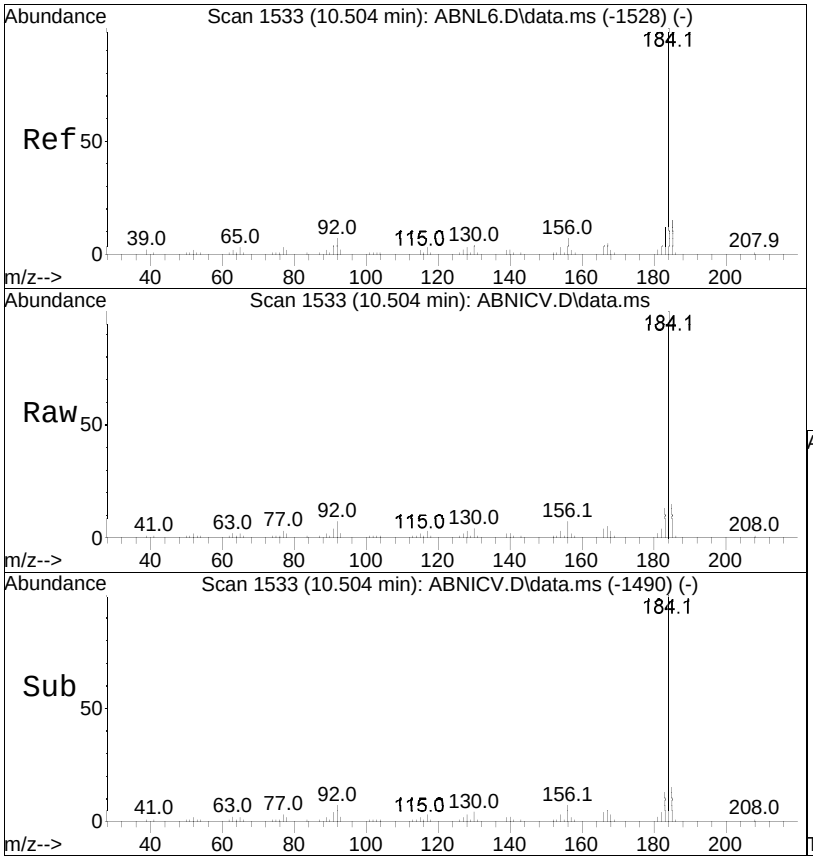


#93
Fluoranthene
Concen: 4.97 ug/ml M3
RT: 10.357 min Scan# 1508
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 178241

Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
203	19.1	13.7	20.5

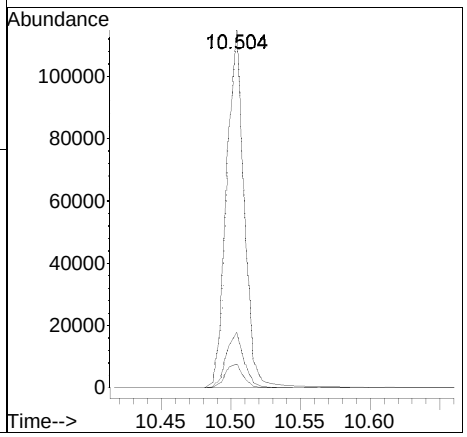


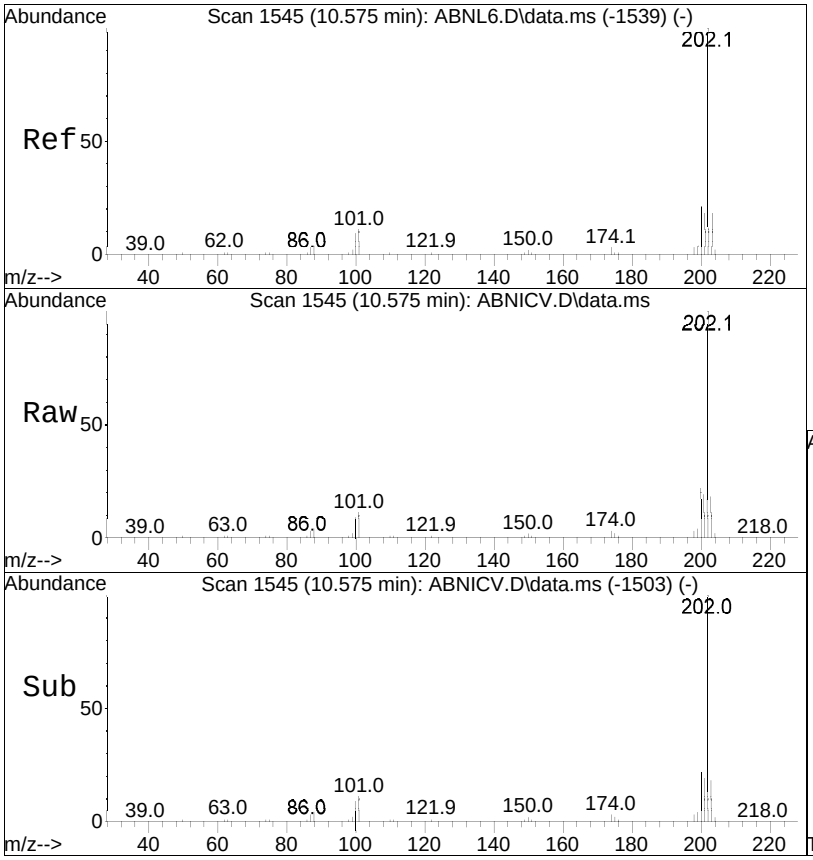


#94
Benzidine
Concen: 5.07 ug/ml
RT: 10.504 min Scan# 1533
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 99975

Ion	Ratio	Lower	Upper
184	100		
92	6.8	7.3	10.9#
185	15.8	11.8	17.8

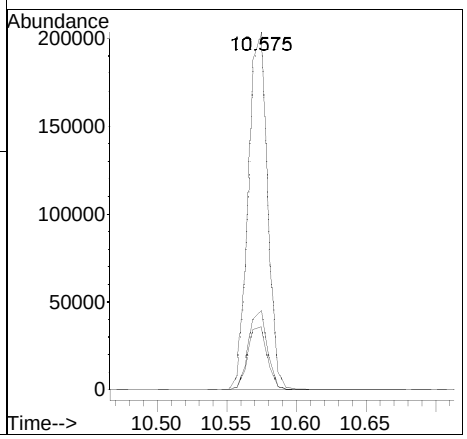


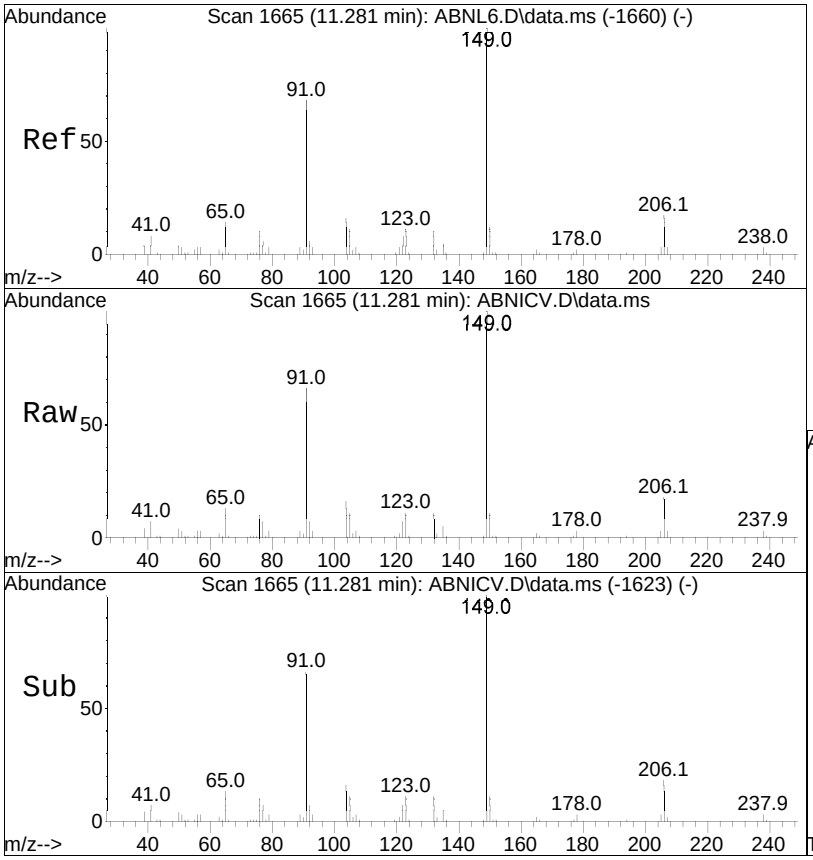


#95
Pyrene
Concen: 5.12 ug/ml
RT: 10.575 min Scan# 1545
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 194546

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.0	14.3	21.5

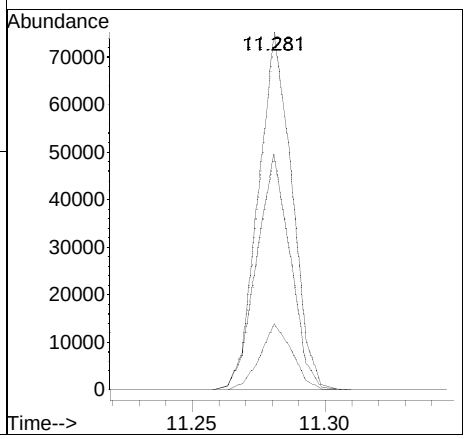


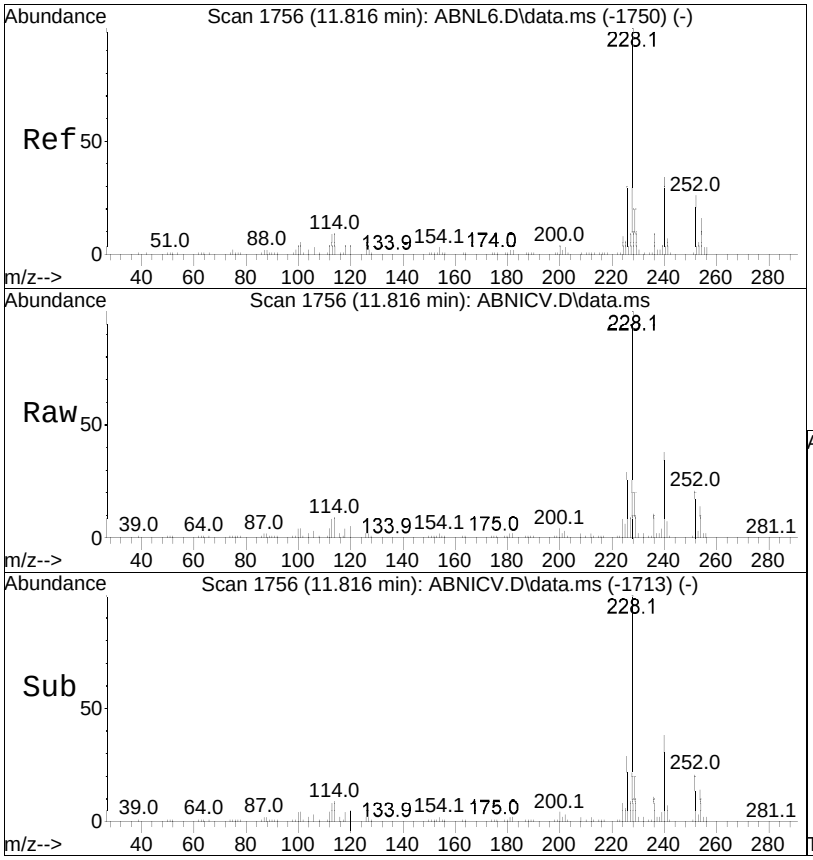


#97
Butyl benzyl phthalate
Concen: 4.89 ug/ml
RT: 11.281 min Scan# 1665
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 65418

Ion	Ratio	Lower	Upper
149	100		
91	66.4	57.9	86.9
206	17.7	11.9	17.9

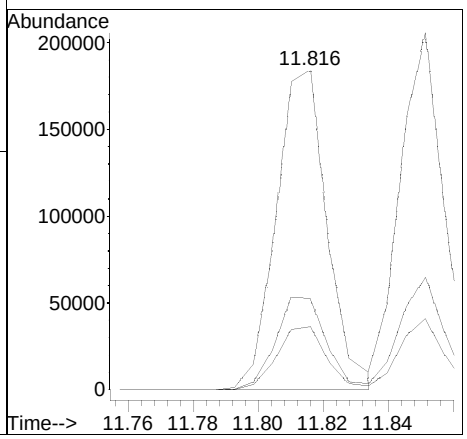


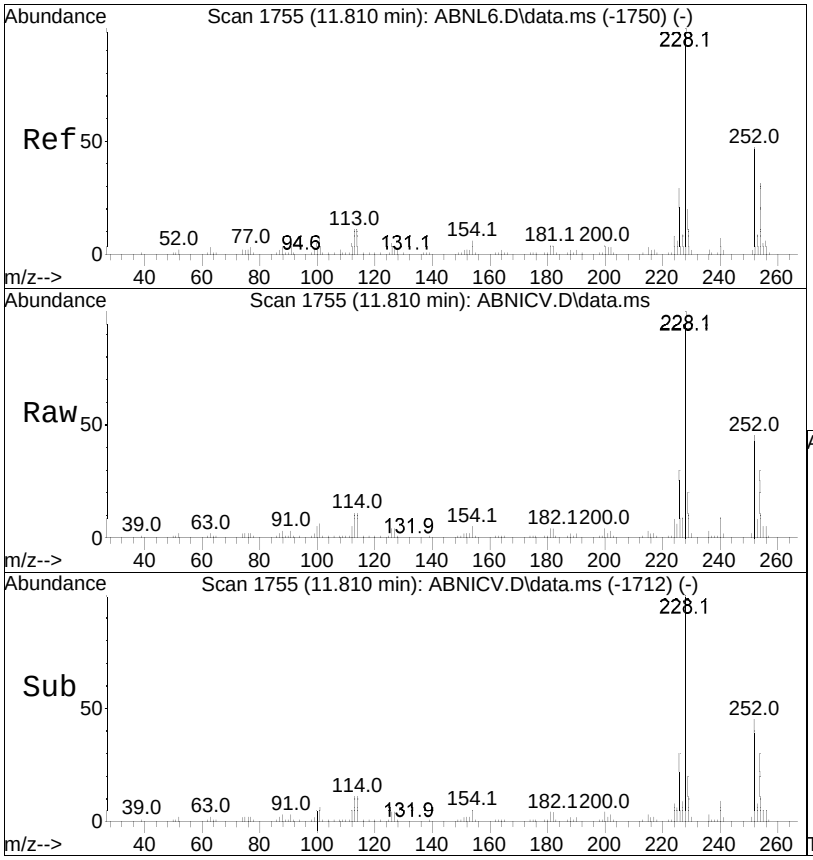


#105
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 11.816 min Scan# 1756
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 199667

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	19.6	15.8	23.6

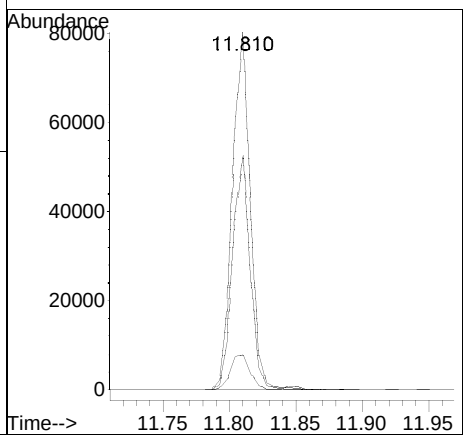


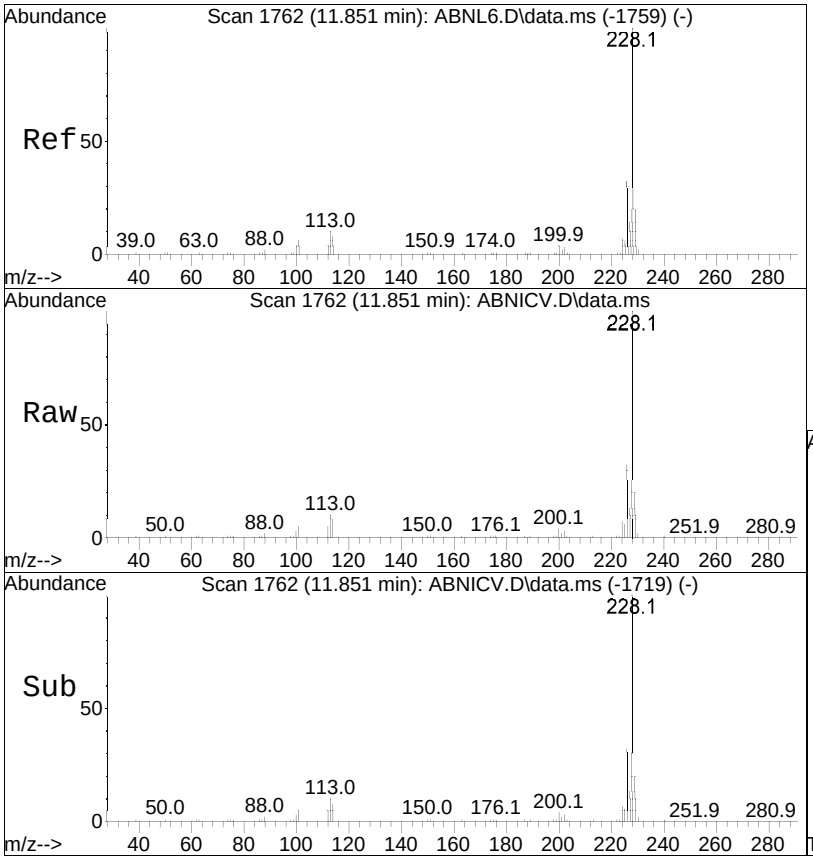


#106
3,3'-Dichlorobenzidine
Concen: 4.98 ug/ml
RT: 11.810 min Scan# 1755
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 74502

Ion	Ratio	Lower	Upper
252	100		
126	11.0	12.6	19.0#
254	64.6	51.1	76.7

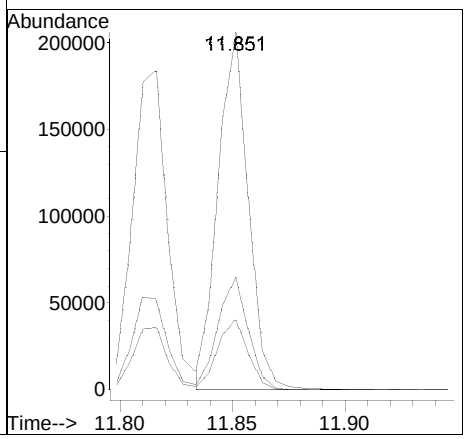


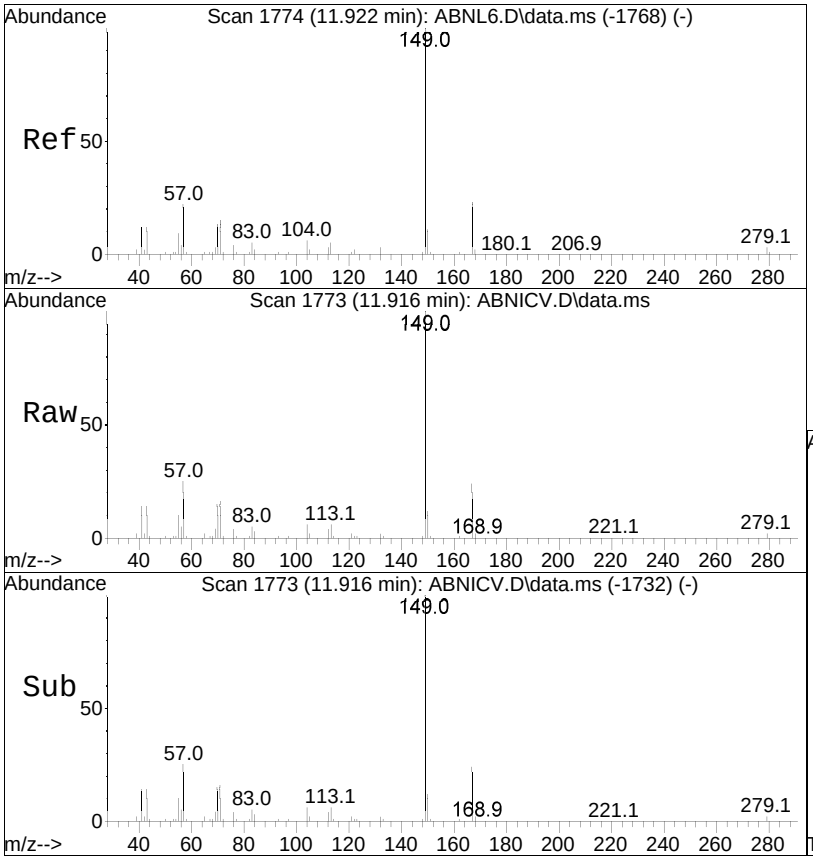


#107
Chrysene
Concen: 4.78 ug/ml
RT: 11.851 min Scan# 1762
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 192294

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.7	37.1
229	20.0	15.5	23.3

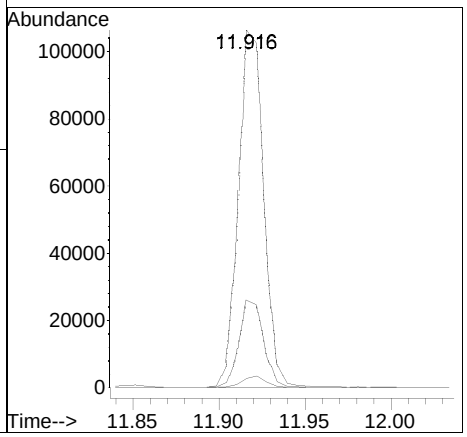


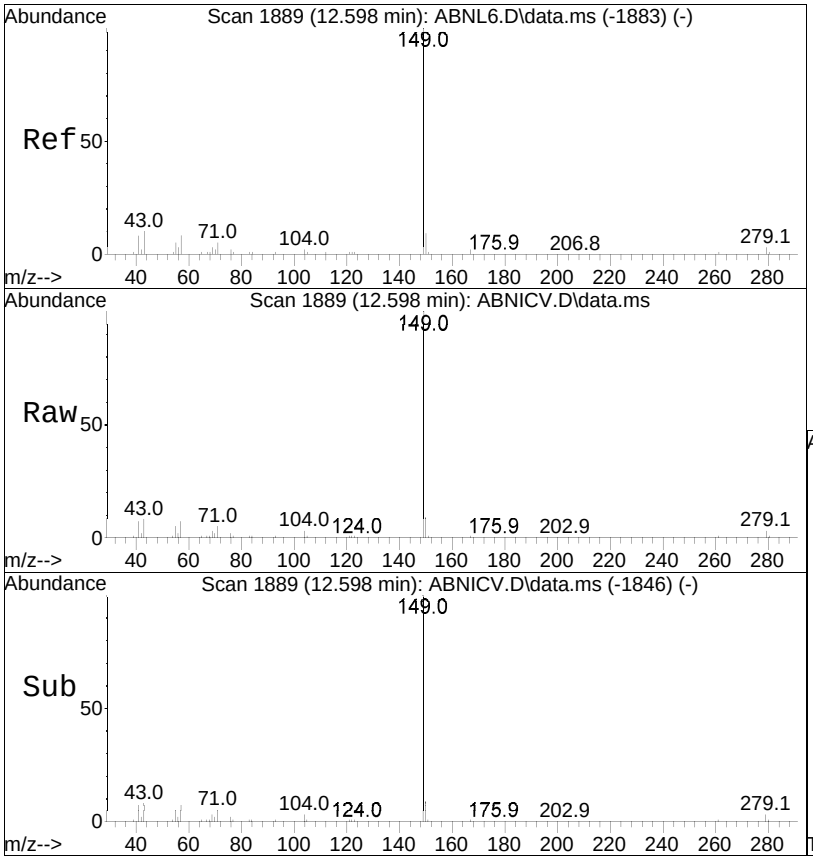


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.26 ug/ml
RT: 11.916 min Scan# 1773
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 107331

Ion	Ratio	Lower	Upper
149	100		
167	23.9	18.4	27.6
279	2.8	1.7	2.5#

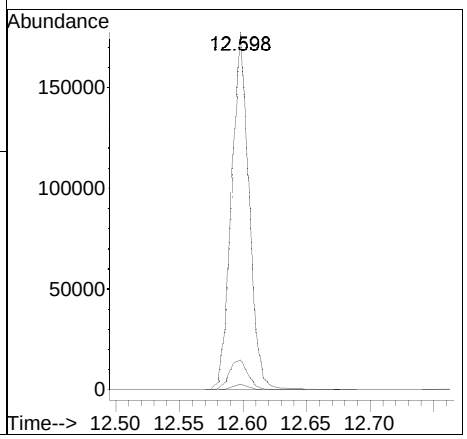


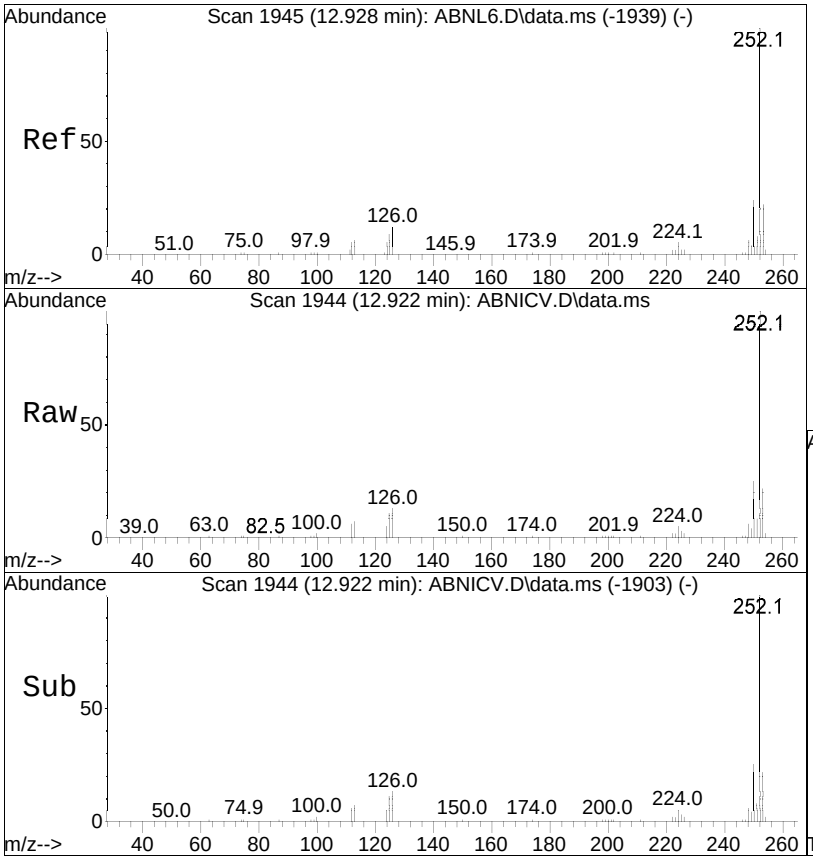


#109
Di-n-octylphthalate
Concen: 5.33 ug/ml
RT: 12.598 min Scan# 1889
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 166682

Ion	Ratio	Lower	Upper
149	100		
43	9.1	8.2	12.2
167	1.4	1.1	1.7

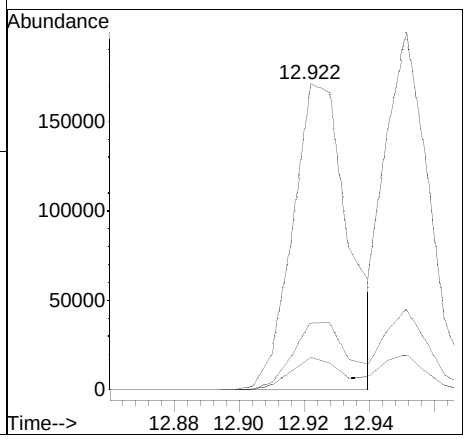


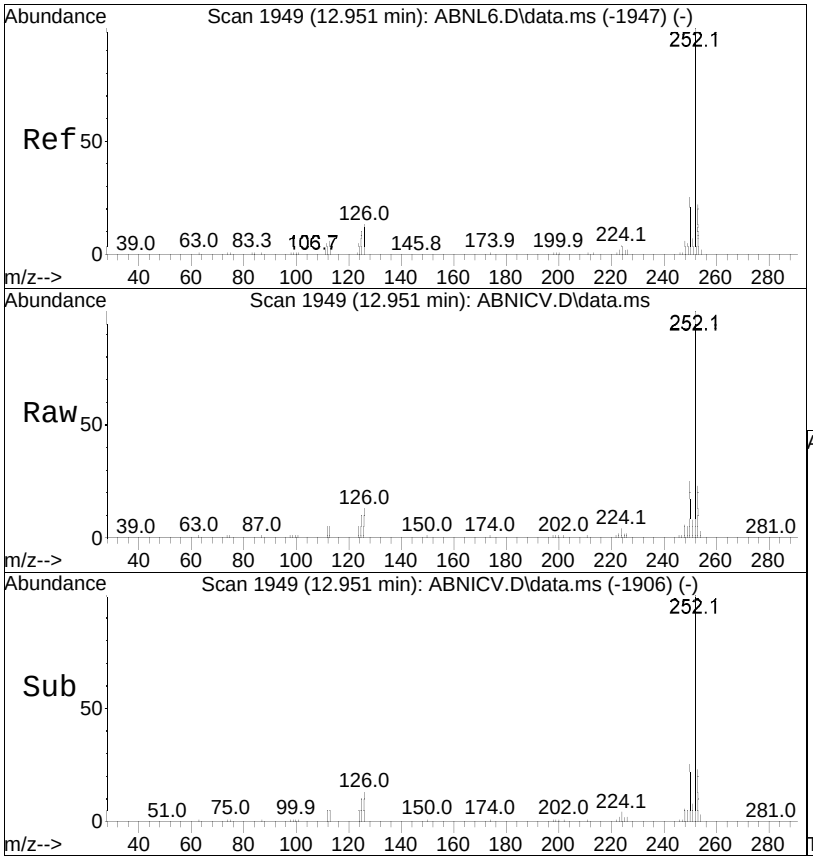


#110
Benzo(b)fluoranthene
Concen: 4.90 ug/ml
RT: 12.922 min Scan# 1944
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 206155

Ion	Ratio	Lower	Upper
252	100		
125	9.1	11.3	16.9#
253	22.2	17.8	26.8

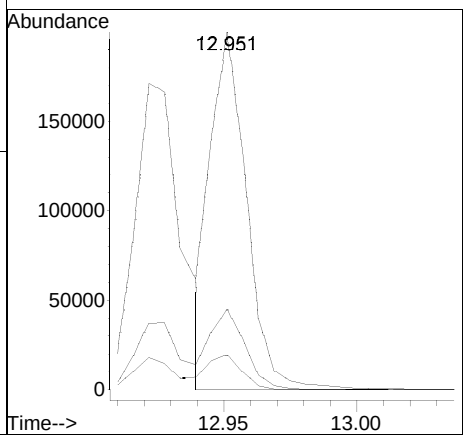


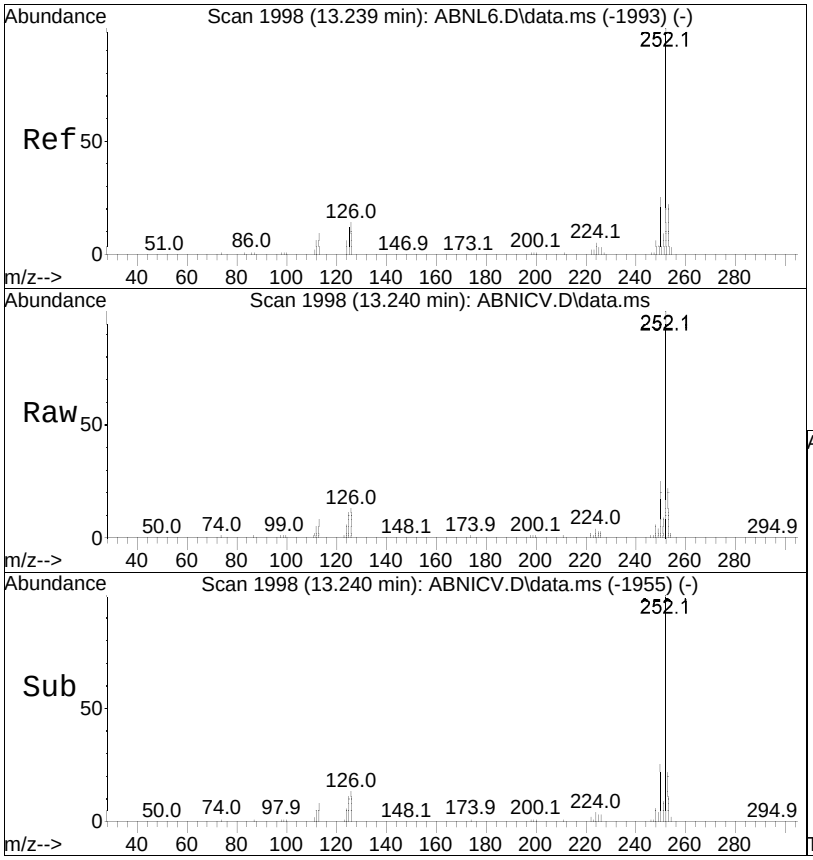


#111
Benzo(k)fluoranthene
Concen: 4.94 ug/ml M3
RT: 12.951 min Scan# 1949
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 190009

Ion	Ratio	Lower	Upper
252	100		
125	9.8	11.5	17.3#
253	24.1	17.6	26.4

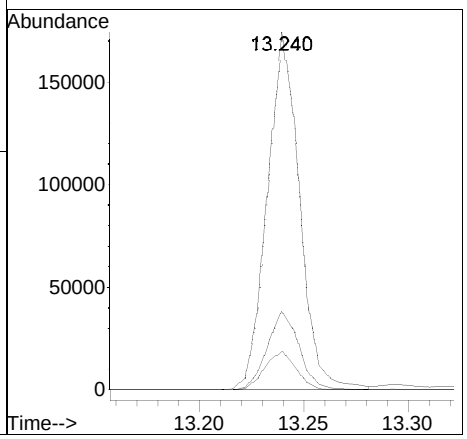


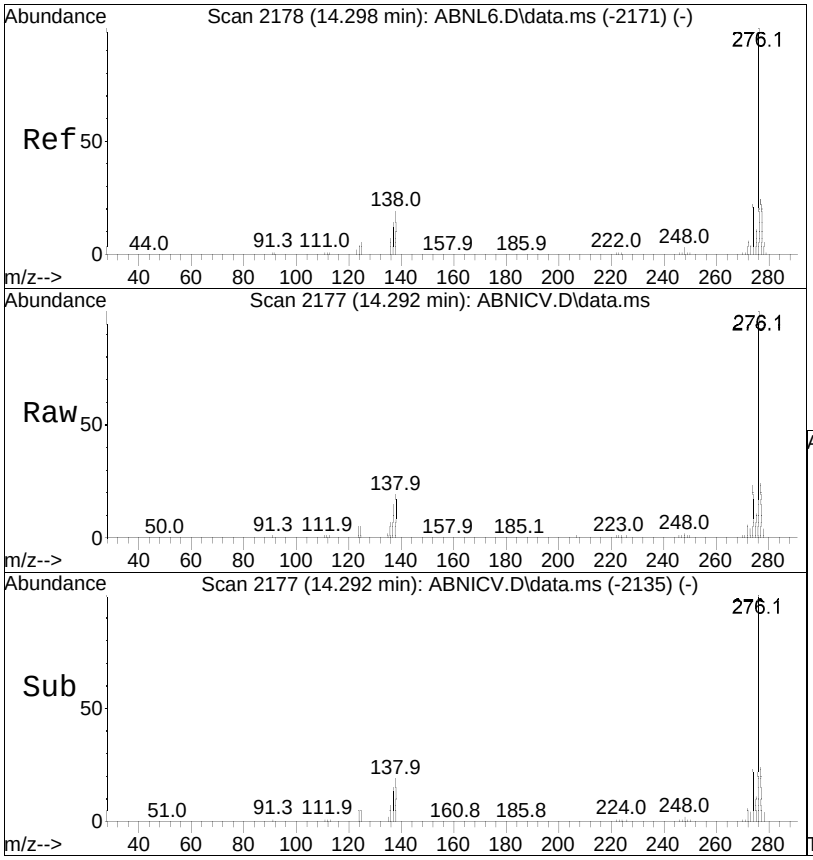


#112
Benzo(a)pyrene
Concen: 5.02 ug/ml
RT: 13.240 min Scan# 1998
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 184465

Ion	Ratio	Lower	Upper
252	100		
125	11.0	12.6	18.8#
253	22.2	17.5	26.3

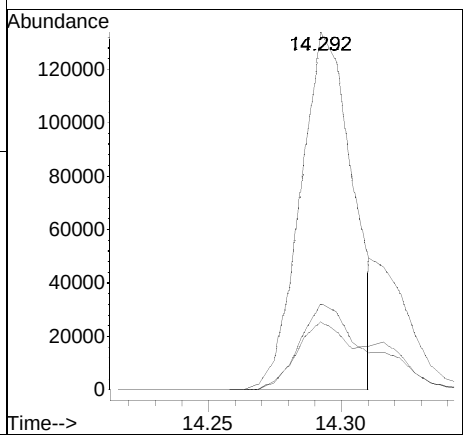


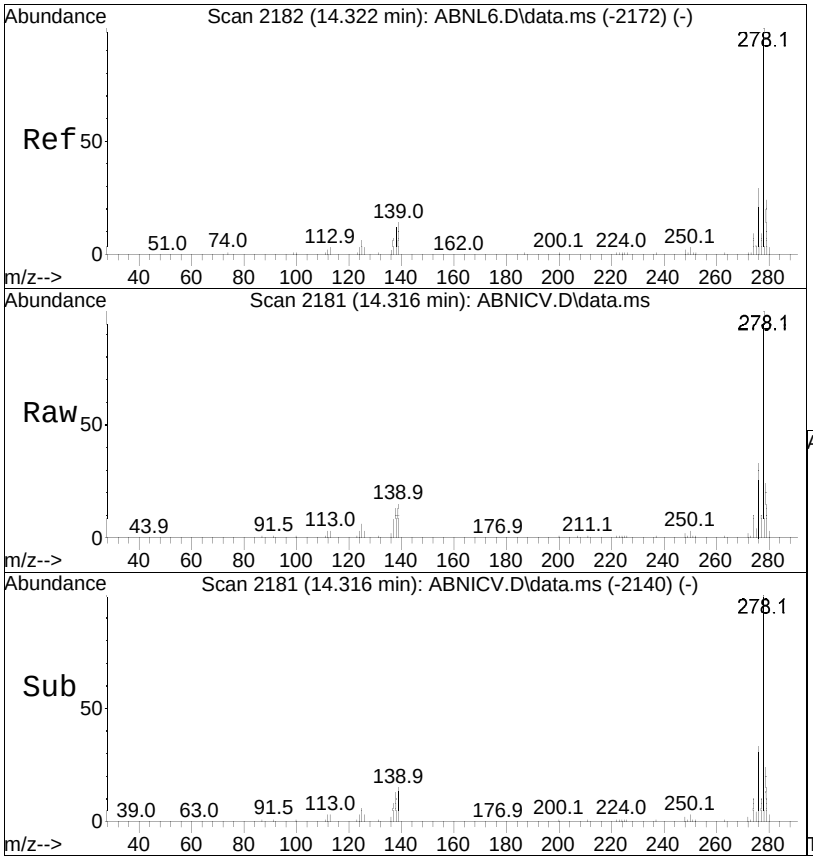


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ug/mL M6
RT: 14.292 min Scan# 2177
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 184779

Ion	Ratio	Lower	Upper
276	100		
138	30.3	22.1	33.1
277	32.2	19.0	28.6#

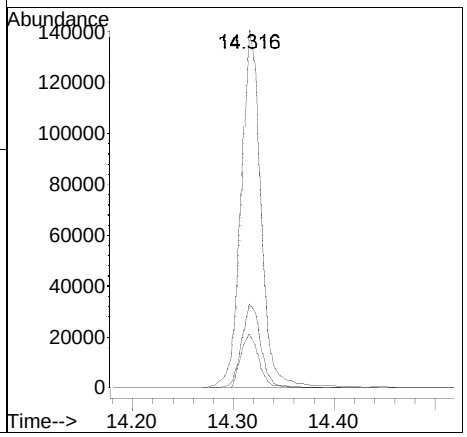


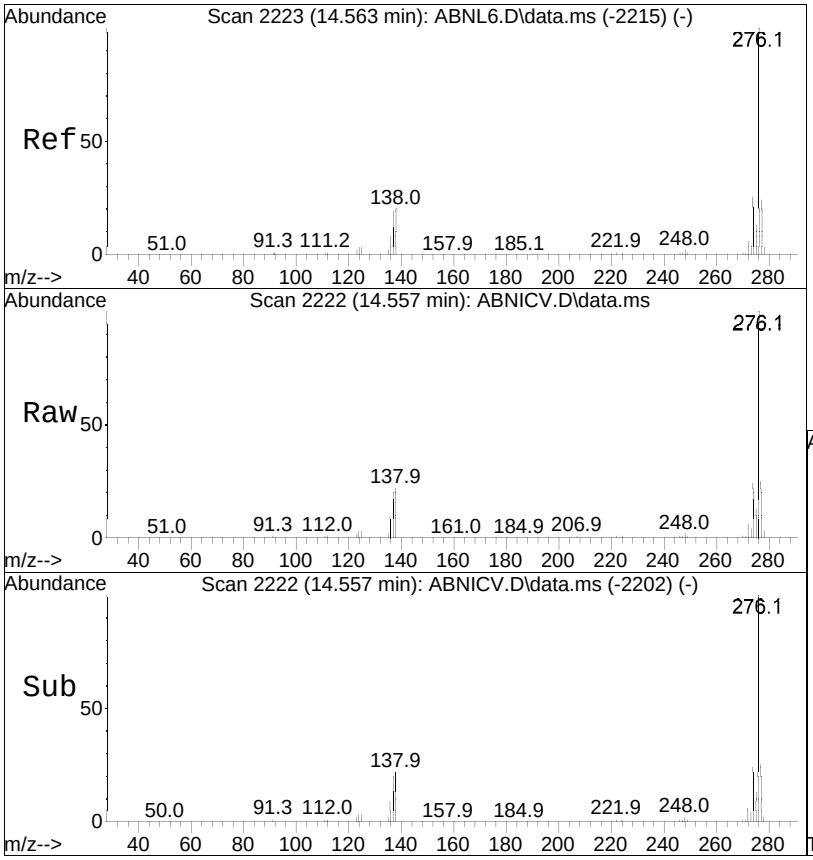


#115
Dibenzo(a,h)anthracene
Concen: 5.01 ug/ml
RT: 14.316 min Scan# 2181
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:278 Resp: 192344

Ion	Ratio	Lower	Upper
278	100		
139	14.0	17.8	26.8#
279	23.1	19.2	28.8

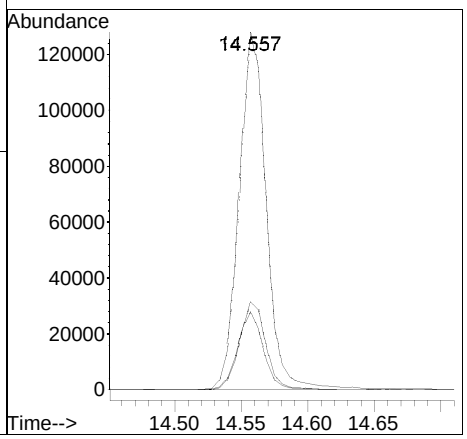




#116
Benzo(ghi)perylene
Concen: 4.62 ug/ml
RT: 14.557 min Scan# 2222
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 178871

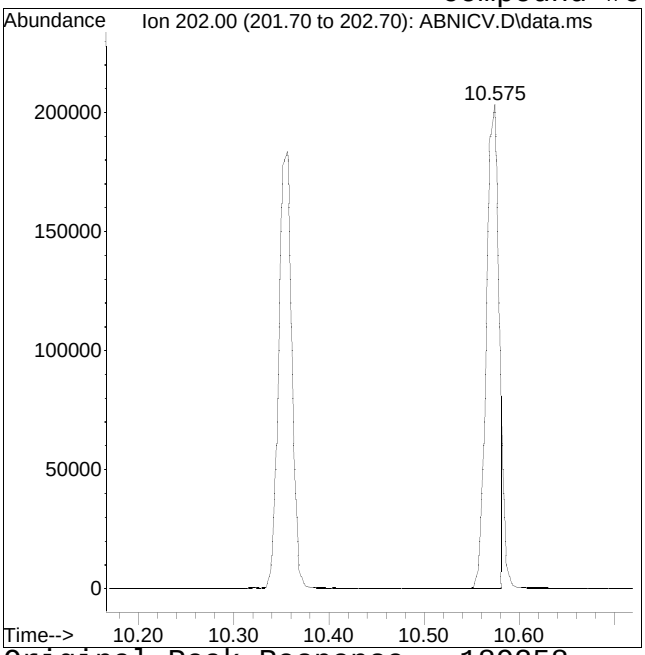
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.9	32.9#
277	24.5	18.4	27.6

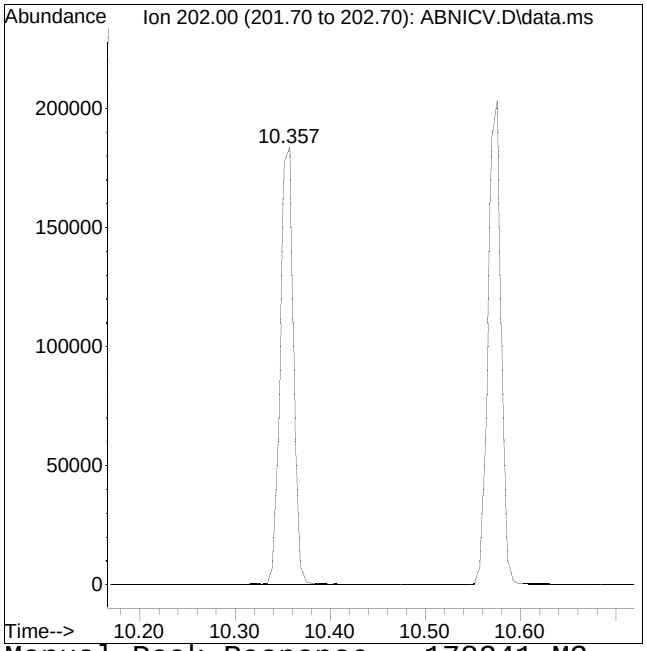


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #93: Fluoranthene



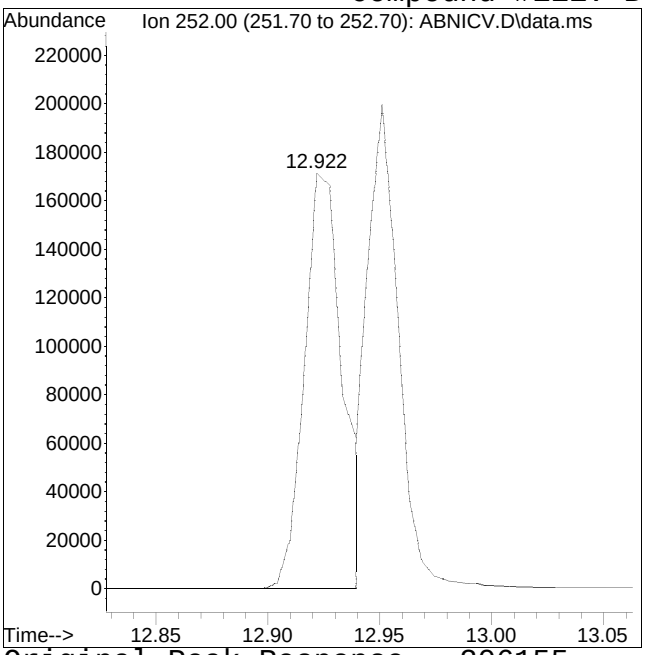


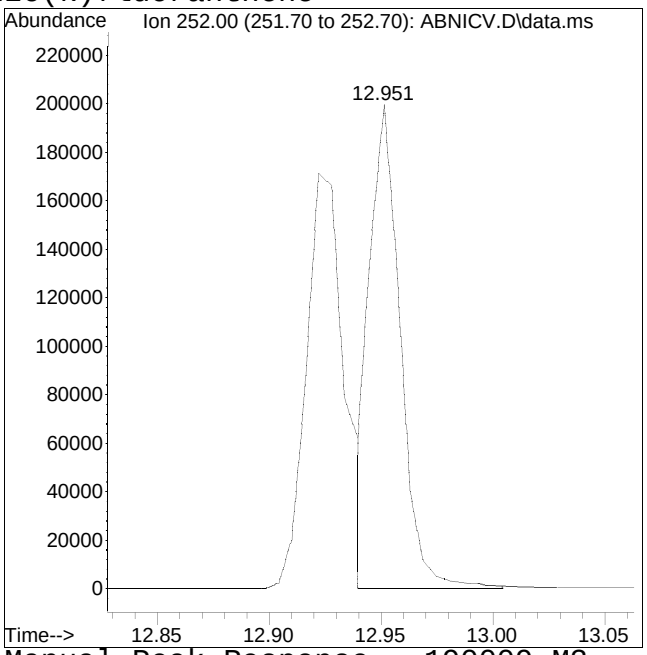
Original Peak Response = 189258 Manual Peak Response = 178241 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #111: Benzo(k)fluoranthene





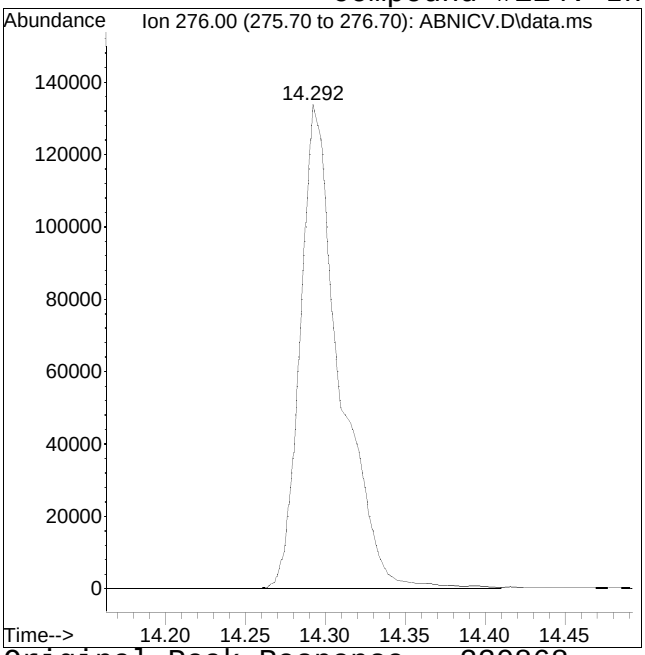
Original Peak Response = 206155 Manual Peak Response = 190009 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

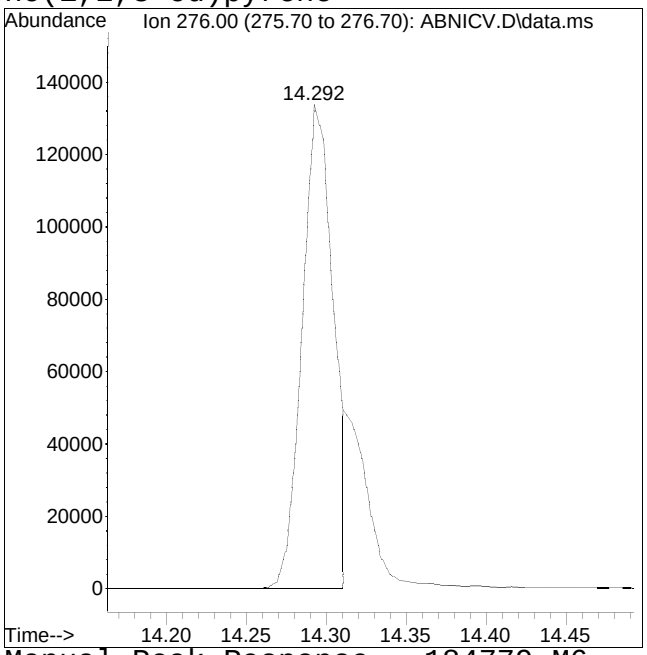
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 230868



Manual Peak Response = 184779 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde		1.094	1.014	7.3	86	0.00
29	T	Acetophenone		1.903	1.766	7.2	81	0.00
30	T	m-Toluidine		1.828	1.725	5.6	83	0.00
31	T	2-Chloroaniline		1.742	1.622	6.9	83	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	86	0.00
56	T	a-Terpineol		0.277	0.261	5.8	81	0.00
57	T	3-Chloroaniline		0.150	0.136	9.3	78	0.00
58	T	2,6-Dichlorophenol		0.326	0.310	4.9	80	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.138	3.5	81	0.00
60	T	Caprolactam	*	5.000	4.063	18.7	73	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.446	6.9	81	0.00
62	T	Biphenyl		1.026	0.921	10.2	78	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	82	0.00
84	T	Dichloran	*	5.000	3.777	24.5#	69	0.00
85	T	Pentachloronitrobenzene		0.235	0.192	18.3	70	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	79	0.00
99	T	Diphenamid		0.515	0.462	10.3	69	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19496	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 91.85%				
55) IS2_Naphthalene-d8	6.040	136	70493	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 86.02%				
83) IS2_Acenaphthene-d10	7.746	164	42386	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 81.83%				
98) IS2_Phenanthrene-d10	9.175	188	93506	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 79.14%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	24722	4.638	ug/ml		99
29) Acetophenone	5.199	105	43034	4.639	ug/ml		97
30) m-Toluidine	5.281	106	42038	4.718	ug/ml		97
31) 2-Chloroaniline	5.646	127	39533	4.657	ug/ml		97
56) a-Terpineol	6.093	59	23032	4.714	ug/ml		94
57) 3-Chloroaniline	6.105	65	11948	4.514	ug/ml		86
58) 2,6-Dichlorophenol	6.134	162	27335	4.755	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	12170	4.821	ug/ml		95
60) Caprolactam	6.416	55	11582	4.063	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	39341	4.659	ug/ml	#	94
62) Biphenyl	7.199	154	81125	4.485	ug/ml		98
84) Dichloran	8.869	206	8814	3.777	ug/ml	#	73
85) Pentachloronitrobenzene	9.022	237	10155	4.082	ug/ml	#	82
99) Diphenamid	10.075	167	54038	4.489	ug/ml		84

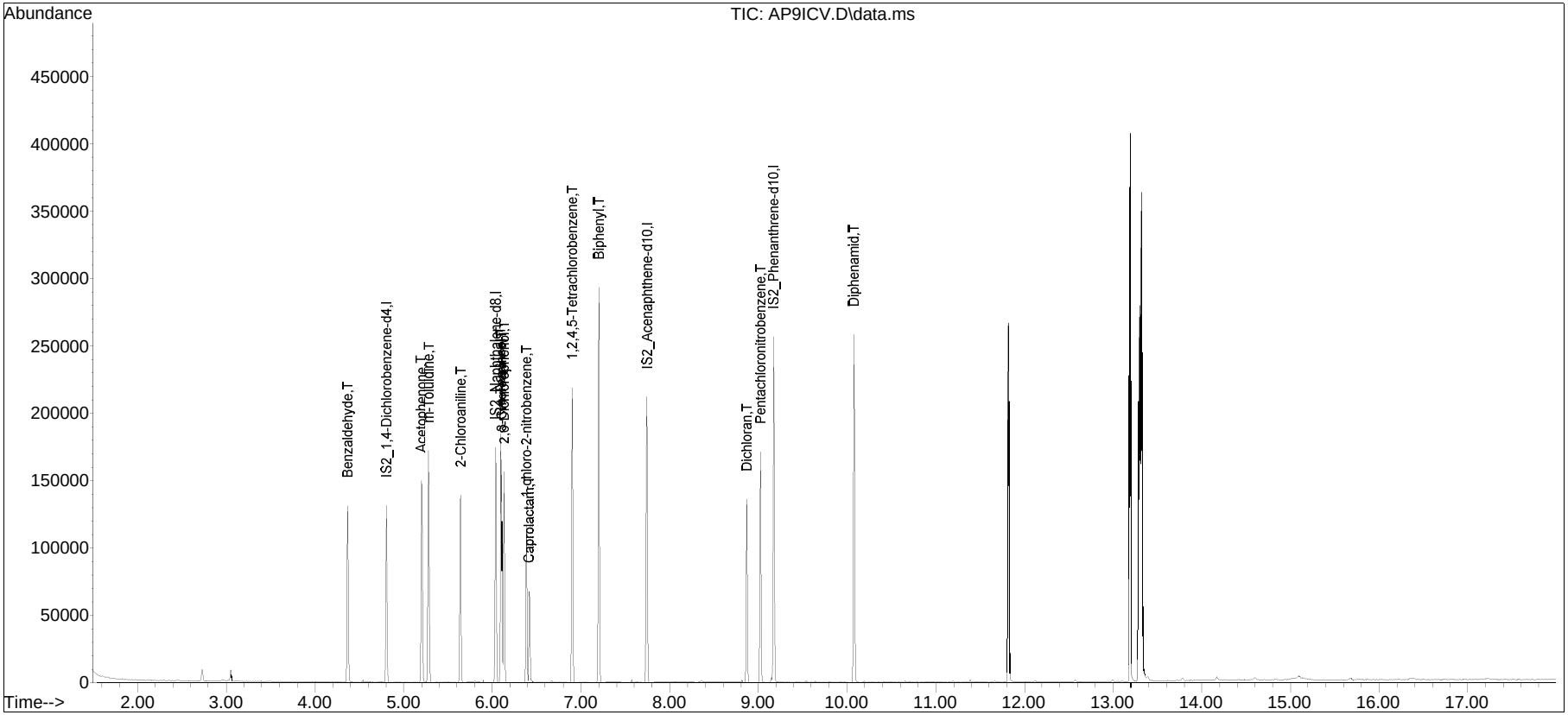
(#) = qualifier out of range (m) = manual integration (+) = signals summed

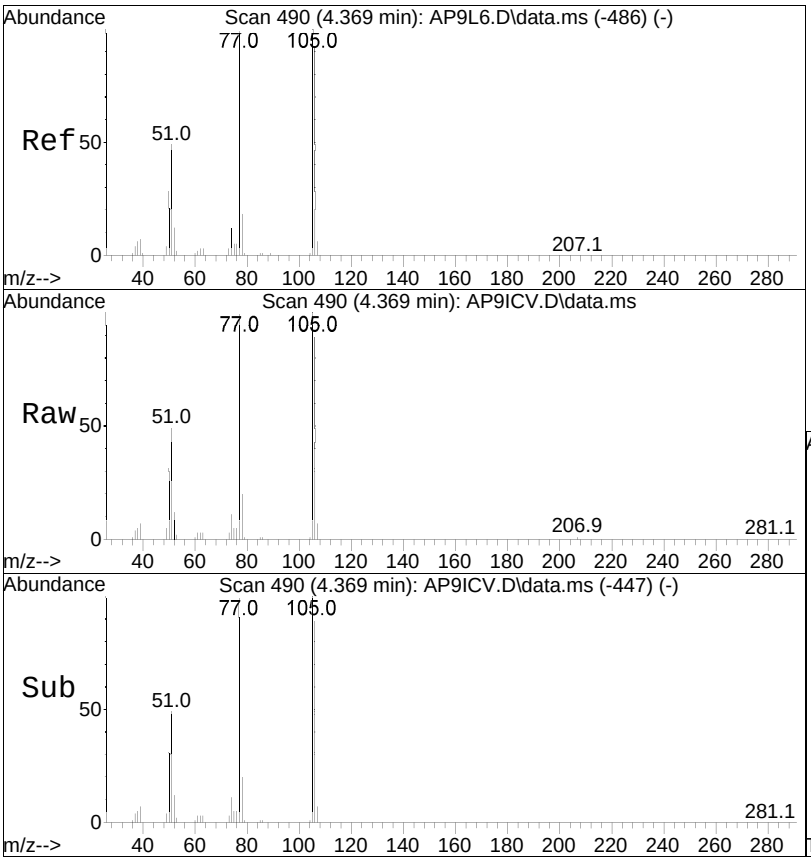
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

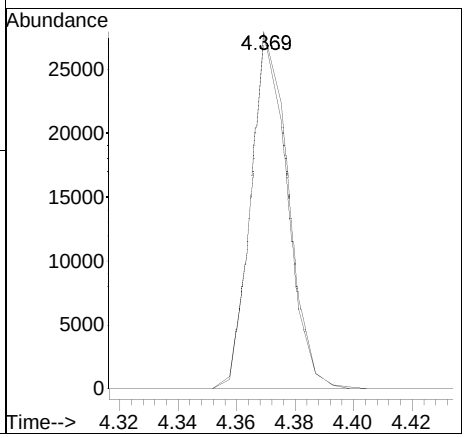


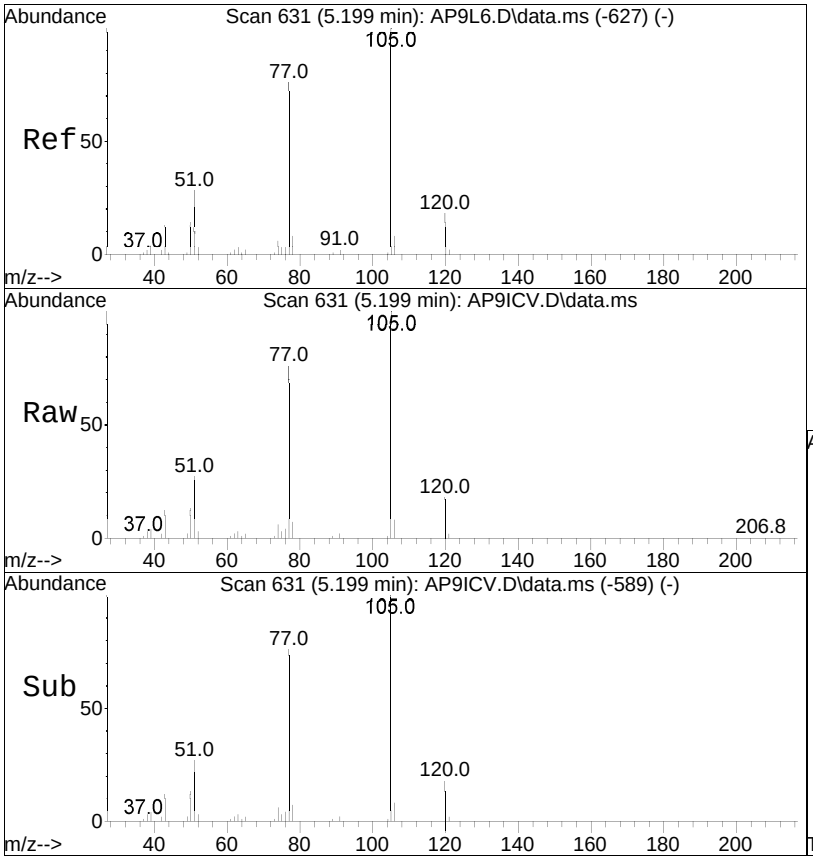


#28
Benzaldehyde
Concen: 4.64 ug/ml
RT: 4.369 min Scan# 490
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 24722

Ion	Ratio	Lower	Upper
105	100		
77	97.2	77.0	115.6

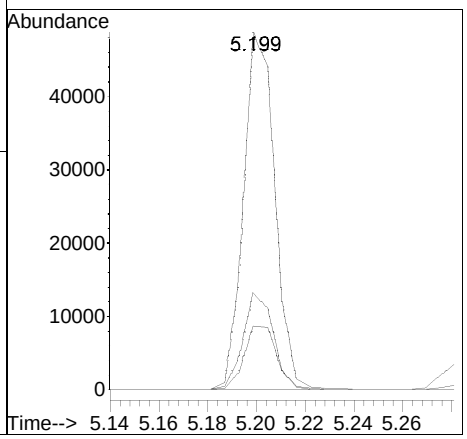


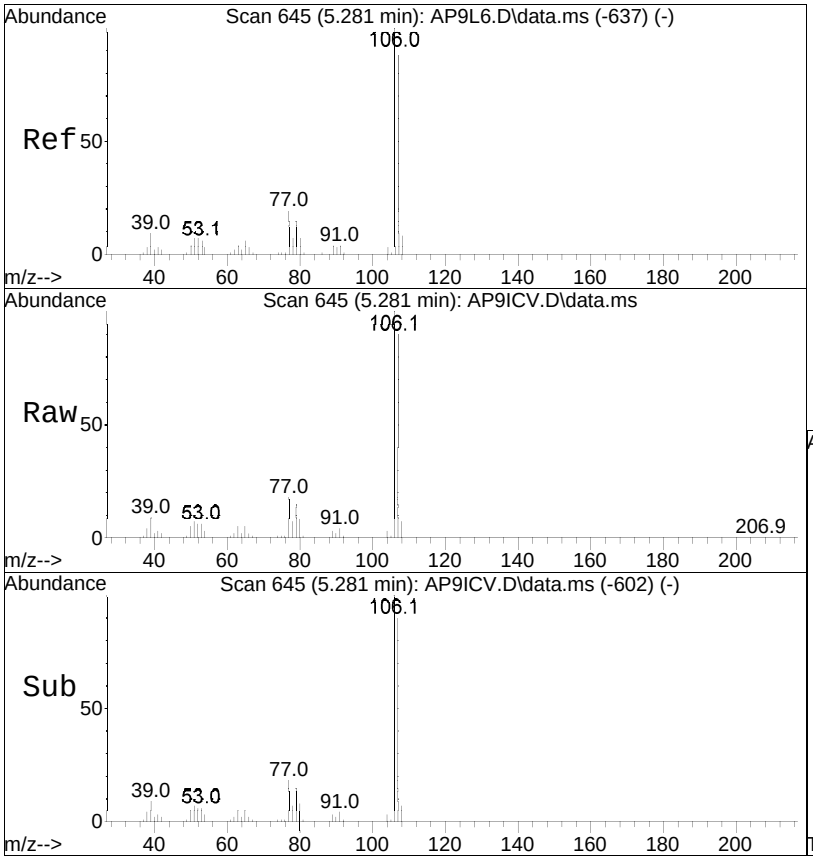


#29
Acetophenone
Concen: 4.64 ug/ml
RT: 5.199 min Scan# 631
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 43034

Ion	Ratio	Lower	Upper
105	100		
120	18.5	15.2	22.8
51	26.4	23.1	34.7

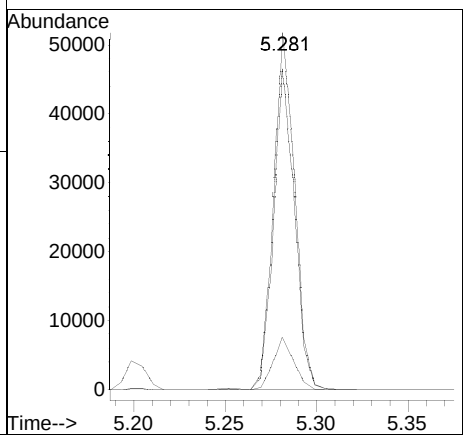


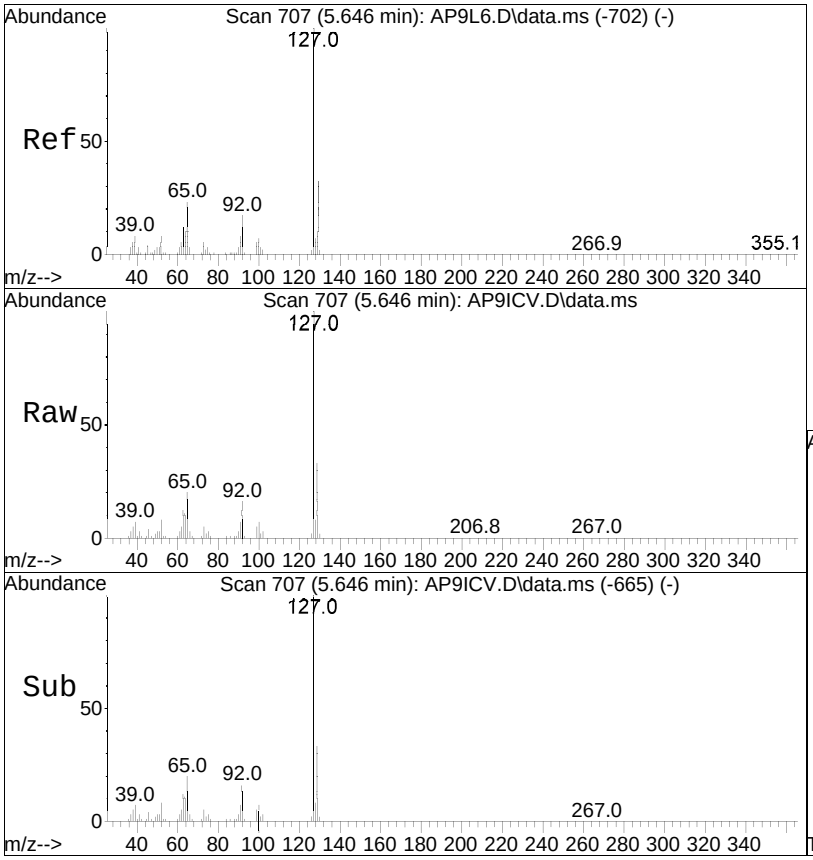


#30
m-Toluidine
Concen: 4.72 ug/ml
RT: 5.281 min Scan# 645
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:106 Resp: 42038

Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	14.2	12.2	18.2

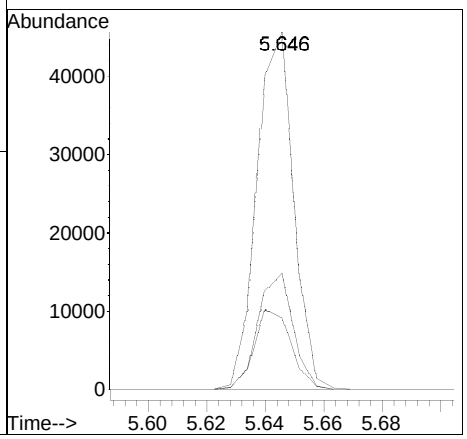


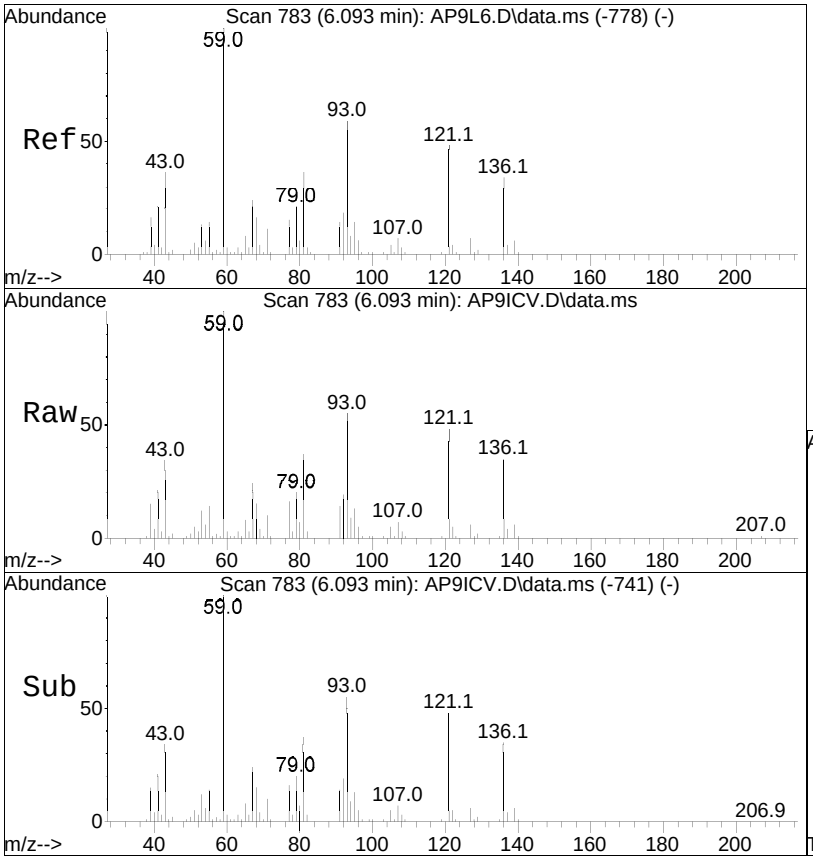


#31
2-Chloroaniline
Concen: 4.66 ug/ml
RT: 5.646 min Scan# 707
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:127 Resp: 39533

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.7	38.5
65	22.8	20.5	30.7

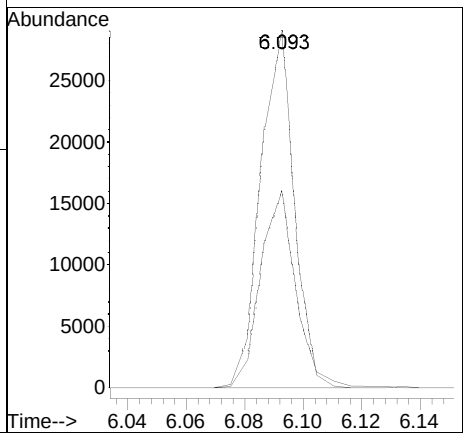


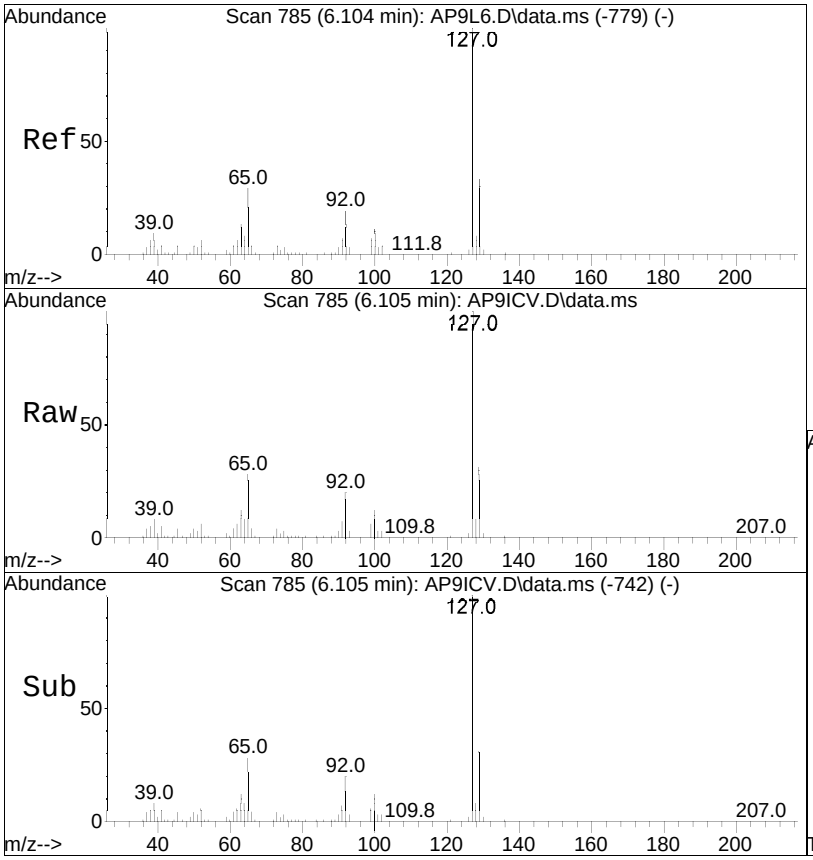


#56
a-Terpineol
Concen: 4.71 ug/ml
RT: 6.093 min Scan# 783
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 59 Resp: 23032

Ion	Ratio	Lower	Upper
59	100		
93	58.6	43.5	65.3

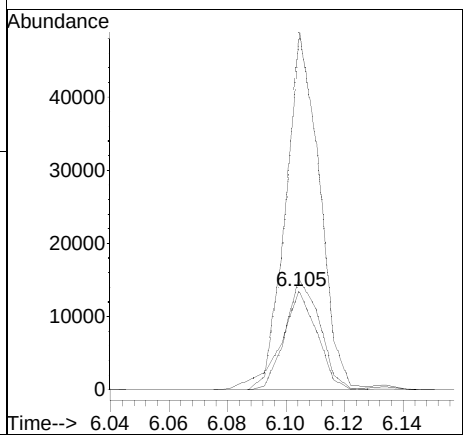


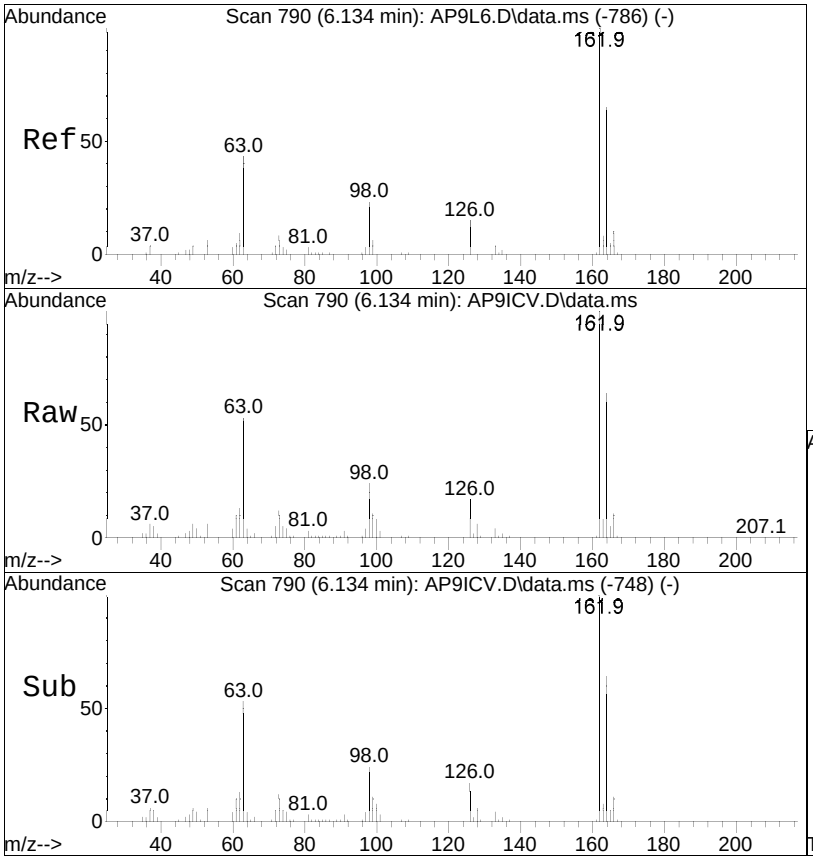


#57
3-Chloroaniline
Concen: 4.51 ug/ml
RT: 6.105 min Scan# 785
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 65 Resp: 11948

Ion	Ratio	Lower	Upper
65	100		
127	327.4	236.6	355.0
129	104.6	76.6	115.0

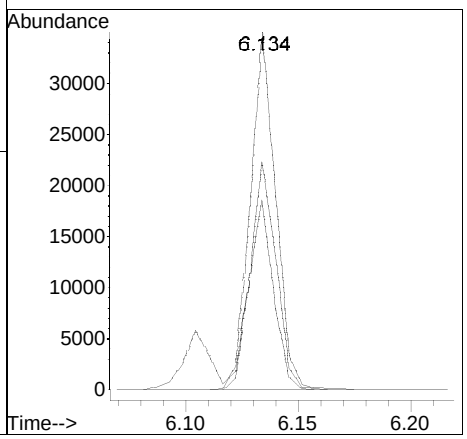


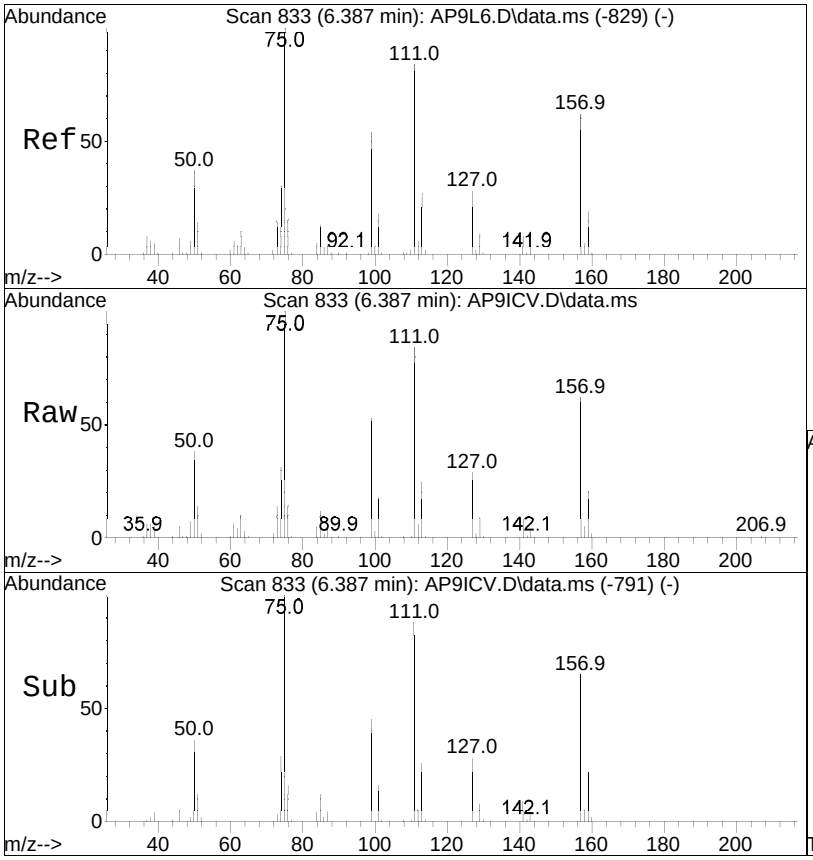


#58
2,6-Dichlorophenol
Concen: 4.76 ug/ml
RT: 6.134 min Scan# 790
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:162 Resp: 27335

Ion	Ratio	Lower	Upper
162	100		
164	64.1	50.8	76.2
63	52.1	53.6	80.4#

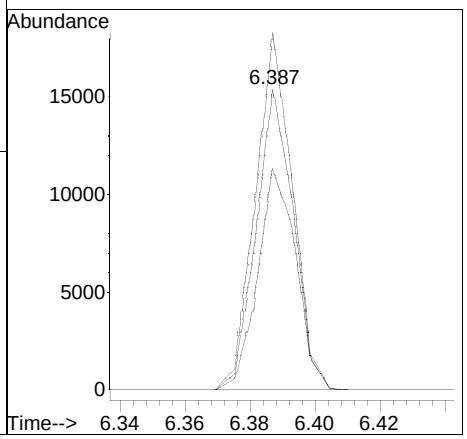


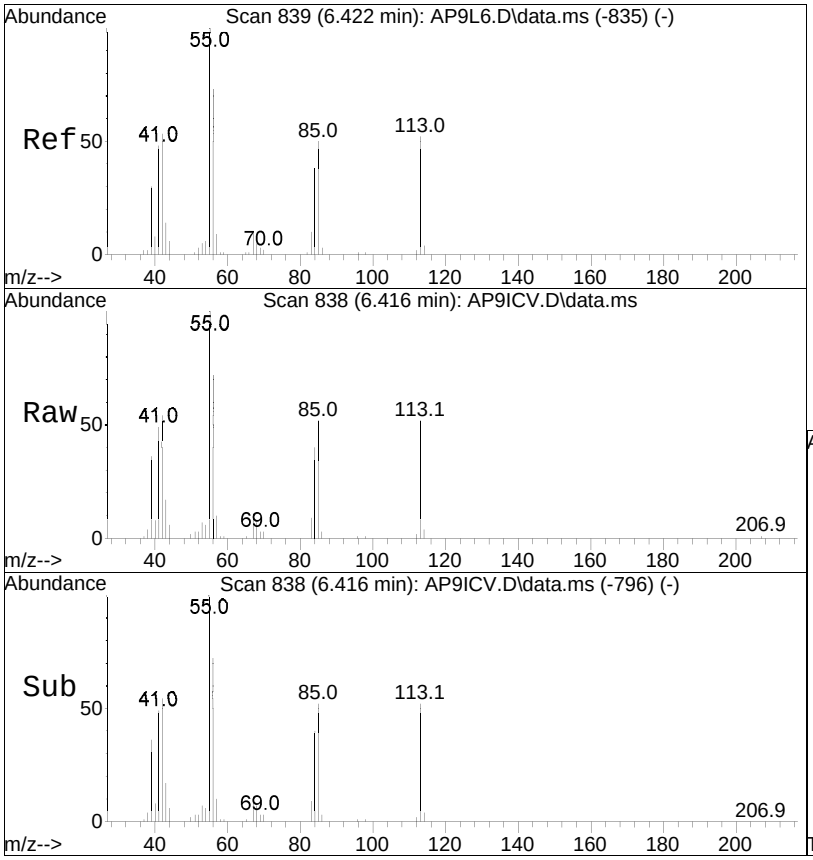


#59
1-chloro-2-nitrobenzene
Concen: 4.82 ug/ml
RT: 6.387 min Scan# 833
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:111 Resp: 12170

Ion	Ratio	Lower	Upper
111	100		
157	75.7	56.2	84.2
75	118.1	97.8	146.6

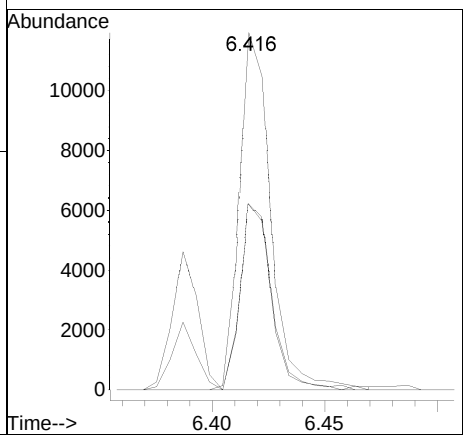


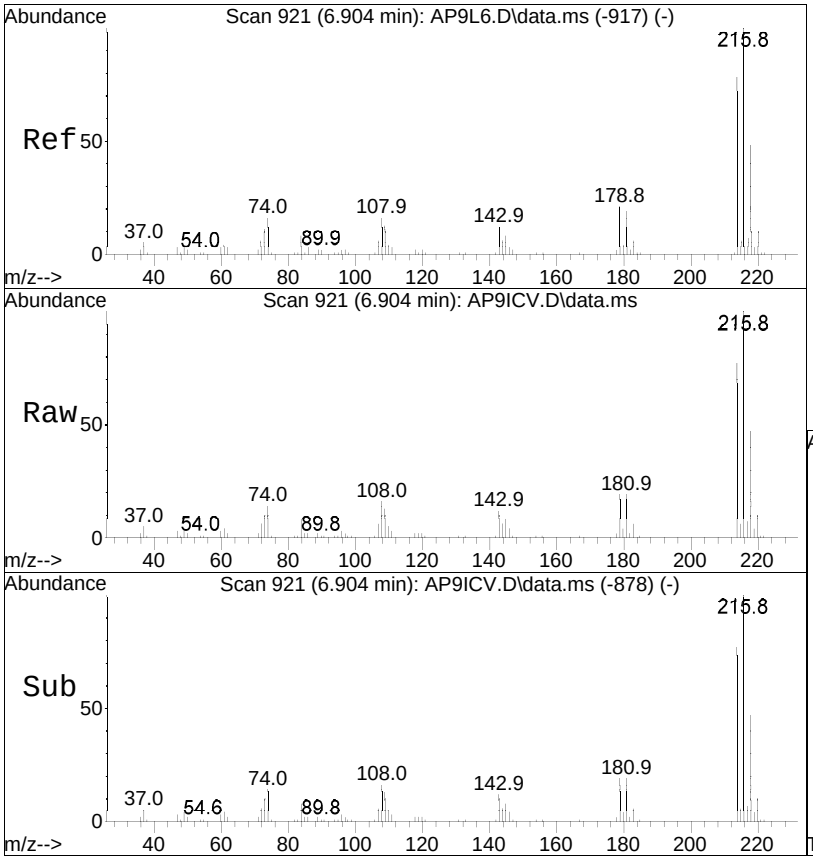


#60
Caprolactam
Concen: 4.06 ug/ml
RT: 6.416 min Scan# 838
Delta R.T. -0.006 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 55 Resp: 11582

Ion	Ratio	Lower	Upper
55	100		
85	51.5	35.2	52.8
113	52.5	36.6	55.0

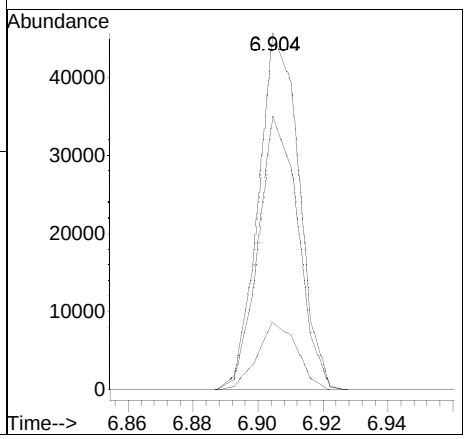


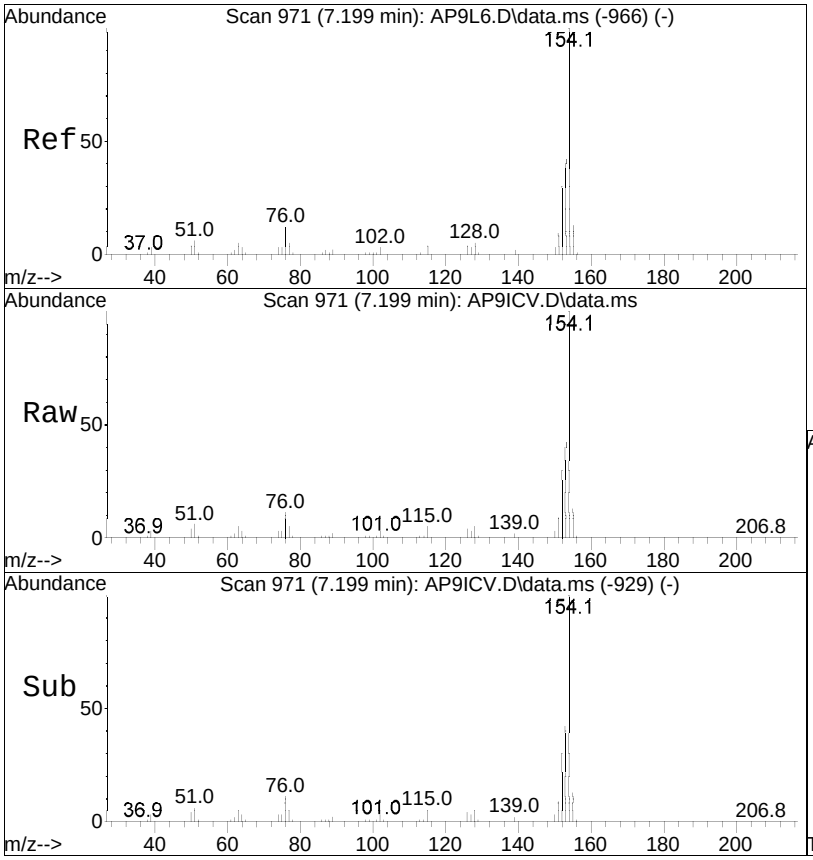


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.66 ug/ml
RT: 6.904 min Scan# 921
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:216 Resp: 39341

Ion	Ratio	Lower	Upper
216	100		
214	75.7	64.0	96.0
179	18.6	18.7	28.1#

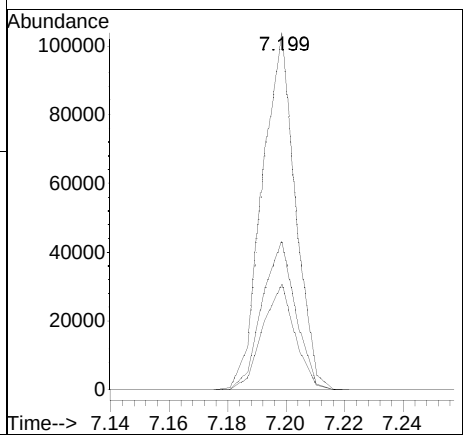


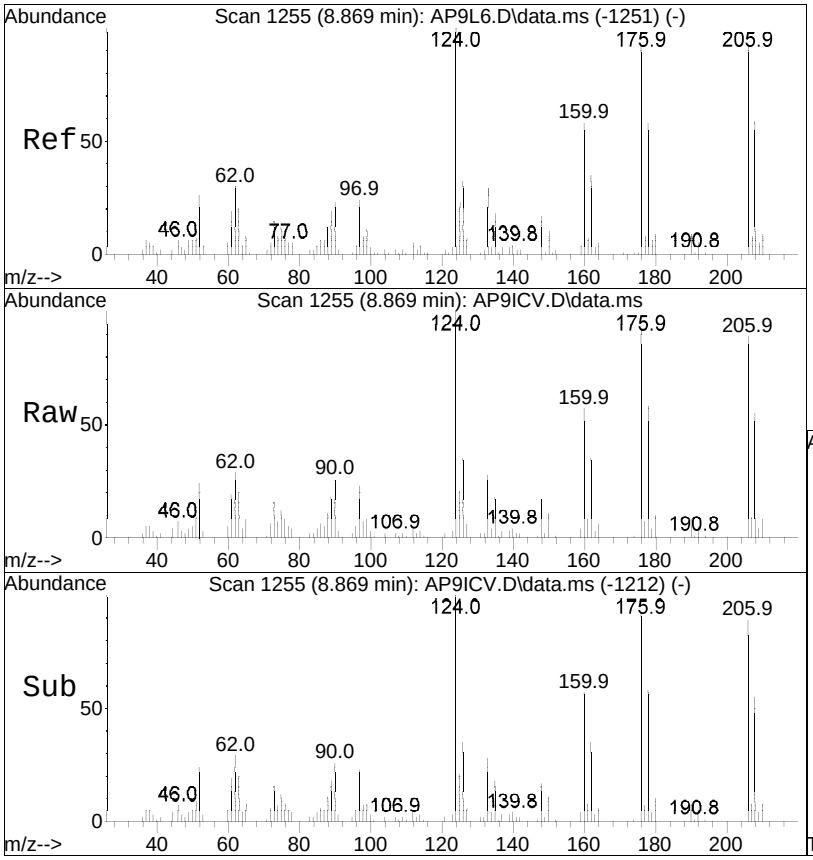


#62
Biphenyl
Concen: 4.48 ug/ml
RT: 7.199 min Scan# 971
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:154 Resp: 81125

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.5	48.7
152	29.3	22.6	34.0

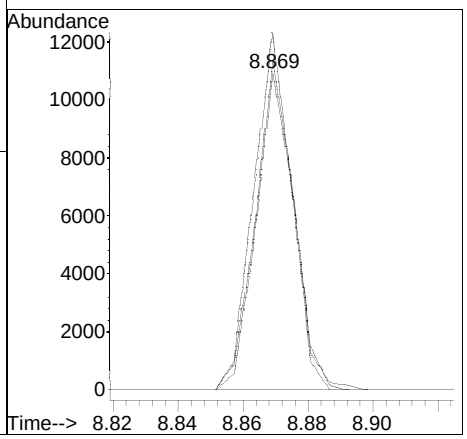


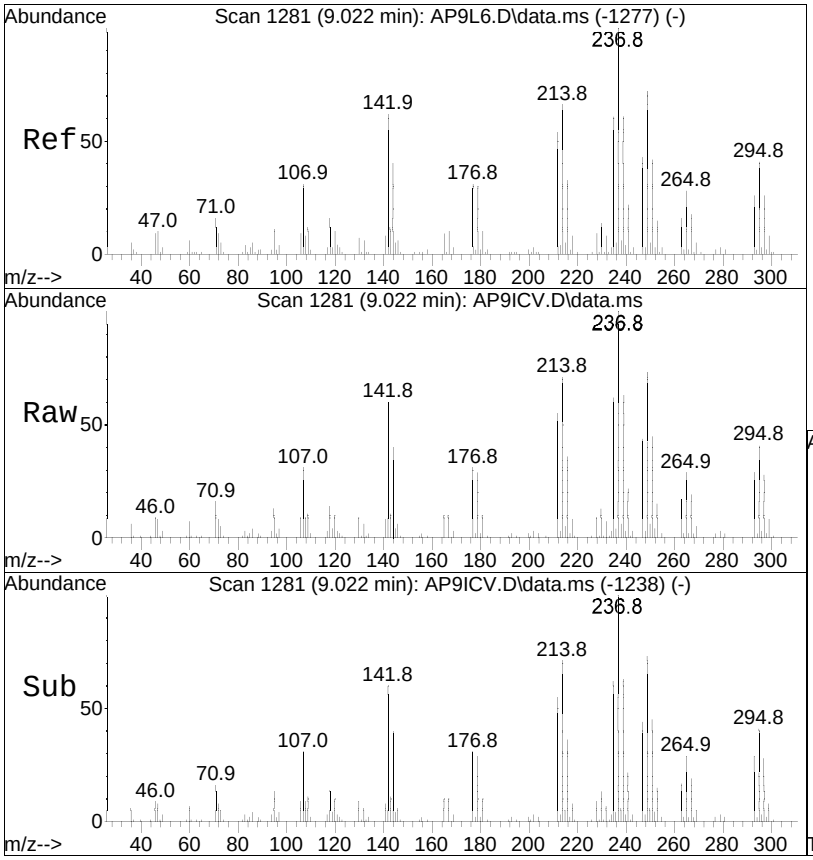


#84
Dichloran
Concen: 3.78 ug/ml
RT: 8.869 min Scan# 1255
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:206 Resp: 8814

Ion	Ratio	Lower	Upper
206	100		
176	104.9	98.8	148.2
124	111.6	125.8	188.6#

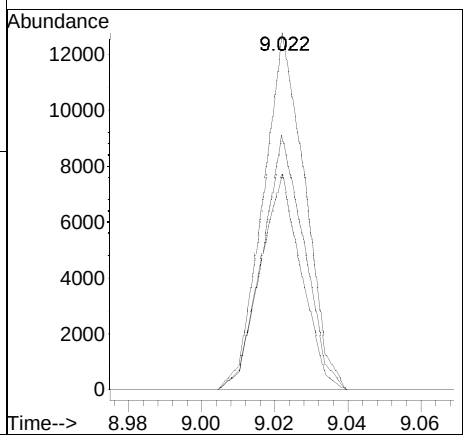


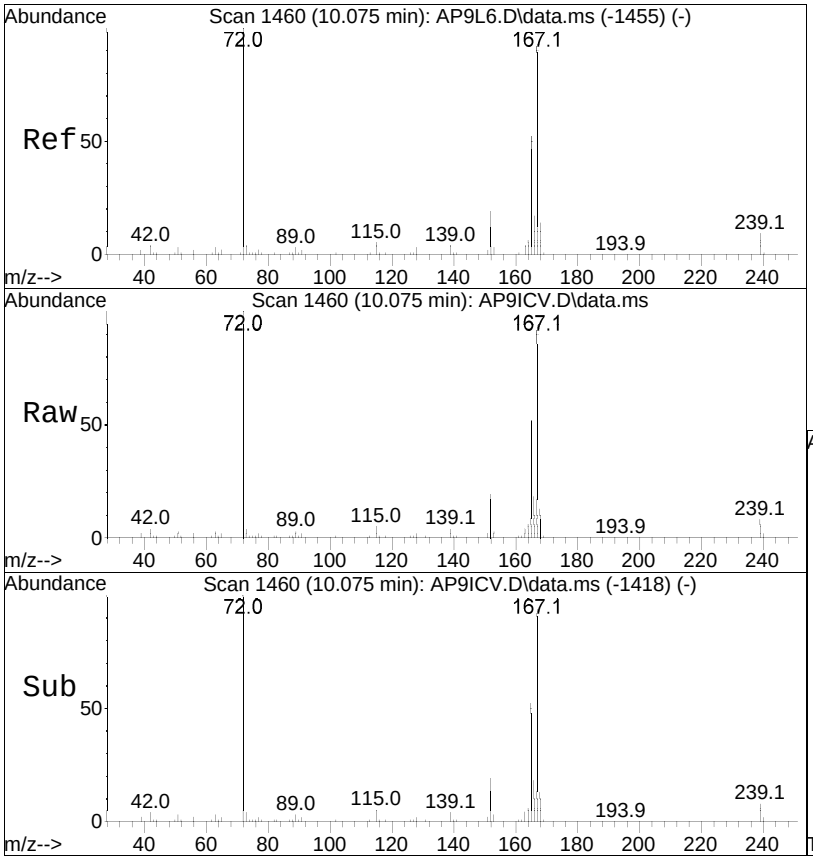


#85
Pentachloronitrobenzene
Concen: 4.08 ug/ml
RT: 9.022 min Scan# 1281
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:237 Resp: 10155

Ion	Ratio	Lower	Upper
237	100		
142	60.0	70.3	105.5#
214	70.9	59.4	89.2

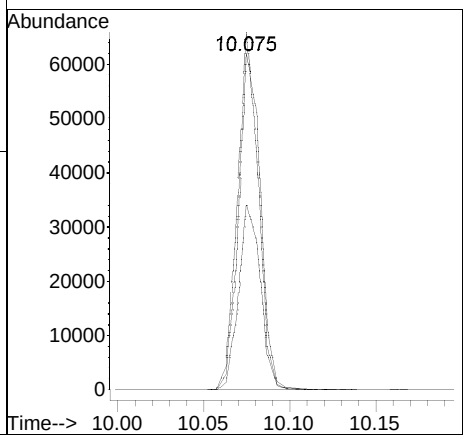




#99
Diphenamid
Concen: 4.49 ug/ml
RT: 10.075 min Scan# 1460
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:167 Resp: 54038

Ion	Ratio	Lower	Upper
167	100		
72	100.8	98.9	148.3
165	55.3	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9ICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 3:39 am	Instrument	: SV112
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/30/2024 2:38 pm

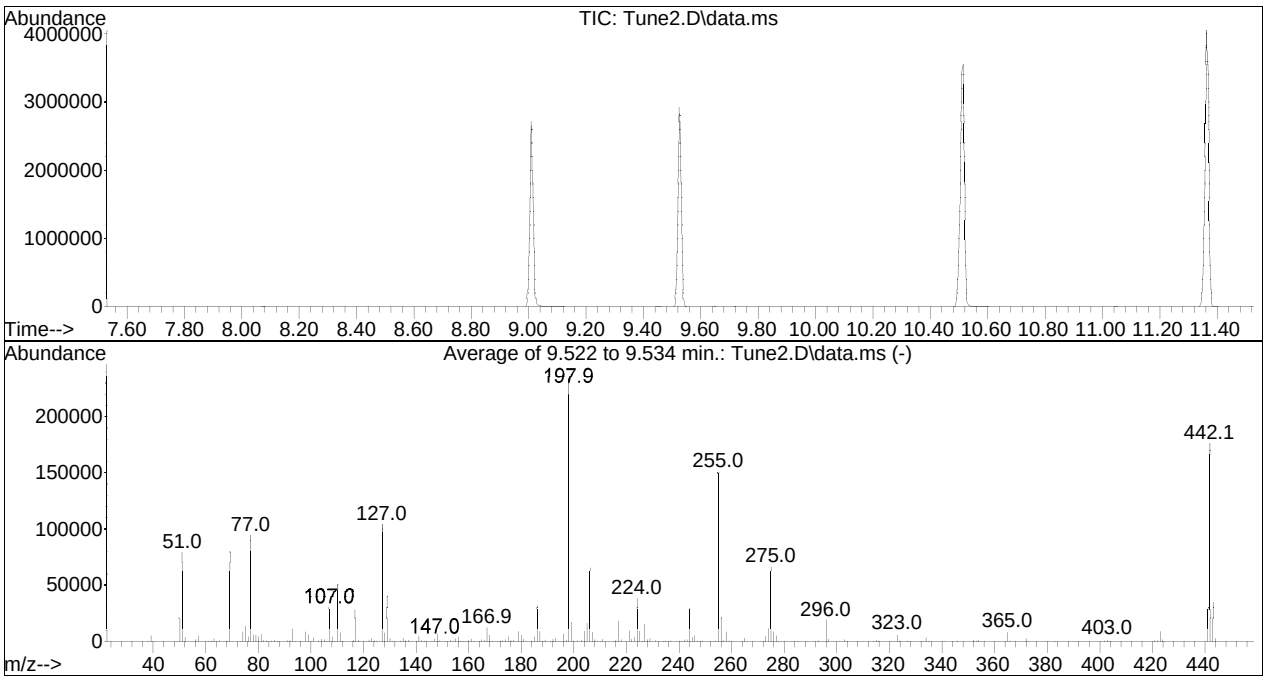
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



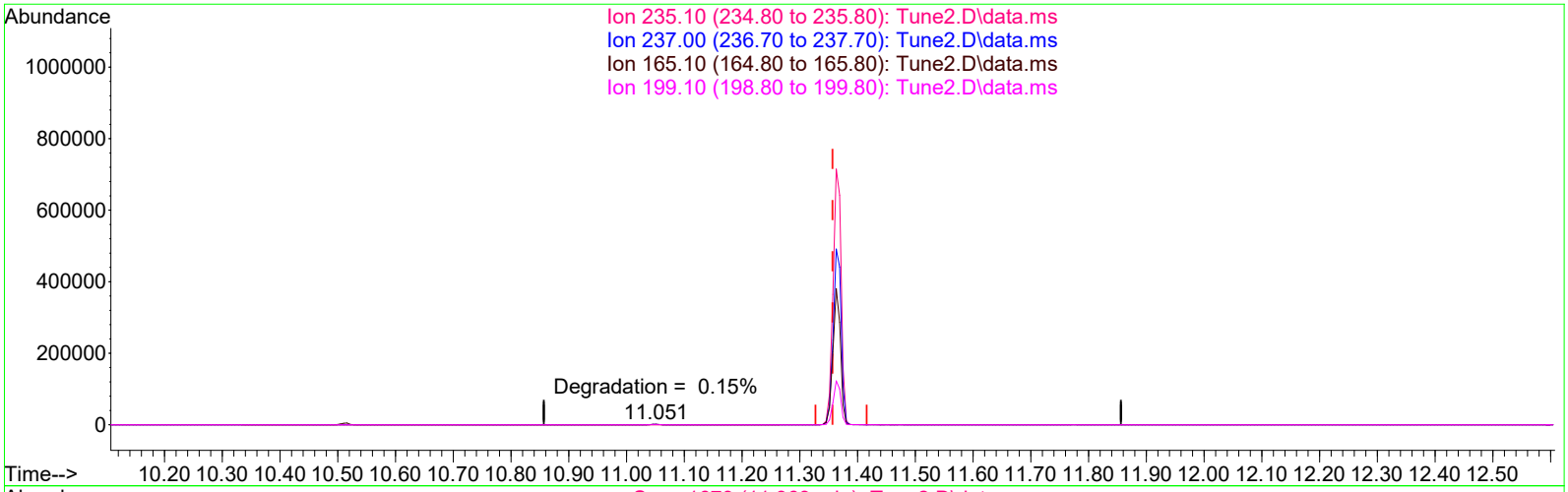
Spectrum Information: Average of 9.522 to 9.534 min.

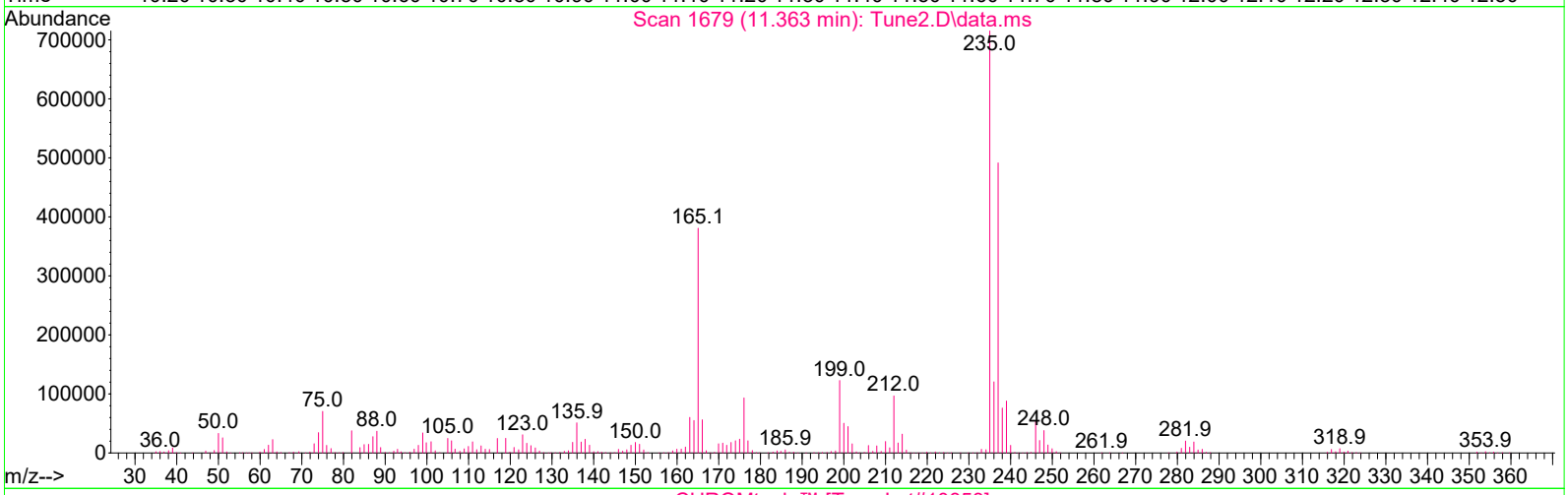
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	78592	PASS
68	69	0.00	2	1.6	1239	PASS
69	69	100	100	100.0	79691	PASS
70	69	0.00	2	0.5	407	PASS
127	198	10	80	44.2	103691	PASS
197	198	0.00	2	0.7	1726	PASS
198	198	100	100	100.0	234816	PASS
199	198	5	9	7.1	16749	PASS
275	198	10	60	28.0	65861	PASS
365	198	1	100	3.5	8174	PASS
441	442	0.01	24	17.2	30328	PASS
442	198	50	100	74.9	175909	PASS
443	442	15	24	19.9	34941	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.363min (+ 0.006) 115.23

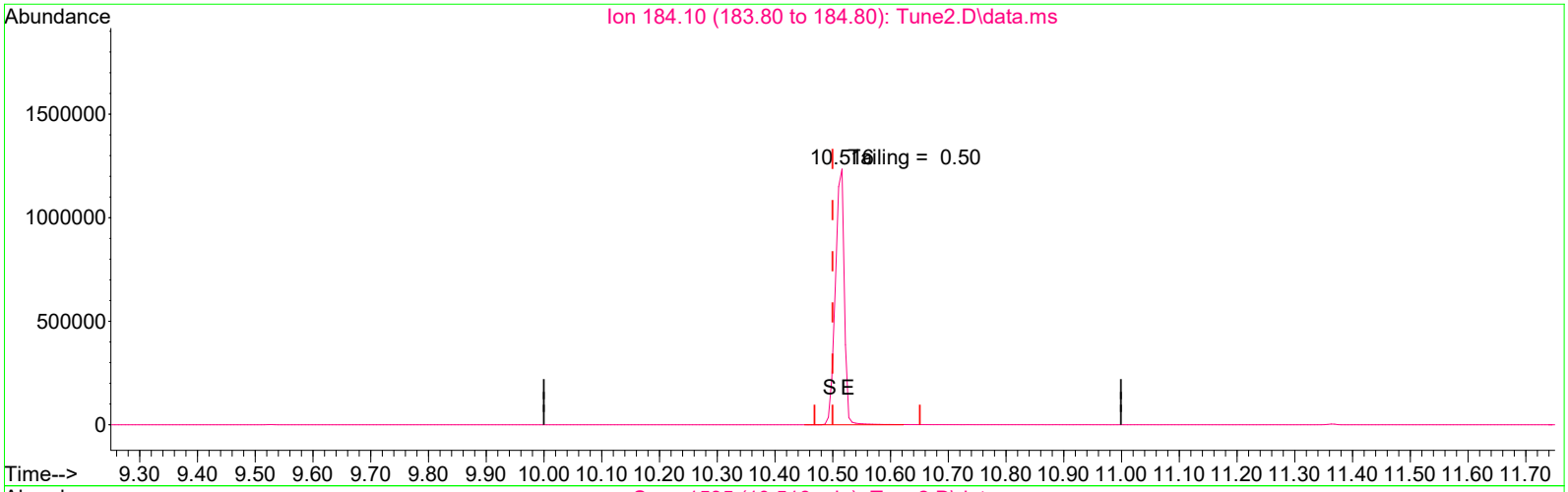
response 702426

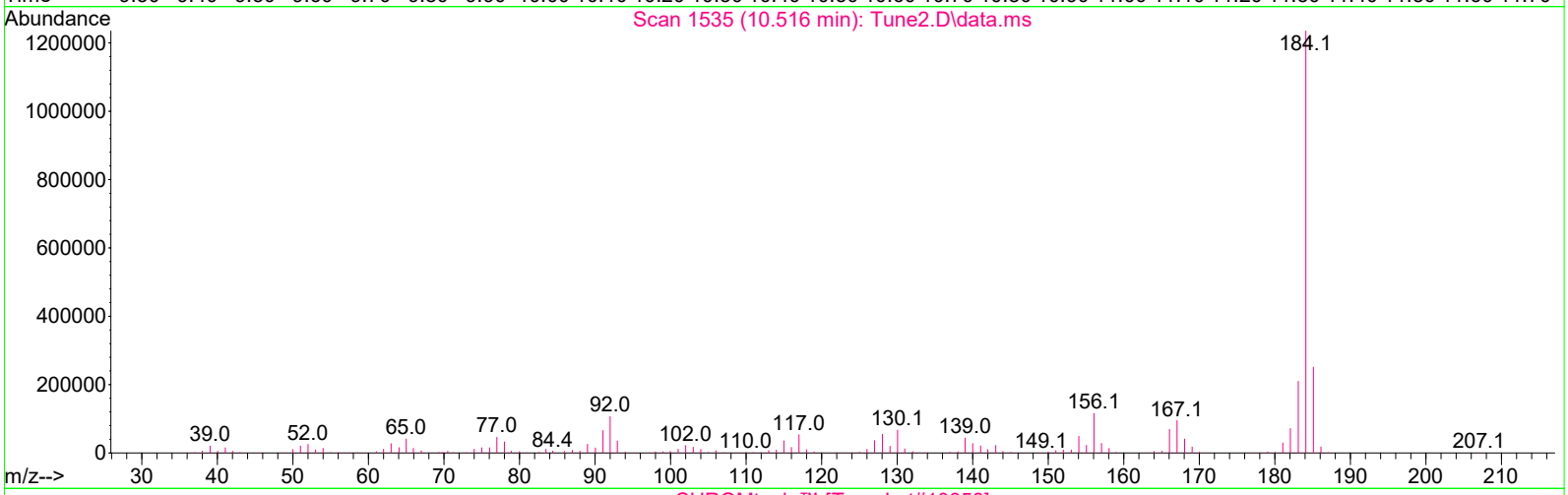
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.60
165.10	42.20	49.55
199.10	13.70	16.21

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.516min (+ 0.016) 131.09

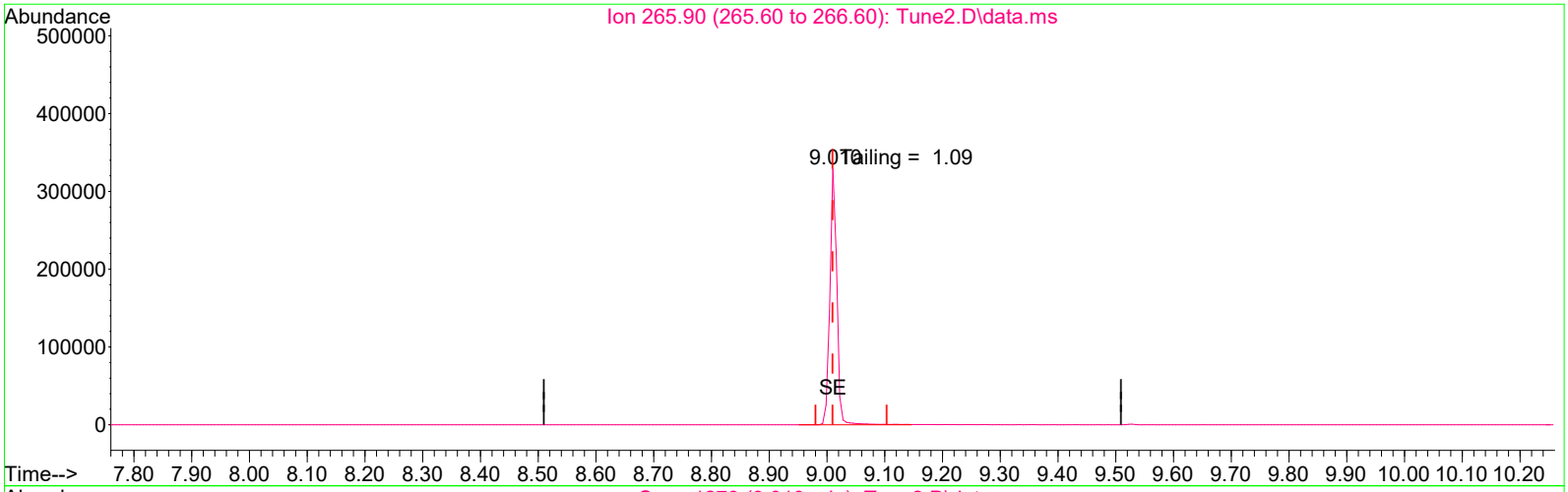
response 1334527

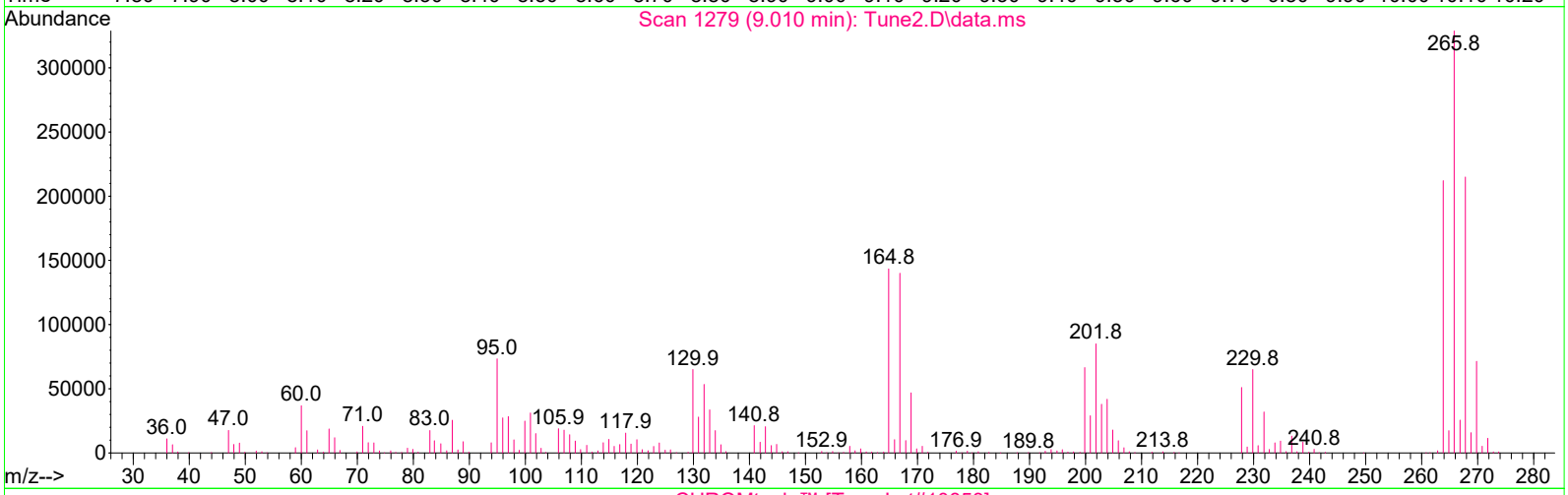
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.010min (+ 0.000) 130.93

response 275000

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.805	152	20470	4.000	ug/ml		0.00
	Standard Area 1 = 20189			Recovery =	101.39%			
86)	IS3_Acenaphthene-d10	7.746	164	50851	4.000	ug/ml		0.00
	Standard Area 1 = 45088			Recovery =	112.78%			
100)	IS3_Phenanthrene-d10	9.175	188	124157	4.000	ug/ml	#	0.00
	Standard Area 1 = 107936			Recovery =	115.03%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.887	88	109040	45.293	ug/ml		90
34)	n-Decane	4.693	57	294067	50.165	ug/ml#		94
87)	Atrazine	8.952	200	328196	58.499	ug/ml		96
101)	n-Octadecane	9.146	57	550946	56.408	ug/ml		90
102)	Parathion	9.963	109	189120	49.698	ug/ml#		90
103)	3,3'-Dimethylbenzidine	11.257	212	1251144	49.001	ug/ml#		90

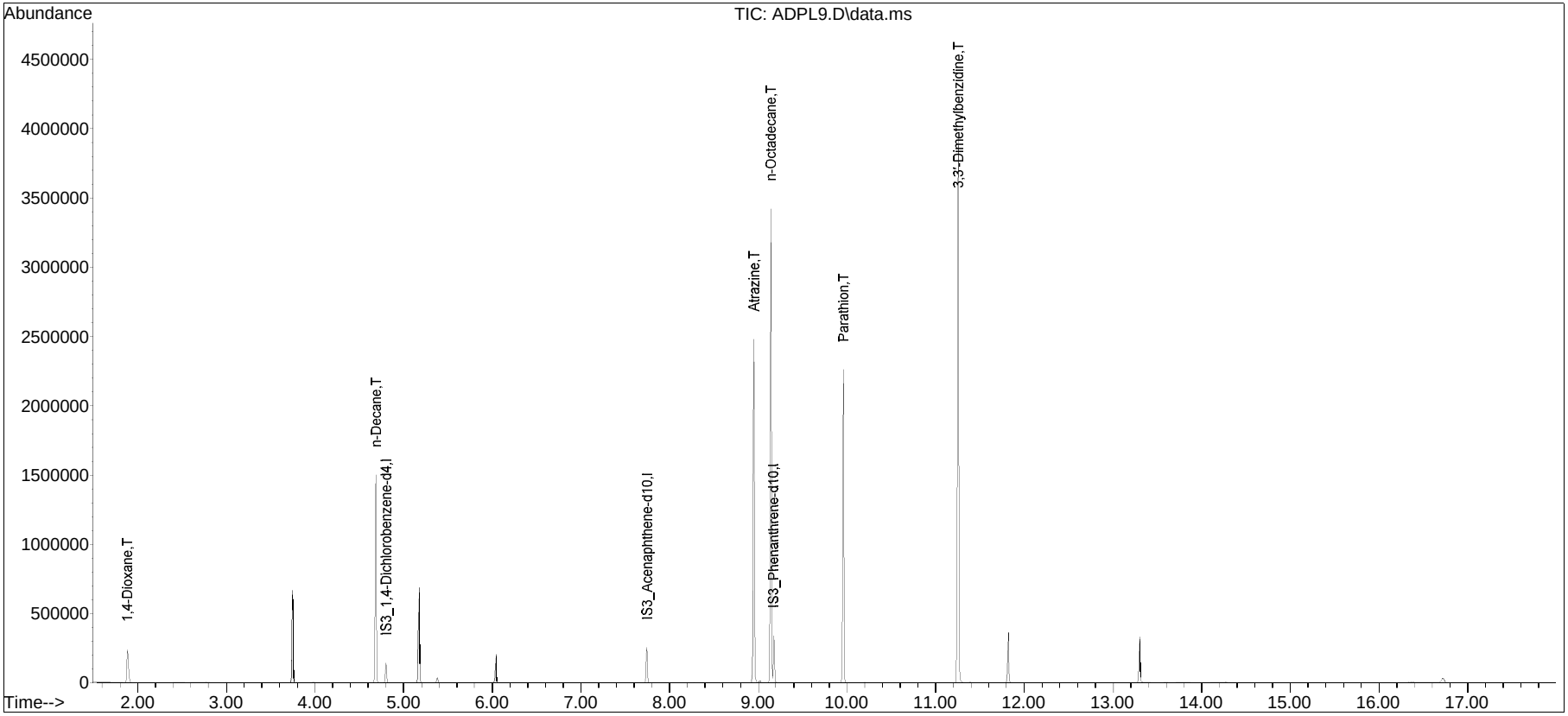
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL9.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:25 am	Instrument	: SV112
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

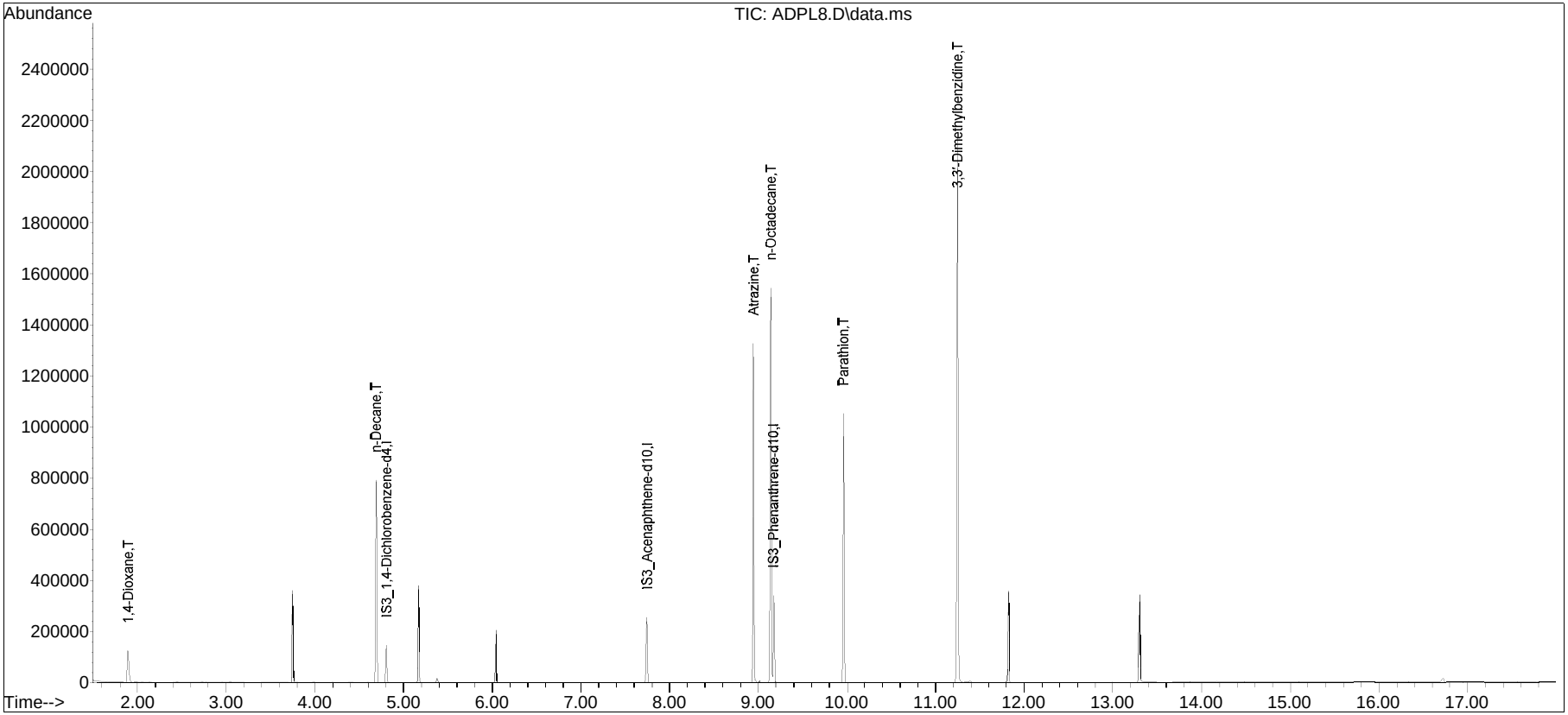
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	21763	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	107.80%		
86) IS3_Acenaphthene-d10	7.746	164	50588	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	112.20%		
100) IS3_Phenanthrene-d10	9.175	188	124301	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	115.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	57618	22.511	ug/ml#	88
34) n-Decane	4.687	57	155787	24.997	ug/ml	95
87) Atrazine	8.946	200	161042	28.854	ug/ml	97
101) n-Octadecane	9.146	57	271632	27.778	ug/ml	90
102) Parathion	9.957	109	84556	25.768	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.251	212	666158	26.154	ug/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:48 am	Instrument	: SV112
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

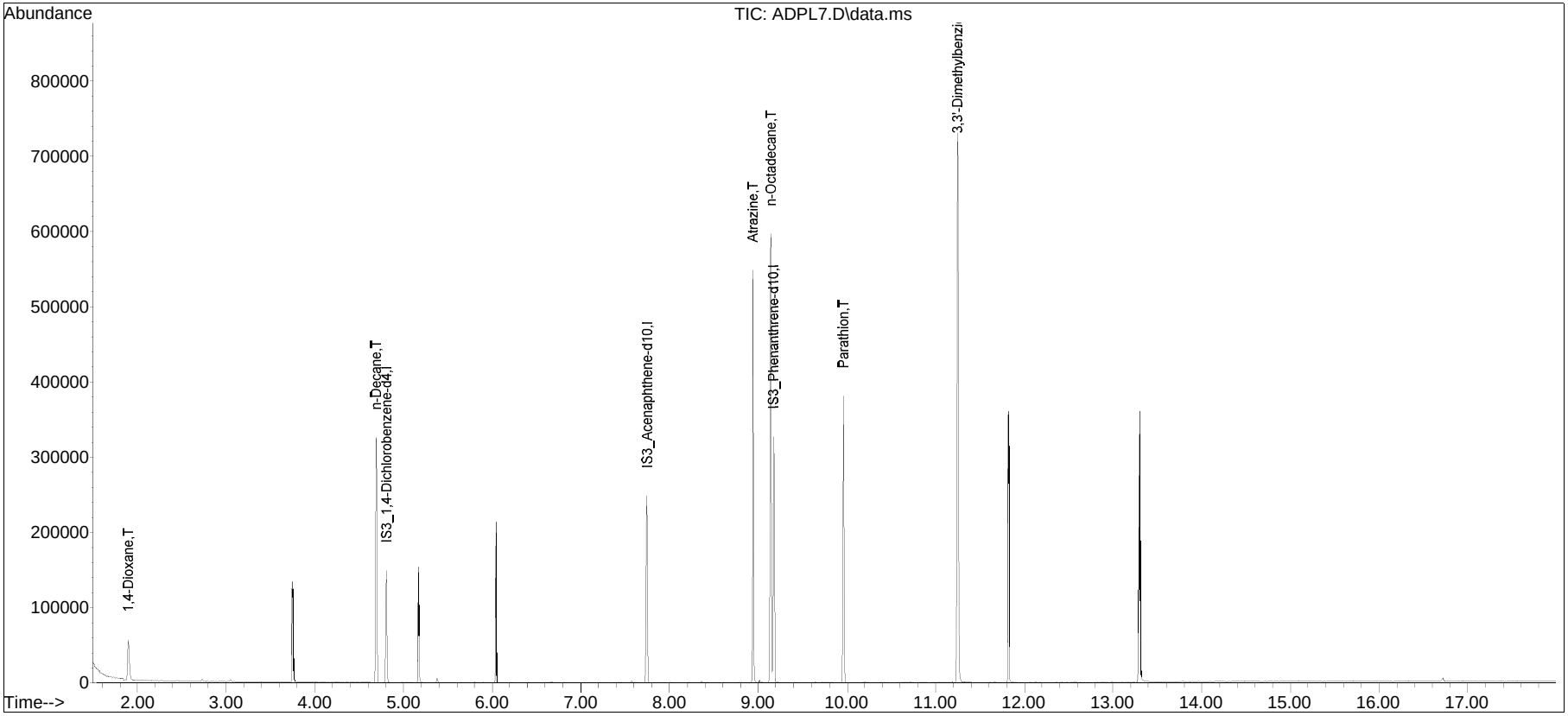
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22184	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	109.88%		
86) IS3_Acenaphthene-d10	7.746	164	50265	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	111.48%		
100) IS3_Phenanthrene-d10	9.175	188	122217	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	113.23%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	24860	9.528	ug/ml	89
34) n-Decane	4.687	57	66035	10.395	ug/ml#	94
87) Atrazine	8.940	200	63534	11.457	ug/ml	98
101) n-Octadecane	9.145	57	109359	11.374	ug/ml	91
102) Parathion	9.957	109	30072	10.443	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.251	212	264248	10.671	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:11 am	Instrument	: SV112
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

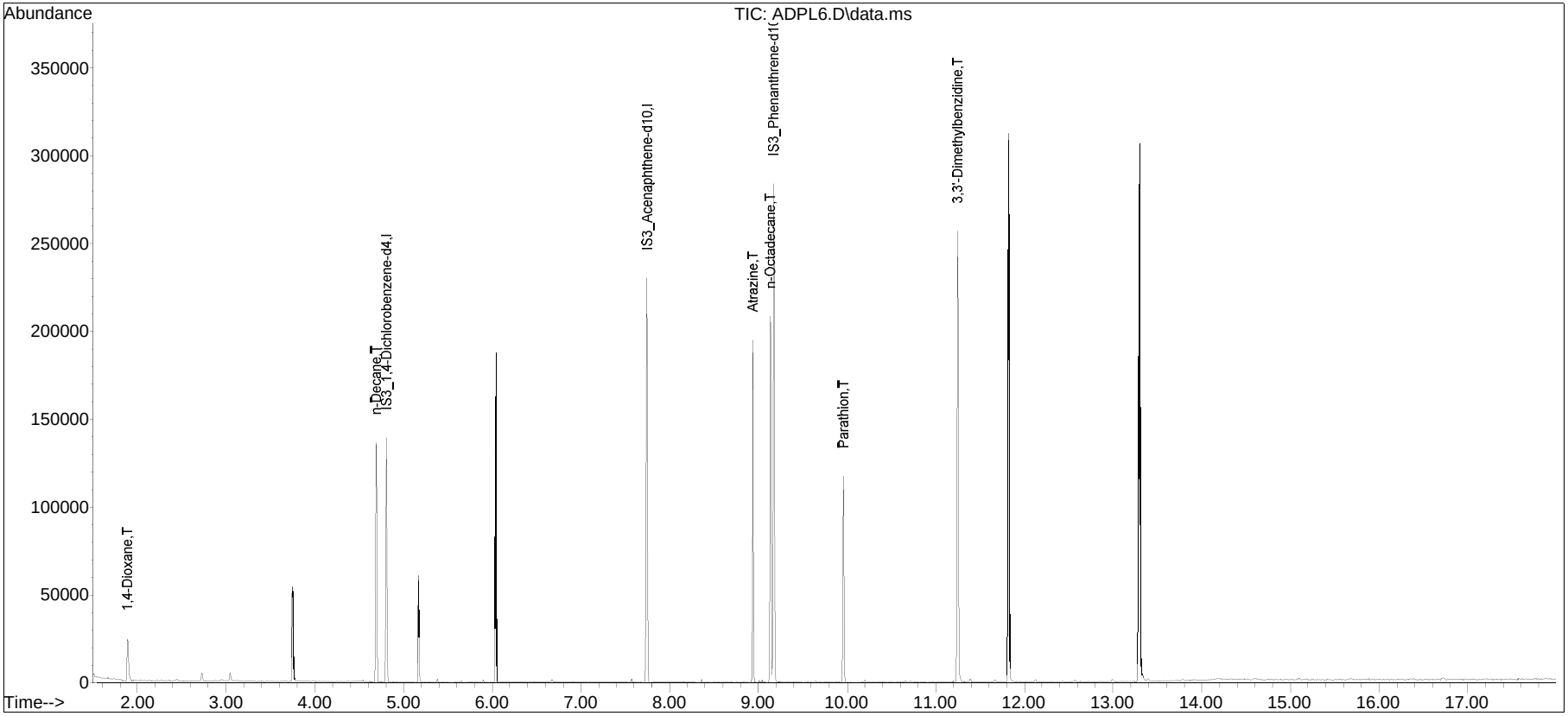
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20189	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.746	164	45088	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	9.175	188	107936	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10485	4.416	ug/ml	92
34) n-Decane	4.687	57	26759	4.628	ug/ml#	95
87) Atrazine	8.940	200	22386	4.500	ug/ml	95
101) n-Octadecane	9.140	57	37722	4.443	ug/ml	90
102) Parathion	9.957	109	9947	4.172	ug/ml#	87
103) 3,3'-Dimethylbenzidine	11.245	212	91256	4.295	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:35 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

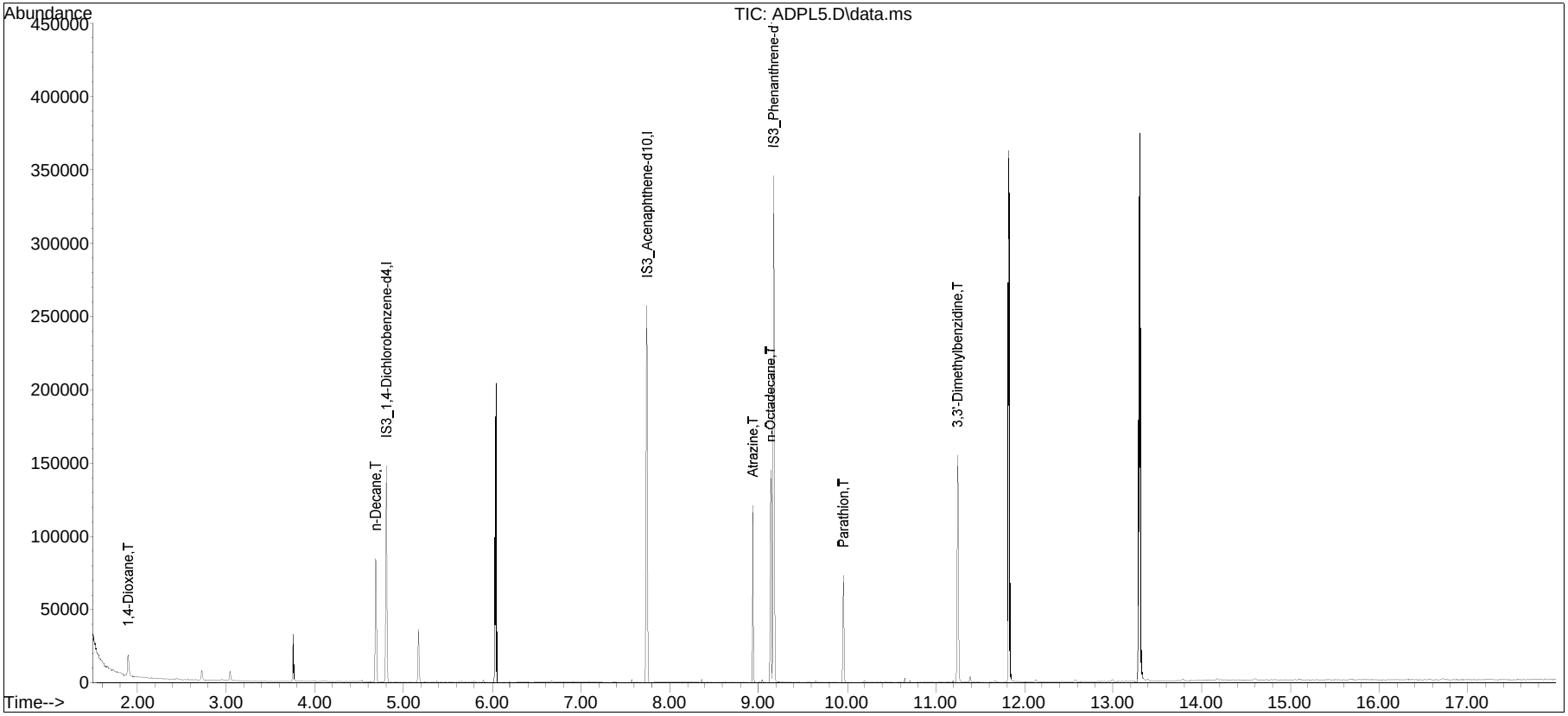
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22831	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	113.09%		
86) IS3_Acenaphthene-d10	7.746	164	52224	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	115.83%		
100) IS3_Phenanthrene-d10	9.175	188	128613	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	119.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	6660	2.480	ug/ml	94
34) n-Decane	4.687	57	16085	2.460	ug/ml#	94
87) Atrazine	8.940	200	14680	2.548	ug/ml	97
101) n-Octadecane	9.140	57	25638	2.534	ug/ml	91
102) Parathion	9.957	109	6159	2.256	ug/ml#	85
103) 3,3'-Dimethylbenzidine	11.246	212	56264	2.319	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:58 am	Instrument	: SV112
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	19329	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 95.74%			
86) IS3_Acenaphthene-d10	7.746	164	44400	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 98.47%			
100) IS3_Phenanthrene-d10	9.175	188	106041	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 98.24%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	2741M6	1.206	ug/ml	
34) n-Decane	4.687	57	6064	1.096	ug/ml	95
87) Atrazine	8.940	200	5191	1.060	ug/ml	96
101) n-Octadecane	9.140	57	8435	1.011	ug/ml	91
102) Parathion	9.957	109	2128	1.022	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.245	212	17509	1.000	ug/ml	98

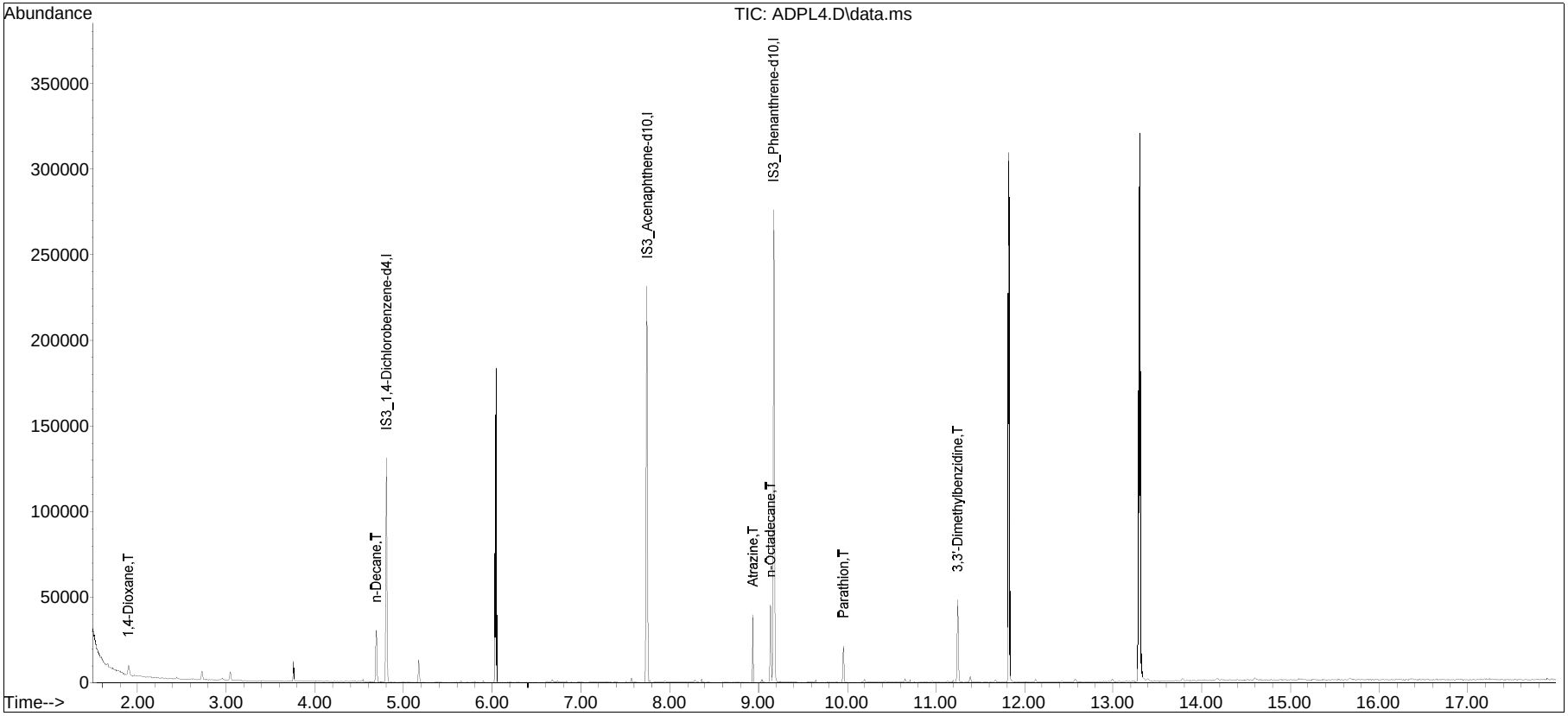
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

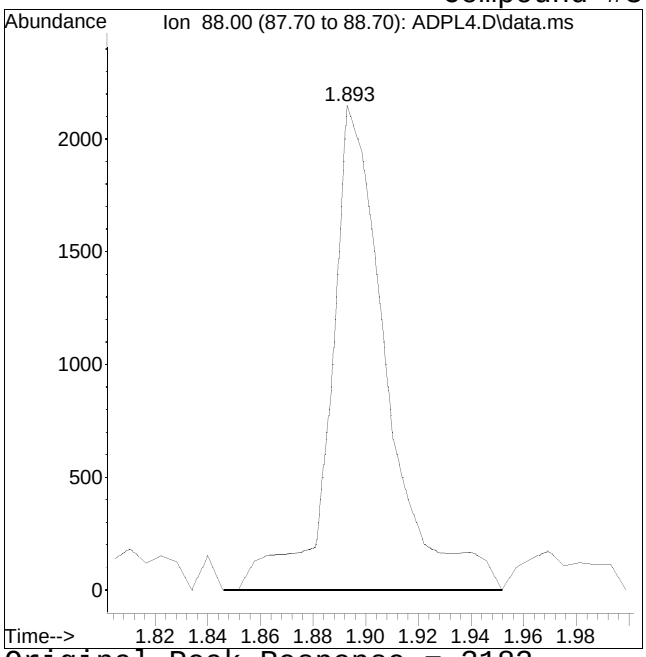
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



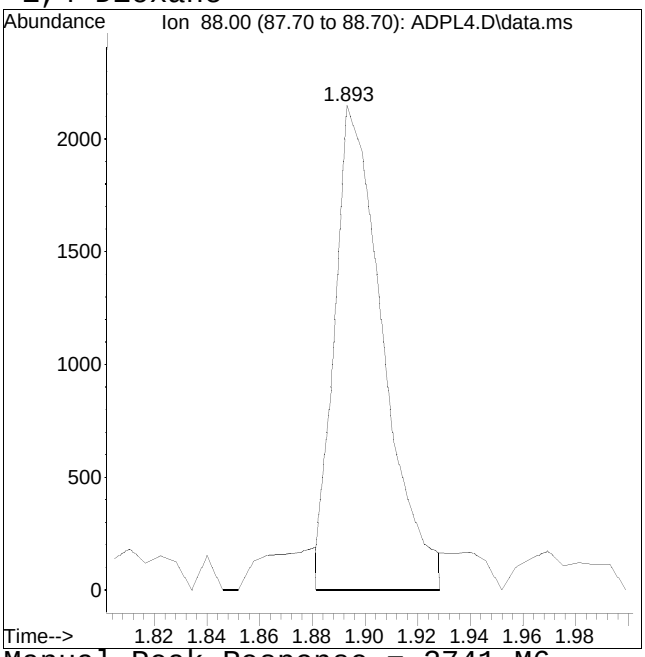
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL4.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:21 am Instrument : SV112
Sample : IL7,32,,ADPL1 Lot# 10801 Quant Date : 7/1/2024 6:26 am

Compound #33: 1,4-Dioxane



Original Peak Response = 3183



Manual Peak Response = 2741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

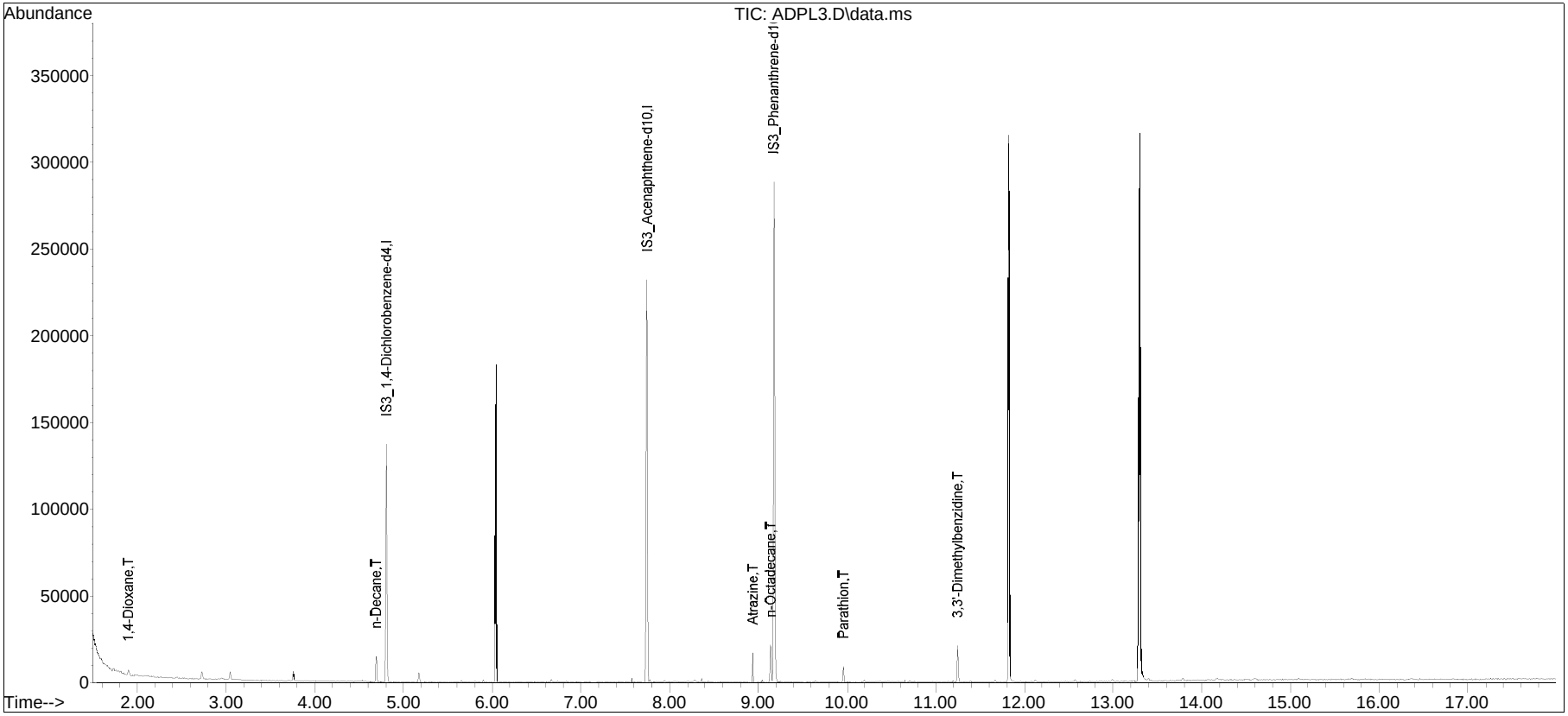
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	4.805	152	20408	4.000 ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.08%	
86) IS3_Acenaphthene-d10	7.746	164	46018	4.000 ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.06%	
100) IS3_Phenanthrene-d10	9.175	188	108127	4.000 ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.18%	
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	1.893	88	1517M6	0.632 ug/ml	
34) n-Decane	4.687	57	3040	0.520 ug/ml	94
87) Atrazine	8.940	200	2518	0.496 ug/ml	93
101) n-Octadecane	9.140	57	4037	0.475 ug/ml	93
102) Parathion	9.957	109	1026	0.547 ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.245	212	8020	0.560 ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

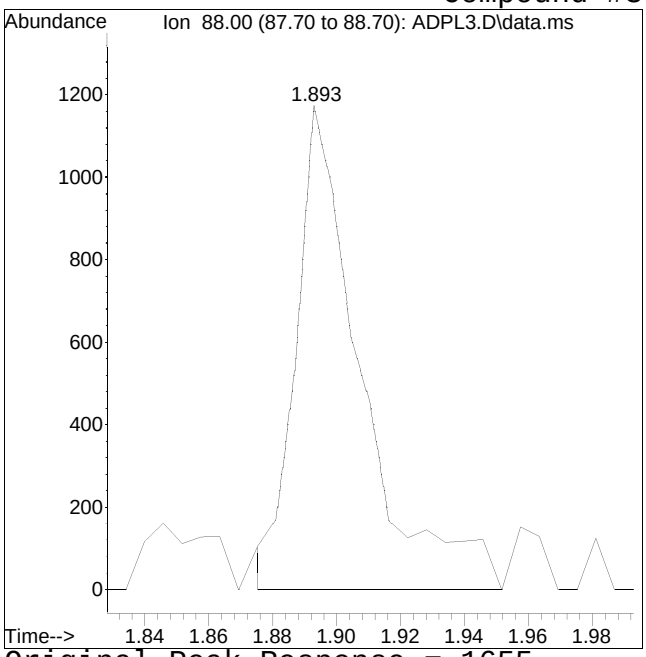
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



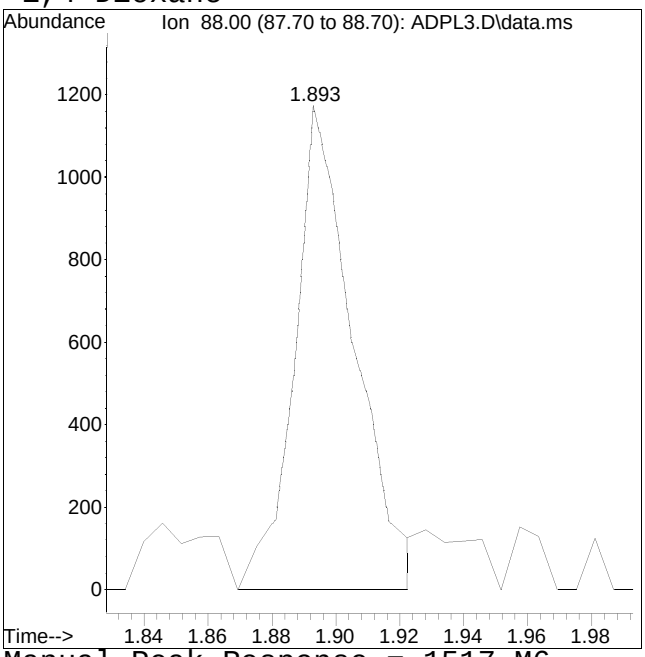
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL3.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:44 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 10802Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 1655



Manual Peak Response = 1517 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

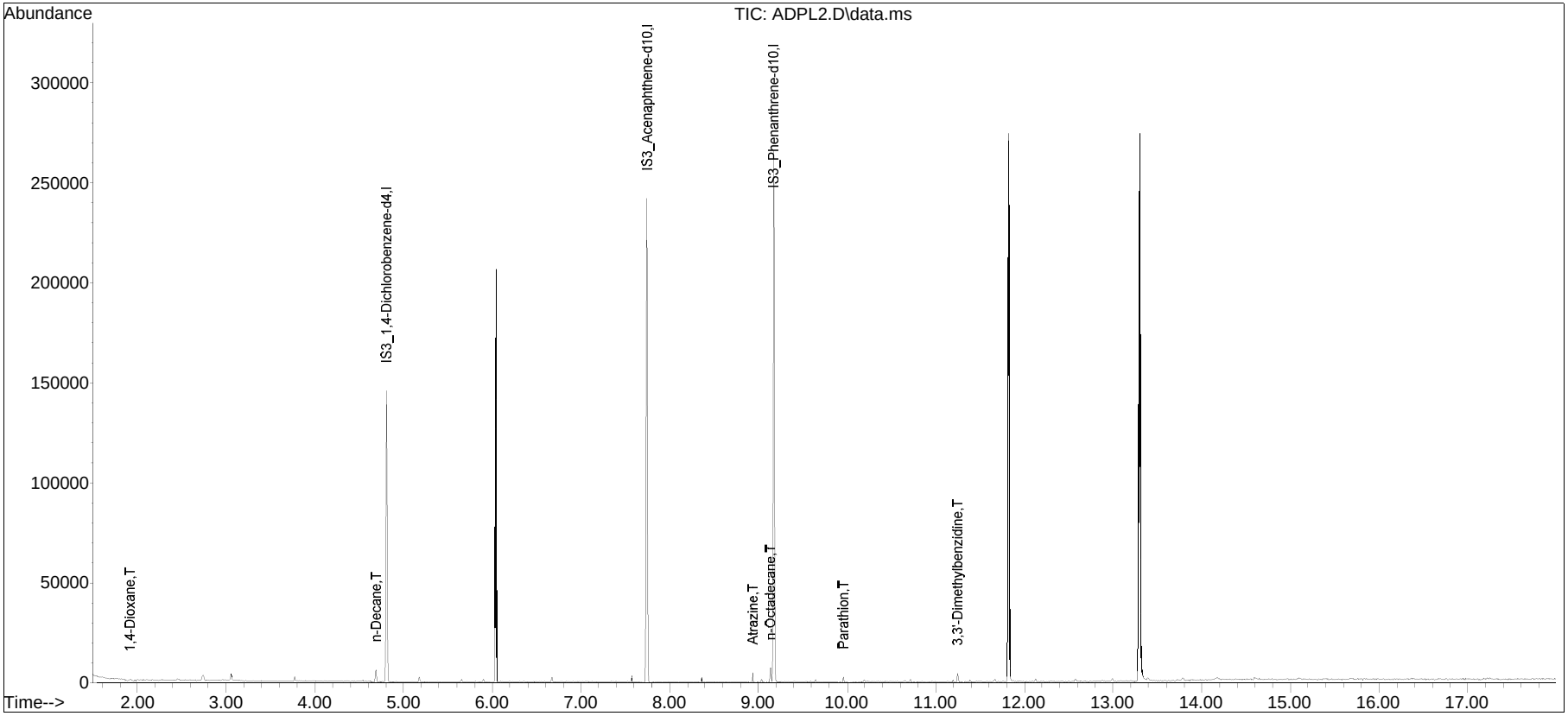
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22327	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	110.59%		
86) IS3_Acenaphthene-d10	7.746	164	46135	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.32%		
100) IS3_Phenanthrene-d10	9.175	188	101129	4.000	ug/ml #	0.00
Standard Area 1 = 107936			Recovery =	93.69%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.916	88	588	0.224	ug/ml#	31
34) n-Decane	4.693	57	1353	0.212	ug/ml	95
87) Atrazine	8.940	200	862	0.169	ug/ml#	37
101) n-Octadecane	9.140	57	1533	0.193	ug/ml	93
102) Parathion	9.957	109	339M2	0.269	ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	2291	0.310	ug/ml#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

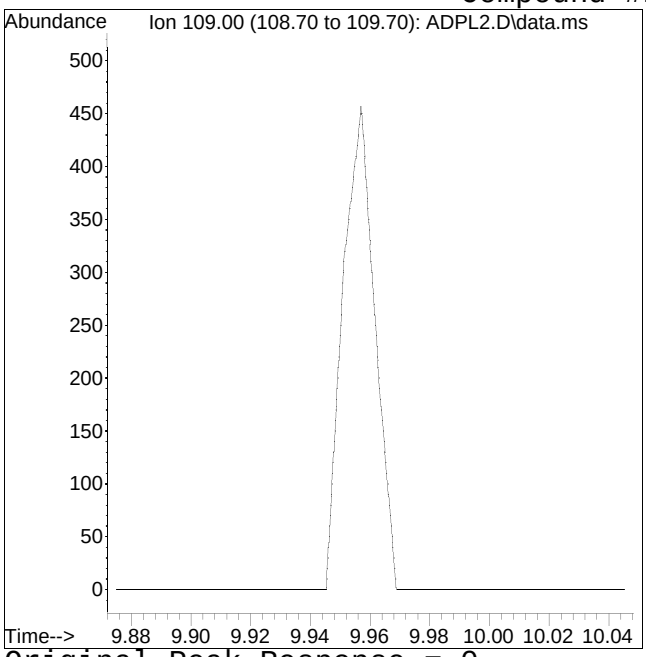
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



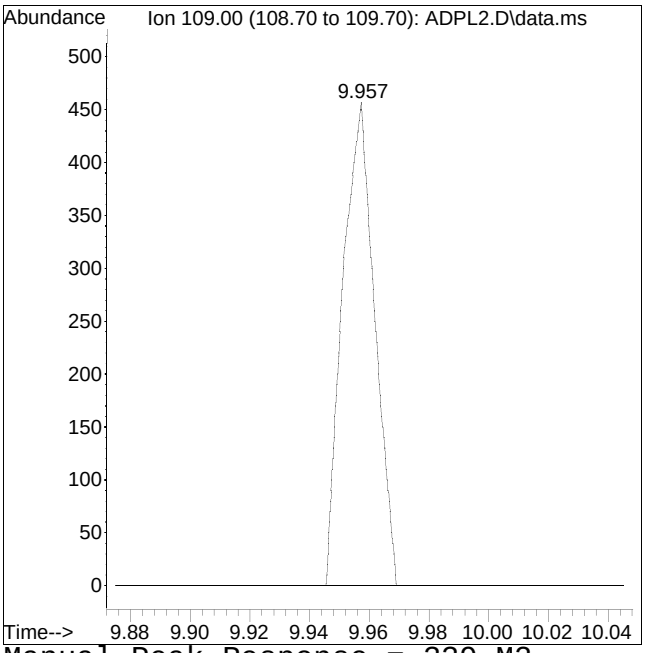
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:08 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 10803Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 339 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	4.805	152	19406	4.000 ug/ml	0.00
Standard Area 1 = 20189			Recovery = 96.12%		
86) IS3_Acenaphthene-d10	7.746	164	43780	4.000 ug/ml	0.00
Standard Area 1 = 45088			Recovery = 97.10%		
100) IS3_Phenanthrene-d10	9.175	188	100147	4.000 ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 92.78%		
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	1.899	88	310M2	0.136 ug/ml	
34) n-Decane	4.687	57	592	0.107 ug/ml#	76
87) Atrazine	8.940	200	426M2	0.088 ug/ml	
101) n-Octadecane	9.146	57	780	0.099 ug/ml	92
102) Parathion	9.957	109	191M2	0.204 ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	1151	0.256 ug/ml#	61

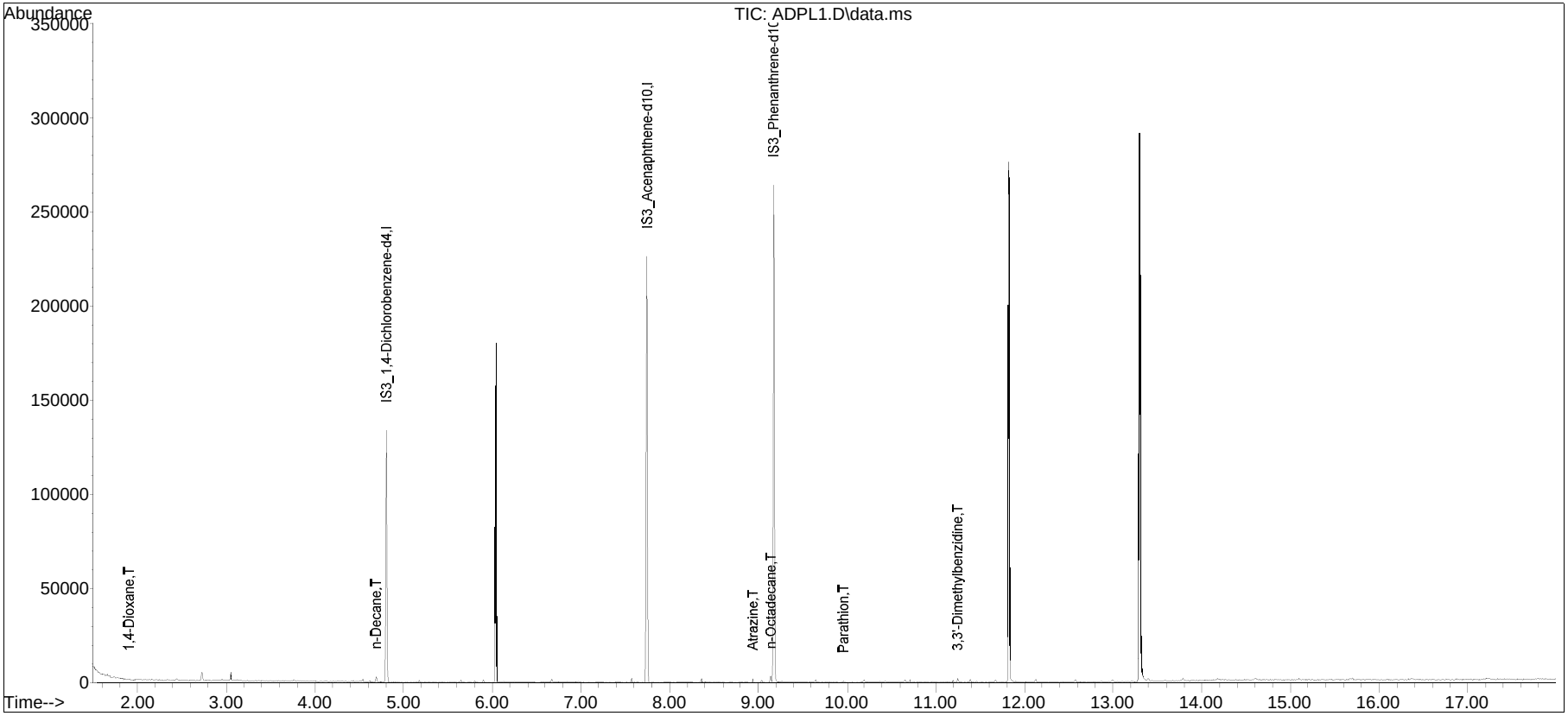
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

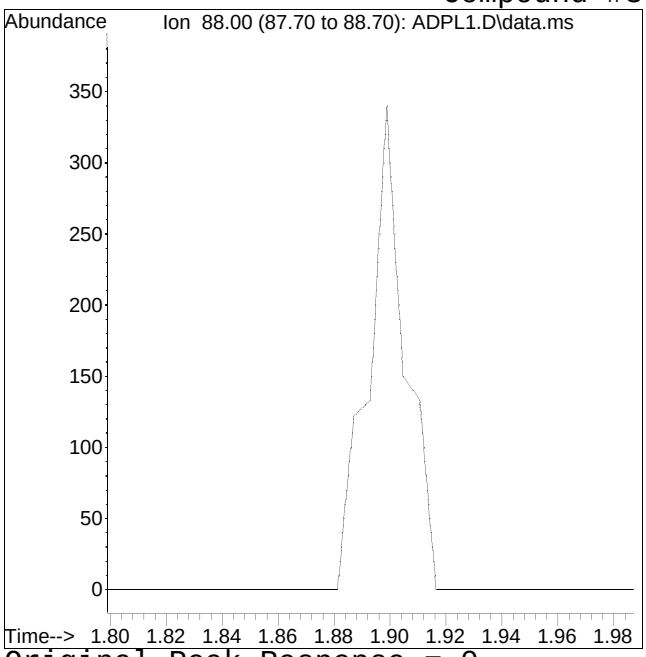
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



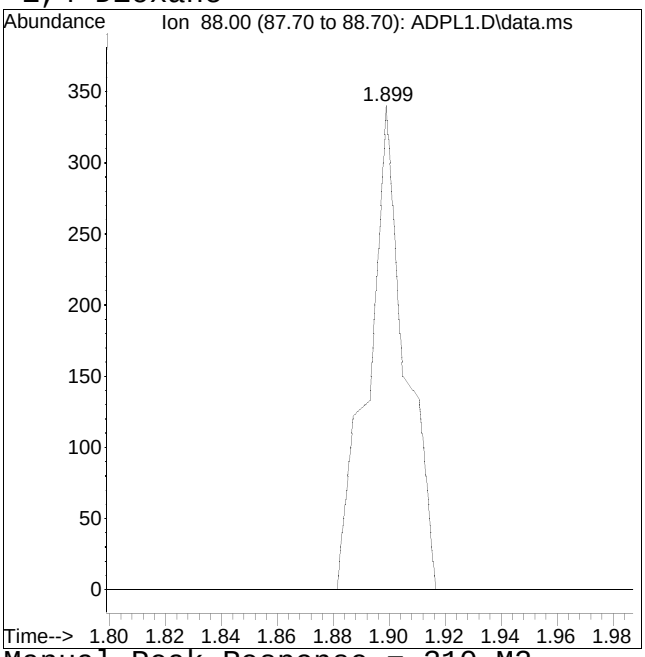
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



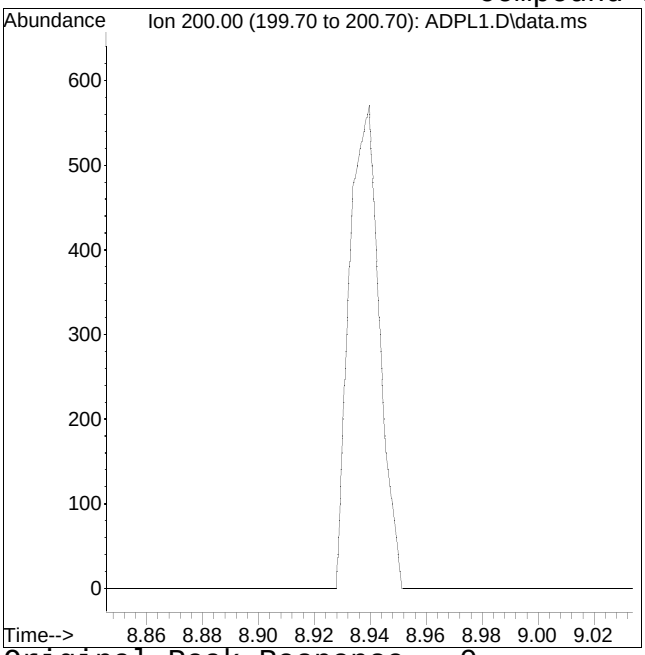
Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

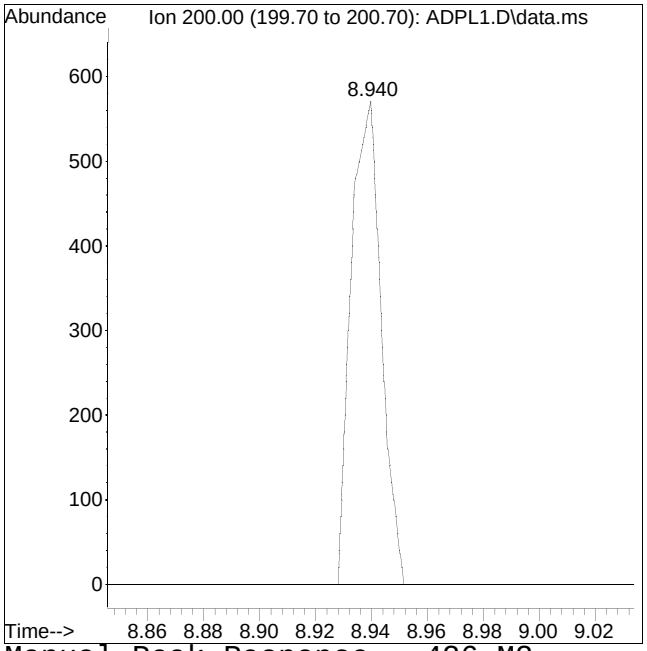
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #87: Atrazine



Original Peak Response = 0



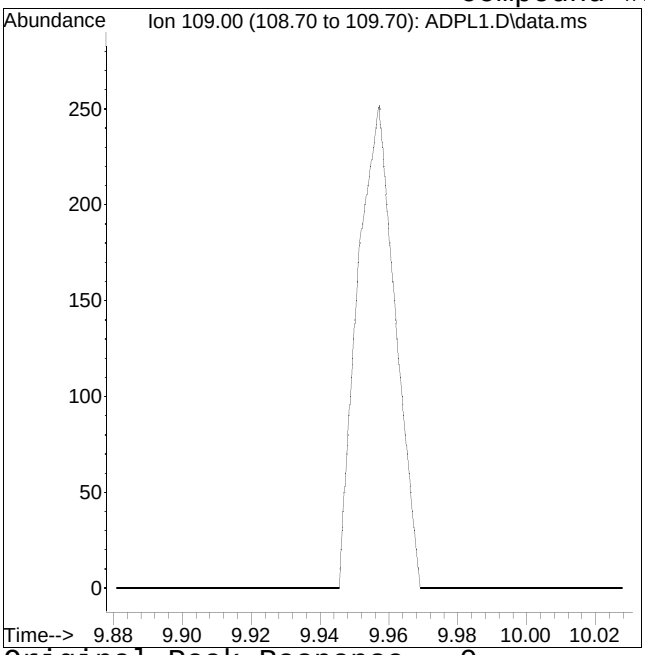
Manual Peak Response = 426 M2

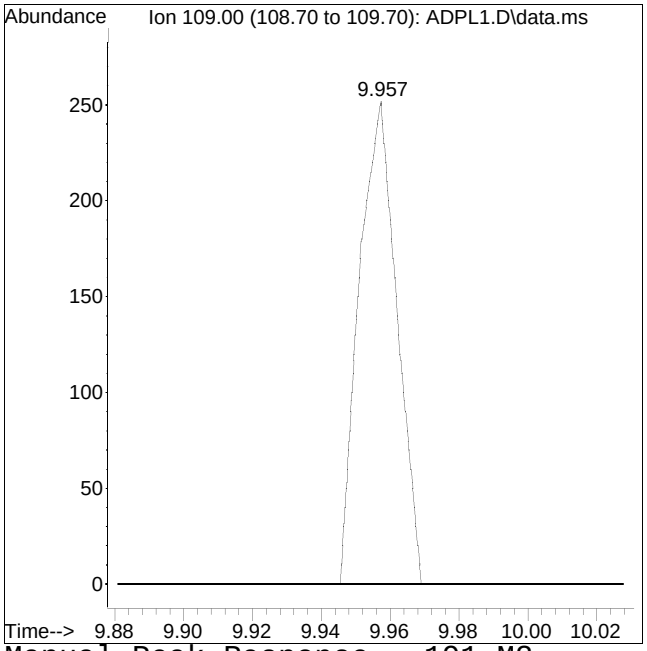
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion





Original Peak Response = 0 Manual Peak Response = 191 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	93	0.00
33	T	1,4-Dioxane		0.470	0.437	7.0	98	0.00
34	T	n-Decane		1.145	1.147	-0.2	101	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	100	0.00
87	T	Atrazine		0.441	0.385	12.7	97	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	101	0.00
101	T	n-Octadecane		0.315	0.303	3.8	109	0.00
102	T	Parathion	*	5.000	3.993	20.1#	96	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.947	21.1#	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	18786	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 93.05%			
86) IS3_Acenaphthene-d10	7.746	164	45310	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 100.49%			
100) IS3_Phenanthrene-d10	9.175	188	108986	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 100.97%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10259	4.643	ug/ml#	89
34) n-Decane	4.687	57	26927	5.005	ug/ml	94
87) Atrazine	8.940	200	21793	4.360	ug/ml	98
101) n-Octadecane	9.146	57	41233	4.809	ug/ml	94
102) Parathion	9.957	109	9588	3.993	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.251	212	84313	3.947	ug/ml	98

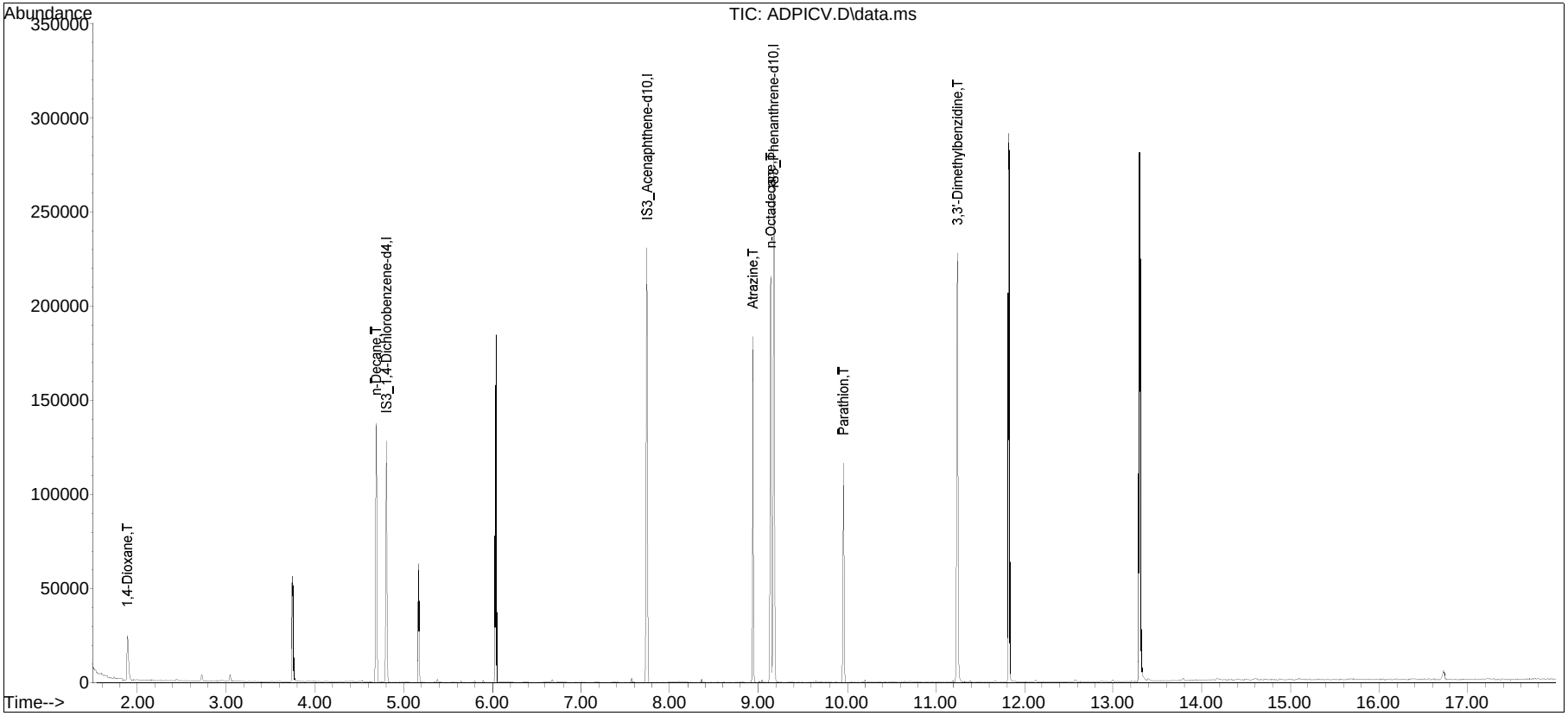
(#) = qualifier out of range (m) = manual integration (+) = signals summed

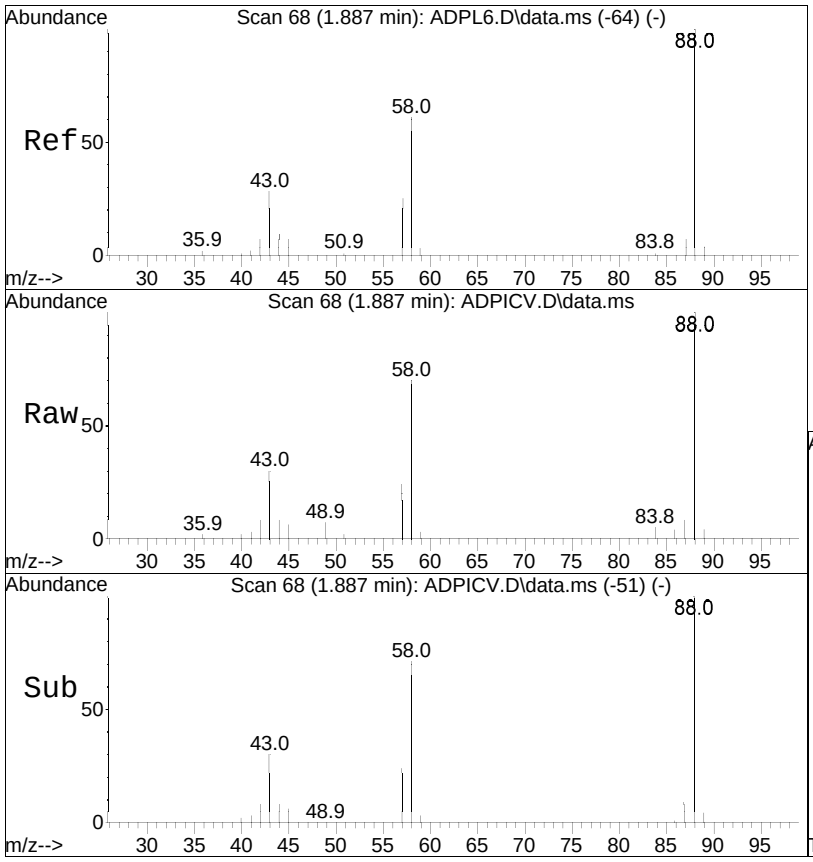
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

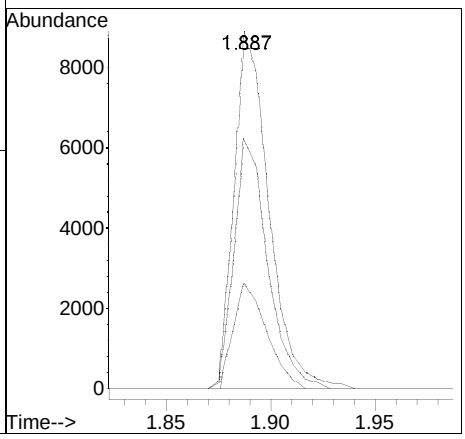


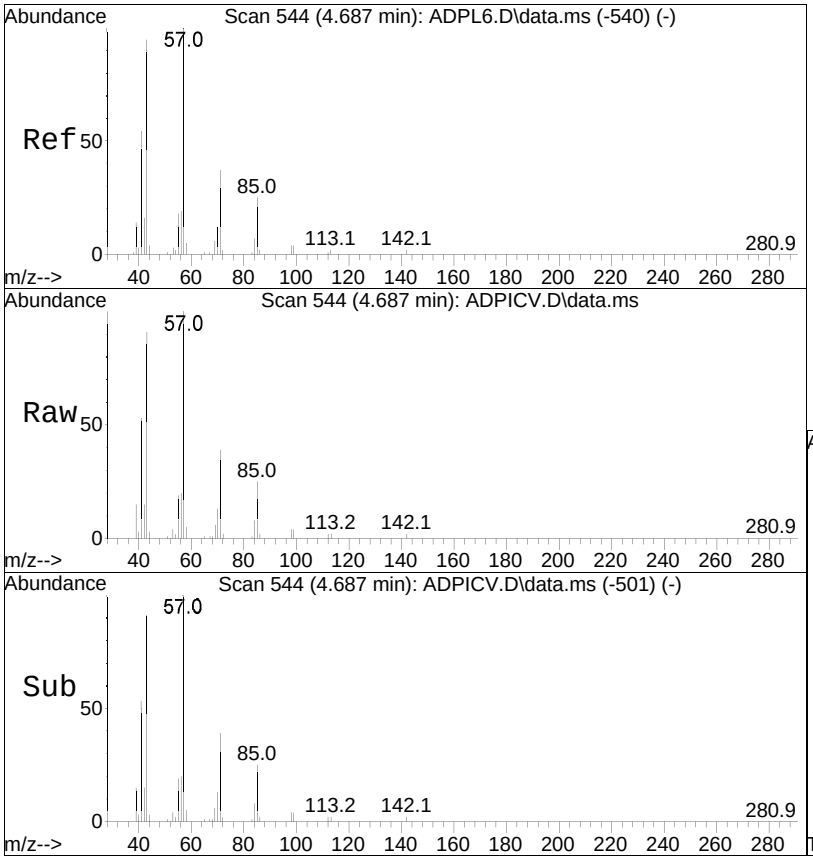


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.887 min Scan# 68
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 88 Resp: 10259

Ion	Ratio	Lower	Upper
88	100		
58	67.6	44.8	67.2#
43	28.3	22.4	33.6

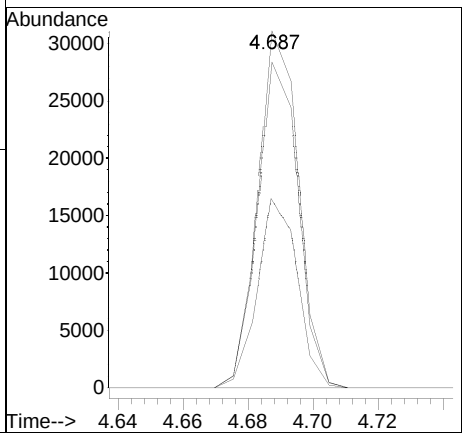


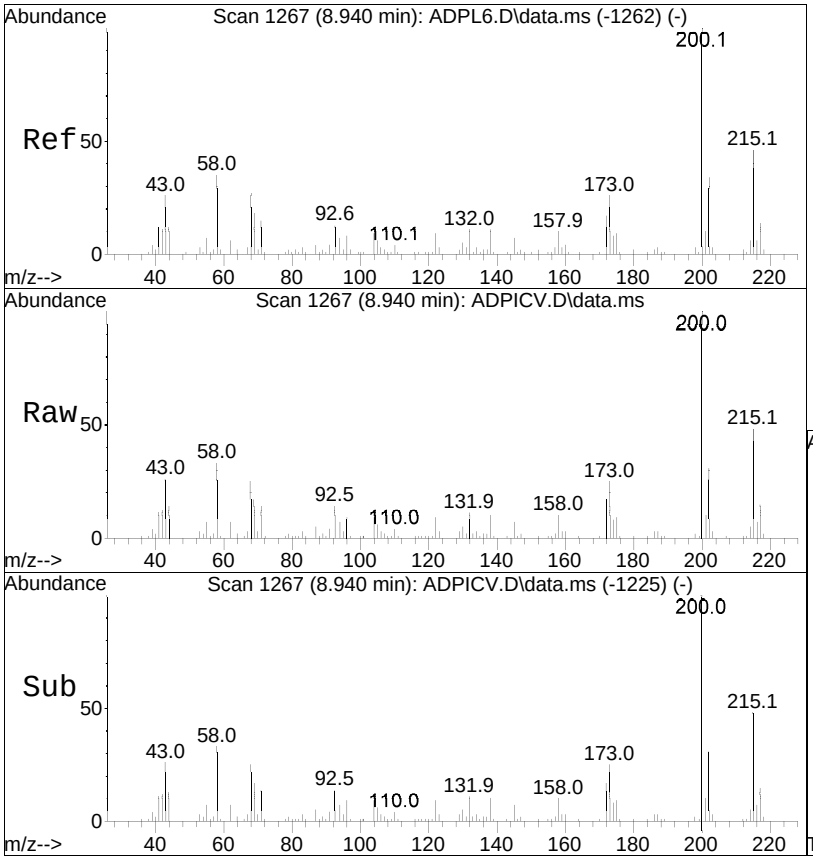


#34
n-Decane
Concen: 5.01 ug/ml
RT: 4.687 min Scan# 544
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 26927

Ion	Ratio	Lower	Upper
57	100		
43	91.4	75.4	113.2
41	52.1	35.0	52.6

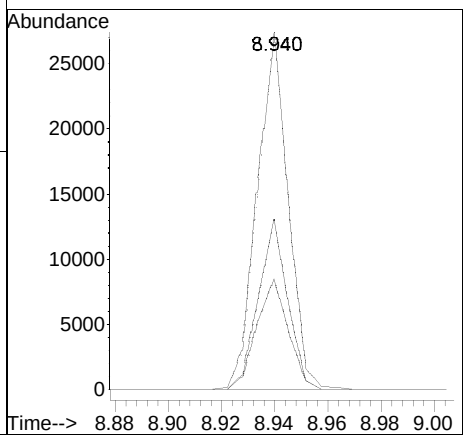


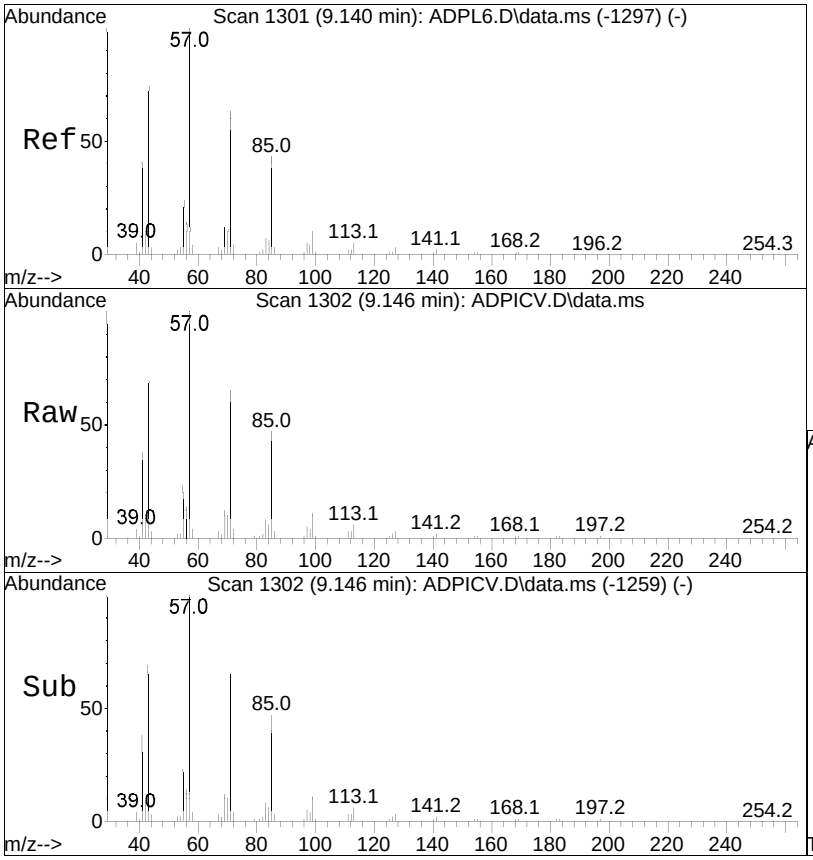


#87
Atrazine
Concen: 4.36 ug/ml
RT: 8.940 min Scan# 1267
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:200 Resp: 21793

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.0	37.6
215	45.2	34.5	51.7

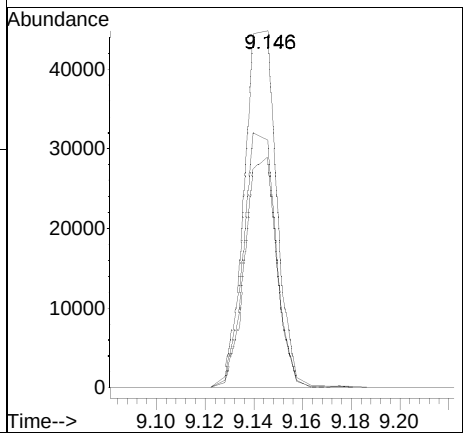


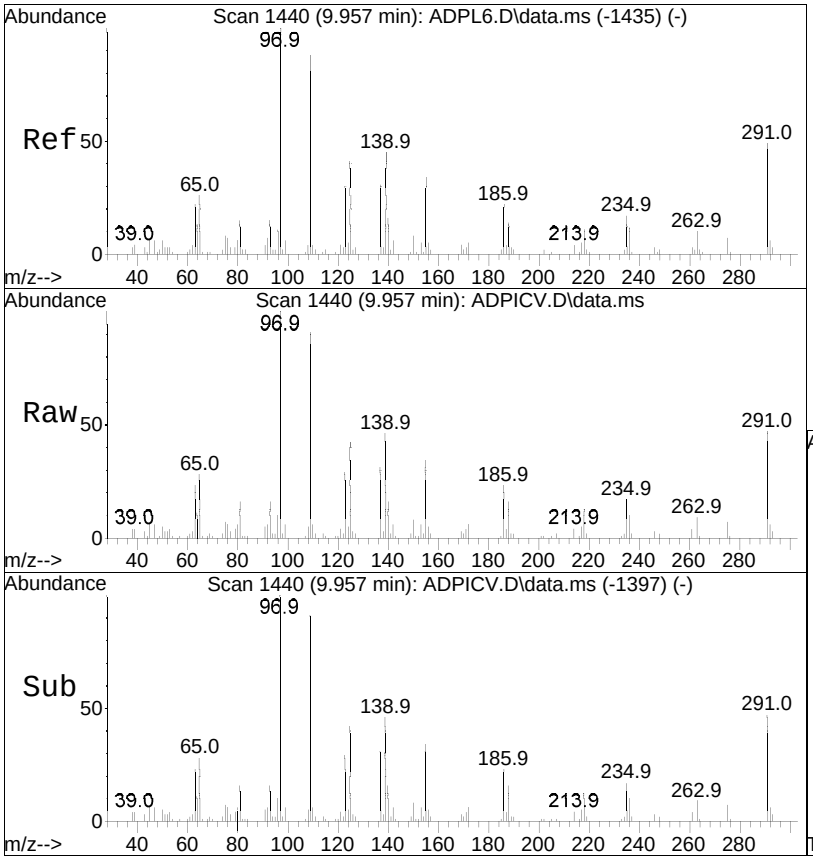


#101
n-Octadecane
Concen: 4.81 ug/ml
RT: 9.146 min Scan# 1302
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 41233

Ion	Ratio	Lower	Upper
57	100		
43	70.9	54.3	81.5
71	62.9	45.1	67.7

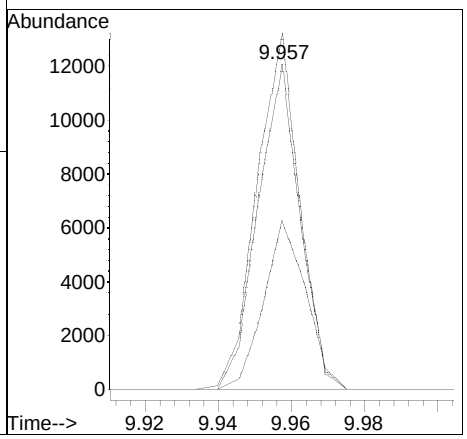


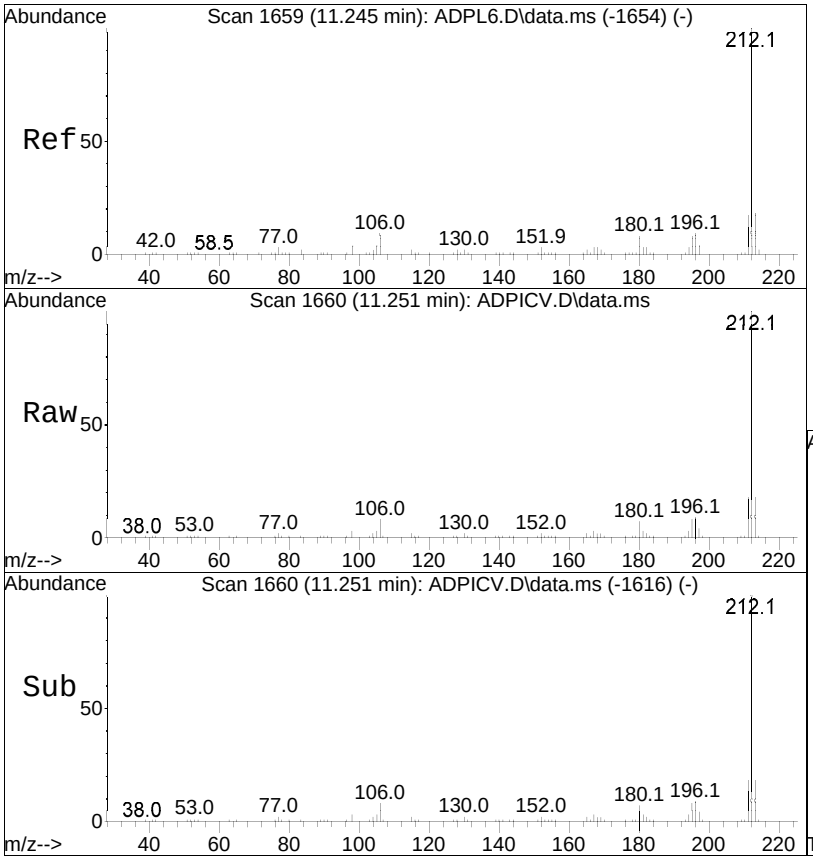


#102
Parathion
Concen: 3.99 ug/ml
RT: 9.957 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:109 Resp: 9588

Ion	Ratio	Lower	Upper
109	100		
97	111.2	85.4	128.2
291	52.4	25.4	38.2#

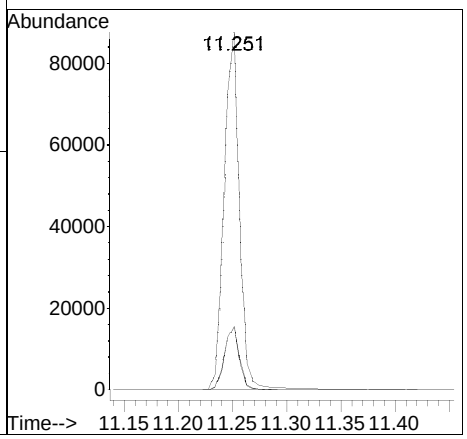




#103
3,3'-Dimethylbenzidine
Concen: 3.95 ug/ml
RT: 11.251 min Scan# 1660
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:212 Resp: 84313

Ion	Ratio	Lower	Upper
212	100		
211	17.1	13.3	19.9
213	17.7	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 7:54 am	Instrument	: SV112
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 7/1/2024 6:18 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Jun 30 14:25:57 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.612	-7.8	2.50	2.700	8.0
60	T Caprolactam	L	ug/ml	5.0	4.695	-6.1	1.00	1.156	15.6
66	T 2,4-Dinitrophenol	Q	ug/ml	5.0	4.592	-8.2	0.50	0.607	21.4
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.193	-16.1	0.25	0.319	27.6
84	T Dichloran	L	ug/ml	5.0	4.379	-12.4	1.00	1.239	23.9
102	T Parathion	Q	ug/ml	5.0	4.172	-16.6	0.25	0.269	7.6
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.295	-14.1	0.50	0.560	12.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999194	0.000000	0.256856	-0.0929314
60	T Caprolactam	Linear	0.998974	0.000000	0.182736	-0.0213123
66	T 2,4-Dinitrophenol	Quadratic	0.998454	0.002114	0.171832	-0.0162283
76	T 4,6-Dinitro-o-cresol	Linear	0.996627	0.000000	0.257628	-0.0149534
84	T Dichloran	Linear	0.996413	0.000000	0.264594	-0.0418721
102	T Parathion	Quadratic	0.998154	0.002810	0.0878995	-0.00258094
103	T 3,3'-Dimethylbenzidine	Linear	0.997070	0.000000	0.82599	-0.0414416

Response Factor Report SV107

Method Path : I:\8270\SV107\240730ical\
Method File : FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	ISTD										
2)	t	N-Nitrosodimethylamine		0.624	0.767	0.690	0.709	0.713	0.729	0.717	0.734	0.710	5.84
3)	t	Pyridine		0.926	1.093	1.046	1.076	1.192	1.133	1.066	1.160	1.086	7.50
4)	S	2-Fluorophenol		0.970	1.079	1.023	1.072	1.084	1.124	1.101	1.186	1.080	5.97
5)	T	Aniline	1.690	1.824	1.749	1.712	1.707	1.641	1.829	1.825	1.908	1.765	4.86
6)	t	2-Chlorophenol	1.239	1.274	1.314	1.229	1.265	1.234	1.342	1.348	1.403	1.294	4.70
7)	S	Phenol-d6	1.250	1.403	1.443	1.386	1.371	1.328	1.476	1.493	1.566	1.413	6.68
8)	T	Phenol	1.525	1.651	1.602	1.506	1.512	1.452	1.578	1.599	1.673	1.566	4.64
9)	T	bis(2-Chloroethyl)ether	1.334	1.365	1.296	1.197	1.159	1.116	1.235	1.237	1.286	1.247	6.54
10)	T	1,3-Dichlorobenzene	1.625	1.839	1.597	1.526	1.500	1.472	1.555	1.532	1.641	1.587	6.92
11)	T	1,4-Dichlorobenzene	1.579	1.873	1.614	1.563	1.500	1.477	1.582	1.559	1.648	1.599	7.19
12)	T	1,2-Dichlorobenzene	1.492	1.802	1.637	1.481	1.437	1.427	1.553	1.593	1.633	1.562	7.67
13)	t	Benzyl alcohol		1.029	0.984	0.896	0.916	0.918	1.069	1.114	1.151	1.010	9.59
14)	T	bis(2-chloroisopropyl)ether	1.584	1.788	1.653	1.540	1.515	1.455	1.649	1.664	1.708	1.617	6.39
15)	T	2-Methylphenol	1.065	1.097	1.101	1.073	1.068	1.000	1.180	1.237	1.316	1.126	8.82
16)	T	Hexachloroethane	0.435	0.657	0.567	0.540	0.552	0.543	0.572	0.585	0.614	0.563	10.79
17)	T	n-Nitrosodi-n-propylamine		0.866	0.827	0.804	0.812	0.775	0.906	0.938	0.969	0.862	8.07
18)	T	3-Methylphenol/4-Methylphenol		1.280	1.234	1.157	1.179	1.090	1.278	1.325	1.386	1.241	7.76
19)	S	Nitrobenzene-d5	1.421	1.399	1.344	1.288	1.277	1.240	1.407	1.446	1.486	1.368	6.17
20)	T	Nitrobenzene	1.242	1.327	1.317	1.249	1.250	1.204	1.386	1.403	1.431	1.312	6.17
21)	T	Isophorone	2.288	2.249	2.253	2.150	2.273	2.121	2.526	2.581	2.652	2.344	8.22
22)	T	2-Nitrophenol				0.529	0.596	0.594	0.725	0.760	0.795	0.667	16.11
23)	T	2,4-Dimethylphenol		1.085	1.078	1.118	1.086	0.664	1.133	1.188	1.298	1.081	17.00
24)	T	bis(2-Chloroethoxy)methane	1.772	1.688	1.538	1.503	1.513	1.374	1.577	1.611	1.690	1.585	7.60
25)	T	2,4-Dichlorophenol		1.109	1.081	1.090	1.120	1.073	1.266	1.323	1.383	1.180	10.47
26)	T	1,2,4-Trichlorobenzene	1.386	1.596	1.469	1.329	1.303	1.245	1.387	1.425	1.504	1.405	7.69
27)	I	IS2_1,4-Dichlorobenzene-d4	ISTD										
28)	T	Benzaldehyde		1.113	1.135	1.132	1.078	1.101	1.175	1.198	1.223	1.145	4.37
29)	T	Acetophenone		1.955	1.982	2.026	1.901	1.937	2.098	2.153	2.202	2.032	5.35
30)	T	m-Toluidine	1.270	1.621	1.725	1.791	1.838	1.902	2.105	2.210	2.276	1.860	16.85
31)	T	2-Chloroaniline	1.465	1.578	1.717	1.763	1.706	1.767	1.913	1.985	2.060	1.773	10.69
32)	I	IS3_1,4-Dichlorobenzene-d4	ISTD										
33)		1,4-Dioxane		0.485	0.487	0.521	0.437	0.401	0.468	0.430	0.446	0.459	8.33
34)	T	n-Decane	1.305	1.364	1.381	1.475	1.372	1.263	1.425	1.402	1.509	1.388	5.54
35)	I	IS1_Naphthalene-d8	ISTD										
36)	T	Naphthalene	1.325	1.285	1.153	1.086	1.018	0.995	1.087	1.085	1.154	1.132	9.86
37)	T	Benzoic Acid					0.141	0.169	0.227	0.248	0.272	*L	0.9979
38)	T	4-Chloroaniline	0.106	0.129	0.120	0.127	0.121	0.121	0.134	0.135	0.144	0.126	8.66
39)	T	Hexachlorobutadiene	0.207	0.271	0.226	0.212	0.213	0.205	0.221	0.224	0.235	0.224	8.96
40)	T	p-Chloro-m-cresol	0.217	0.276	0.271	0.272	0.274	0.258	0.315	0.319	0.345	0.283	13.43
41)	T	2-Methylnaphthalene	0.825	0.784	0.716	0.702	0.687	0.656	0.736	0.735	0.793	0.737	7.41
42)	T	1-Methylnaphthalene	0.212	0.276	0.236	0.226	0.224	0.218	0.244	0.245	0.263	0.238	8.97
43)	T	Hexachlorocyclopentadiene	0.164	0.216	0.205	0.204	0.199	0.198	0.231	0.234	0.255	0.212	12.42
44)	T	2,4,6-Trichlorophenol	0.167	0.222	0.209	0.227	0.233	0.219	0.264	0.272	0.294	0.234	16.11
45)	T	2,4,5-Trichlorophenol	0.170	0.235	0.231	0.239	0.244	0.237	0.283	0.291	0.307	0.249	16.38

Response Factor Report SV107

Method Path : I:\8270\SV107\240730ical\
Method File : FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	0.972	1.060	0.884	0.851	0.817	0.767	0.890	0.897	0.961	0.900	9.79
47)	T	2-Chloronaphthalene	0.858	0.850	0.745	0.729	0.711	0.650	0.756	0.760	0.808	0.763	8.75
48)	T	2-Nitroaniline			0.155	0.170	0.193	0.181	0.236	0.238	0.255	0.204	18.91
49)	T	1,4-Dinitrobenzene					0.097	0.089	0.118	0.120	0.125	0.110	14.44
50)	T	1,3-Dinitrobenzene					0.111	0.105	0.137	0.141	0.151	0.129	15.31
51)	T	Dimethyl phthalate		0.935	0.868	0.833	0.836	0.737	0.885	0.878	0.930	0.863	7.31
52)	T	Acenaphthylene	1.141	1.182	1.070	1.063	1.061	0.984	1.192	1.209	1.291	1.132	8.41
53)	T	2,6-Dinitrotoluene			0.137	0.157	0.164	0.153	0.189	0.184	0.198	0.169	12.99
54)	T	1,2-Dinitrobenzene			0.060	0.068	0.075	0.068	0.087	0.087	0.093	0.077	16.17
55)	I	IS2_Naphthalene-d8	ISTD										
56)	T	a-Terpineol	0.187	0.279	0.269	0.280	0.281	0.305	0.337	0.359	0.373	0.297	18.90
57)	T	3-Chloroaniline		0.137	0.151	0.150	0.156	0.165	0.179	0.179	0.185	0.163	10.60
58)	T	2,6-Dichlorophenol	0.202	0.277	0.299	0.308	0.315	0.332	0.361	0.382	0.400	0.319	18.62
59)	T	1-chloro-2-nitrobenzene		0.128	0.136	0.147	0.151	0.154	0.169	0.175	0.180	0.155	12.00
60)	T	Caprolactam				0.105	0.134	0.151	0.183	0.191	0.191	*L	0.9988
61)	T	1,2,4,5-Tetrachlorobenzene	0.443	0.435	0.442	0.429	0.427	0.425	0.455	0.457	0.484	0.444	4.24
62)	T	Biphenyl	0.952	1.044	1.044	0.993	0.991	0.977	1.060	1.113	1.147	1.036	6.22
63)	I	IS1_Acenaphthene-d10	ISTD										
64)	T	3-Nitroaniline			0.278	0.303	0.313	0.311	0.336	0.339	0.360	0.320	8.44
65)	T	Acenaphthene	1.218	1.273	1.188	1.104	1.021	1.022	1.083	1.136	1.198	1.138	7.76
66)	T	2,4-Dinitrophenol				0.084	0.124	0.134	0.193	0.218	0.230	*L	0.9940
67)	T	Dibenzofuran	2.280	2.138	1.895	1.802	1.687	1.641	1.747	1.808	1.913	1.879	11.15
68)	T	2,4-Dinitrotoluene			0.337	0.351	0.395	0.373	0.438	0.470	0.495	0.408	14.87
69)	T	4-Nitrophenol				0.222	0.245	0.239	0.261	0.271	0.281	0.253	8.58
70)	T	2,3,5,6-Tetrachlorophenol	0.197	0.299	0.336	0.333	0.348	0.338	0.389	0.402	0.427	0.341	19.68
71)	T	2,3,4,6-Tetrachlorophenol	0.201	0.266	0.308	0.324	0.340	0.333	0.371	0.378	0.408	0.325	19.20
72)	T	Diethyl phthalate	1.375	1.432	1.374	1.252	1.250	1.154	1.322	1.361	1.423	1.327	6.91
73)	T	Fluorene	1.456	1.525	1.451	1.329	1.295	1.256	1.361	1.426	1.539	1.404	7.11
74)	T	4-Chlorophenyl-phenylether	0.799	0.814	0.735	0.664	0.651	0.629	0.678	0.702	0.744	0.713	9.10
75)	T	4-Nitroaniline			0.278	0.300	0.318	0.301	0.355	0.340	0.350	0.320	8.98
76)	T	4,6-Dinitro-o-cresol			0.109	0.136	0.186	0.185	0.252	0.271	0.287	*L	0.9939
77)	T	NDPA/DPA	1.043	1.225	1.234	1.127	1.112	1.057	1.178	1.219	1.297	1.166	7.40
78)	T	Azobenzene	1.162	1.290	1.300	1.178	1.204	1.129	1.249	1.232	1.294	1.226	5.08
79)	S	2,4,6-Tribromophenol			0.171	0.159	0.175	0.170	0.190	0.214	0.232	0.187	14.31
80)	T	4-Bromophenyl-phenylether	0.405	0.392	0.386	0.370	0.371	0.341	0.385	0.390	0.423	0.385	6.04
81)	T	Hexachlorobenzene		0.437	0.445	0.420	0.394	0.381	0.415	0.437	0.469	0.425	6.62
82)	T	Pentachlorophenol				0.192	0.240	0.234	0.298	0.327	0.345	*L	0.9960
83)	I	IS2_Acenaphthene-d10	ISTD										
84)	T	Dichloran				0.122	0.142	0.164	0.212	0.248	0.253	*L	0.9948
85)	T	Pentachloronitrobenzene				0.133	0.159	0.166	0.199	0.221	0.225	*L	0.9975
86)	I	IS3_Acenaphthene-d10	ISTD										
87)	T	Atrazine		0.249	0.284	0.293	0.307	0.315	0.369	0.386		0.315	15.27
88)	I	IS1_Phenanthrene-d10	ISTD										
89)	T	Phenanthrene	1.312	1.332	1.162	1.089	1.016	1.017	1.107	1.132	1.194	1.151	9.86
90)	T	Anthracene	1.105	1.151	1.050	1.039	0.991	0.991	1.111	1.140	1.222	1.089	7.11

Response Factor Report SV107

Method Path : I:\8270\SV107\240730ical\
Method File : FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

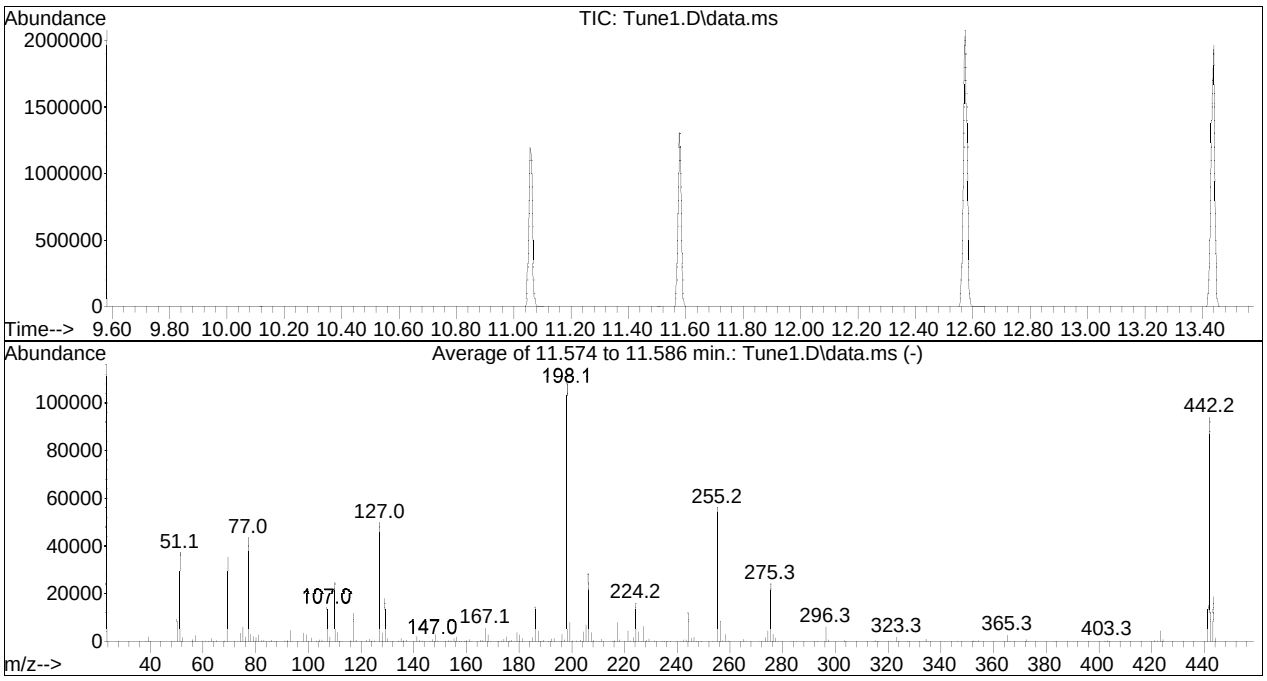
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
91)	T	Carbazole	0.904	0.969	0.974	0.960	0.930	0.920	1.062	1.071	1.153	0.994	8.41	
92)	T	Di-n-butylphthalate			0.916	0.932	0.979	0.945	1.199	1.313	1.375	1.094	17.94	
93)	T	Fluoranthene	1.268	1.306	1.223	1.157	1.181	1.138	1.279	1.384	1.415	1.261	7.68	
94)	T	Benzidine				0.535	0.618	0.533	0.763	0.778	0.895		*L	0.9908
95)	T	Pyrene	1.429	1.455	1.354	1.285	1.270	1.229	1.363	1.456	1.505	1.372	6.99	
96)	S	4-Terphenyl-d14	0.939	0.964	0.947	0.910	0.888	0.825	0.923	1.043	1.074	0.946	8.01	
97)	T	Butyl benzyl phthalate			0.318	0.342	0.401	0.384	0.557	0.620	0.652		*L	0.9907
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid			0.398	0.403	0.444	0.484	0.554	0.623	0.639	0.507	19.79	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.286	0.314	0.366	0.378	0.385	0.375	0.422	0.435	0.471	0.381	15.10	
102)	T	Parathion			0.053	0.053	0.056	0.066	0.091	0.109	0.134		*Q	0.9983
103)	T	3,3'-Dimethylbenzidine				0.377	0.480	0.541	0.757	0.800	0.926		*L	0.9909
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.617	1.570	1.439	1.357	1.331	1.335	1.472	1.474	1.485	1.453	6.91	
106)	T	3,3'-Dichlorobenzidine		0.323	0.338	0.374	0.418	0.422	0.521	0.547	0.554		*L	0.9961
107)	T	Chrysene		1.739	1.499	1.395	1.295	1.286	1.337	1.326	1.350	1.403	10.81	
108)	T	bis(2-Ethylhexyl)phthalate		0.527	0.534	0.564	0.662	0.667	0.862	0.884	0.905		*Q	0.9973
109)	T	Di-n-octylphthalate			0.742	0.786	0.999	1.008	1.405	1.499	1.568		*L	0.9935
110)	T	Benzo(b)fluoranthene	1.184	1.338	1.252	1.212	1.197	1.198	1.244	1.304	1.334	1.251	4.80	
111)	T	Benzo(k)fluoranthene	1.077	1.225	1.303	1.168	1.262	1.274	1.320	1.352	1.281	1.251	6.75	
112)	T	Benzo(a)pyrene	0.929	1.038	1.086	1.053	1.096	1.109	1.188	1.196	1.211	1.101	8.19	
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene		1.038	1.025	0.971	1.020	1.069	1.195	1.207	1.259	1.098	9.69	
115)	T	Dibenzo[a,h]anthracene	0.861	1.013	1.025	1.013	1.012	1.043	1.125	1.166	1.242	1.056	10.39	
116)	T	Benzo(g,h,i)perylene	0.957	1.101	0.996	0.983	0.996	1.024	1.039	0.894	0.806	0.977	8.78	

(#) = Out of Range

Data Path : I:\8270\SV107\240730ical\
Data File : Tune1.D
Acq On : 30 Jul 2024 7:00 pm
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024



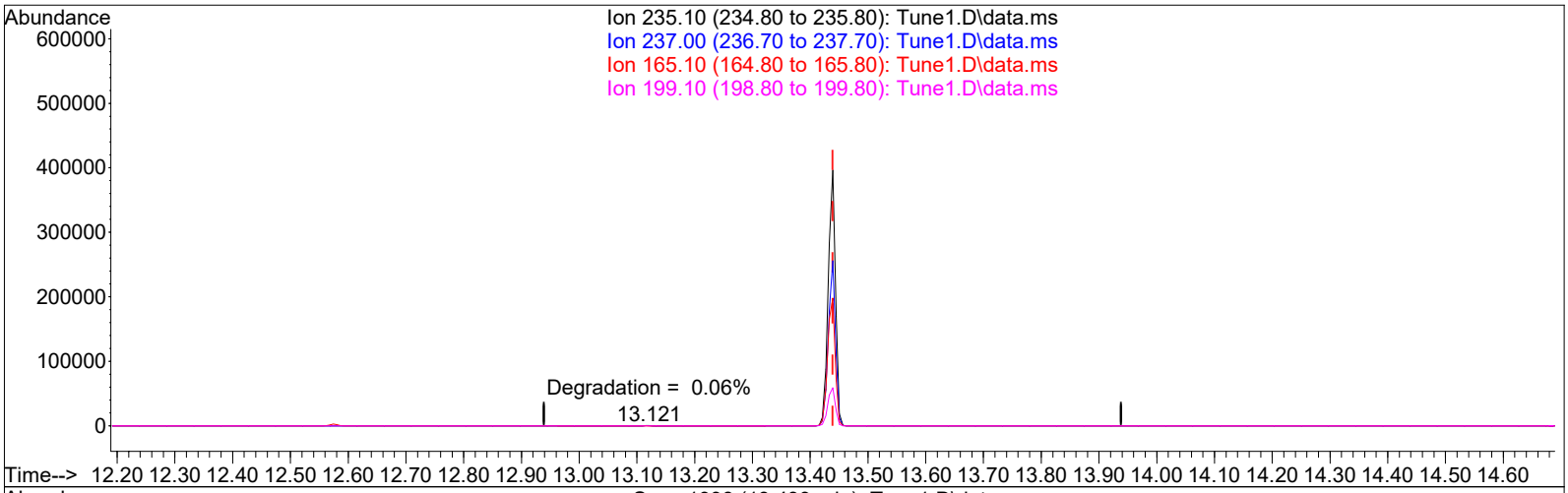
Spectrum Information: Average of 11.574 to 11.586 min.

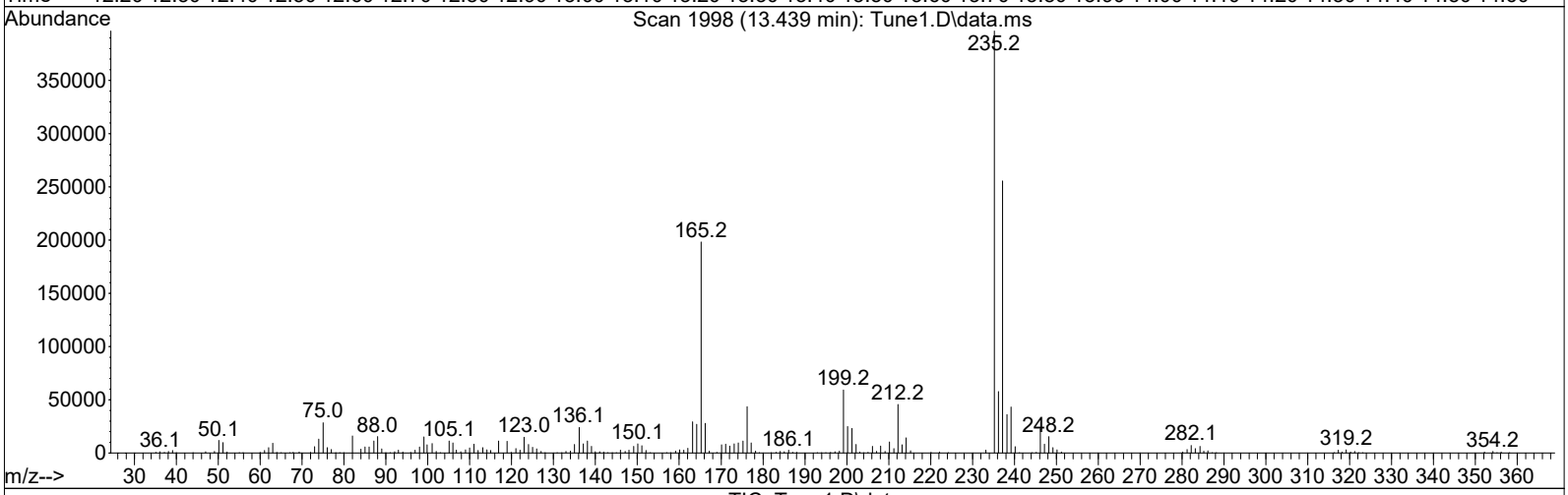
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	37098	PASS
68	69	0.00	2	1.6	558	PASS
69	69	100	100	100.0	35288	PASS
70	69	0.00	2	0.5	167	PASS
127	198	10	80	45.1	49856	PASS
197	198	0.00	2	0.8	853	PASS
198	198	100	100	100.0	110600	PASS
199	198	5	9	6.8	7510	PASS
275	198	10	60	21.7	24031	PASS
365	198	1	100	2.4	2656	PASS
441	442	0.01	24	16.2	15239	PASS
442	198	50	100	85.0	94016	PASS
443	442	15	24	19.9	18667	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune1.D
Acq On : 30 Jul 2024 7:00 pm
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:18:24 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(6) DDT (T)

13.439min (-0.000) 56.19

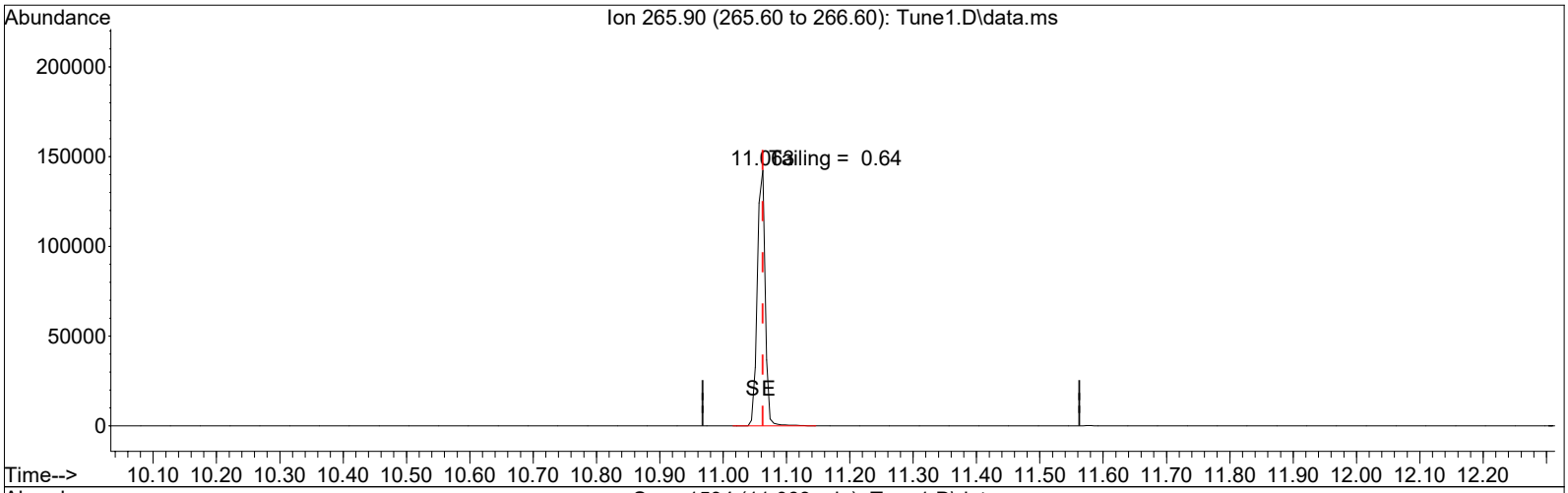
response 342548

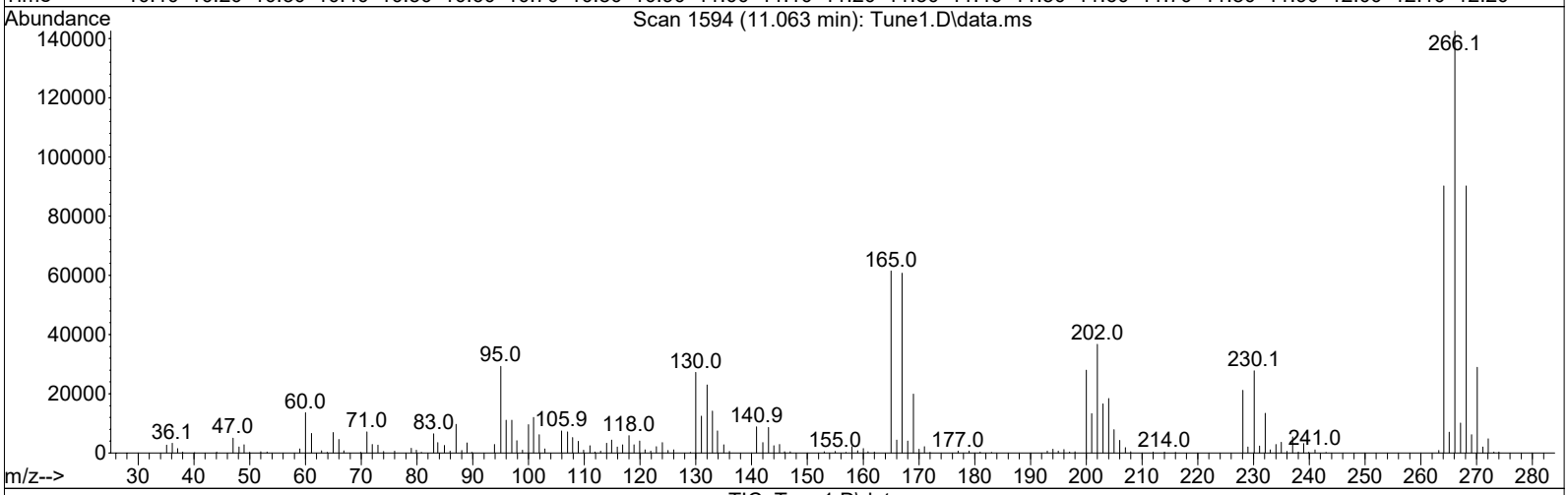
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.85
165.10	55.40	52.22
199.10	16.20	15.55

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune1.D
Acq On : 30 Jul 2024 7:00 pm
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:18:24 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(1) Pentachlorophenol (T)

11.063min (-0.000) 58.37

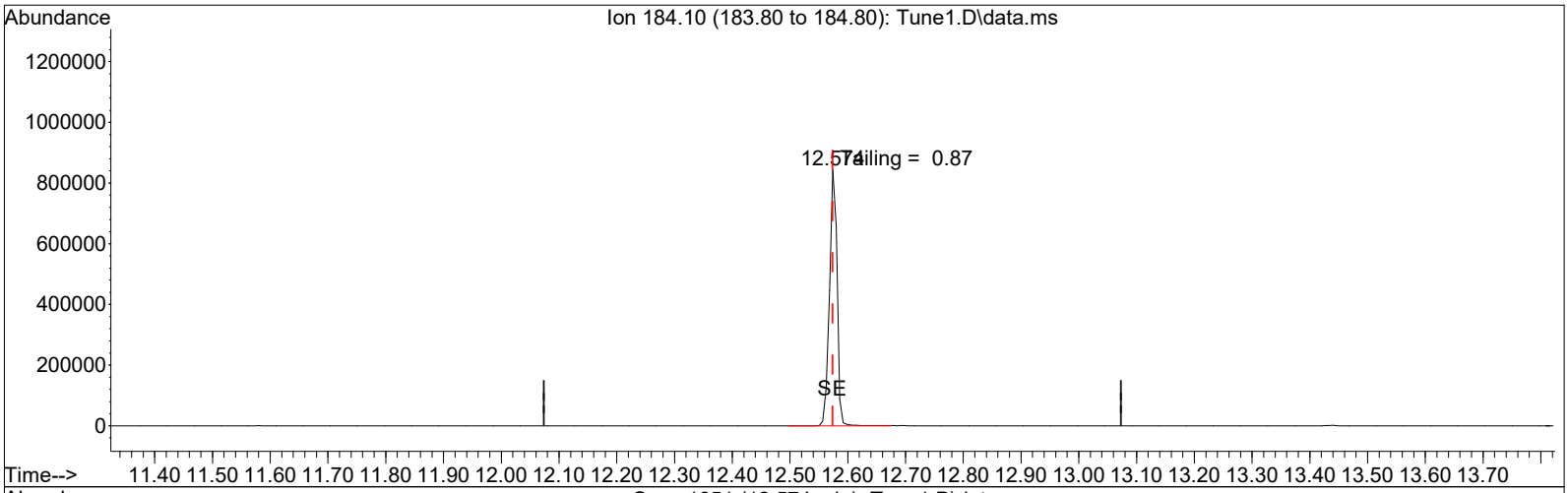
response 122608

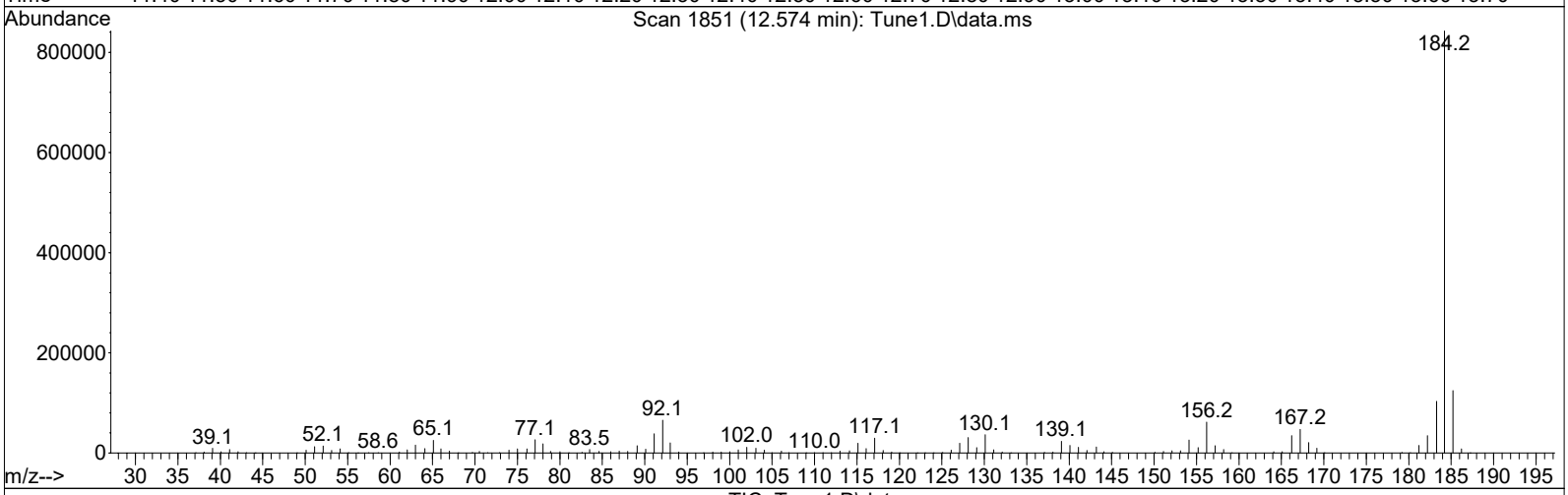
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune1.D
Acq On : 30 Jul 2024 7:00 pm
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:18:24 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(3) Benzidine (T)

12.574min (+ 0.000) 76.48

response 778554

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL9.D
Acq On : 30 Jul 2024 7:25 pm
Operator : SV107:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1954578,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 17:12:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:14:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.610	152	16045	4.000 ug/ml	# 0.00
Standard Area 1 = 14527			Recovery =	110.45%	
35) IS1_Naphthalene-d8	8.022	136	61910	4.000 ug/ml	0.00
Standard Area 1 = 53319			Recovery =	116.11%	
63) IS1_Acenaphthene-d10	9.786	164	38867	4.000 ug/ml	0.00
Standard Area 1 = 30073			Recovery =	129.24%	
88) IS1_Phenanthrene-d10	11.227	188	73059	4.000 ug/ml	0.00
Standard Area 1 = 55264			Recovery =	132.20%	
104) IS1_Chrysene-d12	13.904	240	78651	4.000 ug/ml	0.01
Standard Area 1 = 49010			Recovery =	160.48%	
113) IS1_Perylene-d12	15.392	264	72583	4.000 ug/ml	0.01
Standard Area 1 = 53266			Recovery =	136.27%	
System Monitoring Compounds					
4) 2-Fluorophenol	4.804	112	237948	57.208 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2860.40%#	
7) Phenol-d6	6.251	99	314156	55.429 ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery =	2771.45%#	
19) Nitrobenzene-d5	7.263	82	298102	54.339 ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	5433.90%#	
46) 2-Fluorobiphenyl	9.139	172	743491	53.378 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5337.80%#	
79) 2,4,6-Tribromophenol	10.563	330	112883	65.309 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	3265.45%#	
96) 4-Terphenyl-d14	12.827	244	980576	56.767 ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery =	5676.70%#	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.363	74	147283	54.431 ug/ml#	62
3) Pyridine	2.404	79	232654	53.387 ug/ml#	60
5) Aniline	6.216	93	382674	54.051 ug/ml	97
6) 2-Chlorophenol	6.357	128	281414	54.204 ug/ml	92
8) Phenol	6.263	94	335463	53.390 ug/ml	95
9) Bis(2-chloroethyl)ether	6.339	93	257966	51.559 ug/ml#	81
10) 1,3-Dichlorobenzene	6.539	146	329094	51.682 ug/ml	98
11) 1,4-Dichlorobenzene	6.633	146	330535	51.518 ug/ml	98
12) 1,2-Dichlorobenzene	6.810	146	327433	52.270 ug/ml	97
13) Benzyl alcohol	6.816	79	230792	57.841 ug/ml	94
14) Bis(2-chloroisopropyl)...	6.981	45	342530	52.799 ug/ml#	39

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL9.D
Acq On : 30 Jul 2024 7:25 pm
Operator : SV107:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1954578,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 17:12:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:14:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.975	108	264022	58.432	ug/ml	99
16) Hexachloroethane	7.192	117	123234	54.593	ug/ml#	62
17) n-Nitrosodi-n-propylamine	7.139	70	194368	56.211	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.163	108	278074	57.217	ug/ml	99
20) Nitrobenzene	7.281	77	286915	54.521	ug/ml	95
21) Isophorone	7.563	82	531940	56.581	ug/ml	99
22) 2-Nitrophenol	7.633	139	159441	59.637	ug/ml	88
23) 2,4-Dimethylphenol	7.728	107	260353	61.887	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.822	93	338934	53.313	ug/ml	97
25) 2,4-Dichlorophenol	7.898	162	277310	60.841	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.975	180	301659	53.527	ug/ml	97
36) Naphthalene	8.045	128	893303	50.989	ug/ml	98
37) Benzoic Acid	7.922	105	210740M1	64.388	ug/ml	
38) 4-Chloroaniline	8.122	65	111123	56.808	ug/ml	80
39) Hexachlorobutadiene	8.204	225	181992	52.541	ug/ml	98
40) p-Chloro-m-cresol	8.645	107	267107	61.009	ug/ml	97
41) 2-Methylnaphthalene	8.757	142	614009	53.810	ug/ml	96
42) 1-Methylnaphthalene	8.857	115	203769	55.272	ug/ml	98
43) Hexachlorocyclopentadiene	8.933	237	197610	60.321	ug/ml	98
44) 2,4,6-Trichlorophenol	9.051	196	227153	62.703	ug/ml	98
45) 2,4,5-Trichlorophenol	9.080	196	237583	61.729	ug/ml	99
47) 2-Chloronaphthalene	9.239	162	625337	52.953	ug/ml	96
48) 2-Nitroaniline	9.351	138	197223	62.435	ug/ml#	82
49) 1,4-Dinitrobenzene	9.486	168	97080	57.100	ug/ml#	72
50) 1,3-Dinitrobenzene	9.569	168	116834	58.506	ug/ml#	1
51) Dimethyl phthalate	9.563	163	719384	53.885	ug/ml#	98
52) Acenaphthylene	9.645	152	998765	56.981	ug/ml	98
53) 2,6-Dinitrotoluene	9.604	165	152938	58.530	ug/ml#	77
54) 1,2-Dinitrobenzene	9.651	168	72152	60.776	ug/ml#	1
64) 3-Nitroaniline	9.763	138	174782	56.208	ug/ml#	86
65) Acenaphthene	9.822	154	582107	52.642	ug/ml	91
66) 2,4-Dinitrophenol	9.863	184	111618	70.170	ug/ml#	86
67) Dibenzofuran	9.992	168	929611	50.915	ug/ml	97
68) 2,4-Dinitrotoluene	9.992	165	240681	60.652	ug/ml	86
69) 4-Nitrophenol	9.945	65	136287	55.426	ug/ml#	82
70) 2,3,5,6-Tetrachlorophenol	10.074	232	207462	62.599	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	10.122	232	198060	62.660	ug/ml	98
72) Diethyl phthalate	10.257	149	691153	53.602	ug/ml	97
73) Fluorene	10.327	166	747810	54.806	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.339	204	361615	52.202	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL9.D
Acq On : 30 Jul 2024 7:25 pm
Operator : SV107:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1954578,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 17:12:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:14:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.369	138	169829M6	54.591	ug/ml	
76)	4,6-Dinitro-o-cresol	10.392	198	139383	70.400	ug/ml#	64
77)	NDPA/DPA	10.457	169	629961	55.615	ug/ml	96
78)	Azobenzene	10.492	77	628779	52.763	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.810	248	205714	55.003	ug/ml#	86
81)	Hexachlorobenzene	10.869	284	227617	55.156	ug/ml#	87
82)	Pentachlorophenol	11.057	266	167777	63.331	ug/ml	99
89)	Phenanthrene	11.257	178	1090077	51.840	ug/ml	97
90)	Anthracene	11.304	178	1116004	56.112	ug/ml	96
91)	Carbazole	11.474	167	1053361	58.044	ug/ml	97
92)	Di-n-butylphthalate	11.851	149	1255979	62.853	ug/ml	97
93)	Fluoranthene	12.421	202	1291897	56.091	ug/ml#	92
94)	Benzidine	12.568	184	817502	65.143	ug/ml#	94
95)	Pyrene	12.639	202	1374440	54.855	ug/ml	97
97)	Butyl benzyl phthalate	13.351	149	595332	69.703	ug/ml	87
105)	Benzo(a)anthracene	13.898	228	1460115	51.090	ug/ml	96
106)	3,3'-Dichlorobenzidine	13.892	252	544467	63.353	ug/ml#	97
107)	Chrysene	13.939	228	1327191	48.097	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	13.992	149	889781	67.399	ug/ml#	96
109)	Di-n-octylphthalate	14.686	149	1541499	73.051	ug/ml#	69
110)	Benzo(b)fluoranthene	15.027	252	1311083	53.281	ug/ml#	94
111)	Benzo(k)fluoranthene	15.056	252	1259485	51.187	ug/ml#	93
112)	Benzo(a)pyrene	15.345	252	1190571	55.009	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.439	276	1142335M6	57.335	ug/mL	
115)	Dibenzo(a,h)anthracene	16.462	278	1126694	58.821	ug/ml#	91
116)	Benzo(ghi)perylene	16.709	276	731173	41.227	ug/ml#	89

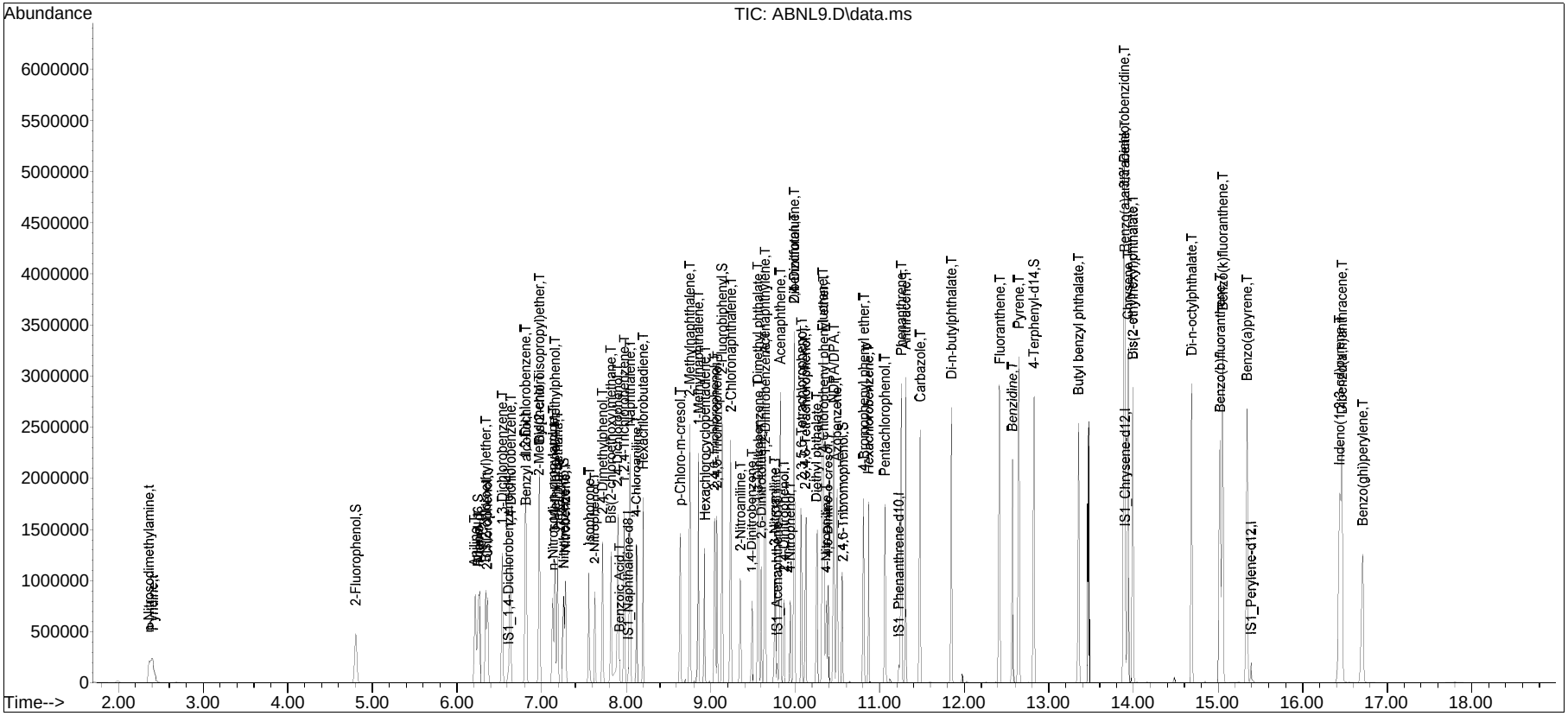
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL9.D
Acq On : 30 Jul 2024 7:25 pm
Operator : SV107:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1954578,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 31 17:12:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:14:00 2024
Response via : Initial Calibration

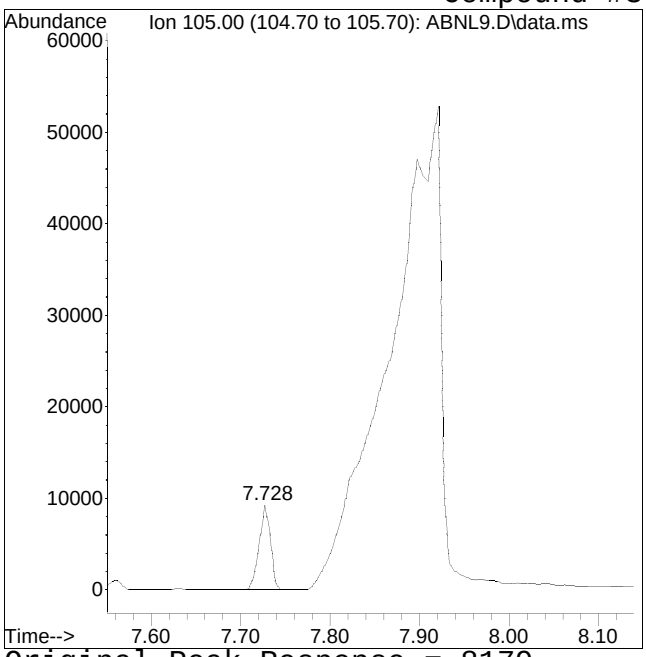
Sub List : ABNical - ABN ical sublistal\ABNL6.D•

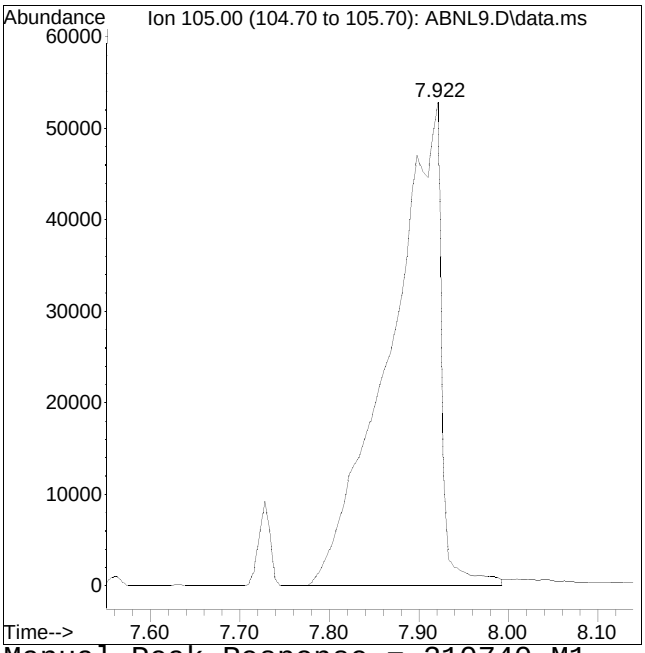


Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL9.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 7:25 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 7/31/2024 5:14 pm

Compound #37: Benzoic Acid



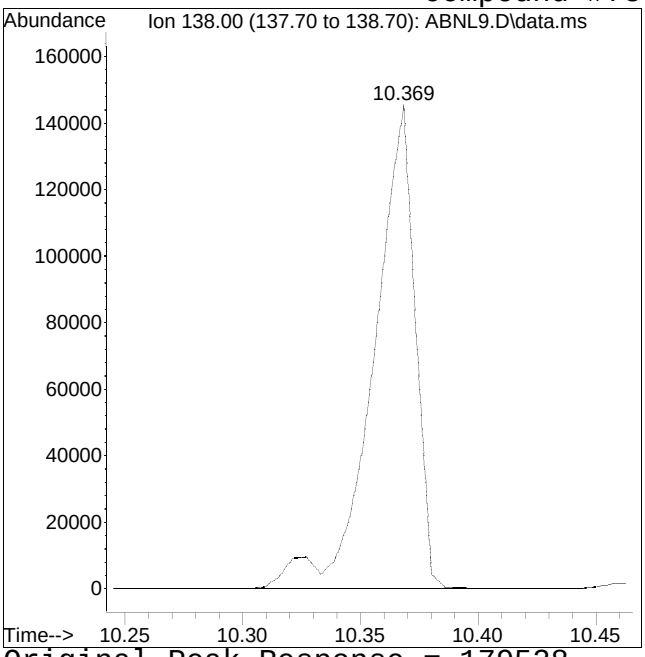


Original Peak Response = 8179 Manual Peak Response = 210740 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

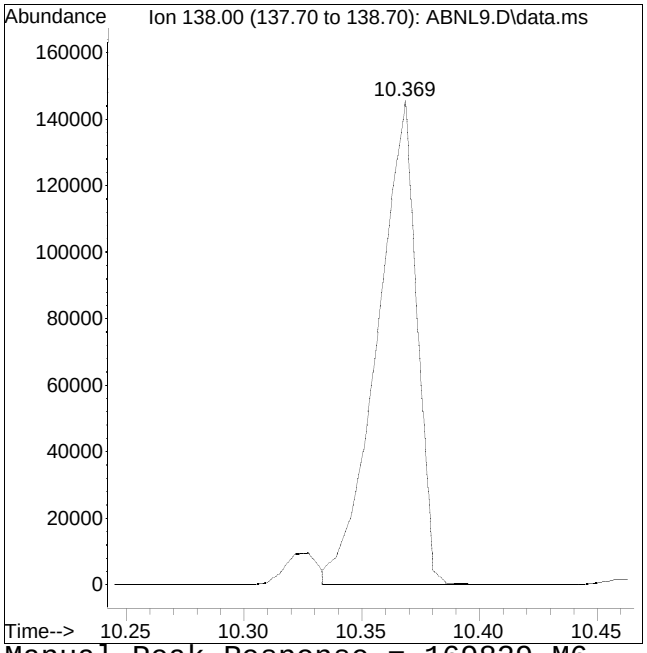
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL9.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 7:25 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 7/31/2024 5:14 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 179528



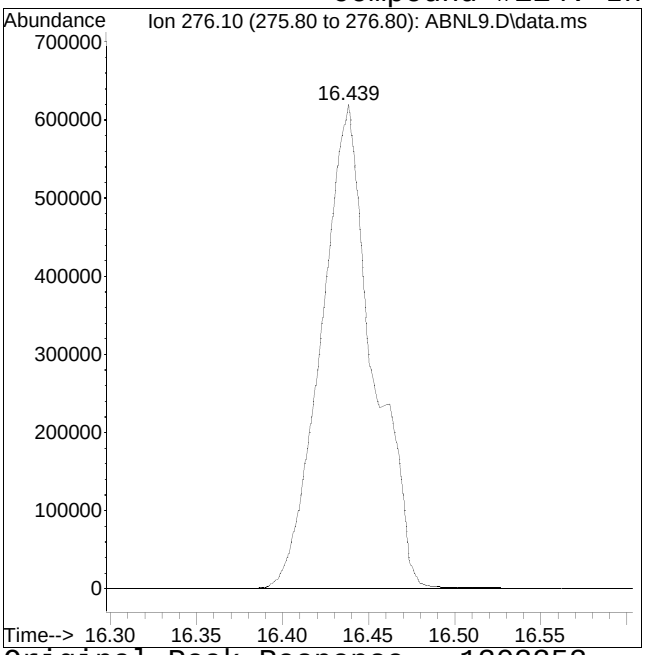
Manual Peak Response = 169829 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

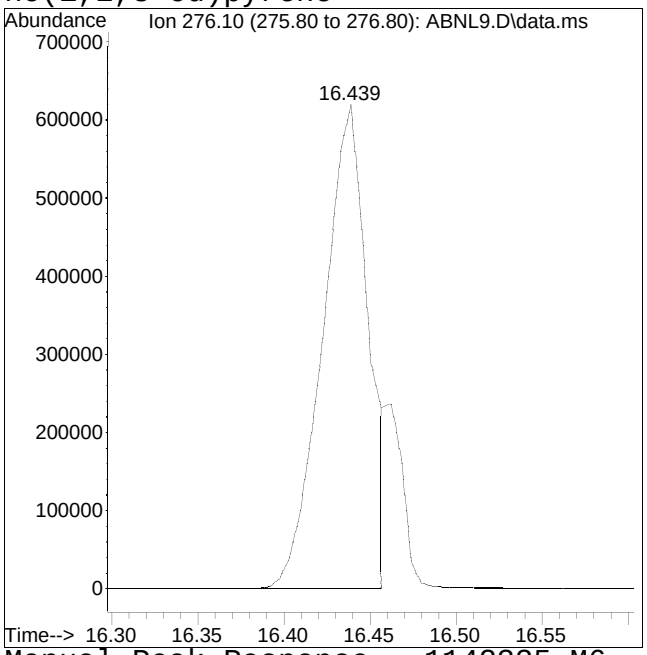
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL9.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 7:25 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 7/31/2024 5:14 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1303353



Manual Peak Response = 1142335 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL8.D
Acq On : 30 Jul 2024 7:51 pm
Operator : SV107:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1954578,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 17:12:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	19784	4.000	ug/ml	# 0.00
Standard Area 1 = 14527			Recovery = 136.19%			
35) IS1_Naphthalene-d8	8.022	136	78832	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery = 147.85%			
63) IS1_Acenaphthene-d10	9.780	164	48045	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery = 159.76%			
88) IS1_Phenanthrene-d10	11.227	188	91179	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery = 164.99%			
104) IS1_Chrysene-d12	13.904	240	97295	4.000	ug/ml	0.01
Standard Area 1 = 49010			Recovery = 198.52%			
113) IS1_Perylene-d12	15.392	264	95281	4.000	ug/ml	0.01
Standard Area 1 = 53266			Recovery = 178.88%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.804	112	136121	26.541	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 1327.05%#			
7) Phenol-d6	6.239	99	184647	26.422	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1321.10%#			
19) Nitrobenzene-d5	7.257	82	178841	26.439	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2643.90%#			
46) 2-Fluorobiphenyl	9.139	172	441921	24.916	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2491.60%#			
79) 2,4,6-Tribromophenol	10.557	330	64384	30.134	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1506.70%#			
96) 4-Terphenyl-d14	12.821	244	594298	27.567	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2756.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.363	74	88613	26.559	ug/ml#	63
3) Pyridine	2.398	79	131770	24.523	ug/ml#	62
5) Aniline	6.210	93	225613	25.844	ug/ml	99
6) 2-Chlorophenol	6.357	128	166693	26.039	ug/ml	92
8) Phenol	6.257	94	197699	25.518	ug/ml	94
9) Bis(2-chloroethyl)ether	6.334	93	152974	24.796	ug/ml#	81
10) 1,3-Dichlorobenzene	6.539	146	189412	24.124	ug/ml	98
11) 1,4-Dichlorobenzene	6.628	146	192748	24.365	ug/ml	98
12) 1,2-Dichlorobenzene	6.804	146	196936	25.497	ug/ml	97
13) Benzyl alcohol	6.810	79	137799	28.008	ug/ml	95
14) Bis(2-chloroisopropyl)...	6.981	45	205710	25.716	ug/ml#	41

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL8.D
Acq On : 30 Jul 2024 7:51 pm
Operator : SV107:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1954578,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 17:12:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.975	108	153007	27.463	ug/ml	99
16) Hexachloroethane	7.192	117	72340	25.990	ug/ml#	64
17) n-Nitrosodi-n-propylamine	7.133	70	115995	27.206	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.157	108	163888	27.349	ug/ml	99
20) Nitrobenzene	7.281	77	173465	26.733	ug/ml	96
21) Isophorone	7.551	82	319131	27.530	ug/ml	99
22) 2-Nitrophenol	7.628	139	93940	28.497	ug/ml	88
23) 2,4-Dimethylphenol	7.722	107	146941	28.327	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.816	93	199177	25.409	ug/ml	97
25) 2,4-Dichlorophenol	7.892	162	163550	29.101	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.975	180	176172	25.352	ug/ml	97
36) Naphthalene	8.039	128	534374	23.954	ug/ml	99
37) Benzoic Acid	7.886	105	122401	29.370	ug/ml	95
38) 4-Chloroaniline	8.122	65	66585	26.732	ug/ml	80
39) Hexachlorobutadiene	8.204	225	110207	24.987	ug/ml	98
40) p-Chloro-m-cresol	8.639	107	157012	28.164	ug/ml	98
41) 2-Methylnaphthalene	8.757	142	362380	24.941	ug/ml	96
42) 1-Methylnaphthalene	8.851	115	120562	25.682	ug/ml	98
43) Hexachlorocyclopentadiene	8.933	237	115101	27.593	ug/ml	99
44) 2,4,6-Trichlorophenol	9.051	196	133881	29.023	ug/ml	98
45) 2,4,5-Trichlorophenol	9.080	196	143516	29.284	ug/ml	98
47) 2-Chloronaphthalene	9.233	162	374512	24.906	ug/ml	96
48) 2-Nitroaniline	9.351	138	117363	29.179	ug/ml	83
49) 1,4-Dinitrobenzene	9.480	168	58978	27.243	ug/ml#	72
50) 1,3-Dinitrobenzene	9.557	168	69271	27.242	ug/ml#	1
51) Dimethyl phthalate	9.557	163	432355	25.434	ug/ml#	98
52) Acenaphthylene	9.639	152	595537	26.683	ug/ml	98
53) 2,6-Dinitrotoluene	9.598	165	90782	27.285	ug/ml#	79
54) 1,2-Dinitrobenzene	9.645	168	42678	28.232	ug/ml#	1
64) 3-Nitroaniline	9.757	138	101817	26.488	ug/ml#	87
65) Acenaphthene	9.816	154	341053	24.951	ug/ml	90
66) 2,4-Dinitrophenol	9.857	184	65469	33.295	ug/ml#	86
67) Dibenzofuran	9.986	168	542797	24.050	ug/ml	98
68) 2,4-Dinitrotoluene	9.986	165	141152	28.776	ug/ml	88
69) 4-Nitrophenol	9.939	65	81325	26.756	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	10.074	232	120693	29.461	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	10.116	232	113468	29.040	ug/ml	96
72) Diethyl phthalate	10.251	149	408769	25.646	ug/ml	97
73) Fluorene	10.322	166	428233	25.389	ug/ml	93
74) 4-Chlorophenyl phenyl ...	10.333	204	210921	24.632	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL8.D
Acq On : 30 Jul 2024 7:51 pm
Operator : SV107:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1954578,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 17:12:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.357	138	101955M6	26.512	ug/ml		
76)	4,6-Dinitro-o-cresol	10.386	198	81264	33.204	ug/ml	#	62
77)	NDPA/DPA	10.457	169	366085	26.145	ug/ml		96
78)	Azobenzene	10.486	77	369821	25.105	ug/ml	#	93
80)	4-Bromophenyl phenyl e...	10.810	248	117042	25.316	ug/ml	#	87
81)	Hexachlorobenzene	10.863	284	131268	25.732	ug/ml	#	87
82)	Pentachlorophenol	11.057	266	98147	29.970	ug/ml		99
89)	Phenanthrene	11.251	178	645037	24.579	ug/ml		98
90)	Anthracene	11.298	178	649926	26.184	ug/ml		97
91)	Carbazole	11.469	167	610333	26.948	ug/ml		97
92)	Di-n-butylphthalate	11.845	149	747962	29.992	ug/ml		98
93)	Fluoranthene	12.416	202	788455	27.430	ug/ml	#	92
94)	Benzidine	12.563	184	443517	28.318	ug/ml	#	94
95)	Pyrene	12.633	202	829814	26.537	ug/ml		97
97)	Butyl benzyl phthalate	13.351	149	353395	33.154	ug/ml		88
105)	Benzo(a)anthracene	13.892	228	896449	25.356	ug/ml		97
106)	3,3'-Dichlorobenzidine	13.886	252	332727	31.296	ug/ml	#	97
107)	Chrysene	13.933	228	806416	23.624	ug/ml		97
108)	Bis(2-ethylhexyl)phtha...	13.992	149	537372	32.905	ug/ml	#	95
109)	Di-n-octylphthalate	14.686	149	911366	34.913	ug/ml	#	70
110)	Benzo(b)fluoranthene	15.021	252	792685	26.041	ug/ml	#	94
111)	Benzo(k)fluoranthene	15.051	252	821903	27.002	ug/ml	#	93
112)	Benzo(a)pyrene	15.345	252	727415	27.169	ug/ml	#	93
114)	Indeno(1,2,3-cd)pyrene	16.433	276	718751M6	27.481	ug/mL		
115)	Dibenzo(a,h)anthracene	16.456	278	694234	27.610	ug/ml	#	91
116)	Benzo(ghi)perylene	16.709	276	532134	22.856	ug/ml	#	89

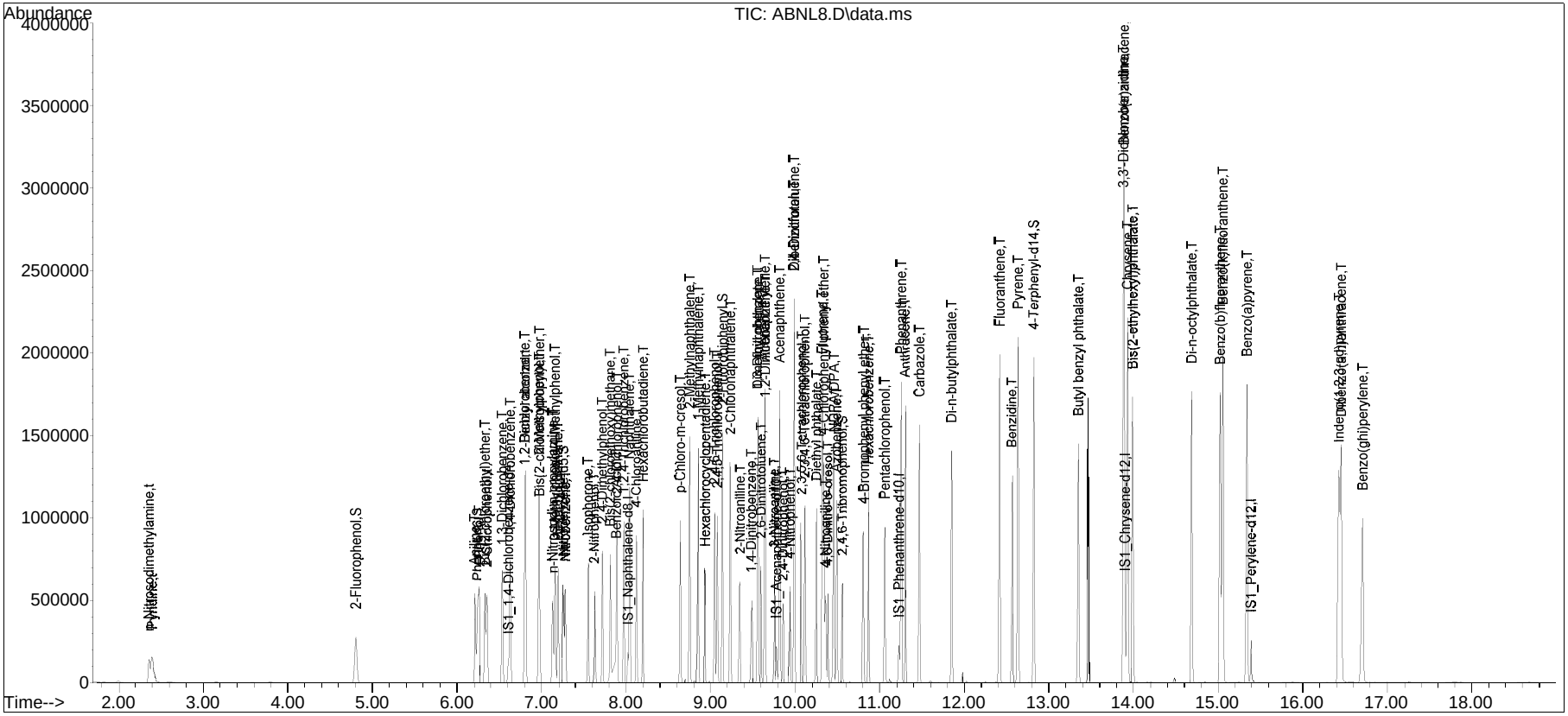
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL8.D
Acq On : 30 Jul 2024 7:51 pm
Operator : SV107:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1954578,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 31 17:12:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:52 2024
Response via : Initial Calibration

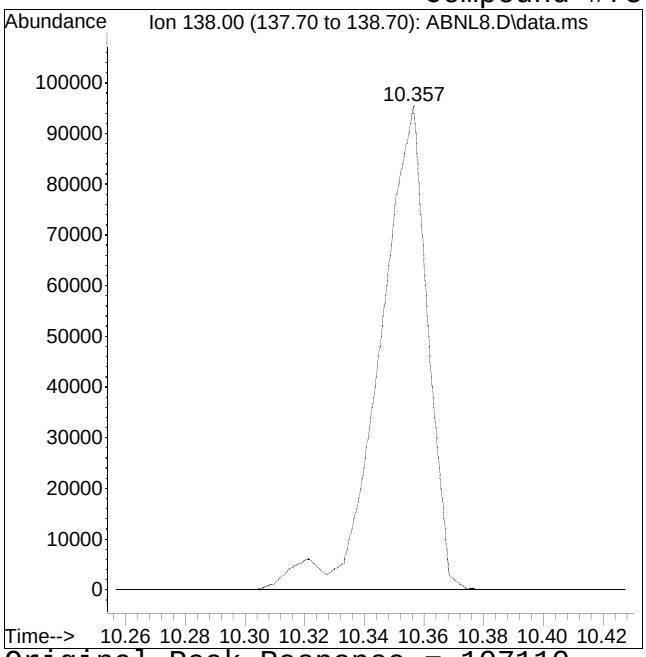
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



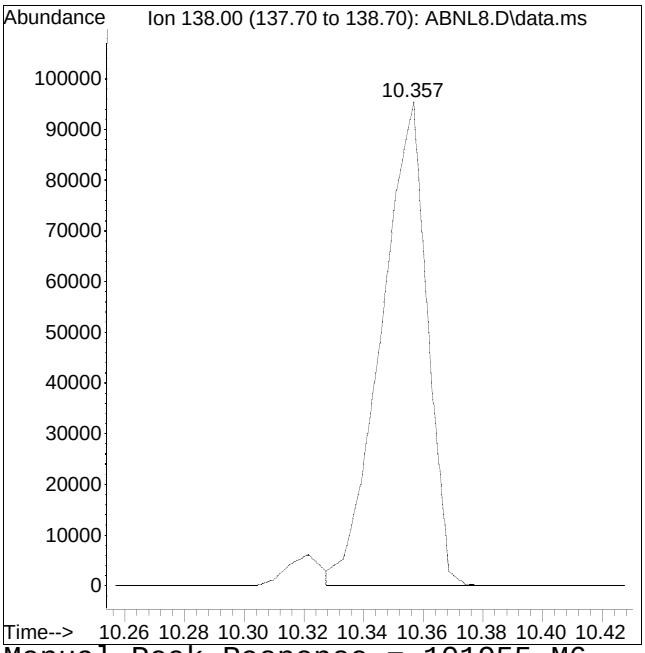
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL8.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 7:51 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 7/31/2024 5:13 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 107110



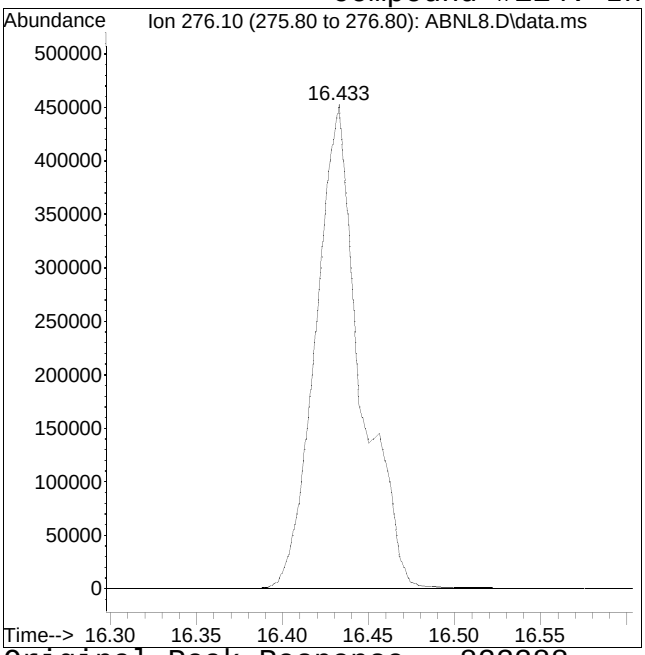
Manual Peak Response = 101955 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

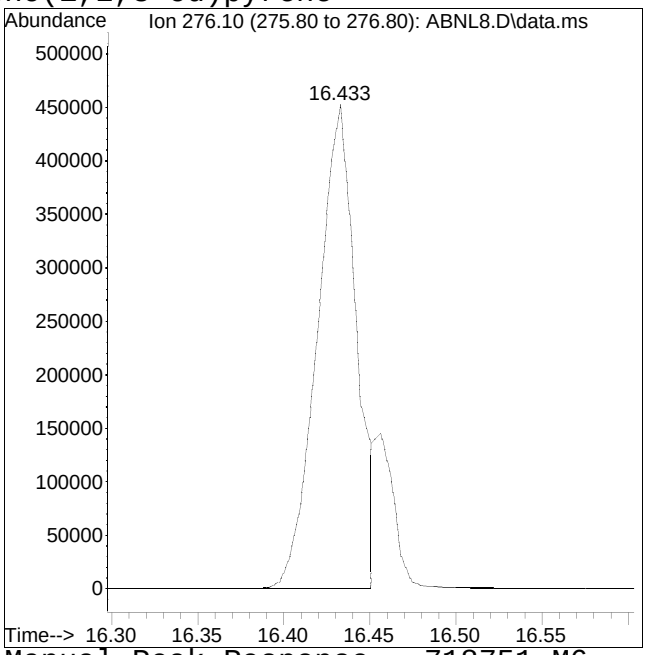
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL8.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 7:51 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 823388



Manual Peak Response = 718751 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL7.D
Acq On : 30 Jul 2024 8:16 pm
Operator : SV107:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1954578,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 31 17:12:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.610	152	17079	4.000 ug/ml	# 0.00
Standard Area 1 = 14527			Recovery = 117.57%		
35) IS1_Naphthalene-d8	8.016	136	65447	4.000 ug/ml	0.00
Standard Area 1 = 53319			Recovery = 122.75%		
63) IS1_Acenaphthene-d10	9.780	164	41564	4.000 ug/ml	0.00
Standard Area 1 = 30073			Recovery = 138.21%		
88) IS1_Phenanthrene-d10	11.221	188	78148	4.000 ug/ml	0.00
Standard Area 1 = 55264			Recovery = 141.41%		
104) IS1_Chrysene-d12	13.898	240	78446	4.000 ug/ml	0.00
Standard Area 1 = 49010			Recovery = 160.06%		
113) IS1_Perylene-d12	15.392	264	81164	4.000 ug/ml	0.01
Standard Area 1 = 53266			Recovery = 152.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.798	112	48013	10.844 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 542.20%#		
7) Phenol-d6	6.234	99	63013	10.445 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 522.25%#		
19) Nitrobenzene-d5	7.251	82	60064	10.286 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1028.60%#		
46) 2-Fluorobiphenyl	9.133	172	145700	9.895 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 989.50%#		
79) 2,4,6-Tribromophenol	10.551	330	19710	10.663 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 533.15%#		
96) 4-Terphenyl-d14	12.815	244	180269	9.756 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 975.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.357	74	31112	10.802 ug/ml#	64
3) Pyridine	2.393	79	48364	10.426 ug/ml#	61
5) Aniline	6.210	93	78083	10.361 ug/ml	98
6) 2-Chlorophenol	6.351	128	57310	10.370 ug/ml	92
8) Phenol	6.251	94	67379	10.074 ug/ml	96
9) Bis(2-chloroethyl)ether	6.328	93	52742	9.903 ug/ml#	81
10) 1,3-Dichlorobenzene	6.533	146	66401	9.797 ug/ml	97
11) 1,4-Dichlorobenzene	6.628	146	67545	9.890 ug/ml	98
12) 1,2-Dichlorobenzene	6.804	146	66309	9.945 ug/ml	98
13) Benzyl alcohol	6.810	79	45648	10.748 ug/ml	96
14) Bis(2-chloroisopropyl)...	6.981	45	70397	10.194 ug/ml#	42

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL7.D
Acq On : 30 Jul 2024 8:16 pm
Operator : SV107:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1954578,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 31 17:12:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	50400	10.479	ug/ml	99
16) Hexachloroethane	7.192	117	24406	10.157	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.128	70	38664	10.505	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.151	108	54554	10.546	ug/ml	99
20) Nitrobenzene	7.275	77	59169	10.563	ug/ml	97
21) Isophorone	7.551	82	107871	10.779	ug/ml	98
22) 2-Nitrophenol	7.628	139	30951	10.876	ug/ml	90
23) 2,4-Dimethylphenol	7.722	107	48366	10.801	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.816	93	67352	9.953	ug/ml	97
25) 2,4-Dichlorophenol	7.886	162	54059	11.142	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.969	180	59237	9.875	ug/ml	96
36) Naphthalene	8.039	128	177922	9.607	ug/ml	99
37) Benzoic Acid	7.839	105	37167	10.742	ug/ml	95
38) 4-Chloroaniline	8.116	65	21904	10.592	ug/ml	80
39) Hexachlorobutadiene	8.204	225	36176	9.880	ug/ml	99
40) p-Chloro-m-cresol	8.639	107	51507	11.129	ug/ml	99
41) 2-Methylnaphthalene	8.751	142	120356	9.978	ug/ml	96
42) 1-Methylnaphthalene	8.851	115	39976	10.257	ug/ml	98
43) Hexachlorocyclopentadiene	8.927	237	37722	10.892	ug/ml	98
44) 2,4,6-Trichlorophenol	9.051	196	43202	11.281	ug/ml	98
45) 2,4,5-Trichlorophenol	9.074	196	46303	11.380	ug/ml	99
47) 2-Chloronaphthalene	9.233	162	123644	9.904	ug/ml	96
48) 2-Nitroaniline	9.345	138	38601	11.560	ug/ml	85
49) 1,4-Dinitrobenzene	9.474	168	19336	10.758	ug/ml#	72
50) 1,3-Dinitrobenzene	9.551	168	22417	10.619	ug/ml#	1
51) Dimethyl phthalate	9.551	163	144779	10.259	ug/ml#	98
52) Acenaphthylene	9.639	152	194972	10.522	ug/ml	99
53) 2,6-Dinitrotoluene	9.592	165	30938	11.200	ug/ml#	80
54) 1,2-Dinitrobenzene	9.633	168	14209	11.322	ug/ml#	1
64) 3-Nitroaniline	9.751	138	34932	10.505	ug/ml#	87
65) Acenaphthene	9.810	154	112483	9.512	ug/ml	90
66) 2,4-Dinitrophenol	9.851	184	20027	11.773	ug/ml#	84
67) Dibenzofuran	9.980	168	181526	9.297	ug/ml	97
68) 2,4-Dinitrotoluene	9.980	165	45495	10.721	ug/ml	91
69) 4-Nitrophenol	9.933	65	27104	10.308	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.069	232	40433	11.408	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	10.116	232	38505	11.391	ug/ml	97
72) Diethyl phthalate	10.245	149	137349	9.961	ug/ml	98
73) Fluorene	10.316	166	141398	9.690	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.333	204	70427	9.507	ug/ml	89

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL7.D
Acq On : 30 Jul 2024 8:16 pm
Operator : SV107:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1954578,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 31 17:12:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.345	138	36866	11.081	ug/ml#	80
76)	4,6-Dinitro-o-cresol	10.374	198	26217	12.382	ug/ml#	62
77)	NDPA/DPA	10.451	169	122376	10.103	ug/ml	96
78)	Azobenzene	10.486	77	129734	10.180	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.804	248	40032	10.009	ug/ml#	87
81)	Hexachlorobenzene	10.857	284	43163	9.780	ug/ml#	87
82)	Pentachlorophenol	11.051	266	30986	10.937	ug/ml	99
89)	Phenanthrene	11.245	178	216259	9.615	ug/ml	99
90)	Anthracene	11.298	178	216964	10.198	ug/ml	98
91)	Carbazole	11.463	167	207428	10.686	ug/ml	99
92)	Di-n-butylphthalate	11.845	149	234157	10.955	ug/ml	98
93)	Fluoranthene	12.410	202	249904	10.144	ug/ml#	92
94)	Benzidine	12.563	184	149004	11.100	ug/ml#	94
95)	Pyrene	12.633	202	266304	9.936	ug/ml	99
97)	Butyl benzyl phthalate	13.345	149	108746	11.903	ug/ml	88
105)	Benzo(a)anthracene	13.886	228	288760	10.130	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.886	252	102161	11.918	ug/ml#	96
107)	Chrysene	13.927	228	262191	9.527	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.992	149	169049	12.839	ug/ml#	95
109)	Di-n-octylphthalate	14.686	149	275604	13.095	ug/ml#	70
110)	Benzo(b)fluoranthene	15.015	252	244018	9.943	ug/ml#	94
111)	Benzo(k)fluoranthene	15.045	252	258923	10.550	ug/ml#	93
112)	Benzo(a)pyrene	15.333	252	233064	10.797	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.421	276	242516M6	10.885	ug/mL	
115)	Dibenzo(a,h)anthracene	16.445	278	228322	10.660	ug/ml#	91
116)	Benzo(ghi)perylene	16.698	276	210909	10.635	ug/ml#	89

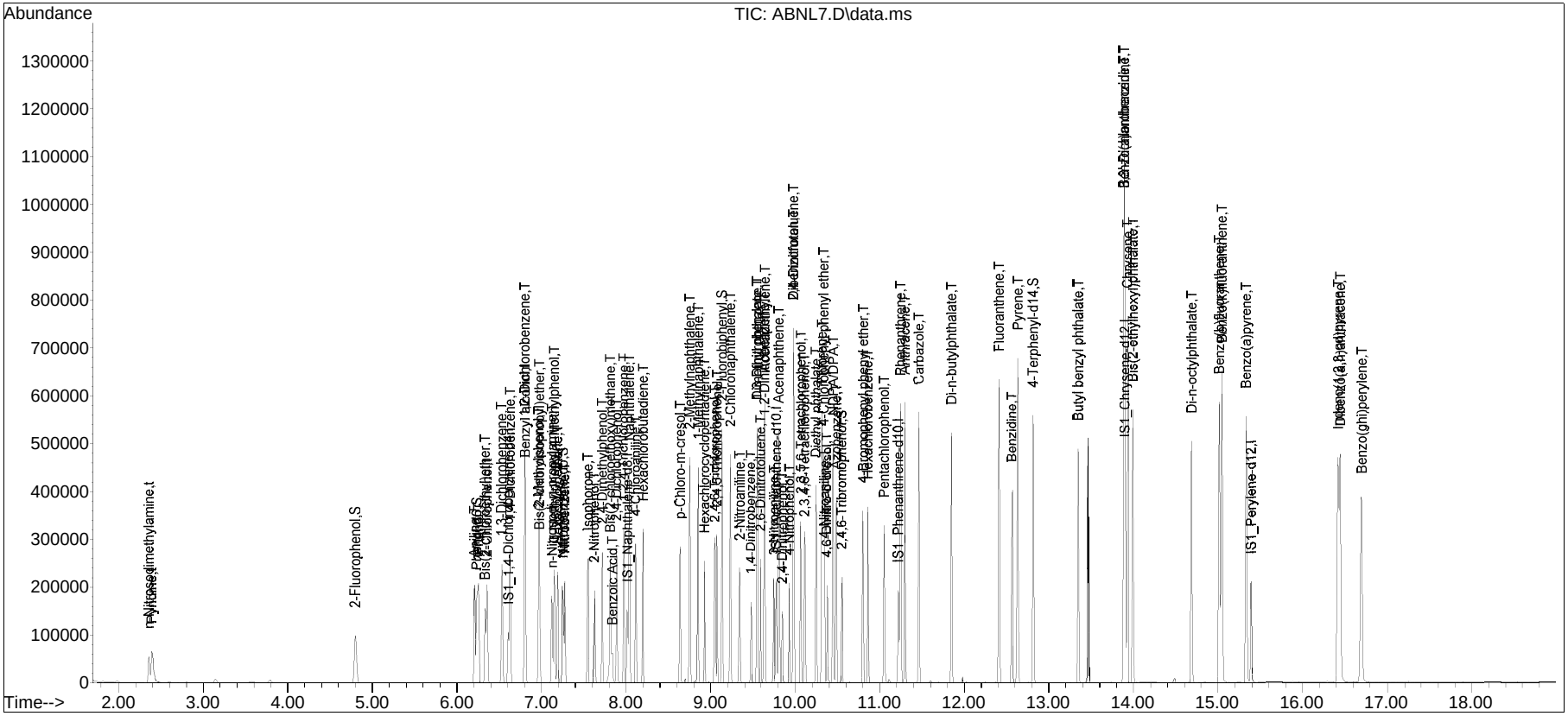
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL7.D
Acq On : 30 Jul 2024 8:16 pm
Operator : SV107:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1954578,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 31 17:12:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:44 2024
Response via : Initial Calibration

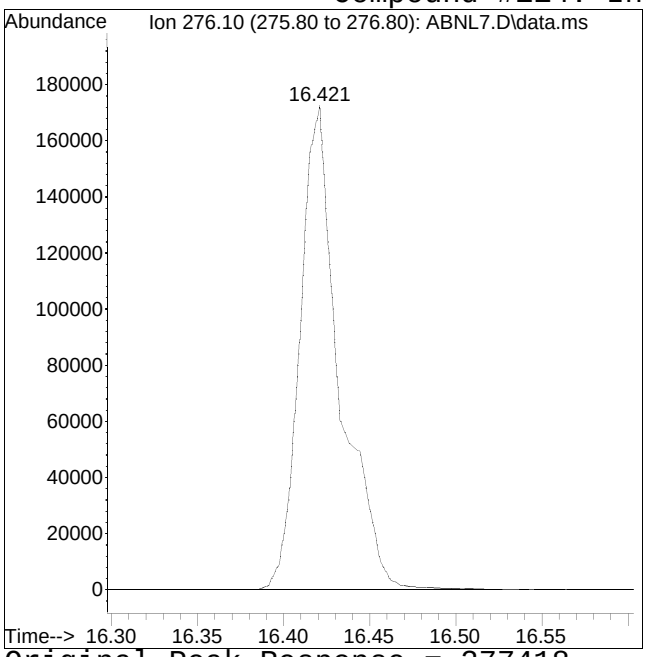
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



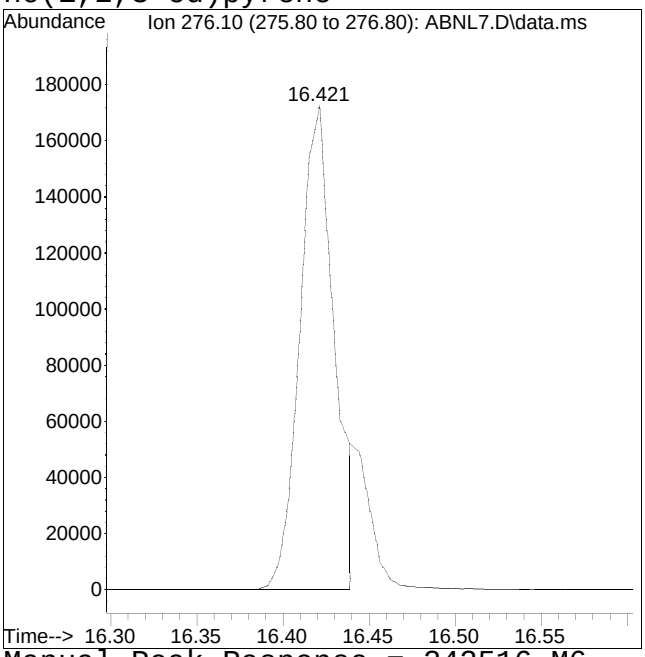
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL7.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 8:16 pm Instrument : SV107
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 277418



Manual Peak Response = 242516 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL6.D
Acq On : 30 Jul 2024 8:42 pm
Operator : SV107:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1954578,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 17:12:21 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.604	152	14527	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery = 100.00%			
35) IS1_Naphthalene-d8	8.016	136	53319	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	9.781	164	30073	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	11.222	188	55264	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery = 100.00%			
104) IS1_Chrysene-d12	13.892	240	49010	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery = 100.00%			
113) IS1_Perylene-d12	15.380	264	53266	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.793	112	19682	5.226	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.30%#			
7) Phenol-d6	6.234	99	24110	4.698	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.90%#			
19) Nitrobenzene-d5	7.251	82	22520	4.534	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.40%#			
46) 2-Fluorobiphenyl	9.134	172	51093	4.259	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 425.90%#			
79) 2,4,6-Tribromophenol	10.551	330	6393	4.780	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.00%#			
96) 4-Terphenyl-d14	12.816	244	57009	4.363	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 436.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.346	74	12944	5.284	ug/ml#	65
3) Pyridine	2.387	79	21639	5.484	ug/ml#	59
5) Aniline	6.204	93	29807	4.650	ug/ml	100
6) 2-Chlorophenol	6.351	128	22399	4.765	ug/ml	92
8) Phenol	6.245	94	26369	4.635	ug/ml	95
9) Bis(2-chloroethyl)ether	6.328	93	20258	4.472	ug/ml#	80
10) 1,3-Dichlorobenzene	6.534	146	26728	4.636	ug/ml	98
11) 1,4-Dichlorobenzene	6.628	146	26826	4.618	ug/ml	98
12) 1,2-Dichlorobenzene	6.804	146	25904	4.567	ug/ml	97
13) Benzyl alcohol	6.804	79	16675	4.616	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.975	45	26420	4.498	ug/ml#	43

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL6.D
Acq On : 30 Jul 2024 8:42 pm
Operator : SV107:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1954578,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 17:12:21 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	18156	4.438	ug/ml	99
16) Hexachloroethane	7.187	117	9856	4.822	ug/ml#	64
17) n-Nitrosodi-n-propylamine	7.122	70	14068	4.494	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.151	108	19796	4.499	ug/ml	97
20) Nitrobenzene	7.275	77	21863	4.589	ug/ml	95
21) Isophorone	7.545	82	38507	4.524	ug/ml	99
22) 2-Nitrophenol	7.628	139	10787	4.456	ug/ml	91
23) 2,4-Dimethylphenol	7.716	107	12058	3.166	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.810	93	24942	4.333	ug/ml	98
25) 2,4-Dichlorophenol	7.887	162	19484	4.721	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.969	180	22602	4.430	ug/ml	97
36) Naphthalene	8.040	128	66286	4.393	ug/ml	99
37) Benzoic Acid	7.804	105	11249	3.991	ug/ml	94
38) 4-Chloroaniline	8.116	65	8095	4.805	ug/ml	85
39) Hexachlorobutadiene	8.204	225	13691	4.589	ug/ml	98
40) p-Chloro-m-cresol	8.634	107	17185	4.558	ug/ml	98
41) 2-Methylnaphthalene	8.751	142	43741	4.451	ug/ml	97
42) 1-Methylnaphthalene	8.851	115	14499	4.566	ug/ml	98
43) Hexachlorocyclopentadiene	8.928	237	13214	4.684	ug/ml	99
44) 2,4,6-Trichlorophenol	9.045	196	14603	4.680	ug/ml	99
45) 2,4,5-Trichlorophenol	9.075	196	15779	4.760	ug/ml	99
47) 2-Chloronaphthalene	9.234	162	43334	4.261	ug/ml	96
48) 2-Nitroaniline	9.345	138	12077	4.439	ug/ml	87
49) 1,4-Dinitrobenzene	9.475	168	5954	4.066	ug/ml	77
50) 1,3-Dinitrobenzene	9.551	168	7006	4.074	ug/ml#	1
51) Dimethyl phthalate	9.545	163	49129	4.273	ug/ml#	98
52) Acenaphthylene	9.639	152	65600	4.346	ug/ml	98
53) 2,6-Dinitrotoluene	9.586	165	10214	4.539	ug/ml#	81
54) 1,2-Dinitrobenzene	9.634	168	4527	4.428	ug/ml#	1
64) 3-Nitroaniline	9.745	138	11706	4.865	ug/ml#	88
65) Acenaphthene	9.810	154	38403	4.488	ug/ml	89
66) 2,4-Dinitrophenol	9.851	184	5034	4.090	ug/ml#	87
67) Dibenzofuran	9.981	168	61672	4.366	ug/ml	97
68) 2,4-Dinitrotoluene	9.981	165	14025	4.568	ug/ml	93
69) 4-Nitrophenol	9.928	65	9002	4.732	ug/ml#	86
70) 2,3,5,6-Tetrachlorophenol	10.069	232	12721	4.961	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	10.110	232	12524	5.121	ug/ml	98
72) Diethyl phthalate	10.239	149	43388	4.349	ug/ml	97
73) Fluorene	10.316	166	47230	4.474	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.333	204	23647	4.412	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL6.D
Acq On : 30 Jul 2024 8:42 pm
Operator : SV107:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1954578,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 17:12:21 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.339	138	11313	4.700	ug/ml	81
76)	4,6-Dinitro-o-cresol	10.375	198	6951	4.537	ug/ml#	63
77)	NDPA/DPA	10.445	169	39750	4.535	ug/ml	96
78)	Azobenzene	10.481	77	42431	4.602	ug/ml	94
80)	4-Bromophenyl phenyl e...	10.804	248	12807	4.426	ug/ml#	86
81)	Hexachlorobenzene	10.857	284	14330	4.488	ug/ml#	88
82)	Pentachlorophenol	11.051	266	8782	4.284	ug/ml	98
89)	Phenanthrene	11.245	178	70286	4.419	ug/ml	99
90)	Anthracene	11.298	178	68473	4.551	ug/ml	99
91)	Carbazole	11.463	167	63569	4.631	ug/ml	97
92)	Di-n-butylphthalate	11.845	149	65310	4.321	ug/ml	98
93)	Fluoranthene	12.410	202	78580	4.510	ug/ml#	92
94)	Benzidine	12.557	184	36820	3.879	ug/ml#	94
95)	Pyrene	12.627	202	84928	4.481	ug/ml	98
97)	Butyl benzyl phthalate	13.345	149	26504	4.102	ug/ml	89
105)	Benzo(a)anthracene	13.880	228	81773	4.592	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.874	252	25859	4.829	ug/ml#	97
107)	Chrysene	13.916	228	78766	4.581	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.986	149	40883	4.970	ug/ml#	94
109)	Di-n-octylphthalate	14.674	149	61747	4.696	ug/ml#	71
110)	Benzo(b)fluoranthene	15.004	252	73405	4.787	ug/ml#	94
111)	Benzo(k)fluoranthene	15.033	252	78060	5.091	ug/ml#	93
112)	Benzo(a)pyrene	15.327	252	67951	5.038	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.410	276	71162M6	4.867	ug/mL	
115)	Dibenzo(a,h)anthracene	16.433	278	69451	4.941	ug/ml#	91
116)	Benzo(ghi)perylene	16.686	276	68195	5.240	ug/ml#	88

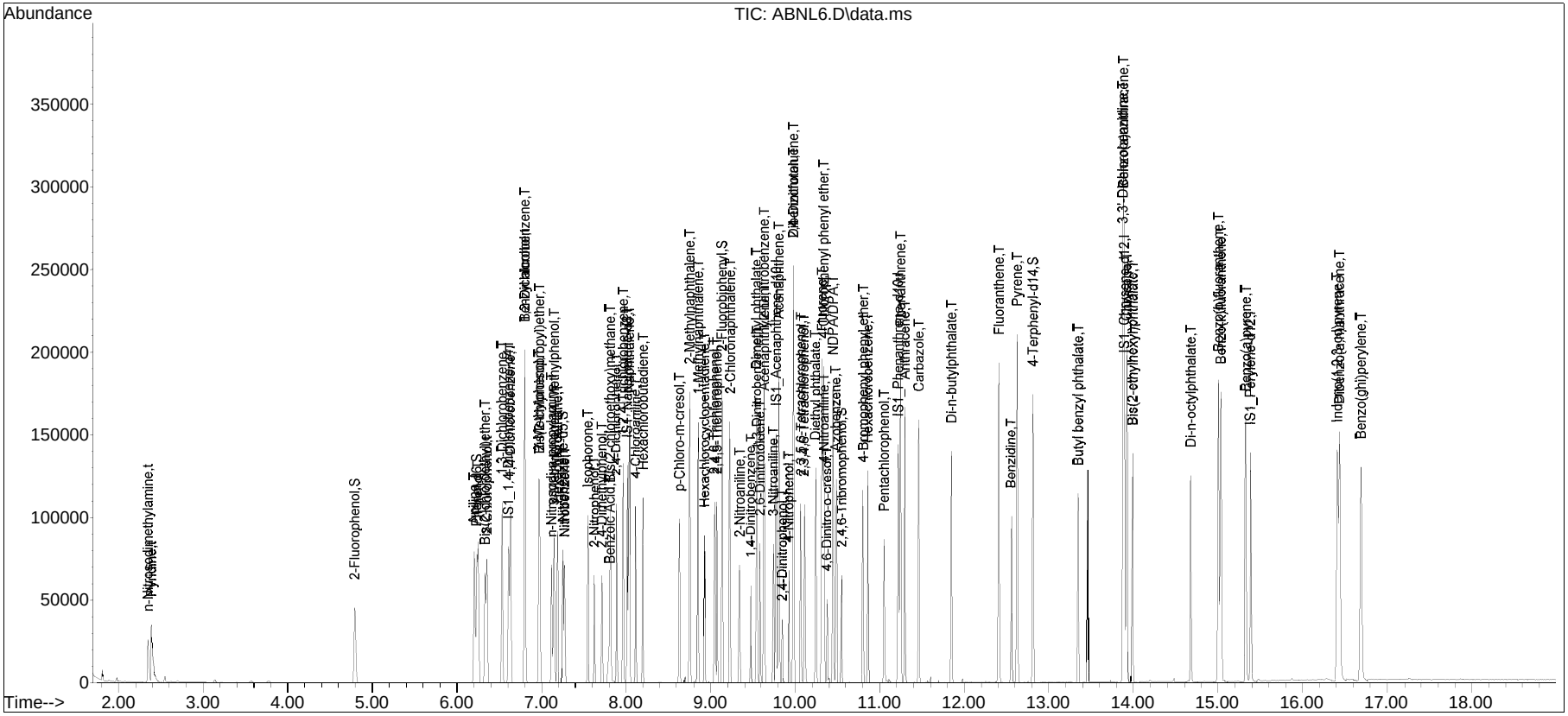
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL6.D
Acq On : 30 Jul 2024 8:42 pm
Operator : SV107:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1954578,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 17:12:21 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:36 2024
Response via : Initial Calibration

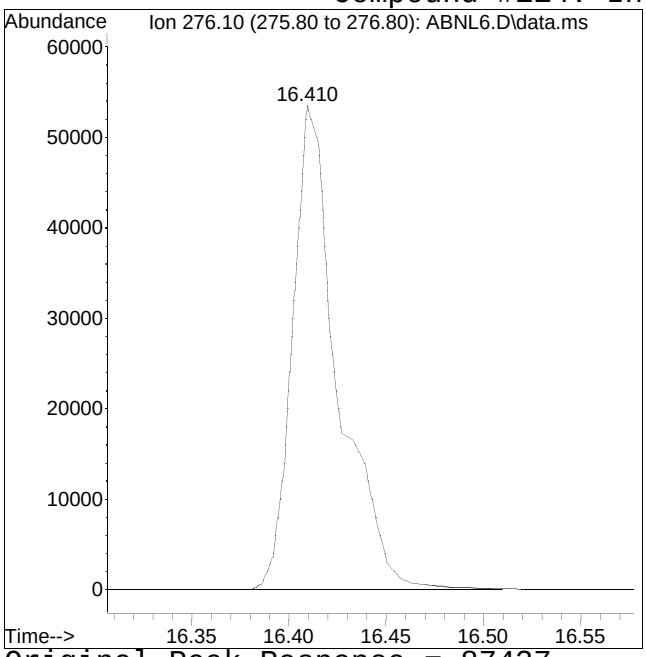
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



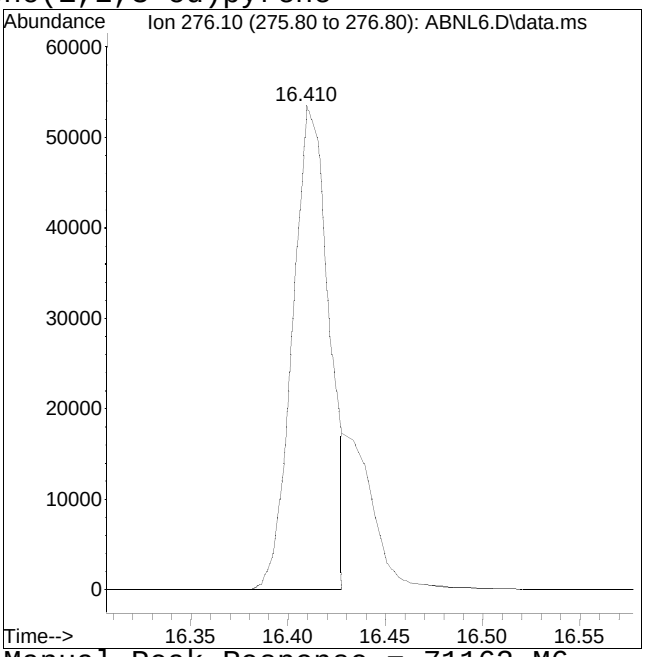
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL6.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 8:42 pm Instrument : SV107
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 87437



Manual Peak Response = 71162 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL5.D
Acq On : 30 Jul 2024 9:08 pm
Operator : SV107:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1954578,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 31 17:12:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	15918	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery = 109.58%			
35) IS1_Naphthalene-d8	8.016	136	60554	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery = 113.57%			
63) IS1_Acenaphthene-d10	9.781	164	37254	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery = 123.88%			
88) IS1_Phenanthrene-d10	11.222	188	74849	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery = 135.44%			
104) IS1_Chrysene-d12	13.892	240	70836	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery = 144.53%			
113) IS1_Perylene-d12	15.380	264	77064	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery = 144.68%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.798	112	10664	2.584	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 129.20%#			
7) Phenol-d6	6.234	99	13642	2.426	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.30%#			
19) Nitrobenzene-d5	7.251	82	12707	2.335	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 233.50%#			
46) 2-Fluorobiphenyl	9.134	172	30909	2.269	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 226.90%#			
79) 2,4,6-Tribromophenol	10.551	330	4086	2.466	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 123.30%#			
96) 4-Terphenyl-d14	12.816	244	41523	2.346	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 234.60%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.357	74	7051	2.627	ug/ml#	67
3) Pyridine	2.399	79	10706	2.476	ug/ml#	63
5) Aniline	6.210	93	16980	2.417	ug/ml	99
6) 2-Chlorophenol	6.351	128	12588	2.444	ug/ml	92
8) Phenol	6.245	94	15043	2.413	ug/ml	95
9) Bis(2-chloroethyl)ether	6.328	93	11531	2.323	ug/ml#	79
10) 1,3-Dichlorobenzene	6.534	146	14921	2.362	ug/ml	97
11) 1,4-Dichlorobenzene	6.628	146	14926	2.345	ug/ml	97
12) 1,2-Dichlorobenzene	6.804	146	14301	2.301	ug/ml	96
13) Benzyl alcohol	6.804	79	9110	2.301	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.981	45	15073	2.342	ug/ml#	42

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL5.D
Acq On : 30 Jul 2024 9:08 pm
Operator : SV107:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1954578,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 31 17:12:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	10622	2.370	ug/ml	100
16) Hexachloroethane	7.187	117	5492	2.452	ug/ml#	67
17) n-Nitrosodi-n-propylamine	7.122	70	8075	2.354	ug/ml	94
18) 3-Methylphenol/4-Methy...	7.151	108	11728	2.432	ug/ml	99
20) Nitrobenzene	7.275	77	12433	2.381	ug/ml	97
21) Isophorone	7.545	82	22615	2.425	ug/ml	98
22) 2-Nitrophenol	7.628	139	5931	2.236	ug/ml	91
23) 2,4-Dimethylphenol	7.716	107	10809	2.590	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.810	93	15048	2.386	ug/ml	98
25) 2,4-Dichlorophenol	7.887	162	11138	2.463	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.969	180	12966	2.319	ug/ml	96
36) Naphthalene	8.039	128	38528	2.248	ug/ml	99
37) Benzoic Acid	7.792	105	5323	1.663	ug/ml	92
38) 4-Chloroaniline	8.116	65	4598	2.403	ug/ml	77
39) Hexachlorobutadiene	8.198	225	8074	2.383	ug/ml	96
40) p-Chloro-m-cresol	8.634	107	10386	2.425	ug/ml	99
41) 2-Methylnaphthalene	8.751	142	25982	2.328	ug/ml	97
42) 1-Methylnaphthalene	8.851	115	8466	2.348	ug/ml	98
43) Hexachlorocyclopentadiene	8.928	237	7524	2.348	ug/ml	99
44) 2,4,6-Trichlorophenol	9.045	196	8825	2.491	ug/ml	99
45) 2,4,5-Trichlorophenol	9.075	196	9235	2.453	ug/ml	99
47) 2-Chloronaphthalene	9.233	162	26914	2.330	ug/ml	96
48) 2-Nitroaniline	9.345	138	7310	2.366	ug/ml	85
49) 1,4-Dinitrobenzene	9.475	168	3655	2.198	ug/ml	79
50) 1,3-Dinitrobenzene	9.551	168	4217	2.159	ug/ml#	1
51) Dimethyl phthalate	9.545	163	31627	2.422	ug/ml#	98
52) Acenaphthylene	9.633	152	40155	2.342	ug/ml	99
53) 2,6-Dinitrotoluene	9.586	165	6191	2.422	ug/ml#	84
54) 1,2-Dinitrobenzene	9.633	168	2827	2.435	ug/ml#	1
64) 3-Nitroaniline	9.745	138	7277	2.442	ug/ml#	89
65) Acenaphthene	9.810	154	23765	2.242	ug/ml	90
66) 2,4-Dinitrophenol	9.845	184	2879	1.888	ug/ml	88
67) Dibenzofuran	9.981	168	39281	2.245	ug/ml	97
68) 2,4-Dinitrotoluene	9.981	165	9193	2.417	ug/ml	94
69) 4-Nitrophenol	9.928	65	5701	2.419	ug/ml#	87
70) 2,3,5,6-Tetrachlorophenol	10.069	232	8096	2.549	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	10.110	232	7910	2.611	ug/ml	98
72) Diethyl phthalate	10.239	149	29104	2.355	ug/ml	97
73) Fluorene	10.316	166	30148	2.305	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.333	204	15150	2.282	ug/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL5.D
Acq On : 30 Jul 2024 9:08 pm
Operator : SV107:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1954578,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 31 17:12:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.339	138	7398	2.481	ug/ml	83
76)	4,6-Dinitro-o-cresol	10.375	198	4332	2.283	ug/ml#	63
77)	NDPA/DPA	10.445	169	25902	2.386	ug/ml	96
78)	Azobenzene	10.480	77	28035	2.454	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.804	248	8648	2.412	ug/ml#	86
81)	Hexachlorobenzene	10.857	284	9181	2.321	ug/ml	88
82)	Pentachlorophenol	11.051	266	5579	2.197	ug/ml	98
89)	Phenanthrene	11.245	178	47519	2.206	ug/ml	99
90)	Anthracene	11.298	178	46364	2.275	ug/ml	98
91)	Carbazole	11.463	167	43498	2.340	ug/ml	98
92)	Di-n-butylphthalate	11.845	149	45811	2.238	ug/ml	98
93)	Fluoranthene	12.410	202	55232	2.341	ug/ml#	91
94)	Benzidine	12.557	184	28918	2.249	ug/ml#	94
95)	Pyrene	12.627	202	59407	2.314	ug/ml	99
97)	Butyl benzyl phthalate	13.345	149	18753	2.143	ug/ml	88
105)	Benzo(a)anthracene	13.880	228	58938	2.290	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.874	252	18505	2.391	ug/ml#	97
107)	Chrysene	13.916	228	57321	2.306	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.986	149	29313	2.465	ug/ml#	95
109)	Di-n-octylphthalate	14.674	149	44222	2.327	ug/ml#	71
110)	Benzo(b)fluoranthene	15.004	252	53014	2.392	ug/ml#	94
111)	Benzo(k)fluoranthene	15.033	252	55882	2.522	ug/ml#	94
112)	Benzo(a)pyrene	15.327	252	48540	2.490	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.410	276	49116M6	2.322	ug/mL	
115)	Dibenzo(a,h)anthracene	16.433	278	48758	2.397	ug/ml#	91
116)	Benzo(ghi)perylene	16.686	276	47986	2.548	ug/ml#	88

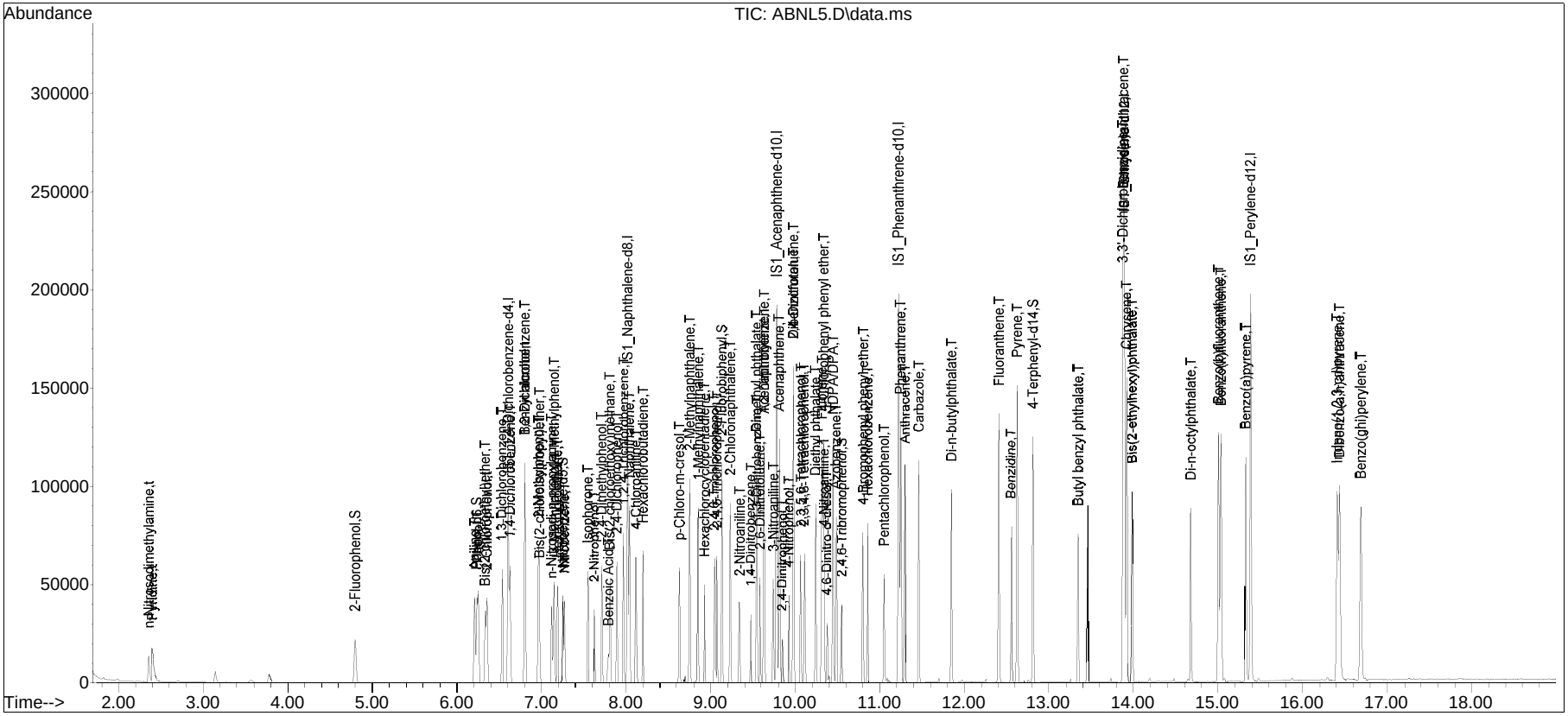
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL5.D
Acq On : 30 Jul 2024 9:08 pm
Operator : SV107:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1954578,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 31 17:12:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:28 2024
Response via : Initial Calibration

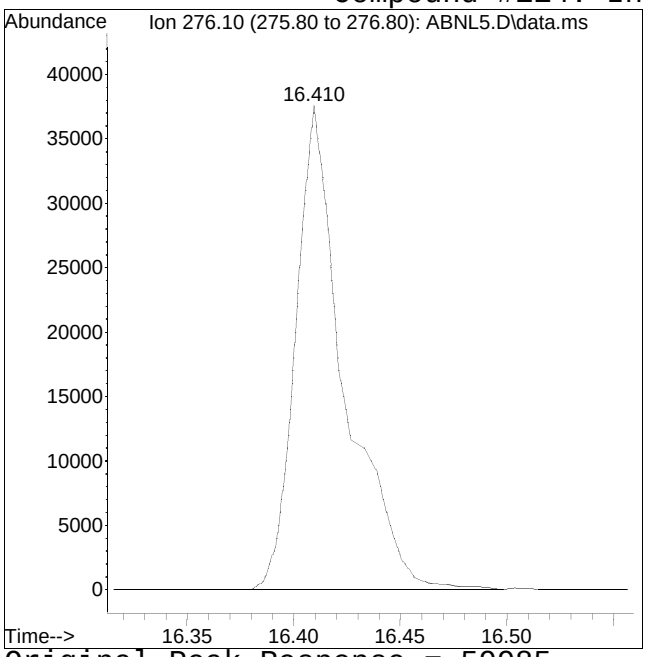
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



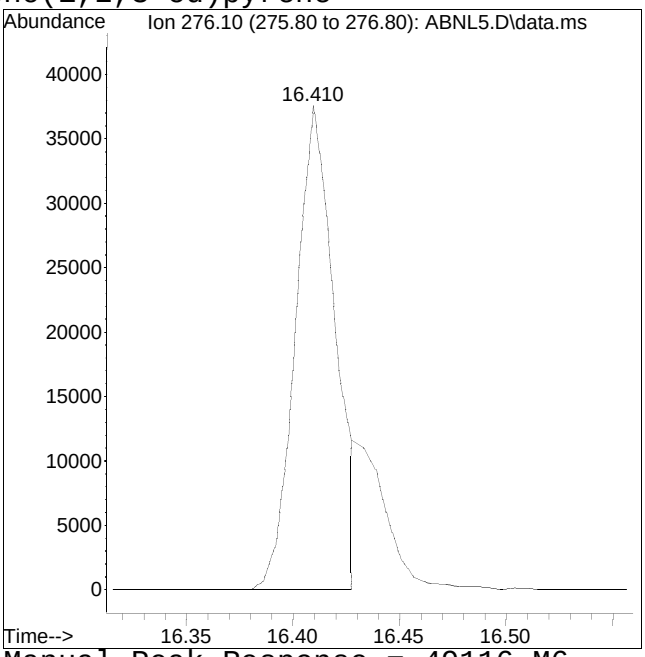
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL5.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 9:08 pm Instrument : SV107
Sample : IL6,32,,ABNL2.5 Lot# 10782 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 59985



Manual Peak Response = 49116 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL4.D
Acq On : 30 Jul 2024 9:33 pm
Operator : SV107:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1954578,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 31 17:12:05 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	16937	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery =	116.59%		
35) IS1_Naphthalene-d8	8.016	136	62711	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery =	117.61%		
63) IS1_Acenaphthene-d10	9.780	164	36784	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery =	122.32%		
88) IS1_Phenanthrene-d10	11.222	188	70986	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery =	128.45%		
104) IS1_Chrysene-d12	13.892	240	65466	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery =	133.58%		
113) IS1_Perylene-d12	15.386	264	68357	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery =	128.33%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.804	112	4331	0.986	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.30%		
7) Phenol-d6	6.234	99	5869	0.981	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.05%		
19) Nitrobenzene-d5	7.251	82	5453	0.942	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	94.20%		
46) 2-Fluorobiphenyl	9.133	172	13347	0.946	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	94.60%		
79) 2,4,6-Tribromophenol	10.551	330	1458	0.891	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.55%		
96) 4-Terphenyl-d14	12.816	244	16158	0.963	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	96.30%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.369	74	2920	1.022	ug/ml#	65
3) Pyridine	2.416	79	4429	0.963	ug/ml#	56
5) Aniline	6.210	93	7250	0.970	ug/ml	98
6) 2-Chlorophenol	6.351	128	5205	0.950	ug/ml	91
8) Phenol	6.251	94	6378	0.962	ug/ml	95
9) Bis(2-chloroethyl)ether	6.334	93	5070	0.960	ug/ml#	81
10) 1,3-Dichlorobenzene	6.534	146	6463	0.962	ug/ml	96
11) 1,4-Dichlorobenzene	6.628	146	6617	0.977	ug/ml	98
12) 1,2-Dichlorobenzene	6.804	146	6271	0.948	ug/ml	96
13) Benzyl alcohol	6.804	79	3793	0.901	ug/ml	95
14) Bis(2-chloroisopropyl)...	6.981	45	6522	0.952	ug/ml#	42

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL4.D
Acq On : 30 Jul 2024 9:33 pm
Operator : SV107:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1954578,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 31 17:12:05 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	4544	0.953	ug/ml	99
16) Hexachloroethane	7.192	117	2287	0.960	ug/ml#	66
17) n-Nitrosodi-n-propylamine	7.128	70	3405	0.933	ug/ml#	83
18) 3-Methylphenol/4-Methy...	7.151	108	4898	0.955	ug/ml	97
20) Nitrobenzene	7.275	77	5287	0.952	ug/ml	99
21) Isophorone	7.551	82	9105	0.917	ug/ml	99
22) 2-Nitrophenol	7.628	139	2241	0.794	ug/ml	92
23) 2,4-Dimethylphenol	7.716	107	4733	1.066	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	6364	0.948	ug/ml	98
25) 2,4-Dichlorophenol	7.886	162	4616	0.959	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.969	180	5629	0.946	ug/ml	95
36) Naphthalene	8.039	128	17024	0.959	ug/ml	98
37) Benzoic Acid	7.781	105	1336	0.403	ug/ml	91
38) 4-Chloroaniline	8.116	65	1986	1.002	ug/ml	83
39) Hexachlorobutadiene	8.204	225	3331	0.949	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	4258	0.960	ug/ml	98
41) 2-Methylnaphthalene	8.751	142	11011	0.953	ug/ml	95
42) 1-Methylnaphthalene	8.851	115	3546	0.950	ug/ml	93
43) Hexachlorocyclopentadiene	8.928	237	3194	0.963	ug/ml#	93
44) 2,4,6-Trichlorophenol	9.045	196	3553	0.968	ug/ml	98
45) 2,4,5-Trichlorophenol	9.075	196	3754	0.963	ug/ml	98
47) 2-Chloronaphthalene	9.233	162	11423	0.955	ug/ml	95
48) 2-Nitroaniline	9.345	138	2666	0.833	ug/ml	88
49) 1,4-Dinitrobenzene	9.475	168	1167	0.678	ug/ml	92
50) 1,3-Dinitrobenzene	9.551	168	1518	0.750	ug/ml#	1
51) Dimethyl phthalate	9.545	163	13053	0.965	ug/ml#	98
52) Acenaphthylene	9.633	152	16662	0.938	ug/ml	99
53) 2,6-Dinitrotoluene	9.586	165	2455	0.928	ug/ml#	84
54) 1,2-Dinitrobenzene	9.633	168	1066	0.886	ug/ml#	1
64) 3-Nitroaniline	9.745	138	2788	0.947	ug/ml#	87
65) Acenaphthene	9.810	154	10151	0.970	ug/ml	90
66) 2,4-Dinitrophenol	9.851	184	774	0.514	ug/ml#	25
67) Dibenzofuran	9.980	168	16575	0.959	ug/ml	97
68) 2,4-Dinitrotoluene	9.980	165	3225	0.859	ug/ml	95
69) 4-Nitrophenol	9.927	65	2040	0.877	ug/ml#	86
70) 2,3,5,6-Tetrachlorophenol	10.069	232	3063	0.977	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	10.110	232	2978	0.995	ug/ml	96
72) Diethyl phthalate	10.239	149	11516	0.944	ug/ml	97
73) Fluorene	10.316	166	12218	0.946	ug/ml	92
74) 4-Chlorophenyl phenyl ...	10.333	204	6110	0.932	ug/ml	90

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL4.D
Acq On : 30 Jul 2024 9:33 pm
Operator : SV107:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1954578,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 31 17:12:05 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.333	138	2762	0.938	ug/ml	86
76)	4,6-Dinitro-o-cresol	10.374	198	1252	0.668	ug/ml#	65
77)	NDPA/DPA	10.445	169	10361	0.967	ug/ml	95
78)	Azobenzene	10.480	77	10835	0.961	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.804	248	3407	0.963	ug/ml#	86
81)	Hexachlorobenzene	10.857	284	3861	0.989	ug/ml#	89
82)	Pentachlorophenol	11.051	266	1768	0.705	ug/ml	98
89)	Phenanthrene	11.245	178	19323	0.946	ug/ml	99
90)	Anthracene	11.292	178	18445	0.954	ug/ml	99
91)	Carbazole	11.457	167	17028	0.966	ug/ml	98
92)	Di-n-butylphthalate	11.845	149	16537	0.852	ug/ml	98
93)	Fluoranthene	12.410	202	20524	0.917	ug/ml#	92
94)	Benzidine	12.557	184	9498	0.779	ug/ml#	94
95)	Pyrene	12.627	202	22799	0.937	ug/ml	99
97)	Butyl benzyl phthalate	13.345	149	6074	0.732	ug/ml	90
105)	Benzo(a)anthracene	13.880	228	22210	0.934	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.874	252	6115	0.855	ug/ml#	98
107)	Chrysene	13.915	228	22837	0.994	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.986	149	9225	0.840	ug/ml#	95
109)	Di-n-octylphthalate	14.680	149	12872	0.733	ug/ml#	71
110)	Benzo(b)fluoranthene	15.004	252	19841	0.969	ug/ml#	93
111)	Benzo(k)fluoranthene	15.033	252	19121	0.934	ug/ml#	95
112)	Benzo(a)pyrene	15.327	252	17227	0.956	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.409	276	16602M6	0.885	ug/mL	
115)	Dibenzo(a,h)anthracene	16.439	278	17318	0.960	ug/ml#	92
116)	Benzo(ghi)perylene	16.680	276	16801	1.006	ug/ml#	88

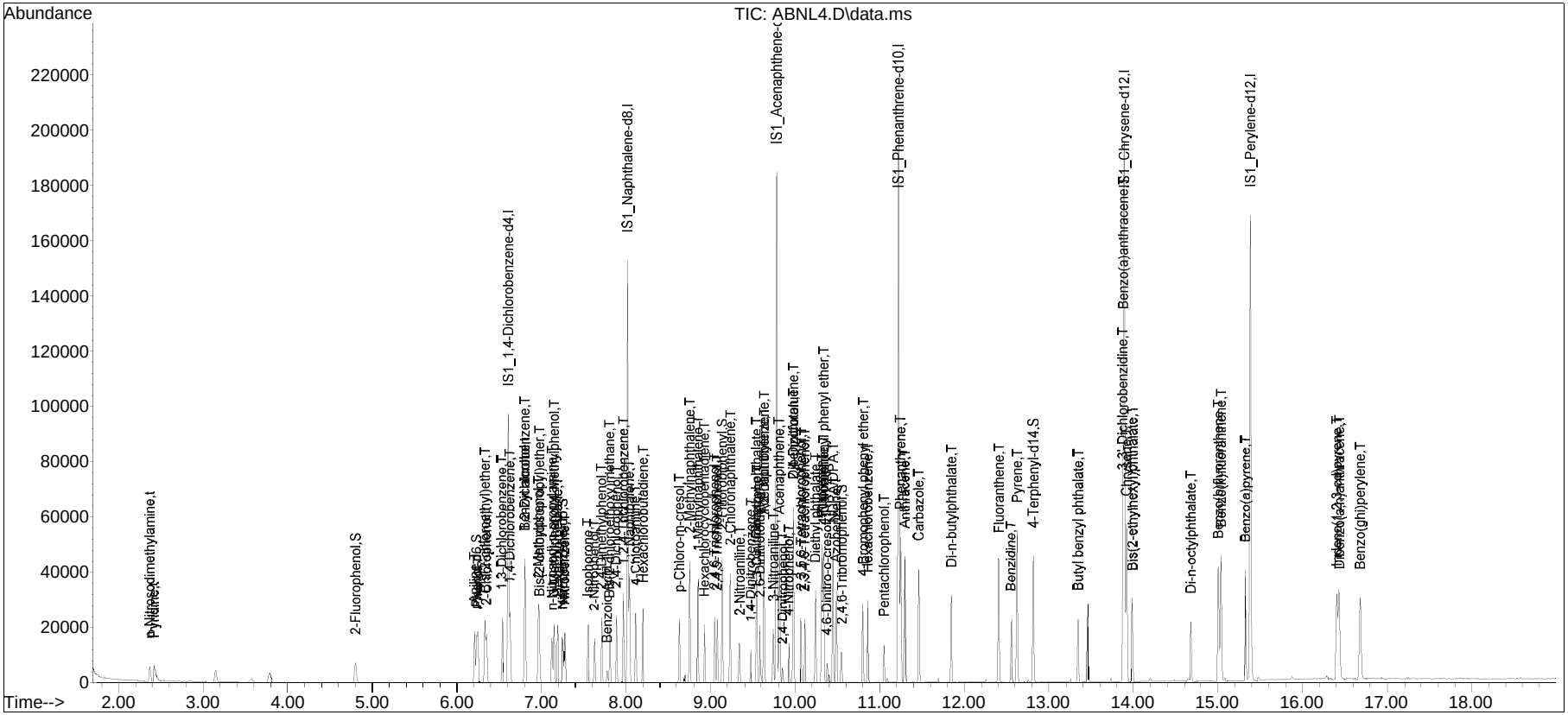
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL4.D
Acq On : 30 Jul 2024 9:33 pm
Operator : SV107:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1954578,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 31 17:12:05 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:20 2024
Response via : Initial Calibration

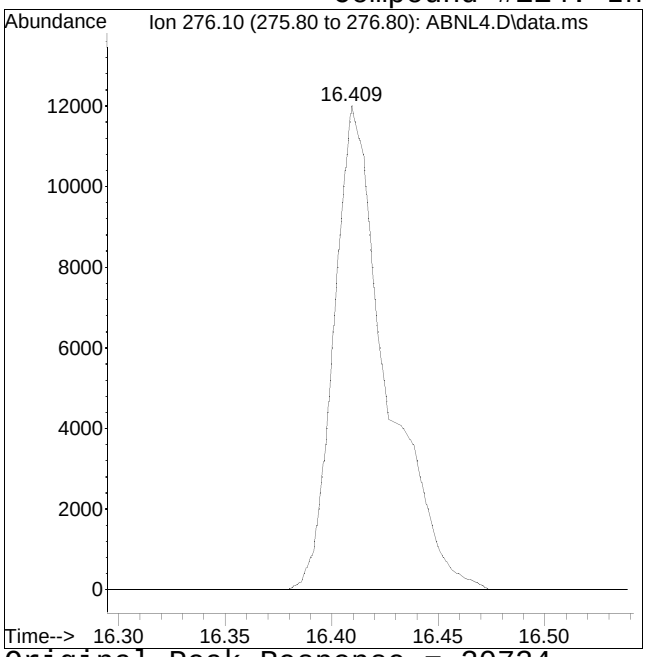
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



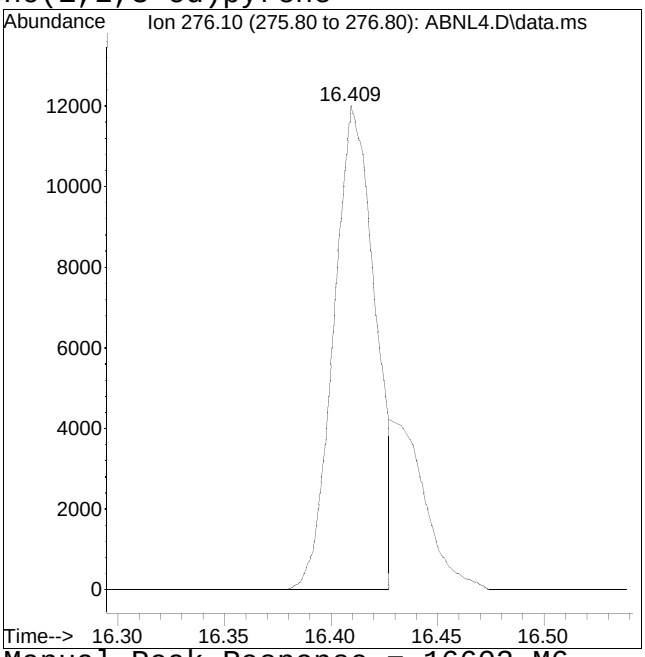
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL4.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 9:33 pm Instrument : SV107
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 20734



Manual Peak Response = 16602 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL3.D
Acq On : 30 Jul 2024 9:59 pm
Operator : SV107:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1954578,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 31 17:11:57 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	16192	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery =	111.46%		
35) IS1_Naphthalene-d8	8.016	136	61728	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery =	115.77%		
63) IS1_Acenaphthene-d10	9.780	164	36055	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery =	119.89%		
88) IS1_Phenanthrene-d10	11.222	188	72877	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery =	131.87%		
104) IS1_Chrysene-d12	13.886	240	65929	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery =	134.52%		
113) IS1_Perylene-d12	15.380	264	71076	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery =	133.44%		
System Monitoring Compounds						
4) 2-Fluorophenol	4.798	112	2183	0.520	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.00%		
7) Phenol-d6	6.234	99	2920	0.511	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	25.55%		
19) Nitrobenzene-d5	7.251	82	2720	0.491	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	49.10%		
46) 2-Fluorobiphenyl	9.133	172	6822	0.491	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	49.10%		
79) 2,4,6-Tribromophenol	10.551	330	769	0.480	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.00%		
96) 4-Terphenyl-d14	12.816	244	8625	0.501	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	50.10%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.363	74	1553	0.569	ug/ml#	61
3) Pyridine	2.422	79	2212	0.503	ug/ml#	54
5) Aniline	6.210	93	3539	0.495	ug/ml	99
6) 2-Chlorophenol	6.351	128	2660	0.508	ug/ml#	89
8) Phenol	6.245	94	3243	0.511	ug/ml	95
9) Bis(2-chloroethyl)ether	6.334	93	2623	0.519	ug/ml#	82
10) 1,3-Dichlorobenzene	6.534	146	3232	0.503	ug/ml	97
11) 1,4-Dichlorobenzene	6.628	146	3267	0.505	ug/ml	97
12) 1,2-Dichlorobenzene	6.804	146	3314	0.524	ug/ml	96
13) Benzyl alcohol	6.804	79	1992	0.495	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.981	45	3346	0.511	ug/ml#	47

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL3.D
Acq On : 30 Jul 2024 9:59 pm
Operator : SV107:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1954578,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 31 17:11:57 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	2228	0.489	ug/ml	99
16) Hexachloroethane	7.192	117	1148	0.504	ug/ml#	60
17) n-Nitrosodi-n-propylamine	7.128	70	1674	0.480	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.151	108	2497	0.509	ug/ml#	95
20) Nitrobenzene	7.275	77	2666	0.502	ug/ml#	90
21) Isophorone	7.551	82	4561	0.481	ug/ml#	90
22) 2-Nitrophenol	7.628	139	959	0.355	ug/ml#	82
23) 2,4-Dimethylphenol	7.716	107	2182	0.514	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.810	93	3112	0.485	ug/ml#	90
25) 2,4-Dichlorophenol	7.886	162	2188	0.476	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.969	180	2973	0.523	ug/ml	95
36) Naphthalene	8.039	128	8897	0.509	ug/ml	98
37) Benzoic Acid	7.781	105	202M2	0.062	ug/ml	
38) 4-Chloroaniline	8.116	65	929	0.476	ug/ml	74
39) Hexachlorobutadiene	8.198	225	1742	0.504	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	2089	0.479	ug/ml	99
41) 2-Methylnaphthalene	8.751	142	5527	0.486	ug/ml	95
42) 1-Methylnaphthalene	8.851	115	1820	0.495	ug/ml	96
43) Hexachlorocyclopentadiene	8.928	237	1583	0.485	ug/ml#	95
44) 2,4,6-Trichlorophenol	9.045	196	1610	0.446	ug/ml	98
45) 2,4,5-Trichlorophenol	9.075	196	1782	0.464	ug/ml	96
47) 2-Chloronaphthalene	9.233	162	5749	0.488	ug/ml	97
48) 2-Nitroaniline	9.339	138	1198	0.380	ug/ml	95
49) 1,4-Dinitrobenzene	9.475	168	562	0.332	ug/ml	79
50) 1,3-Dinitrobenzene	9.551	168	662	0.332	ug/ml#	1
51) Dimethyl phthalate	9.545	163	6698	0.503	ug/ml#	95
52) Acenaphthylene	9.633	152	8258	0.473	ug/ml	98
53) 2,6-Dinitrotoluene	9.586	165	1060	0.407	ug/ml#	87
54) 1,2-Dinitrobenzene	9.633	168	460	0.389	ug/ml#	1
64) 3-Nitroaniline	9.745	138	1253	0.434	ug/ml#	83
65) Acenaphthene	9.810	154	5356	0.522	ug/ml	89
66) 2,4-Dinitrophenol	9.851	184	252M2	0.171	ug/ml	
67) Dibenzofuran	9.980	168	8540	0.504	ug/ml	97
68) 2,4-Dinitrotoluene	9.980	165	1518	0.412	ug/ml	93
69) 4-Nitrophenol	9.928	65	944	0.414	ug/ml#	92
70) 2,3,5,6-Tetrachlorophenol	10.069	232	1515	0.493	ug/ml	95
71) 2,3,4,6-Tetrachlorophenol	10.110	232	1390	0.474	ug/ml	96
72) Diethyl phthalate	10.239	149	6193	0.518	ug/ml	99
73) Fluorene	10.316	166	6539	0.517	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.333	204	3311	0.515	ug/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL3.D
Acq On : 30 Jul 2024 9:59 pm
Operator : SV107:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1954578,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 31 17:11:57 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.333	138	1254	0.435	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.375	198	493	0.268	ug/ml#	1
77)	NDPA/DPA	10.445	169	5562	0.529	ug/ml	95
78)	Azobenzene	10.480	77	5860	0.530	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.804	248	1738	0.501	ug/ml#	87
81)	Hexachlorobenzene	10.857	284	2004	0.523	ug/ml#	89
82)	Pentachlorophenol	11.051	266	732	0.298	ug/ml	98
89)	Phenanthrene	11.245	178	10587	0.505	ug/ml	99
90)	Anthracene	11.292	178	9564	0.482	ug/ml	98
91)	Carbazole	11.457	167	8873	0.490	ug/ml	99
92)	Di-n-butylphthalate	11.845	149	8340	0.418	ug/ml	99
93)	Fluoranthene	12.404	202	11140	0.485	ug/ml#	91
94)	Benzidine	12.557	184	4555	0.364	ug/ml#	85
95)	Pyrene	12.627	202	12338	0.494	ug/ml	100
97)	Butyl benzyl phthalate	13.339	149	2896	0.340	ug/ml	93
105)	Benzo(a)anthracene	13.880	228	11863	0.495	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.874	252	2788	0.387	ug/ml	96
107)	Chrysene	13.915	228	12351	0.534	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.986	149	4401	0.398	ug/ml#	94
109)	Di-n-octylphthalate	14.674	149	6113	0.346	ug/ml#	71
110)	Benzo(b)fluoranthene	15.004	252	10318	0.500	ug/ml#	93
111)	Benzo(k)fluoranthene	15.033	252	10737	0.521	ug/ml#	93
112)	Benzo(a)pyrene	15.327	252	8947	0.493	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	16.409	276	9105M6	0.467	ug/mL	
115)	Dibenzo(a,h)anthracene	16.433	278	9108	0.486	ug/ml#	90
116)	Benzo(ghi)perylene	16.680	276	8846	0.509	ug/ml#	87

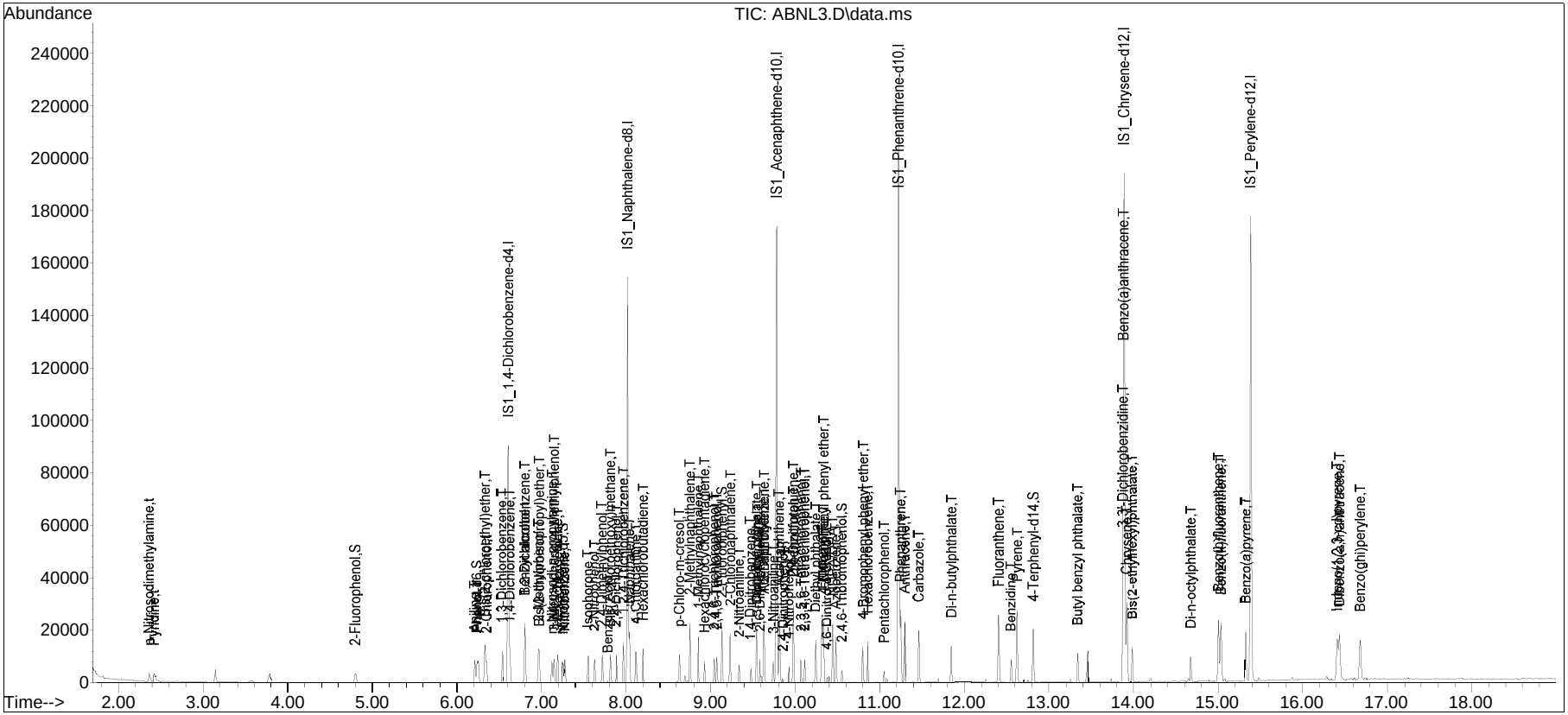
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL3.D
Acq On : 30 Jul 2024 9:59 pm
Operator : SV107:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1954578,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 31 17:11:57 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:12 2024
Response via : Initial Calibration

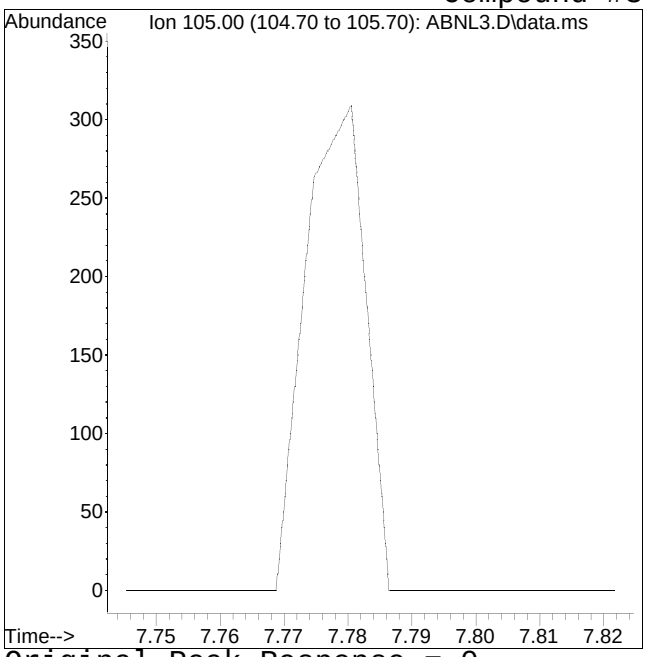
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



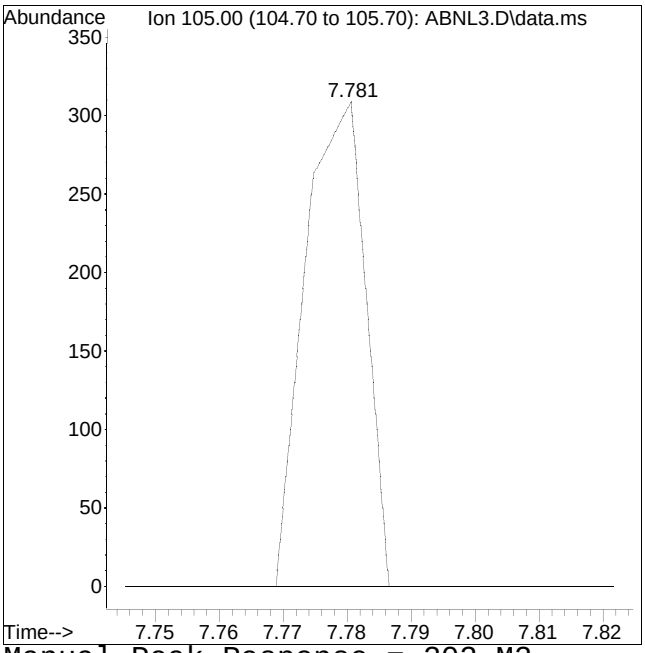
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL3.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 9:59 pm Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 10784 Quant Date : 7/31/2024 5:13 pm

Compound #37: Benzoic Acid



Original Peak Response = 0



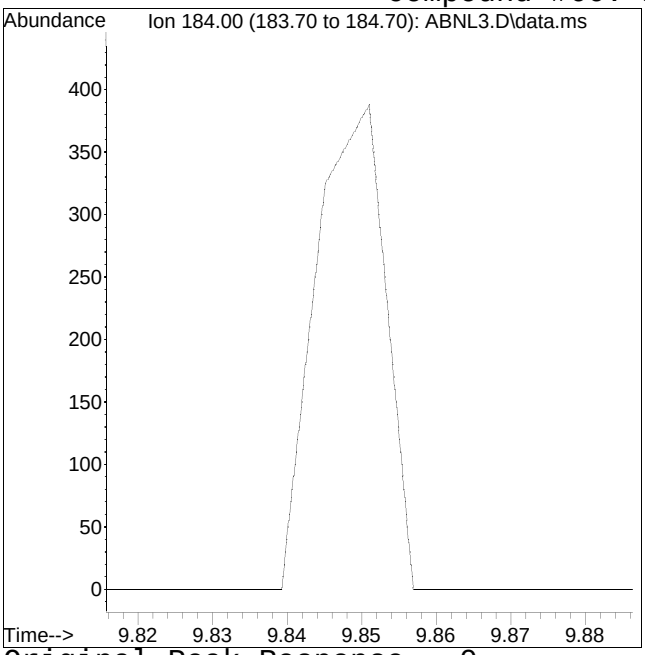
Manual Peak Response = 202 M2

M2 = Peak not found by automatic integration algorithm.

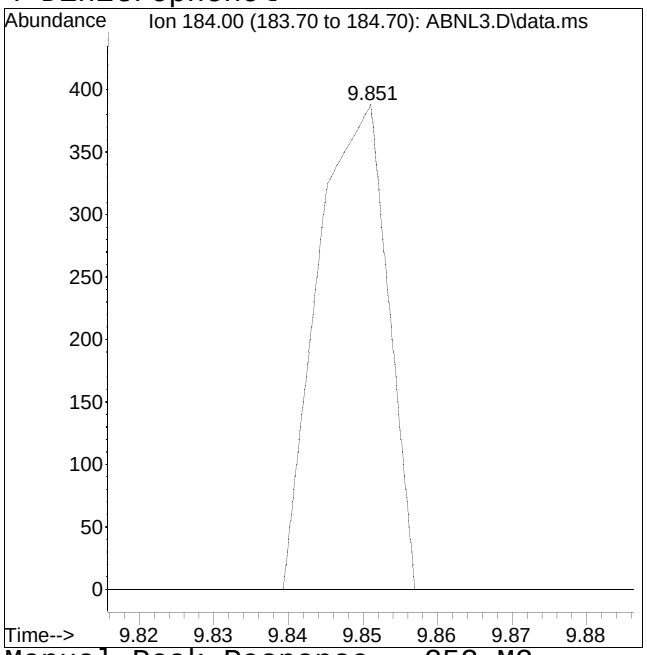
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL3.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 9:59 pm Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 10784 Quant Date : 7/31/2024 5:13 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



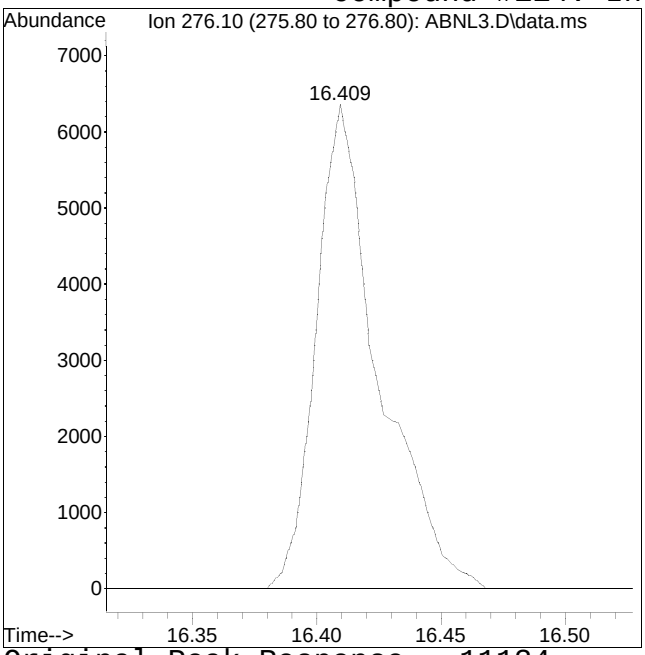
Manual Peak Response = 252 M2

M2 = Peak not found by automatic integration algorithm.

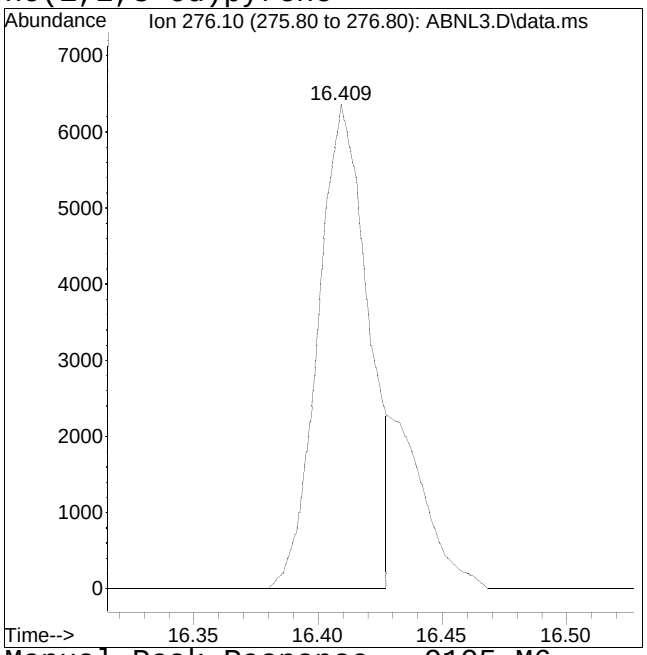
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL3.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 9:59 pm Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 10784 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 11134



Manual Peak Response = 9105 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL2.D
Acq On : 30 Jul 2024 10:24 pm
Operator : SV107:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1954578,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 17:11:49 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	13582	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery = 93.49%			
35) IS1_Naphthalene-d8	8.016	136	49644	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery = 93.11%			
63) IS1_Acenaphthene-d10	9.781	164	29133	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery = 96.87%			
88) IS1_Phenanthrene-d10	11.222	188	57758	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery = 104.51%			
104) IS1_Chrysene-d12	13.892	240	49637	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery = 101.28%			
113) IS1_Perylene-d12	15.386	264	51624	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery = 96.92%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.810	112	659	0.187	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.35%#			
7) Phenol-d6	6.234	99	953	0.199	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.95%#			
19) Nitrobenzene-d5	7.257	82	950	0.205	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.50%#			
46) 2-Fluorobiphenyl	9.134	172	2632	0.236	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 23.60%#			
79) 2,4,6-Tribromophenol	10.551	330	163M2	0.126	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.30%#			
96) 4-Terphenyl-d14	12.816	244	2783	0.204	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.381	74	424	0.185	ug/ml#	1
3) Pyridine	2.452	79	629	0.171	ug/ml#	1
5) Aniline	6.210	93	1239	0.207	ug/ml#	83
6) 2-Chlorophenol	6.351	128	865	0.197	ug/ml#	30
8) Phenol	6.251	94	1121	0.211	ug/ml#	73
9) Bis(2-chloroethyl)ether	6.334	93	927	0.219	ug/ml#	68
10) 1,3-Dichlorobenzene	6.534	146	1249	0.232	ug/ml#	94
11) 1,4-Dichlorobenzene	6.628	146	1272	0.234	ug/ml	97
12) 1,2-Dichlorobenzene	6.804	146	1224	0.231	ug/ml	93
13) Benzyl alcohol	6.810	79	699	0.207	ug/ml#	58

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL2.D
Acq On : 30 Jul 2024 10:24 pm
Operator : SV107:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1954578,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 17:11:49 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	6.981	45	1214	0.221	ug/ml#	46
15) 2-Methylphenol	6.969	108	745	0.195	ug/ml#	88
16) Hexachloroethane	7.192	117	446	0.233	ug/ml#	59
17) n-Nitrosodi-n-propylamine	7.128	70	588	0.201	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.151	108	869	0.211	ug/ml#	96
20) Nitrobenzene	7.275	77	901	0.202	ug/ml#	39
21) Isophorone	7.551	82	1527	0.192	ug/ml#	65
22) 2-Nitrophenol	7.628	139	331M2	0.146	ug/ml	
23) 2,4-Dimethylphenol	7.716	107	737	0.207	ug/ml#	69
24) Bis(2-chloroethoxy)met...	7.810	93	1146	0.213	ug/ml#	50
25) 2,4-Dichlorophenol	7.887	162	753	0.195	ug/ml#	73
26) 1,2,4-Trichlorobenzene	7.969	180	1084	0.227	ug/ml#	83
36) Naphthalene	8.040	128	3189	0.227	ug/ml#	87
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.116	65	321M2	0.205	ug/ml	
39) Hexachlorobutadiene	8.204	225	672	0.242	ug/ml#	18
40) p-Chloro-m-cresol	8.634	107	684	0.195	ug/ml#	81
41) 2-Methylnaphthalene	8.751	142	1946	0.213	ug/ml	92
42) 1-Methylnaphthalene	8.845	115	686	0.232	ug/ml	97
43) Hexachlorocyclopentadiene	8.928	237	536	0.204	ug/ml#	27
44) 2,4,6-Trichlorophenol	9.045	196	552	0.190	ug/ml#	12
45) 2,4,5-Trichlorophenol	9.081	196	584	0.189	ug/ml#	85
47) 2-Chloronaphthalene	9.234	162	2111	0.223	ug/ml	95
48) 2-Nitroaniline	9.345	138	376M2	0.148	ug/ml	
49) 1,4-Dinitrobenzene	9.475	168	83M2	0.061	ug/ml	
50) 1,3-Dinitrobenzene	9.551	168	155M2	0.097	ug/ml	
51) Dimethyl phthalate	9.545	163	2321	0.217	ug/ml#	77
52) Acenaphthylene	9.634	152	2934	0.209	ug/ml#	86
53) 2,6-Dinitrotoluene	9.586	165	328M2	0.157	ug/ml	
54) 1,2-Dinitrobenzene	9.628	168	114M2	0.120	ug/ml	
64) 3-Nitroaniline	9.745	138	336M2	0.144	ug/ml	
65) Acenaphthene	9.810	154	1855	0.224	ug/ml	88
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	9.981	168	3115	0.228	ug/ml	94
68) 2,4-Dinitrotoluene	9.981	165	414	0.139	ug/ml#	10
69) 4-Nitrophenol	9.928	65	257M2	0.139	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	10.069	232	436	0.176	ug/ml#	17
71) 2,3,4,6-Tetrachlorophenol	10.116	232	387M3	0.163	ug/ml	
72) Diethyl phthalate	10.239	149	2086	0.216	ug/ml#	85
73) Fluorene	10.316	166	2222	0.217	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL2.D
Acq On : 30 Jul 2024 10:24 pm
Operator : SV107:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1954578,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 17:11:49 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	10.333	204	1185	0.228	ug/ml#	71
75) 4-Nitroaniline	10.333	138	274M2	0.118	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	10.445	169	1784	0.210	ug/ml	95
78) Azobenzene	10.481	77	1879	0.210	ug/ml#	79
80) 4-Bromophenyl phenyl e...	10.804	248	571	0.204	ug/ml#	88
81) Hexachlorobenzene	10.857	284	636	0.206	ug/ml#	33
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	11.245	178	3848	0.231	ug/ml	98
90) Anthracene	11.292	178	3323	0.211	ug/ml	99
91) Carbazole	11.463	167	2797	0.195	ug/ml#	83
92) Di-n-butylphthalate	11.845	149	2668	0.169	ug/ml#	79
93) Fluoranthene	12.410	202	3771	0.207	ug/ml#	93
94) Benzidine	12.557	184	1337	0.135	ug/ml#	68
95) Pyrene	12.627	202	4202	0.212	ug/ml	97
97) Butyl benzyl phthalate	13.345	149	948	0.140	ug/ml#	86
105) Benzo(a)anthracene	13.880	228	3897	0.216	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.874	252	801	0.148	ug/ml#	89
107) Chrysene	13.916	228	4317	0.248	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	13.986	149	1308	0.157	ug/ml#	52
109) Di-n-octylphthalate	0.000		0	N.D. d		
110) Benzo(b)fluoranthene	15.010	252	3321	0.214	ug/ml#	83
111) Benzo(k)fluoranthene	15.033	252	3041	0.196	ug/ml#	82
112) Benzo(a)pyrene	15.327	252	2576	0.189	ug/ml#	78
114) Indeno(1,2,3-cd)pyrene	16.410	276	2679M6	0.189	ug/mL	
115) Dibenzo(a,h)anthracene	16.433	278	2615	0.192	ug/ml#	89
116) Benzo(ghi)perylene	16.680	276	2842	0.225	ug/ml#	83

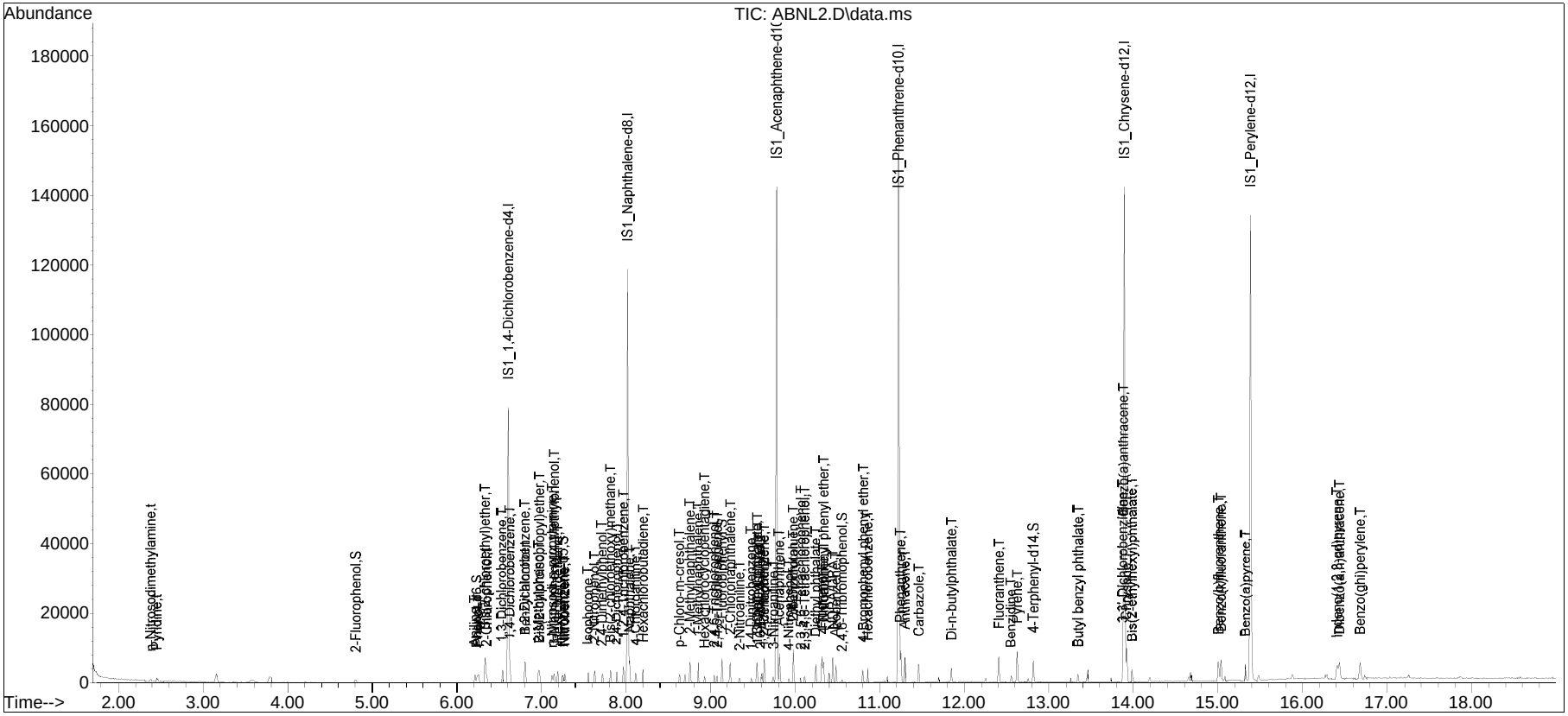
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL2.D
Acq On : 30 Jul 2024 10:24 pm
Operator : SV107:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1954578,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 31 17:11:49 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:13:04 2024
Response via : Initial Calibration

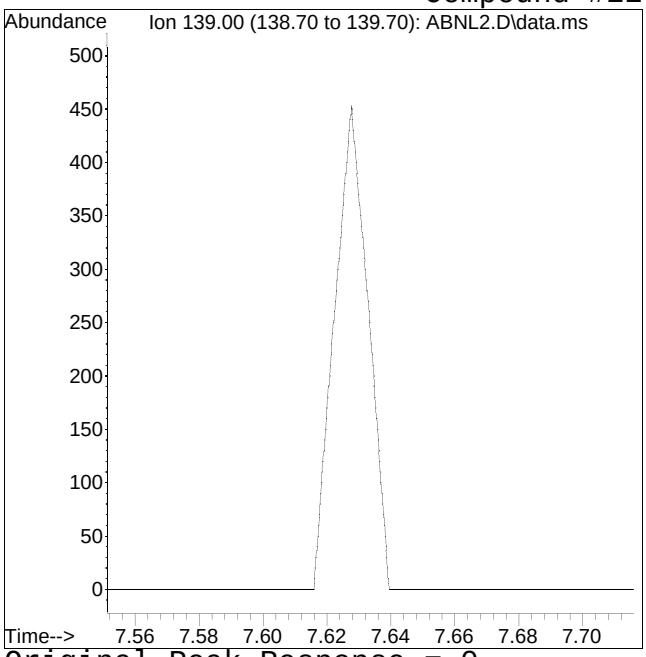
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



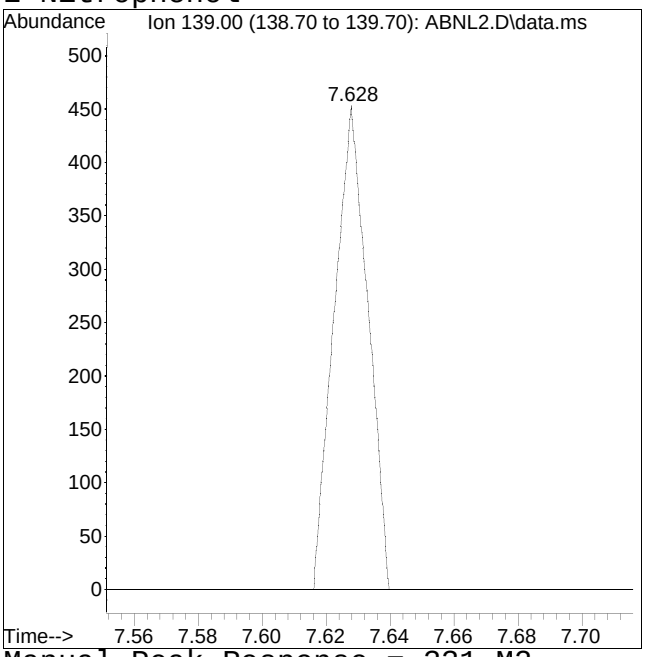
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 7/31/2024 5:13 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0



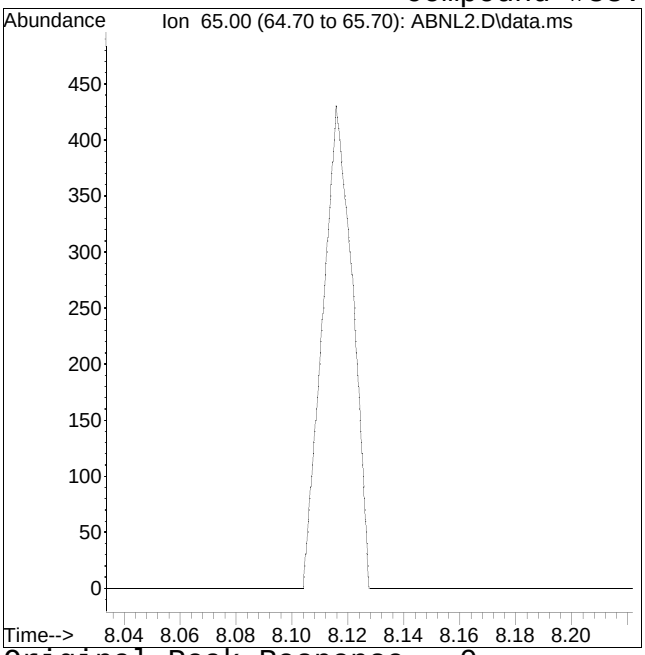
Manual Peak Response = 331 M2

M2 = Peak not found by automatic integration algorithm.

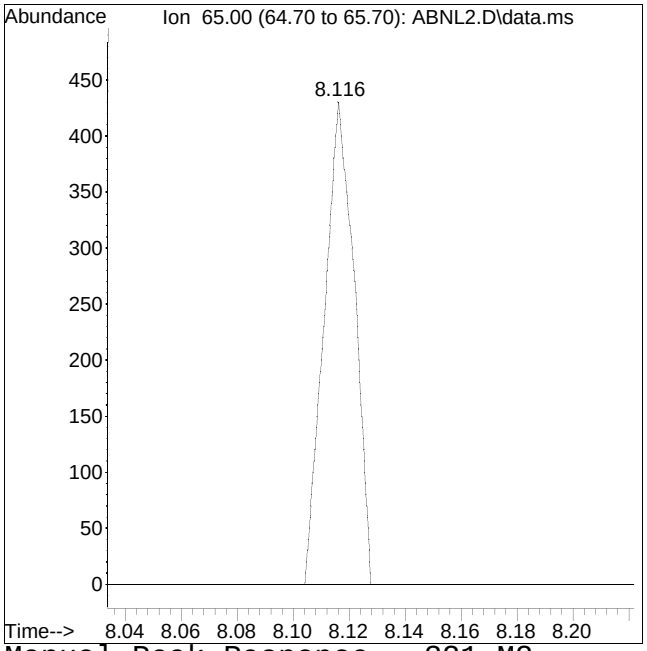
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



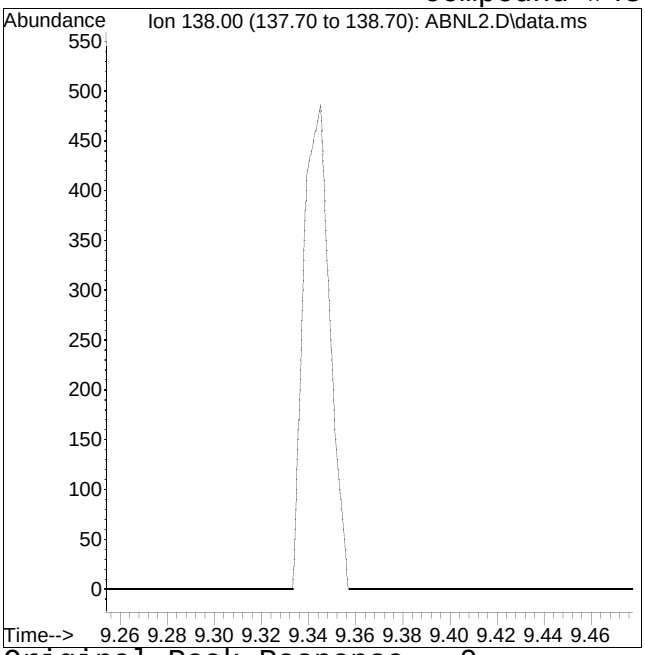
Manual Peak Response = 321 M2

M2 = Peak not found by automatic integration algorithm.

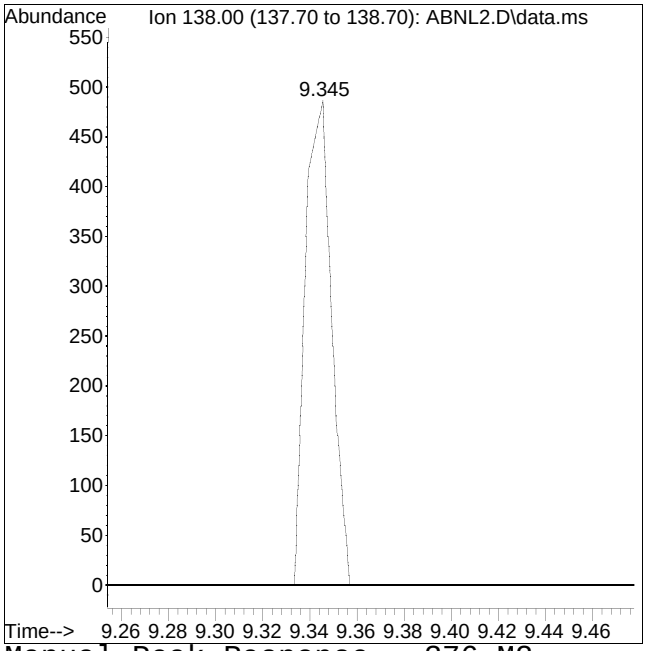
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



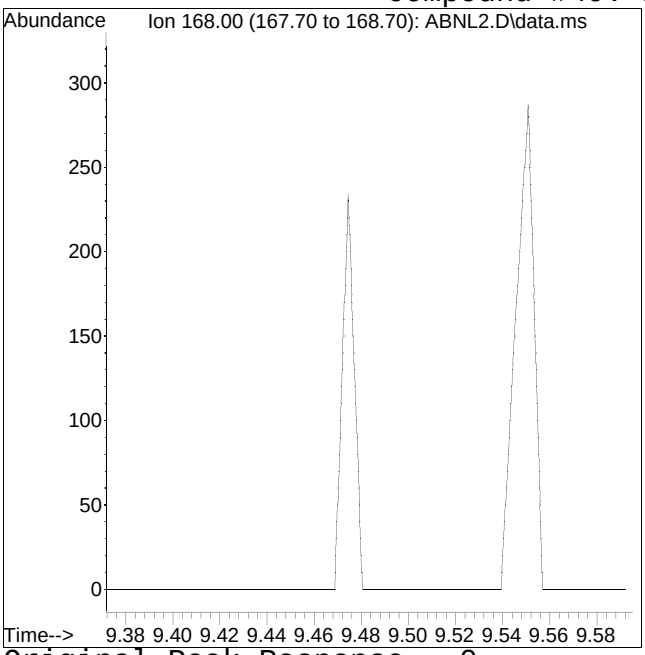
Manual Peak Response = 376 M2

M2 = Peak not found by automatic integration algorithm.

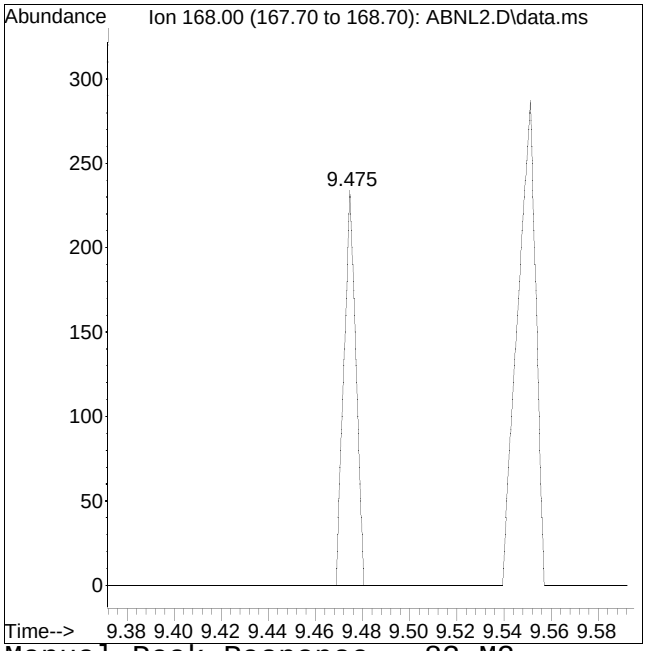
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



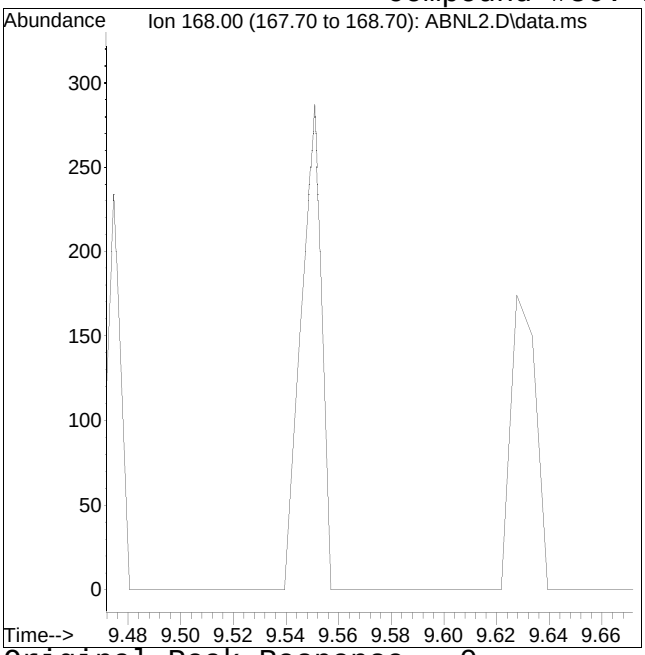
Manual Peak Response = 83 M2

M2 = Peak not found by automatic integration algorithm.

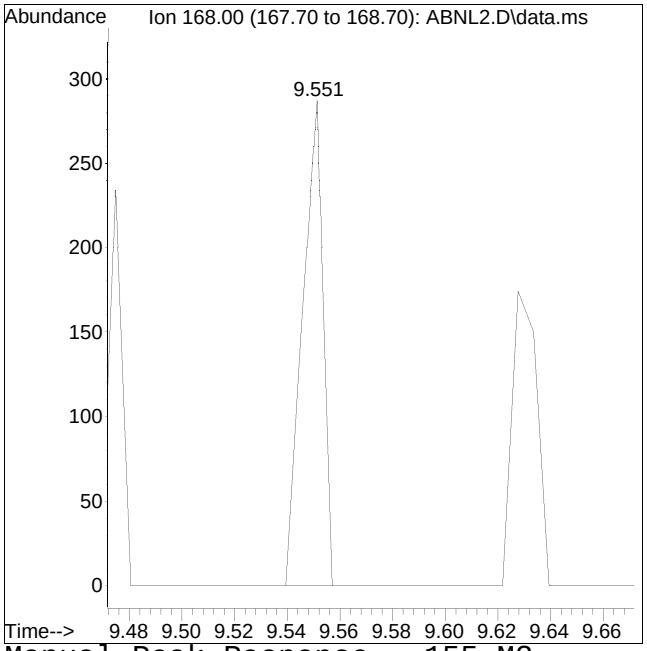
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



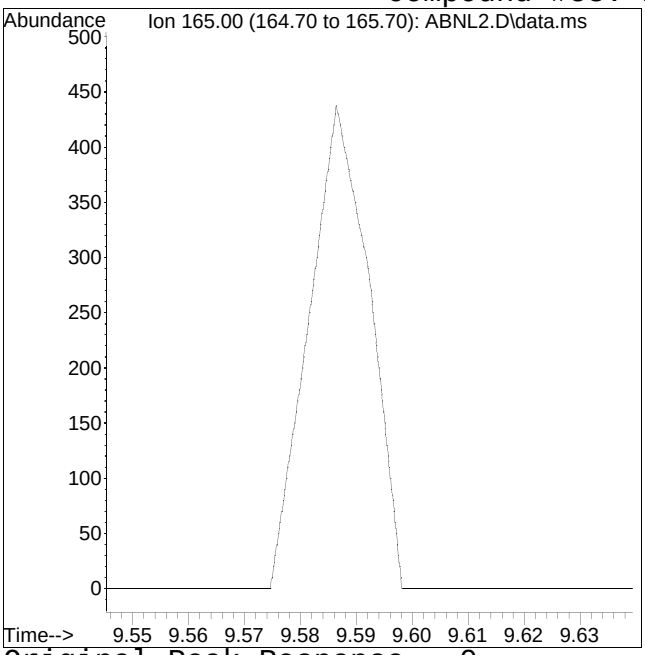
Manual Peak Response = 155 M2

M2 = Peak not found by automatic integration algorithm.

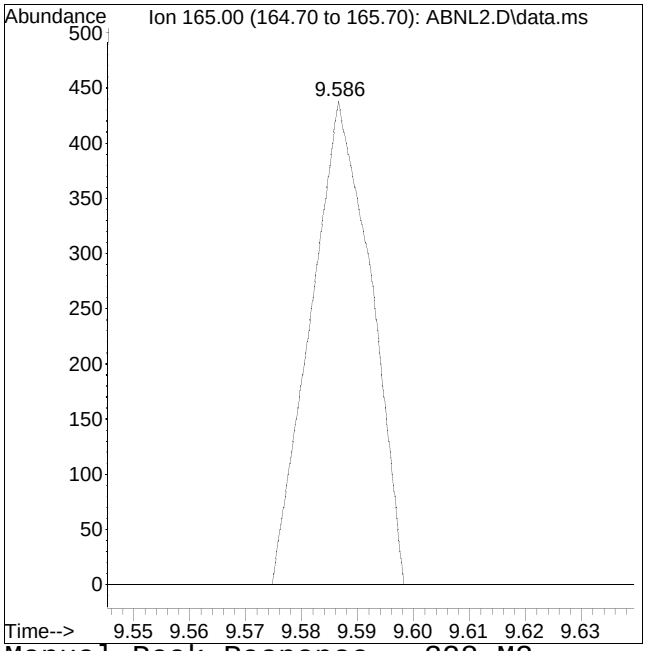
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 0



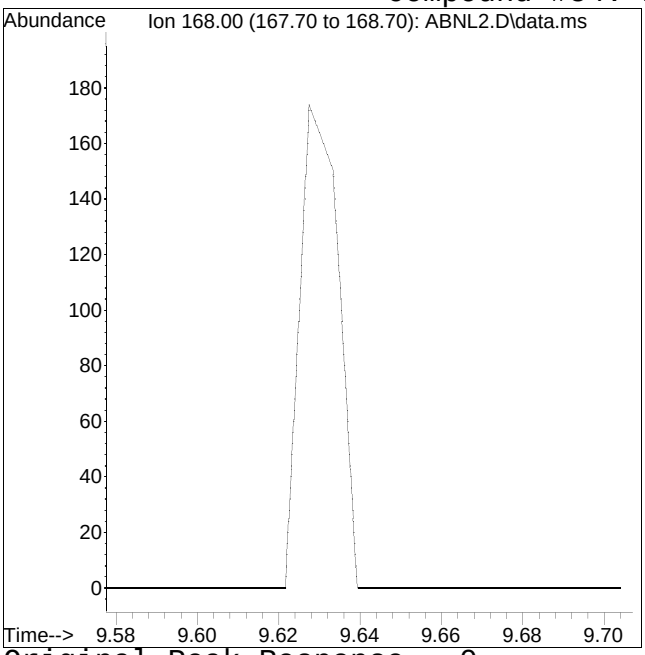
Manual Peak Response = 328 M2

M2 = Peak not found by automatic integration algorithm.

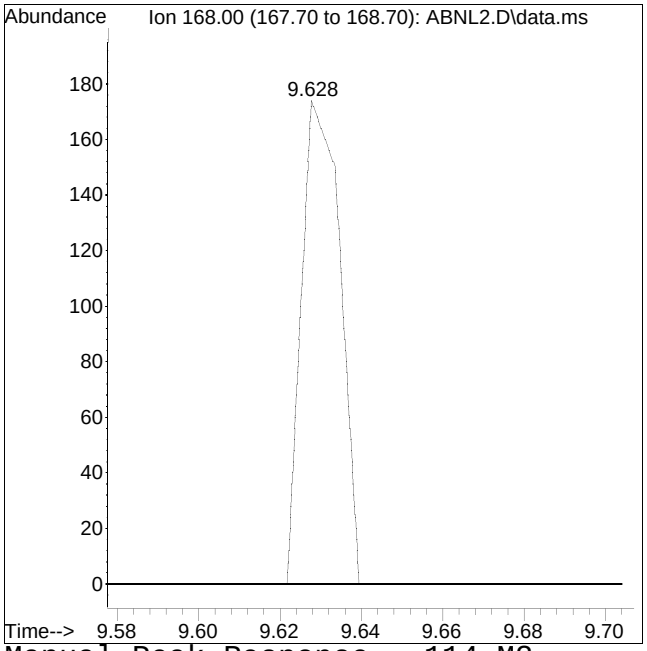
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



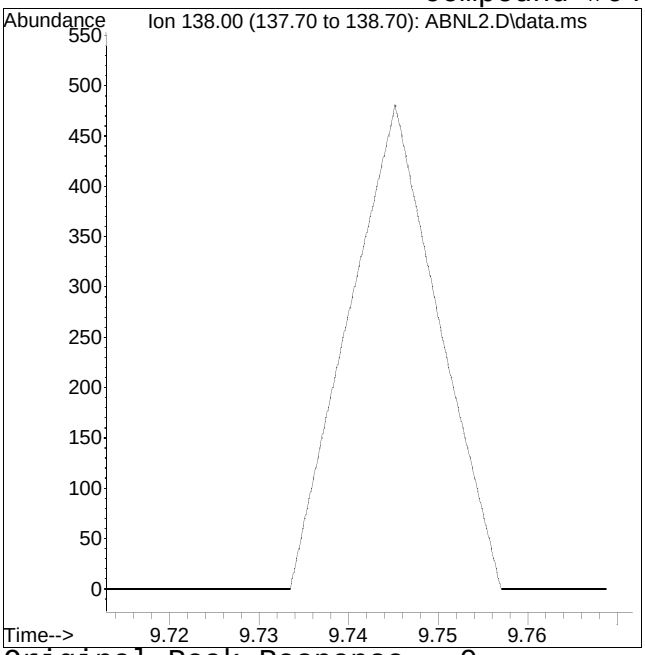
Manual Peak Response = 114 M2

M2 = Peak not found by automatic integration algorithm.

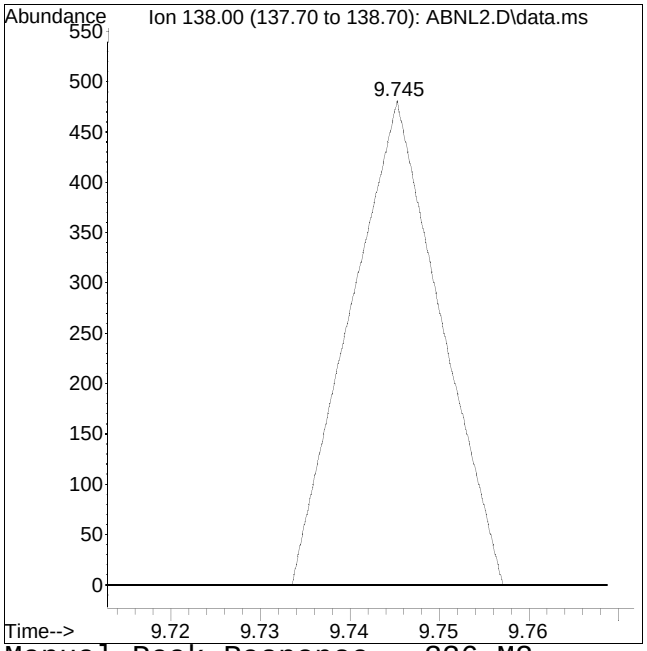
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0



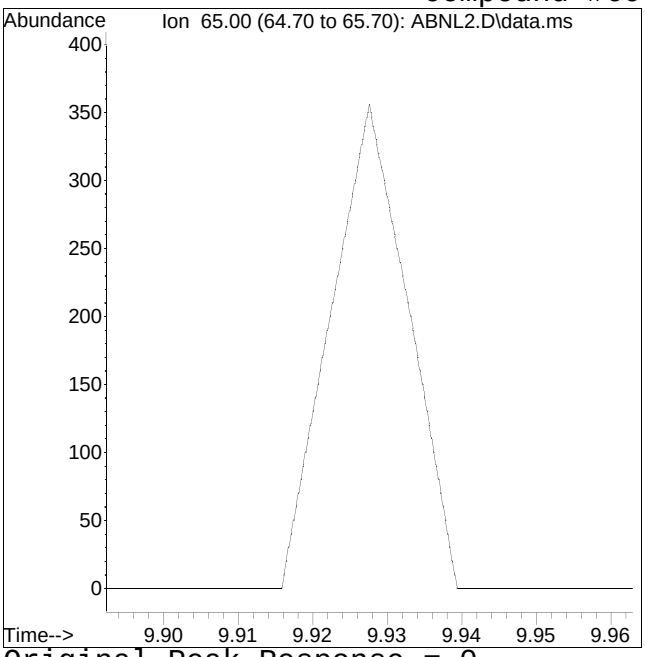
Manual Peak Response = 336 M2

M2 = Peak not found by automatic integration algorithm.

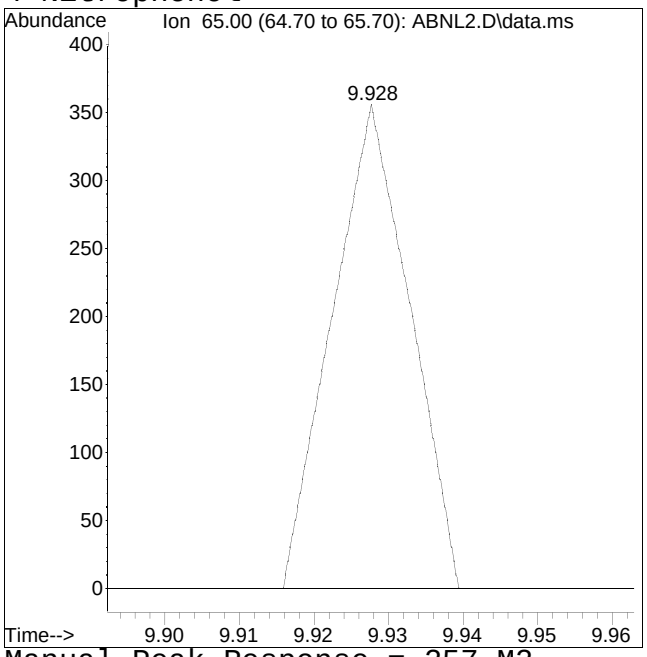
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



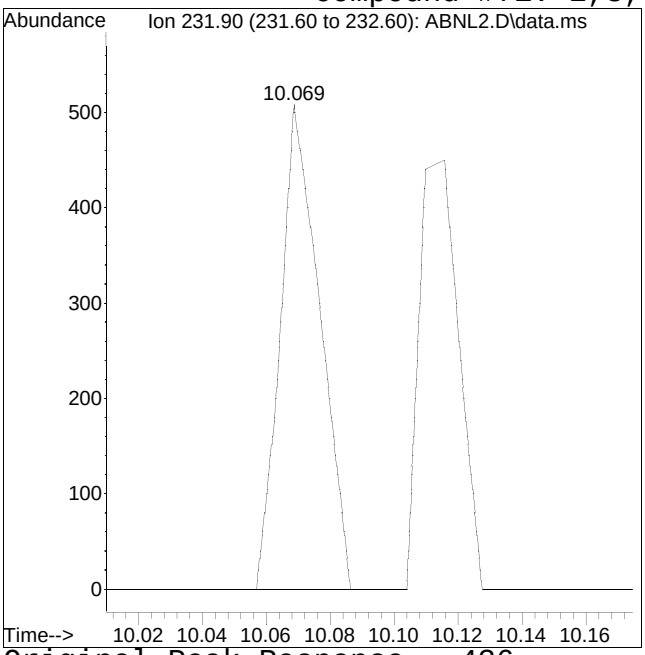
Manual Peak Response = 257 M2

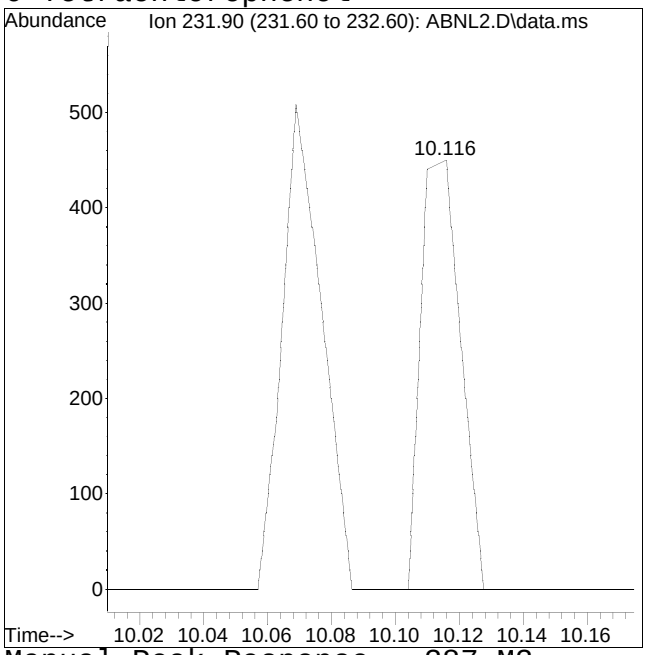
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #71: 2,3,4,6-Tetrachlorophenol





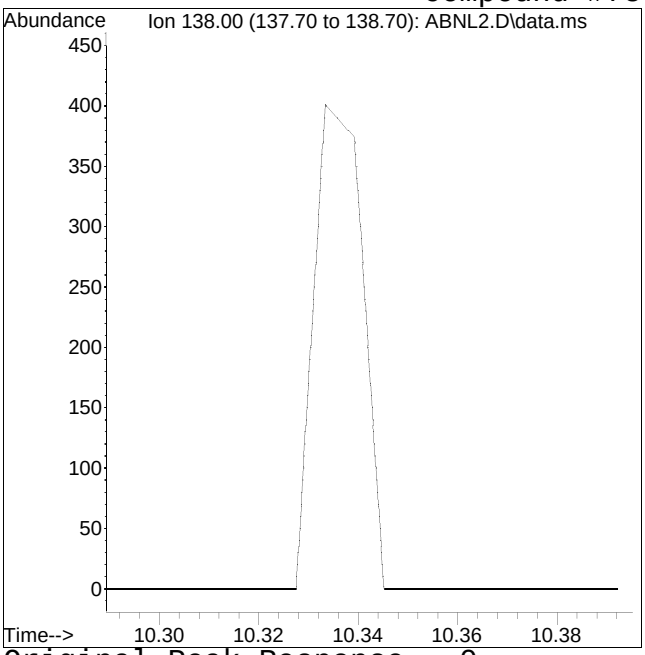
Original Peak Response = 436 Manual Peak Response = 387 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

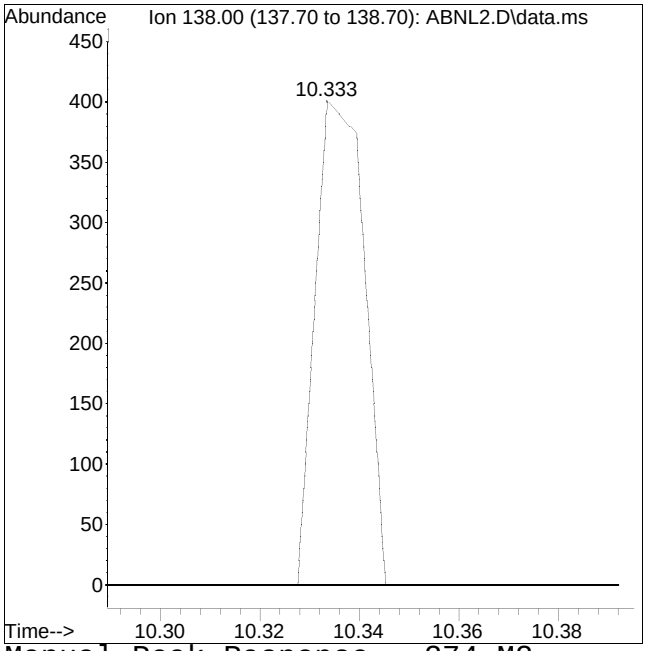
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



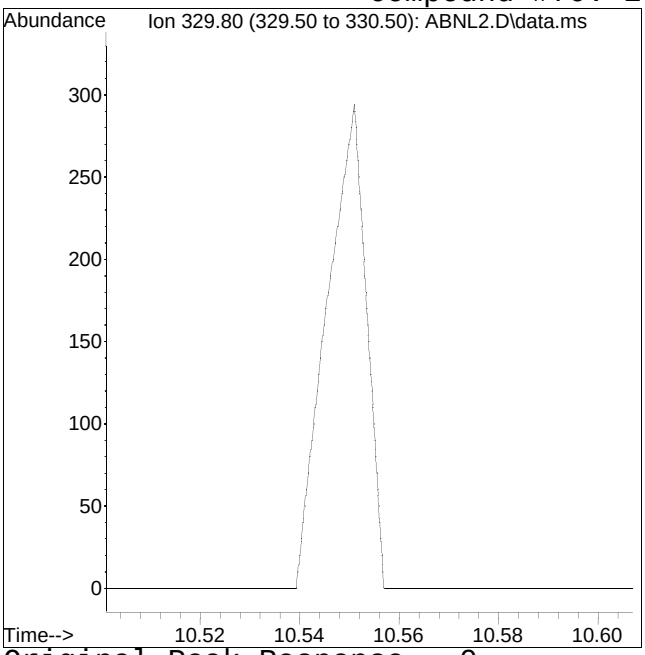
Manual Peak Response = 274 M2

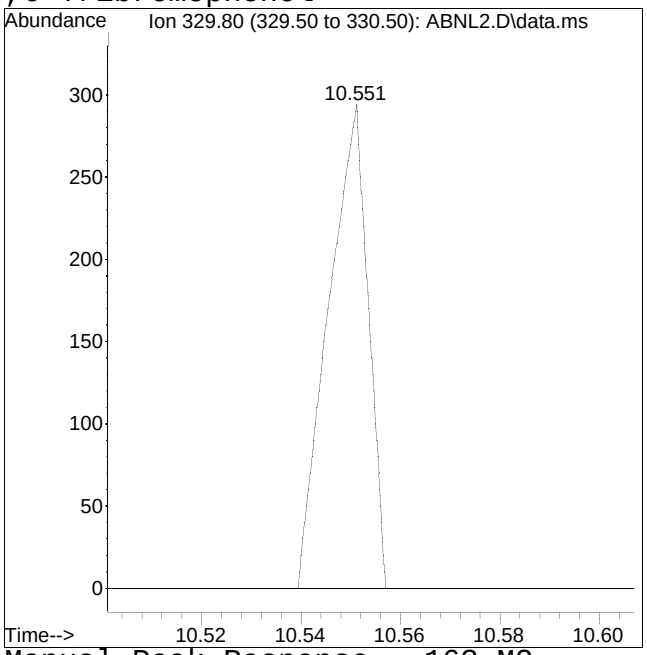
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #79: 2,4,6-Tribromophenol



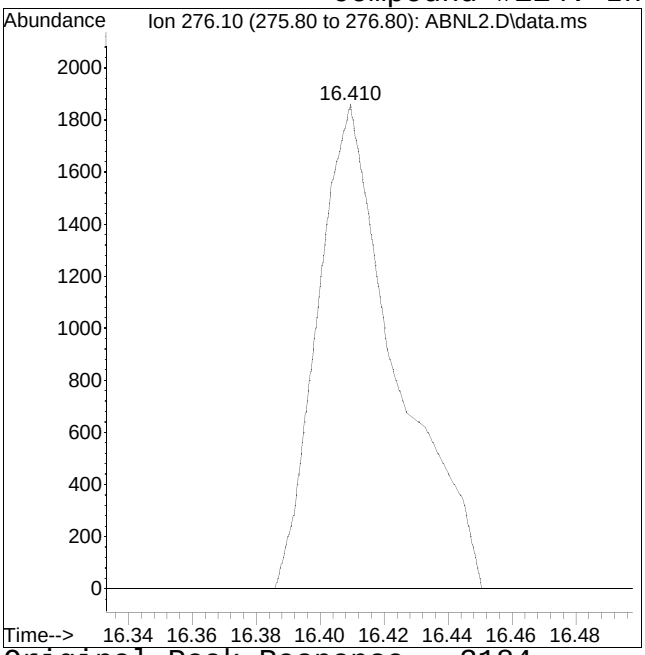


Original Peak Response = 0 Manual Peak Response = 163 M2
M2 = Peak not found by automatic integration algorithm.

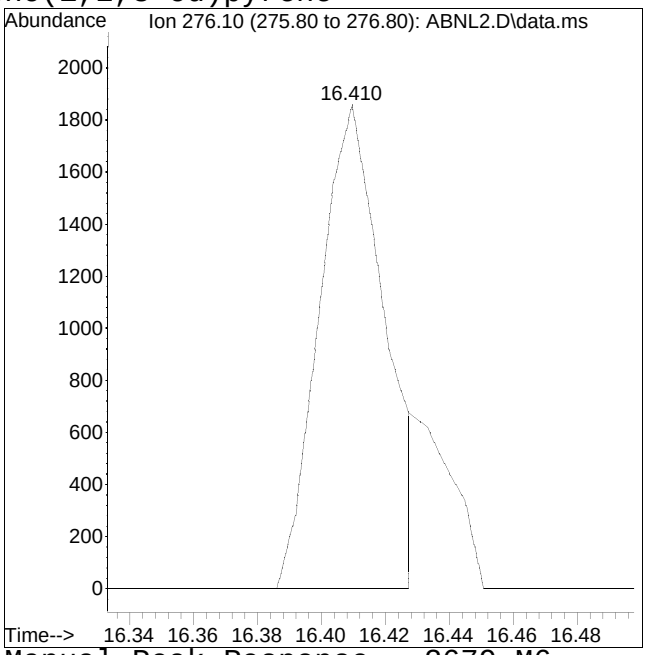
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL2.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:24 pm Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 10785 Quant Date : 7/31/2024 5:13 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3184



Manual Peak Response = 2679 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL1.D
Acq On : 30 Jul 2024 10:50 pm
Operator : SV107:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1954578,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 31 17:11:41 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:12:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.610	152	14719	4.000 ug/ml	0.00
Standard Area 1 = 14527			Recovery =	101.32%	
35) IS1_Naphthalene-d8	8.016	136	53075	4.000 ug/ml	0.00
Standard Area 1 = 53319			Recovery =	99.54%	
63) IS1_Acenaphthene-d10	9.780	164	31074	4.000 ug/ml	0.00
Standard Area 1 = 30073			Recovery =	103.33%	
88) IS1_Phenanthrene-d10	11.222	188	63672	4.000 ug/ml	0.00
Standard Area 1 = 55264			Recovery =	115.21%	
104) IS1_Chrysene-d12	13.886	240	54206	4.000 ug/ml	0.00
Standard Area 1 = 49010			Recovery =	110.60%	
113) IS1_Perylene-d12	15.380	264	53317	4.000 ug/ml	0.00
Standard Area 1 = 53266			Recovery =	100.10%	
System Monitoring Compounds					
4) 2-Fluorophenol	4.804	112	255M2	0.067 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	3.35%#	
7) Phenol-d6	6.234	99	460	0.088 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.40%#	
19) Nitrobenzene-d5	7.257	82	523	0.104 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.40%#	
46) 2-Fluorobiphenyl	9.133	172	1290	0.108 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	10.80%#	
79) 2,4,6-Tribromophenol	0.000	330	0	0.000 ug/ml	
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.00%#	
96) 4-Terphenyl-d14	12.816	244	1494	0.099 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.90%#	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.387	74	143M2	0.058 ug/ml	
3) Pyridine	0.000		0	N.D.	
5) Aniline	6.210	93	622	0.096 ug/ml#	41
6) 2-Chlorophenol	6.351	128	456	0.096 ug/ml#	30
8) Phenol	6.251	94	561	0.097 ug/ml#	37
9) Bis(2-chloroethyl)ether	6.334	93	491	0.107 ug/ml#	74
10) 1,3-Dichlorobenzene	6.534	146	598	0.102 ug/ml#	24
11) 1,4-Dichlorobenzene	6.628	146	581	0.099 ug/ml#	25
12) 1,2-Dichlorobenzene	6.804	146	549	0.096 ug/ml#	24
13) Benzyl alcohol	6.810	79	322M2	0.088 ug/ml	

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL1.D
Acq On : 30 Jul 2024 10:50 pm
Operator : SV107:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1954578,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 31 17:11:41 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:12:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	6.981	45	583	0.098	ug/ml#	72
15) 2-Methylphenol	6.969	108	392M2	0.095	ug/ml	
16) Hexachloroethane	7.192	117	160M2	0.077	ug/ml	
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	7.151	108	359M2	0.081	ug/ml	
20) Nitrobenzene	7.275	77	457	0.095	ug/ml#	39
21) Isophorone	7.551	82	842	0.098	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	7.716	107	290M2	0.075	ug/ml	
24) Bis(2-chloroethoxy)met...	7.816	93	652	0.112	ug/ml#	50
25) 2,4-Dichlorophenol	7.886	162	288M2	0.069	ug/ml	
26) 1,2,4-Trichlorobenzene	7.969	180	510	0.099	ug/ml#	77
36) Naphthalene	8.039	128	1758	0.117	ug/ml#	62
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.116	65	140M2	0.083	ug/ml	
39) Hexachlorobutadiene	8.204	225	274M2	0.092	ug/ml	
40) p-Chloro-m-cresol	8.633	107	288M2	0.077	ug/ml	
41) 2-Methylnaphthalene	8.751	142	1095	0.112	ug/ml#	82
42) 1-Methylnaphthalene	8.851	115	281M2	0.089	ug/ml	
43) Hexachlorocyclopentadiene	8.928	237	217M2	0.077	ug/ml	
44) 2,4,6-Trichlorophenol	9.051	196	222M2	0.071	ug/ml	
45) 2,4,5-Trichlorophenol	9.081	196	226M2	0.068	ug/ml	
47) 2-Chloronaphthalene	9.233	162	1138	0.112	ug/ml#	38
48) 2-Nitroaniline	9.345	138	152M2	0.056	ug/ml	
49) 1,4-Dinitrobenzene	0.000		0	N.D.		
50) 1,3-Dinitrobenzene	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
52) Acenaphthylene	9.633	152	1514	0.101	ug/ml#	61
53) 2,6-Dinitrotoluene	9.586	165	75M2	0.033	ug/ml	
54) 1,2-Dinitrobenzene	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	9.810	154	946	0.107	ug/ml	84
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	9.980	168	1771	0.121	ug/ml#	87
68) 2,4-Dinitrotoluene	9.980	165	146M2	0.046	ug/ml	
69) 4-Nitrophenol	0.000		0	N.D.		
70) 2,3,5,6-Tetrachlorophenol	10.069	232	153M2	0.058	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	10.110	232	156M2	0.062	ug/ml	
72) Diethyl phthalate	10.239	149	1068	0.104	ug/ml#	61
73) Fluorene	10.316	166	1131	0.104	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL1.D
Acq On : 30 Jul 2024 10:50 pm
Operator : SV107:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1954578,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 31 17:11:41 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:12:55 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	10.333	204	621	0.112	ug/ml#	25
75) 4-Nitroaniline	10.333	138	119M2	0.048	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	10.445	169	810	0.089	ug/ml#	73
78) Azobenzene	10.480	77	903	0.095	ug/ml#	56
80) 4-Bromophenyl phenyl e...	10.804	248	315M2	0.105	ug/ml	
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	11.245	178	2089	0.114	ug/ml#	60
90) Anthracene	11.292	178	1759	0.101	ug/ml#	61
91) Carbazole	11.463	167	1439	0.091	ug/ml#	59
92) Di-n-butylphthalate	11.845	149	1500	0.086	ug/ml#	79
93) Fluoranthene	12.410	202	2019	0.101	ug/ml#	61
94) Benzidine	0.000		0	N.D.	d	
95) Pyrene	12.627	202	2274	0.104	ug/ml#	79
97) Butyl benzyl phthalate	13.339	149	462	0.062	ug/ml#	19
105) Benzo(a)anthracene	13.880	228	2191	0.111	ug/ml#	76
106) 3,3'-Dichlorobenzidine	13.874	252	403	0.068	ug/ml#	27
107) Chrysene	13.916	228	2436	0.128	ug/ml#	82
108) Bis(2-ethylhexyl)phtha...	13.986	149	660	0.073	ug/ml#	52
109) Di-n-octylphthalate	0.000		0	N.D.	d	
110) Benzo(b)fluoranthene	15.004	252	1604	0.095	ug/ml#	58
111) Benzo(k)fluoranthene	15.027	252	1459	0.086	ug/ml#	58
112) Benzo(a)pyrene	15.321	252	1259	0.084	ug/ml#	57
114) Indeno(1,2,3-cd)pyrene	16.404	276	1194M6	0.082	ug/mL	
115) Dibenzo(a,h)anthracene	16.433	278	1147	0.082	ug/ml#	51
116) Benzo(ghi)perylene	16.680	276	1276	0.098	ug/ml#	44

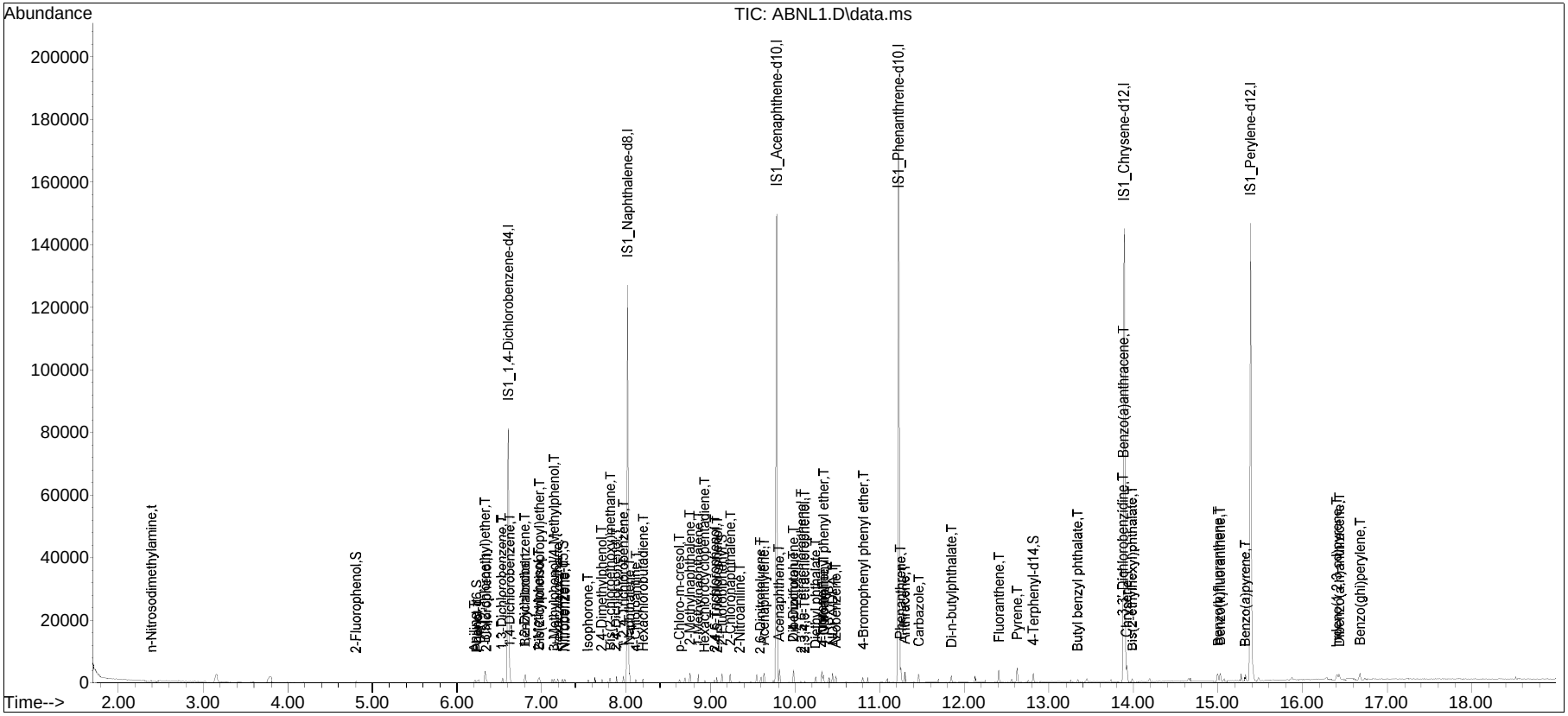
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNL1.D
Acq On : 30 Jul 2024 10:50 pm
Operator : SV107:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1954578,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 31 17:11:41 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:12:55 2024
Response via : Initial Calibration

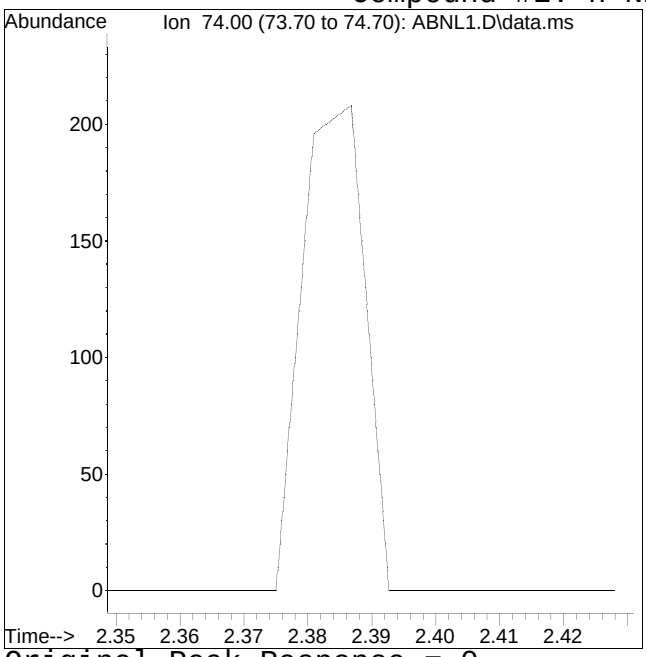
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



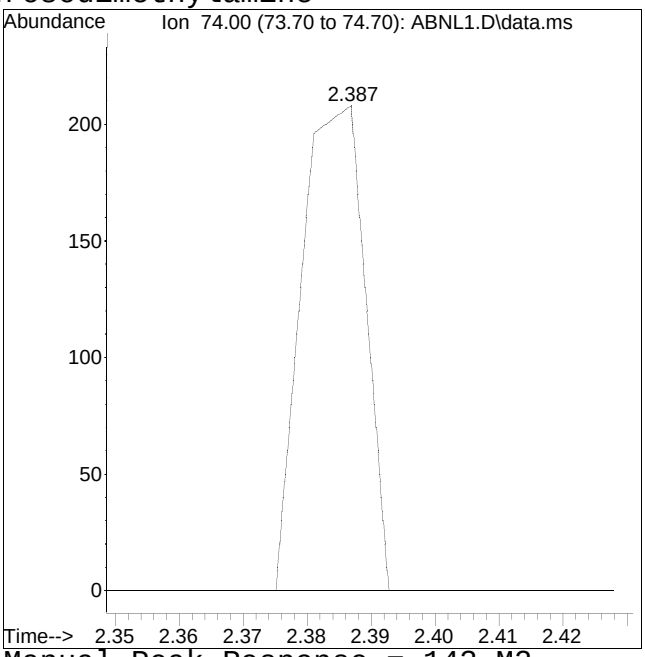
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



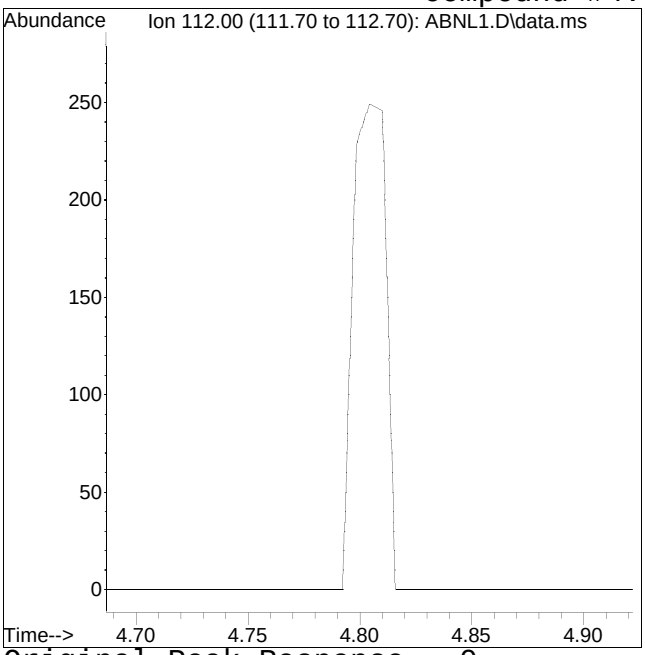
Manual Peak Response = 143 M2

M2 = Peak not found by automatic integration algorithm.

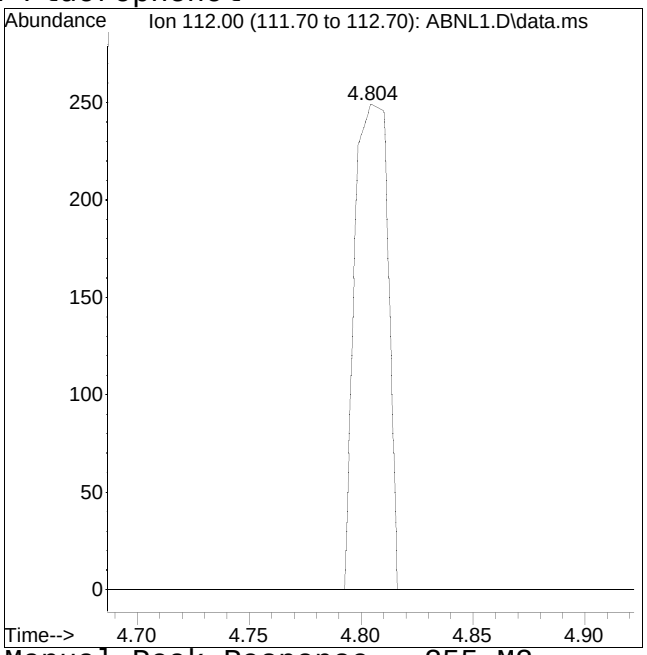
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #4: 2-Fluorophenol



Original Peak Response = 0



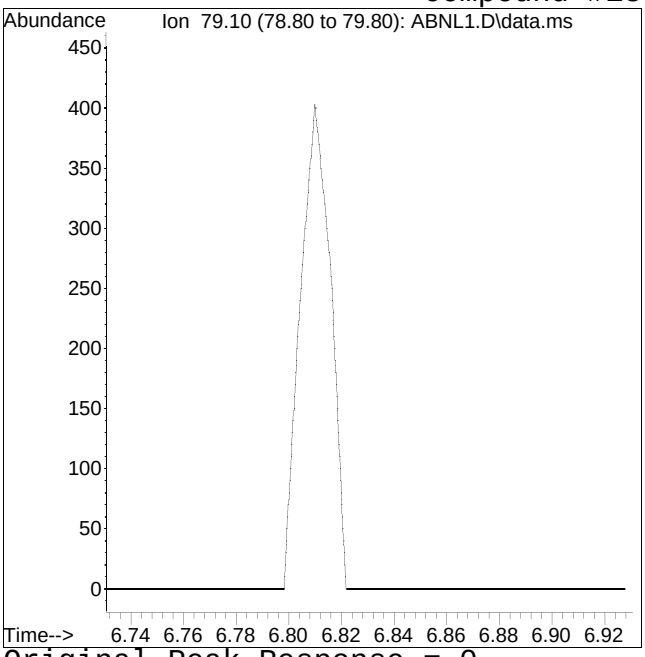
Manual Peak Response = 255 M2

M2 = Peak not found by automatic integration algorithm.

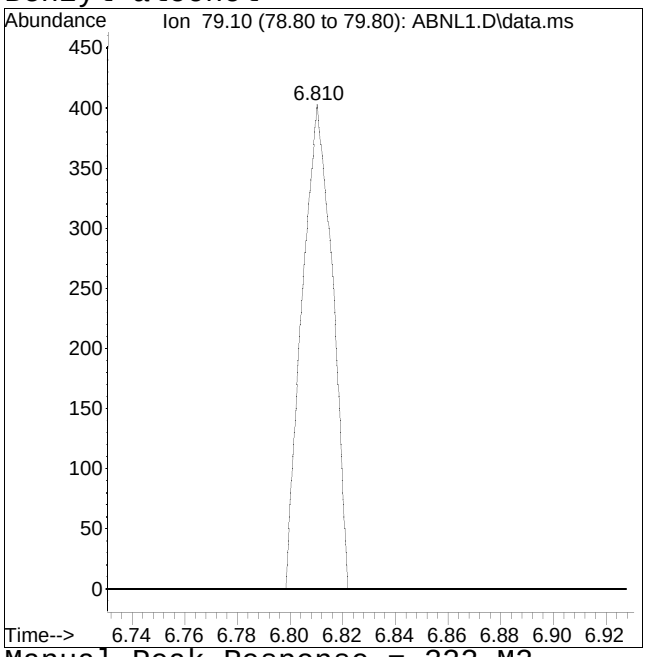
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #13: Benzyl alcohol



Original Peak Response = 0



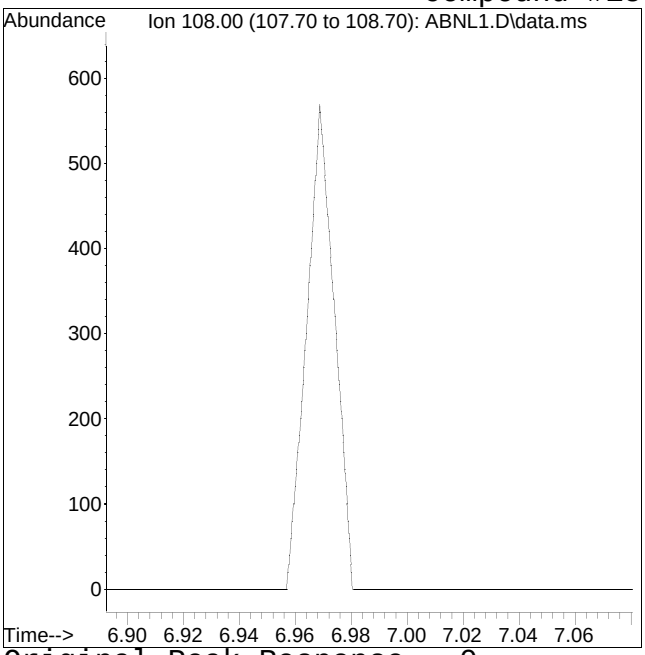
Manual Peak Response = 322 M2

M2 = Peak not found by automatic integration algorithm.

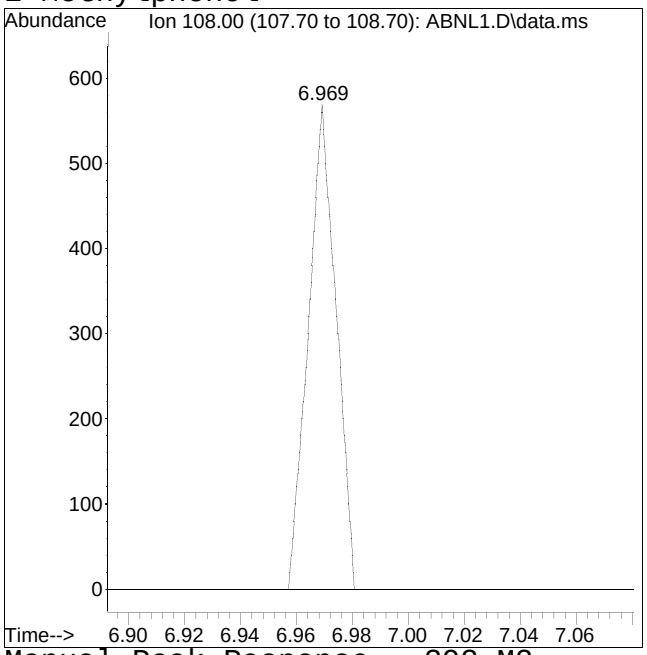
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #15: 2-Methylphenol



Original Peak Response = 0



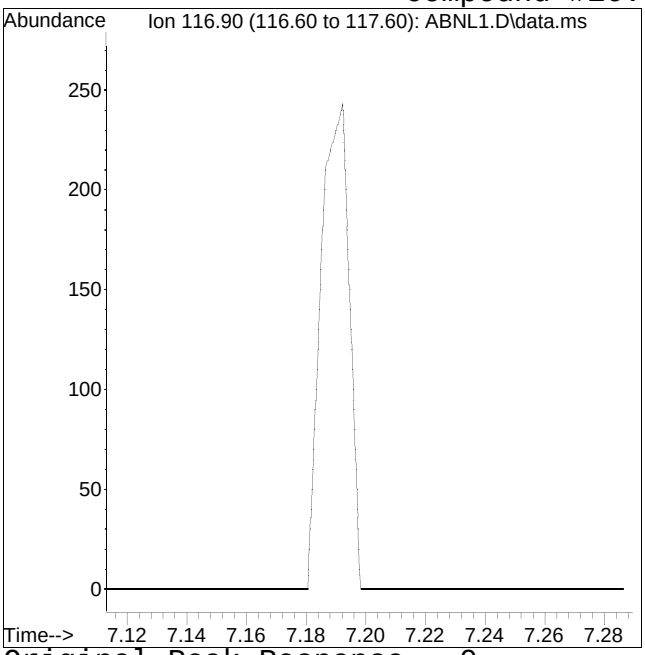
Manual Peak Response = 392 M2

M2 = Peak not found by automatic integration algorithm.

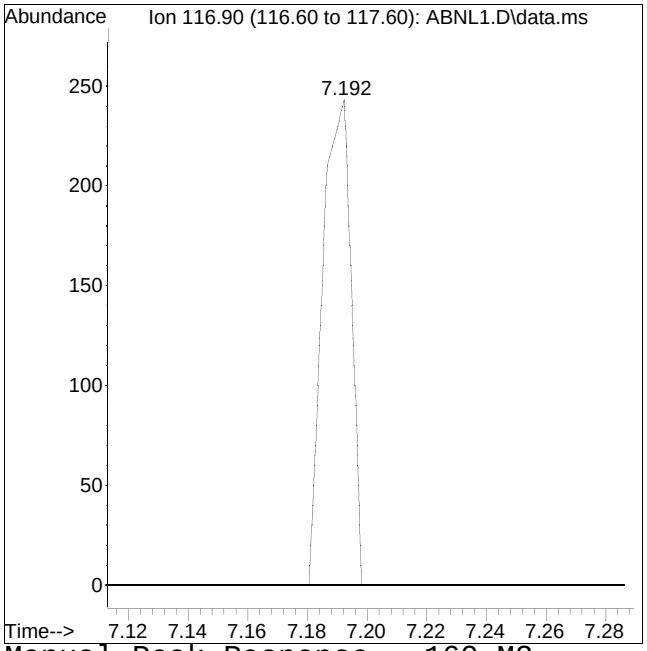
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #16: Hexachloroethane



Original Peak Response = 0



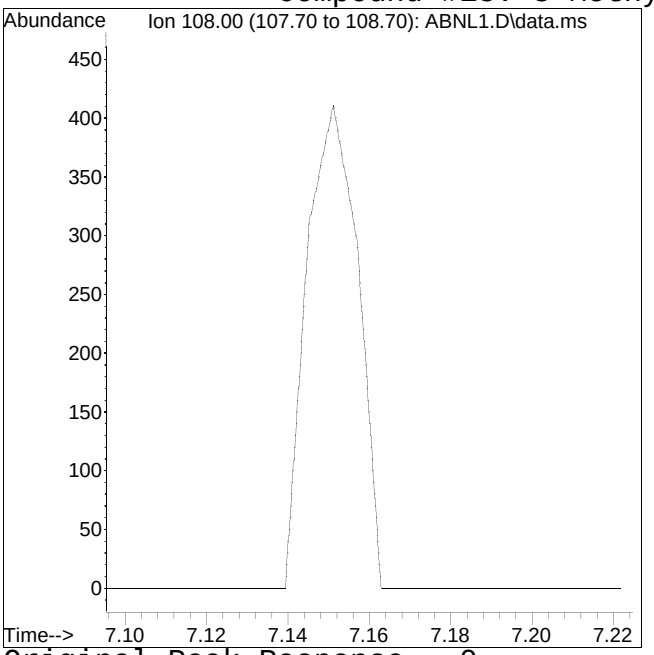
Manual Peak Response = 160 M2

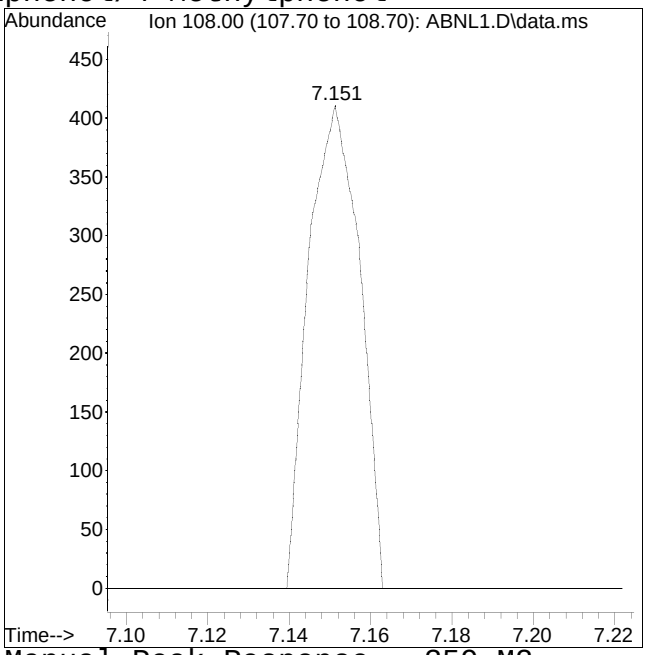
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #18: 3-Methylphenol/4-Methylphenol



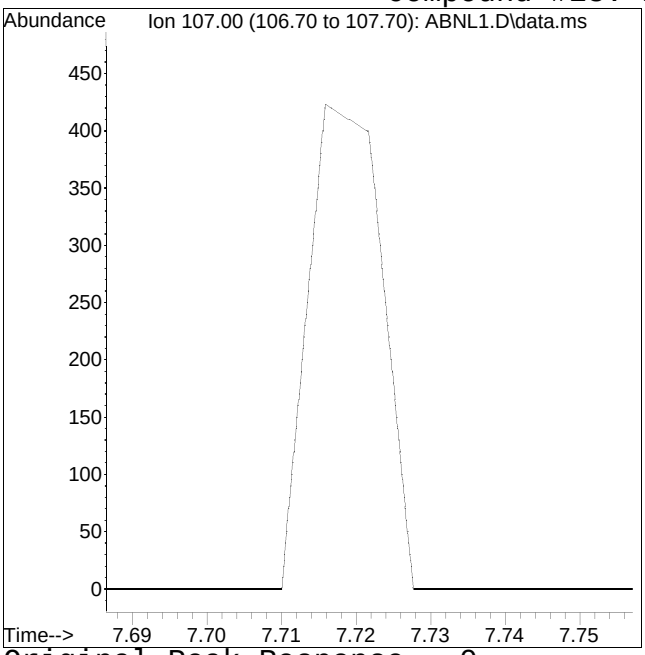


Original Peak Response = 0 Manual Peak Response = 359 M2
M2 = Peak not found by automatic integration algorithm.

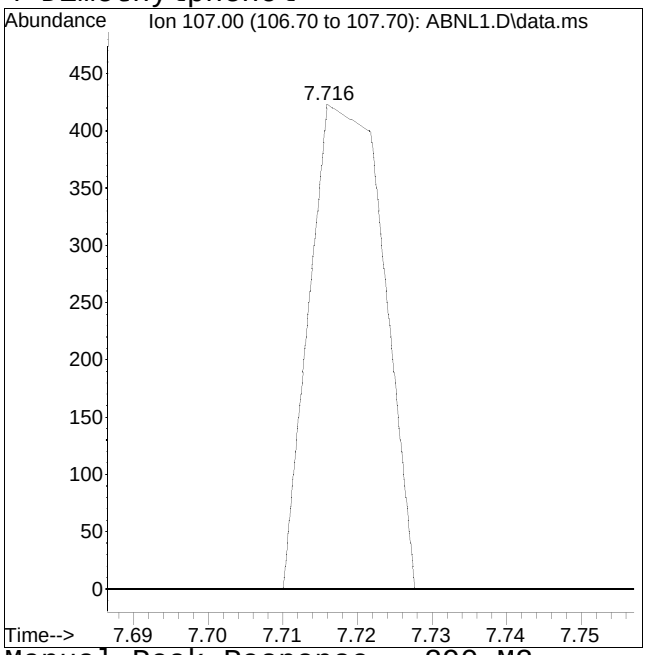
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #23: 2,4-Dimethylphenol



Original Peak Response = 0



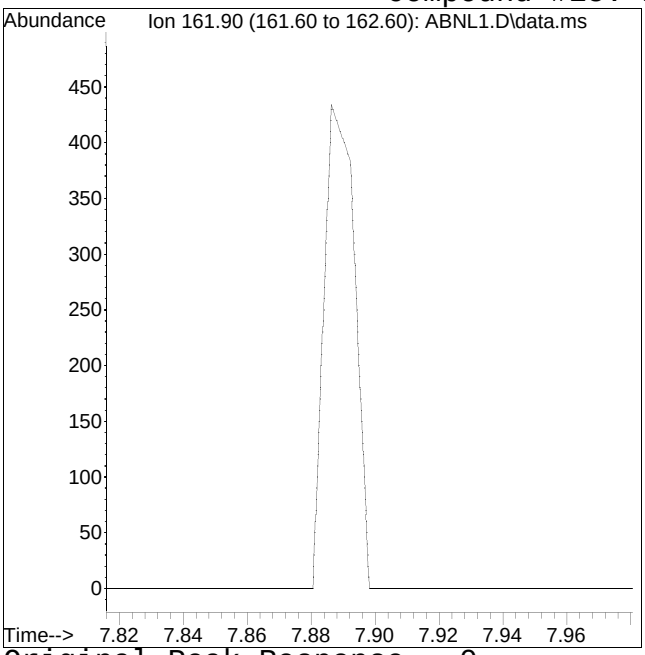
Manual Peak Response = 290 M2

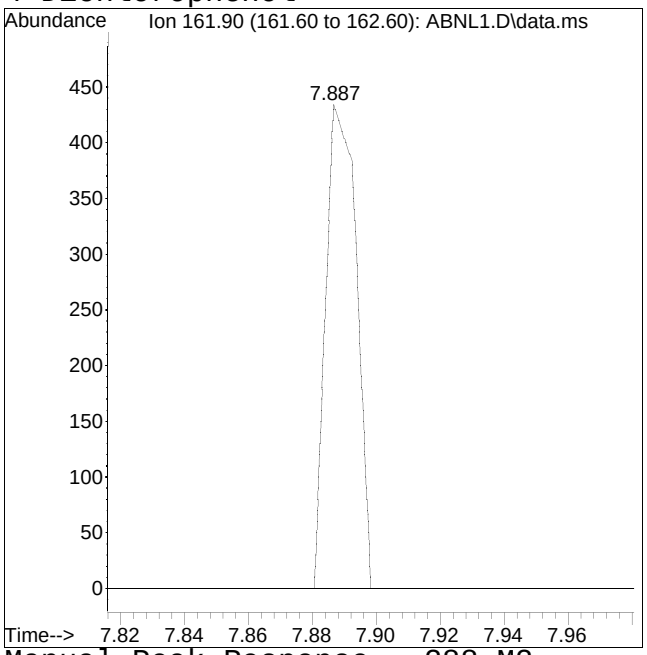
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #25: 2,4-Dichlorophenol



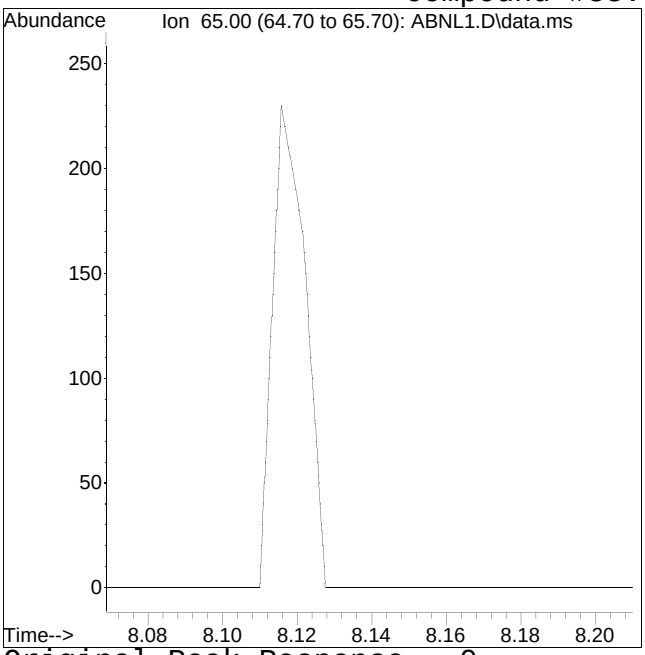


Original Peak Response = 0 Manual Peak Response = 288 M2
M2 = Peak not found by automatic integration algorithm.

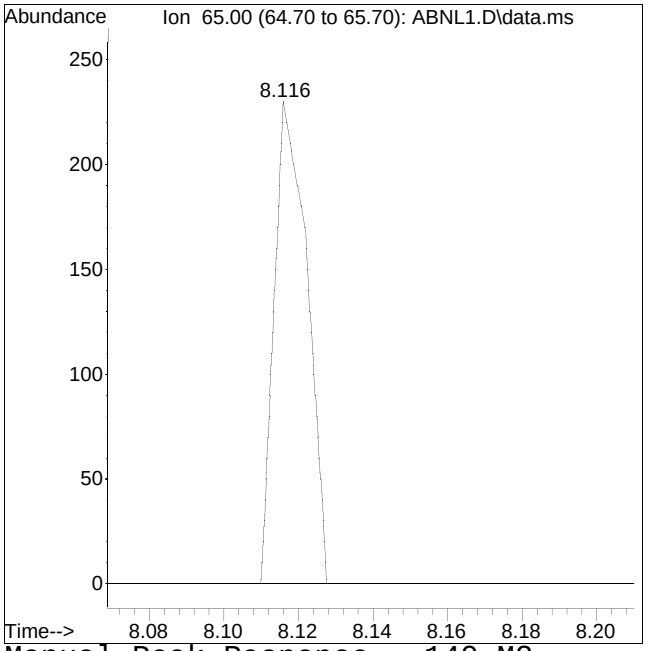
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



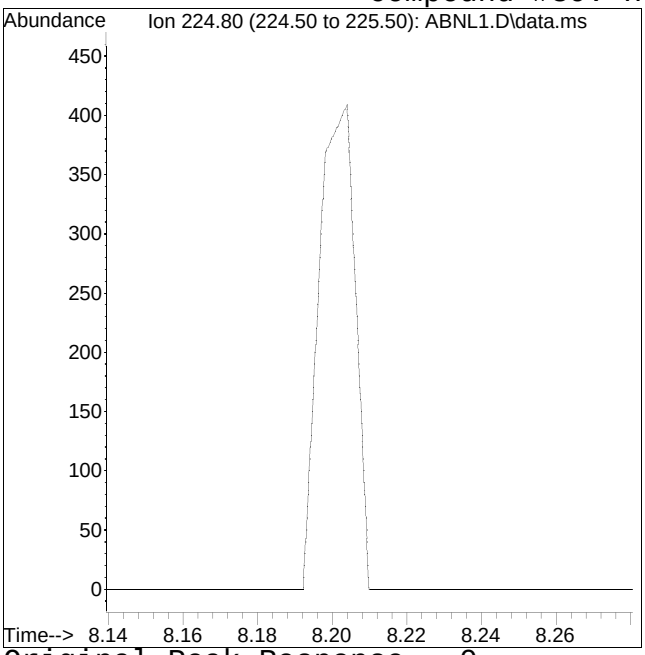
Manual Peak Response = 140 M2

M2 = Peak not found by automatic integration algorithm.

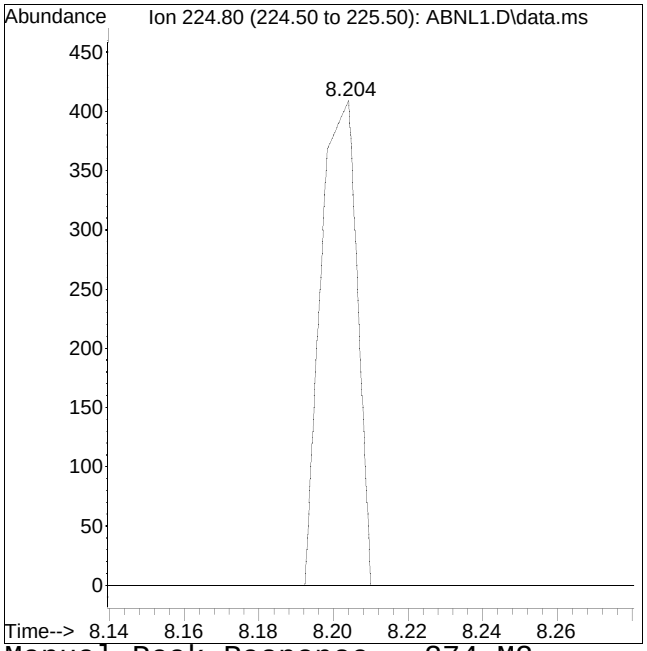
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #39: Hexachlorobutadiene



Original Peak Response = 0



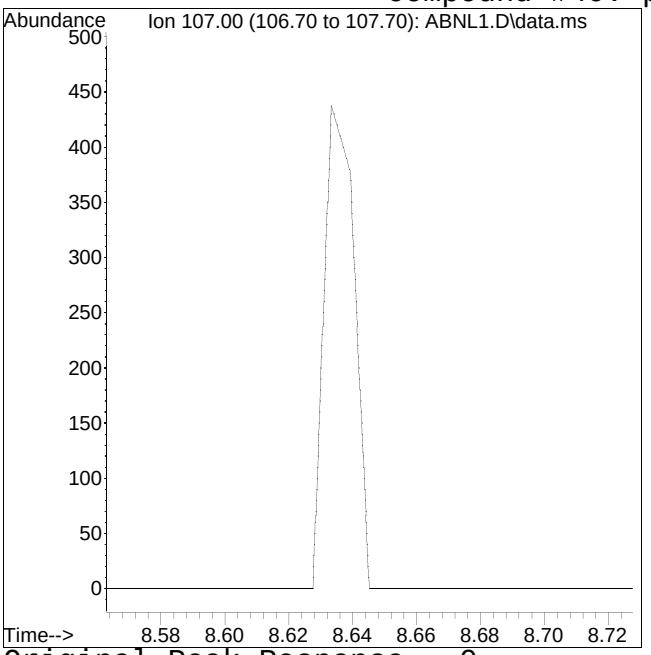
Manual Peak Response = 274 M2

M2 = Peak not found by automatic integration algorithm.

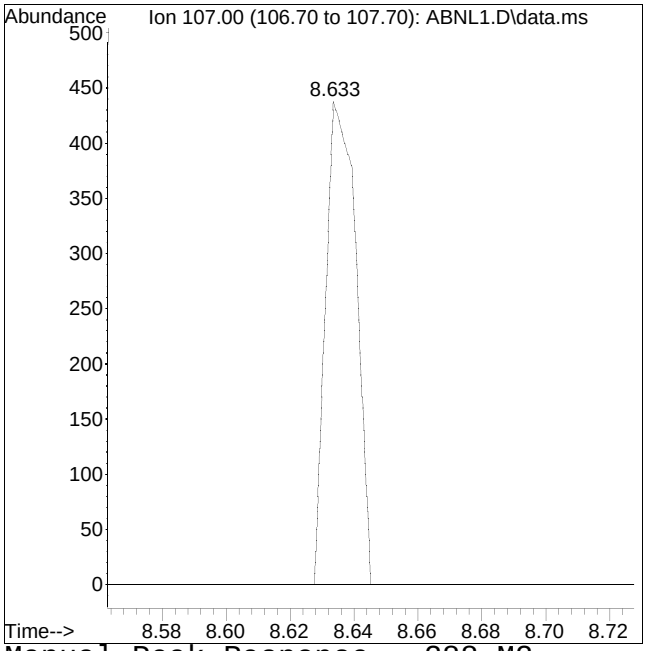
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #40: p-Chloro-m-cresol



Original Peak Response = 0



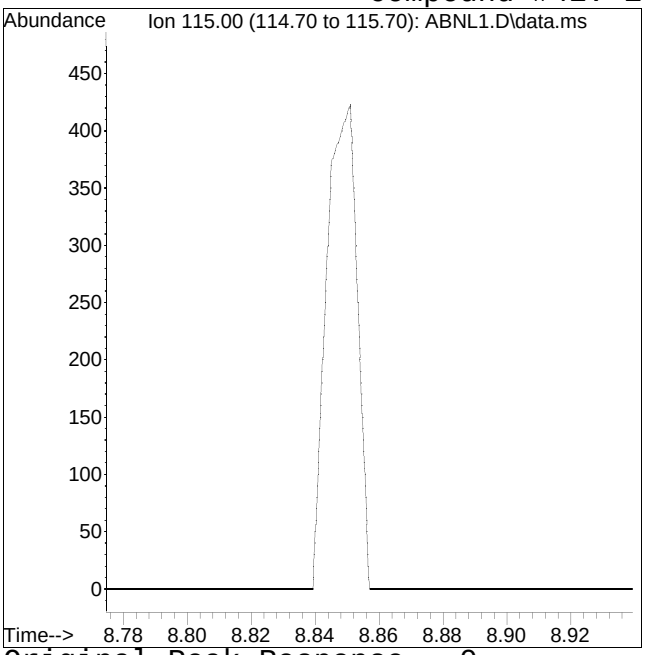
Manual Peak Response = 288 M2

M2 = Peak not found by automatic integration algorithm.

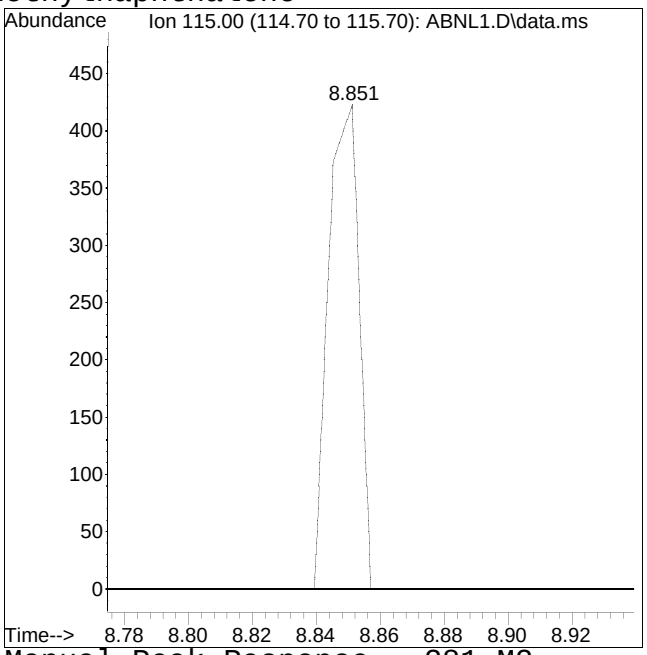
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #42: 1-Methylnaphthalene



Original Peak Response = 0



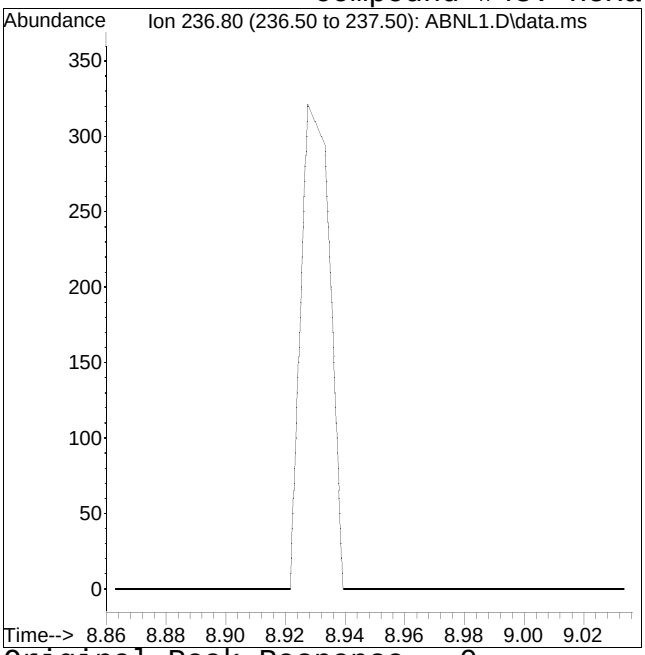
Manual Peak Response = 281 M2

M2 = Peak not found by automatic integration algorithm.

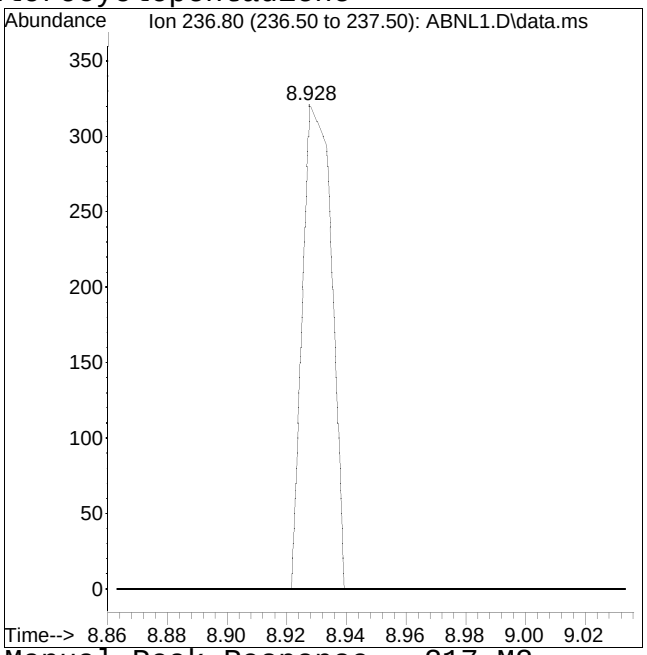
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0



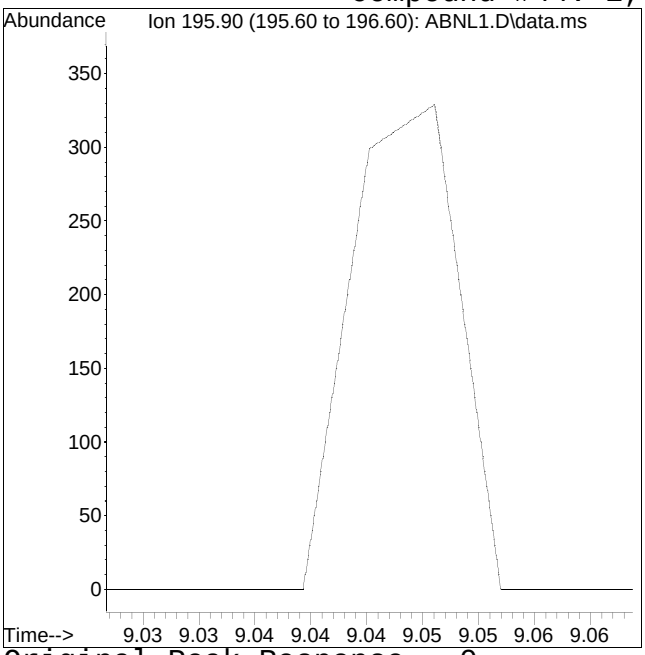
Manual Peak Response = 217 M2

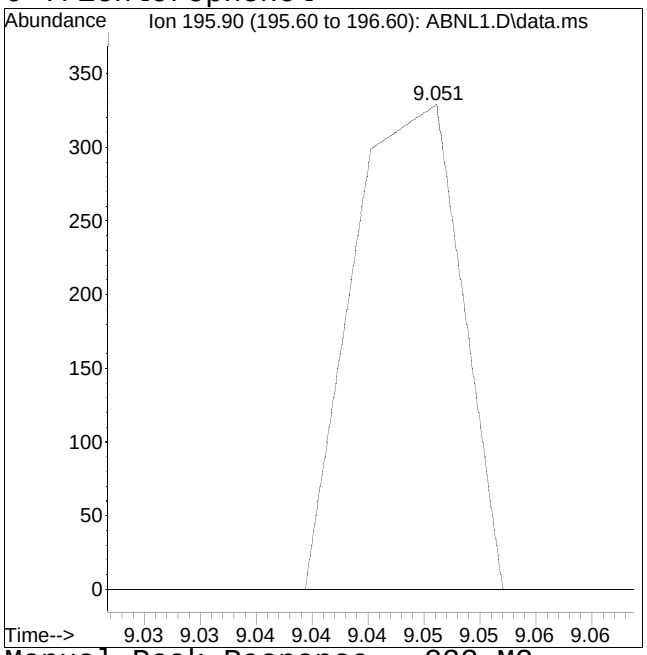
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #44: 2,4,6-Trichlorophenol



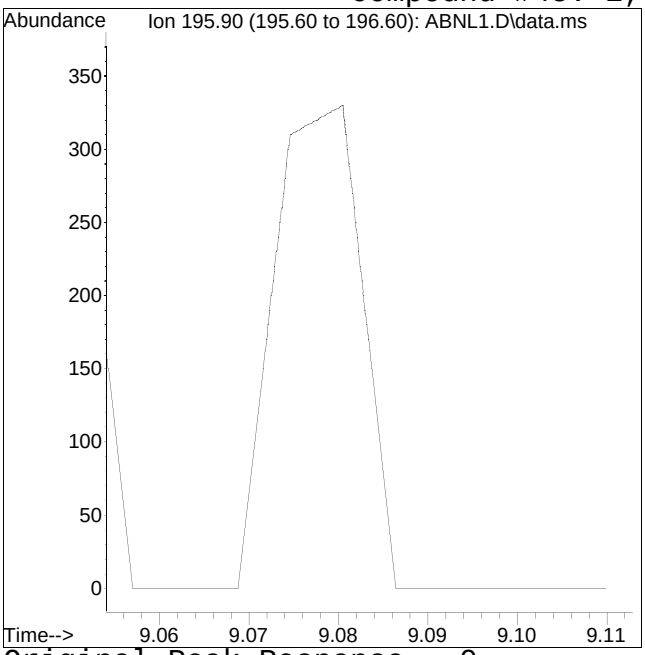


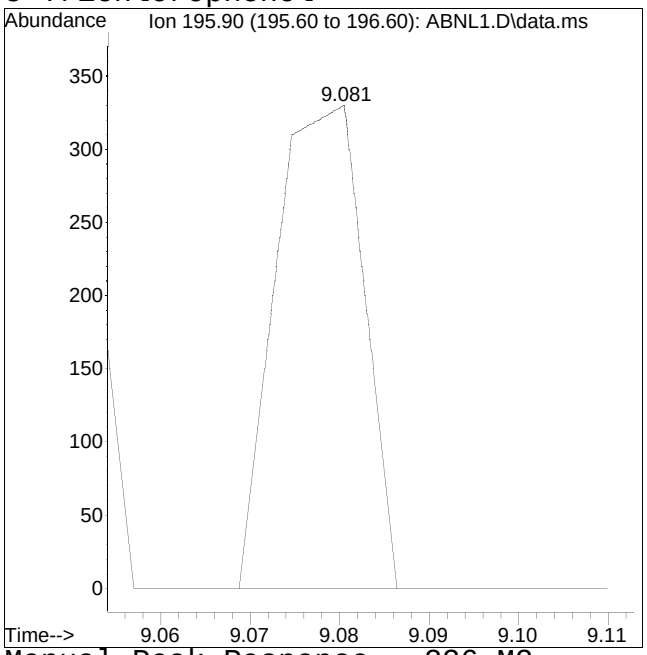
Original Peak Response = 0 Manual Peak Response = 222 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #45: 2,4,5-Trichlorophenol



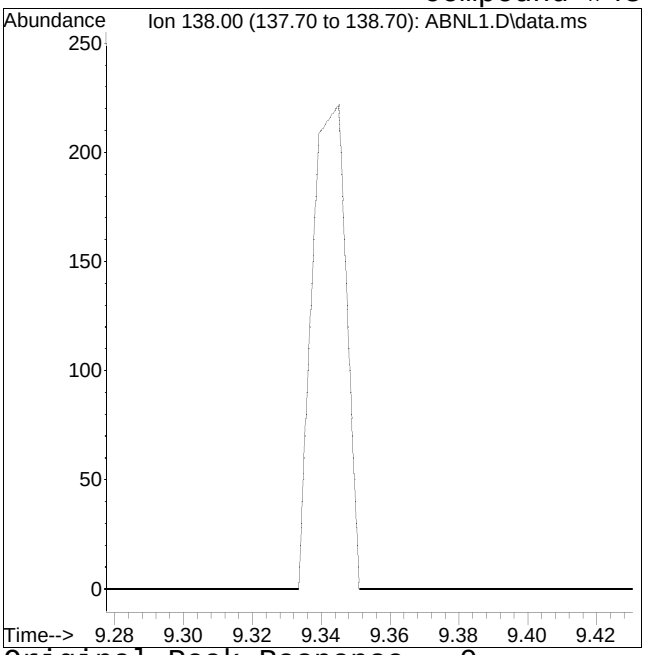


Original Peak Response = 0 Manual Peak Response = 226 M2
M2 = Peak not found by automatic integration algorithm.

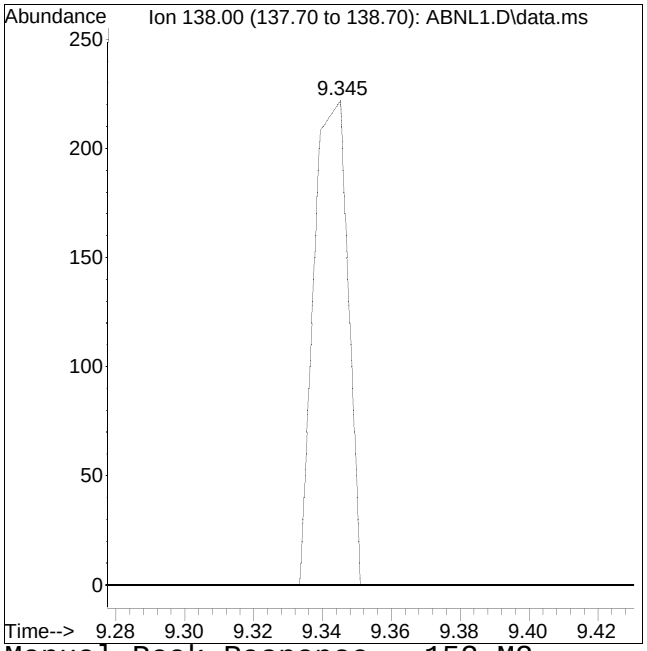
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



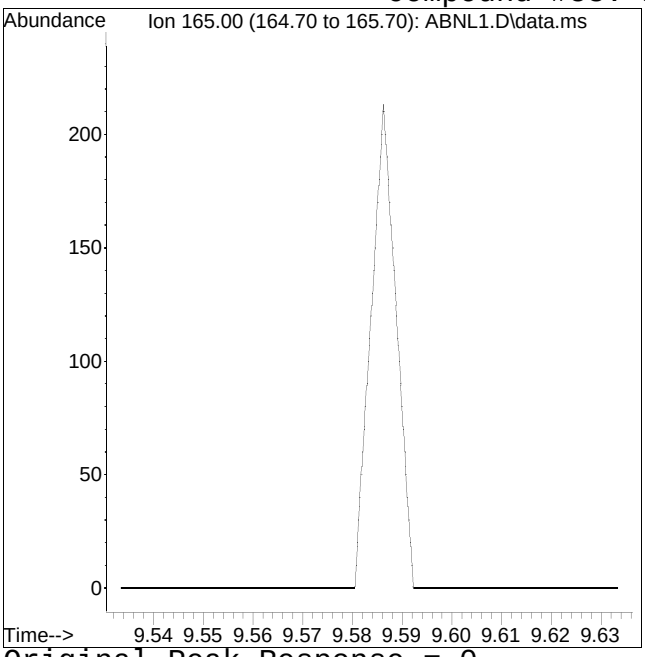
Manual Peak Response = 152 M2

M2 = Peak not found by automatic integration algorithm.

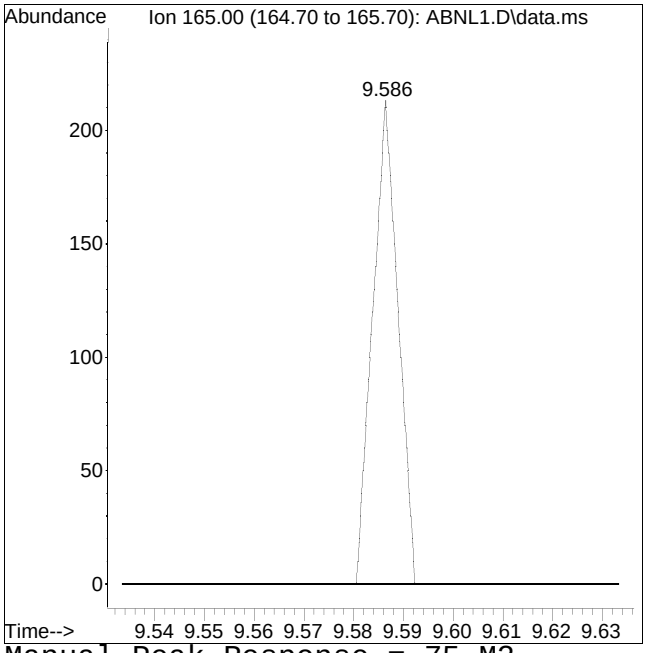
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 0



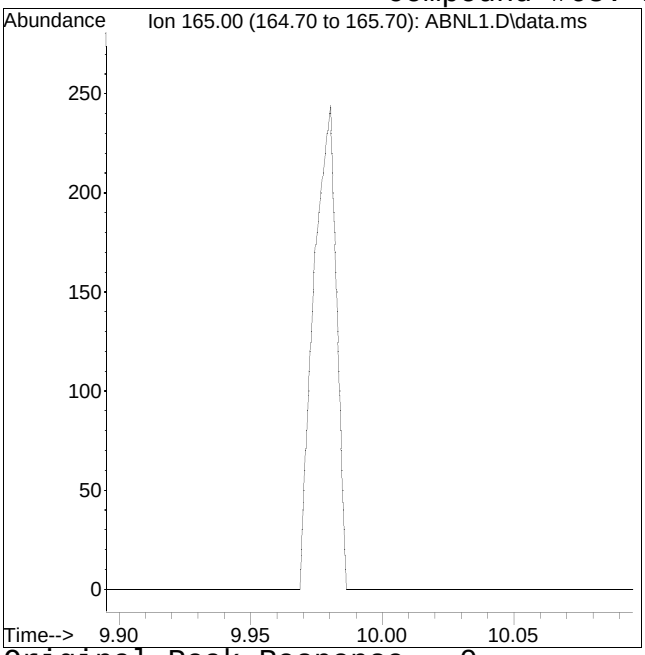
Manual Peak Response = 75 M2

M2 = Peak not found by automatic integration algorithm.

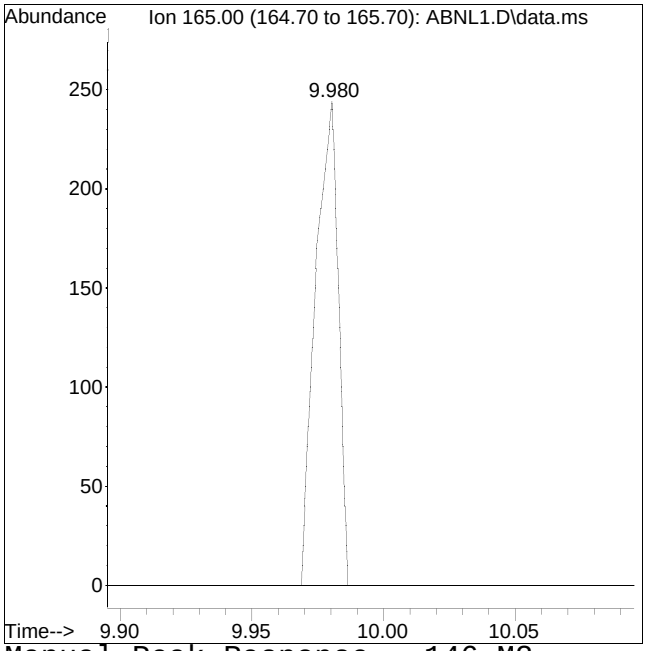
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #68: 2,4-Dinitrotoluene



Original Peak Response = 0



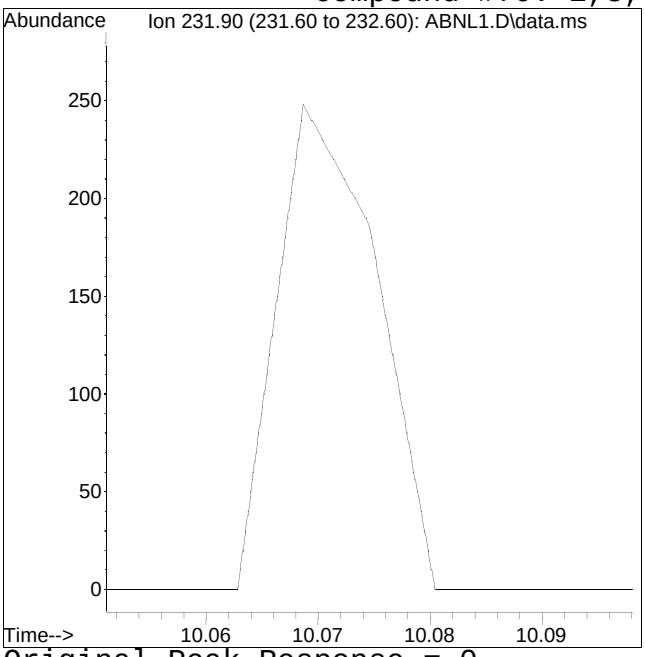
Manual Peak Response = 146 M2

M2 = Peak not found by automatic integration algorithm.

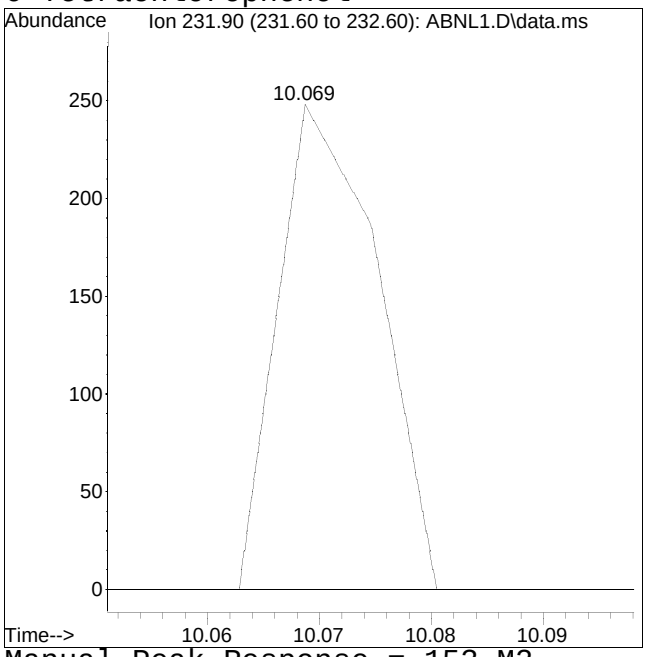
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0



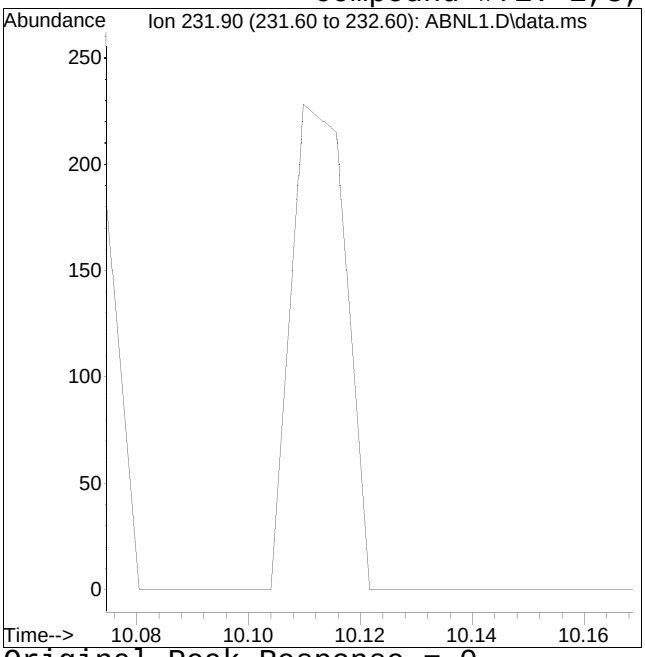
Manual Peak Response = 153 M2

M2 = Peak not found by automatic integration algorithm.

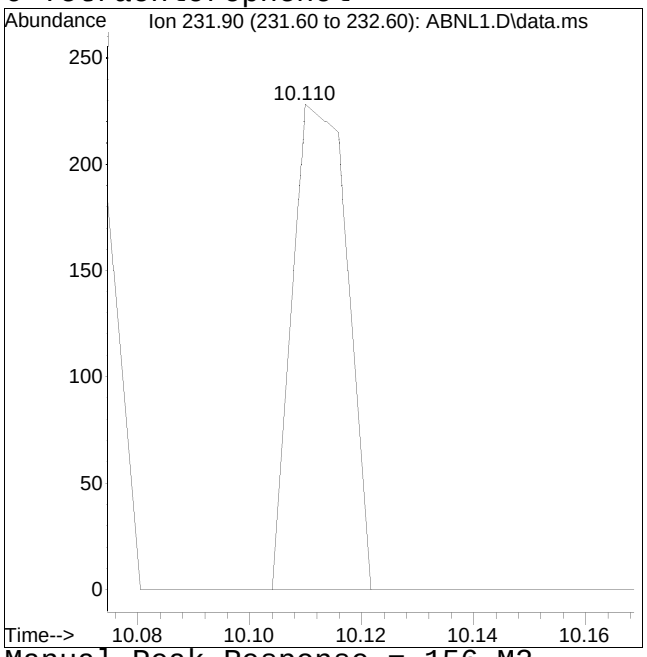
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



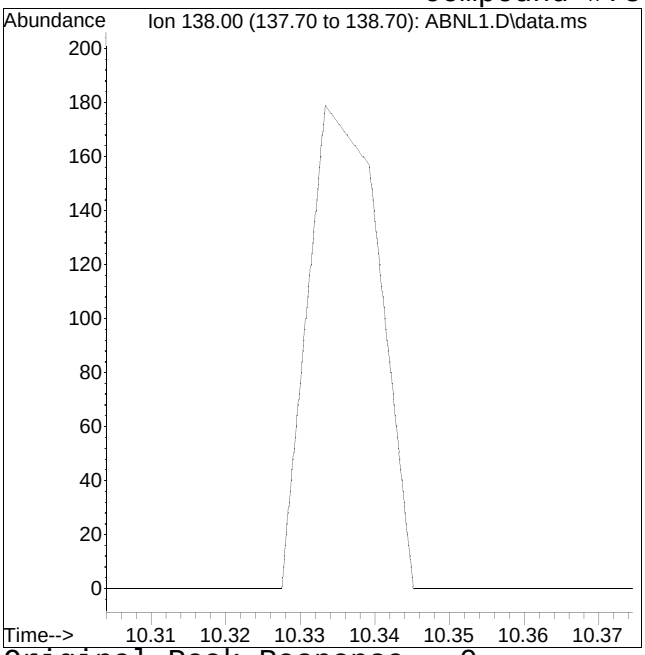
Manual Peak Response = 156 M2

M2 = Peak not found by automatic integration algorithm.

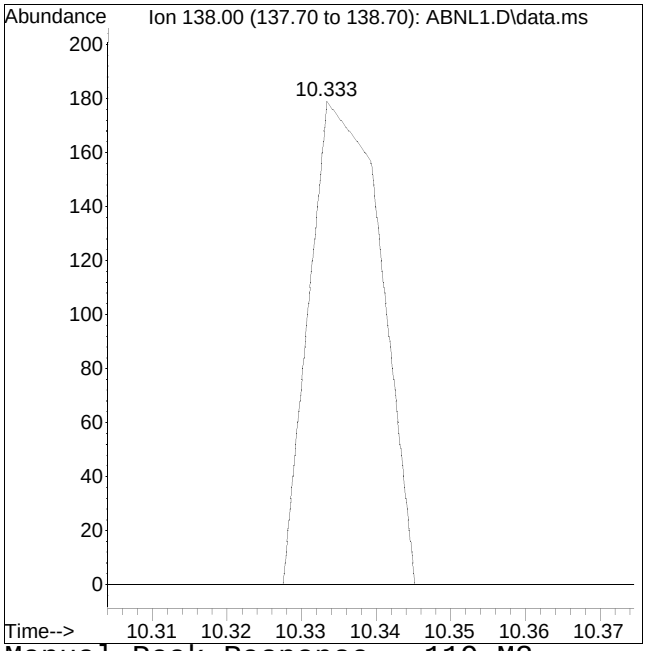
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



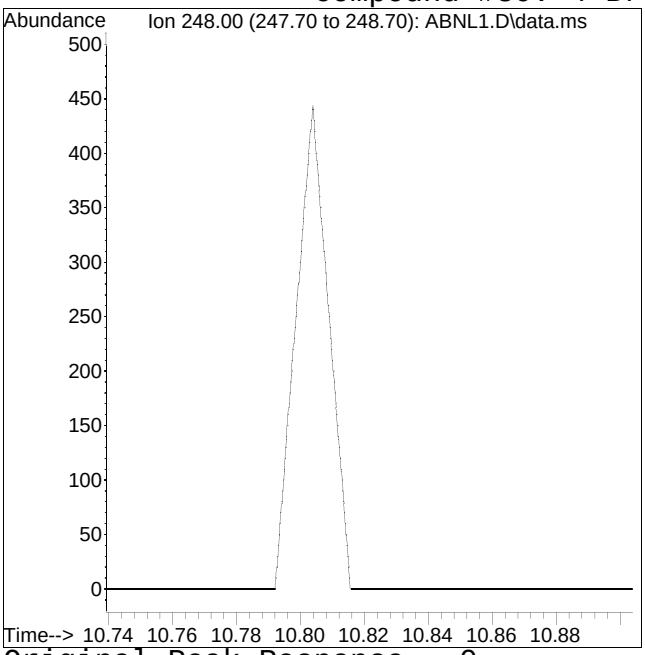
Manual Peak Response = 119 M2

M2 = Peak not found by automatic integration algorithm.

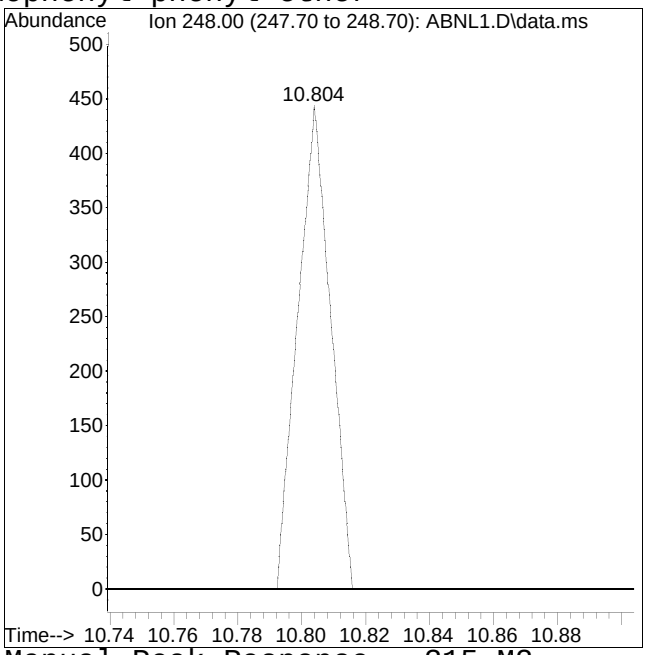
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 0



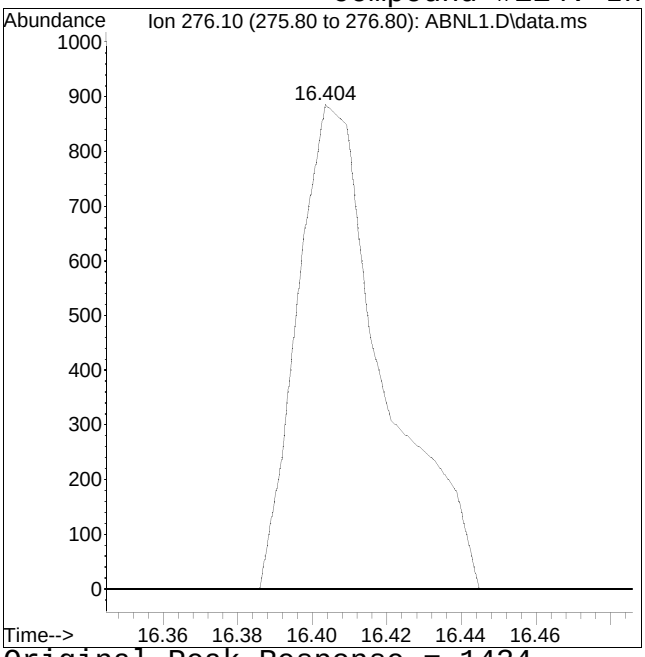
Manual Peak Response = 315 M2

M2 = Peak not found by automatic integration algorithm.

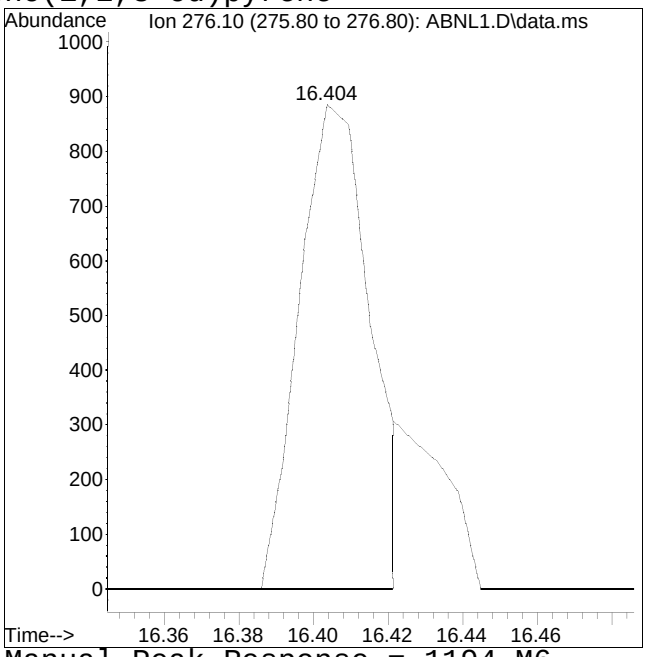
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNL1.D Operator : SV107:cmm
Date Inj'd : 7/30/2024 10:50 pm Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1078 Quant Date : 7/31/2024 5:12 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1434



Manual Peak Response = 1194 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L9.D
Acq On : 30 Jul 2024 11:15 pm
Operator : SV107:cmm
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1954578,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 17:40:53 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:42:06 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	17245	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery =	105.65%			
55) IS2_Naphthalene-d8	8.016	136	65492	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery =	108.60%			
83) IS2_Acenaphthene-d10	9.780	164	39565	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery =	111.96%			
98) IS2_Phenanthrene-d10	11.222	188	78969	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery =	112.97%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.051	105	263634	54.807	ug/ml		93
29) Acetophenone	7.098	105	474702	55.106	ug/ml	#	81
30) m-Toluidine	7.198	106	490609	61.193	ug/ml		96
31) 2-Chloroaniline	7.598	127	444052	58.107	ug/ml	#	93
56) a-Terpineol	8.092	59	305388	62.830	ug/ml	#	83
57) 3-Chloroaniline	8.104	65	151787	61.791	ug/ml		100
58) 2,6-Dichlorophenol	8.133	162	327099	62.531	ug/ml	#	86
59) 1-chloro-2-nitrobenzene	8.398	111	147739	62.830	ug/ml	#	1
60) Caprolactam	8.469	55	156367	60.010	ug/ml	#	68
61) 1,2,4,5-Tetrachloroben...	8.928	216	396136	54.471	ug/ml		98
62) Biphenyl	9.228	154	938617	55.349	ug/ml		97
84) Dichloran	10.922	206	125350	66.673	ug/ml	#	67
85) Pentachloronitrobenzene	11.074	237	111491	61.308	ug/ml	#	84
99) Diphenamid	12.133	167	631085	69.089	ug/ml	#	80

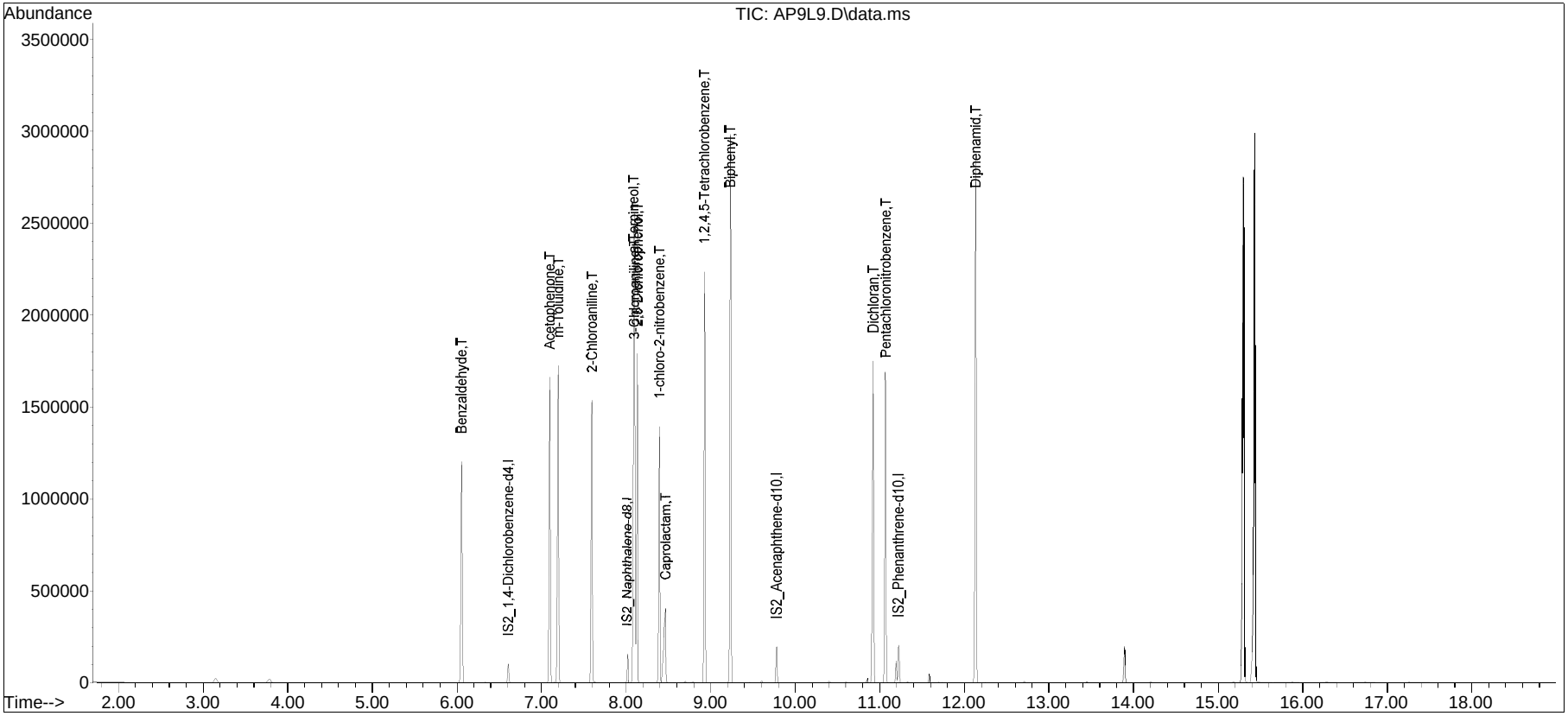
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L9.D
Acq On : 30 Jul 2024 11:15 pm
Operator : SV107:cmm
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1954578,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 31 17:40:53 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:42:06 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L9.D	Operator	: SV107:cmm
Date Inj'd	: 7/30/2024 11:15 pm	Instrument	: SV107
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 7/31/2024 5:42 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L8.D
Acq On : 30 Jul 2024 11:40 pm
Operator : SV107:cmm
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1954578,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 31 17:40:42 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	15814	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery =	96.89%			
55) IS2_Naphthalene-d8	8.016	136	60667	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery =	100.60%			
83) IS2_Acenaphthene-d10	9.780	164	35729	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery =	101.10%			
98) IS2_Phenanthrene-d10	11.222	188	73449	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery =	105.08%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.045	105	118455	26.854	ug/ml		93
29) Acetophenone	7.092	105	212754	26.933	ug/ml	#	82
30) m-Toluidine	7.192	106	218403	29.706	ug/ml		95
31) 2-Chloroaniline	7.592	127	196184	27.995	ug/ml	#	93
56) a-Terpineol	8.086	59	136303	30.273	ug/ml	#	85
57) 3-Chloroaniline	8.098	65	67744	29.771	ug/ml		99
58) 2,6-Dichlorophenol	8.128	162	144716	29.865	ug/ml	#	87
59) 1-chloro-2-nitrobenzene	8.392	111	66314	30.445	ug/ml	#	1
60) Caprolactam	8.451	55	72379	29.987	ug/ml	#	68
61) 1,2,4,5-Tetrachloroben...	8.928	216	173444	25.746	ug/ml		97
62) Biphenyl	9.228	154	421843	26.854	ug/ml		98
84) Dichloran	10.916	206	55341	32.596	ug/ml	#	67
85) Pentachloronitrobenzene	11.069	237	49245	29.987	ug/ml	#	84
99) Diphenamid	12.133	167	286067	33.671	ug/ml	#	80

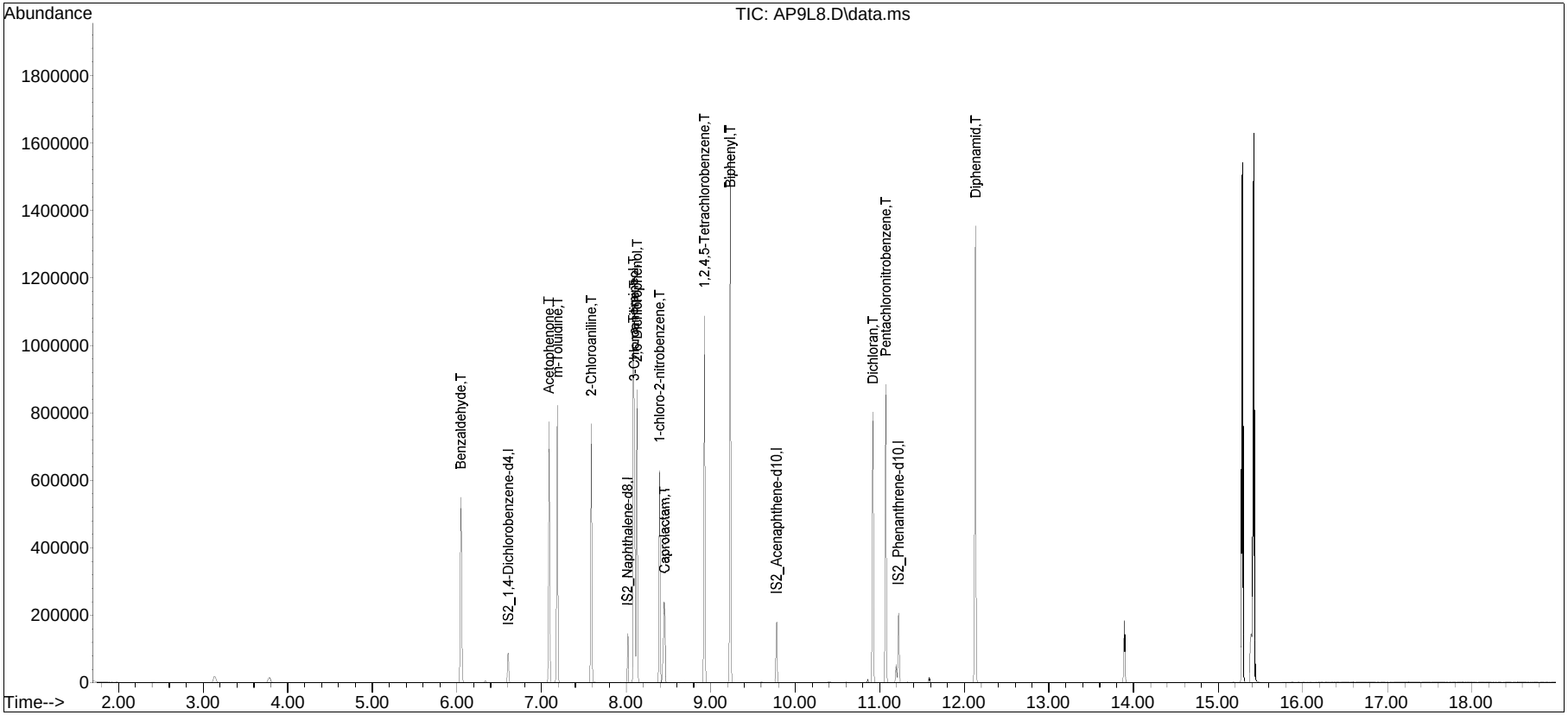
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L8.D
Acq On : 30 Jul 2024 11:40 pm
Operator : SV107:cmm
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1954578,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 31 17:40:42 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:56 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L8.D	Operator	: SV107:cmm
Date Inj'd	: 7/30/2024 11:40 pm	Instrument	: SV107
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L7.D
Acq On : 31 Jul 2024 12:06 am
Operator : SV107:cmm
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1954578,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 31 17:40:32 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:46 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.610	152	16008	4.000 ug/ml	0.00
Standard Area 1 = 16322			Recovery =	98.08%	
55) IS2_Naphthalene-d8	8.016	136	60564	4.000 ug/ml	0.00
Standard Area 1 = 60303			Recovery =	100.43%	
83) IS2_Acenaphthene-d10	9.780	164	35491	4.000 ug/ml	0.00
Standard Area 1 = 35340			Recovery =	100.43%	
98) IS2_Phenanthrene-d10	11.221	188	73796	4.000 ug/ml #	0.00
Standard Area 1 = 69901			Recovery =	105.57%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	6.051	105	47039	10.535 ug/ml	94
29) Acetophenone	7.092	105	83968	10.501 ug/ml#	82
30) m-Toluidine	7.192	106	84229	11.318 ug/ml	95
31) 2-Chloroaniline	7.592	127	76539	10.790 ug/ml#	93
56) a-Terpineol	8.086	59	51091	11.367 ug/ml#	85
57) 3-Chloroaniline	8.098	65	27088	11.924 ug/ml	93
58) 2,6-Dichlorophenol	8.128	162	54601	11.287 ug/ml#	88
59) 1-chloro-2-nitrobenzene	8.392	111	25606	11.776 ug/ml#	1
60) Caprolactam	8.439	55	27706	11.498 ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.927	216	68823	10.234 ug/ml	97
62) Biphenyl	9.227	154	160570	10.239 ug/ml	98
84) Dichloran	10.916	206	18795	11.145 ug/ml#	70
85) Pentachloronitrobenzene	11.069	237	17688	10.843 ug/ml#	85
99) Diphenamid	12.127	167	102175	11.970 ug/ml#	80

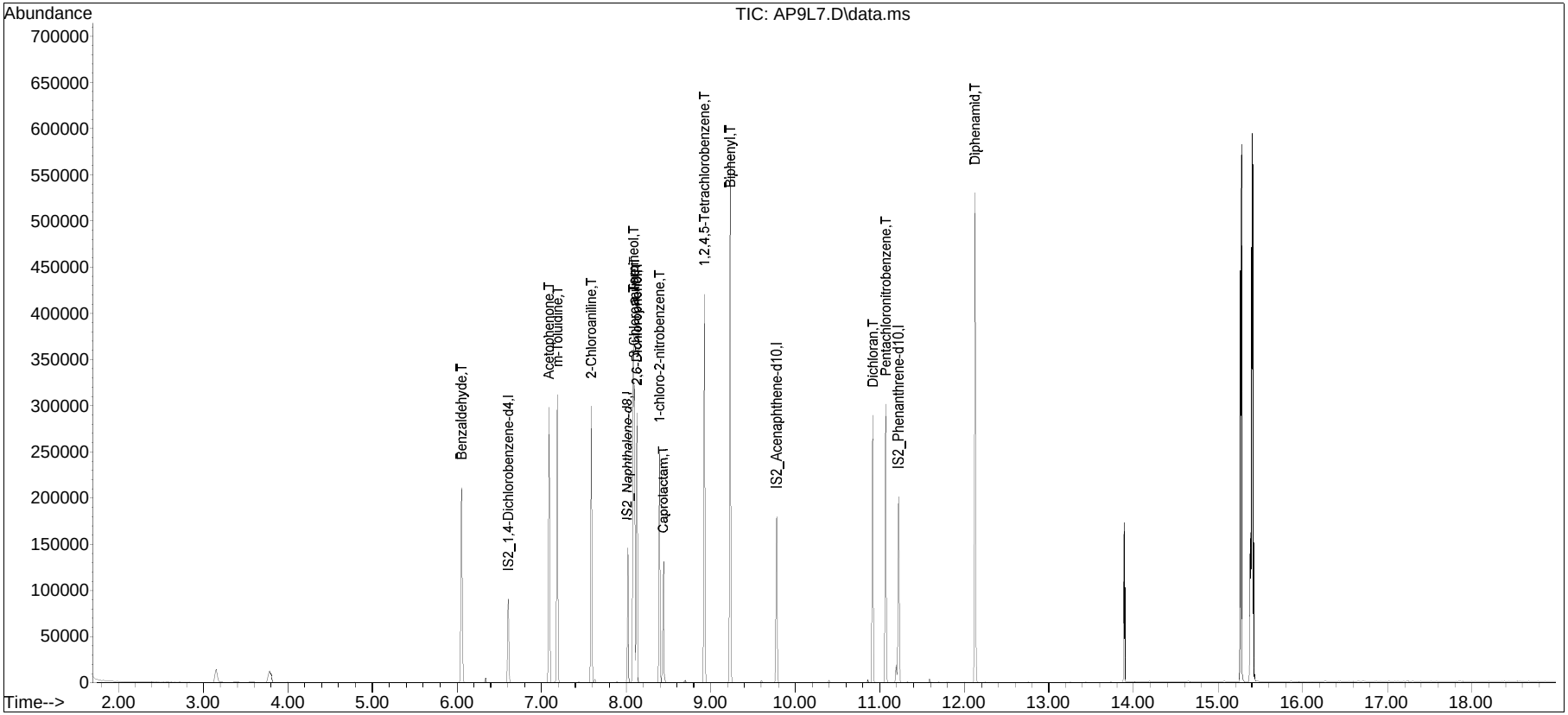
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L7.D
Acq On : 31 Jul 2024 12:06 am
Operator : SV107:cmm
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1954578,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 31 17:40:32 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:46 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L7.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 12:06 am	Instrument	: SV107
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L6.D
Acq On : 31 Jul 2024 12:31 am
Operator : SV107:cmm
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1954578,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 31 17:40:23 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:36 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.610	152	16322	4.000	ug/ml	0.00
Standard Area 1 = 16322			Recovery =	100.00%		
55) IS2_Naphthalene-d8	8.016	136	60303	4.000	ug/ml	0.00
Standard Area 1 = 60303			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	9.780	164	35340	4.000	ug/ml	0.00
Standard Area 1 = 35340			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	11.221	188	69901	4.000	ug/ml #	0.00
Standard Area 1 = 69901			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.051	105	22464	4.934	ug/ml	93
29) Acetophenone	7.092	105	39512	4.846	ug/ml#	82
30) m-Toluidine	7.192	106	38806	5.114	ug/ml	94
31) 2-Chloroaniline	7.592	127	36042	4.983	ug/ml#	93
56) a-Terpineol	8.080	59	23025	5.145	ug/ml#	82
57) 3-Chloroaniline	8.098	65	12425	5.493	ug/ml	95
58) 2,6-Dichlorophenol	8.127	162	25046	5.200	ug/ml#	89
59) 1-chloro-2-nitrobenzene	8.392	111	11592	5.354	ug/ml#	1
60) Caprolactam	8.427	55	11384	4.745	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.927	216	32039	4.785	ug/ml	97
62) Biphenyl	9.227	154	73672	4.718	ug/ml	98
84) Dichloran	10.916	206	7243	4.313	ug/ml#	72
85) Pentachloronitrobenzene	11.068	237	7329	4.512	ug/ml#	84
99) Diphenamid	12.127	167	42300	5.232	ug/ml#	81

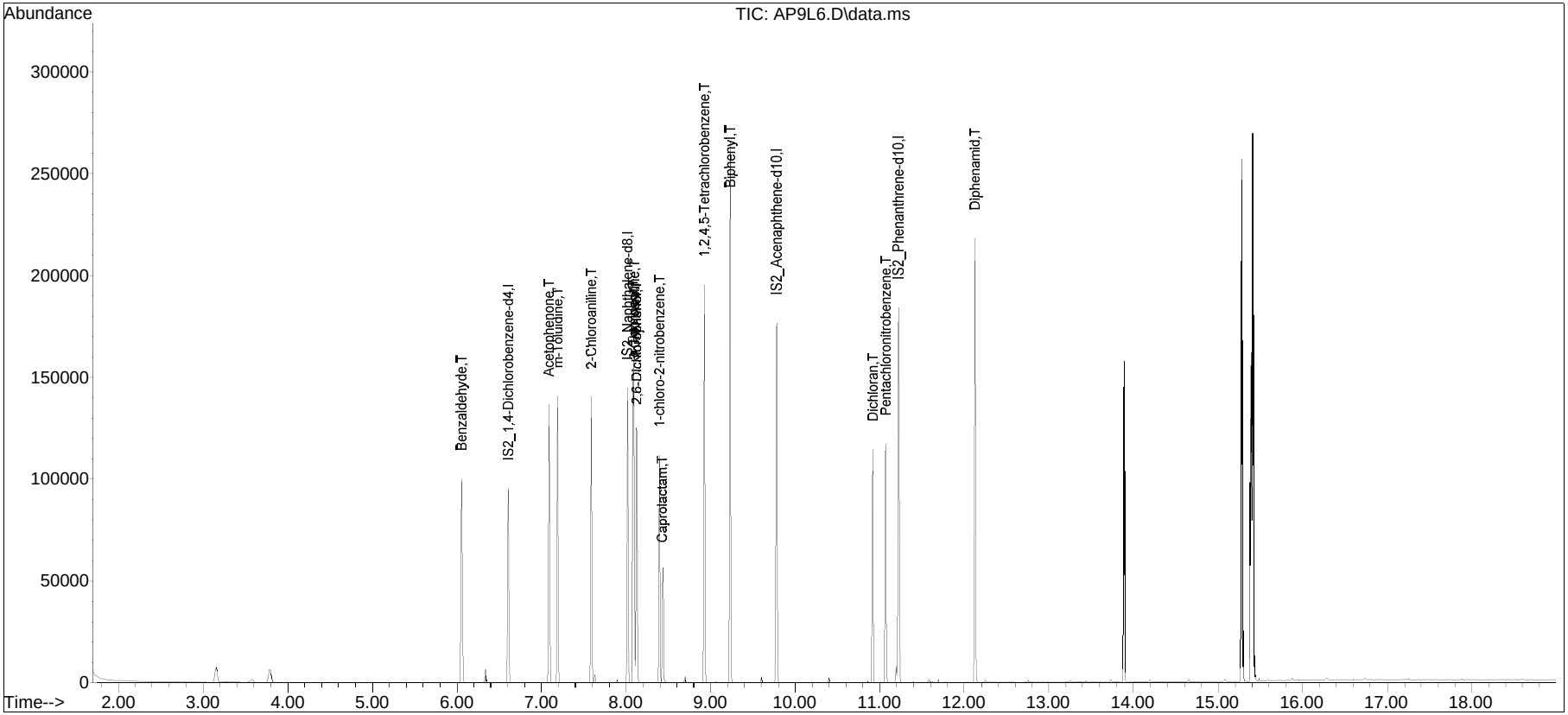
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L6.D
Acq On : 31 Jul 2024 12:31 am
Operator : SV107:cmm
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1954578,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 31 17:40:23 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:36 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L6.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 12:31 am	Instrument	: SV107
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L5.D
Acq On : 31 Jul 2024 12:57 am
Operator : SV107:cmm
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1954578,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 31 17:40:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:27 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	15141	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery =	92.76%			
55) IS2_Naphthalene-d8	8.016	136	56183	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery =	93.17%			
83) IS2_Acenaphthene-d10	9.781	164	32860	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery =	92.98%			
98) IS2_Phenanthrene-d10	11.222	188	68379	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery =	97.82%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.051	105	10205	2.416	ug/ml		95
29) Acetophenone	7.093	105	17989	2.378	ug/ml	#	82
30) m-Toluidine	7.192	106	17389	2.470	ug/ml		96
31) 2-Chloroaniline	7.592	127	16143	2.406	ug/ml	#	93
56) a-Terpineol	8.081	59	9879	2.369	ug/ml	#	78
57) 3-Chloroaniline	8.098	65	5464	2.593	ug/ml		97
58) 2,6-Dichlorophenol	8.122	162	11053	2.463	ug/ml	#	89
59) 1-chloro-2-nitrobenzene	8.392	111	5291	2.623	ug/ml	#	1
60) Caprolactam	8.428	55	4688	2.097	ug/ml	#	71
61) 1,2,4,5-Tetrachloroben...	8.928	216	14984	2.402	ug/ml		97
62) Biphenyl	9.228	154	34805	2.392	ug/ml		99
84) Dichloran	10.916	206	2910	1.864	ug/ml	#	73
85) Pentachloronitrobenzene	11.069	237	3267	2.163	ug/ml		85
99) Diphenamid	12.127	167	18958	2.397	ug/ml	#	80

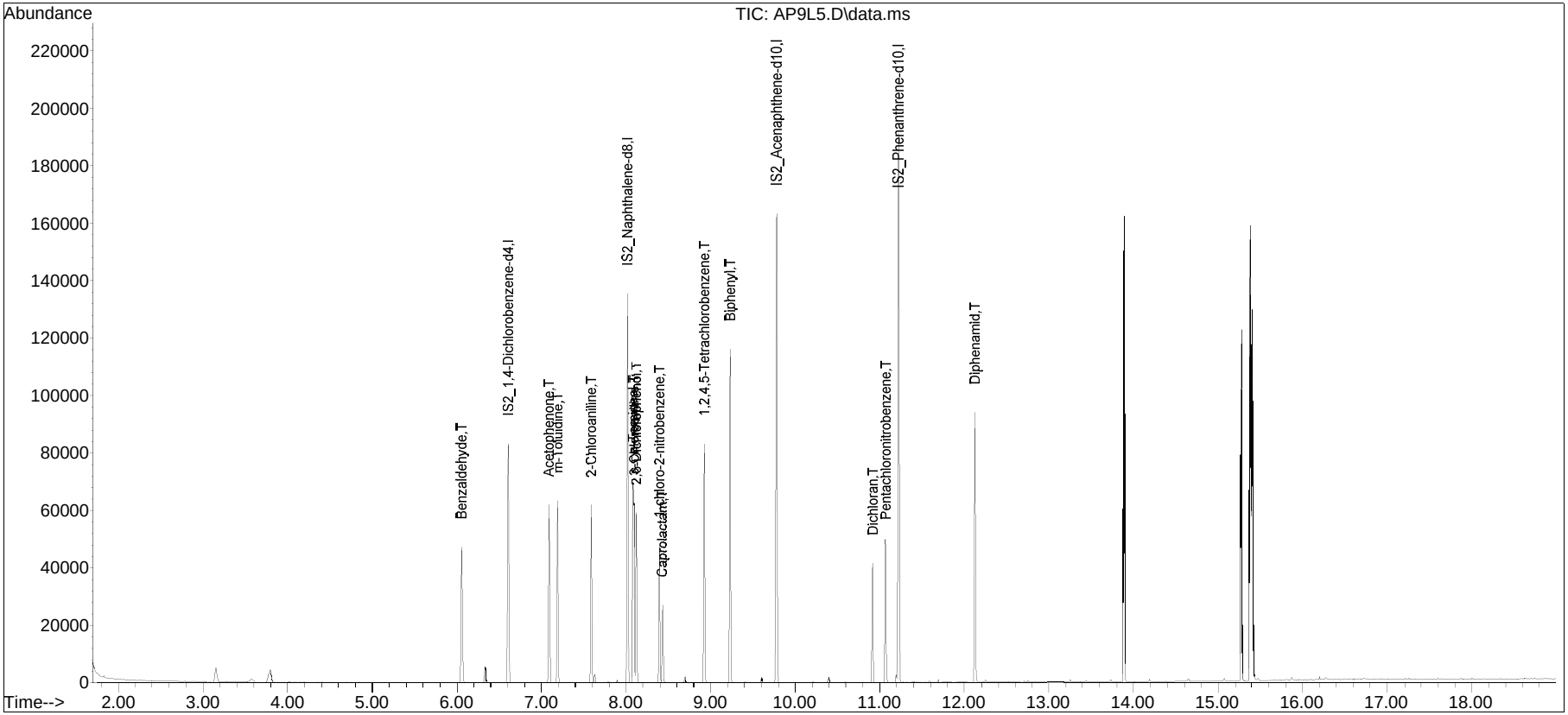
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L5.D
Acq On : 31 Jul 2024 12:57 am
Operator : SV107:cmm
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1954578,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 31 17:40:13 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:27 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L5.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 12:57 am	Instrument	: SV107
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L4.D
Acq On : 31 Jul 2024 1:22 am
Operator : SV107:cmm
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1954578,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 31 17:40:04 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.610	152	16317	4.000 ug/ml	0.00
Standard Area 1 = 16322			Recovery =	99.97%	
55) IS2_Naphthalene-d8	8.016	136	61673	4.000 ug/ml	0.00
Standard Area 1 = 60303			Recovery =	102.27%	
83) IS2_Acenaphthene-d10	9.781	164	35536	4.000 ug/ml	0.00
Standard Area 1 = 35340			Recovery =	100.55%	
98) IS2_Phenanthrene-d10	11.222	188	72875	4.000 ug/ml #	0.00
Standard Area 1 = 69901			Recovery =	104.25%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	6.051	105	4619	1.015 ug/ml	96
29) Acetophenone	7.093	105	8263	1.014 ug/ml#	82
30) m-Toluidine	7.192	106	7304	0.963 ug/ml	96
31) 2-Chloroaniline	7.592	127	7193	0.995 ug/ml#	92
56) a-Terpineol	8.081	59	4317	0.943 ug/ml#	80
57) 3-Chloroaniline	8.098	65	2315	1.001 ug/ml	96
58) 2,6-Dichlorophenol	8.122	162	4751	0.964 ug/ml#	89
59) 1-chloro-2-nitrobenzene	8.392	111	2267	1.024 ug/ml#	1
60) Caprolactam	8.428	55	1626	0.663 ug/ml#	71
61) 1,2,4,5-Tetrachloroben...	8.928	216	6617	0.966 ug/ml	97
62) Biphenyl	9.228	154	15316	0.959 ug/ml	99
84) Dichloran	10.916	206	1081	0.640 ug/ml#	76
85) Pentachloronitrobenzene	11.063	237	1180	0.722 ug/ml	84
99) Diphenamid	12.127	167	7344	0.871 ug/ml#	80

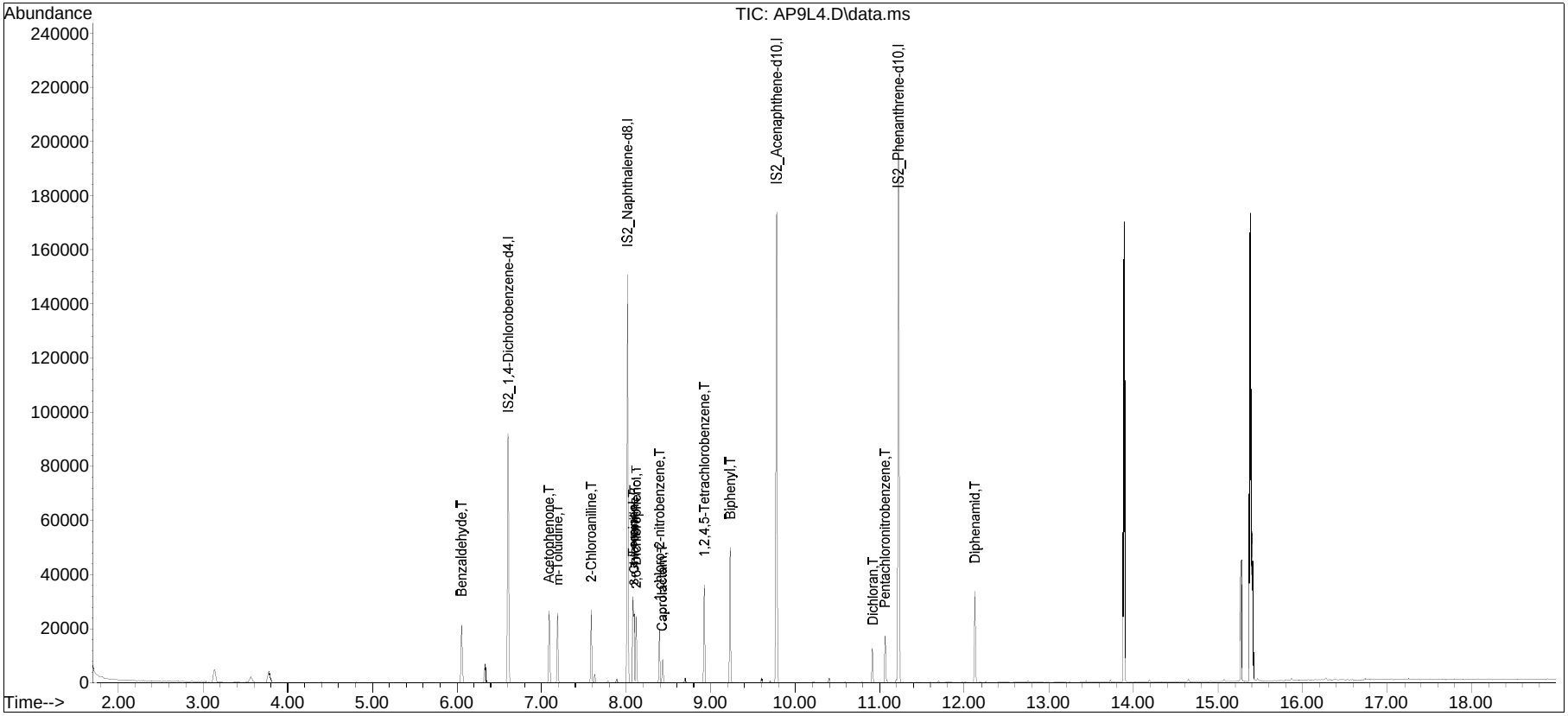
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L4.D
Acq On : 31 Jul 2024 1:22 am
Operator : SV107:cmm
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1954578,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 31 17:40:04 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:18 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L4.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 1:22 am	Instrument	: SV107
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L3.D
Acq On : 31 Jul 2024 1:47 am
Operator : SV107:cmm
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1954578,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 31 17:39:55 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:09 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	16748	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery =	102.61%			
55) IS2_Naphthalene-d8	8.016	136	62565	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery =	103.75%			
83) IS2_Acenaphthene-d10	9.780	164	36357	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery =	102.88%			
98) IS2_Phenanthrene-d10	11.222	188	74486	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery =	106.56%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.057	105	2376	0.509	ug/ml		93
29) Acetophenone	7.098	105	4149	0.496	ug/ml	#	80
30) m-Toluidine	7.192	106	3612	0.464	ug/ml		95
31) 2-Chloroaniline	7.592	127	3594	0.484	ug/ml	#	91
56) a-Terpineol	8.081	59	2106	0.454	ug/ml	#	78
57) 3-Chloroaniline	8.098	65	1178	0.502	ug/ml		97
58) 2,6-Dichlorophenol	8.122	162	2342	0.469	ug/ml	#	89
59) 1-chloro-2-nitrobenzene	8.392	111	1067	0.475	ug/ml	#	1
60) Caprolactam	8.428	55	730	0.293	ug/ml	#	43
61) 1,2,4,5-Tetrachloroben...	8.928	216	3456	0.497	ug/ml	#	96
62) Biphenyl	9.228	154	8166	0.504	ug/ml		100
84) Dichloran	10.916	206	469	0.271	ug/ml		84
85) Pentachloronitrobenzene	11.069	237	574	0.343	ug/ml	#	53
99) Diphenamid	12.127	167	3710	0.431	ug/ml	#	80

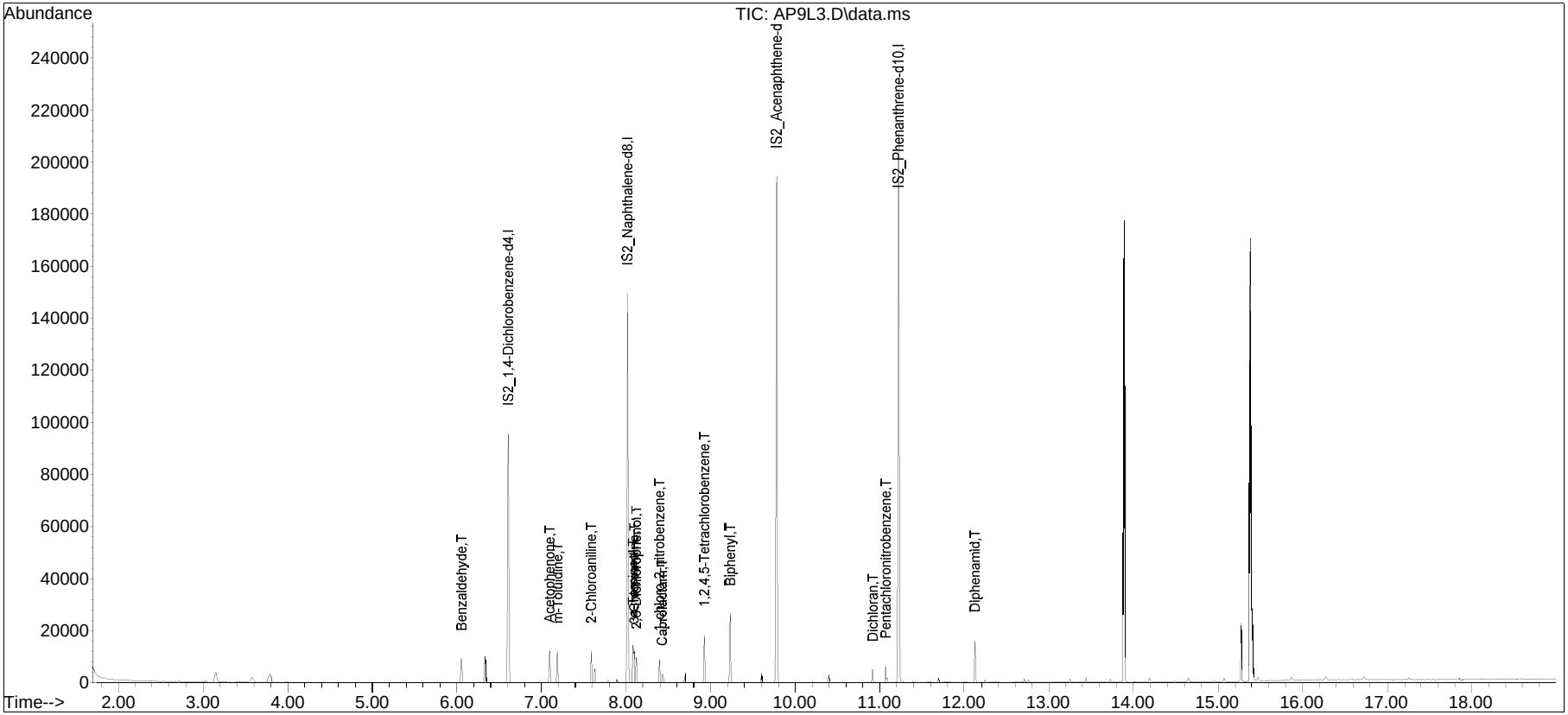
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L3.D
Acq On : 31 Jul 2024 1:47 am
Operator : SV107:cmm
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1954578,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 31 17:39:55 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:09 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9L3.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 1:47 am	Instrument	: SV107
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 7/31/2024 5:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L2.D
Acq On : 31 Jul 2024 2:13 am
Operator : SV107:cmm
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1954578,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 31 17:39:46 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	15272	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery = 93.57%				
55) IS2_Naphthalene-d8	8.016	136	56262	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery = 93.30%				
83) IS2_Acenaphthene-d10	9.780	164	32334	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery = 91.49%				
98) IS2_Phenanthrene-d10	11.221	188	64703	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery = 92.56%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.057	105	850	0.200	ug/ml		96
29) Acetophenone	7.098	105	1493	0.196	ug/ml	#	39
30) m-Toluidine	7.192	106	1238	0.174	ug/ml	#	89
31) 2-Chloroaniline	7.592	127	1205	0.178	ug/ml	#	42
56) a-Terpineol	8.080	59	785	0.188	ug/ml		90
57) 3-Chloroaniline	8.098	65	384M2	0.182	ug/ml		
58) 2,6-Dichlorophenol	8.128	162	779	0.173	ug/ml	#	87
59) 1-chloro-2-nitrobenzene	8.392	111	359M2	0.178	ug/ml		
60) Caprolactam	0.000		0	N.D.			
61) 1,2,4,5-Tetrachloroben...	8.927	216	1225	0.196	ug/ml	#	88
62) Biphenyl	9.227	154	2938	0.202	ug/ml		99
84) Dichloran	10.916	206	136M2	0.089	ug/ml		
85) Pentachloronitrobenzene	11.063	237	150M2	0.101	ug/ml		
99) Diphenamid	12.127	167	1095	0.146	ug/ml		89

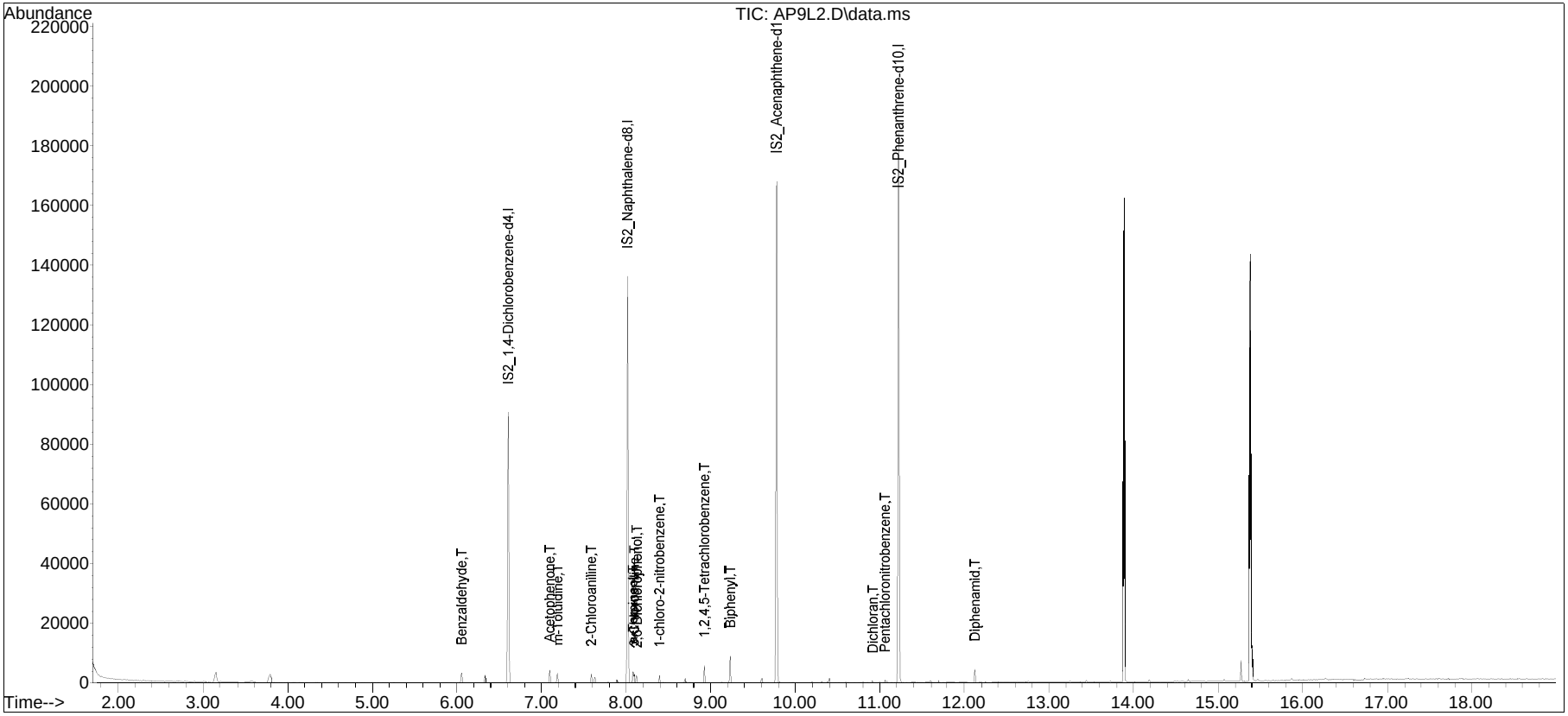
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L2.D
Acq On : 31 Jul 2024 2:13 am
Operator : SV107:cmm
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1954578,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 31 17:39:46 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:41:00 2024
Response via : Initial Calibration

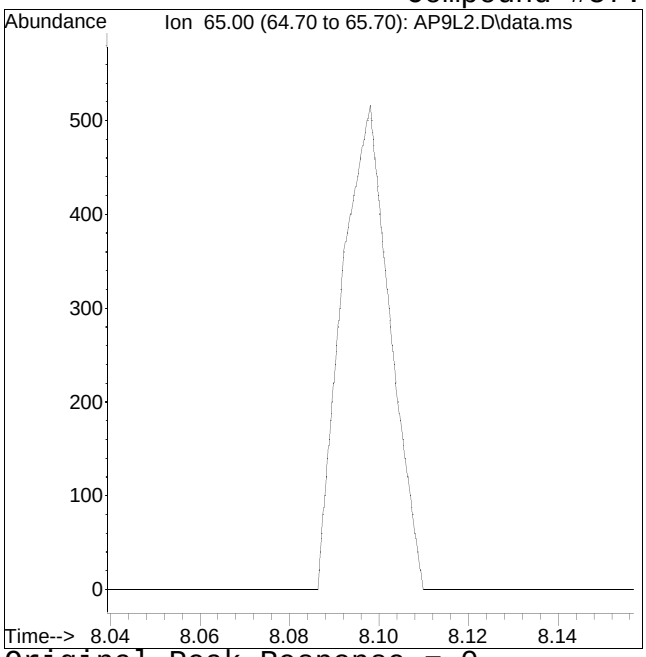
Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



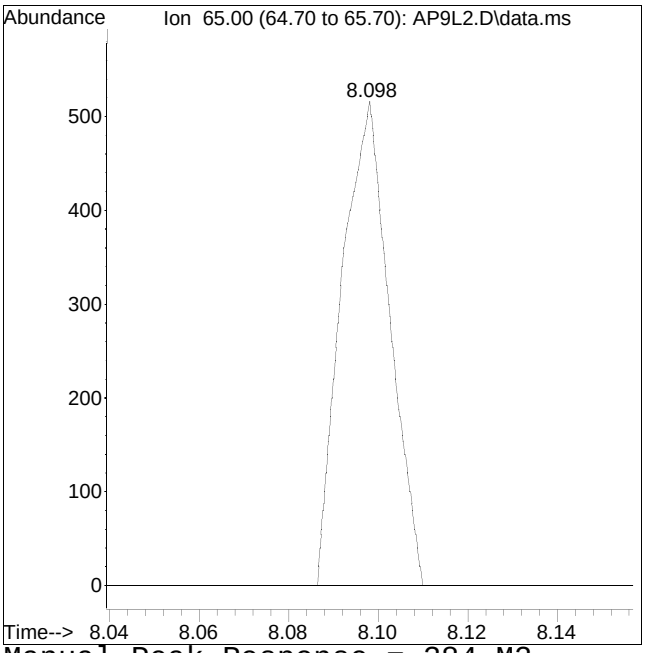
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L2.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:13 am Instrument : SV107
Sample : IL9,32,,AP9L0.2 Lot# 10794 Quant Date : 7/31/2024 5:41 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



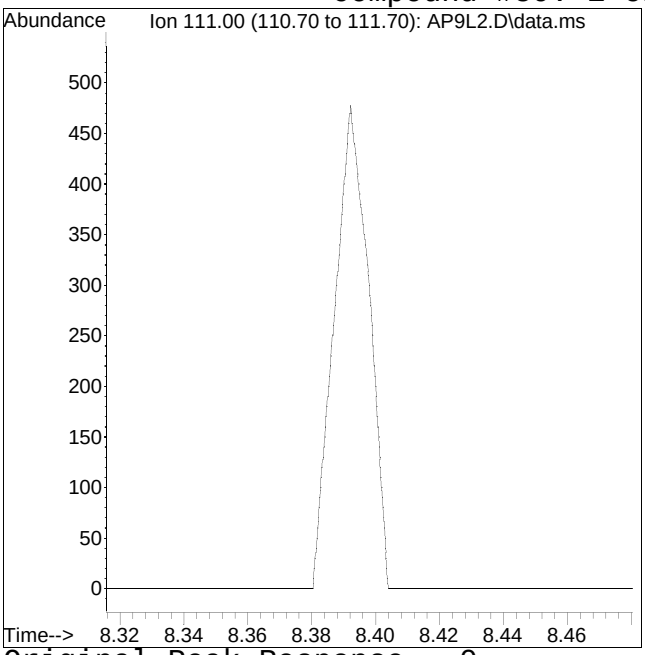
Manual Peak Response = 384 M2

M2 = Peak not found by automatic integration algorithm.

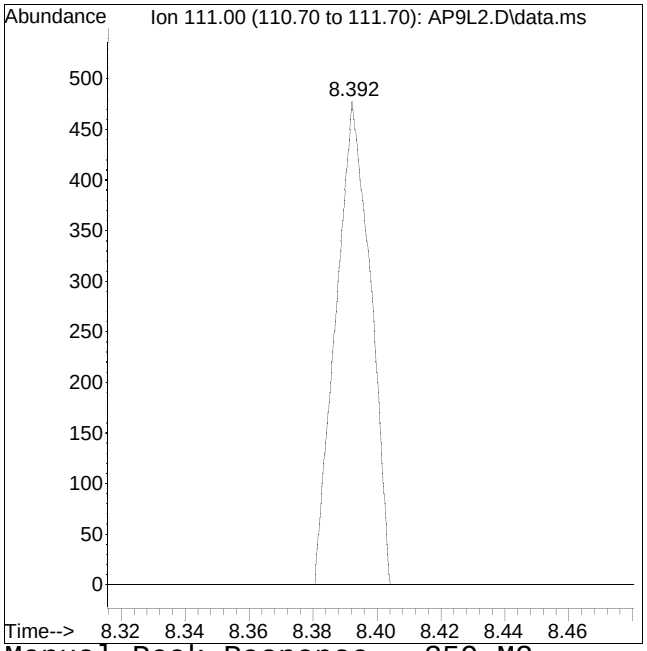
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L2.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:13 am Instrument : SV107
Sample : IL9,32,,AP9L0.2 Lot# 10794 Quant Date : 7/31/2024 5:41 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



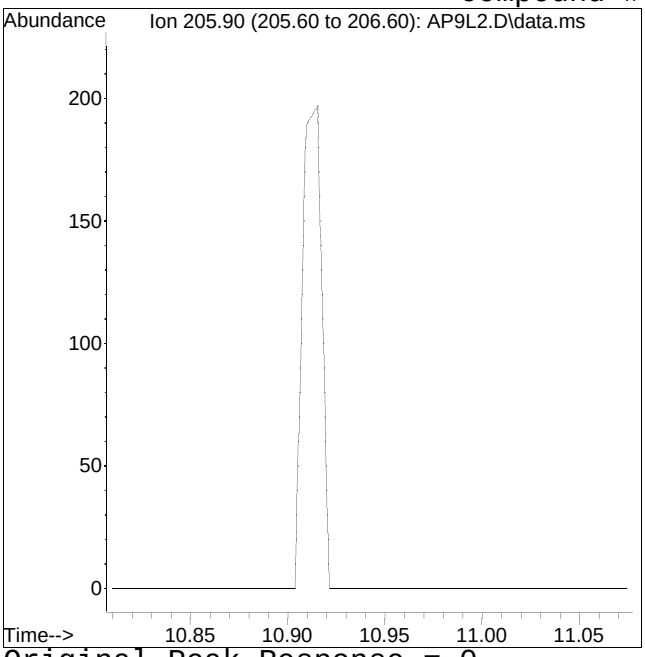
Manual Peak Response = 359 M2

M2 = Peak not found by automatic integration algorithm.

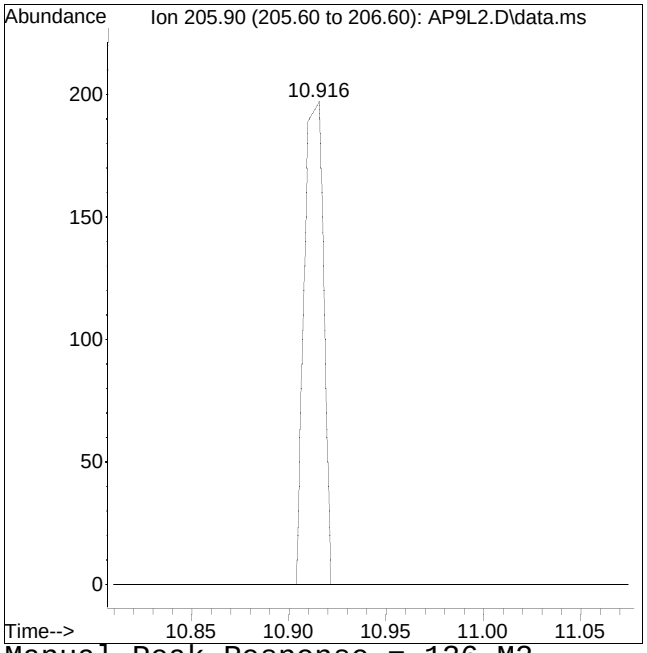
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L2.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:13 am Instrument : SV107
Sample : IL9,32,,AP9L0.2 Lot# 10794 Quant Date : 7/31/2024 5:41 pm

Compound #84: Dichloran



Original Peak Response = 0



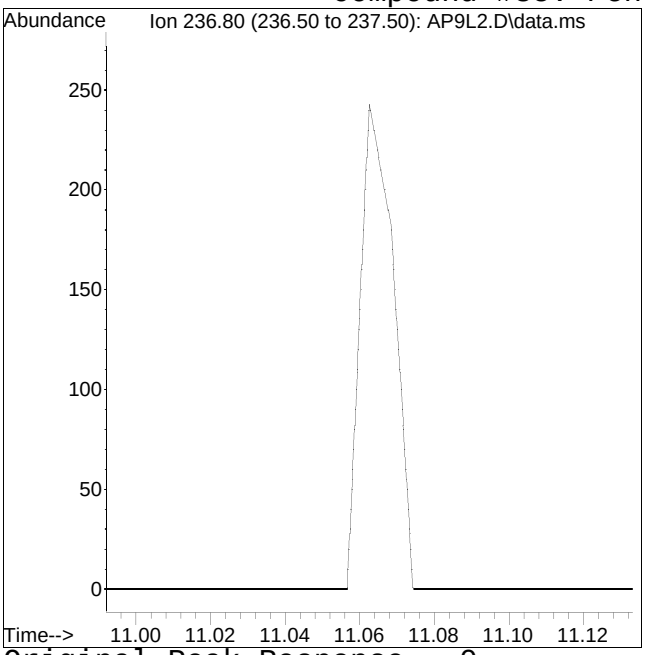
Manual Peak Response = 136 M2

M2 = Peak not found by automatic integration algorithm.

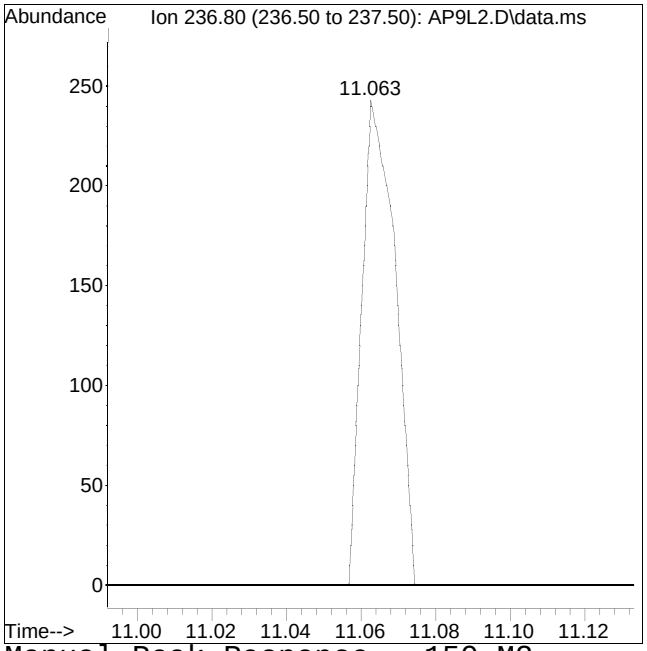
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L2.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:13 am Instrument : SV107
Sample : IL9,32,,AP9L0.2 Lot# 10794 Quant Date : 7/31/2024 5:41 pm

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 150 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L1.D
Acq On : 31 Jul 2024 2:38 am
Operator : SV107:cmm
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1954578,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 31 17:39:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:40:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.610	152	14962	4.000	ug/ml		0.00
Standard Area 1 = 16322			Recovery =	91.67%			
55) IS2_Naphthalene-d8	8.016	136	54851	4.000	ug/ml		0.00
Standard Area 1 = 60303			Recovery =	90.96%			
83) IS2_Acenaphthene-d10	9.780	164	30938	4.000	ug/ml		0.00
Standard Area 1 = 35340			Recovery =	87.54%			
98) IS2_Phenanthrene-d10	11.222	188	62840	4.000	ug/ml	#	0.00
Standard Area 1 = 69901			Recovery =	89.90%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.057	105	331M2	0.079	ug/ml		
29) Acetophenone	7.098	105	647	0.087	ug/ml	#	39
30) m-Toluidine	7.192	106	475	0.068	ug/ml	#	93
31) 2-Chloroaniline	7.592	127	548	0.083	ug/ml	#	42
56) a-Terpineol	8.081	59	256M2	0.063	ug/ml		
57) 3-Chloroaniline	8.098	65	68M2	0.033	ug/ml		
58) 2,6-Dichlorophenol	8.128	162	277M2	0.063	ug/ml		
59) 1-chloro-2-nitrobenzene	8.392	111	72M2	0.037	ug/ml		
60) Caprolactam	0.000		0	N.D.			
61) 1,2,4,5-Tetrachloroben...	8.928	216	608	0.100	ug/ml	#	81
62) Biphenyl	9.228	154	1305	0.092	ug/ml	#	75
84) Dichloran	0.000		0	N.D.			
85) Pentachloronitrobenzene	0.000		0	N.D.			
99) Diphenamid	12.127	167	440	0.061	ug/ml	#	64

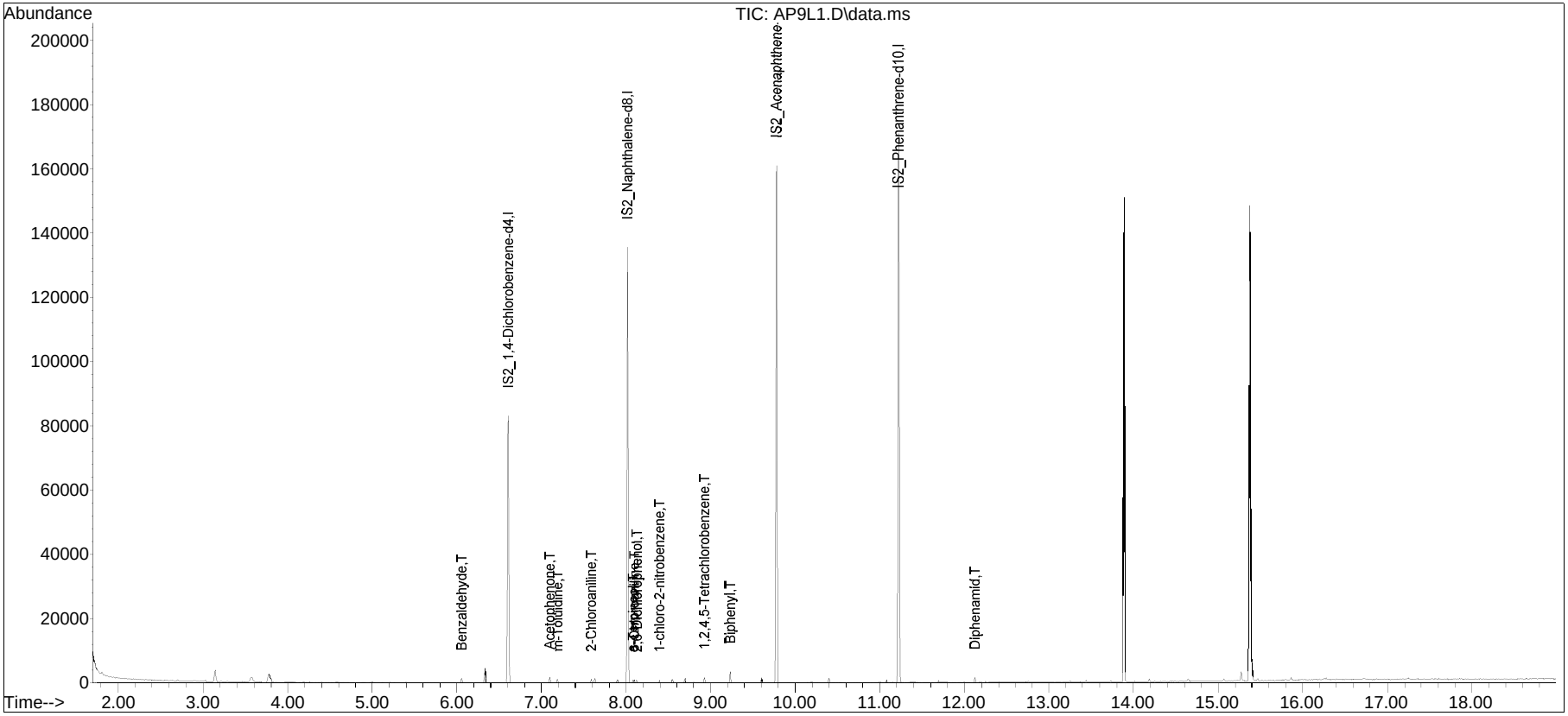
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9L1.D
Acq On : 31 Jul 2024 2:38 am
Operator : SV107:cmm
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1954578,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 31 17:39:37 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jul 31 17:40:50 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•

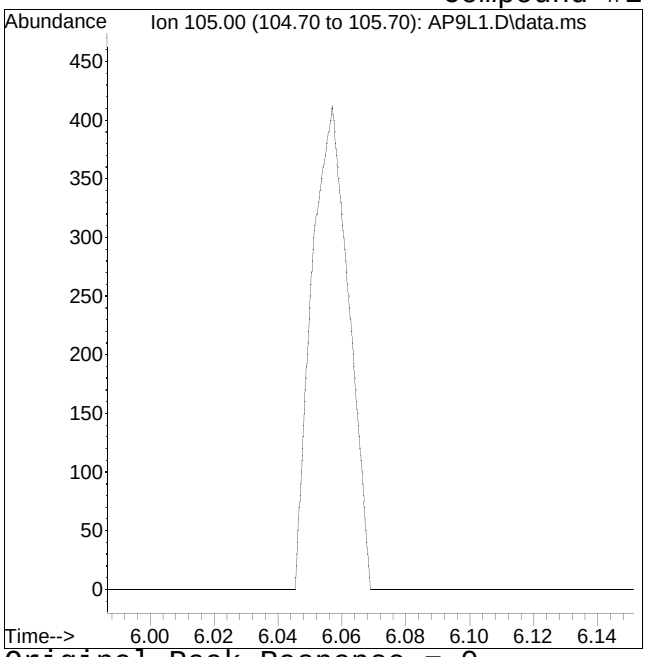


FS240730SV107RVT.m Fri Aug 02 08:15:37 2024 Page: 2

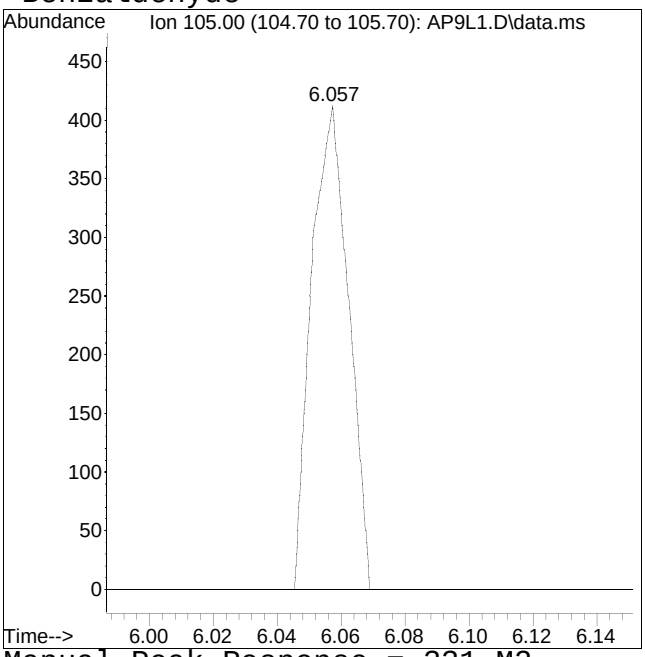
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:38 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1079 Quant Date : 7/31/2024 5:40 pm

Compound #28: Benzaldehyde



Original Peak Response = 0



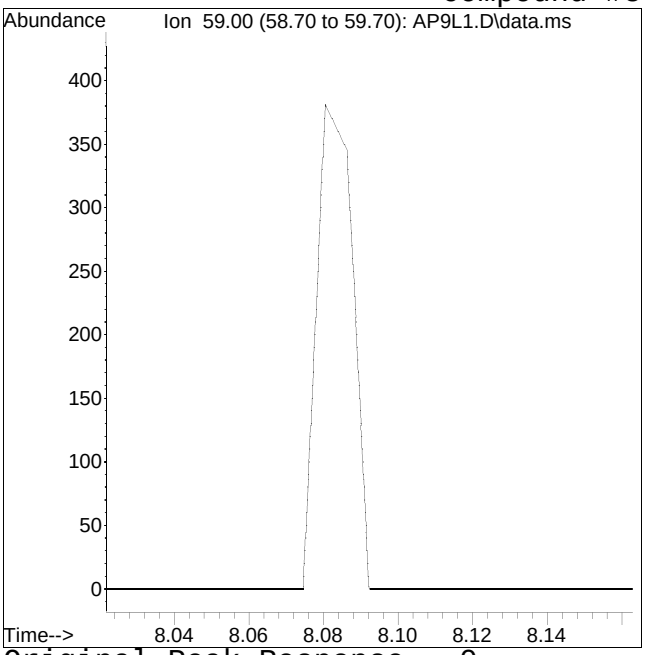
Manual Peak Response = 331 M2

M2 = Peak not found by automatic integration algorithm.

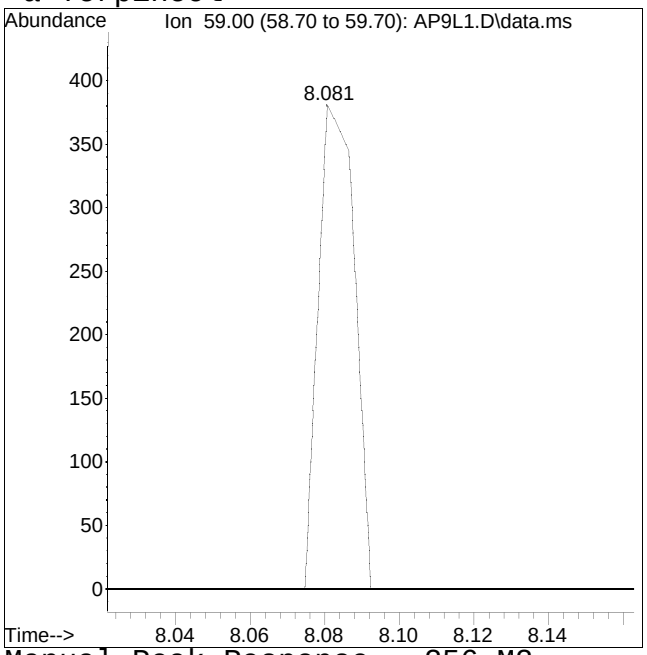
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:38 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1079 Quant Date : 7/31/2024 5:40 pm

Compound #56: a-Terpineol



Original Peak Response = 0



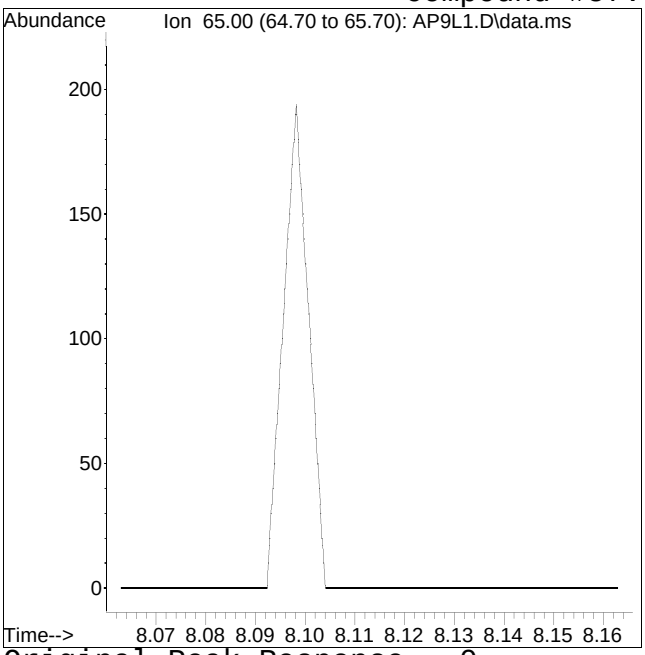
Manual Peak Response = 256 M2

M2 = Peak not found by automatic integration algorithm.

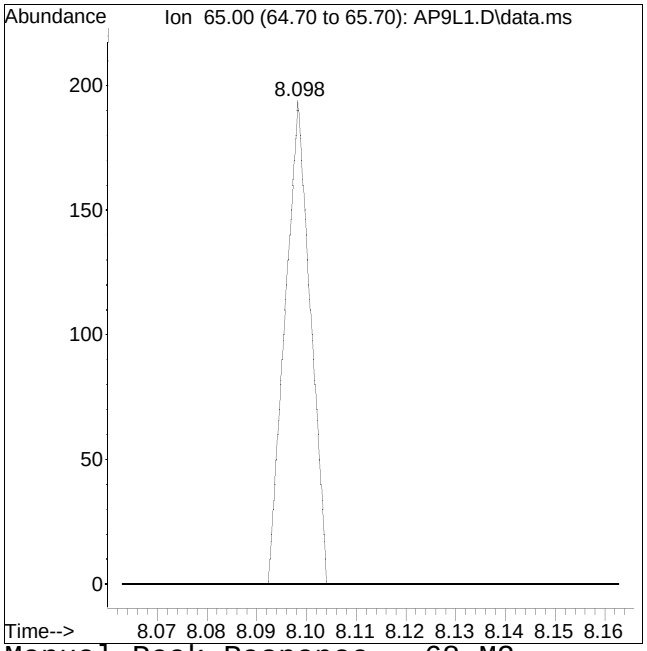
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:38 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1079 Quant Date : 7/31/2024 5:40 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



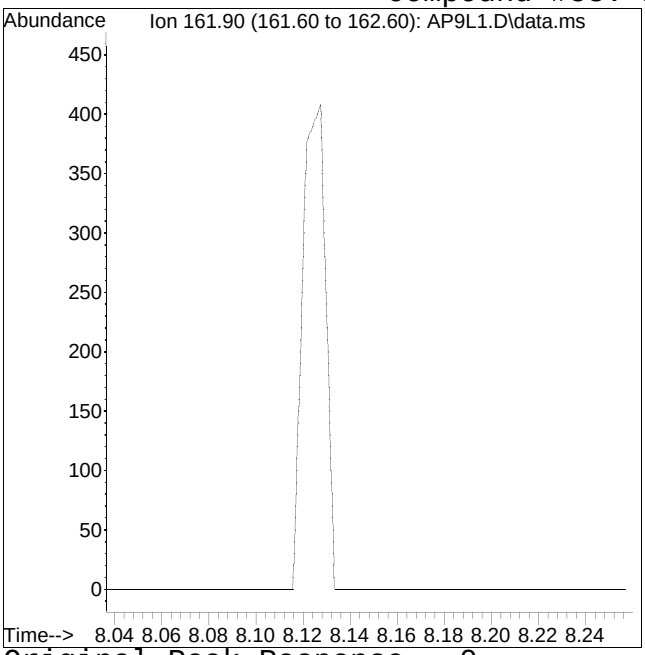
Manual Peak Response = 68 M2

M2 = Peak not found by automatic integration algorithm.

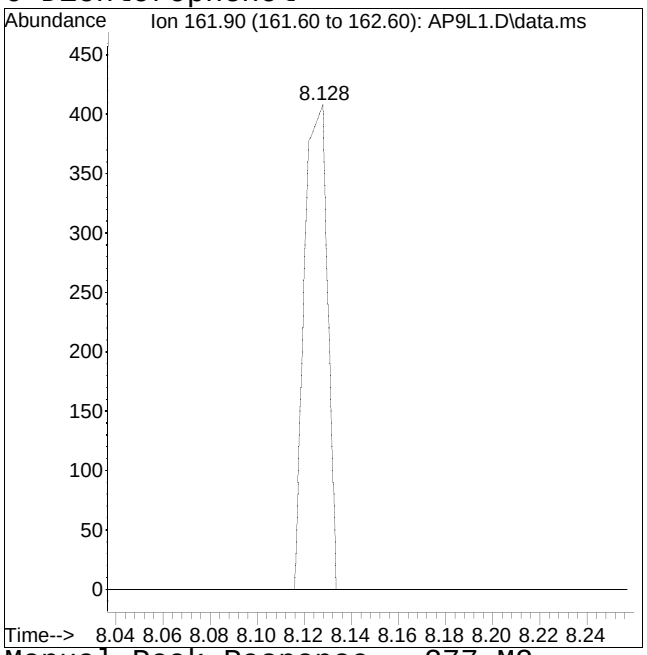
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:38 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1079 Quant Date : 7/31/2024 5:40 pm

Compound #58: 2,6-Dichlorophenol



Original Peak Response = 0



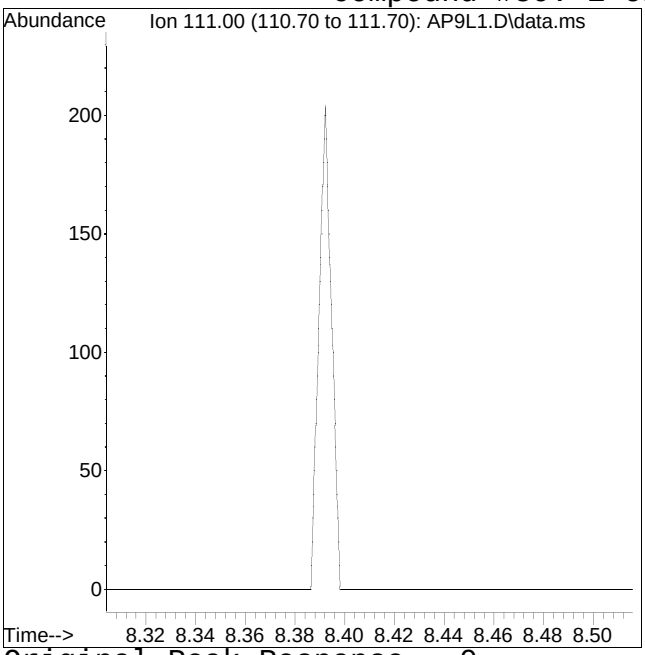
Manual Peak Response = 277 M2

M2 = Peak not found by automatic integration algorithm.

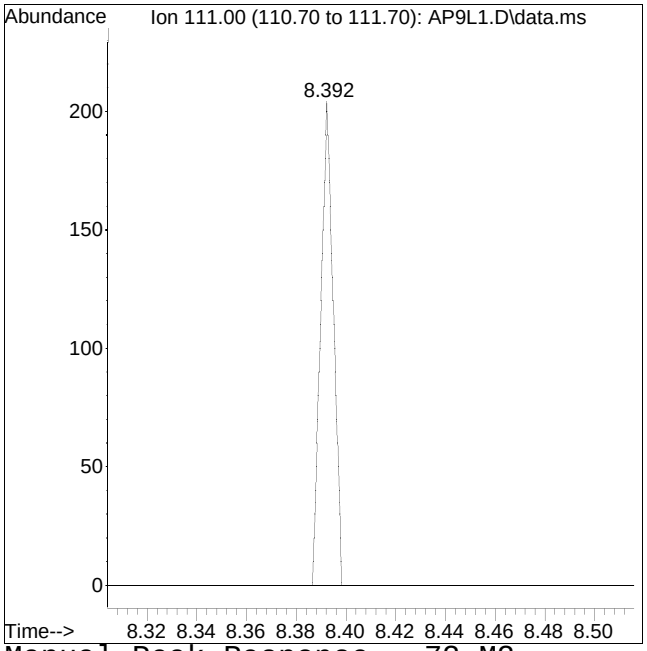
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : AP9L1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 2:38 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1079 Quant Date : 7/31/2024 5:40 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



Manual Peak Response = 72 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	121	0.00
2	t	n-Nitrosodimethylamine		0.710	0.687	3.2	117	0.01
3	t	Pyridine		1.086	1.057	2.7	107	0.00
4	S	2-Fluorophenol		1.080	1.018	5.7	114	0.00
5	T	Aniline		1.765	1.653	6.3	122	0.00
6	t	2-Chlorophenol		1.294	1.243	3.9	122	0.00
7	S	Phenol-d6		1.413	1.392	1.5	127	0.00
8	T	Phenol		1.566	1.493	4.7	124	0.00
9	T	Bis(2-chloroethyl)ether		1.247	1.186	4.9	129	0.00
10	T	1,3-Dichlorobenzene		1.587	1.480	6.7	122	0.00
11	T	1,4-Dichlorobenzene		1.599	1.504	5.9	123	0.00
12	T	1,2-Dichlorobenzene		1.562	1.454	6.9	123	0.00
13	t	Benzyl alcohol		1.010	0.948	6.1	125	0.00
14	T	Bis(2-chloroisopropyl)ether		1.617	1.525	5.7	127	0.00
15	T	2-Methylphenol		1.126	1.086	3.6	131	0.00
16	T	Hexachloroethane		0.563	0.556	1.2	124	0.00
17	T	n-Nitrosodi-n-propylamine		0.862	0.828	3.9	129	0.00
18	T	3-Methylphenol/4-Methylphen		1.241	1.169	5.8	130	0.00
19	S	Nitrobenzene-d5		1.368	1.273	6.9	124	0.00
20	T	Nitrobenzene		1.312	1.257	4.2	126	0.00
21	T	Isophorone		2.344	2.317	1.2	132	0.00
22	T	2-Nitrophenol		0.667	0.592	11.2	121	0.00
23	T	2,4-Dimethylphenol		1.081	0.960	11.2	175	0.00
24	T	Bis(2-chloroethoxy)methane		1.585	1.504	5.1	132	0.00
25	T	2,4-Dichlorophenol		1.180	1.137	3.6	128	0.00
26	T	1,2,4-Trichlorobenzene		1.405	1.296	7.8	126	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	128	0.00
36	T	Naphthalene		1.132	1.018	10.1	131	0.00
37	T	Benzoic Acid	*	5.000	4.342	13.2	118	0.01
38	T	4-Chloroaniline		0.126	0.120	4.8	127	0.00
39	T	Hexachlorobutadiene		0.224	0.209	6.7	130	0.00
40	T	p-Chloro-m-cresol		0.283	0.276	2.5	138	0.00
41	T	2-Methylnaphthalene		0.737	0.675	8.4	132	0.00
42	T	1-Methylnaphthalene		0.238	0.230	3.4	136	0.00
43	T	Hexachlorocyclopentadiene		0.212	0.194	8.5	125	0.00
44	T	2,4,6-Trichlorophenol		0.234	0.229	2.1	134	0.00
45	T	2,4,5-Trichlorophenol		0.249	0.247	0.8	134	0.00
46	S	2-Fluorobiphenyl		0.900	0.806	10.4	135	0.00

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.763	0.674	11.7	133	0.00
48	T	2-Nitroaniline		0.204	0.198	2.9	140	0.00
49	T	1,4-Dinitrobenzene		0.110	0.094	14.5	136	0.00
50	T	1,3-Dinitrobenzene		0.129	0.116	10.1	142	0.00
51	T	Dimethyl phthalate		0.863	0.823	4.6	143	0.00
52	T	Acenaphthylene		1.132	1.093	3.4	143	0.00
53	T	2,6-Dinitrotoluene		0.169	0.173	-2.4	145	0.00
54	T	1,2-Dinitrobenzene		0.077	0.074	3.9	141	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	140	0.00
64	T	3-Nitroaniline		0.320	0.322	-0.6	145	0.00
65	T	Acenaphthene		1.138	1.036	9.0	142	0.00
66	T	2,4-Dinitrophenol	*	5.000	3.928	21.4#	141	0.00
67	T	Dibenzofuran		1.879	1.614	14.1	138	0.00
68	T	2,4-Dinitrotoluene		0.408	0.381	6.6	143	0.00
69	T	4-Nitrophenol		0.253	0.239	5.5	139	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.341	0.348	-2.1	144	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.325	0.338	-4.0	142	0.00
72	T	Diethyl phthalate		1.327	1.238	6.7	150	0.00
73	T	Fluorene		1.404	1.286	8.4	143	0.00
74	T	4-Chlorophenyl phenyl ether		0.713	0.642	10.0	143	0.00
75	T	4-Nitroaniline		0.320	0.306	4.4	142	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	3.991	20.2#	147	0.00
77	T	NDPA/DPA		1.166	1.118	4.1	148	0.00
78	T	Azobenzene		1.226	1.208	1.5	150	0.00
79	S	2,4,6-Tribromophenol		0.187	0.169	9.6	139	0.00
80	T	4-Bromophenyl phenyl ether		0.385	0.345	10.4	142	0.00
81	T	Hexachlorobenzene		0.425	0.385	9.4	141	0.00
82	T	Pentachlorophenol	*	5.000	4.240	15.2	145	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	147	0.00
89	T	Phenanthrene		1.151	1.032	10.3	150	0.00
90	T	Anthracene		1.089	1.037	4.8	154	0.00
91	T	Carbazole		0.994	0.973	2.1	156	0.00
92	T	Di-n-butylphthalate		1.094	1.057	3.4	165	0.00
93	T	Fluoranthene		1.261	1.202	4.7	156	0.00
94	T	Benzidine	*	5.000	4.471	10.6	180	0.00
95	T	Pyrene		1.372	1.327	3.3	159	0.00
96	S	4-Terphenyl-d14		0.946	0.876	7.4	157	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.011	19.8	171	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	161	0.00
105	T	Benzo(a)anthracene		1.453	1.365	6.1	165	0.00
106	T	3,3'-Dichlorobenzidine	*	5.000	4.166	16.7	165	0.00
107	T	Chrysene		1.403	1.283	8.6	161	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.731	5.4	179	0.00
109	T	Di-n-octylphthalate	*	5.000	4.234	15.3	184	0.00
110	T	Benzo(b)fluoranthene		1.251	1.204	3.8	162	0.00
111	T	Benzo(k)fluoranthene		1.251	1.148	8.2	145	0.00
112	T	Benzo(a)pyrene		1.101	1.143	-3.8	166	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	156	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.098	1.072	2.4	156	0.00
115	T	Dibenzo(a,h)anthracene		1.056	1.051	0.5	157	0.00
116	T	Benzo(ghi)perylene		0.977	0.978	-0.1	149	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.610	152	17584	4.000	ug/ml	0.00
Standard Area 1 = 14527			Recovery = 121.04%			
35) IS1_Naphthalene-d8	8.016	136	68486	4.000	ug/ml	0.00
Standard Area 1 = 53319			Recovery = 128.45%			
63) IS1_Acenaphthene-d10	9.781	164	42067	4.000	ug/ml	0.00
Standard Area 1 = 30073			Recovery = 139.88%			
88) IS1_Phenanthrene-d10	11.222	188	81472	4.000	ug/ml	0.00
Standard Area 1 = 55264			Recovery = 147.42%			
104) IS1_Chrysene-d12	13.898	240	79065	4.000	ug/ml	0.00
Standard Area 1 = 49010			Recovery = 161.32%			
113) IS1_Perylene-d12	15.386	264	82991	4.000	ug/ml	0.00
Standard Area 1 = 53266			Recovery = 155.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.798	112	22383	4.715	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.75%#			
7) Phenol-d6	6.234	99	30607	4.928	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 246.40%#			
19) Nitrobenzene-d5	7.251	82	27976	4.653	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.30%#			
46) 2-Fluorobiphenyl	9.133	172	68968	4.476	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 447.60%#			
79) 2,4,6-Tribromophenol	10.551	330	8881	4.508	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 225.40%#			
96) 4-Terphenyl-d14	12.816	244	89243	4.633	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 463.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.357	74	15100	4.836	ug/ml#	66
3) Pyridine	2.393	79	23238	4.866	ug/ml#	58
5) Aniline	6.210	93	36341	4.684	ug/ml	99
6) 2-Chlorophenol	6.351	128	27321	4.802	ug/ml	91
8) Phenol	6.251	94	32818	4.766	ug/ml	95
9) Bis(2-chloroethyl)ether	6.328	93	26073	4.755	ug/ml#	81
10) 1,3-Dichlorobenzene	6.534	146	32527	4.661	ug/ml	97
11) 1,4-Dichlorobenzene	6.628	146	33050	4.700	ug/ml	98
12) 1,2-Dichlorobenzene	6.804	146	31964	4.656	ug/ml	97
13) Benzyl alcohol	6.804	79	20848	4.697	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.981	45	33521	4.715	ug/ml#	41

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.969	108	23873	4.821	ug/ml	99
16) Hexachloroethane	7.187	117	12226	4.942	ug/ml#	65
17) n-Nitrosodi-n-propylamine	7.122	70	18192	4.801	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.151	108	25701	4.711	ug/ml	99
20) Nitrobenzene	7.275	77	27625	4.790	ug/ml	97
21) Isophorone	7.545	82	50933	4.943	ug/ml	98
22) 2-Nitrophenol	7.628	139	13021	4.444	ug/ml#	90
23) 2,4-Dimethylphenol	7.716	107	21092	4.437	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.810	93	33047	4.743	ug/ml	98
25) 2,4-Dichlorophenol	7.887	162	24986	4.815	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.969	180	28492	4.613	ug/ml	97
36) Naphthalene	8.039	128	87133	4.496	ug/ml	99
37) Benzoic Acid	7.816	105	13322	4.342	ug/ml	94
38) 4-Chloroaniline	8.116	65	10273	4.747	ug/ml	78
39) Hexachlorobutadiene	8.204	225	17854	4.660	ug/ml	99
40) p-Chloro-m-cresol	8.639	107	23667	4.887	ug/ml	99
41) 2-Methylnaphthalene	8.751	142	57763	4.576	ug/ml	95
42) 1-Methylnaphthalene	8.851	115	19728	4.837	ug/ml	98
43) Hexachlorocyclopentadiene	8.928	237	16567	4.572	ug/ml	98
44) 2,4,6-Trichlorophenol	9.045	196	19600	4.891	ug/ml	99
45) 2,4,5-Trichlorophenol	9.075	196	21125	4.962	ug/ml	98
47) 2-Chloronaphthalene	9.233	162	57688	4.416	ug/ml	96
48) 2-Nitroaniline	9.345	138	16914	4.840	ug/ml	85
49) 1,4-Dinitrobenzene	9.475	168	8087	4.300	ug/ml	80
50) 1,3-Dinitrobenzene	9.551	168	9925	4.493	ug/ml#	1
51) Dimethyl phthalate	9.545	163	70425	4.769	ug/ml#	98
52) Acenaphthylene	9.639	152	93537	4.824	ug/ml	99
53) 2,6-Dinitrotoluene	9.592	165	14781	5.114	ug/ml#	81
54) 1,2-Dinitrobenzene	9.633	168	6365	4.847	ug/ml#	1
64) 3-Nitroaniline	9.745	138	16925	5.029	ug/ml#	87
65) Acenaphthene	9.810	154	54473	4.551	ug/ml	90
66) 2,4-Dinitrophenol	9.851	184	7107	3.928	ug/ml#	87
67) Dibenzofuran	9.980	168	84859	4.294	ug/ml	98
68) 2,4-Dinitrotoluene	9.980	165	20040	4.666	ug/ml	95
69) 4-Nitrophenol	9.928	65	12555	4.718	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	10.069	232	18284	5.097	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	10.110	232	17791	5.200	ug/ml	98
72) Diethyl phthalate	10.239	149	65096	4.664	ug/ml	98
73) Fluorene	10.316	166	67628	4.579	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.333	204	33757	4.502	ug/ml	89

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.339	138	16075M6	4.774	ug/ml	
76)	4,6-Dinitro-o-cresol	10.375	198	10228	3.991	ug/ml#	64
77)	NDPA/DPA	10.445	169	58770	4.794	ug/ml	97
78)	Azobenzene	10.480	77	63508	4.924	ug/ml	95
80)	4-Bromophenyl phenyl e...	10.804	248	18126	4.478	ug/ml#	87
81)	Hexachlorobenzene	10.857	284	20239	4.531	ug/ml	89
82)	Pentachlorophenol	11.051	266	12741	4.240	ug/ml	99
89)	Phenanthrene	11.245	178	105121	4.483	ug/ml	99
90)	Anthracene	11.298	178	105625	4.762	ug/ml	98
91)	Carbazole	11.463	167	99085	4.896	ug/ml	98
92)	Di-n-butylphthalate	11.845	149	107649	4.831	ug/ml	98
93)	Fluoranthene	12.410	202	122428	4.767	ug/ml#	92
94)	Benzidine	12.557	184	66217	4.471	ug/ml#	93
95)	Pyrene	12.627	202	135123	4.836	ug/ml	99
97)	Butyl benzyl phthalate	13.345	149	45300	4.011	ug/ml	90
105)	Benzo(a)anthracene	13.886	228	134874	4.695	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.880	252	42776	4.166	ug/ml#	98
107)	Chrysene	13.921	228	126820	4.572	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	13.992	149	73243	4.731	ug/ml#	95
109)	Di-n-octylphthalate	14.680	149	113743	4.234	ug/ml#	71
110)	Benzo(b)fluoranthene	15.010	252	119034	4.812	ug/ml#	93
111)	Benzo(k)fluoranthene	15.039	252	113429	4.586	ug/ml#	95
112)	Benzo(a)pyrene	15.333	252	112953	5.192	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.415	276	111237M6	4.883	ug/mL	
115)	Dibenzo(a,h)anthracene	16.439	278	109077	4.980	ug/ml#	92
116)	Benzo(ghi)perylene	16.686	276	101486	5.005	ug/ml#	89

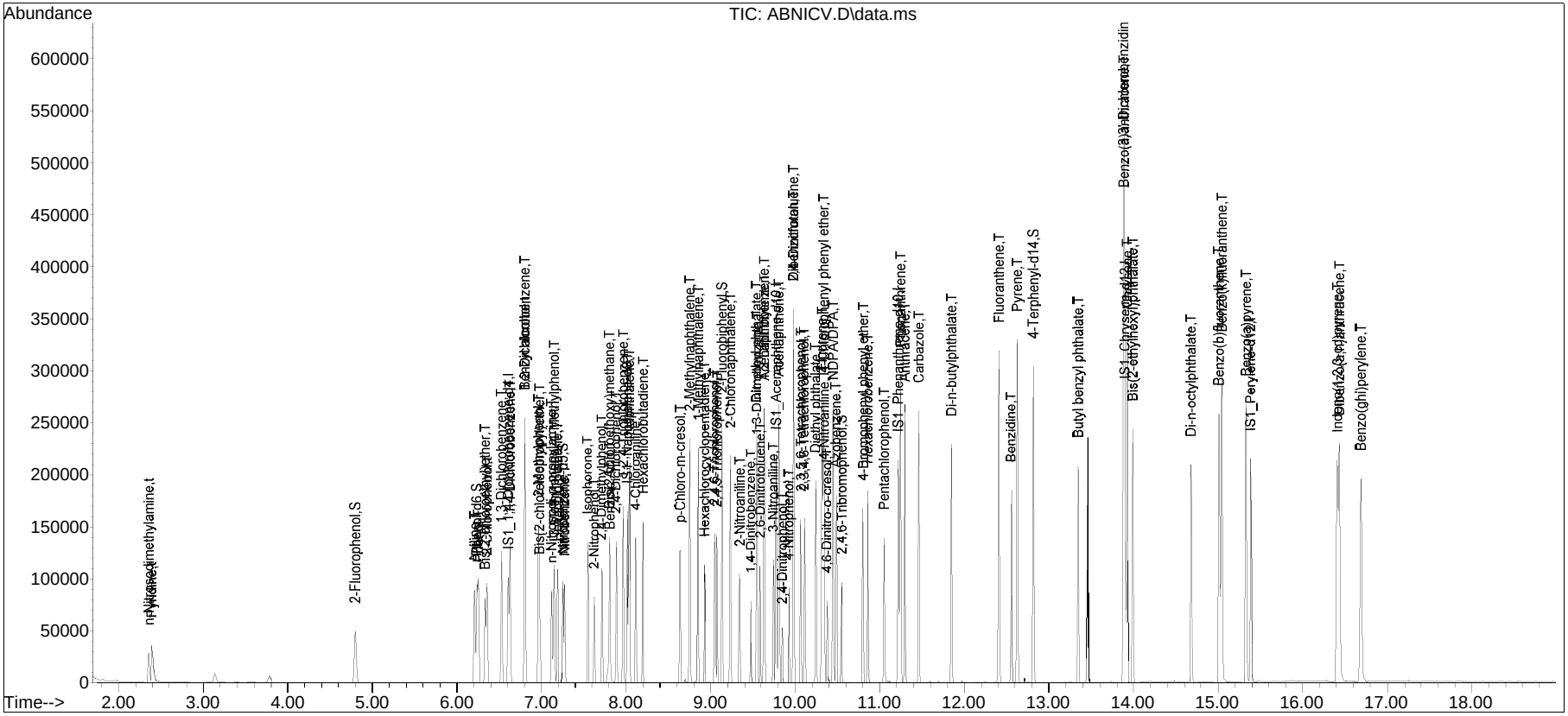
(#) = qualifier out of range (m) = manual integration (+) = signals summed

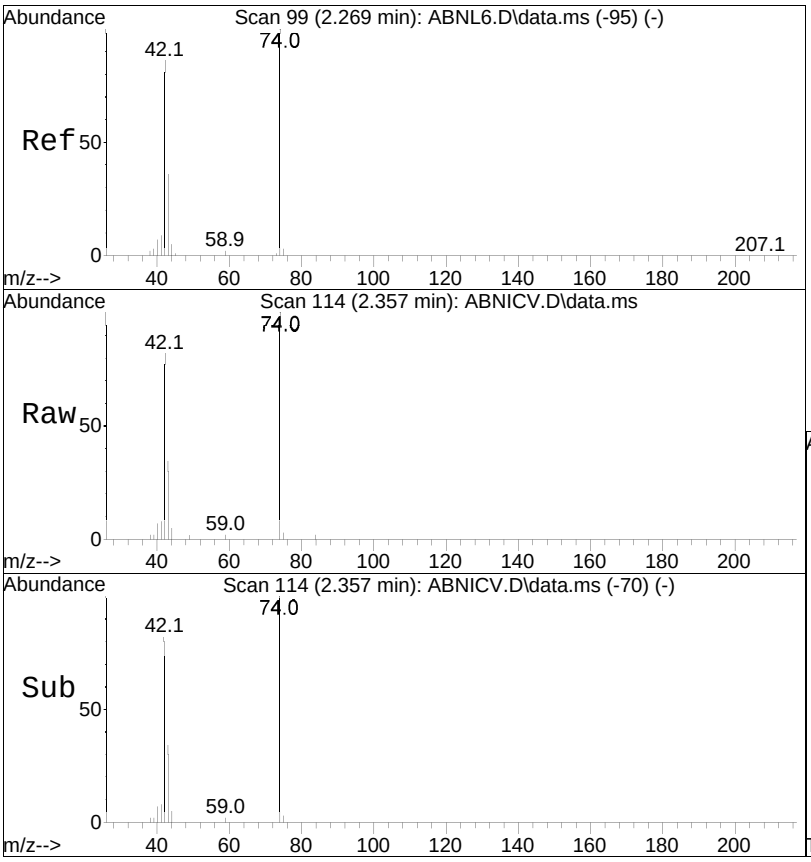
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ABNICV.D
Acq On : 31 Jul 2024 3:03 am
Operator : SV107:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1954578,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 02 07:59:20 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL6.D•

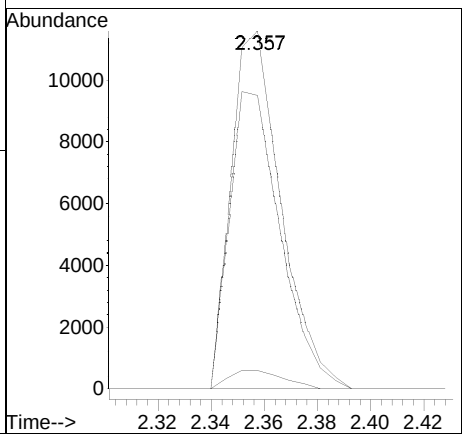


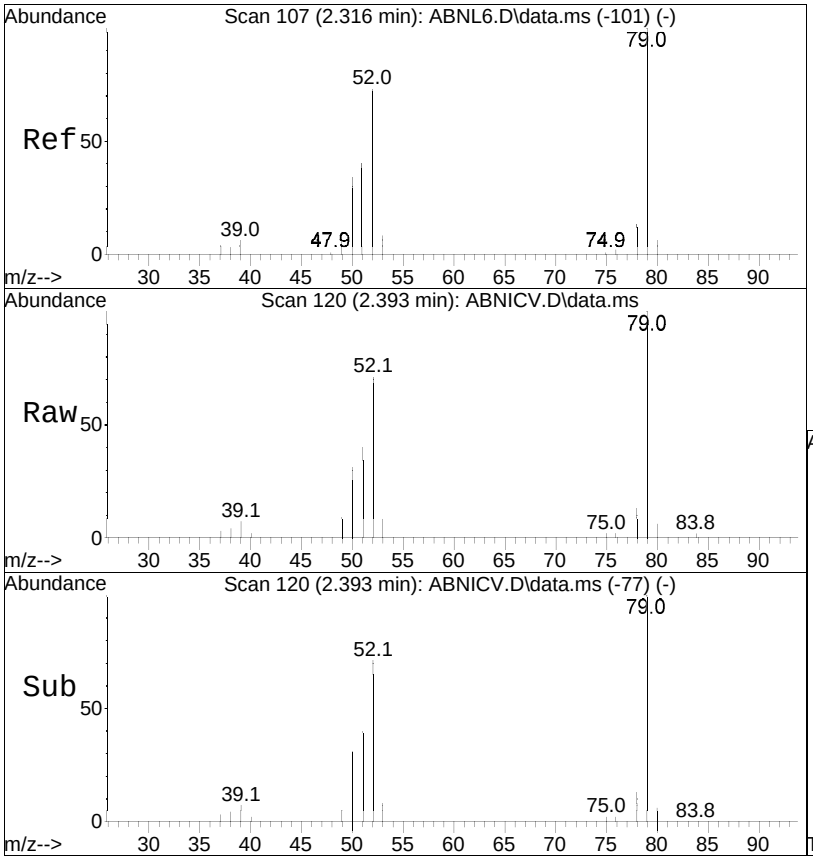


#2
n-Nitrosodimethylamine
Concen: 4.84 ug/ml
RT: 2.357 min Scan# 114
Delta R.T. 0.011 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 74 Resp: 15100

Ion	Ratio	Lower	Upper
74	100		
42	84.5	100.0	150.0#
44	5.5	6.7	10.1#

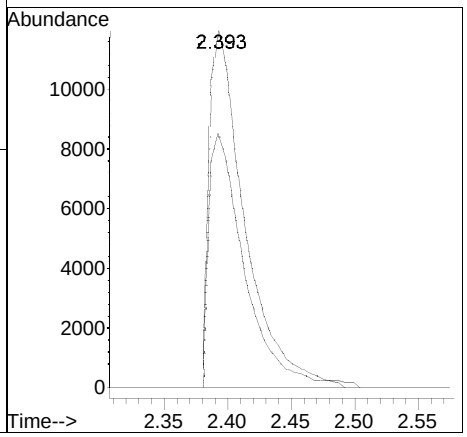


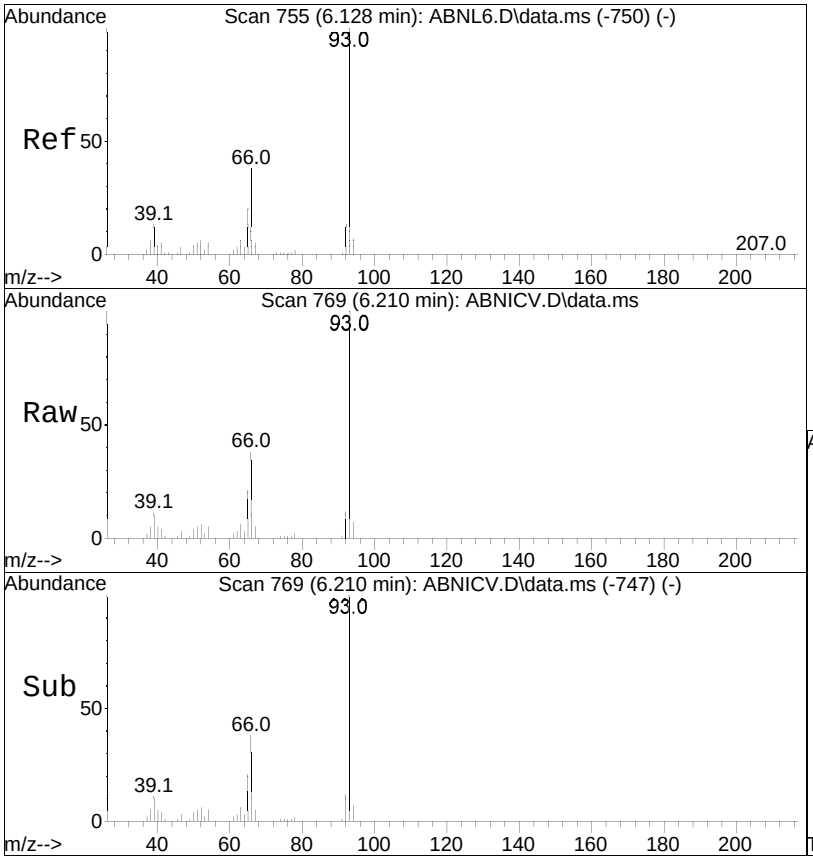


#3
Pyridine
Concen: 4.87 ug/ml
RT: 2.393 min Scan# 120
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 79 Resp: 23238

Ion	Ratio	Lower	Upper
79	100		
52	71.0	93.1	139.7#

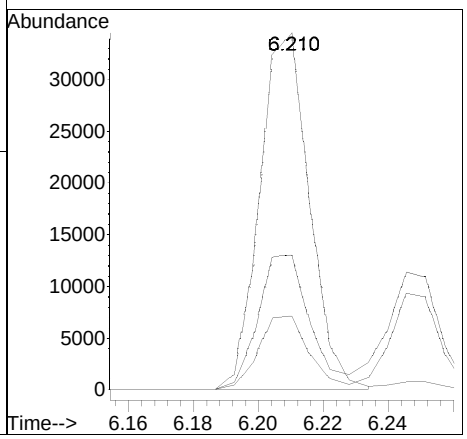


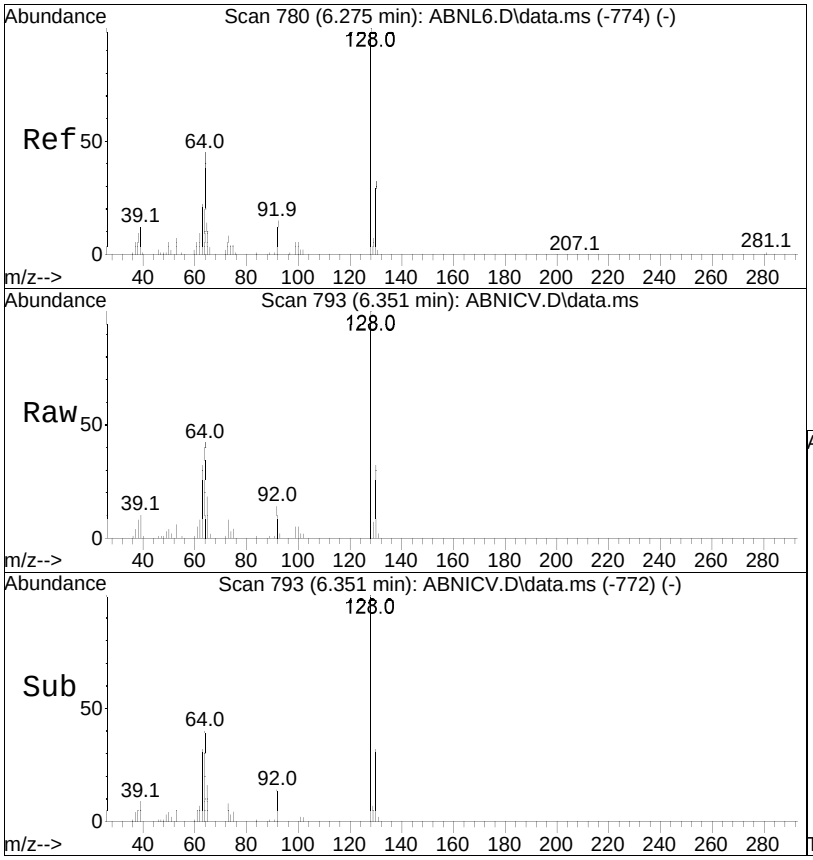


#5
Aniline
Concen: 4.68 ug/ml
RT: 6.210 min Scan# 769
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 93 Resp: 36341

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.6	49.0
65	21.3	17.6	26.4

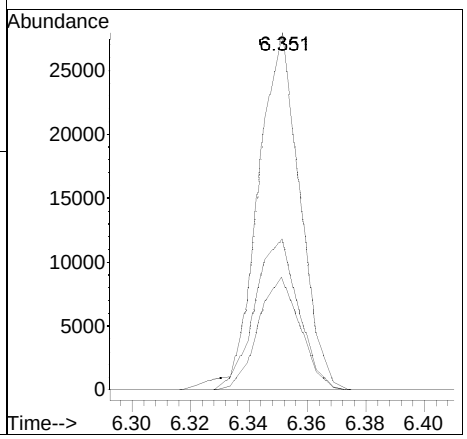


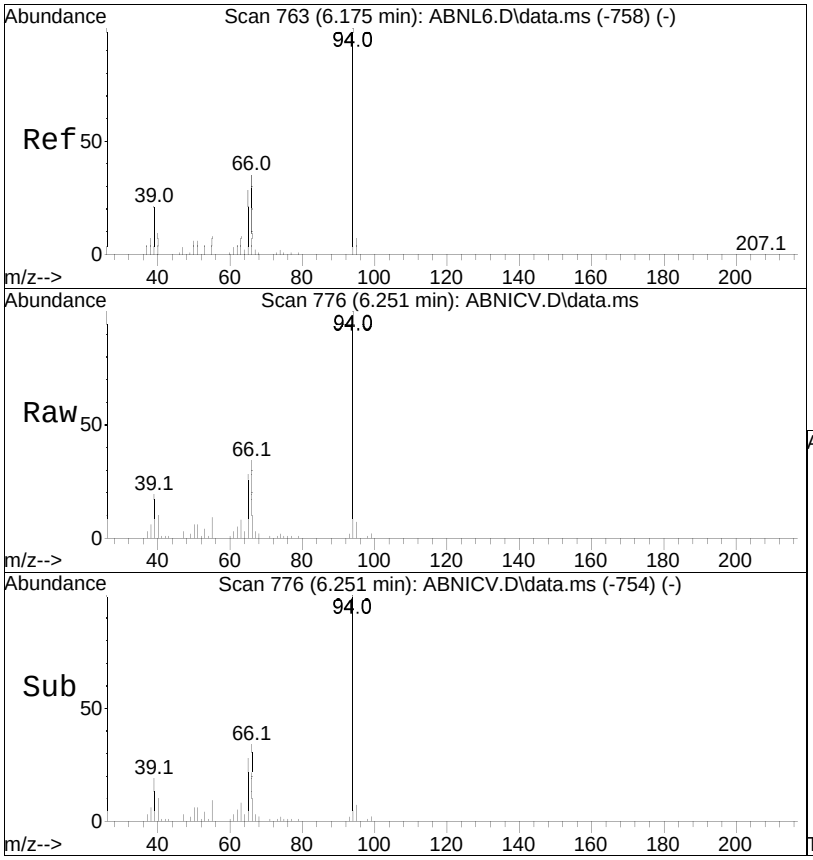


#6
2-Chlorophenol
Concen: 4.80 ug/ml
RT: 6.351 min Scan# 793
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:128 Resp: 27321

Ion	Ratio	Lower	Upper
128	100		
64	46.6	45.1	67.7
130	32.2	26.2	39.4

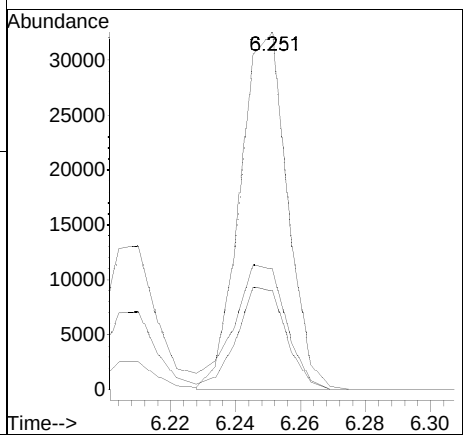


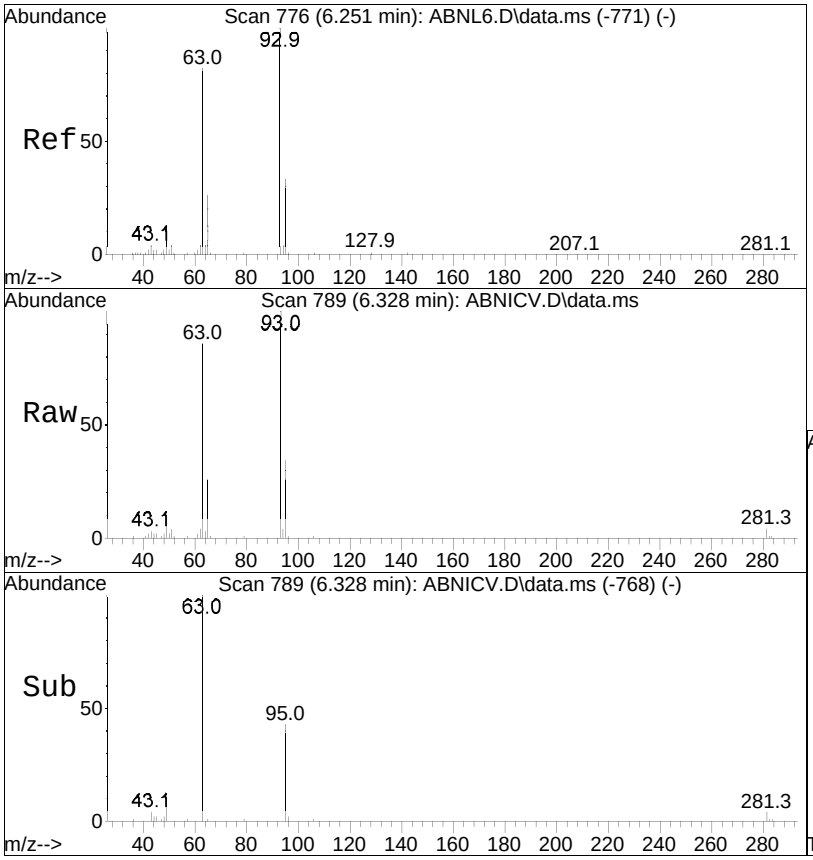


#8
Phenol
Concen: 4.77 ug/ml
RT: 6.251 min Scan# 776
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 94 Resp: 32818

Ion	Ratio	Lower	Upper
94	100		
65	29.8	26.0	39.0
66	38.5	33.8	50.8

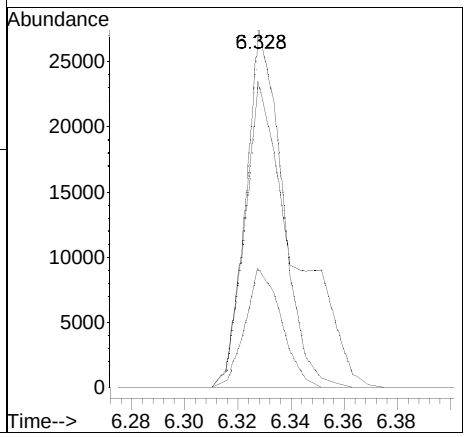


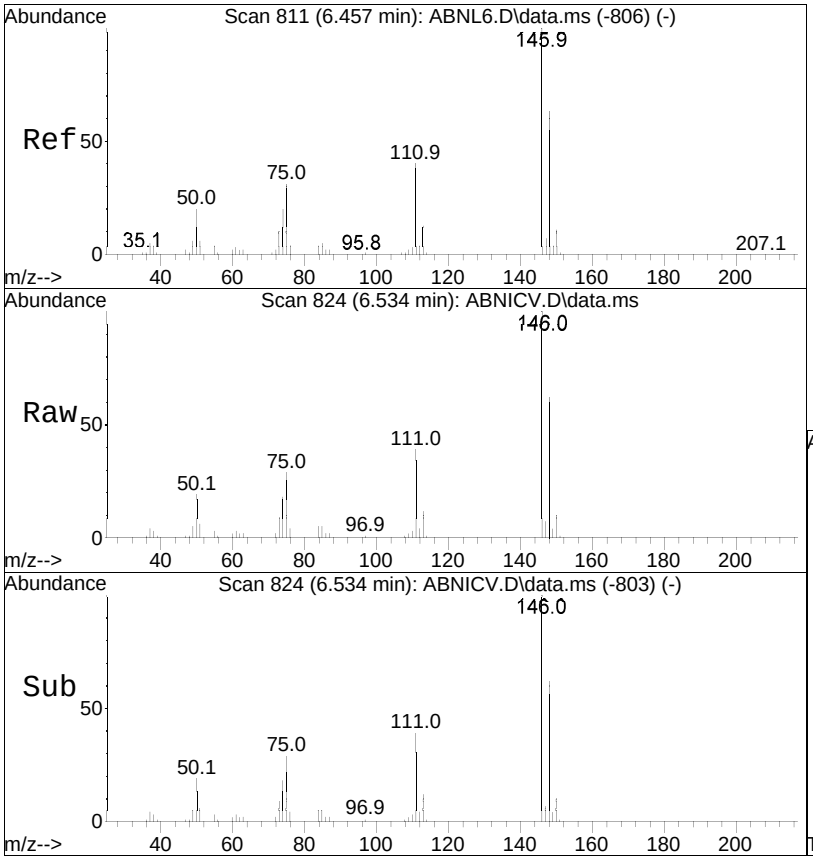


#9
Bis(2-chloroethyl)ether
Concen: 4.76 ug/ml
RT: 6.328 min Scan# 789
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 93 Resp: 26073

Ion	Ratio	Lower	Upper
93	100		
63	117.1	74.6	111.8#
95	33.1	25.9	38.9

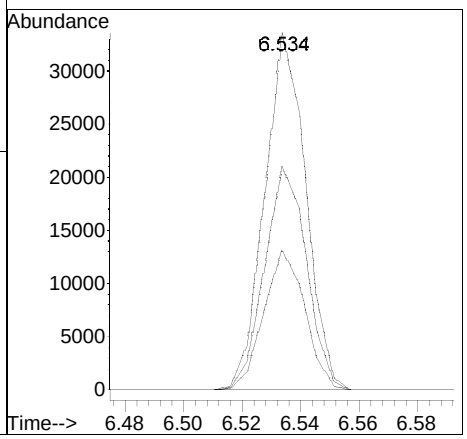


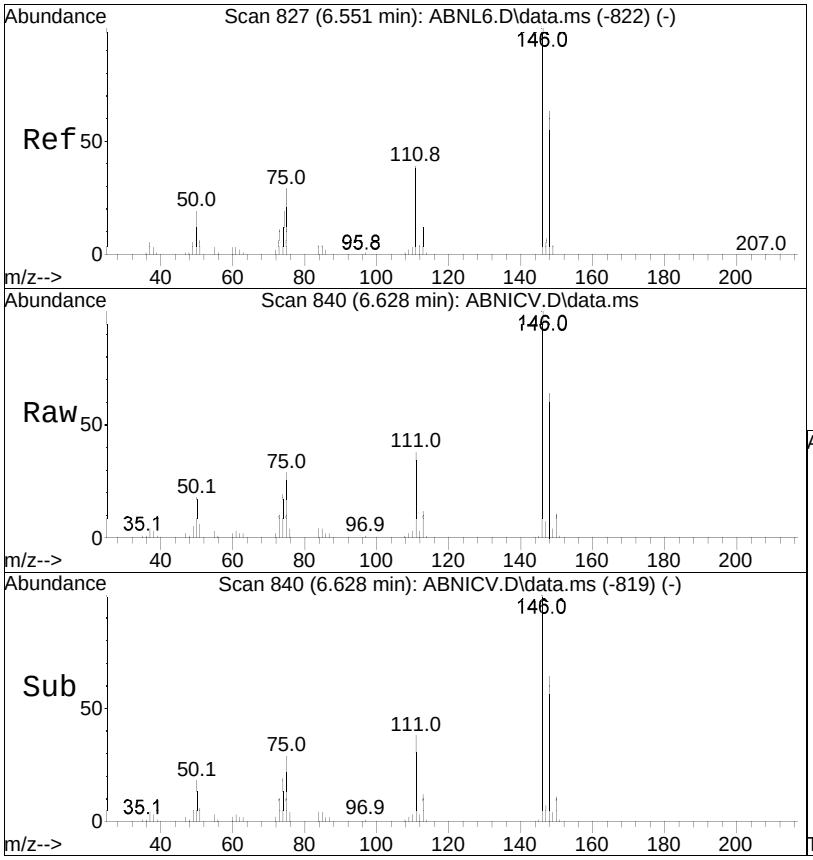


#10
1,3-Dichlorobenzene
Concen: 4.66 ug/ml
RT: 6.534 min Scan# 824
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:146 Resp: 32527

Ion	Ratio	Lower	Upper
146	100		
111	39.4	34.3	51.5
148	64.0	50.8	76.2

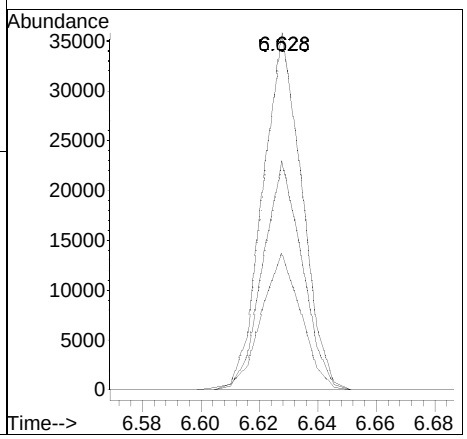


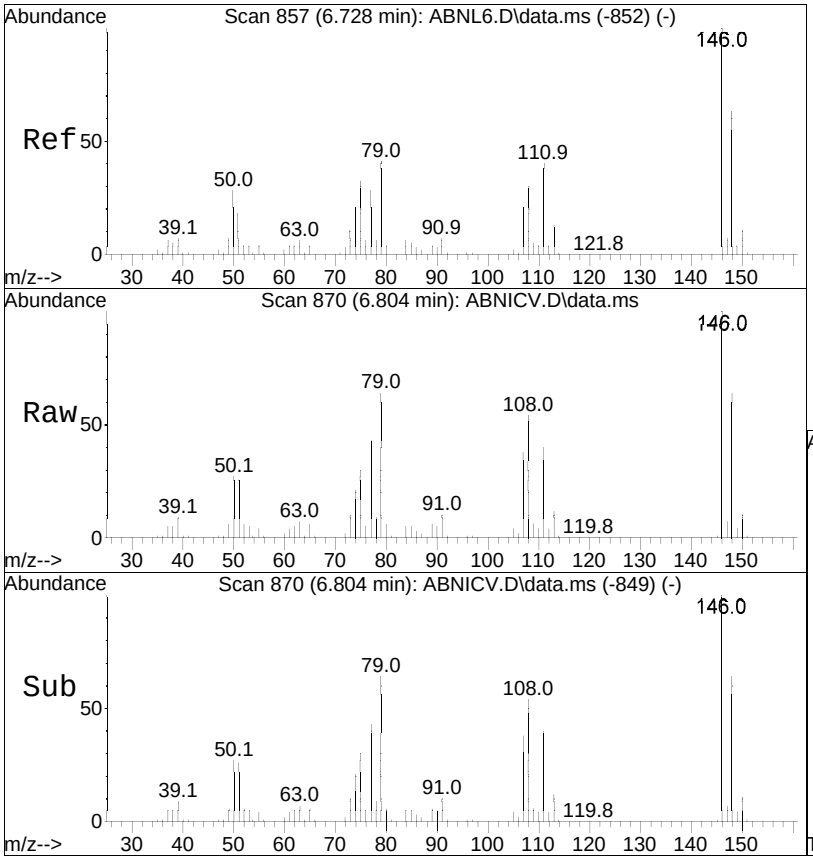


#11
1,4-Dichlorobenzene
Concen: 4.70 ug/ml
RT: 6.628 min Scan# 840
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:146 Resp: 33050

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.7	76.1
111	39.2	33.4	50.0

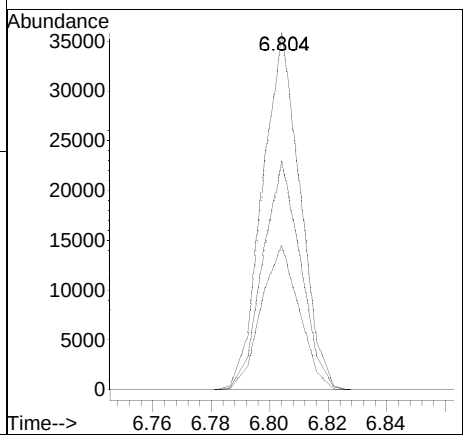


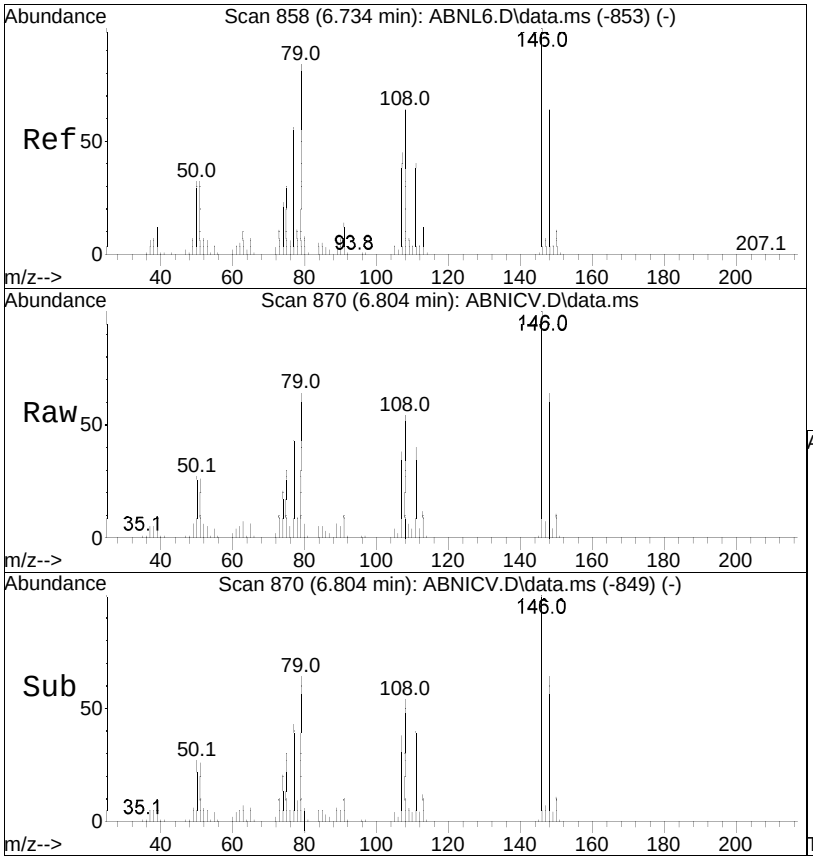


#12
1,2-Dichlorobenzene
Concen: 4.66 ug/ml
RT: 6.804 min Scan# 870
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:146 Resp: 31964

Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.6	52.0
148	64.2	50.2	75.4

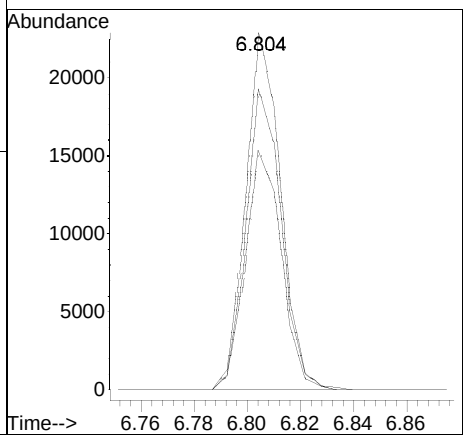


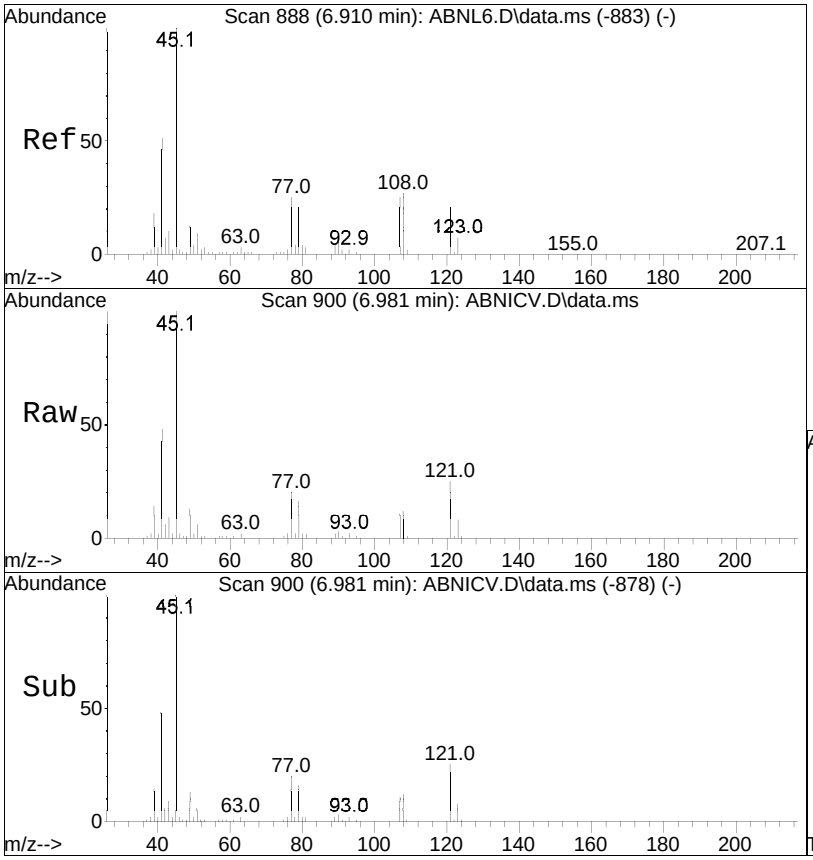


#13
Benzyl alcohol
Concen: 4.70 ug/ml
RT: 6.804 min Scan# 870
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 79 Resp: 20848

Ion	Ratio	Lower	Upper
79	100		
77	69.1	54.9	82.3
108	84.7	63.1	94.7

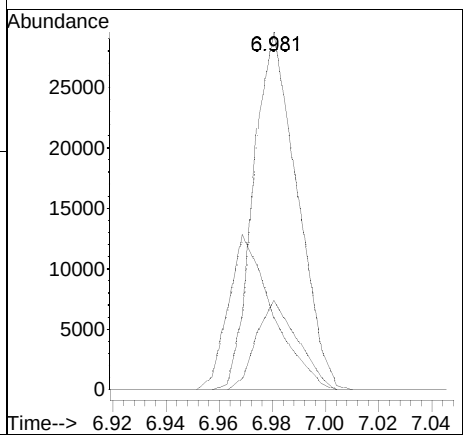


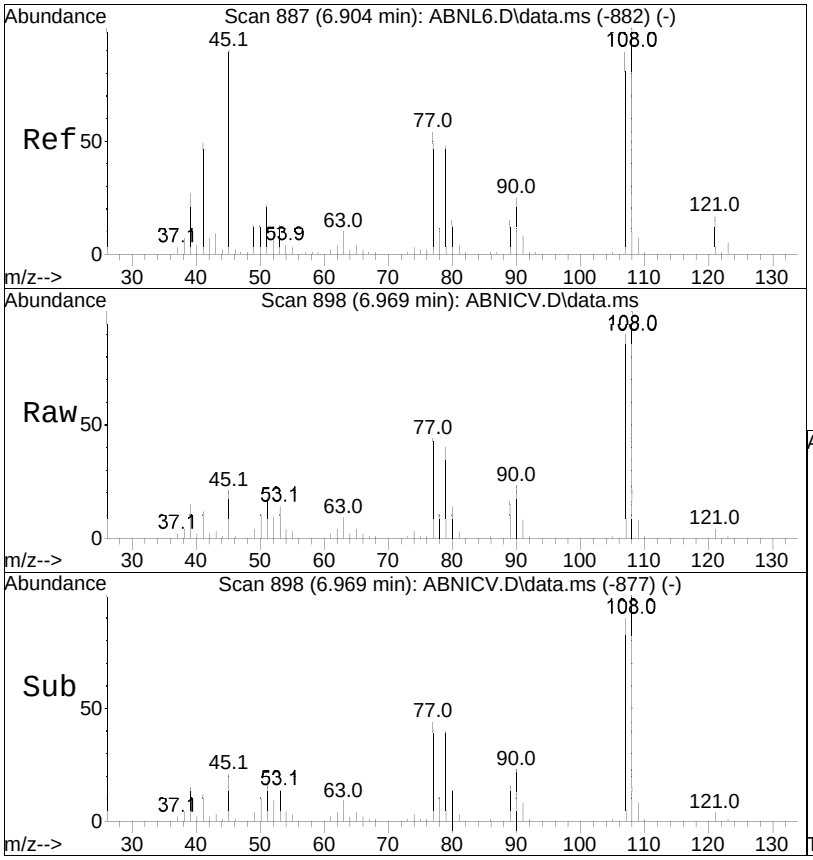


#14
Bis(2-chloroisopropyl)ether
Concen: 4.71 ug/ml
RT: 6.981 min Scan# 900
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 45 Resp: 33521

Ion	Ratio	Lower	Upper
45	100		
121	23.8	9.8	14.6#
77	44.5	6.1	9.1#

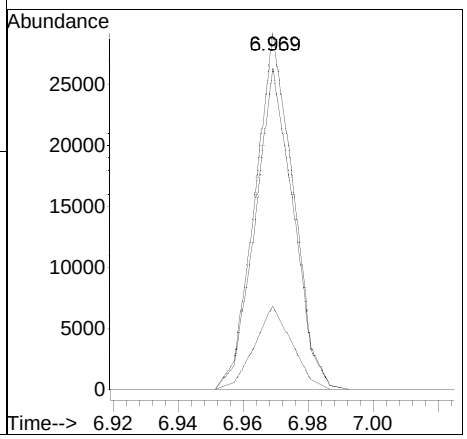


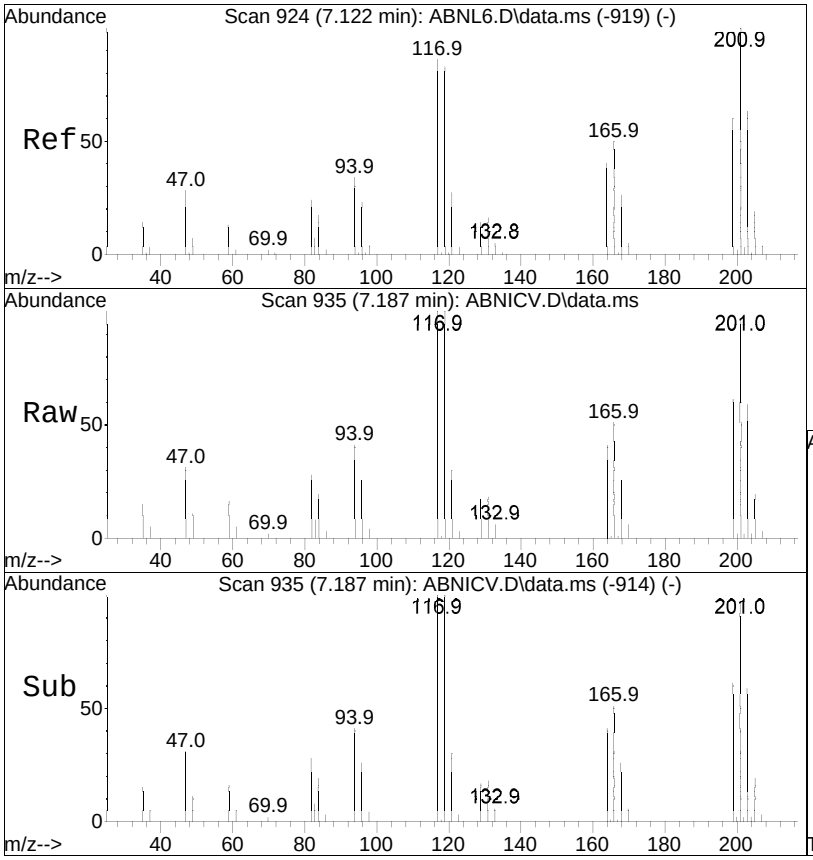


#15
2-Methylphenol
Concen: 4.82 ug/ml
RT: 6.969 min Scan# 898
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:108 Resp: 23873

Ion	Ratio	Lower	Upper
108	100		
107	89.6	70.7	106.1
90	22.9	18.7	28.1

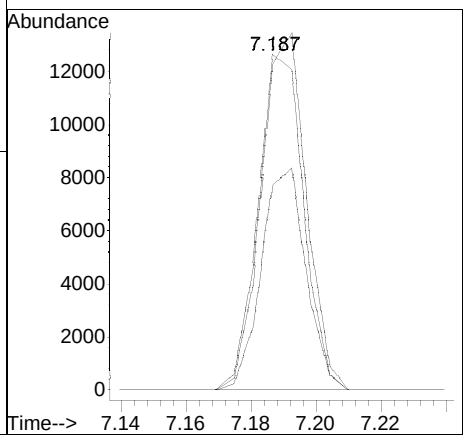


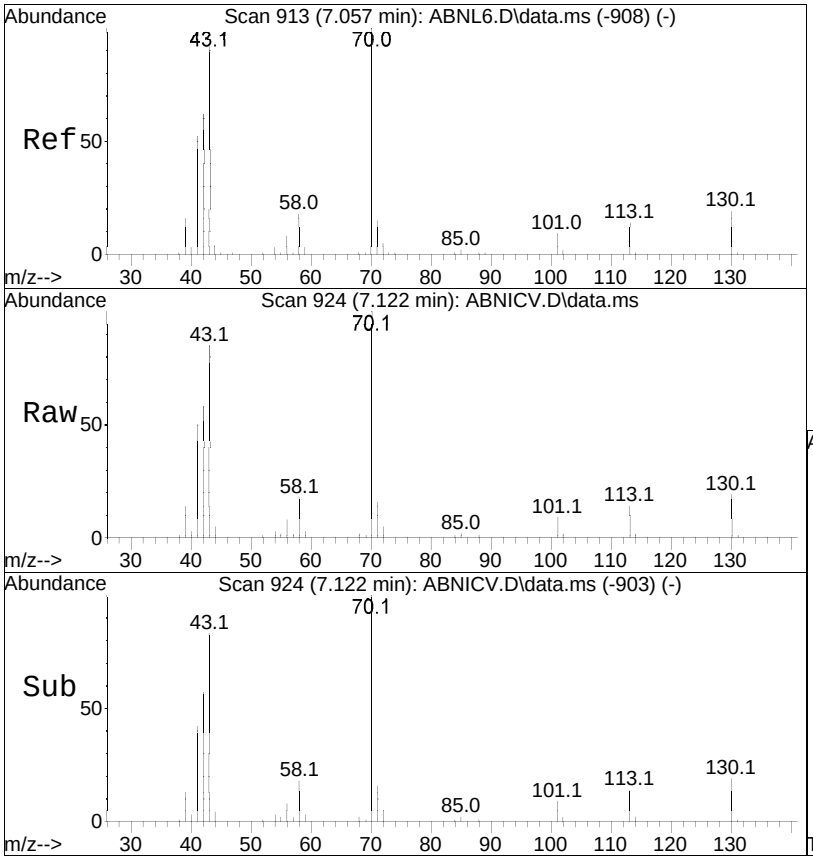


#16
Hexachloroethane
Concen: 4.94 ug/ml
RT: 7.187 min Scan# 935
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:117 Resp: 12226

Ion	Ratio	Lower	Upper
117	100		
201	105.5	58.6	87.8#
199	65.0	36.9	55.3#

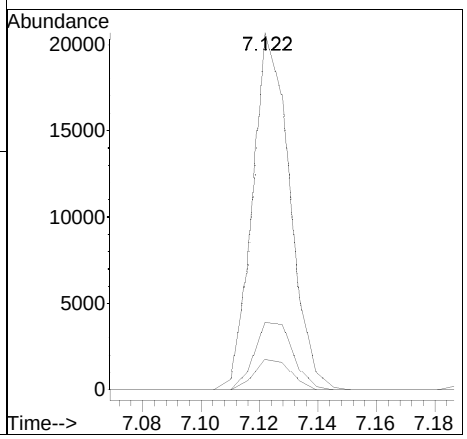


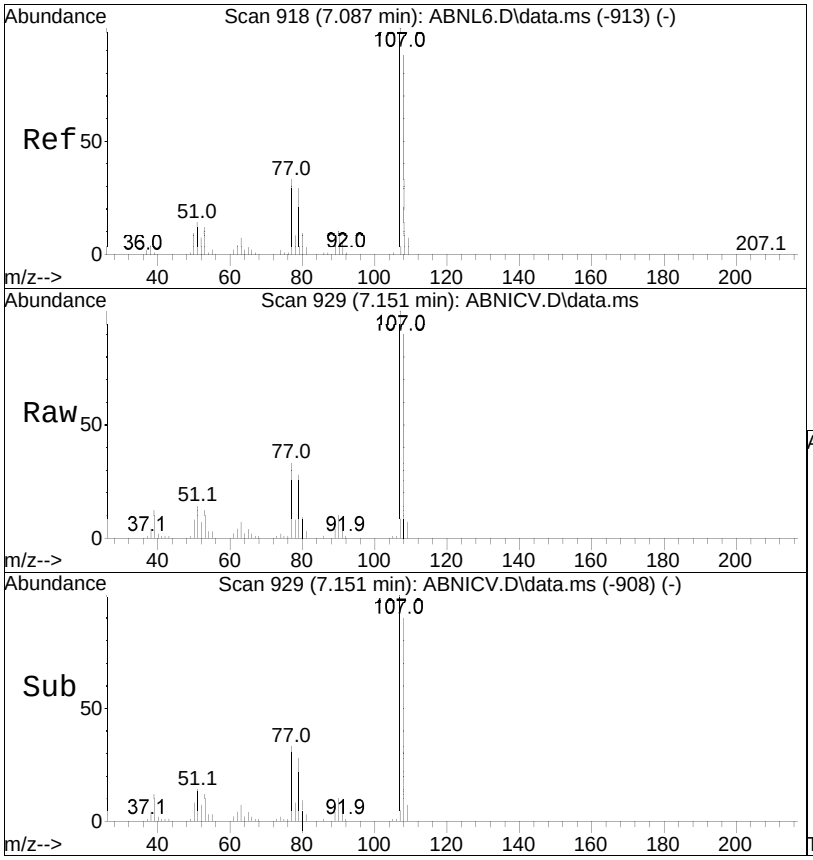


#17
n-Nitrosodi-n-propylamine
Concen: 4.80 ug/ml
RT: 7.122 min Scan# 924
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 70 Resp: 18192

Ion	Ratio	Lower	Upper
70	100		
130	19.7	18.2	27.4
101	8.5	7.8	11.8

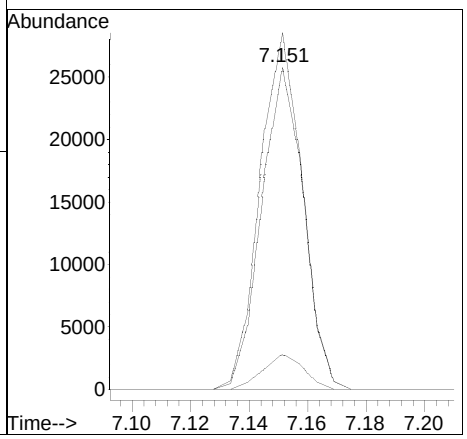


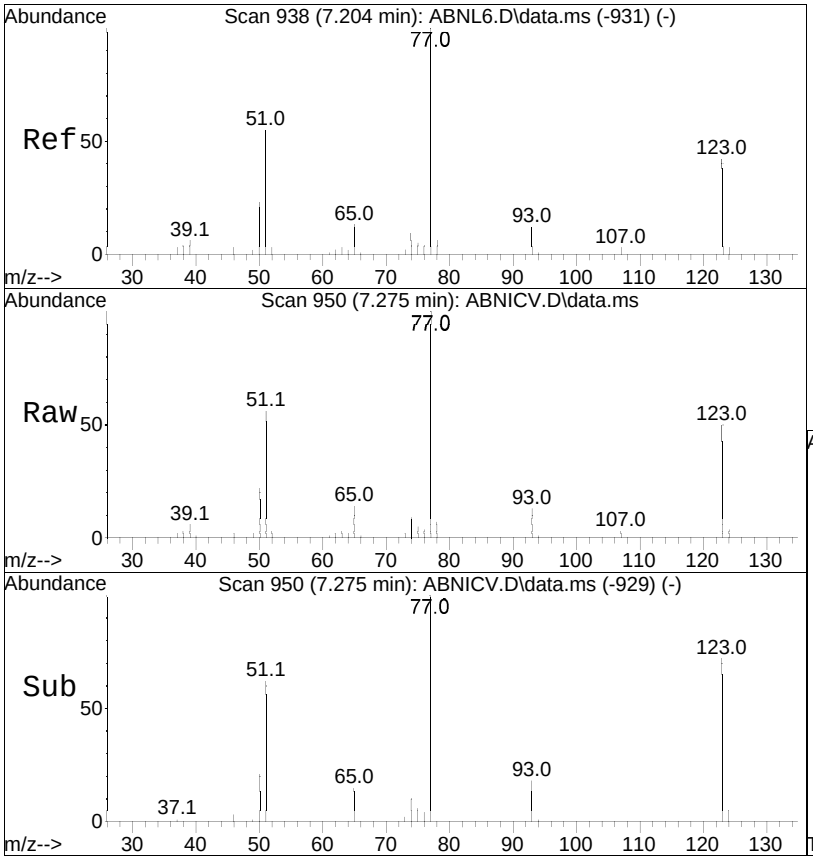


#18
3-Methylphenol/4-Methylphenol
Concen: 4.71 ug/ml
RT: 7.151 min Scan# 929
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:108 Resp: 25701

Ion	Ratio	Lower	Upper
108	100		
107	111.5	88.6	132.8
90	10.7	8.8	13.2

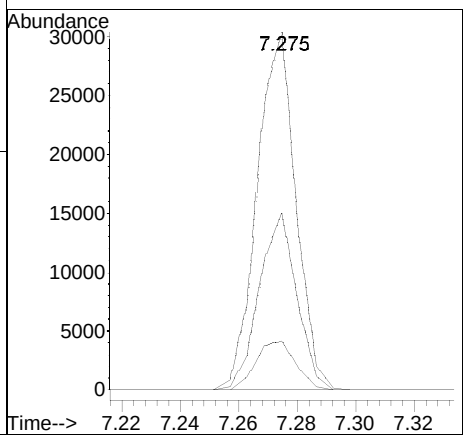


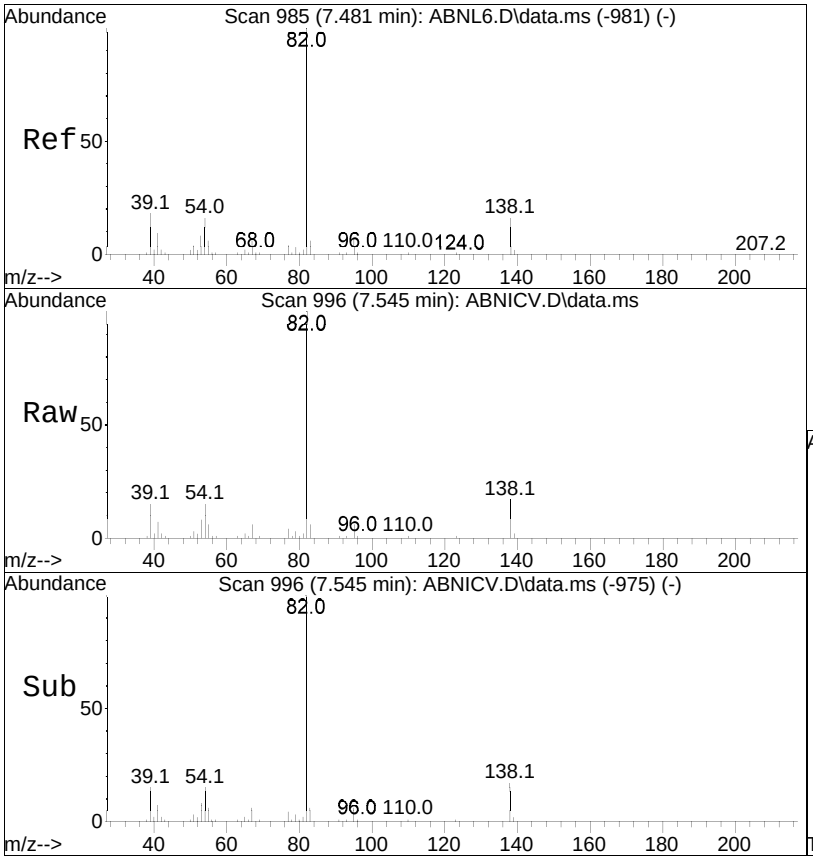


#20
Nitrobenzene
Concen: 4.79 ug/ml
RT: 7.275 min Scan# 950
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 77 Resp: 27625

Ion	Ratio	Lower	Upper
77	100		
123	47.9	36.3	54.5
65	14.2	11.6	17.4

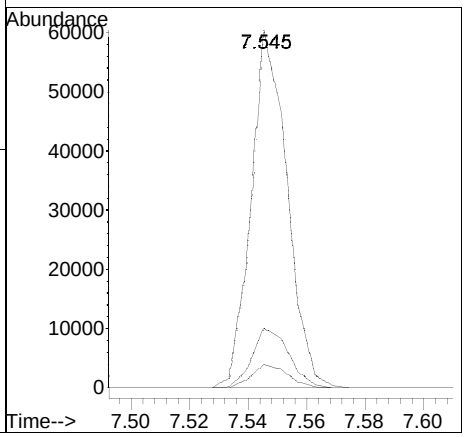


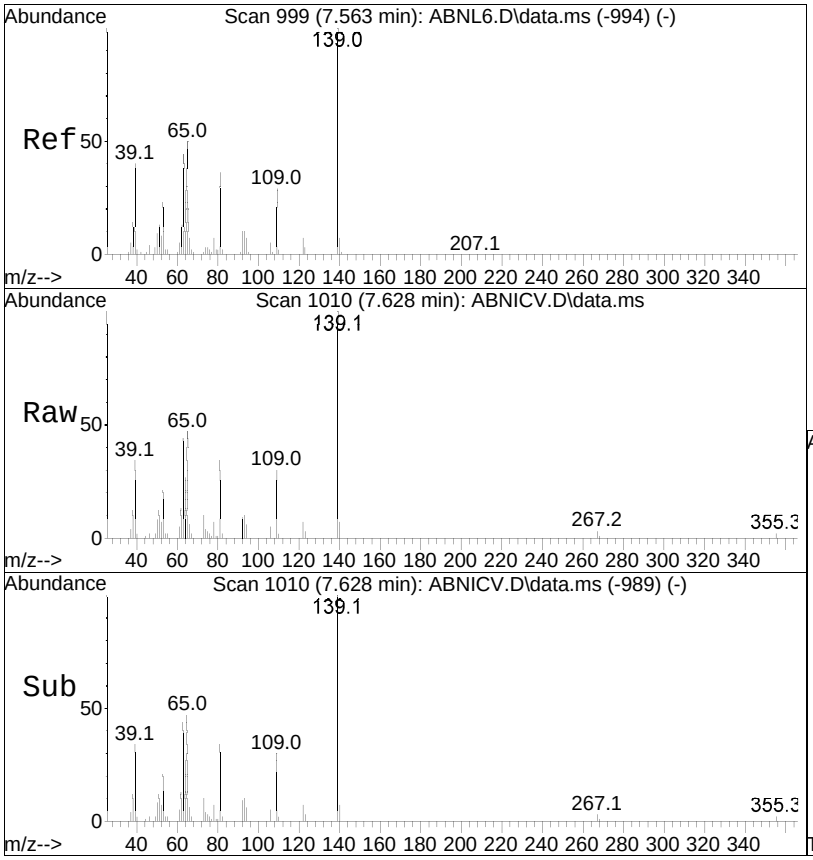


#21
Isophorone
Concen: 4.94 ug/ml
RT: 7.545 min Scan# 996
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 82 Resp: 50933

Ion	Ratio	Lower	Upper
82	100		
138	17.1	14.7	22.1
95	6.6	5.2	7.8

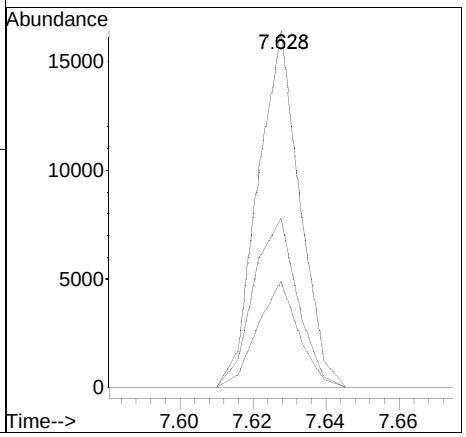


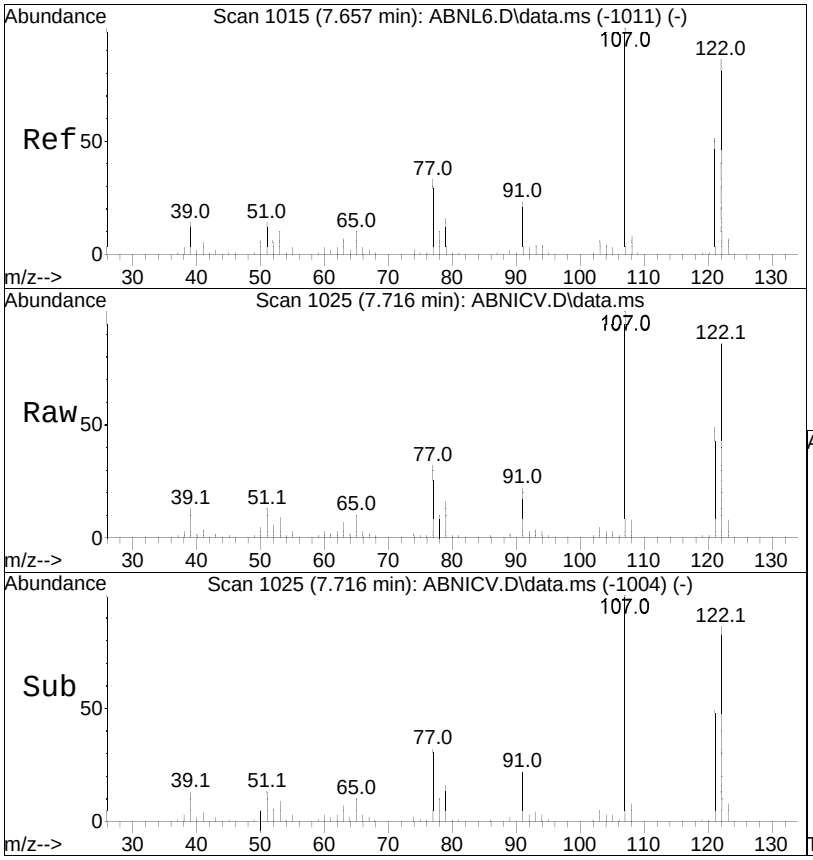


#22
2-Nitrophenol
Concen: 4.44 ug/ml
RT: 7.628 min Scan# 1010
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:139 Resp: 13021

Ion	Ratio	Lower	Upper
139	100		
109	29.6	19.4	29.0#
65	50.3	46.1	69.1

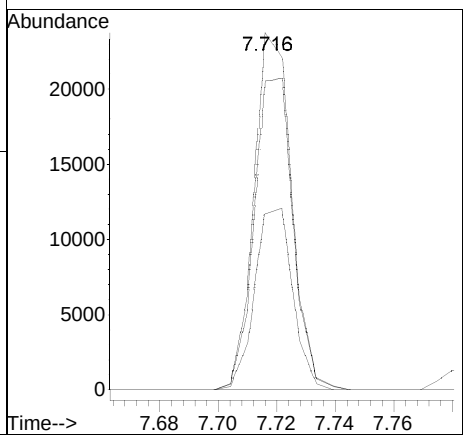


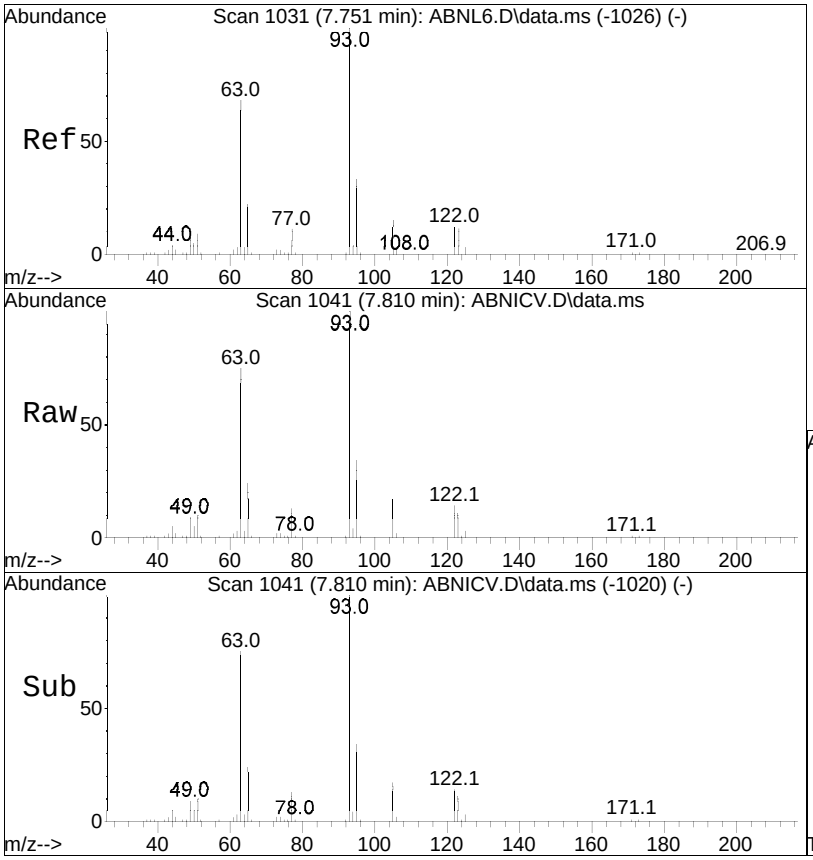


#23
2,4-Dimethylphenol
Concen: 4.44 ug/ml
RT: 7.716 min Scan# 1025
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:107 Resp: 21092

Ion	Ratio	Lower	Upper
107	100		
121	51.6	40.0	60.0
122	89.9	70.2	105.4

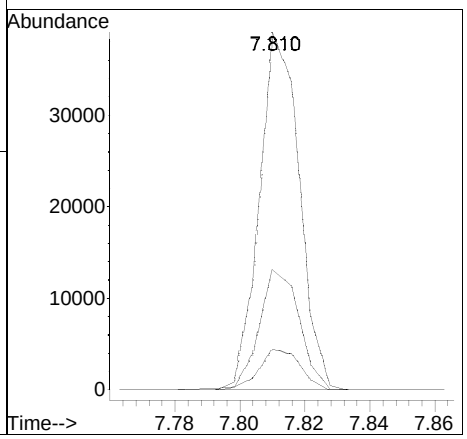


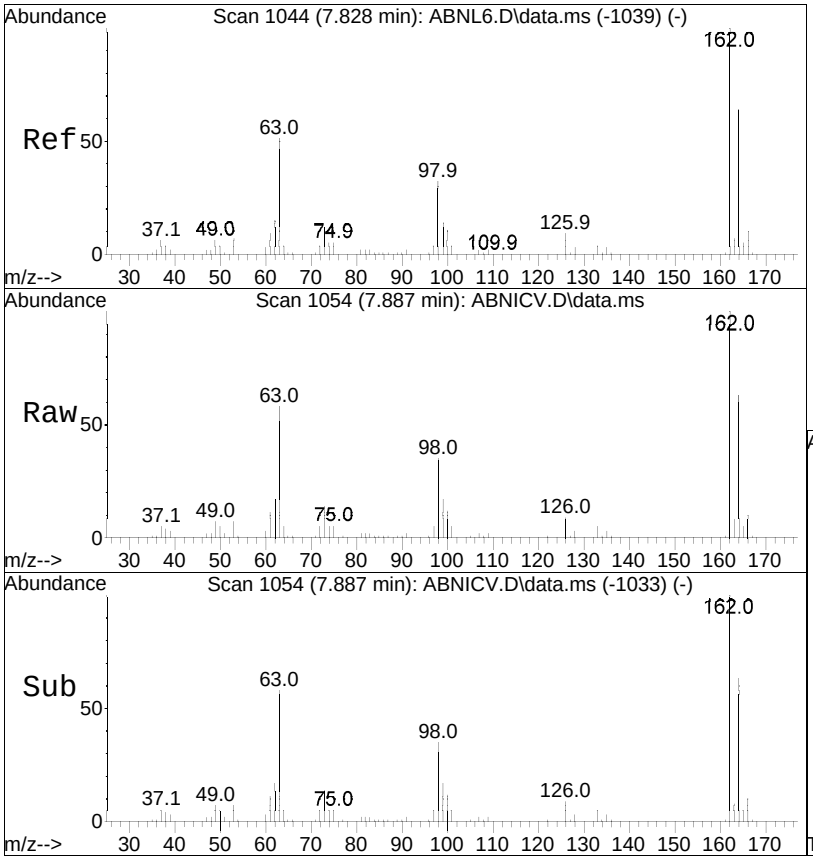


#24
Bis(2-chloroethoxy)methane
Concen: 4.74 ug/ml
RT: 7.810 min Scan# 1041
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 93 Resp: 33047

Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.8	38.8
123	12.4	10.1	15.1

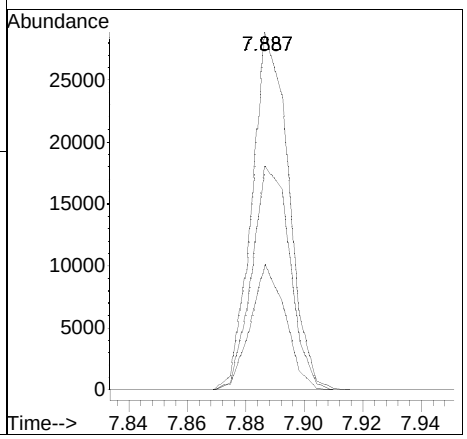


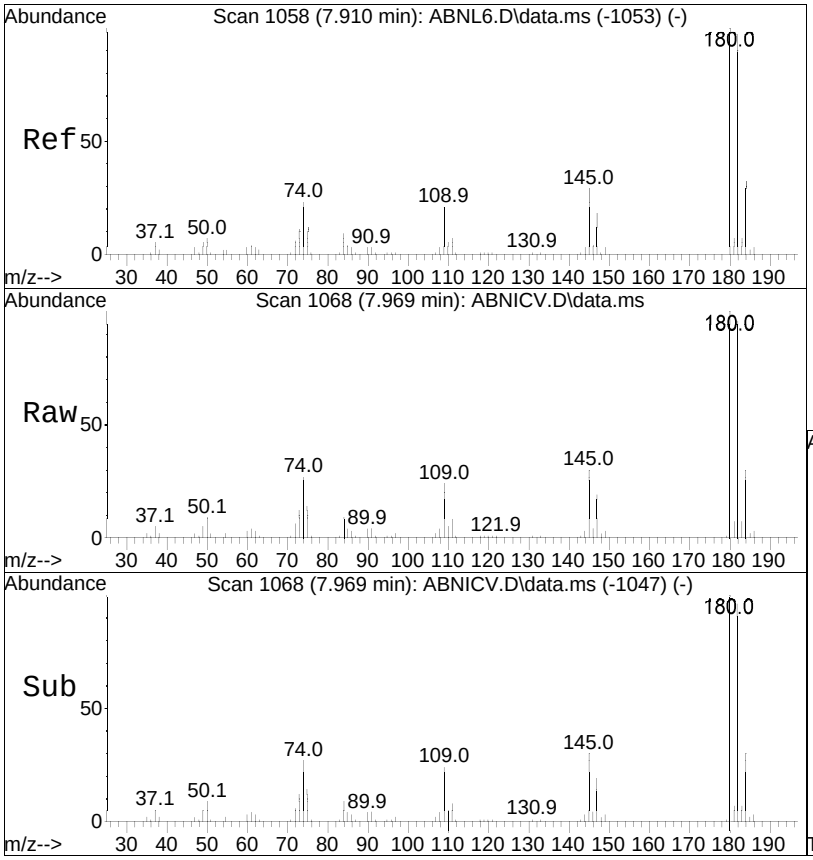


#25
2,4-Dichlorophenol
Concen: 4.81 ug/ml
RT: 7.887 min Scan# 1054
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:162 Resp: 24986

Ion	Ratio	Lower	Upper
162	100		
164	64.9	51.0	76.4
98	33.6	32.2	48.2

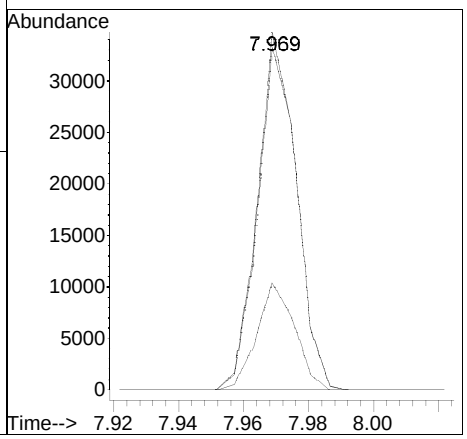


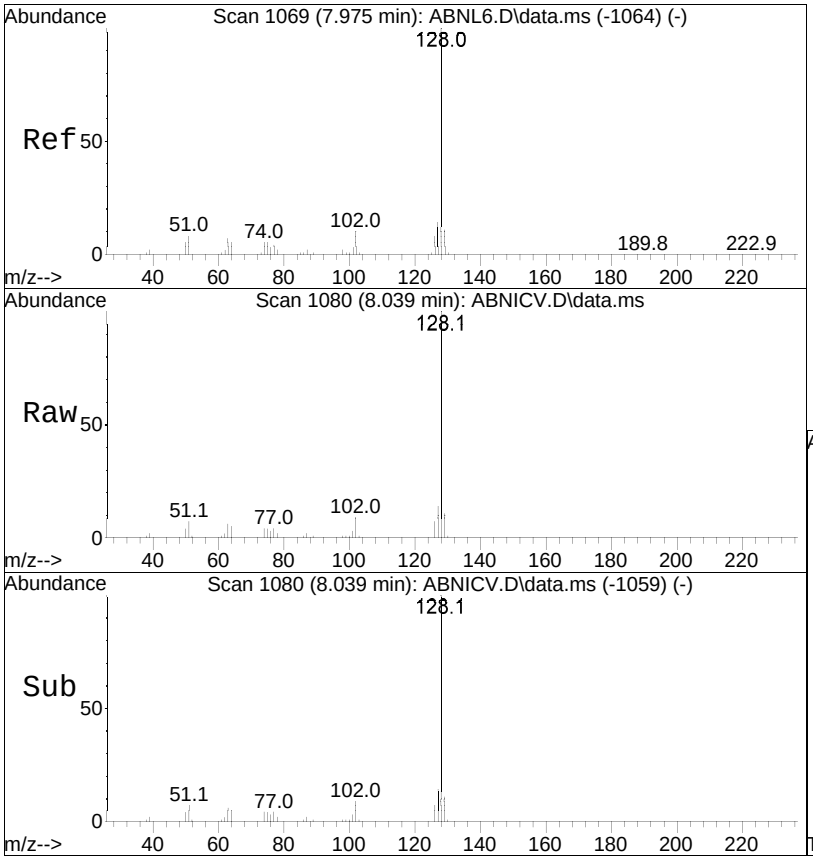


#26
1,2,4-Trichlorobenzene
Concen: 4.61 ug/ml
RT: 7.969 min Scan# 1068
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:180 Resp: 28492

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.0	114.0
145	29.3	25.7	38.5

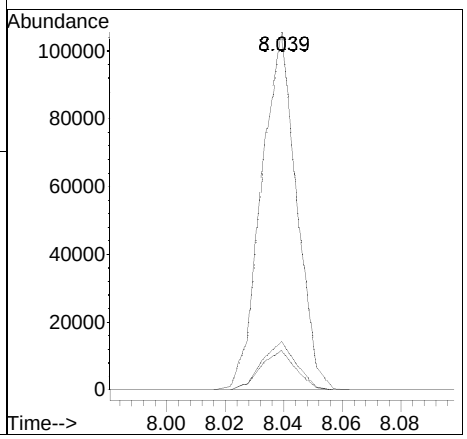


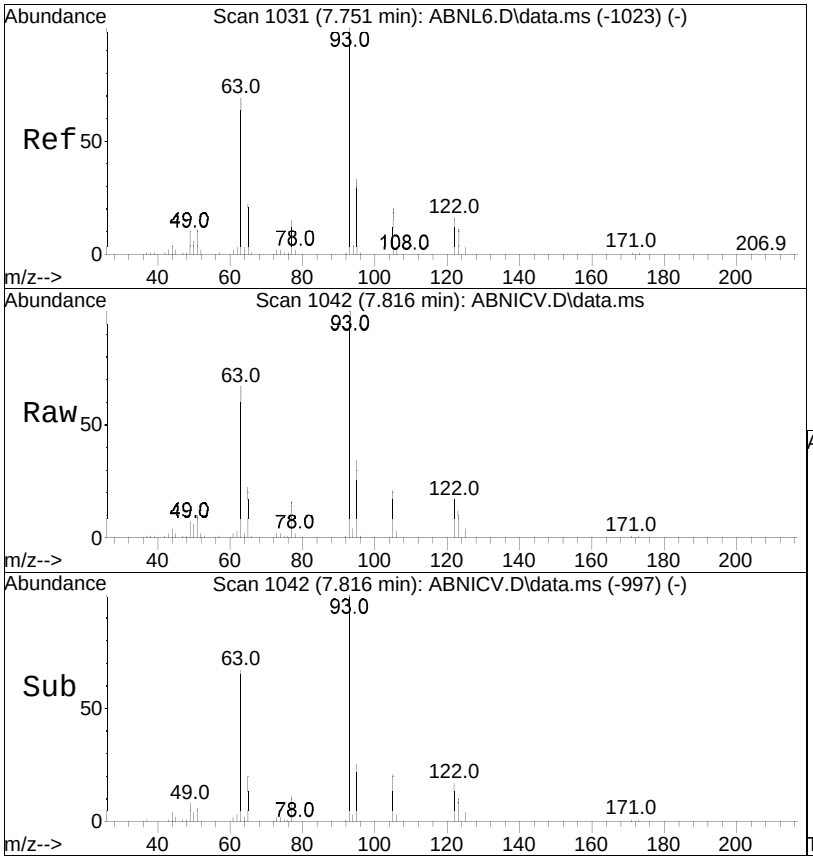


#36
Naphthalene
Concen: 4.50 ug/ml
RT: 8.039 min Scan# 1080
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:128 Resp: 87133

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.4	10.3	15.5

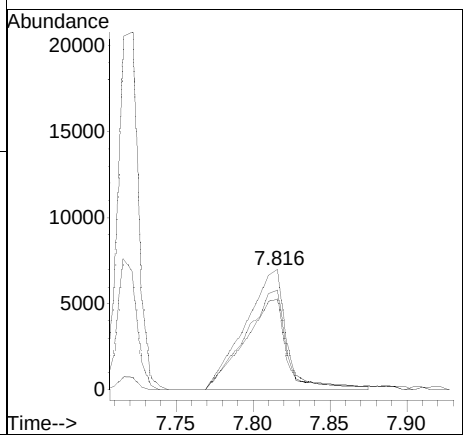


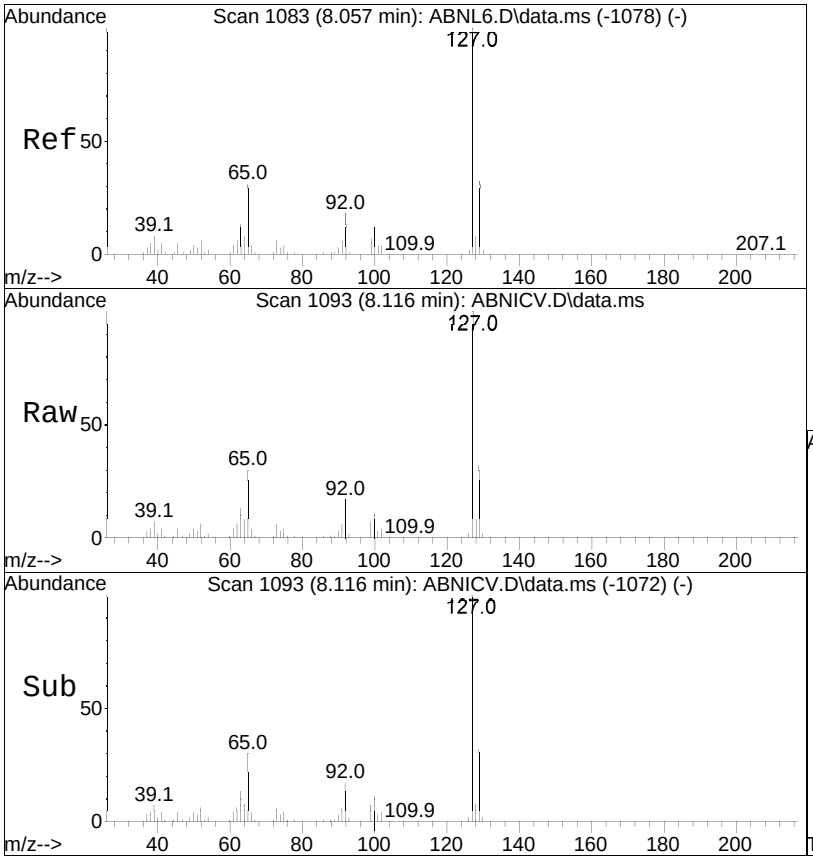


#37
Benzoic Acid
Concen: 4.34 ug/ml
RT: 7.816 min Scan# 1042
Delta R.T. 0.012 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:105 Resp: 13322

Ion	Ratio	Lower	Upper
105	100		
122	84.2	59.9	89.9
77	75.7	60.1	90.1

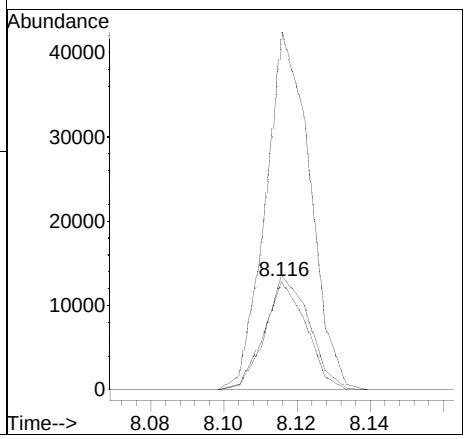


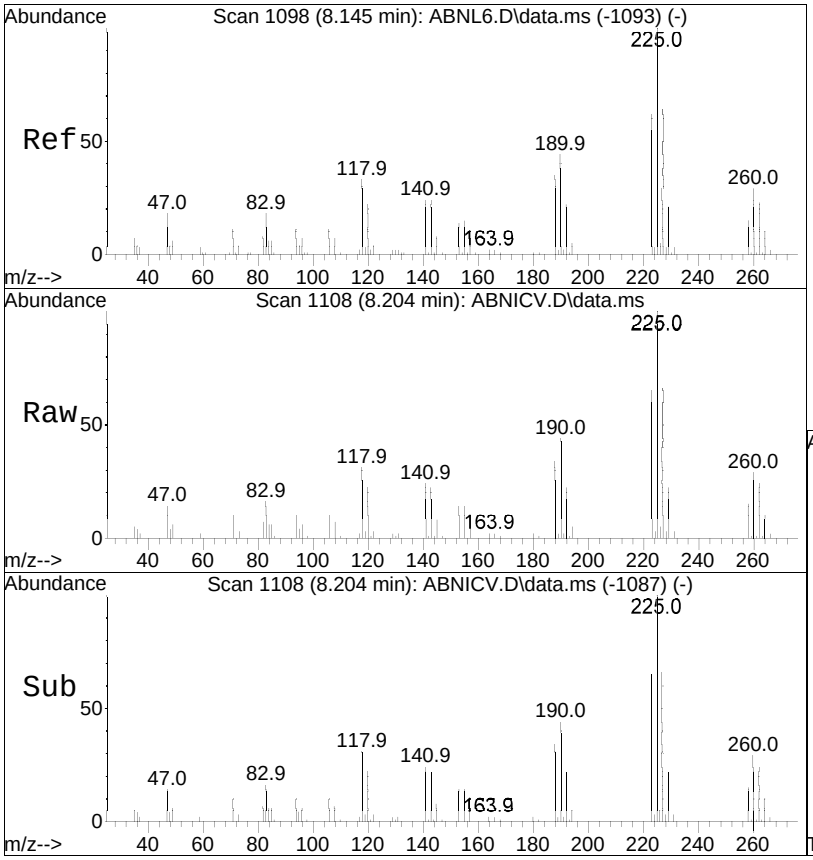


#38
4-Chloroaniline
Concen: 4.75 ug/ml
RT: 8.116 min Scan# 1093
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 65 Resp: 10273

Ion	Ratio	Lower	Upper
65	100		
127	344.7	237.6	356.4
129	108.5	76.3	114.5

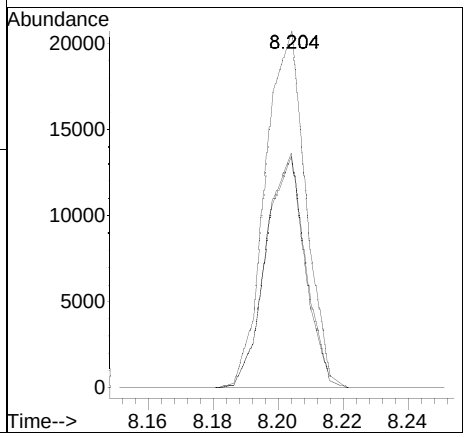


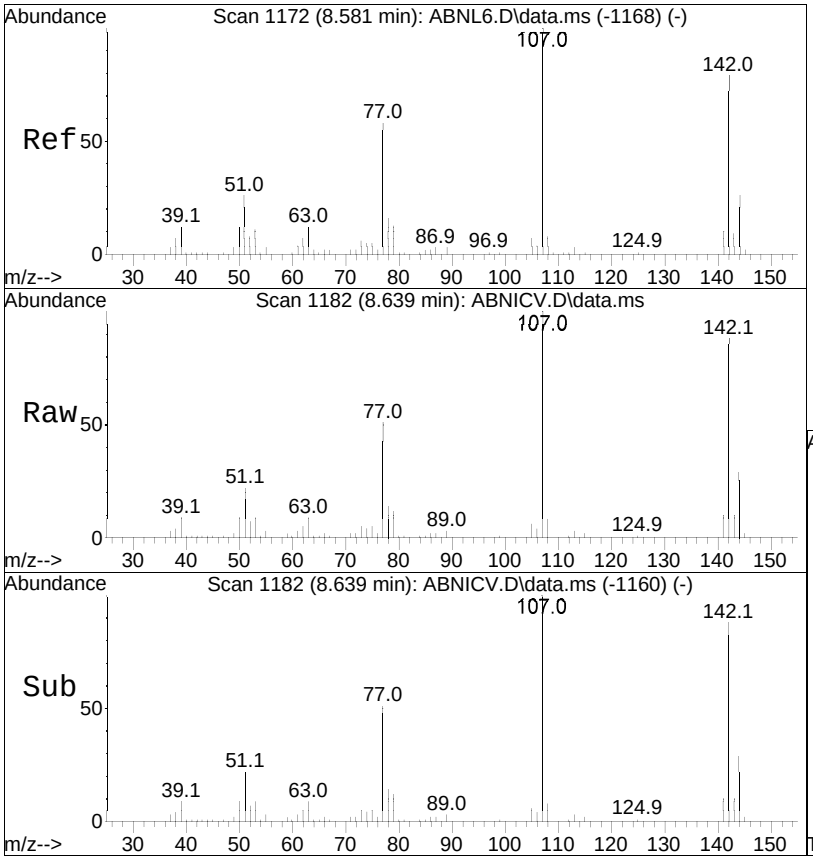


#39
Hexachlorobutadiene
Concen: 4.66 ug/ml
RT: 8.204 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:225 Resp: 17854

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	64.6	52.2	78.2

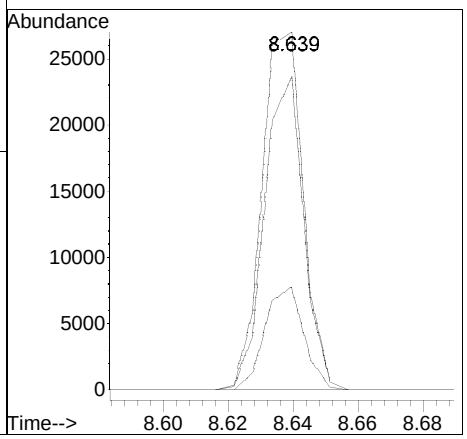


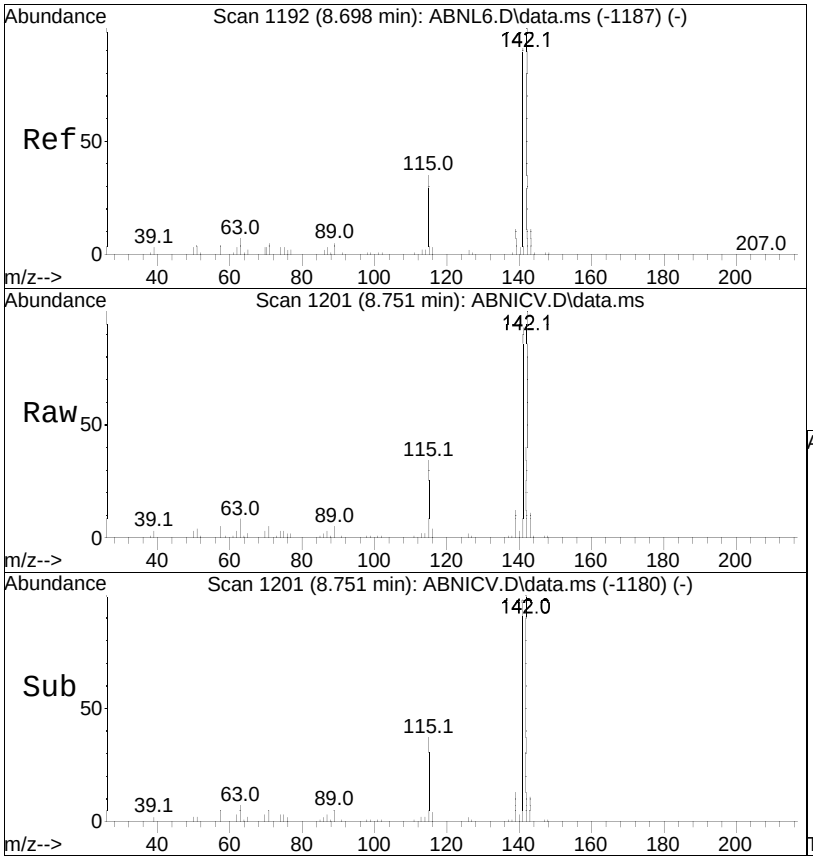


#40
p-Chloro-m-cresol
Concen: 4.89 ug/ml
RT: 8.639 min Scan# 1182
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:107 Resp: 23667

Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.9	31.3
142	83.0	66.1	99.1

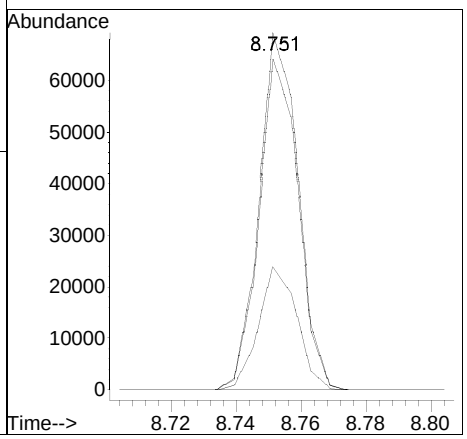


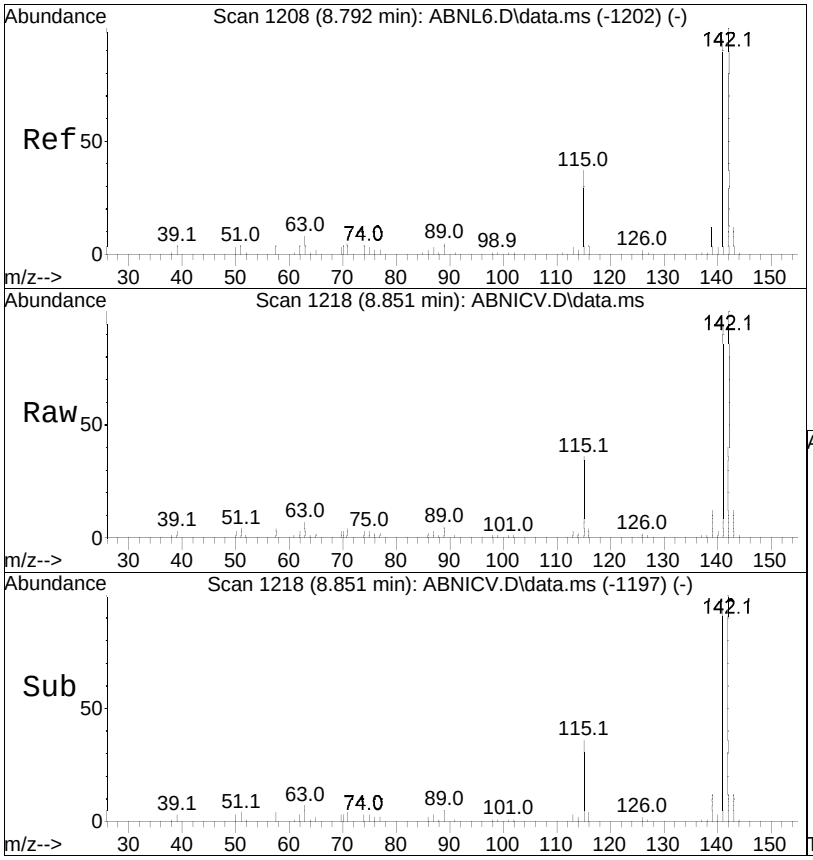


#41
2-Methylnaphthalene
Concen: 4.58 ug/ml
RT: 8.751 min Scan# 1201
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:142 Resp: 57763

Ion	Ratio	Lower	Upper
142	100		
141	92.7	69.6	104.4
115	34.1	26.6	40.0

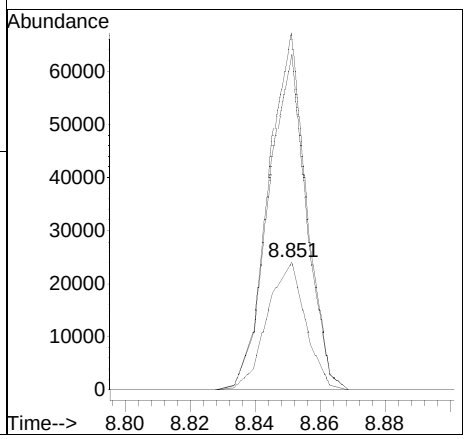


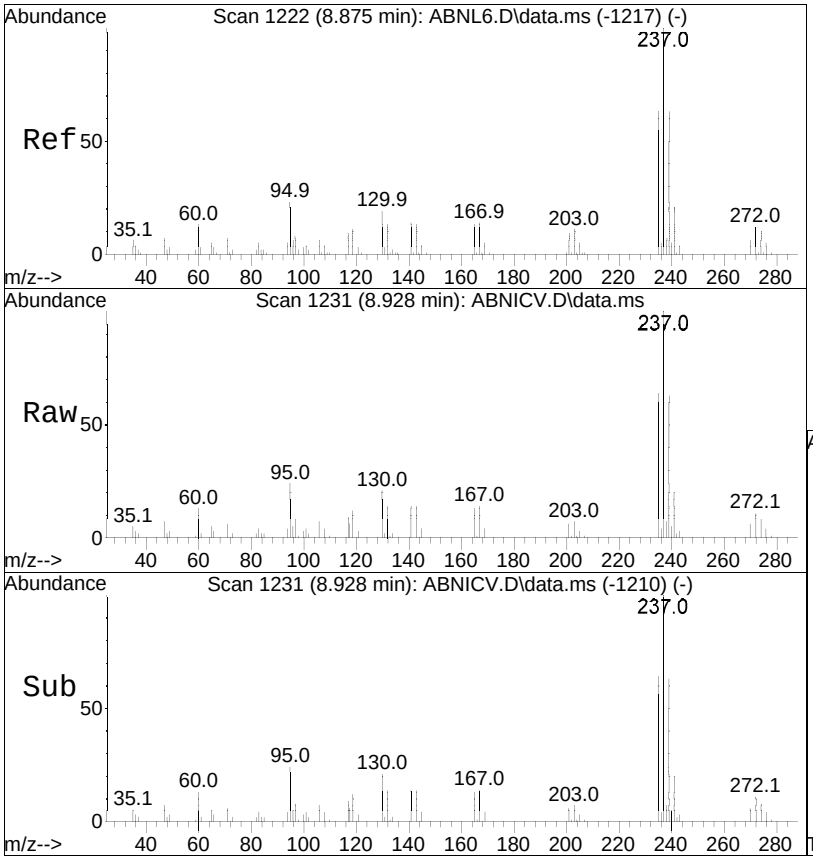


#42
1-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 8.851 min Scan# 1218
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:115 Resp: 19728

Ion	Ratio	Lower	Upper
115	100		
141	259.4	207.8	311.6
142	276.4	226.8	340.2

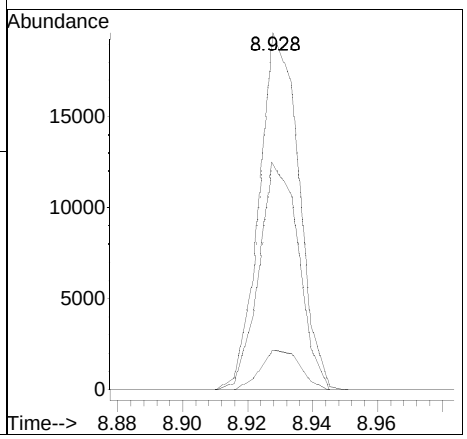


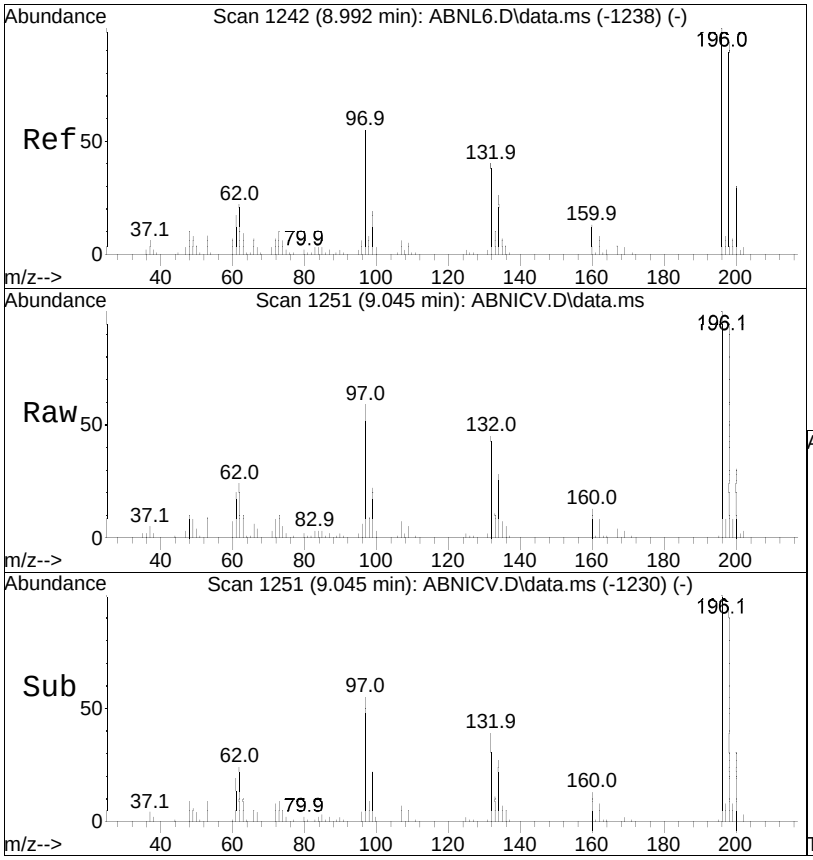


#43
Hexachlorocyclopentadiene
Concen: 4.57 ug/ml
RT: 8.928 min Scan# 1231
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:237 Resp: 16567

Ion	Ratio	Lower	Upper
237	100		
235	63.8	49.7	74.5
272	11.2	9.8	14.6

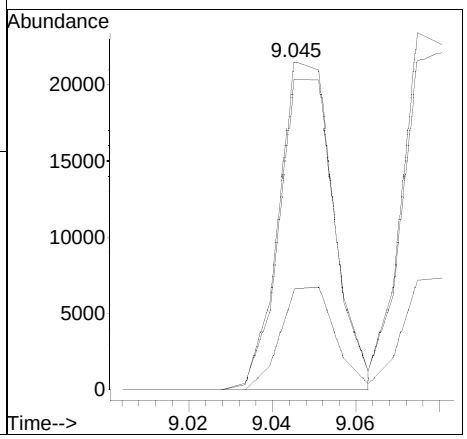


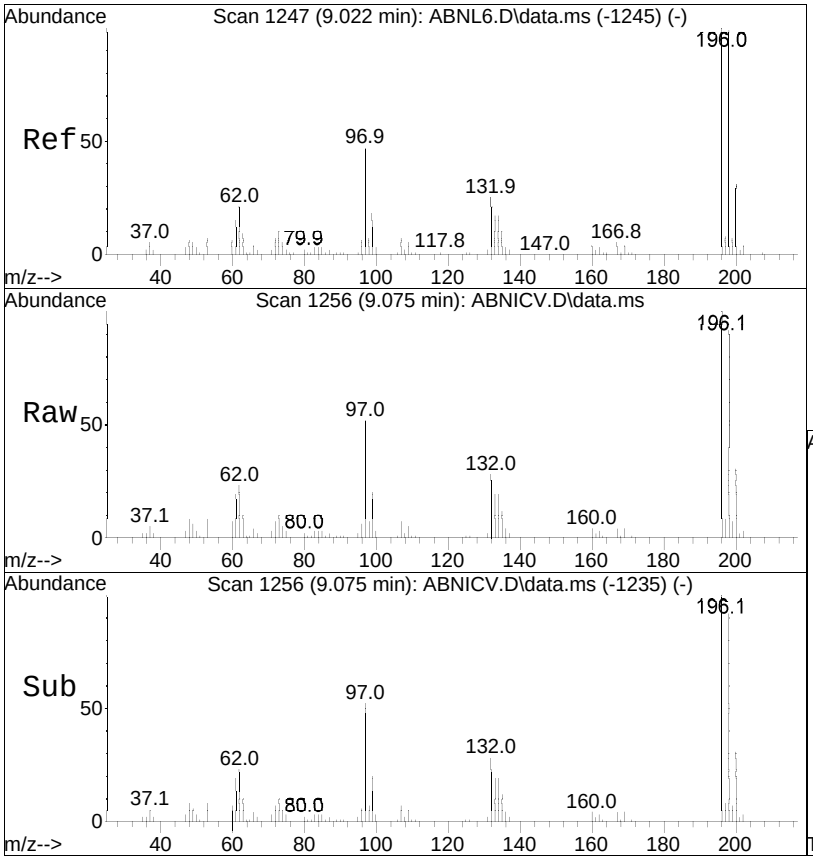


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 9.045 min Scan# 1251
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:196 Resp: 19600

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.5	116.3
200	31.2	23.8	35.6

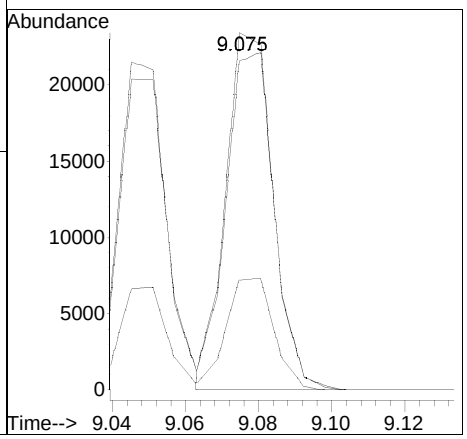


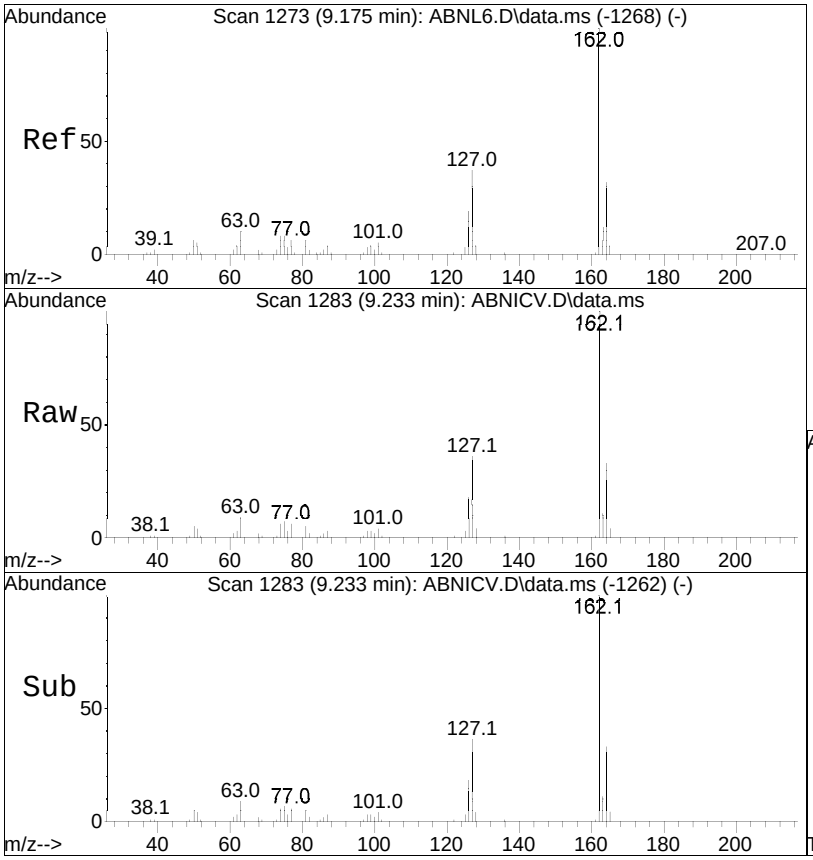


#45
2,4,5-Trichlorophenol
Concen: 4.96 ug/ml
RT: 9.075 min Scan# 1256
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:196 Resp: 21125

Ion	Ratio	Lower	Upper
196	100		
200	31.4	25.4	38.0
198	95.4	78.0	117.0

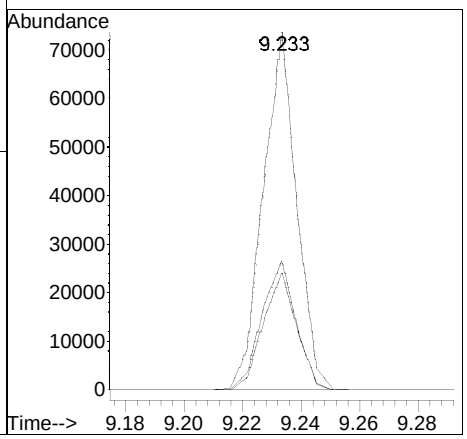


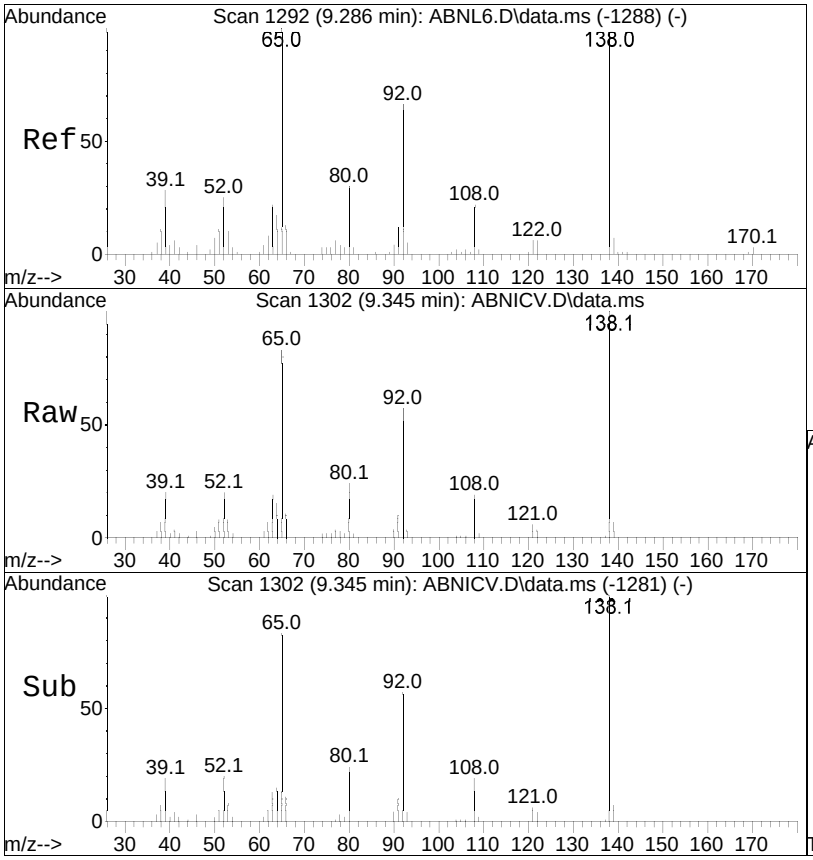


#47
2-Chloronaphthalene
Concen: 4.42 ug/ml
RT: 9.233 min Scan# 1283
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:162 Resp: 57688

Ion	Ratio	Lower	Upper
162	100		
127	37.0	32.2	48.4
164	33.0	25.7	38.5

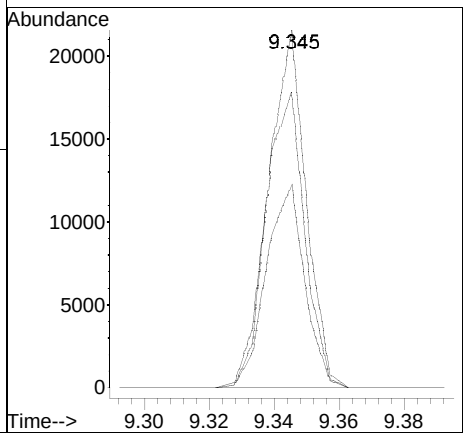


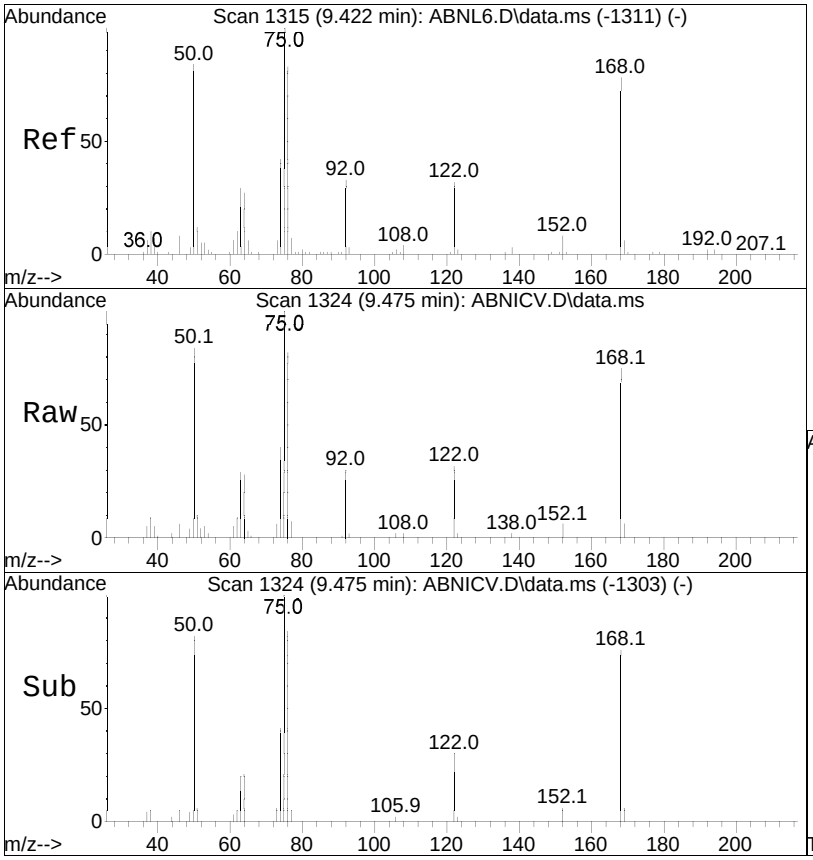


#48
2-Nitroaniline
Concen: 4.84 ug/ml
RT: 9.345 min Scan# 1302
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:138 Resp: 16914

Ion	Ratio	Lower	Upper
138	100		
92	59.0	53.5	80.3
65	88.2	86.3	129.5

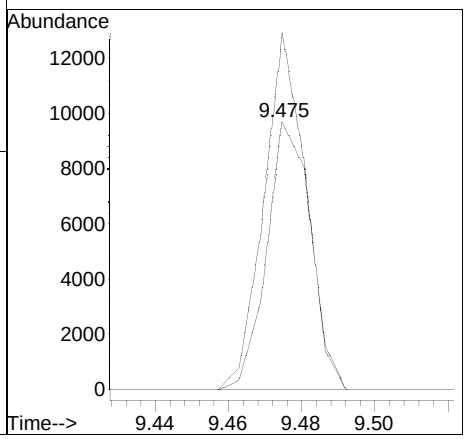


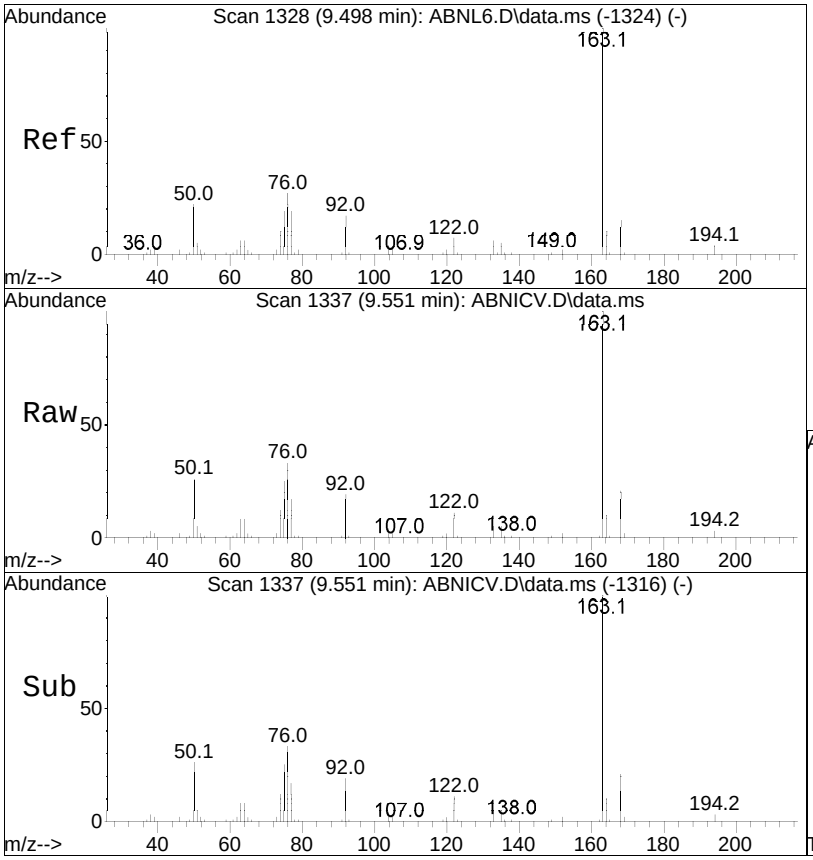


#49
1,4-Dinitrobenzene
Concen: 4.30 ug/ml
RT: 9.475 min Scan# 1324
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:168 Resp: 8087

Ion	Ratio	Lower	Upper
168	100		
75	126.9	121.8	182.8

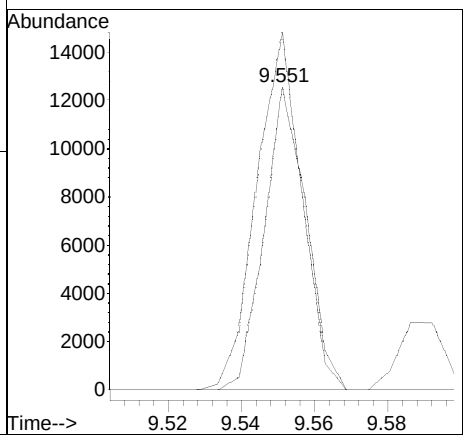


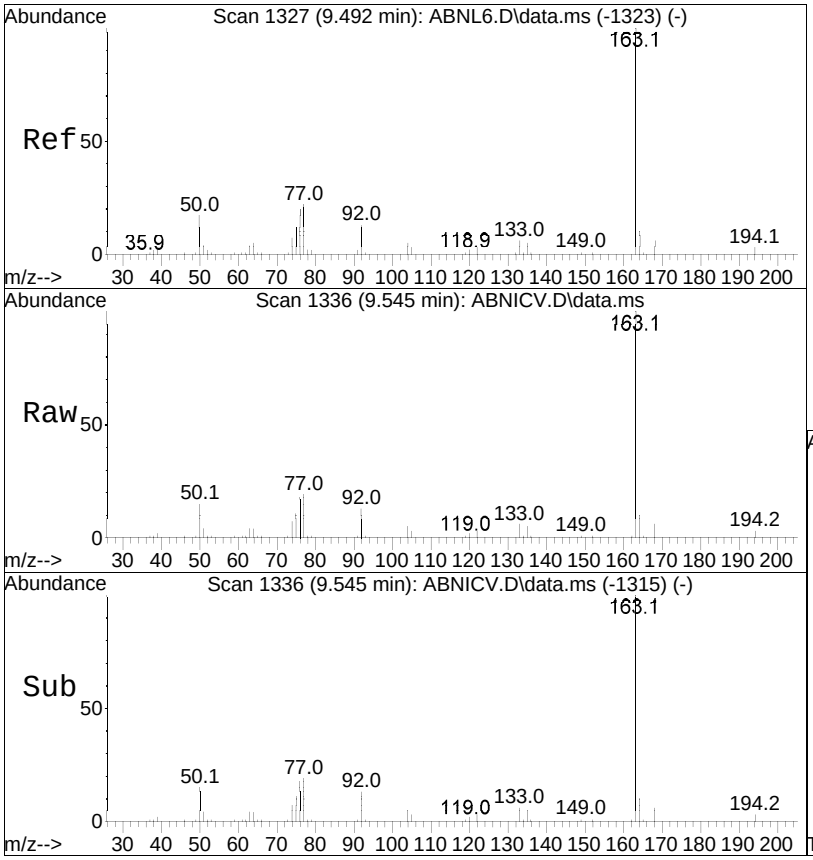


#50
1,3-Dinitrobenzene
Concen: 4.49 ug/ml
RT: 9.551 min Scan# 1337
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:168 Resp: 9925

Ion	Ratio	Lower	Upper
168	100		
75	127.4	22.7	34.1#

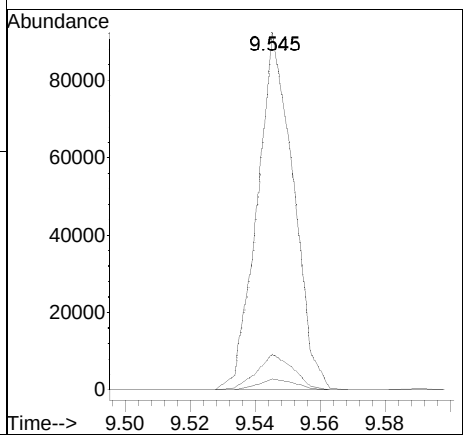


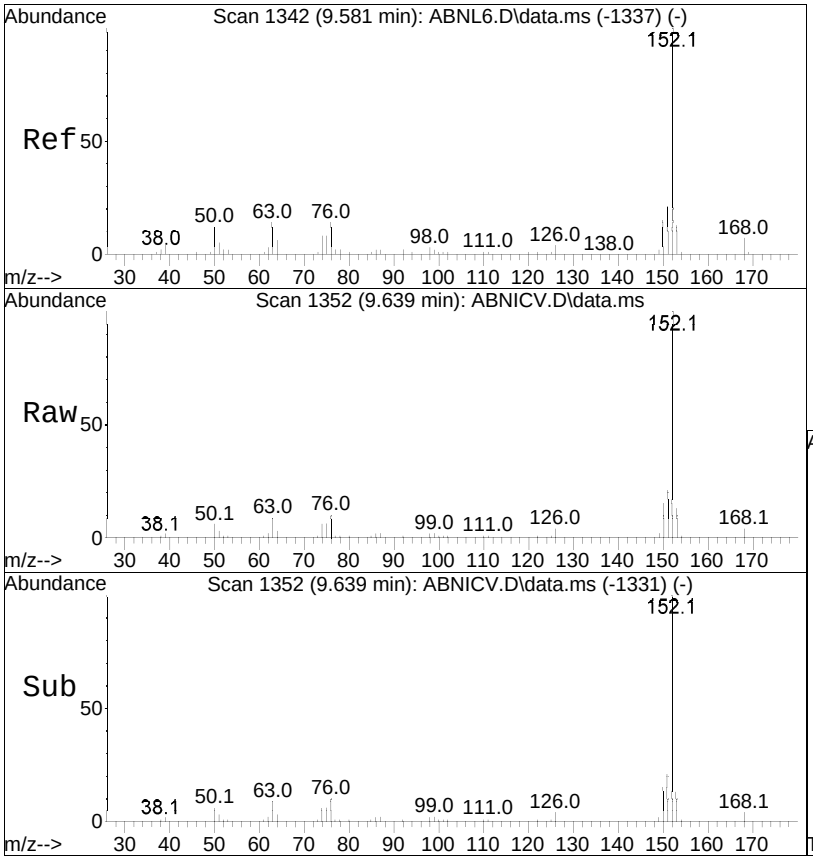


#51
Dimethyl phthalate
Concen: 4.77 ug/ml
RT: 9.545 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:163 Resp: 70425

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.5	5.3#
164	10.2	7.9	11.9

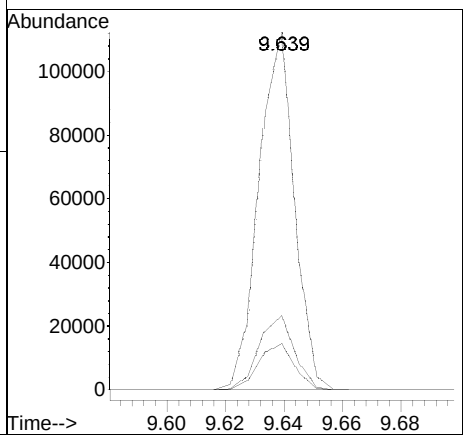


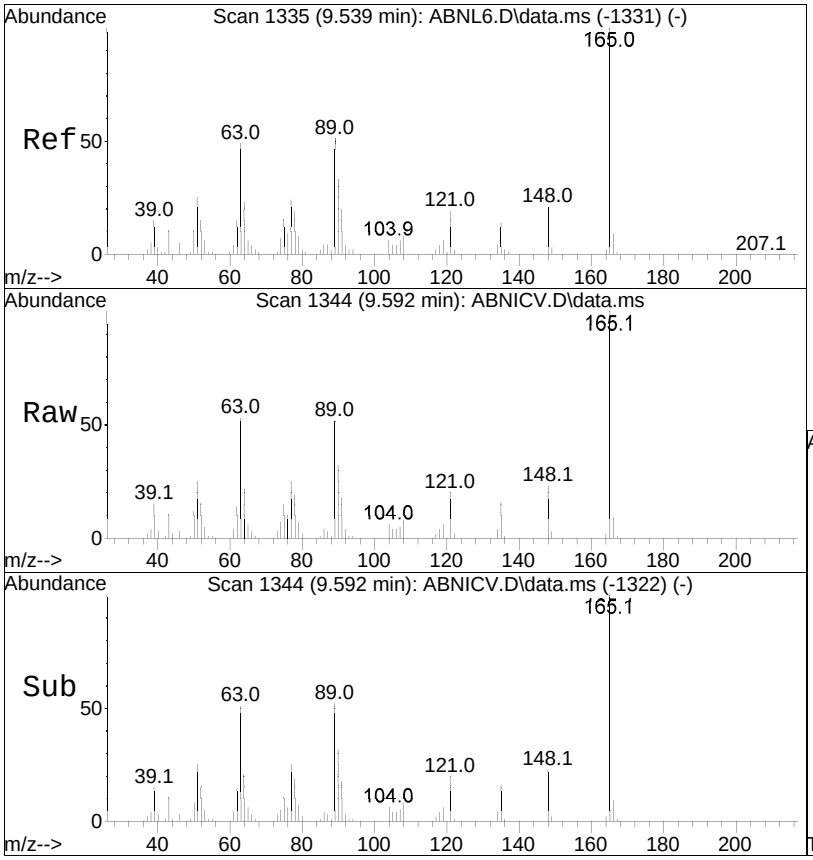


#52
Acenaphthylene
Concen: 4.82 ug/ml
RT: 9.639 min Scan# 1352
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:152 Resp: 93537

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	13.1	10.5	15.7

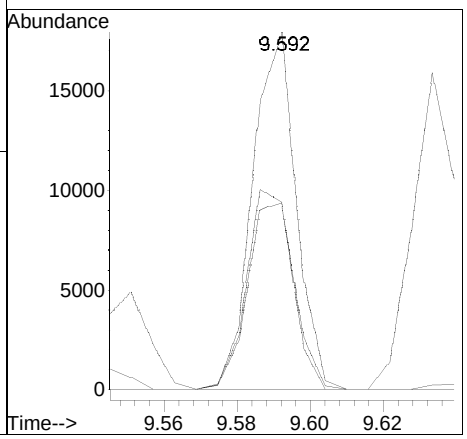


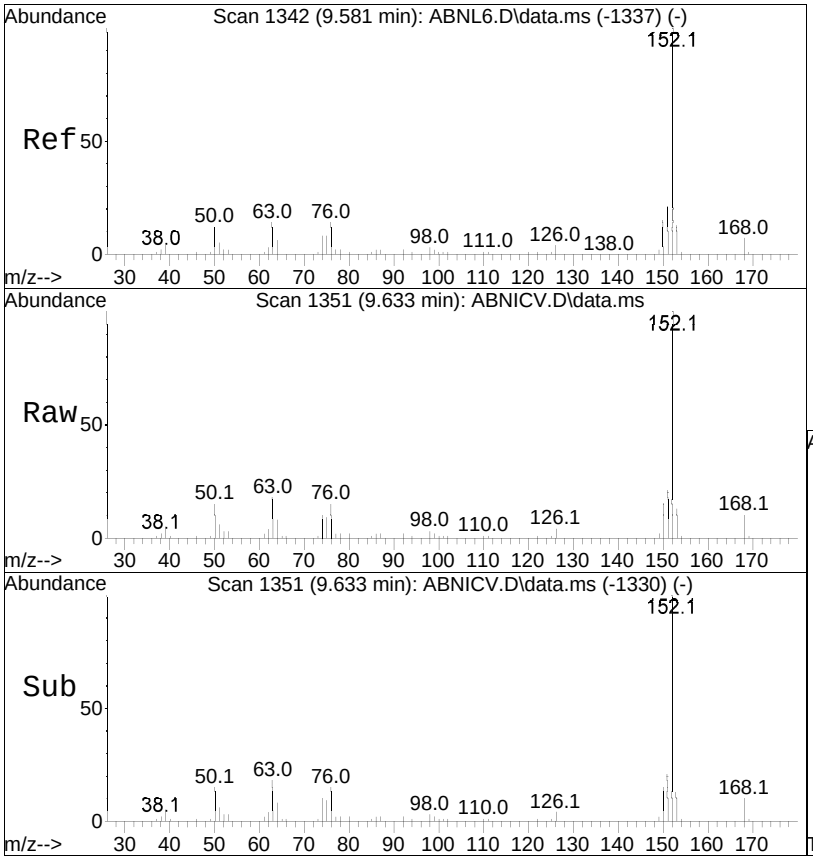


#53
2,6-Dinitrotoluene
Concen: 5.11 ug/ml
RT: 9.592 min Scan# 1344
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:165 Resp: 14781

Ion	Ratio	Lower	Upper
165	100		
89	57.0	54.2	81.2
63	58.6	64.2	96.2#

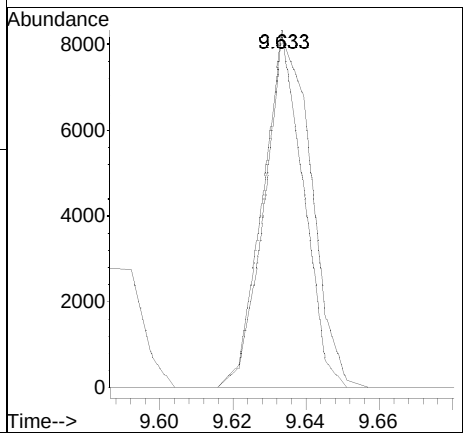


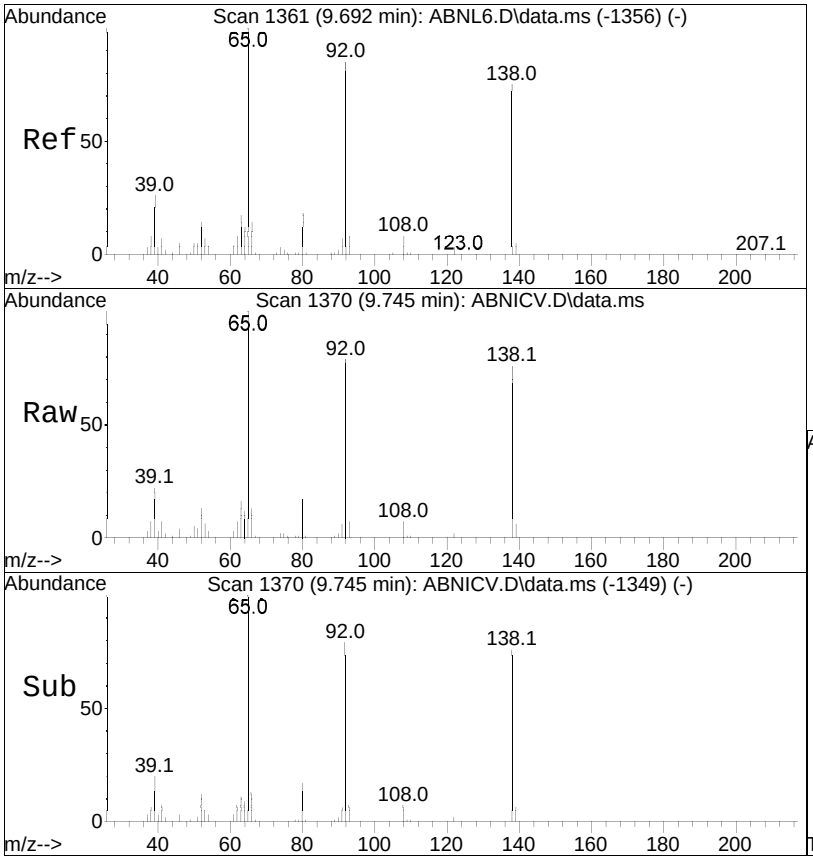


#54
1,2-Dinitrobenzene
Concen: 4.85 ug/ml
RT: 9.633 min Scan# 1351
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:168 Resp: 6365

Ion	Ratio	Lower	Upper
168	100		
75	114.0	30.9	46.3#

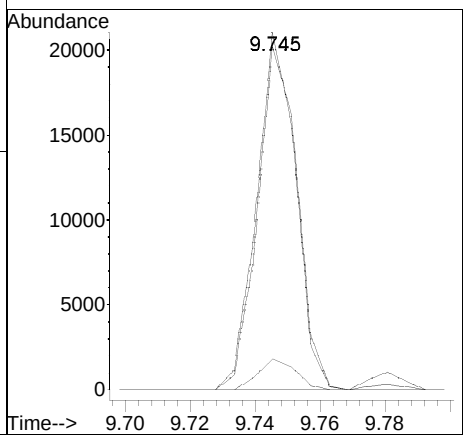


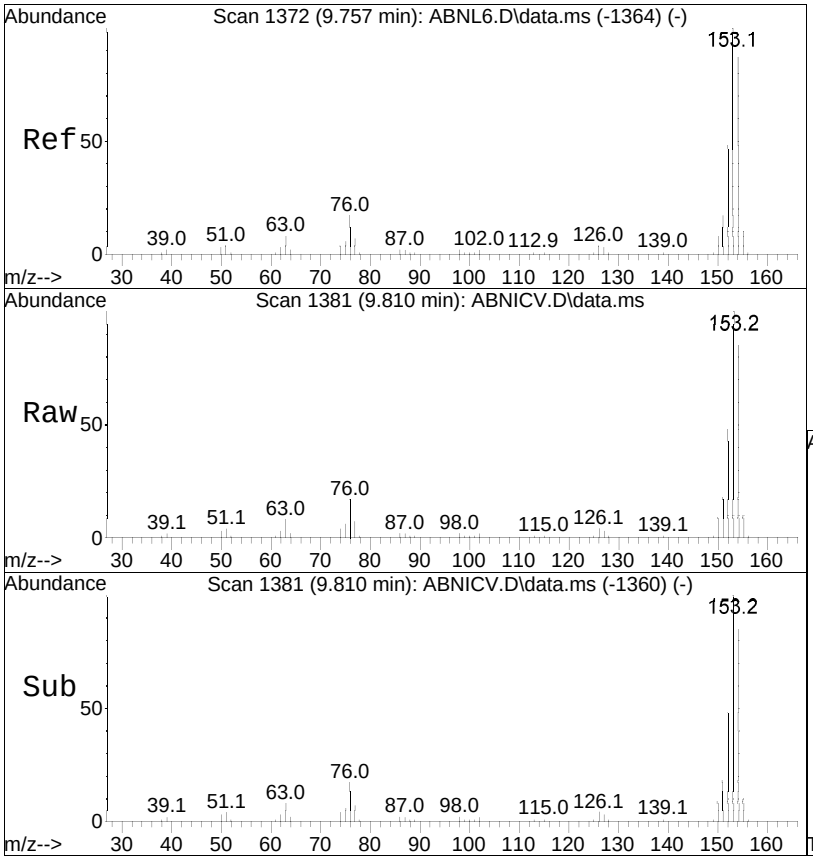


#64
3-Nitroaniline
Concen: 5.03 ug/ml
RT: 9.745 min Scan# 1370
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:138 Resp: 16925

Ion	Ratio	Lower	Upper
138	100		
92	102.2	93.4	140.2
108	8.7	9.5	14.3#

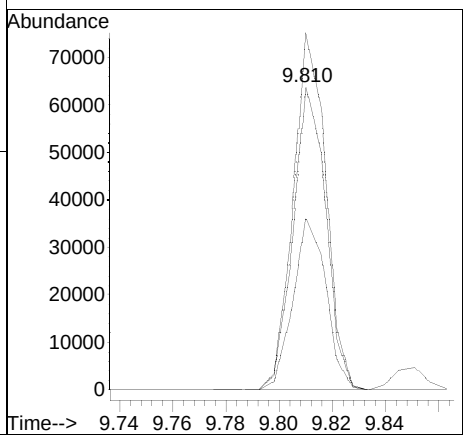


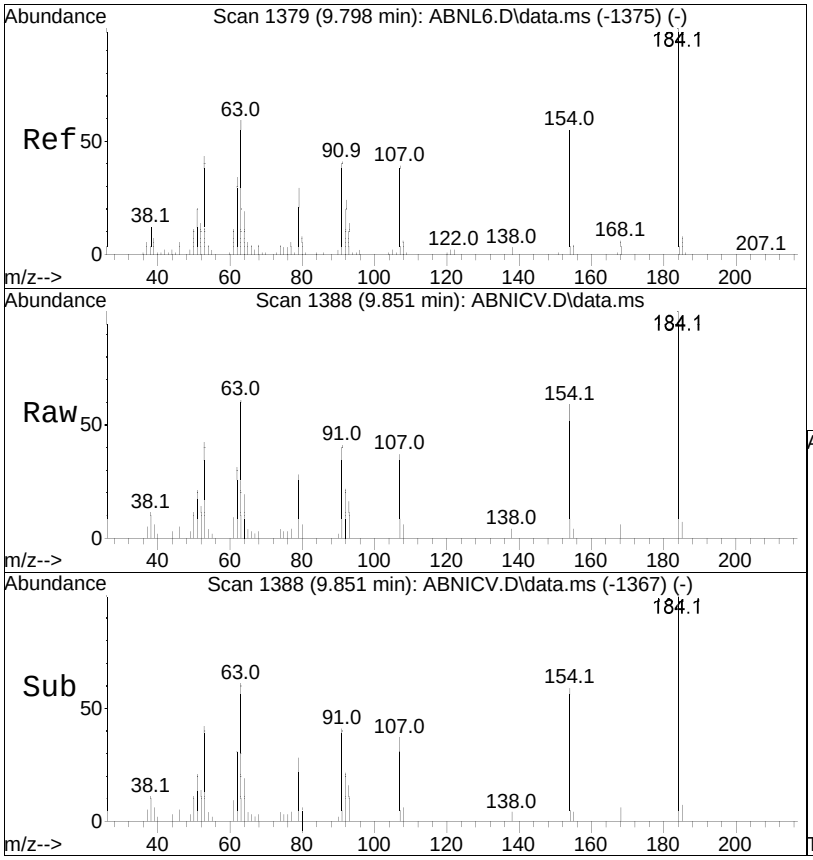


#65
Acenaphthene
Concen: 4.55 ug/ml
RT: 9.810 min Scan# 1381
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:154 Resp: 54473

Ion	Ratio	Lower	Upper
154	100		
153	117.6	85.3	127.9
152	57.2	41.4	62.0

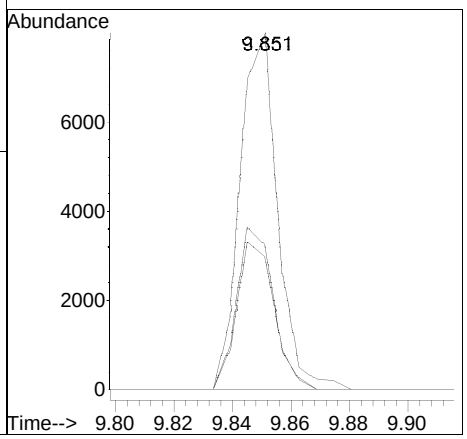


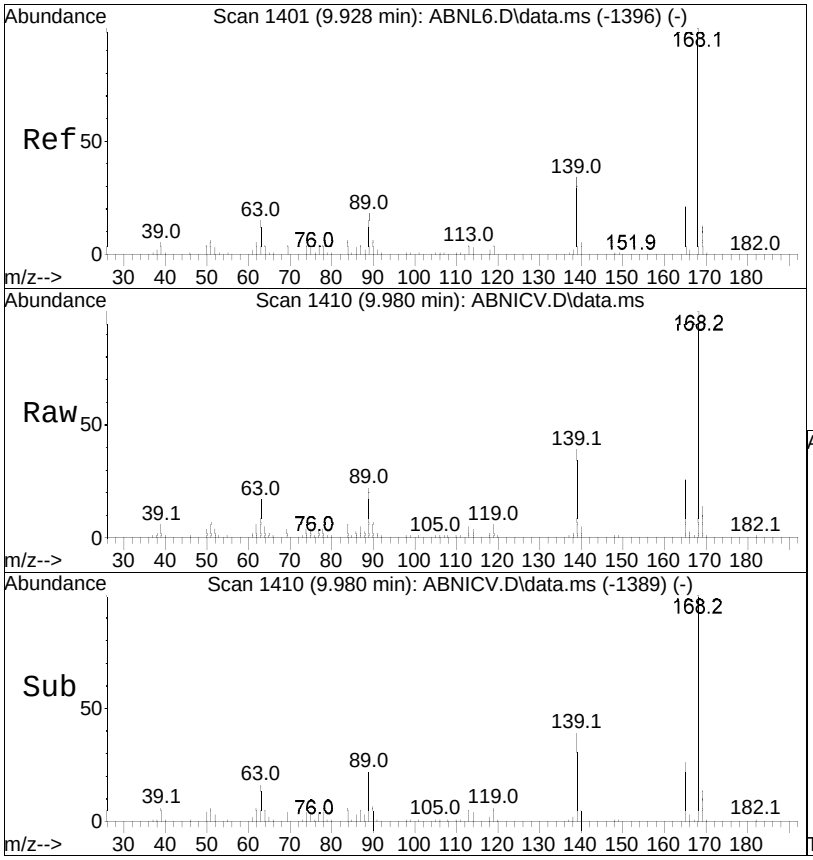


#66
2,4-Dinitrophenol
Concen: 3.93 ug/ml
RT: 9.851 min Scan# 1388
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:184 Resp: 7107

Ion	Ratio	Lower	Upper
184	100		
107	41.4	37.7	56.5
91	44.9	46.3	69.5#

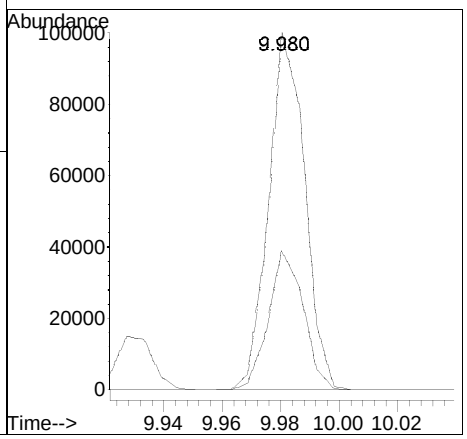


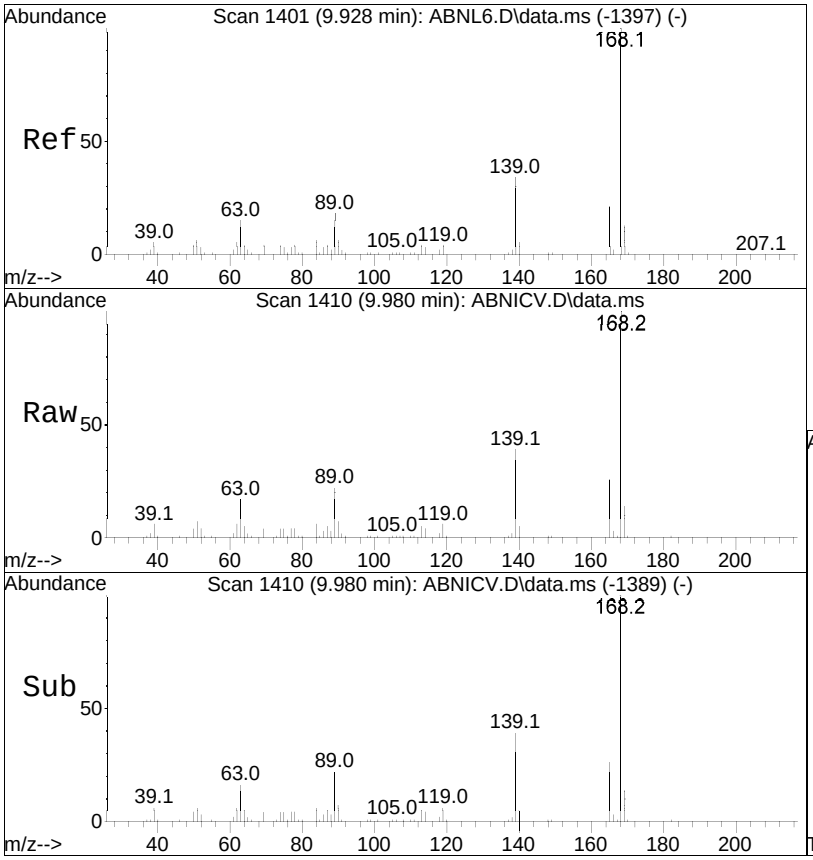


#67
Dibenzofuran
Concen: 4.29 ug/ml
RT: 9.980 min Scan# 1410
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:168 Resp: 84859

Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.4	47.2

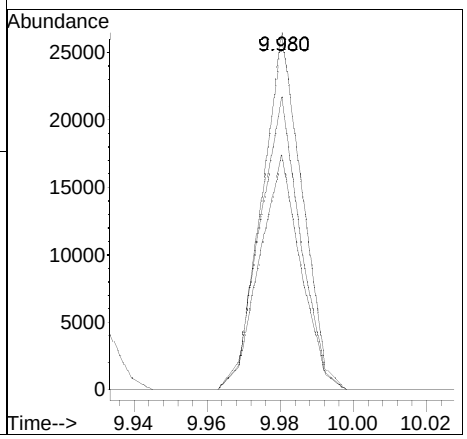


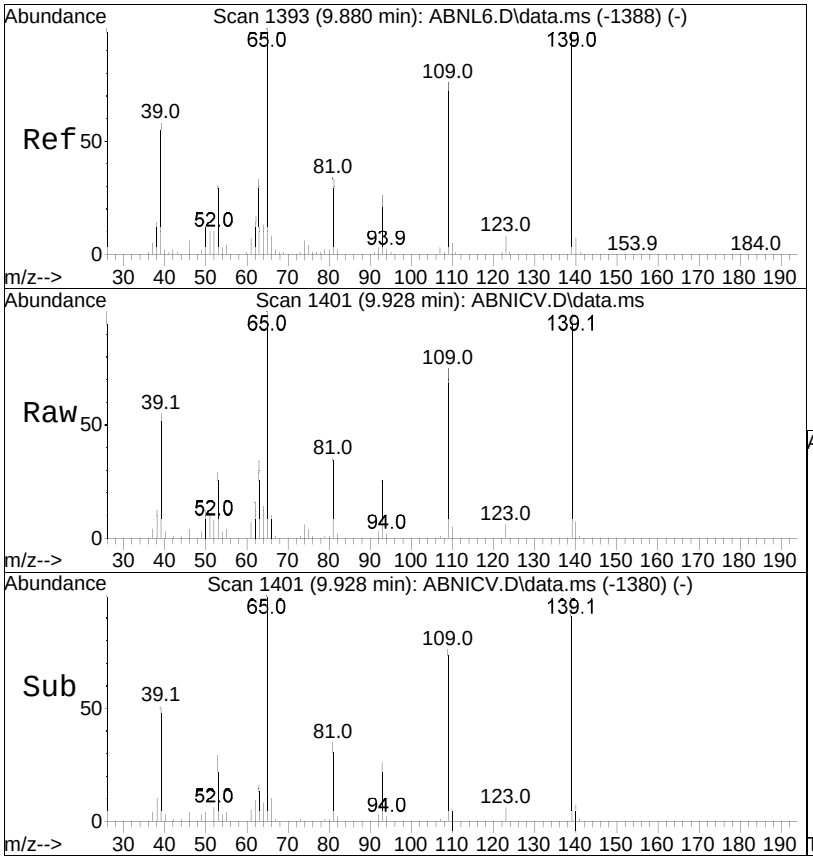


#68
2,4-Dinitrotoluene
Concen: 4.67 ug/ml
RT: 9.980 min Scan# 1410
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:165 Resp: 20040

Ion	Ratio	Lower	Upper
165	100		
89	82.6	72.0	108.0
63	67.3	52.7	79.1

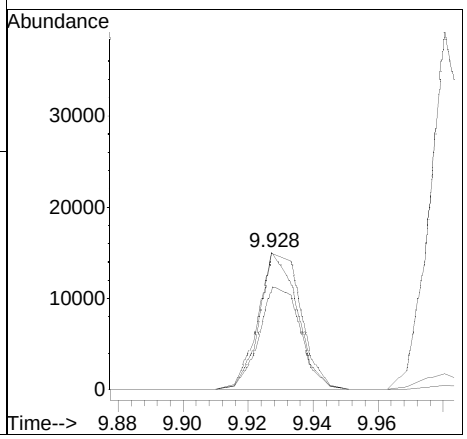


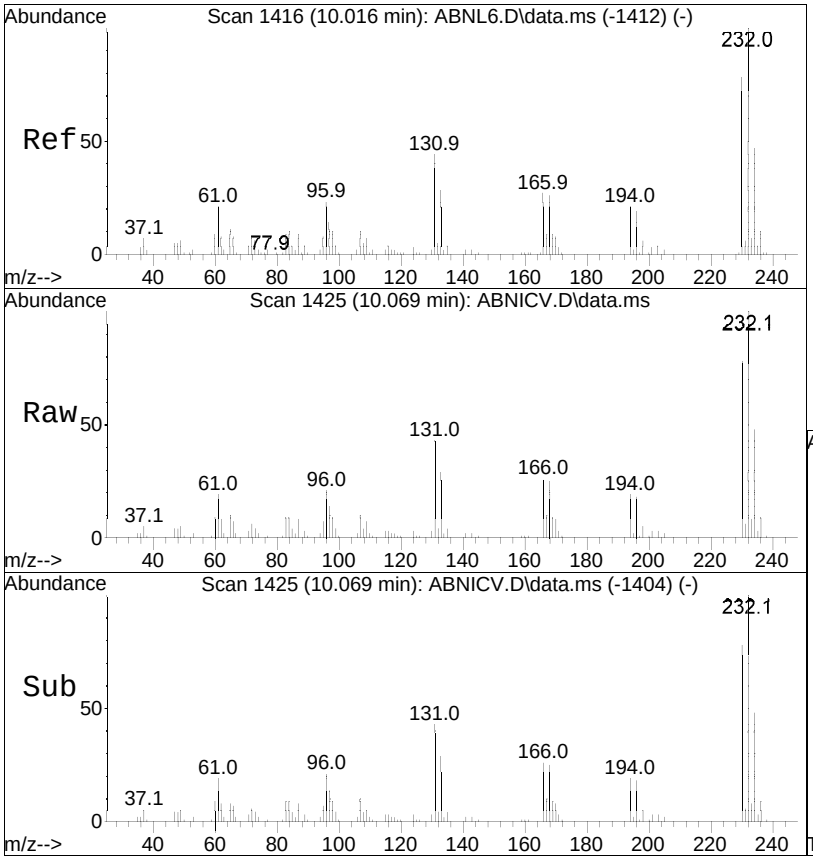


#69
4-Nitrophenol
Concen: 4.72 ug/ml
RT: 9.928 min Scan# 1401
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 65 Resp: 12555

Ion	Ratio	Lower	Upper
65	100		
109	79.5	47.4	71.2#
139	106.0	76.6	115.0

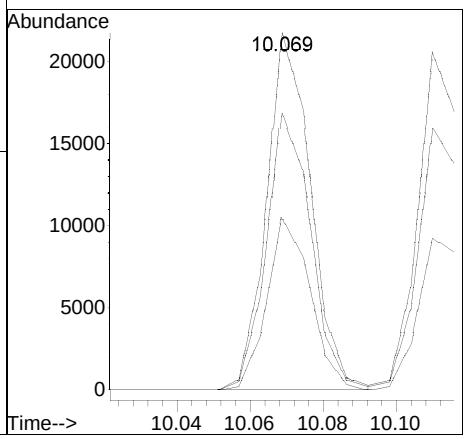


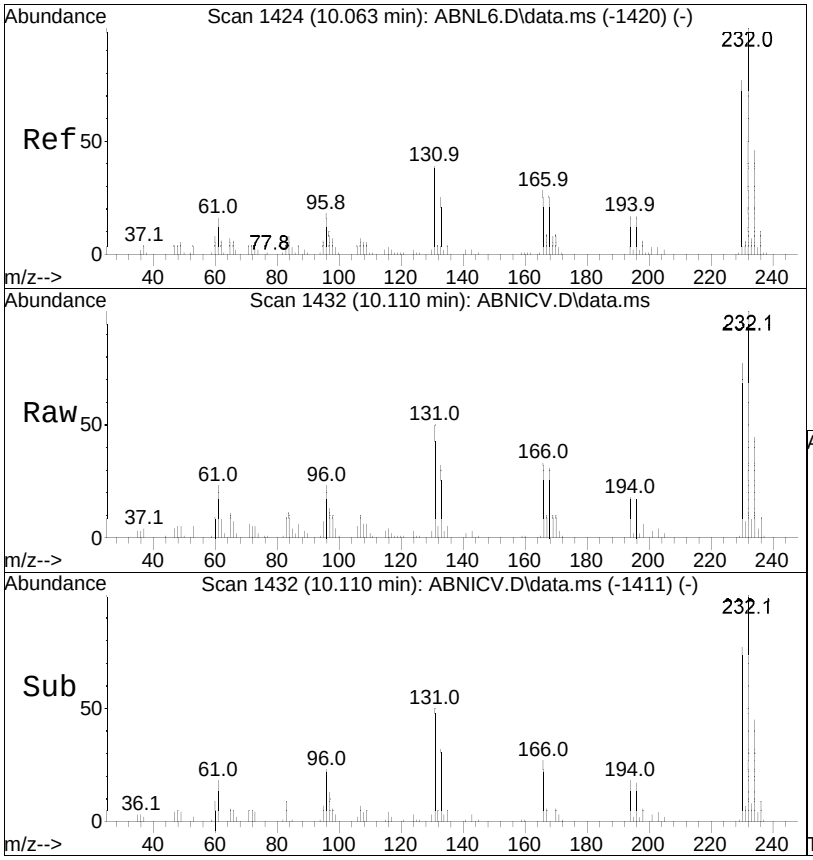


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.10 ug/ml
RT: 10.069 min Scan# 1425
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:232 Resp: 18284

Ion	Ratio	Lower	Upper
232	100		
230	78.2	64.2	96.4
234	47.4	38.1	57.1

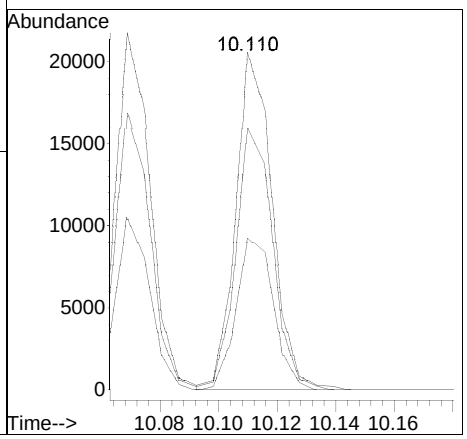


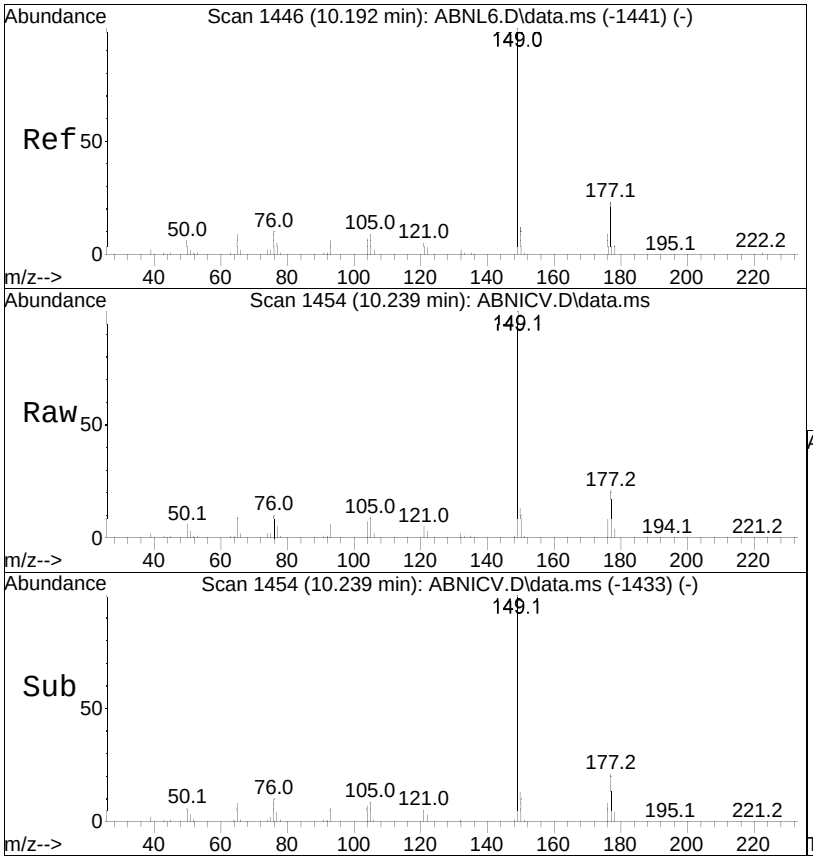


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.20 ug/ml
RT: 10.110 min Scan# 1432
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:232 Resp: 17791

Ion	Ratio	Lower	Upper
232	100		
230	78.9	61.8	92.8
234	46.5	36.2	54.2

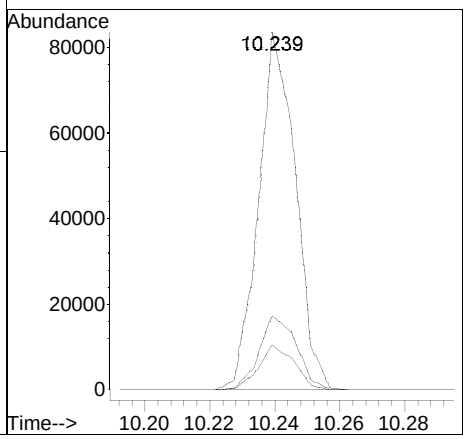


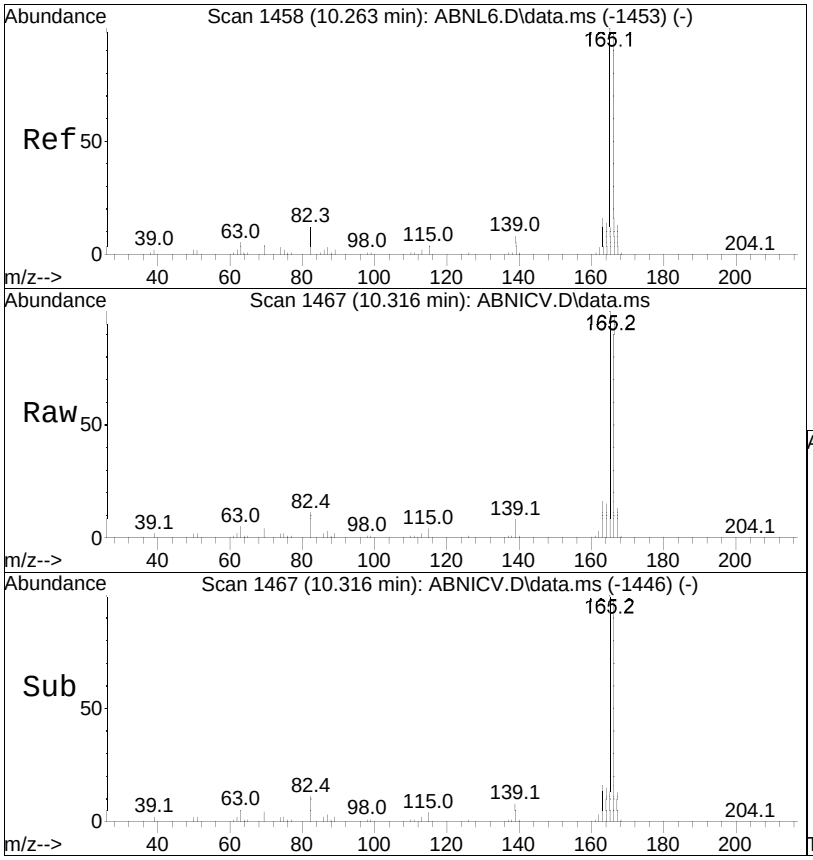


#72
Diethyl phthalate
Concen: 4.66 ug/ml
RT: 10.239 min Scan# 1454
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:149 Resp: 65096

Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.1	24.1
150	12.4	9.4	14.2

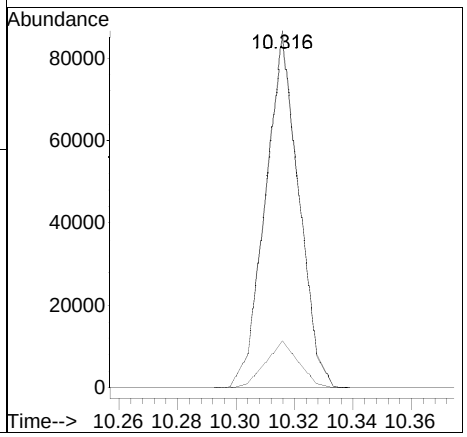


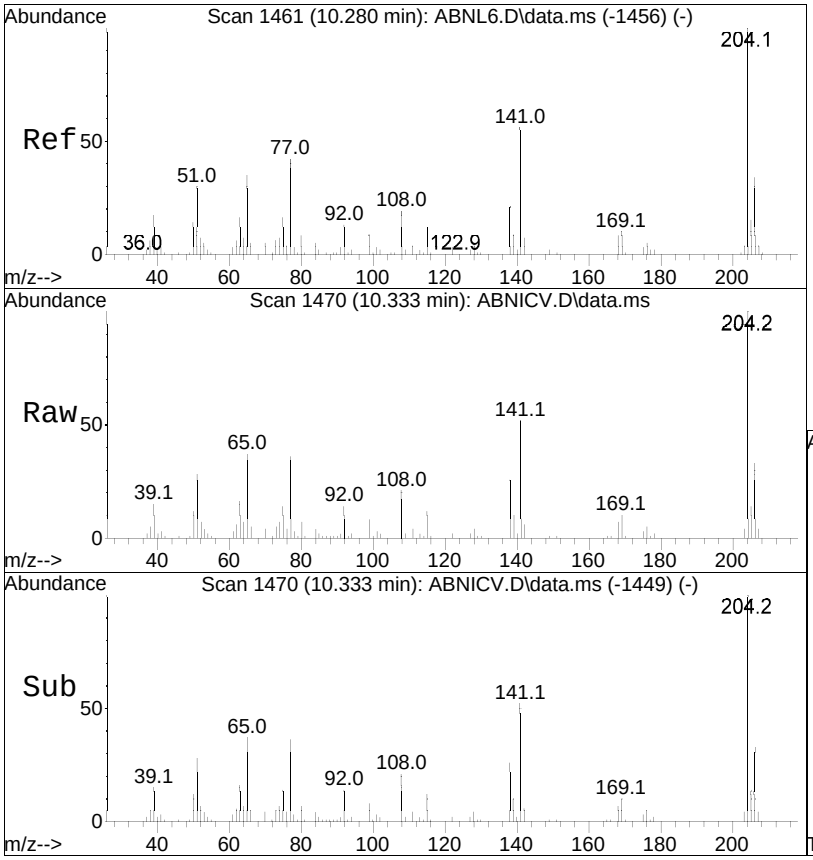


#73
Fluorene
Concen: 4.58 ug/ml
RT: 10.316 min Scan# 1467
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:166 Resp: 67628

Ion	Ratio	Lower	Upper
166	100		
165	102.0	76.2	114.2
167	13.5	10.6	15.8

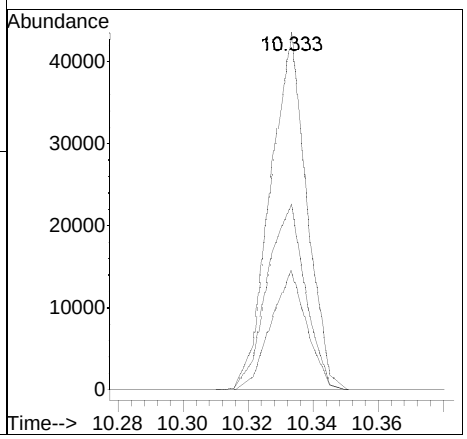


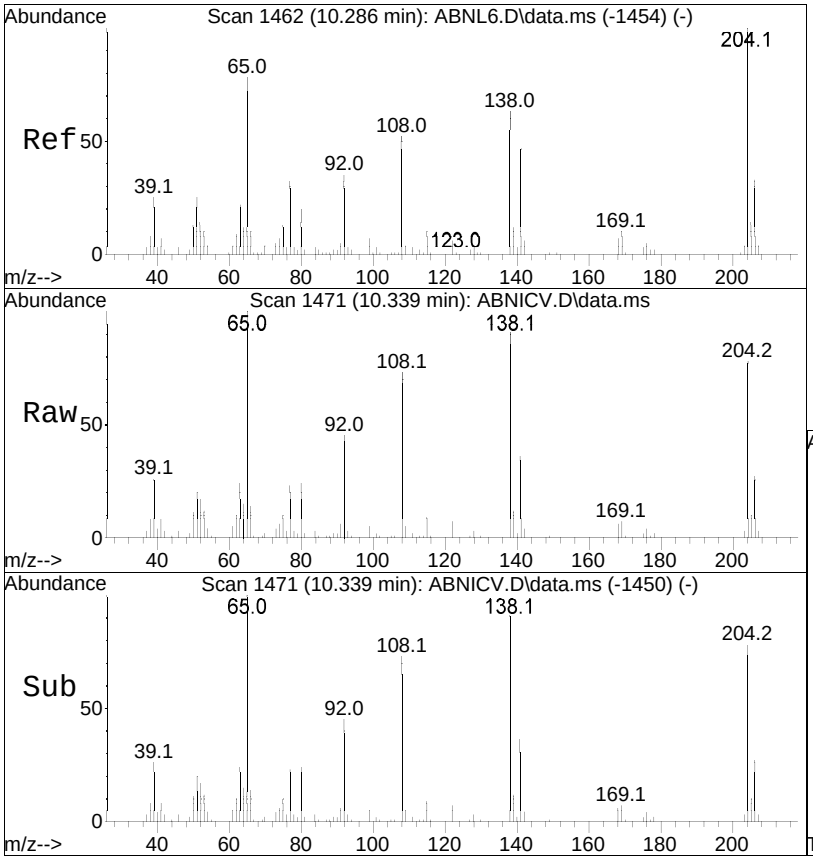


#74
4-Chlorophenyl phenyl ether
Concen: 4.50 ug/ml
RT: 10.333 min Scan# 1470
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:204 Resp: 33757

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	54.6	53.6	80.4

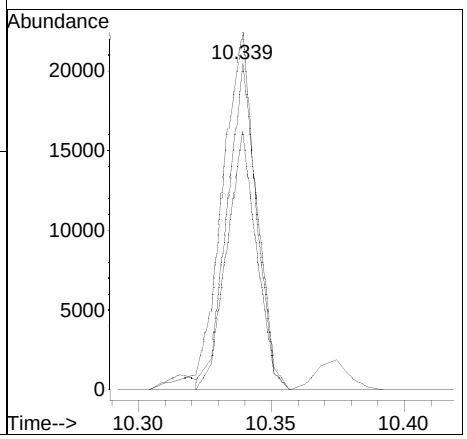


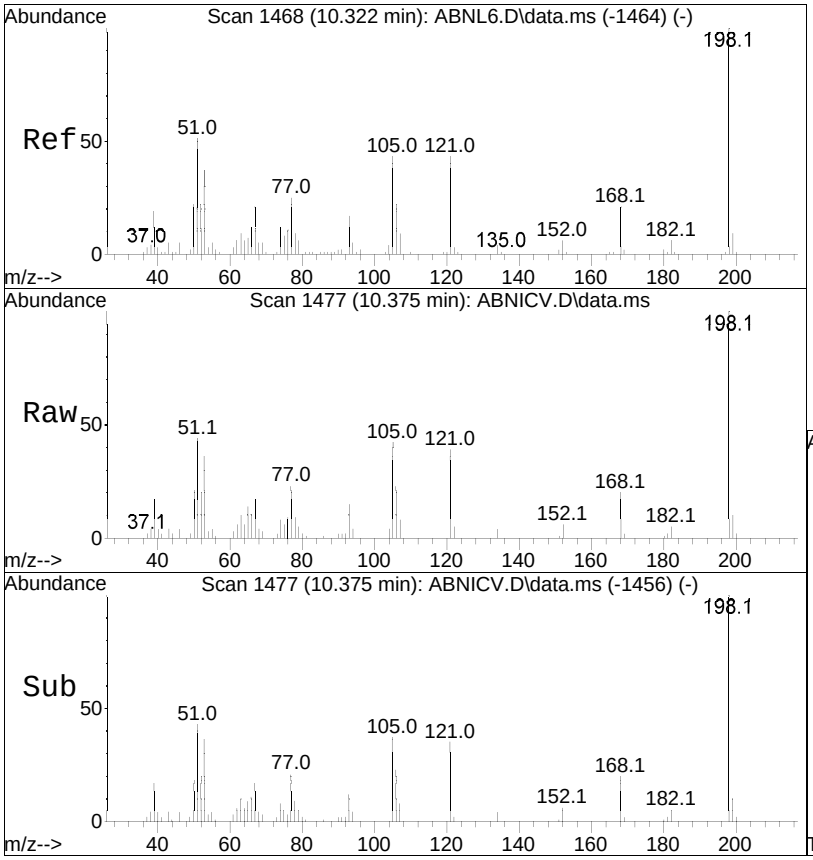


#75
4-Nitroaniline
Concen: 4.77 ug/ml M6
RT: 10.339 min Scan# 1471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:138 Resp: 16075

Ion	Ratio	Lower	Upper
138	100		
108	78.2	52.1	78.1#
65	122.8	115.0	172.6

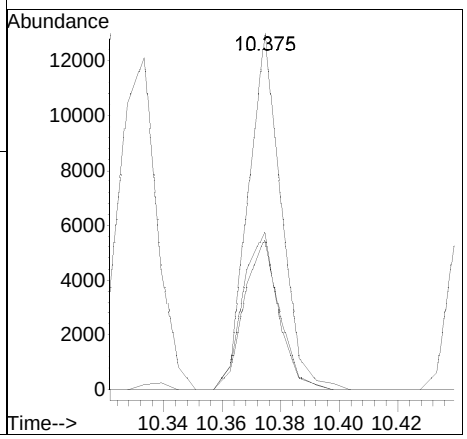


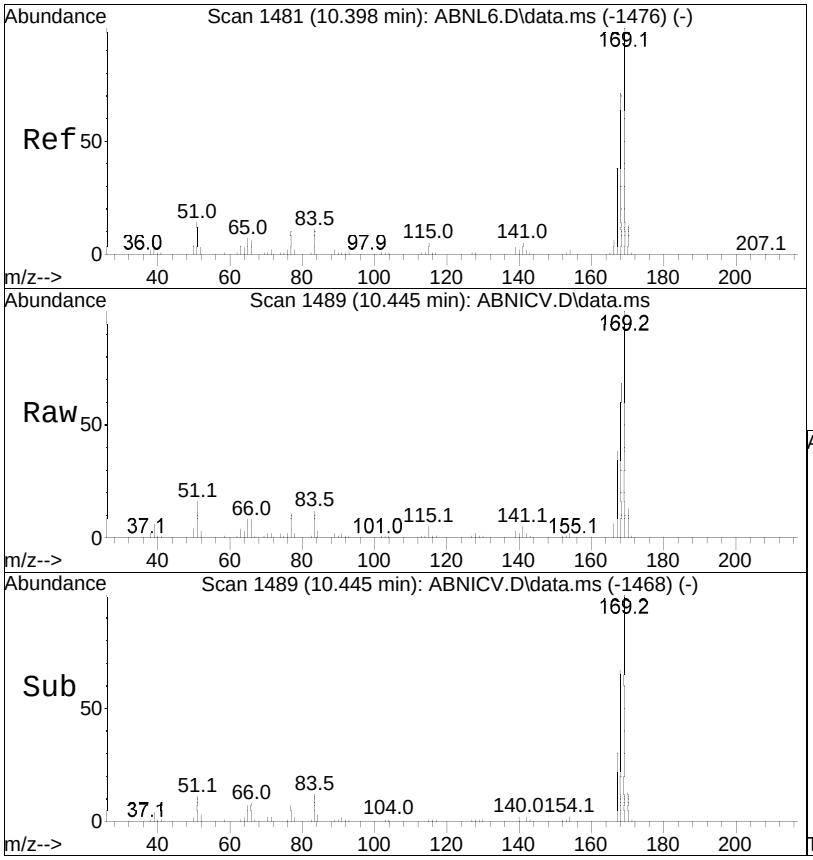


#76
4,6-Dinitro-o-cresol
Concen: 3.99 ug/ml
RT: 10.375 min Scan# 1477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:198 Resp: 10228

Ion	Ratio	Lower	Upper
198	100		
51	47.6	76.0	114.0#
105	45.3	45.6	68.4#

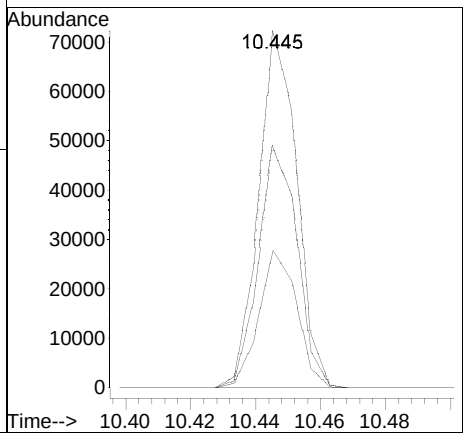


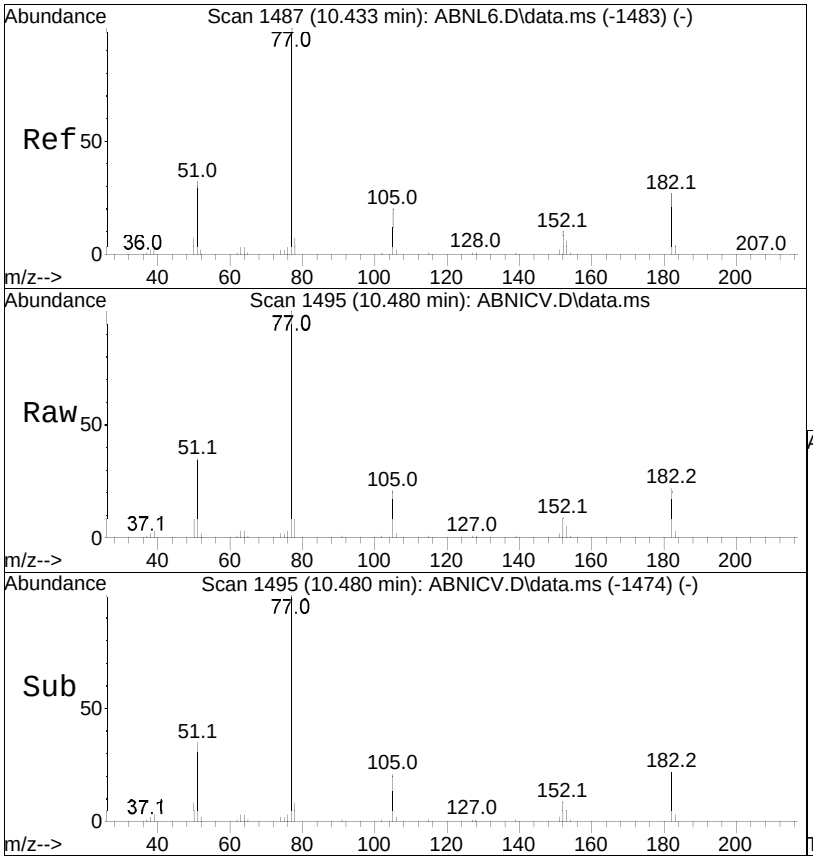


#77
NDPA/DPA
Concen: 4.79 ug/ml
RT: 10.445 min Scan# 1489
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:169 Resp: 58770

Ion	Ratio	Lower	Upper
169	100		
168	69.1	54.0	81.0
167	38.5	28.6	42.8

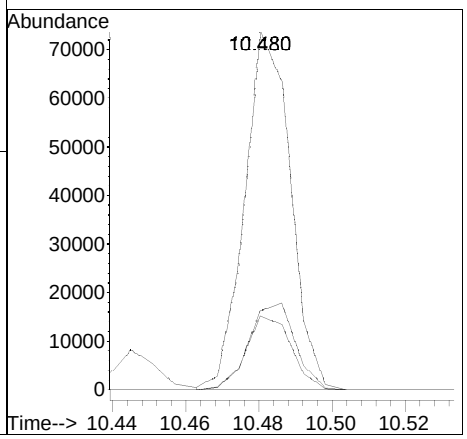


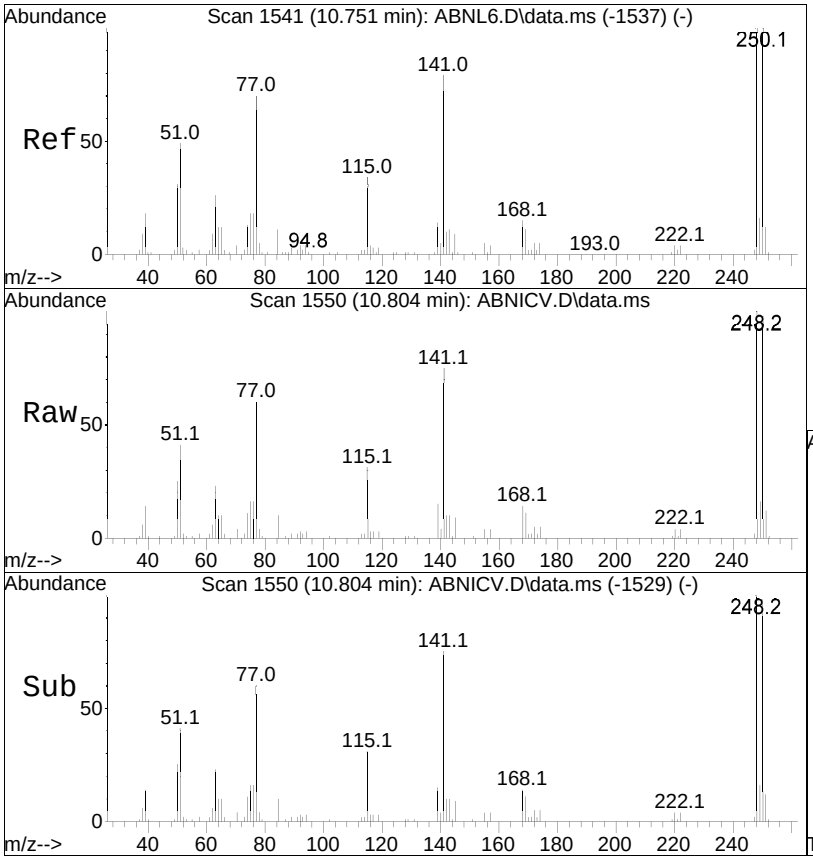


#78
Azobenzene
Concen: 4.92 ug/ml
RT: 10.480 min Scan# 1495
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion: 77 Resp: 63508

Ion	Ratio	Lower	Upper
77	100		
182	24.7	17.4	26.2
105	20.7	15.4	23.2

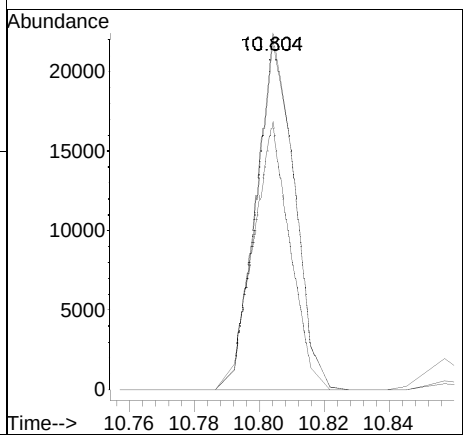


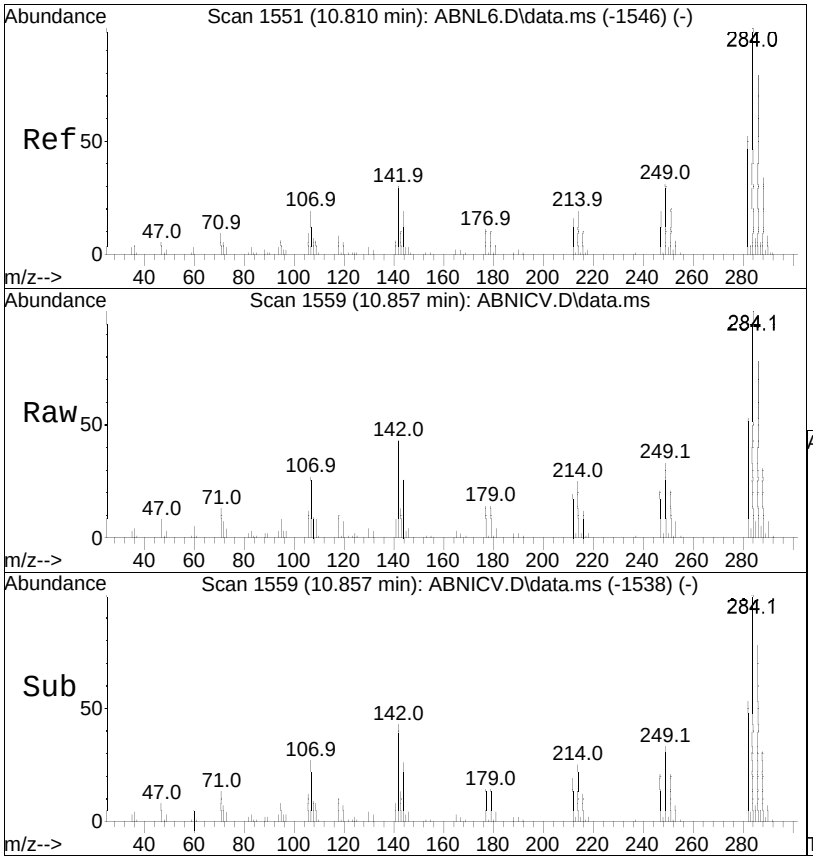


#80
4-Bromophenyl phenyl ether
Concen: 4.48 ug/ml
RT: 10.804 min Scan# 1550
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:248 Resp: 18126

Ion	Ratio	Lower	Upper
248	100		
141	72.7	76.6	114.8#
250	98.1	77.3	115.9

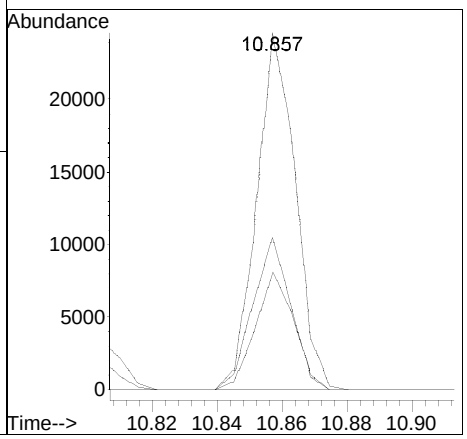


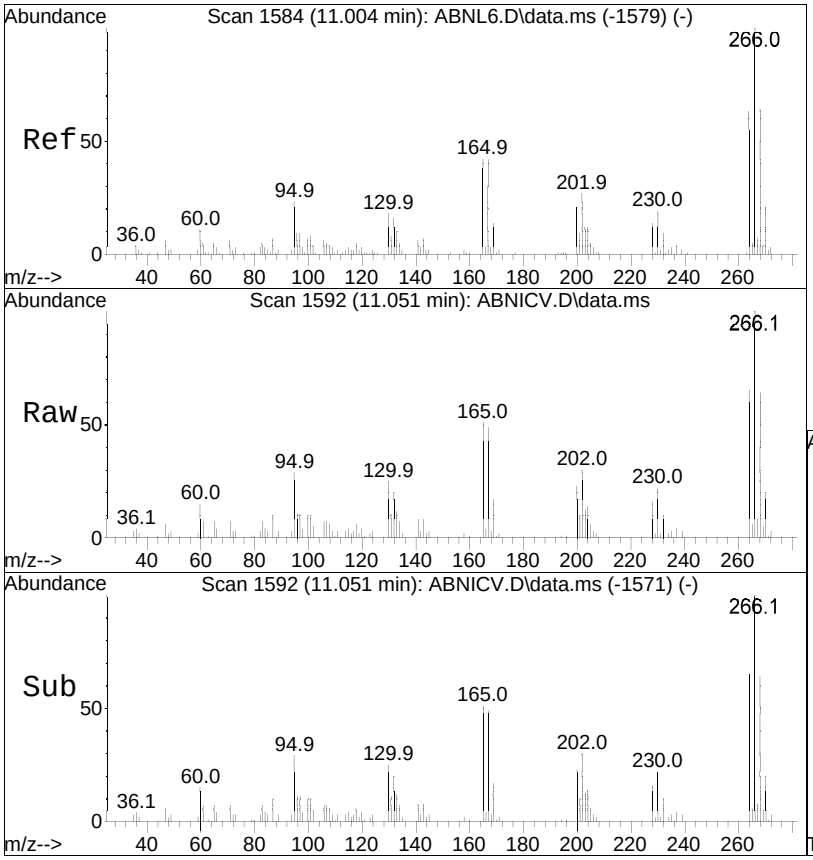


#81
Hexachlorobenzene
Concen: 4.53 ug/ml
RT: 10.857 min Scan# 1559
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:284 Resp: 20239

Ion	Ratio	Lower	Upper
284	100		
142	42.1	41.9	62.9
249	32.9	24.1	36.1

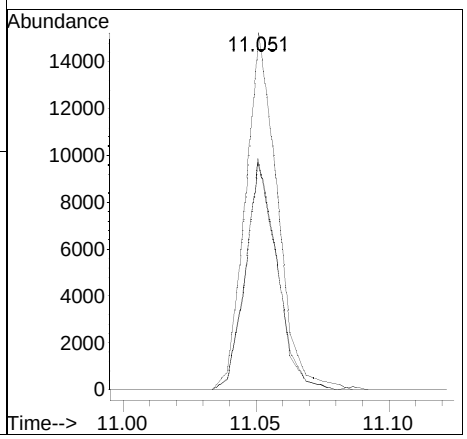


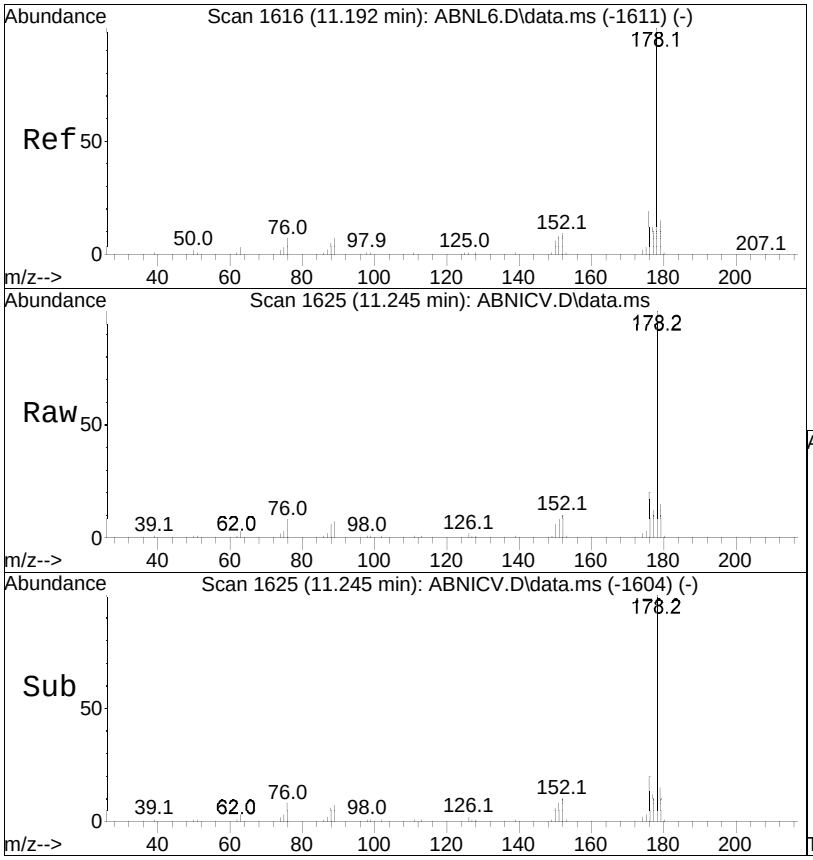


#82
Pentachlorophenol
Concen: 4.24 ug/ml
RT: 11.051 min Scan# 1592
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:266 Resp: 12741

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.7	74.5
268	63.5	50.5	75.7

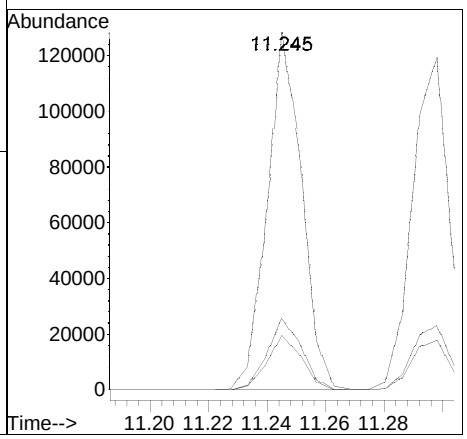


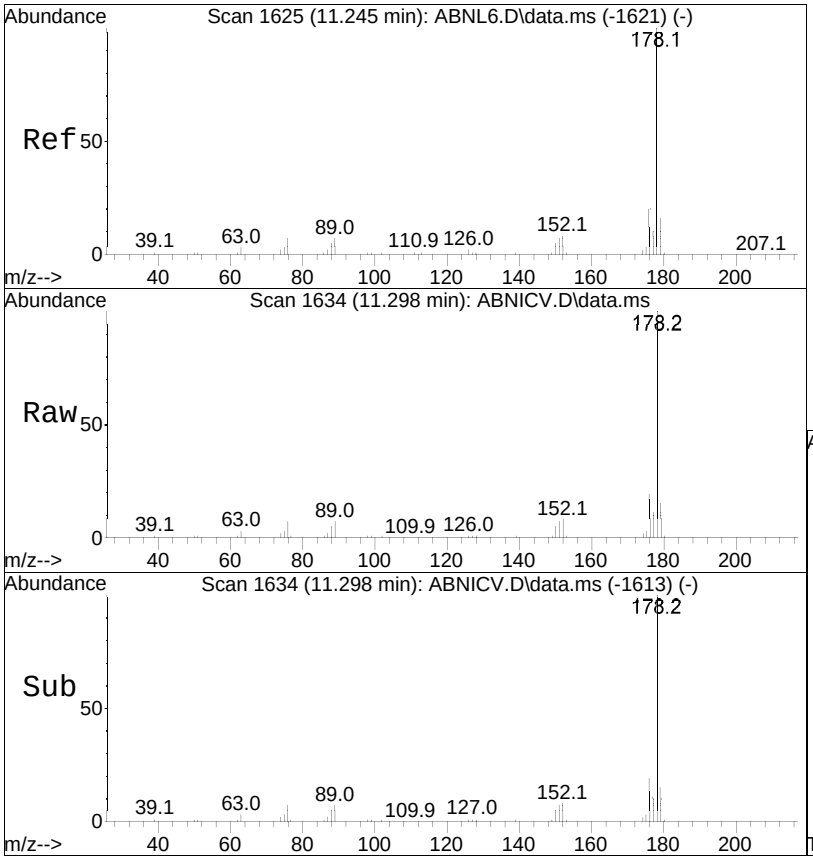


#89
Phenanthrene
Concen: 4.48 ug/ml
RT: 11.245 min Scan# 1625
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:178 Resp: 105121

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.9	15.4	23.2

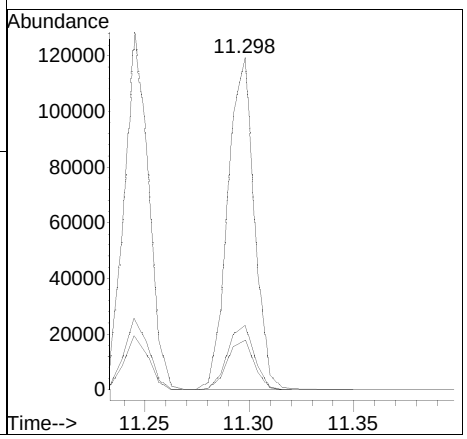


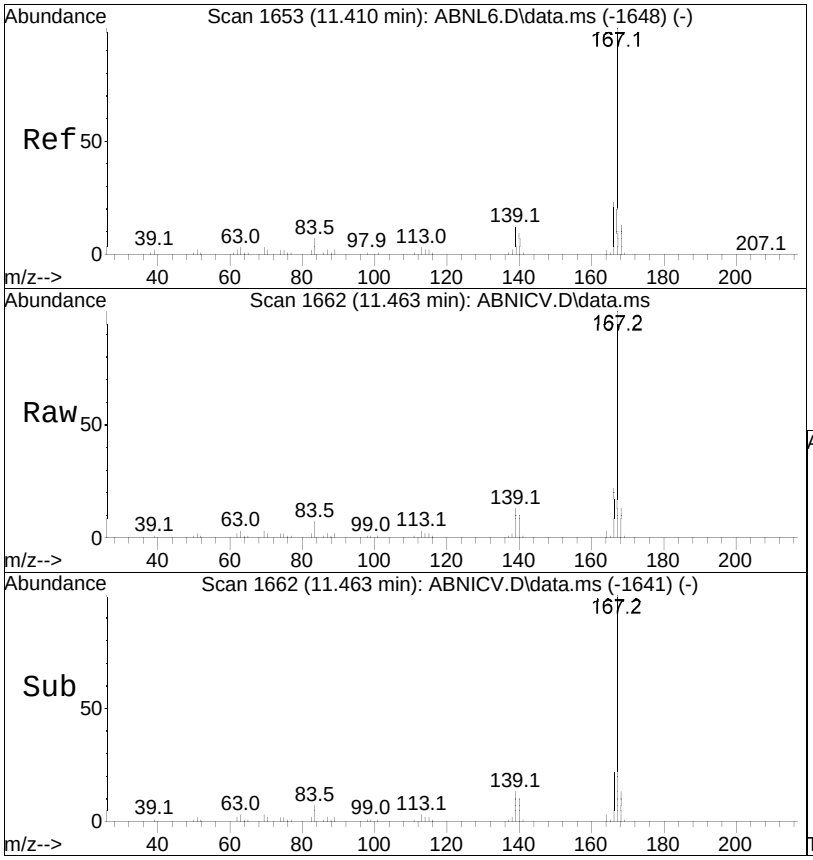


#90
Anthracene
Concen: 4.76 ug/ml
RT: 11.298 min Scan# 1634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:178 Resp: 105625

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.7	14.6	22.0

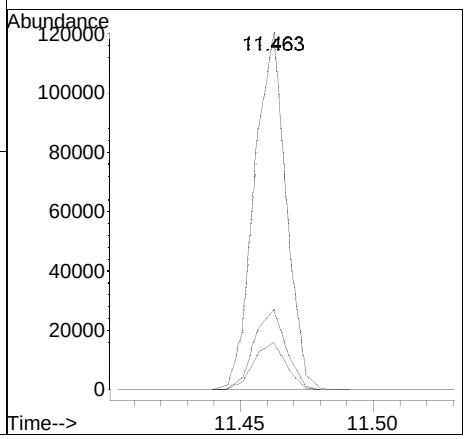


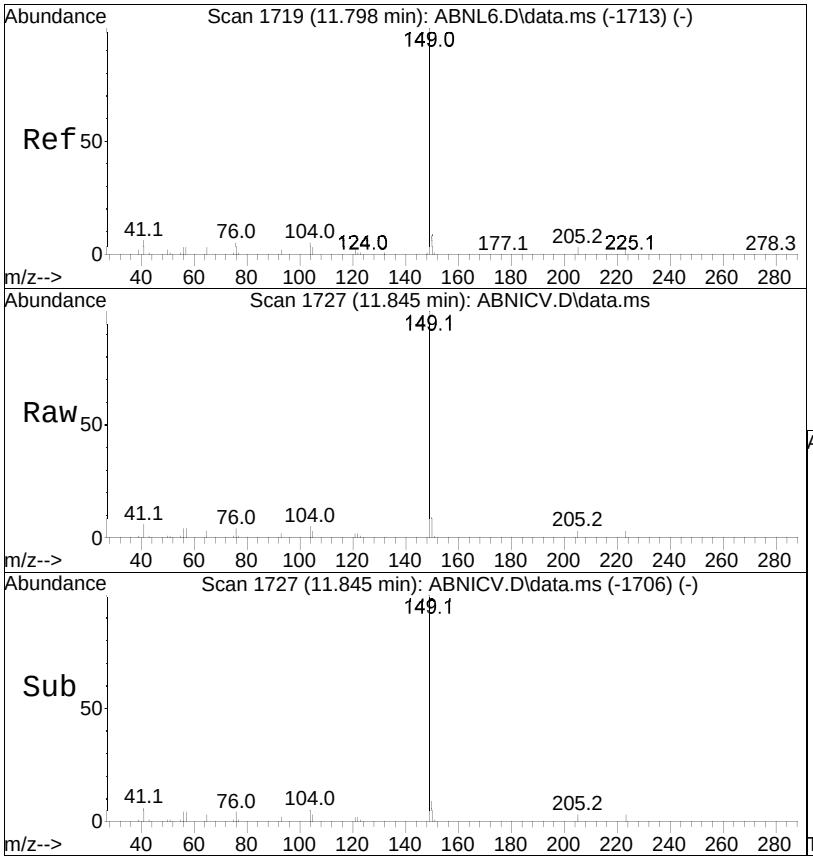


#91
Carbazole
Concen: 4.90 ug/ml
RT: 11.463 min Scan# 1662
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:167 Resp: 99085

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.8	17.4	26.0

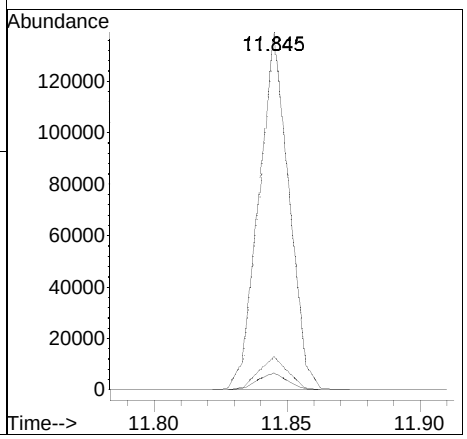


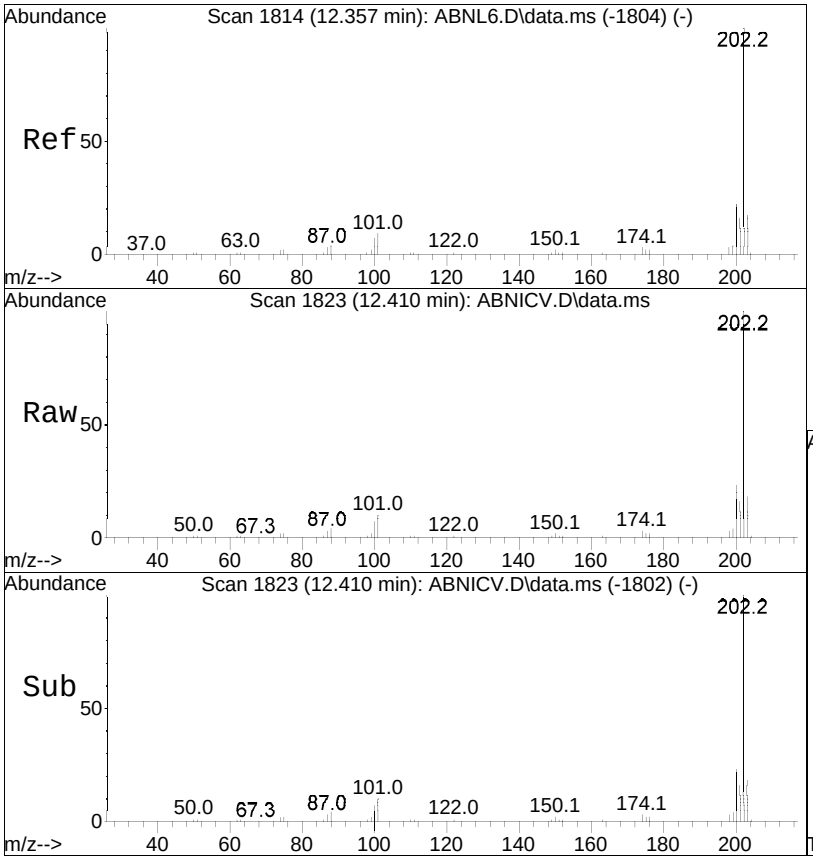


#92
Di-n-butylphthalate
Concen: 4.83 ug/ml
RT: 11.845 min Scan# 1727
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:149 Resp: 107649

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.8	4.5	6.7

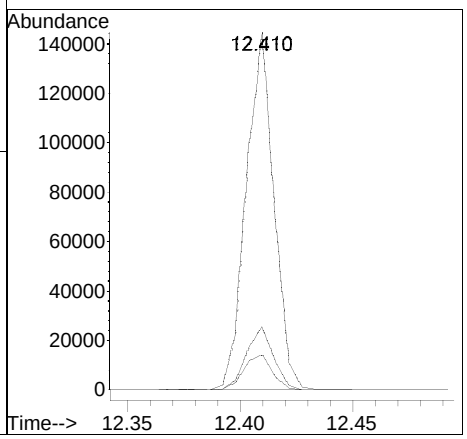


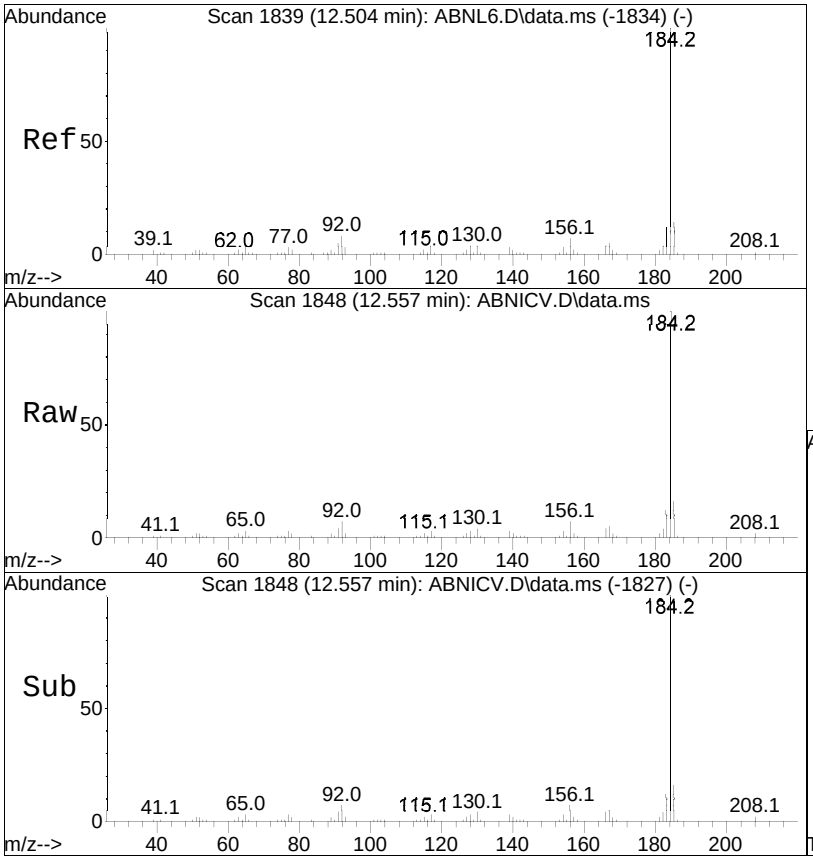


#93
Fluoranthene
Concen: 4.77 ug/ml
RT: 12.410 min Scan# 1823
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:202 Resp: 122428

Ion	Ratio	Lower	Upper
202	100		
101	10.2	13.5	20.3#
203	17.3	13.6	20.4

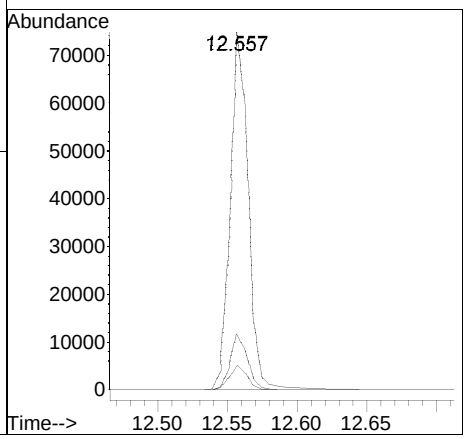


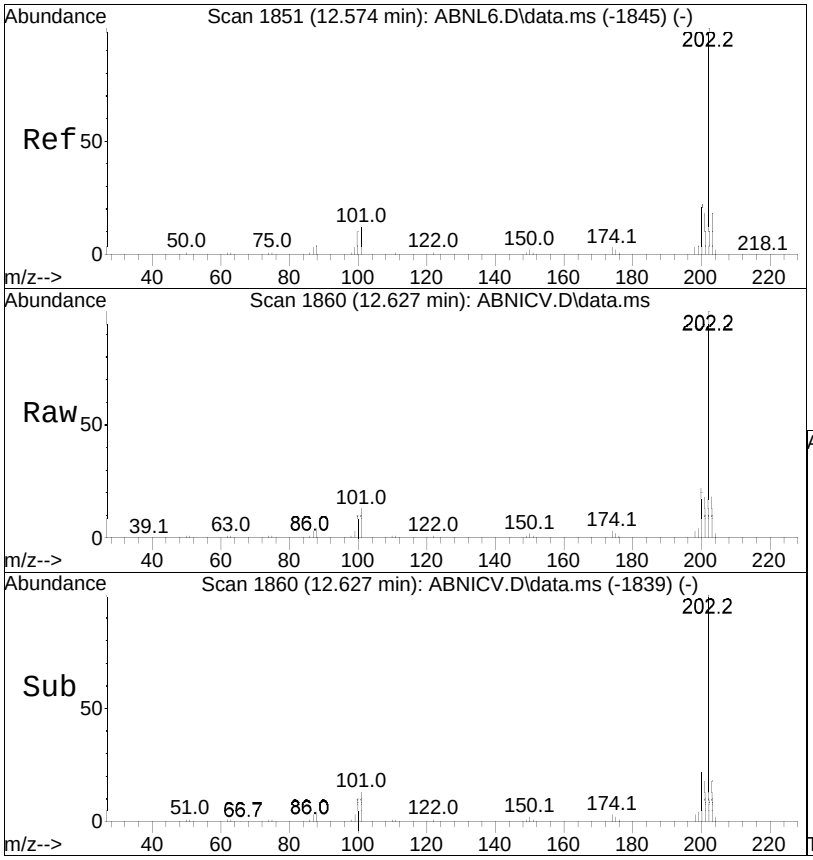


#94
Benzidine
Concen: 4.47 ug/ml
RT: 12.557 min Scan# 1848
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:184 Resp: 66217

Ion	Ratio	Lower	Upper
184	100		
92	6.8	9.1	13.7#
185	15.1	11.1	16.7

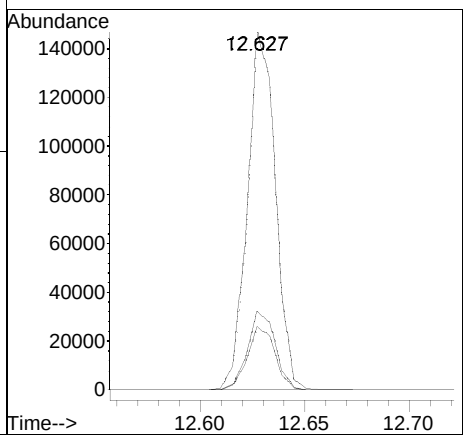


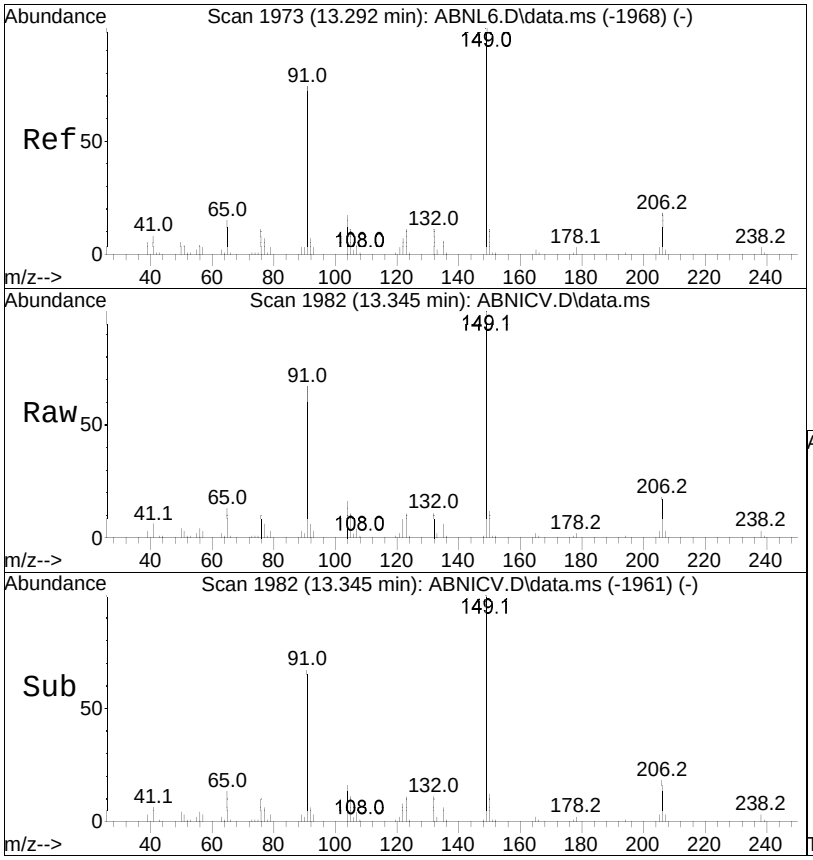


#95
Pyrene
Concen: 4.84 ug/ml
RT: 12.627 min Scan# 1860
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:202 Resp: 135123

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.7	25.1
203	17.6	14.2	21.4

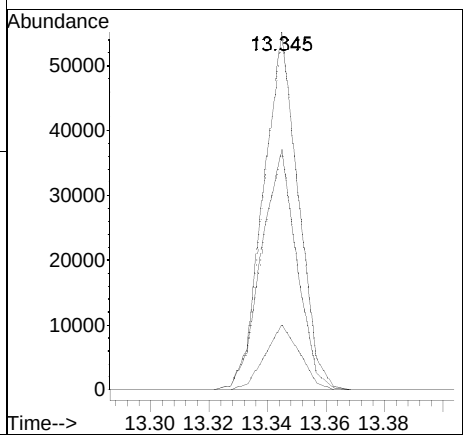


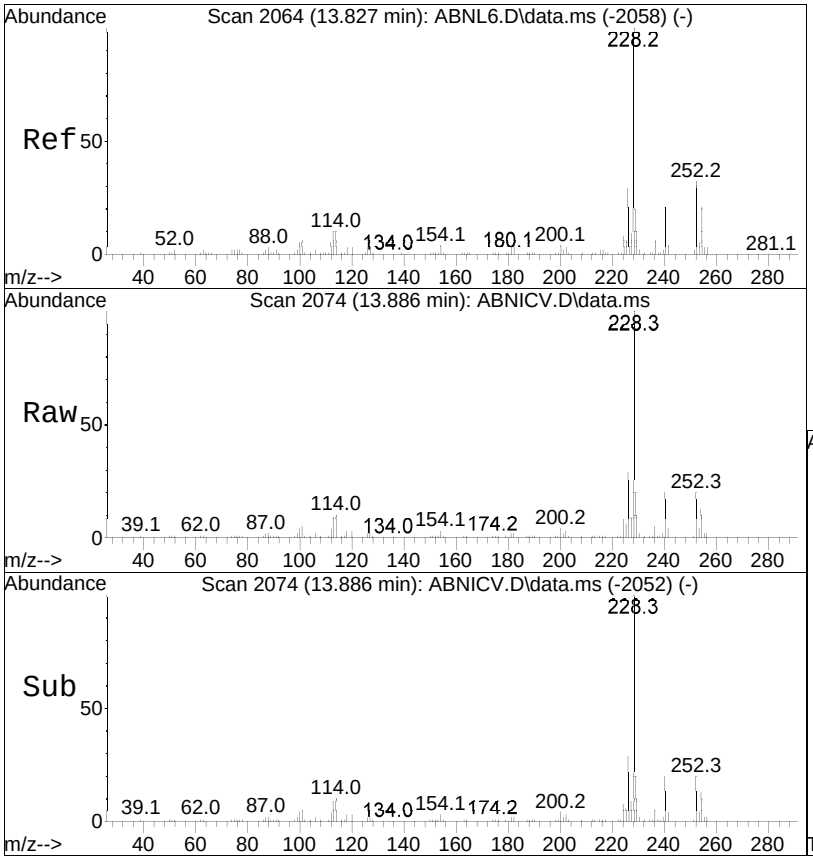


#97
Butyl benzyl phthalate
Concen: 4.01 ug/ml
RT: 13.345 min Scan# 1982
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:149 Resp: 45300

Ion	Ratio	Lower	Upper
149	100		
91	68.4	63.3	94.9
206	18.0	13.9	20.9

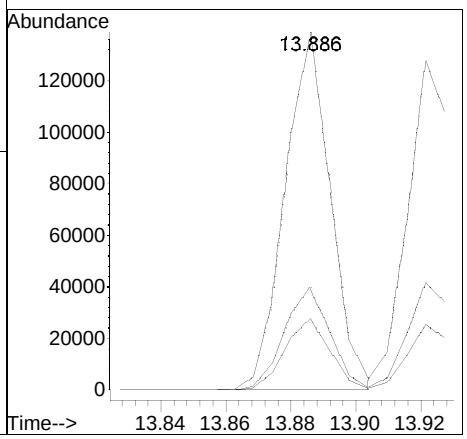


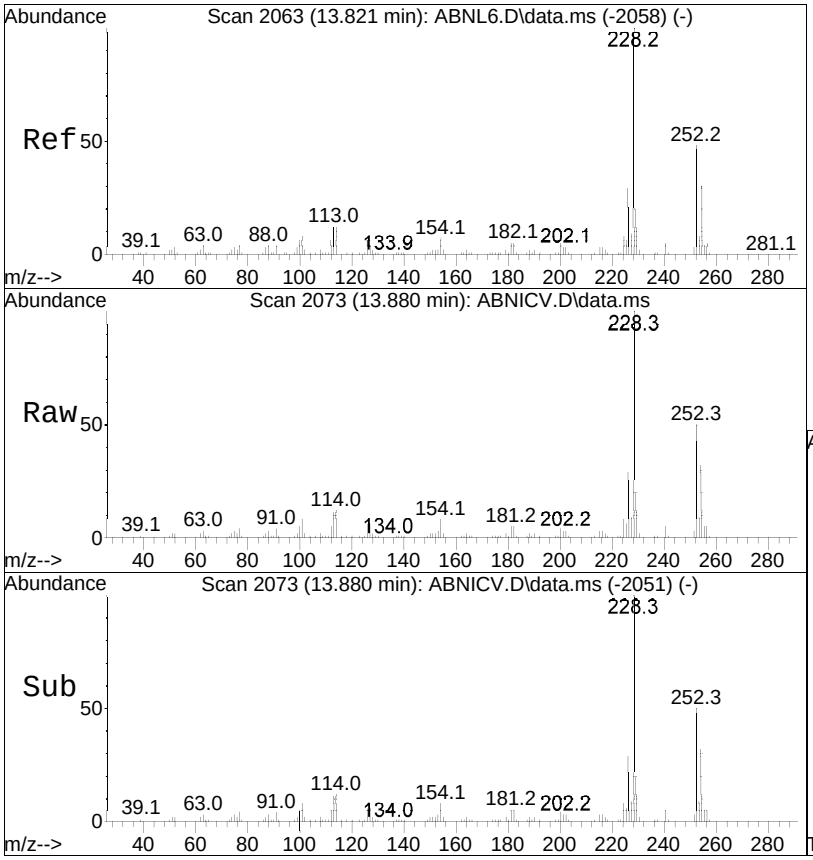


#105
Benzo(a)anthracene
Concen: 4.69 ug/ml
RT: 13.886 min Scan# 2074
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:228 Resp: 134874

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.9	15.6	23.4

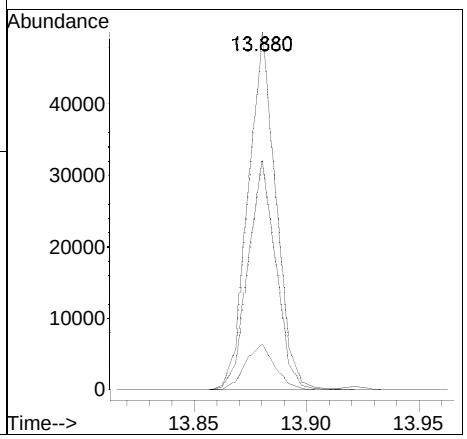


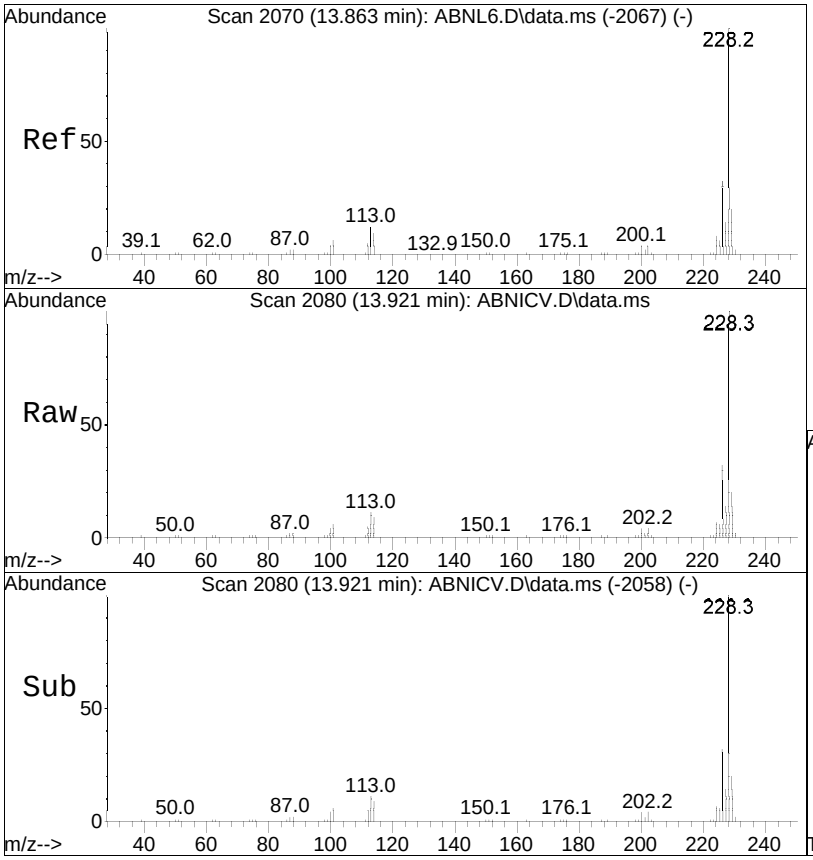


#106
3,3'-Dichlorobenzidine
Concen: 4.17 ug/ml
RT: 13.880 min Scan# 2073
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:252 Resp: 42776

Ion	Ratio	Lower	Upper
252	100		
126	13.9	14.5	21.7#
254	64.1	51.2	76.8

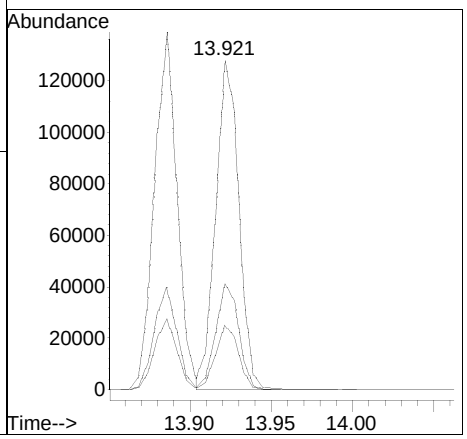


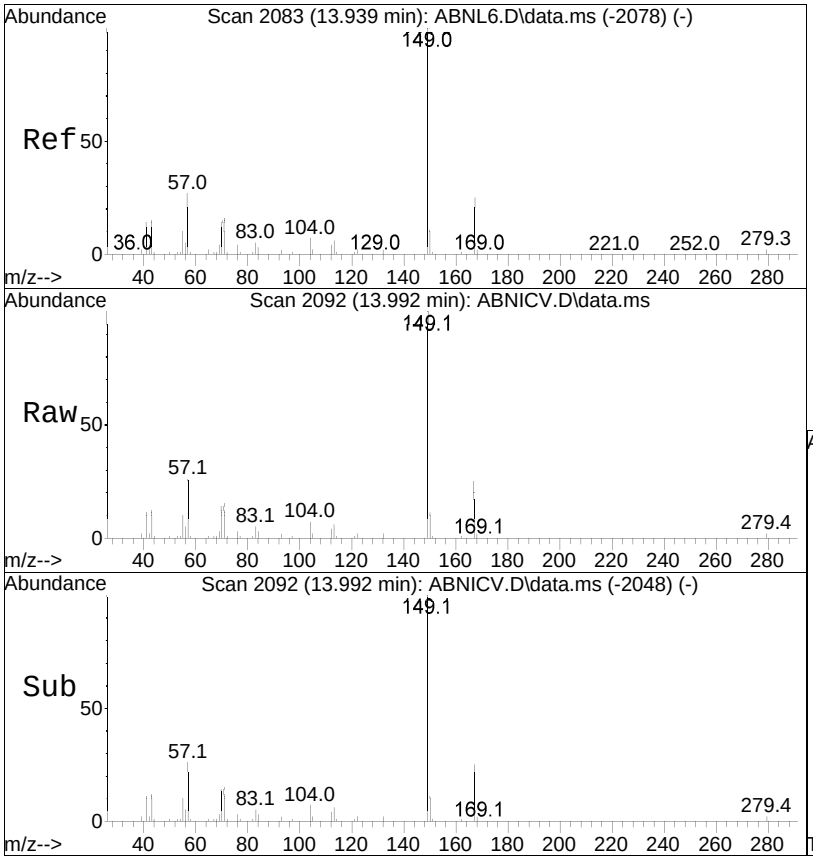


#107
Chrysene
Concen: 4.57 ug/ml
RT: 13.921 min Scan# 2080
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:228 Resp: 126820

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	19.4	15.8	23.8

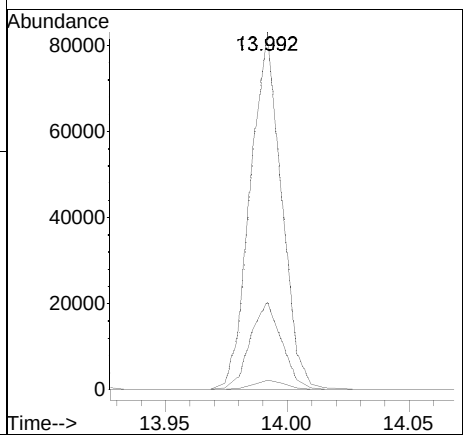


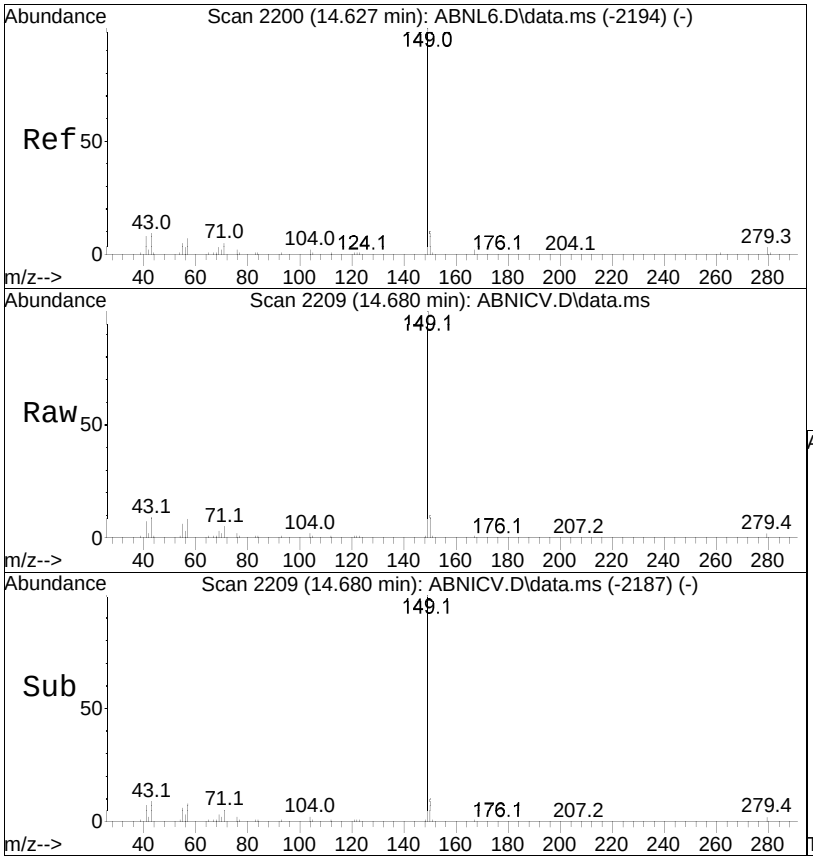


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.73 ug/ml
RT: 13.992 min Scan# 2092
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:149 Resp: 73243

Ion	Ratio	Lower	Upper
149	100		
167	24.7	22.1	33.1
279	2.4	3.0	4.4#

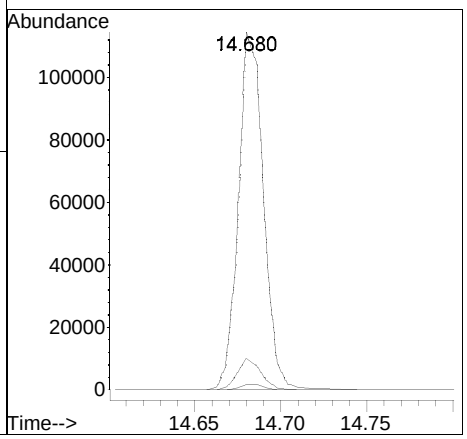


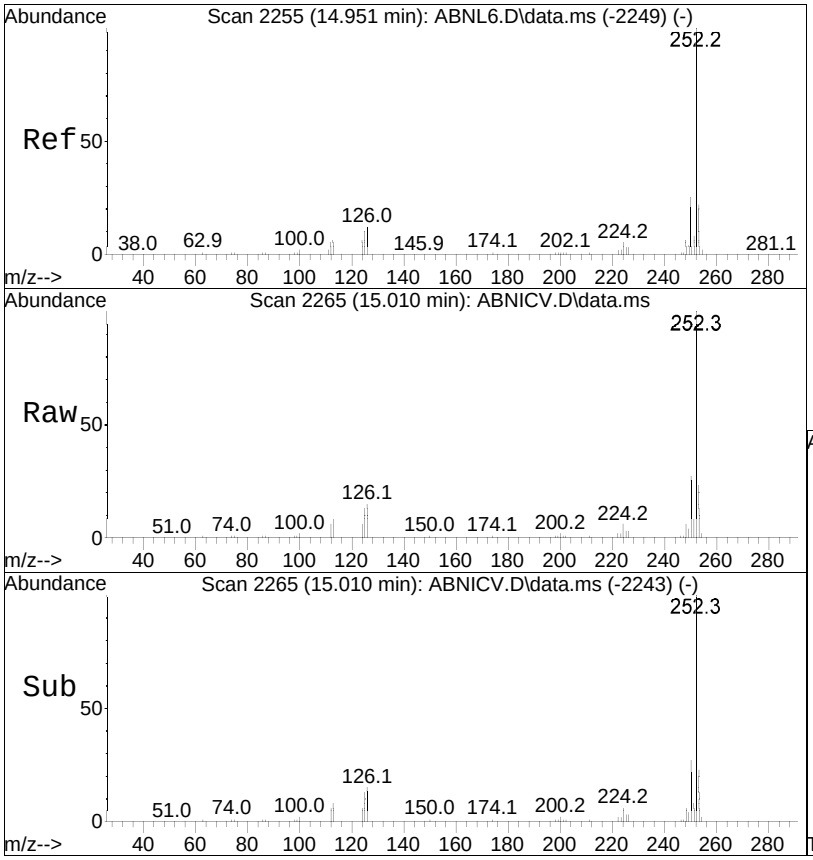


#109
Di-n-octylphthalate
Concen: 4.23 ug/ml
RT: 14.680 min Scan# 2209
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:149 Resp: 113743

Ion	Ratio	Lower	Upper
149	100		
43	8.3	18.8	28.2#
167	1.3	1.3	1.9

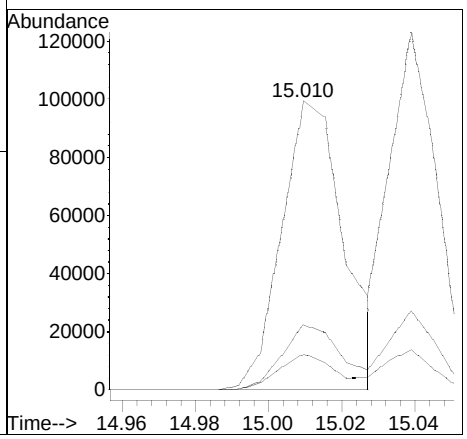


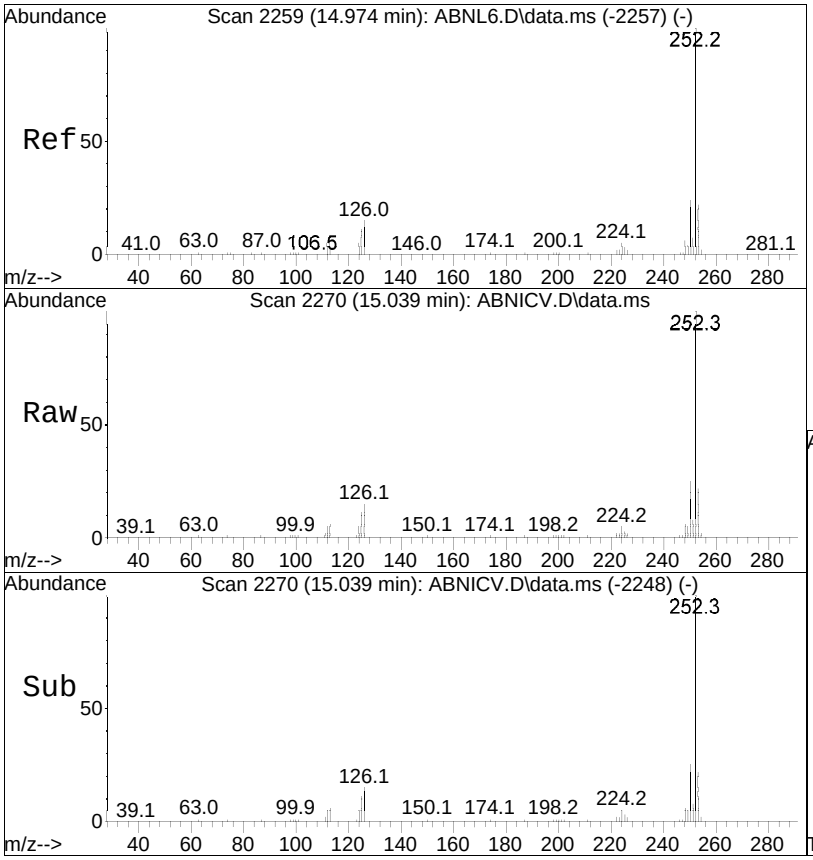


#110
Benzo(b)fluoranthene
Concen: 4.81 ug/ml
RT: 15.010 min Scan# 2265
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:252 Resp: 119034

Ion	Ratio	Lower	Upper
252	100		
125	10.7	13.3	19.9#
253	21.9	17.1	25.7

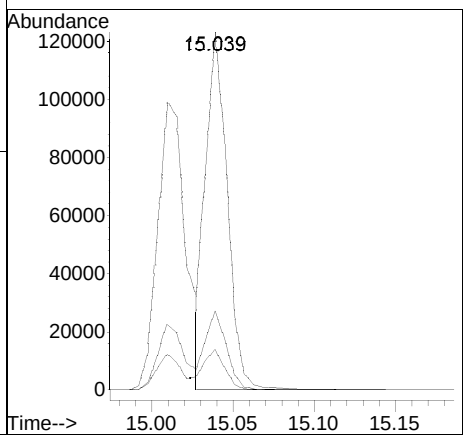


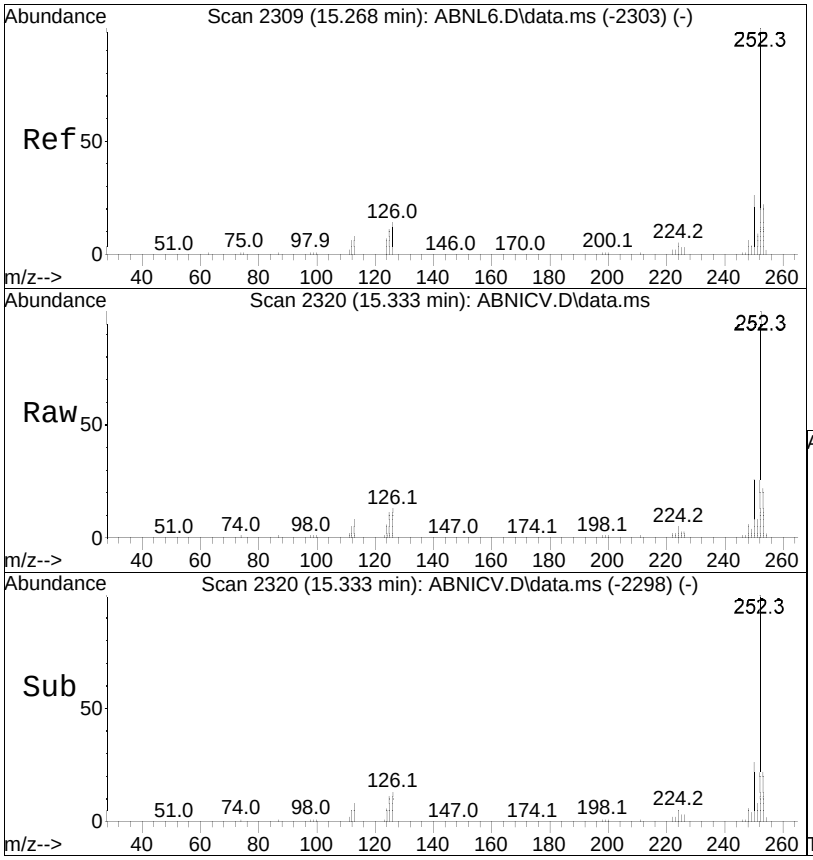


#111
Benzo(k)fluoranthene
Concen: 4.59 ug/ml
RT: 15.039 min Scan# 2270
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:252 Resp: 113429

Ion	Ratio	Lower	Upper
252	100		
125	12.1	13.0	19.6#
253	21.5	16.8	25.2

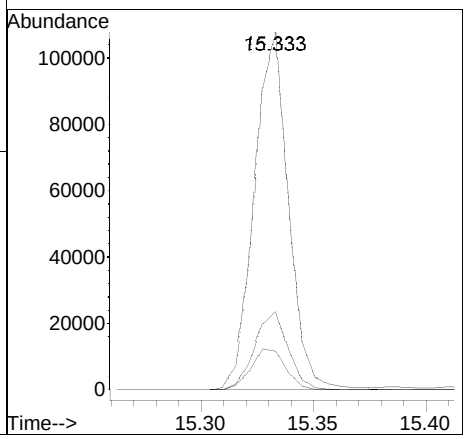


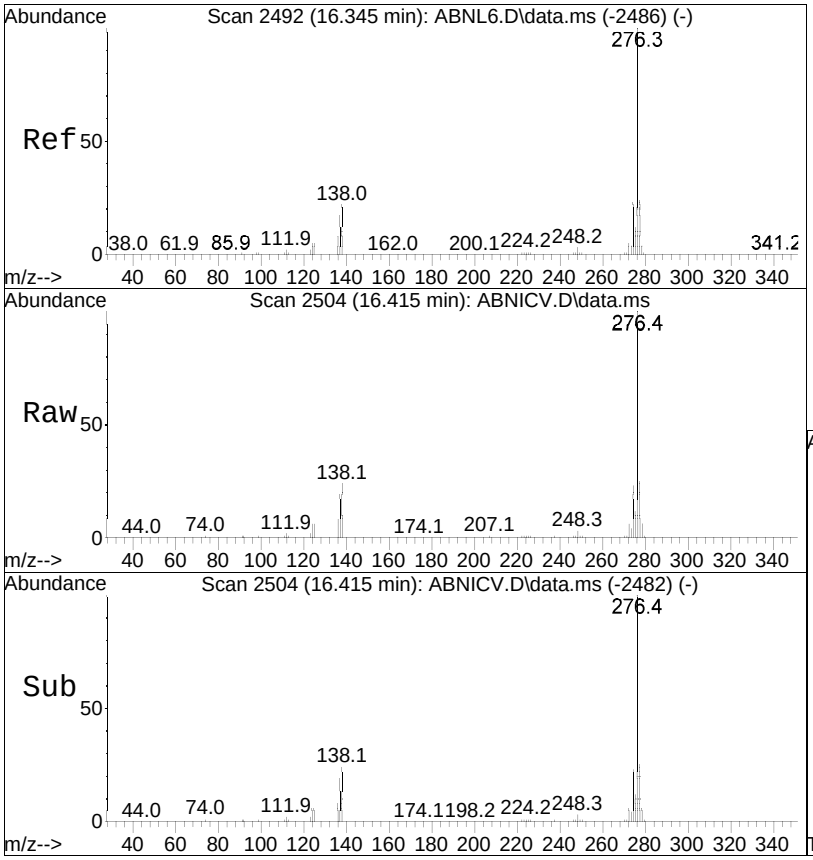


#112
Benzo(a)pyrene
Concen: 5.19 ug/ml
RT: 15.333 min Scan# 2320
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:252 Resp: 112953

Ion	Ratio	Lower	Upper
252	100		
125	11.9	14.2	21.2#
253	21.8	16.9	25.3

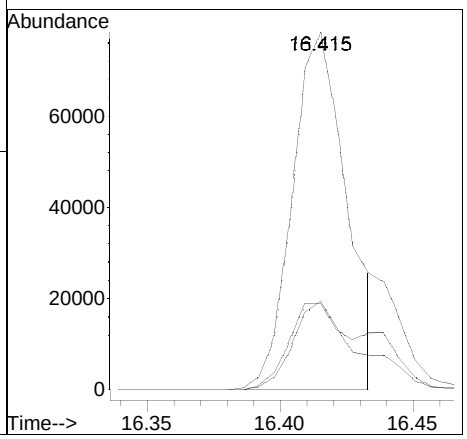


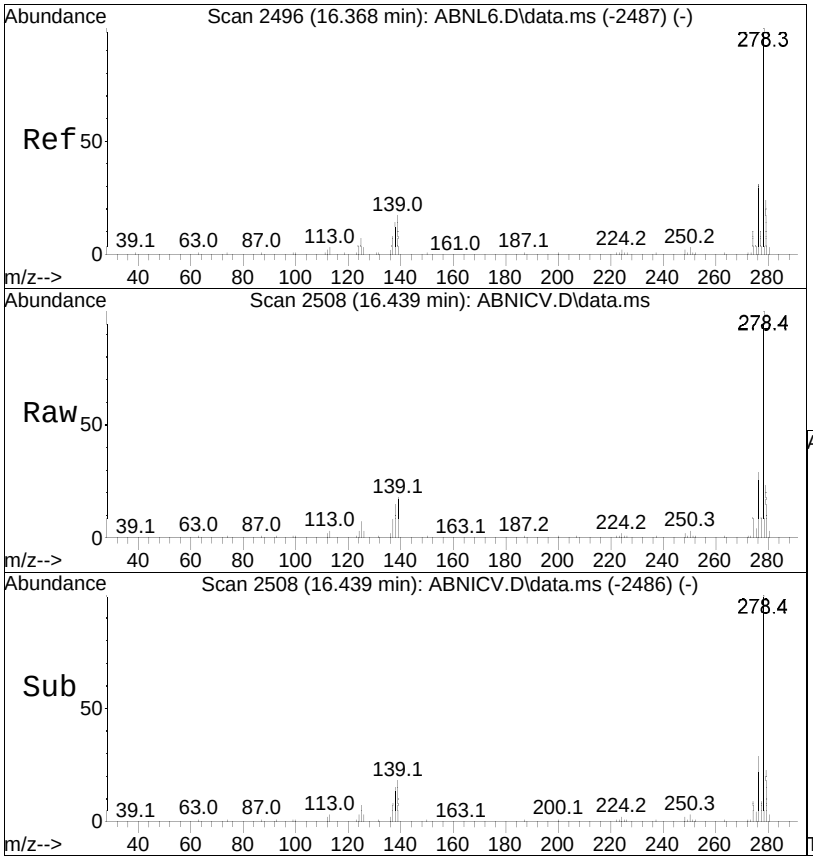


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.88 ug/mL M6
RT: 16.415 min Scan# 2504
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:276 Resp: 111237

Ion	Ratio	Lower	Upper
276	100		
138	36.2	25.1	37.7
277	29.9	18.6	28.0#

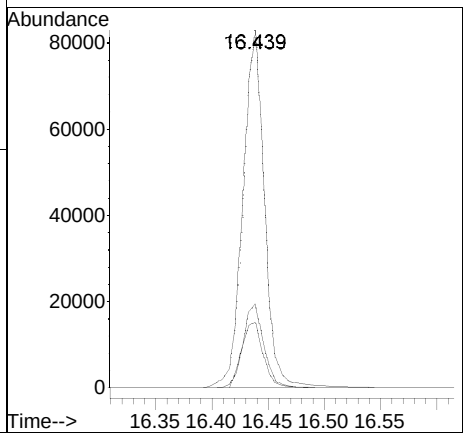


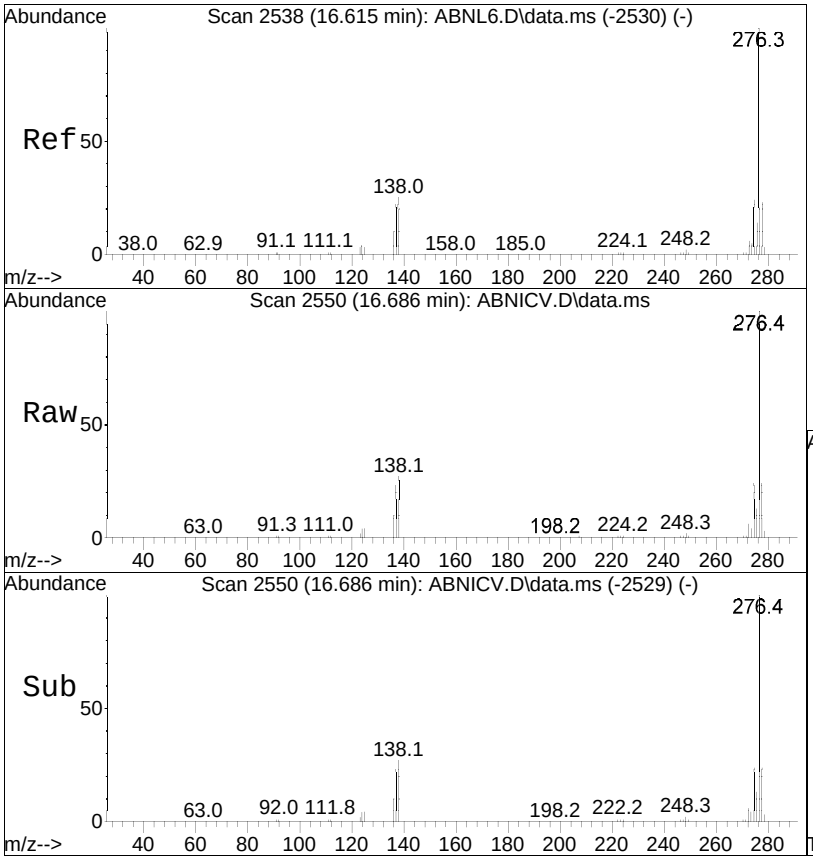


#115
Dibenzo(a,h)anthracene
Concen: 4.98 ug/ml
RT: 16.439 min Scan# 2508
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:278 Resp: 109077

Ion	Ratio	Lower	Upper
278	100		
139	18.6	20.8	31.2#
279	22.9	18.3	27.5

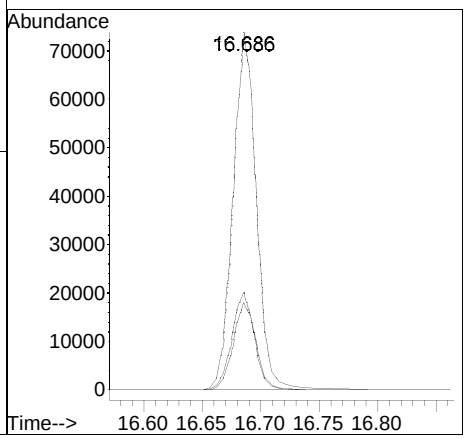




#116
Benzo(ghi)perylene
Concen: 5.00 ug/ml
RT: 16.686 min Scan# 2550
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 31 Jul 2024 3:03 am

Tgt Ion:276 Resp: 101486

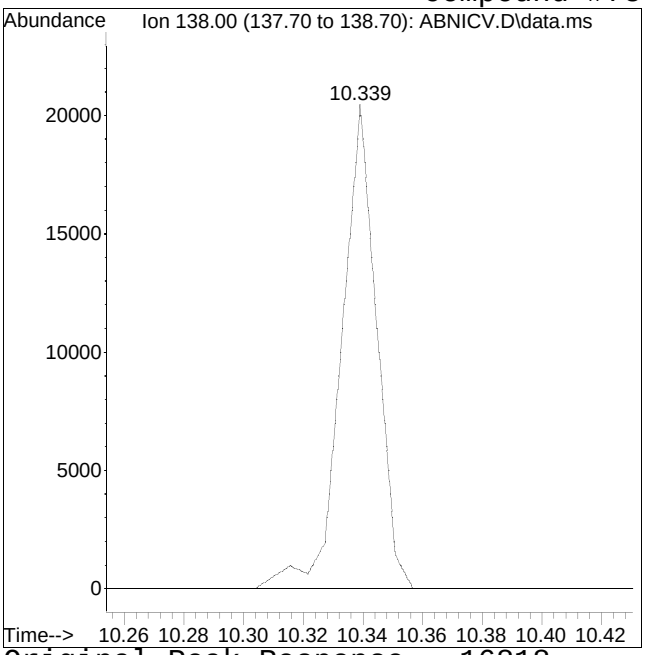
Ion	Ratio	Lower	Upper
276	100		
138	26.3	29.2	43.8#
277	23.9	18.8	28.2



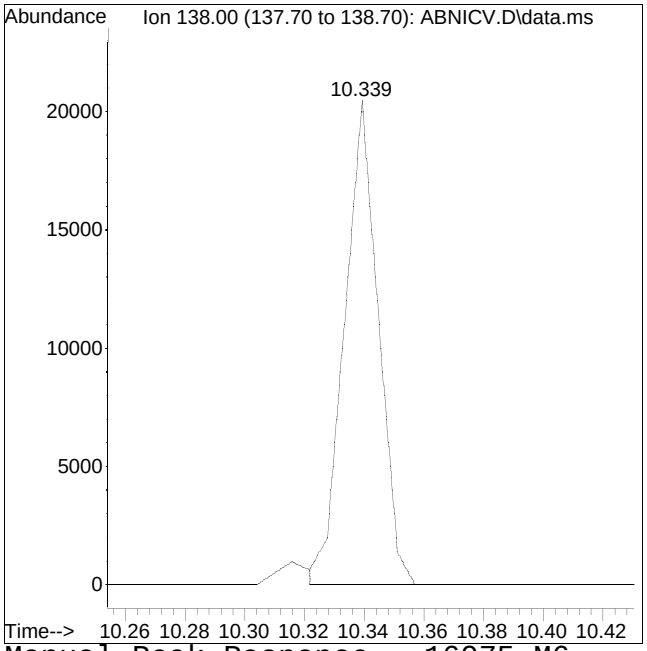
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNICV.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 3:03 am Instrument : SV107
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 8/2/2024 8:00 am

Compound #75: 4-Nitroaniline



Original Peak Response = 16818



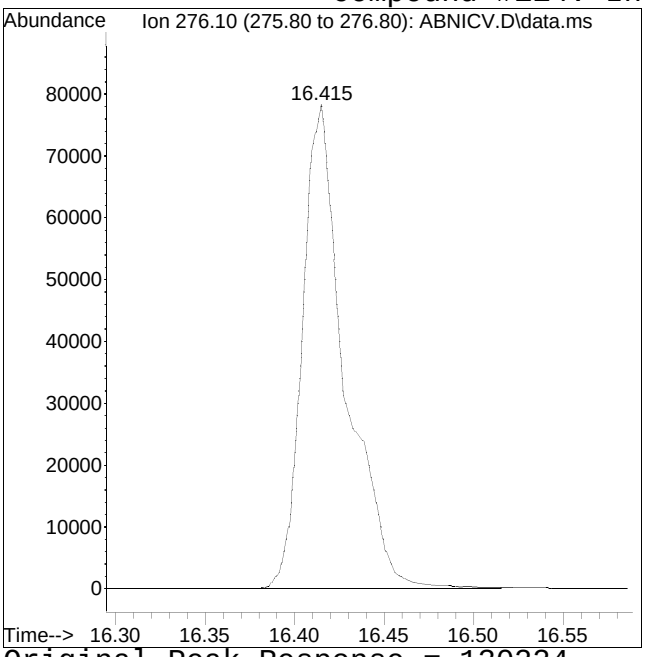
Manual Peak Response = 16075 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

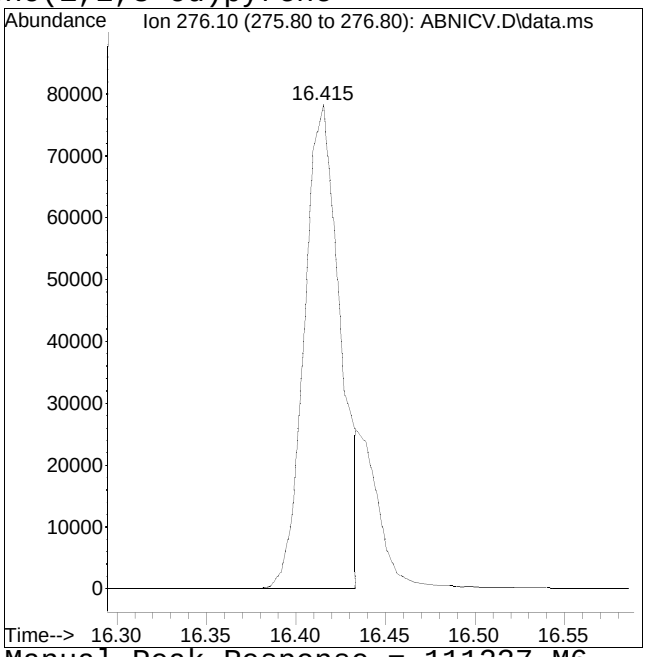
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ABNICV.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 3:03 am Instrument : SV107
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 8/2/2024 8:00 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 130224



Manual Peak Response = 111237 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240730ical\
Data File : AP9ICV.D
Acq On : 31 Jul 2024 3:29 am
Operator : SV107:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1954578,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 02 07:59:39 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	98	0.00
28	T	Benzaldehyde		1.145	1.083	5.4	97	0.00
29	T	Acetophenone		2.032	1.857	8.6	94	0.00
30	T	m-Toluidine		1.860	1.872	-0.6	97	0.00
31	T	2-Chloroaniline		1.773	1.709	3.6	95	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	101	0.00
56	T	a-Terpineol		0.297	0.278	6.4	92	0.00
57	T	3-Chloroaniline		0.163	0.151	7.4	92	0.00
58	T	2,6-Dichlorophenol		0.319	0.304	4.7	92	0.00
59	T	1-chloro-2-nitrobenzene		0.155	0.143	7.7	94	0.00
60	T	Caprolactam	*	5.000	4.192	16.2	93	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.444	0.388	12.6	92	0.00
62	T	Biphenyl		1.036	0.909	12.3	94	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	100	0.00
84	T	Dichloran	*	5.000	3.922	21.6#	94	0.00
85	T	Pentachloronitrobenzene	*	5.000	4.082	18.4	93	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	100	0.00
99	T	Diphenamid		0.507	0.439	13.4	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9ICV.D
Acq On : 31 Jul 2024 3:29 am
Operator : SV107:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1954578,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 02 07:59:39 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.610	152	16038	4.000 ug/ml	0.00
Standard Area 1 = 16322			Recovery =	98.26%	
55) IS2_Naphthalene-d8	8.016	136	60803	4.000 ug/ml	0.00
Standard Area 1 = 60303			Recovery =	100.83%	
83) IS2_Acenaphthene-d10	9.780	164	35188	4.000 ug/ml	0.00
Standard Area 1 = 35340			Recovery =	99.57%	
98) IS2_Phenanthrene-d10	11.221	188	70109	4.000 ug/ml #	0.00
Standard Area 1 = 69901			Recovery =	100.30%	
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	6.045	105	21714	4.732 ug/ml	93
29) Acetophenone	7.092	105	37238	4.571 ug/ml#	83
30) m-Toluidine	7.192	106	37521	5.032 ug/ml	95
31) 2-Chloroaniline	7.592	127	34268	4.822 ug/ml#	93
56) a-Terpineol	8.081	59	21115	4.679 ug/ml#	83
57) 3-Chloroaniline	8.098	65	11441	4.629 ug/ml	98
58) 2,6-Dichlorophenol	8.128	162	23103	4.757 ug/ml#	88
59) 1-chloro-2-nitrobenzene	8.392	111	10890	4.622 ug/ml#	1
60) Caprolactam	8.428	55	10543	4.192 ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.928	216	29474	4.365 ug/ml	98
62) Biphenyl	9.227	154	69073	4.387 ug/ml	98
84) Dichloran	10.916	206	6837	3.922 ug/ml#	72
85) Pentachloronitrobenzene	11.069	237	6841	4.082 ug/ml#	84
99) Diphenamid	12.127	167	38499	4.337 ug/ml#	81

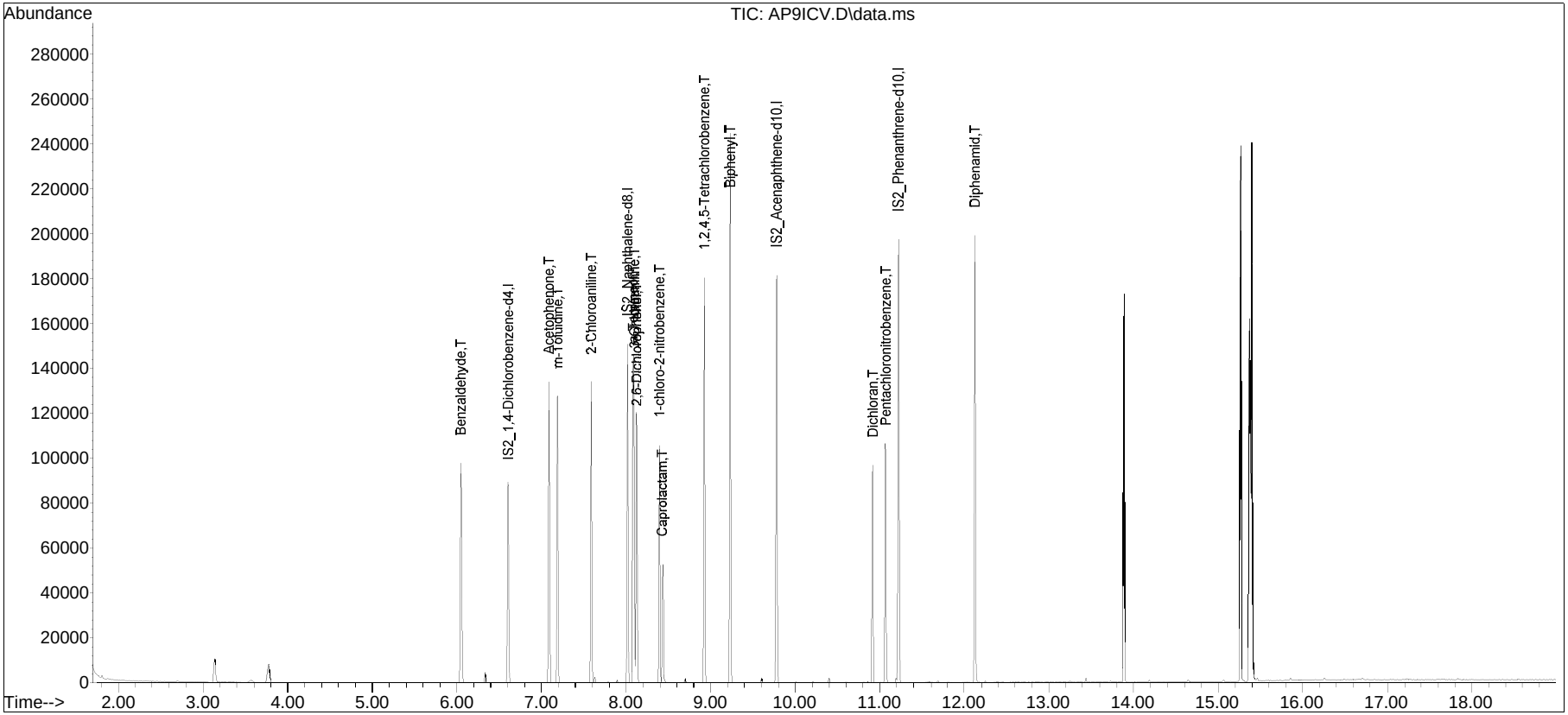
(#) = qualifier out of range (m) = manual integration (+) = signals summed

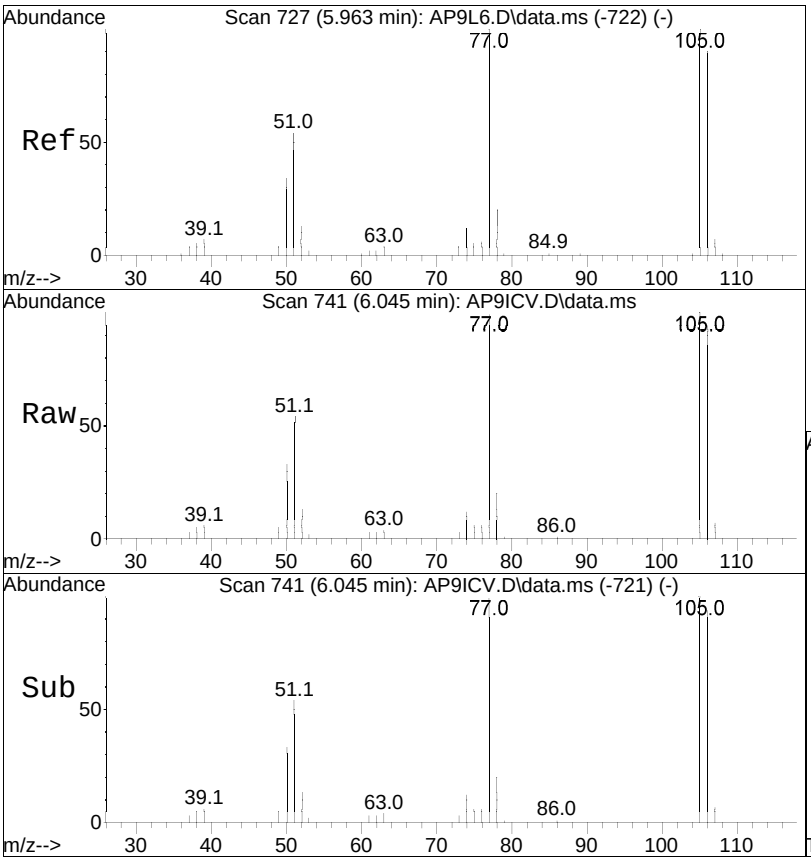
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : AP9ICV.D
Acq On : 31 Jul 2024 3:29 am
Operator : SV107:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1954578,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 02 07:59:39 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•

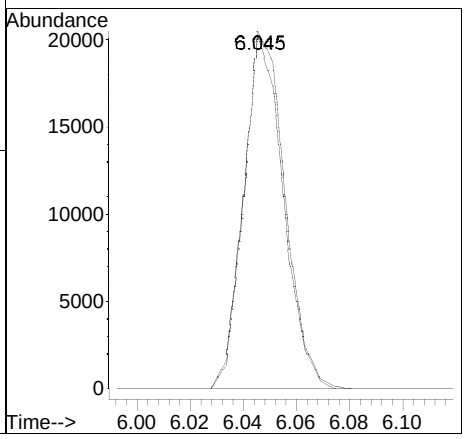


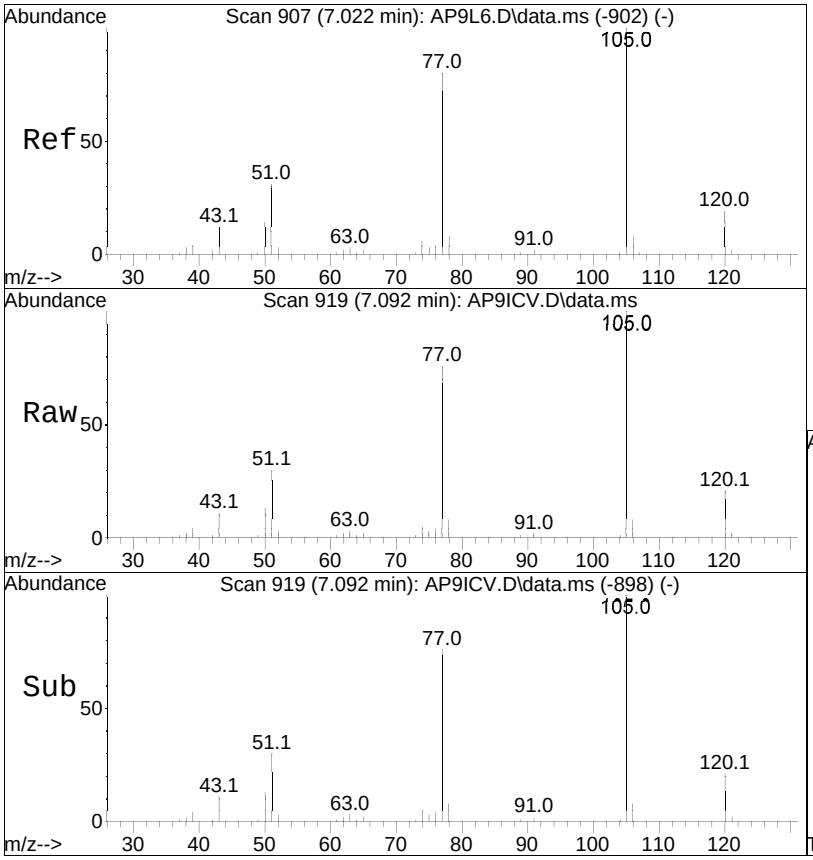


#28
Benzaldehyde
Concen: 4.73 ug/ml
RT: 6.045 min Scan# 741
Delta R.T. -0.006 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:105 Resp: 21714

Ion	Ratio	Lower	Upper
105	100		
77	96.2	82.2	123.4

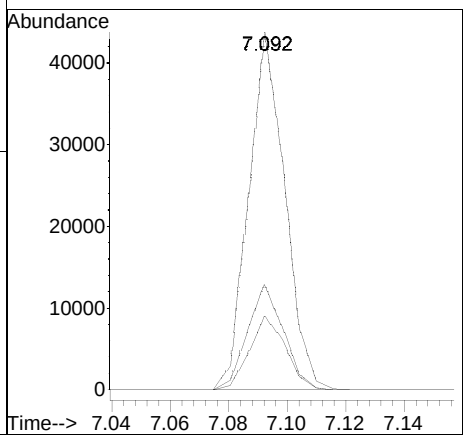


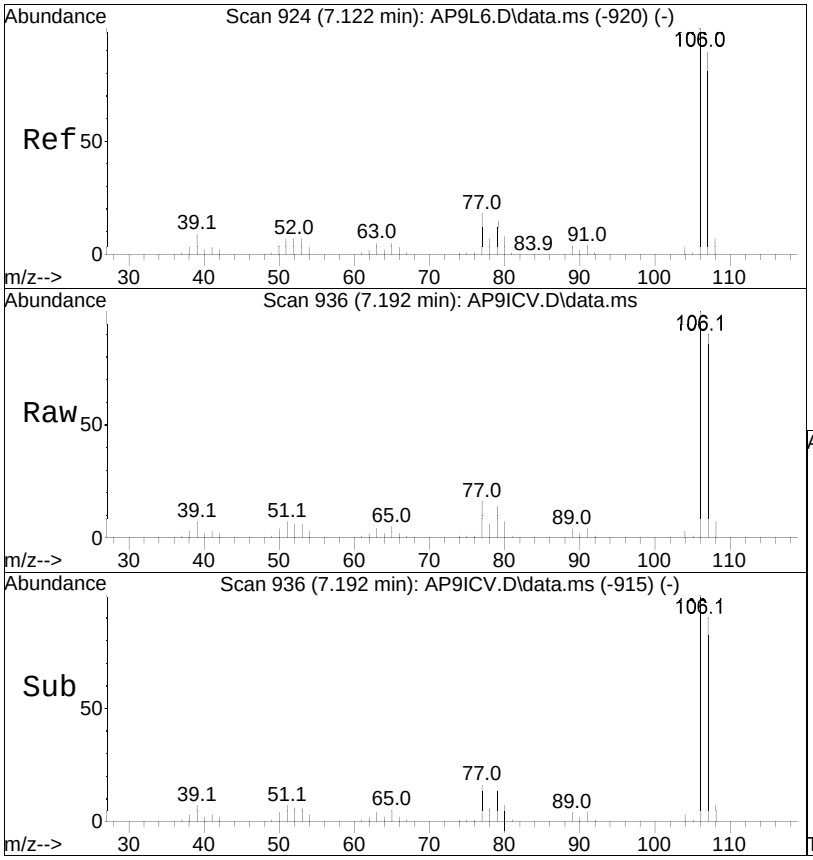


#29
Acetophenone
Concen: 4.57 ug/ml
RT: 7.092 min Scan# 919
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:105 Resp: 37238

Ion	Ratio	Lower	Upper
105	100		
120	20.7	20.5	30.7
51	29.5	34.9	52.3#

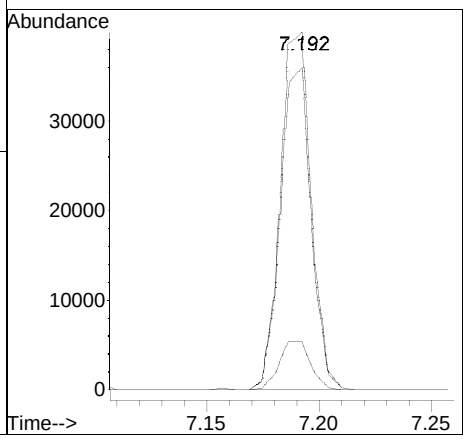


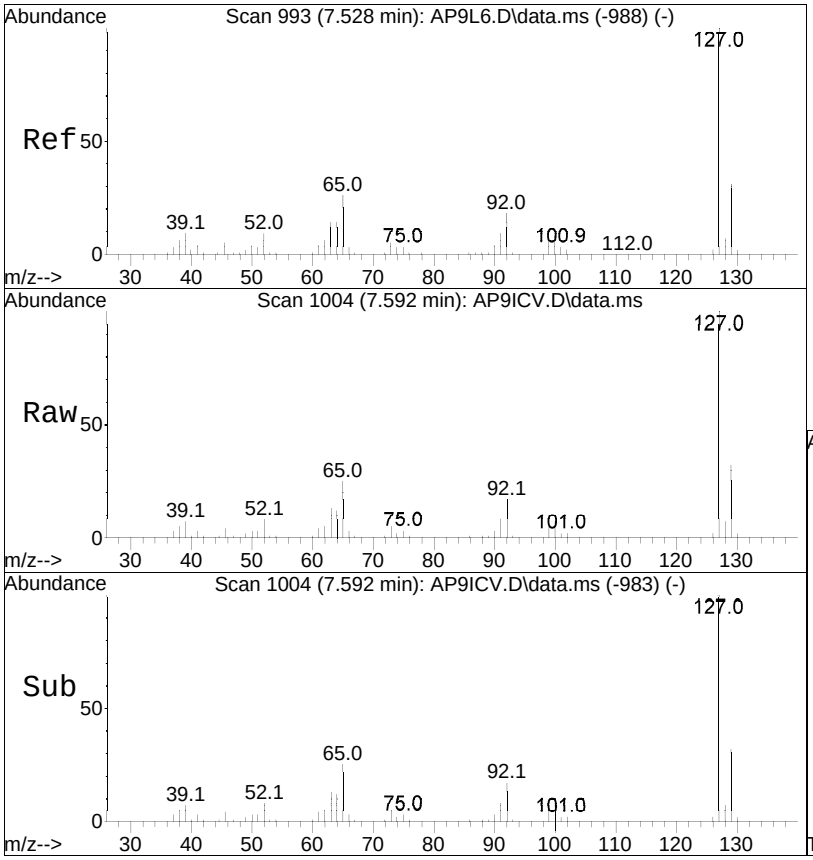


#30
m-Toluidine
Concen: 5.03 ug/ml
RT: 7.192 min Scan# 936
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:106 Resp: 37521

Ion	Ratio	Lower	Upper
106	100		
107	89.7	75.7	113.5
79	14.0	11.8	17.8

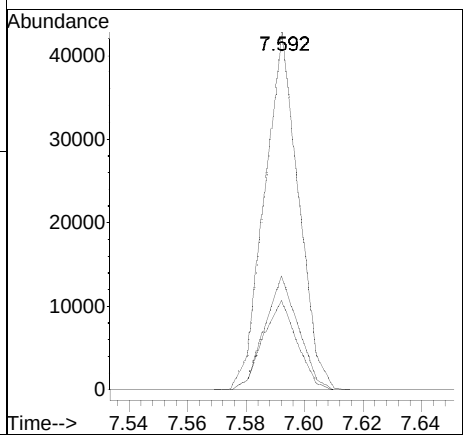


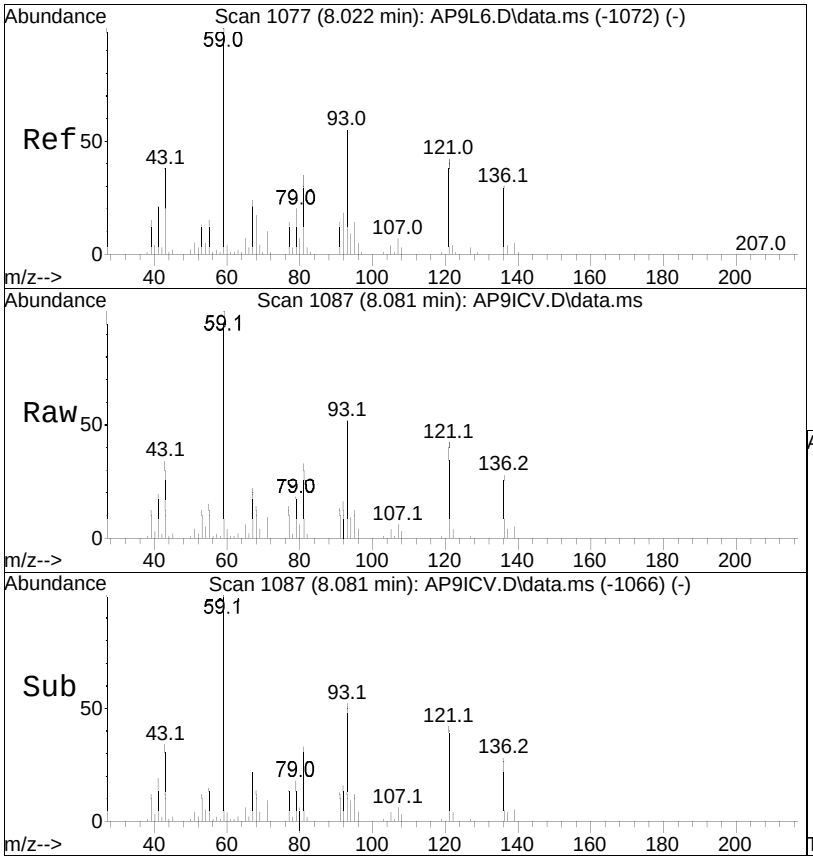


#31
2-Chloroaniline
Concen: 4.82 ug/ml
RT: 7.592 min Scan# 1004
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:127 Resp: 34268

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	25.2	26.3	39.5#

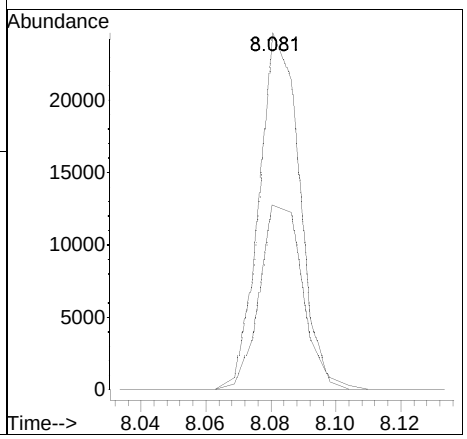


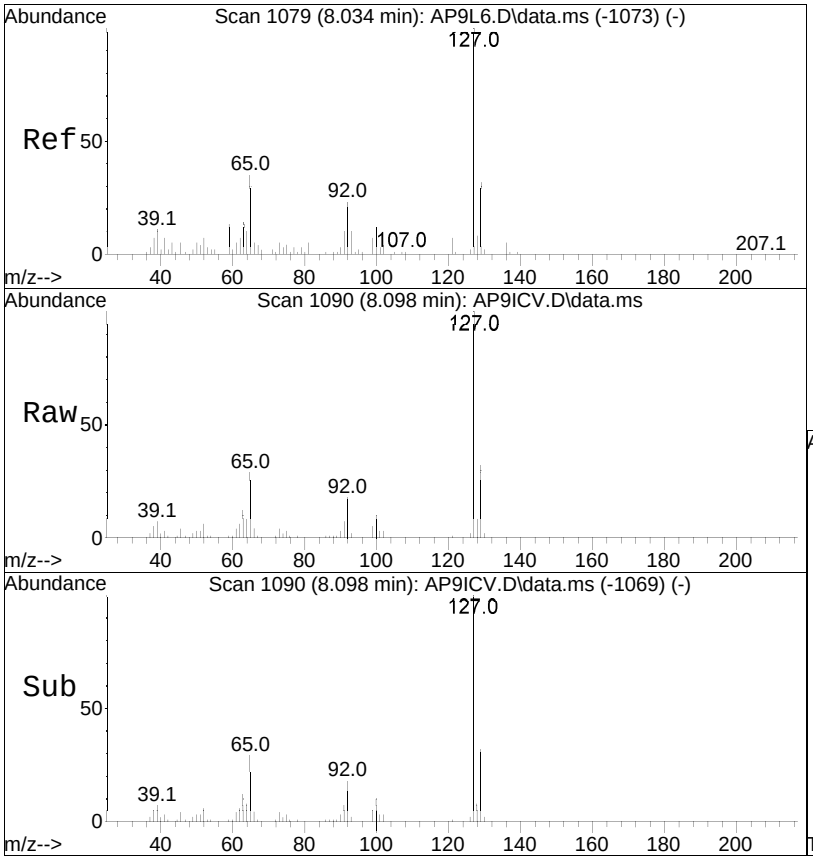


#56
a-Terpineol
Concen: 4.68 ug/ml
RT: 8.081 min Scan# 1087
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion: 59 Resp: 21115

Ion	Ratio	Lower	Upper
59	100		
93	55.9	35.6	53.4#

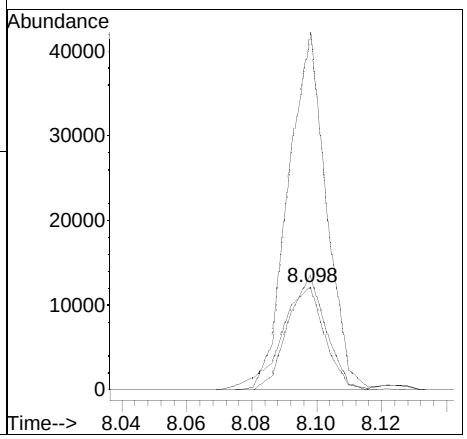


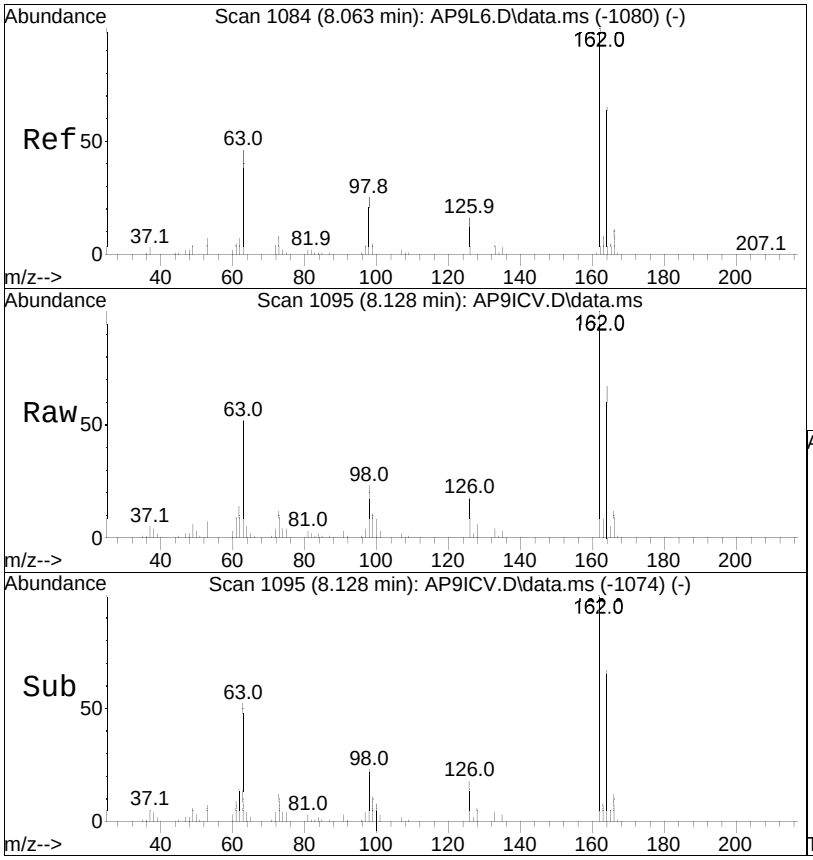


#57
3-Chloroaniline
Concen: 4.63 ug/ml
RT: 8.098 min Scan# 1090
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion: 65 Resp: 11441

Ion	Ratio	Lower	Upper
65	100		
127	300.8	243.2	364.8
129	95.6	78.8	118.2

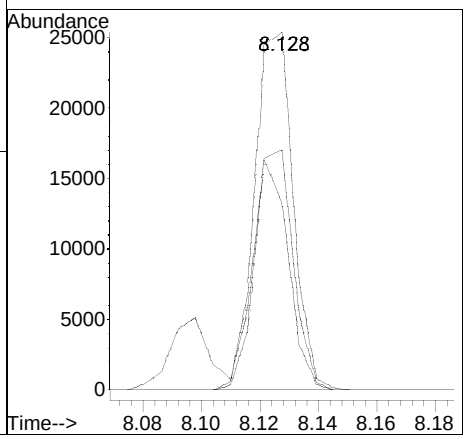


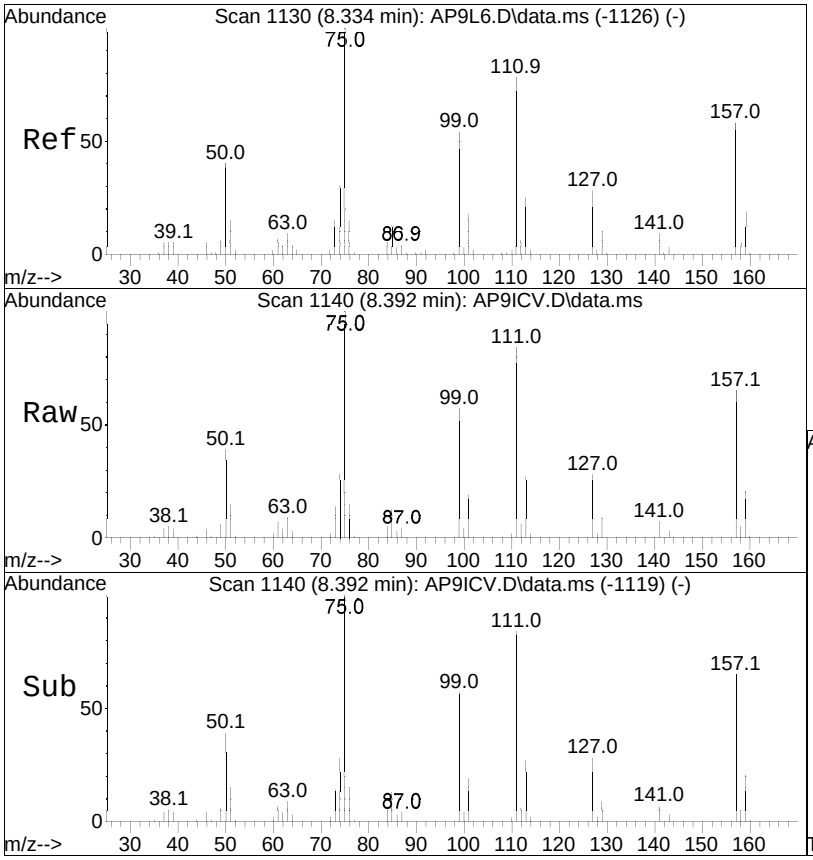


#58
2,6-Dichlorophenol
Concen: 4.76 ug/ml
RT: 8.128 min Scan# 1095
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:162 Resp: 23103

Ion	Ratio	Lower	Upper
162	100		
164	66.7	51.1	76.7
63	59.3	60.8	91.2#

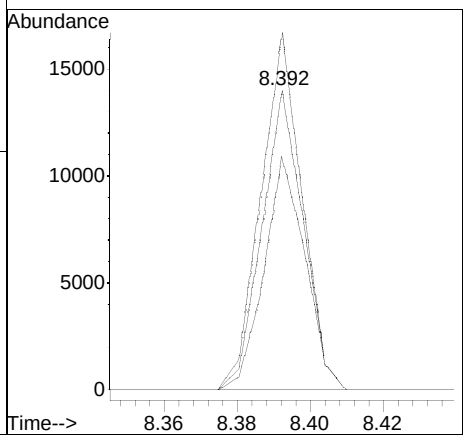


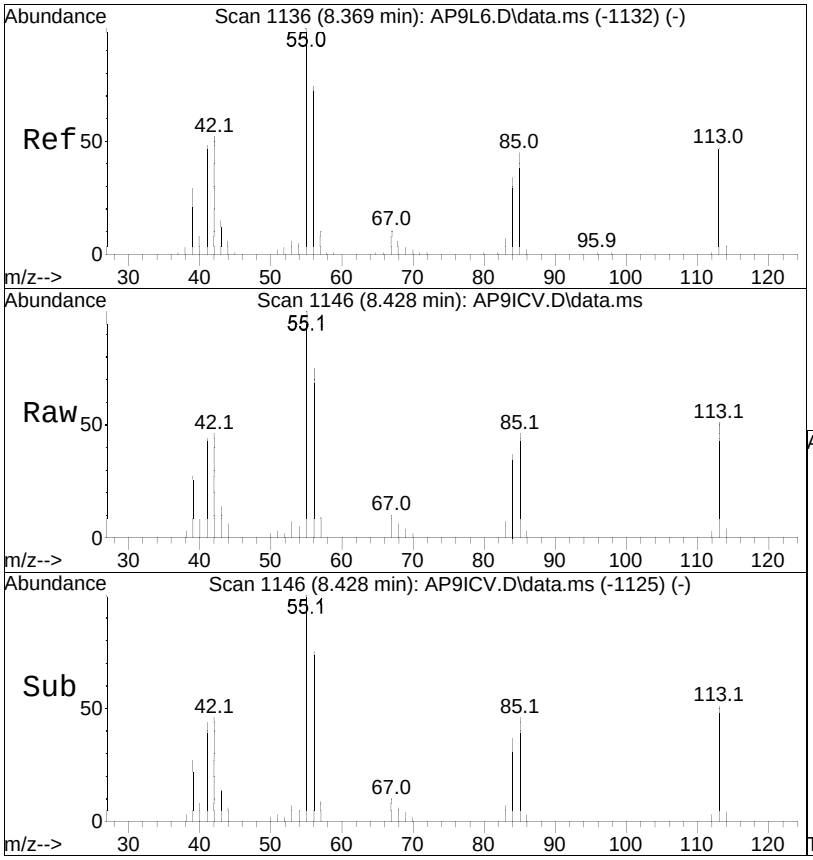


#59
1-chloro-2-nitrobenzene
Concen: 4.62 ug/ml
RT: 8.392 min Scan# 1140
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:111 Resp: 10890

Ion	Ratio	Lower	Upper
111	100		
157	77.4	0.0	0.0#
75	118.5	28.2	42.2#

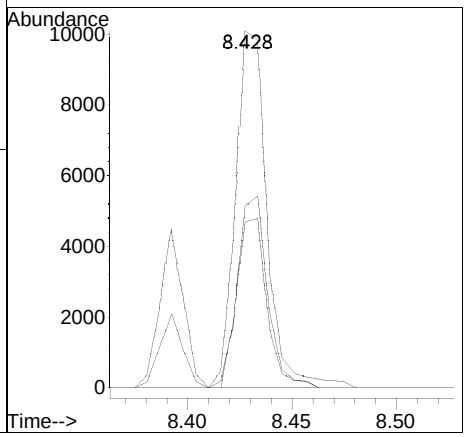


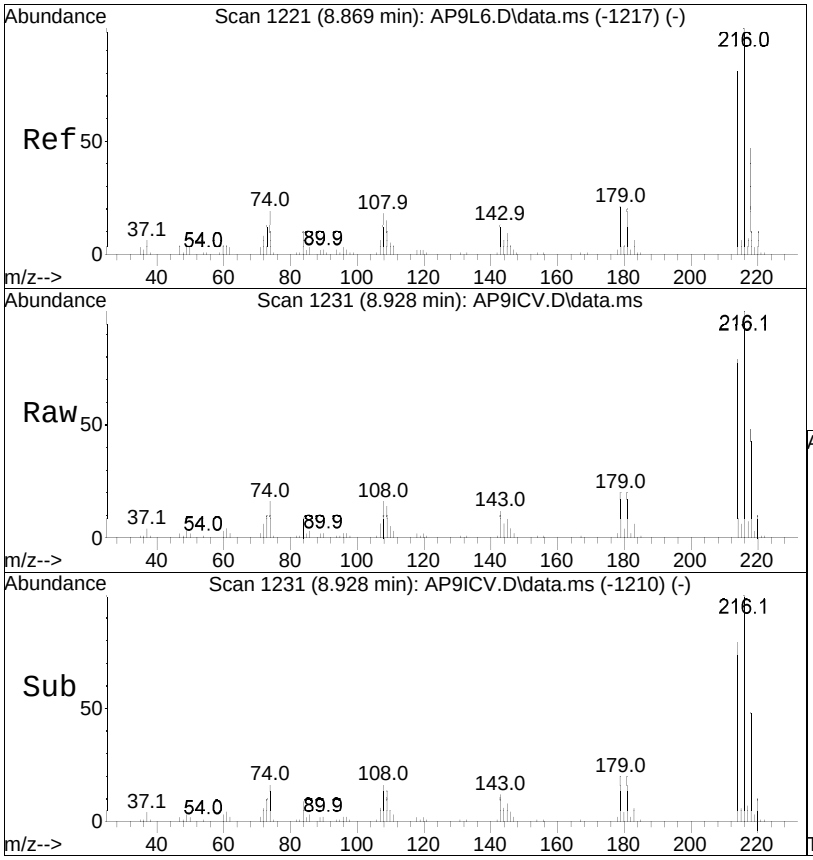


#60
Caprolactam
Concen: 4.19 ug/ml
RT: 8.428 min Scan# 1146
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion: 55 Resp: 10543

Ion	Ratio	Lower	Upper
55	100		
85	45.8	19.8	29.6#
113	51.8	29.6	44.4#

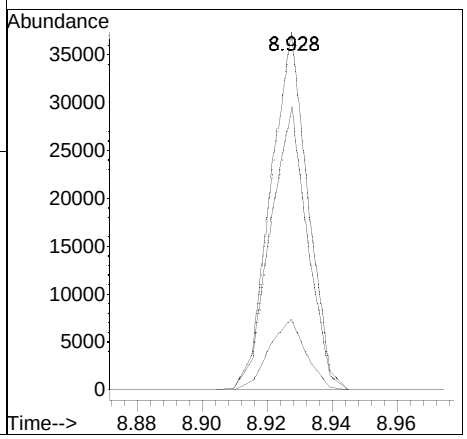


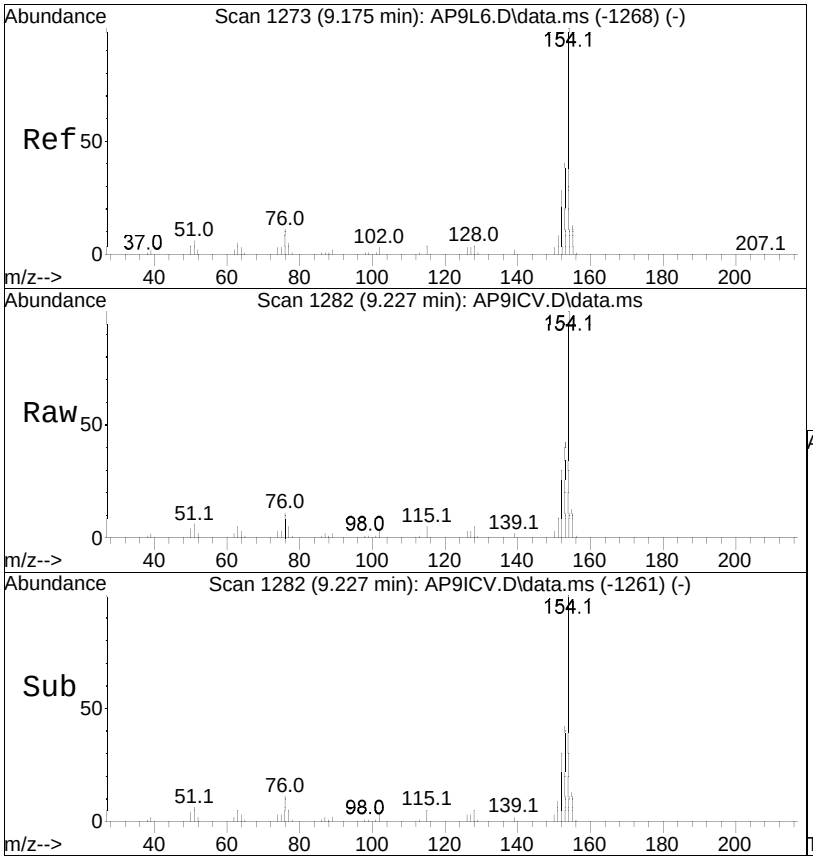


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.37 ug/ml
RT: 8.928 min Scan# 1231
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:216 Resp: 29474

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.7	95.5
179	19.7	19.0	28.6

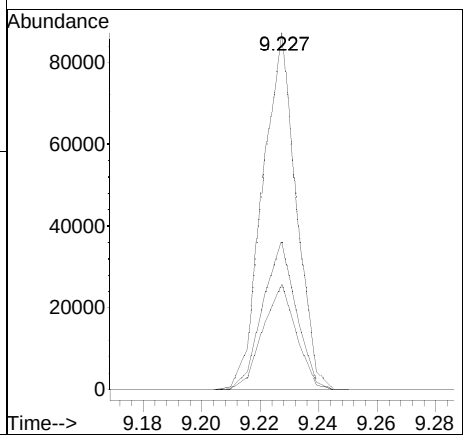


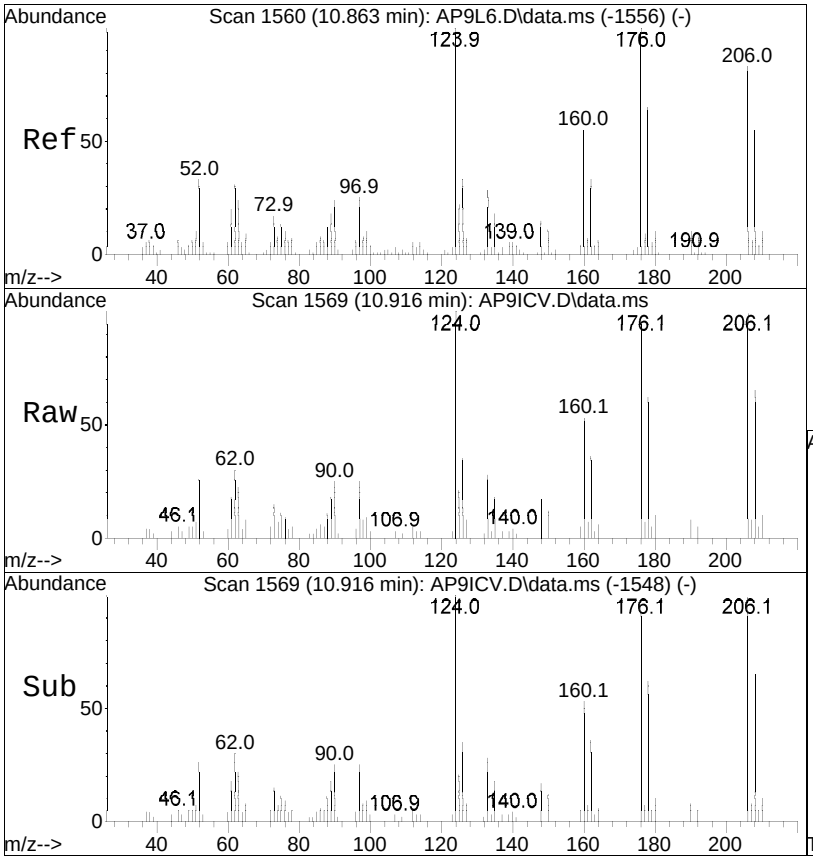


#62
Biphenyl
Concen: 4.39 ug/ml
RT: 9.227 min Scan# 1282
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:154 Resp: 69073

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	29.7	22.5	33.7

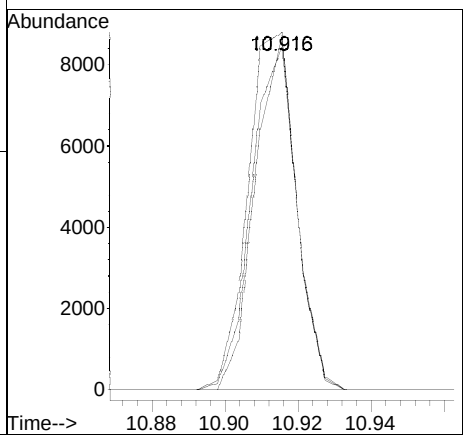


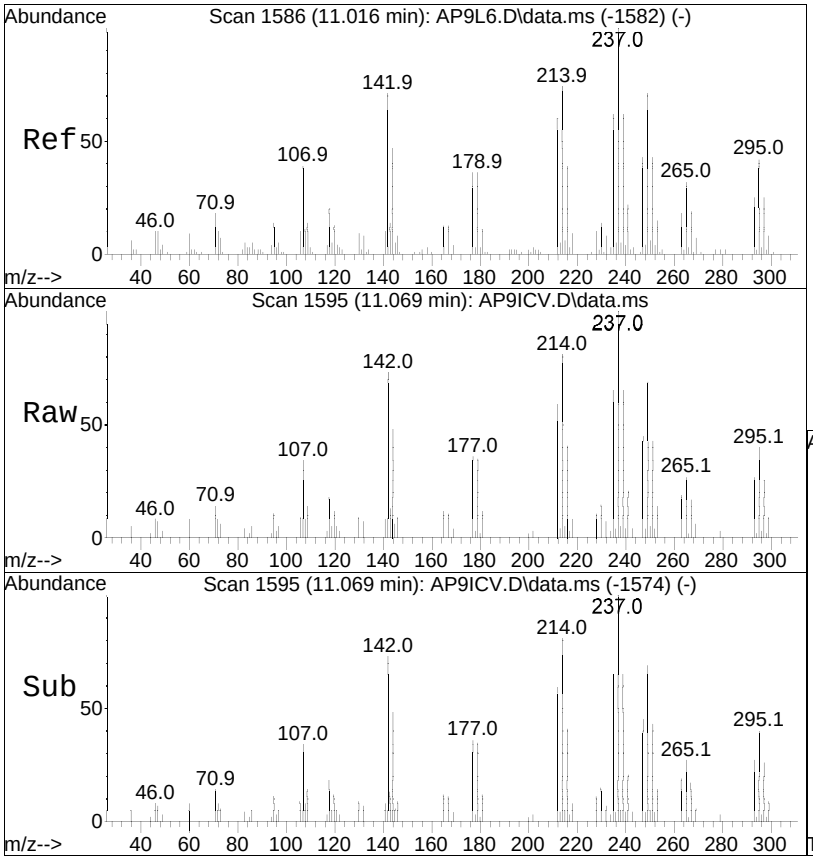


#84
Dichloran
Concen: 3.92 ug/ml
RT: 10.916 min Scan# 1569
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:206 Resp: 6837

Ion	Ratio	Lower	Upper
206	100		
176	105.9	104.6	157.0
124	117.4	130.5	195.7#

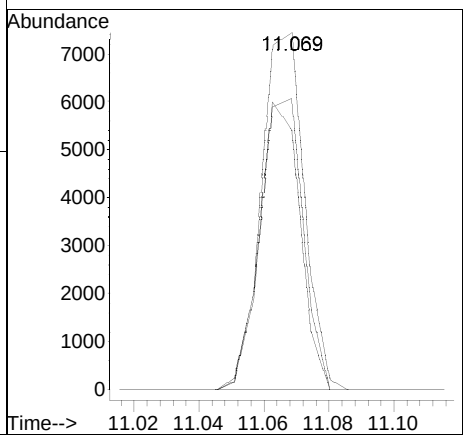


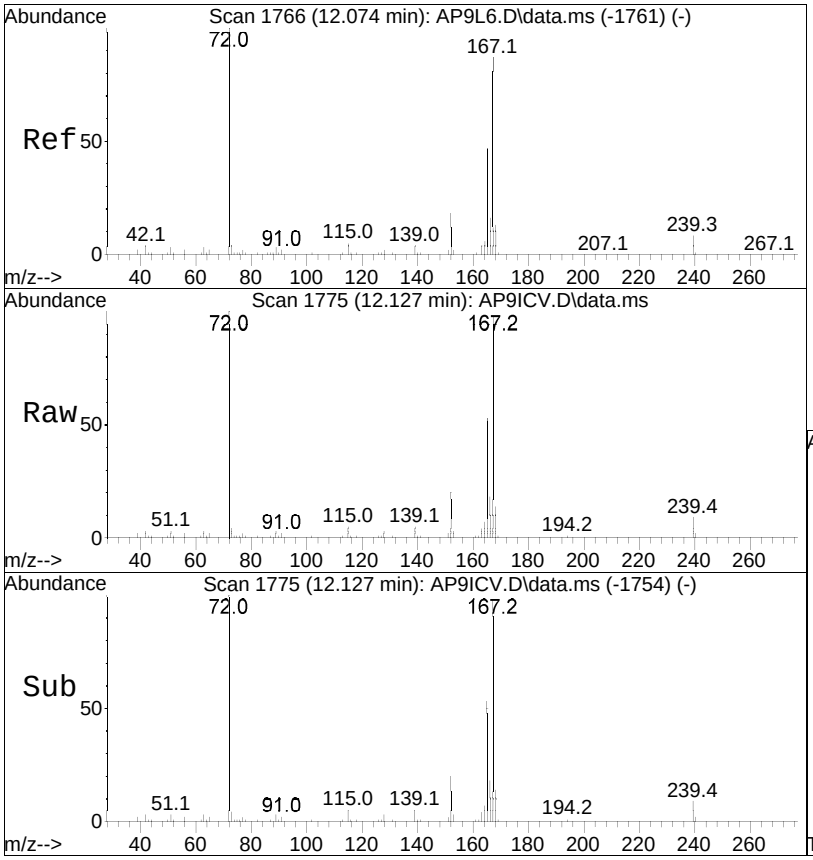


#85
Pentachloronitrobenzene
Concen: 4.08 ug/ml
RT: 11.069 min Scan# 1595
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:237 Resp: 6841

Ion	Ratio	Lower	Upper
237	100		
142	76.7	77.0	115.4#
214	80.9	58.2	87.4

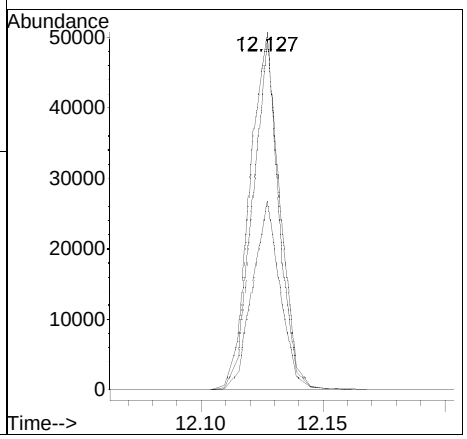




#99
Diphenamid
Concen: 4.34 ug/ml
RT: 12.127 min Scan# 1775
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 31 Jul 2024 3:29 am

Tgt Ion:167 Resp: 38499

Ion	Ratio	Lower	Upper
167	100		
72	106.6	109.7	164.5#
165	55.0	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: AP9ICV.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 3:29 am	Instrument	: SV107
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 8/2/2024 8:00 am

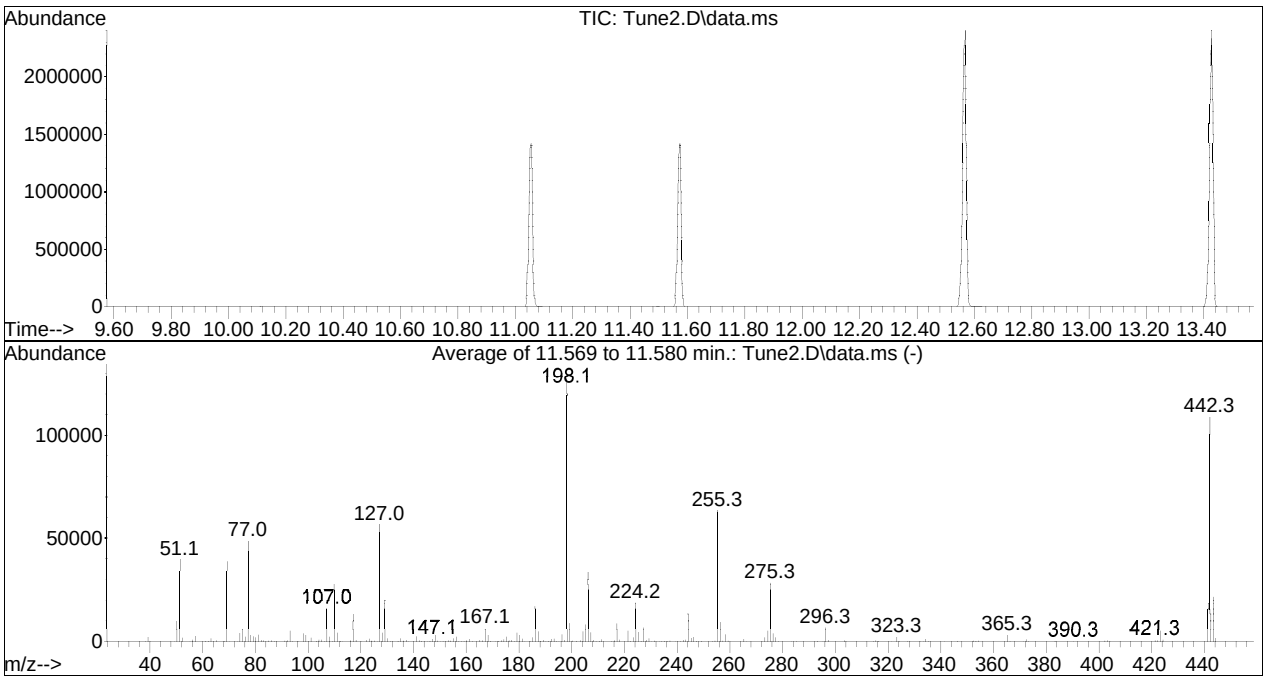
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV107\240730ical\
Data File : Tune2.D
Acq On : 31 Jul 2024 3:54 am
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024



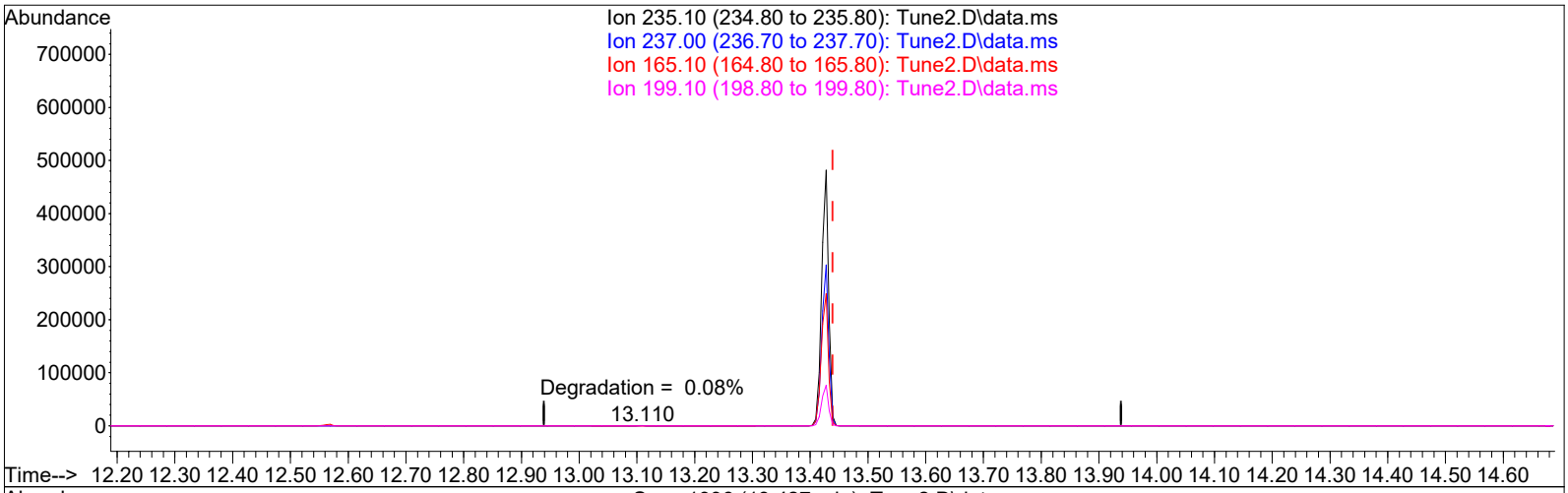
Spectrum Information: Average of 11.569 to 11.580 min.

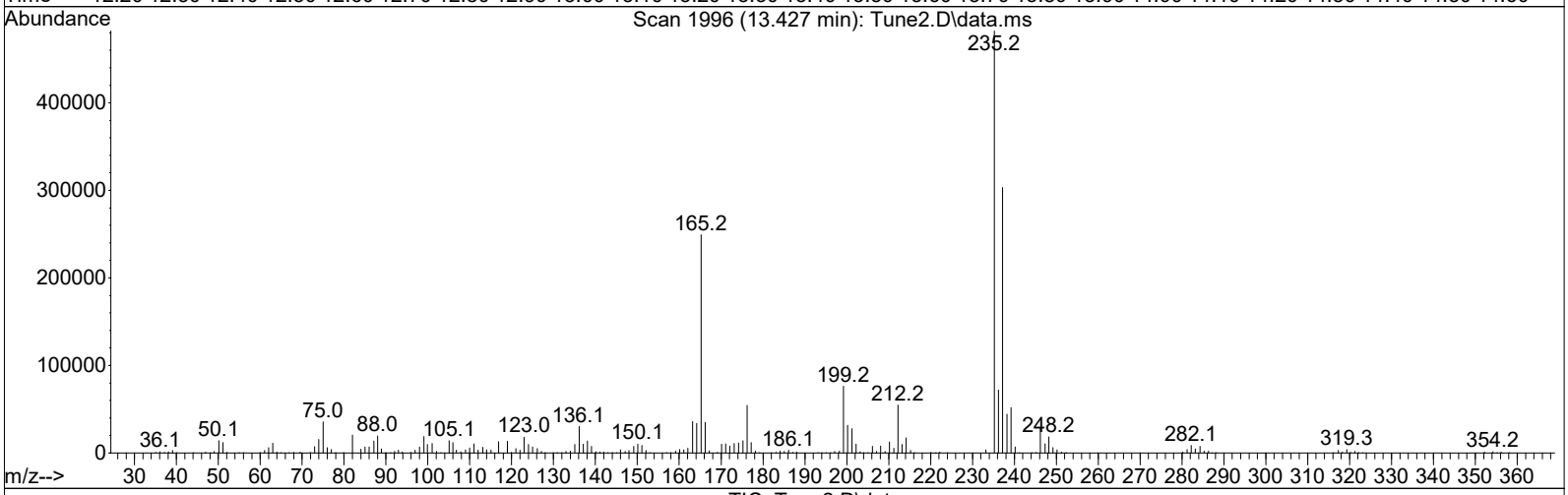
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.9	39587	PASS
68	69	0.00	2	1.4	526	PASS
69	69	100	100	100.0	38555	PASS
70	69	0.00	2	0.5	187	PASS
127	198	10	80	44.1	56445	PASS
197	198	0.00	2	0.7	932	PASS
198	198	100	100	100.0	127965	PASS
199	198	5	9	6.8	8714	PASS
275	198	10	60	22.0	28209	PASS
365	198	1	100	2.5	3141	PASS
441	442	0.01	24	17.0	18461	PASS
442	198	50	100	85.0	108795	PASS
443	442	15	24	19.9	21692	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune2.D
Acq On : 31 Jul 2024 3:54 am
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:20:09 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(6) DDT (T)

13.427min (-0.012) 66.93

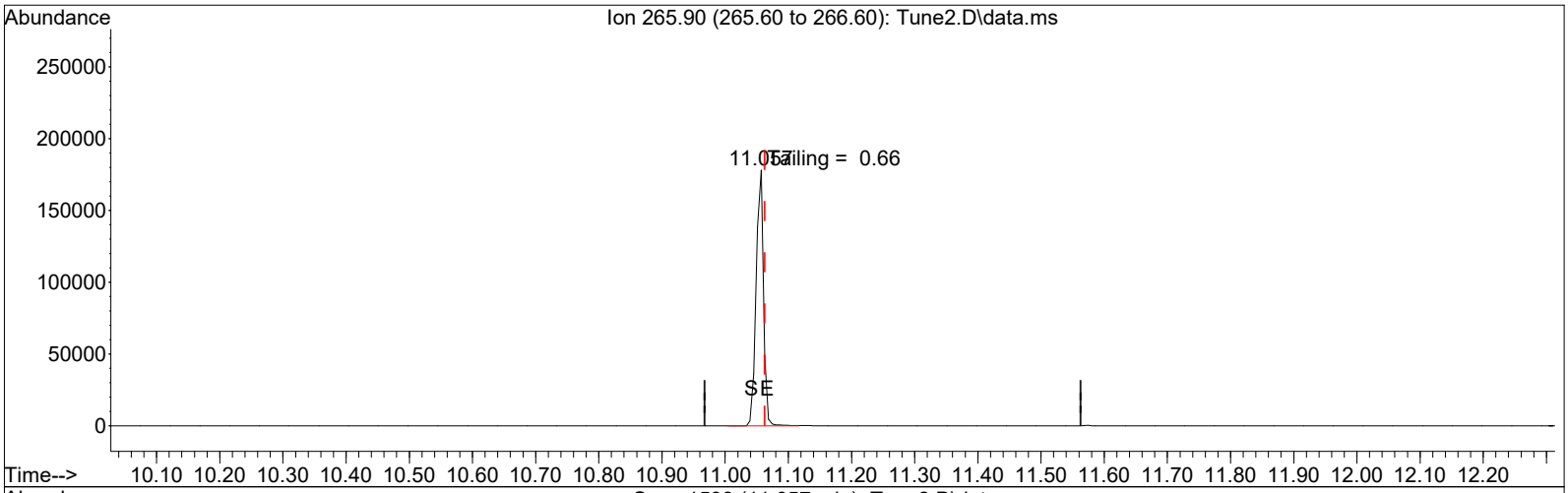
response 407963

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.41
165.10	55.40	52.11
199.10	16.20	15.74

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune2.D
Acq On : 31 Jul 2024 3:54 am
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:20:09 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration



TIC: Tune2.D\data.ms

(1) Pentachlorophenol (T)

11.057min (-0.006) 69.47

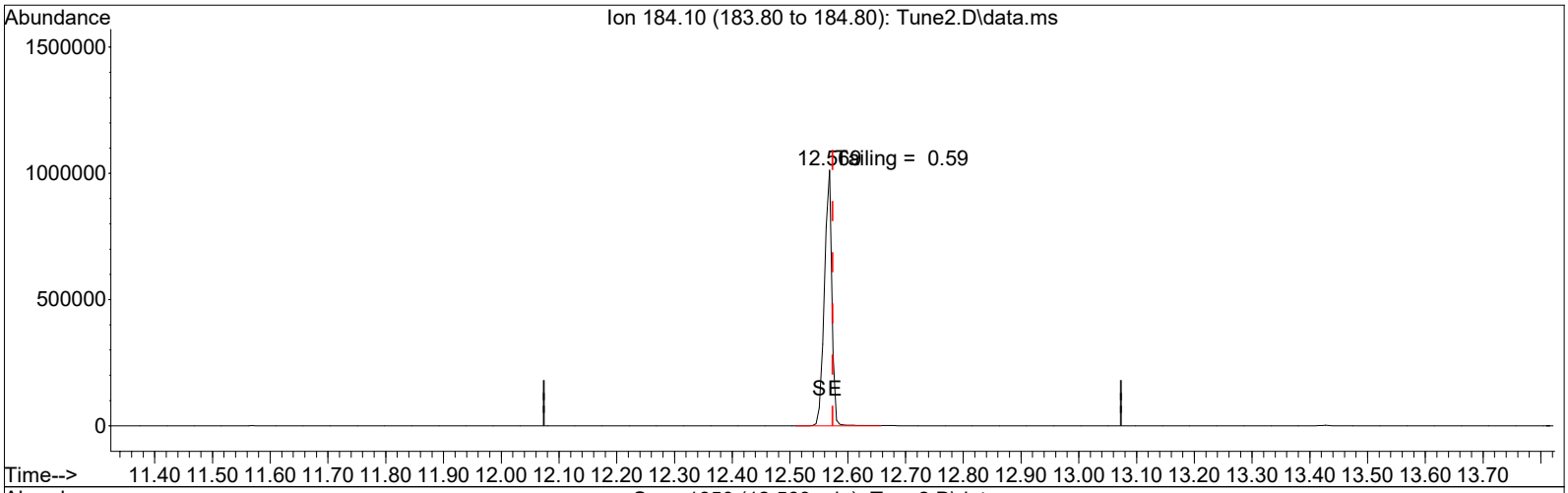
response 145915

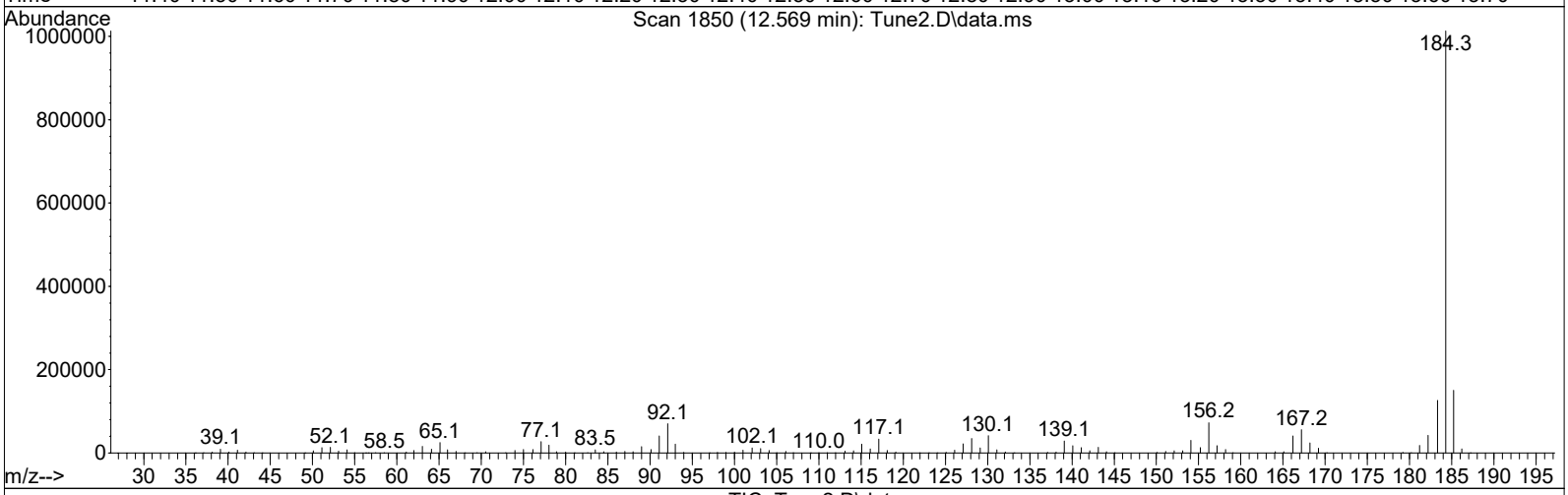
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240730ical\
Data File : Tune2.D
Acq On : 31 Jul 2024 3:54 am
Operator : SV107:cmm
Sample : Tune lot #10903
Misc : WG1954578,,
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 02 08:20:09 2024
Quant Method : I:\8270\SV107\240730ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 08:19:44 2024
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(3) Benzidine (T)

12.569min (-0.005) 87.79

response 893755

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL9.D
Acq On : 31 Jul 2024 4:19 am
Operator : SV107:cmm
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1954578,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 02 09:02:51 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.610	152	14976	4.000	ug/ml	0.00
	Standard Area 1 = 17818			Recovery =	84.05%		
86)	IS3_Acenaphthene-d10	9.781	164	32663	4.000	ug/ml	0.00
	Standard Area 1 = 37262			Recovery =	87.66%		
100)	IS3_Phenanthrene-d10	11.222	188	69255	4.000	ug/ml	0.00
	Standard Area 1 = 75179			Recovery =	92.12%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.052	88	83466	48.527	ug/ml#	80
34)	n-Decane	6.498	57	282541	54.351	ug/ml#	54
87)	Atrazine	10.992	200	184179	71.691	ug/ml	95
101)	n-Octadecane	11.192	57	408031	61.804	ug/ml#	1
102)	Parathion	12.010	109	116269	49.761	ug/ml	97
103)	3,3'-Dimethylbenzidine	13.316	212	801775	53.025	ug/ml	98

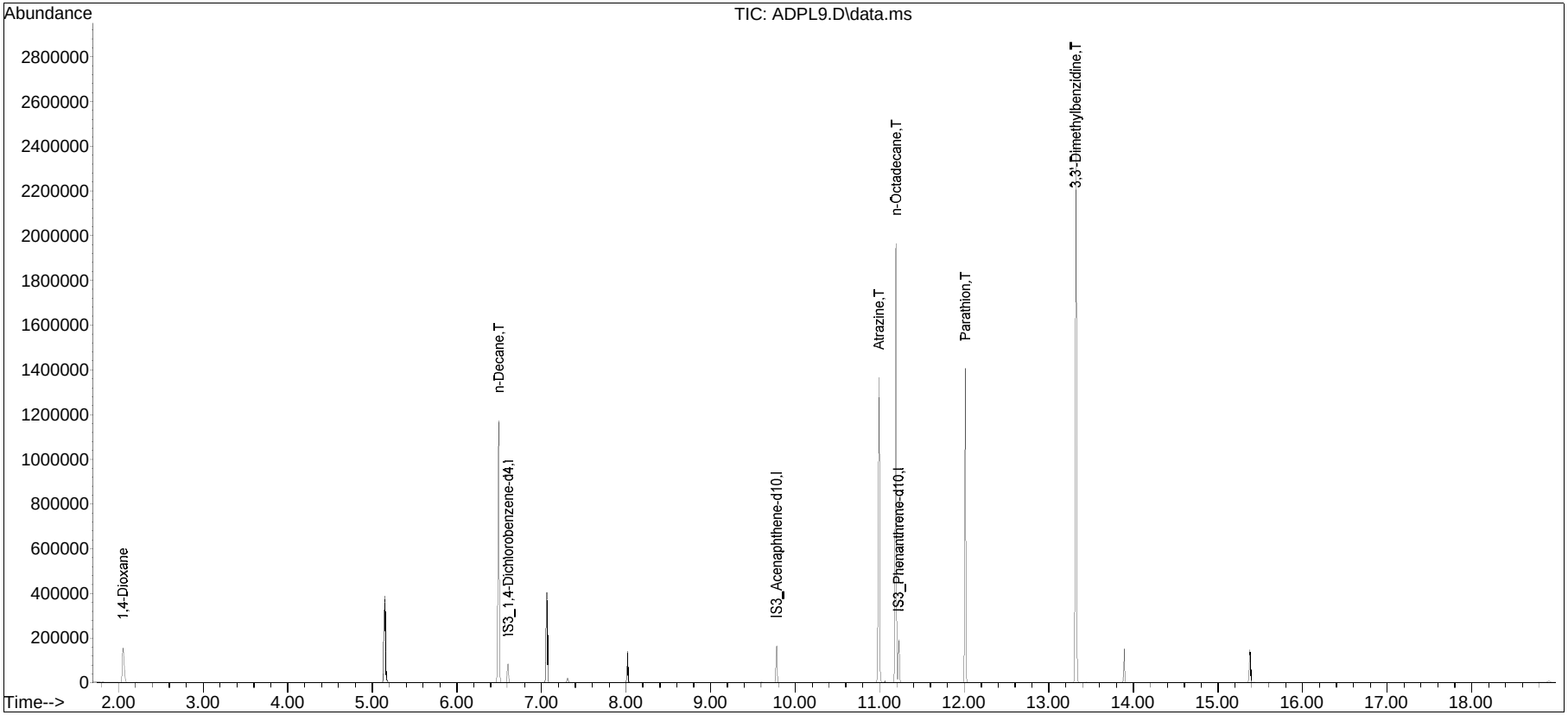
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL9.D
Acq On : 31 Jul 2024 4:19 am
Operator : SV107:cmm
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1954578,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 02 09:02:51 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL9.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 4:19 am	Instrument	: SV107
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 8/2/2024 9:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL8.D
Acq On : 31 Jul 2024 4:45 am
Operator : SV107:cmm
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1954578,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 02 09:02:42 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.610	152	16238	4.000	ug/ml	0.00
Standard Area 1 = 17818			Recovery =	91.13%		
86) IS3_Acenaphthene-d10	9.780	164	32558	4.000	ug/ml	0.00
Standard Area 1 = 37262			Recovery =	87.38%		
100) IS3_Phenanthrene-d10	11.222	188	66817	4.000	ug/ml	# 0.00
Standard Area 1 = 75179			Recovery =	88.88%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.046	88	43666	23.414	ug/ml#	82
34) n-Decane	6.492	57	142280	25.243	ug/ml#	52
87) Atrazine	10.986	200	78499	30.654	ug/ml	96
101) n-Octadecane	11.186	57	181508	28.496	ug/ml#	1
102) Parathion	12.010	109	45554	25.662	ug/ml	96
103) 3,3'-Dimethylbenzidine	13.316	212	334112	23.430	ug/ml	98

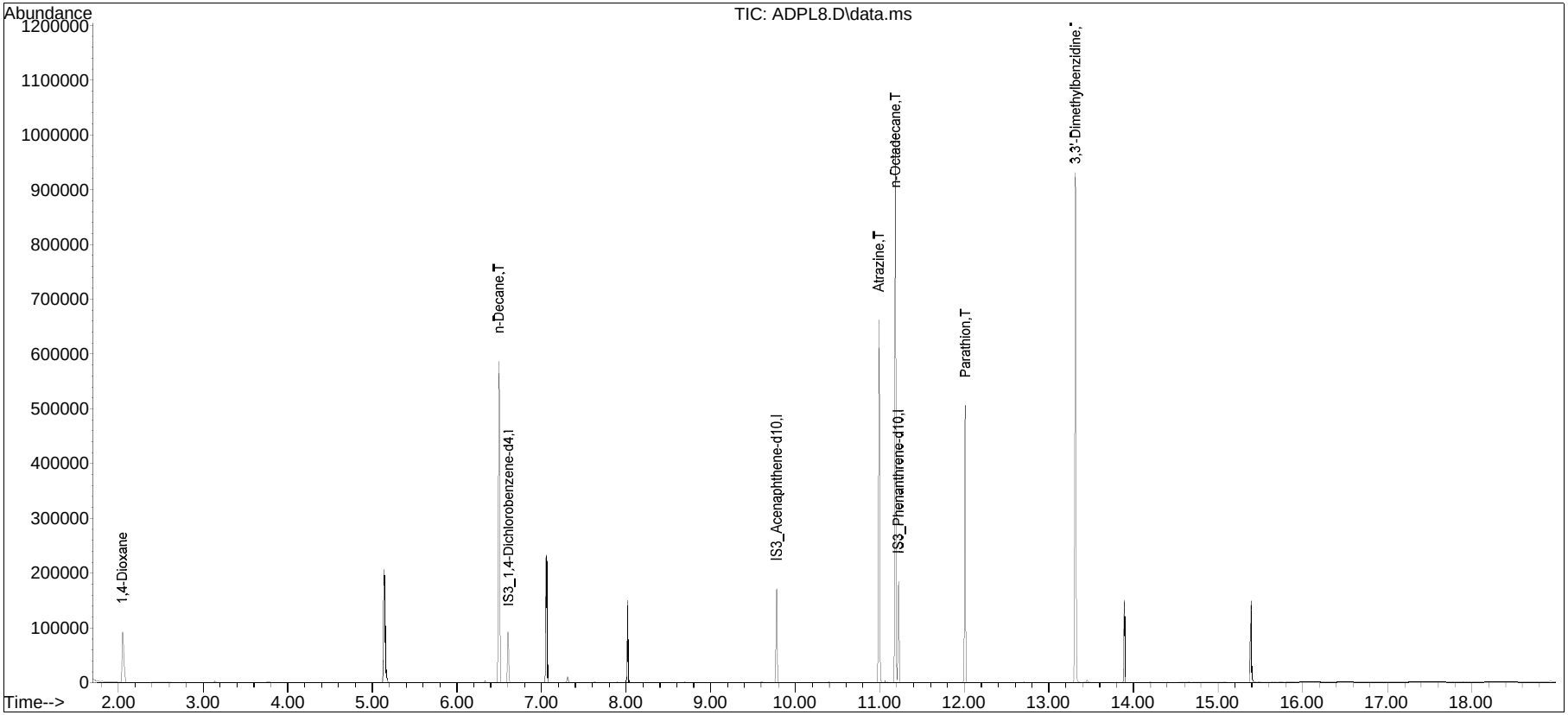
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL8.D
Acq On : 31 Jul 2024 4:45 am
Operator : SV107:cmm
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1954578,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 02 09:02:42 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



FS240730SV107RVT.m Fri Aug 02 09:04:52 2024 Page: 2

Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL8.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 4:45 am	Instrument	: SV107
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL7.D
Acq On : 31 Jul 2024 5:10 am
Operator : SV107:cmm
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1954578,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 02 09:02:33 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.610	152	15789	4.000	ug/ml	0.00
	Standard Area 1 = 17818			Recovery =	88.61%		
86)	IS3_Acenaphthene-d10	9.781	164	33444	4.000	ug/ml	0.00
	Standard Area 1 = 37262			Recovery =	89.75%		
100)	IS3_Phenanthrene-d10	11.222	188	68855	4.000	ug/ml	0.00
	Standard Area 1 = 75179			Recovery =	91.59%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.052	88	18456	10.178	ug/ml#	80
34)	n-Decane	6.492	57	56248	10.263	ug/ml#	53
87)	Atrazine	10.986	200	30891	11.743	ug/ml	96
101)	n-Octadecane	11.186	57	72629	11.065	ug/ml#	1
102)	Parathion	12.004	109	15668	10.449	ug/ml	99
103)	3,3'-Dimethylbenzidine	13.310	212	130313	9.445	ug/ml	98

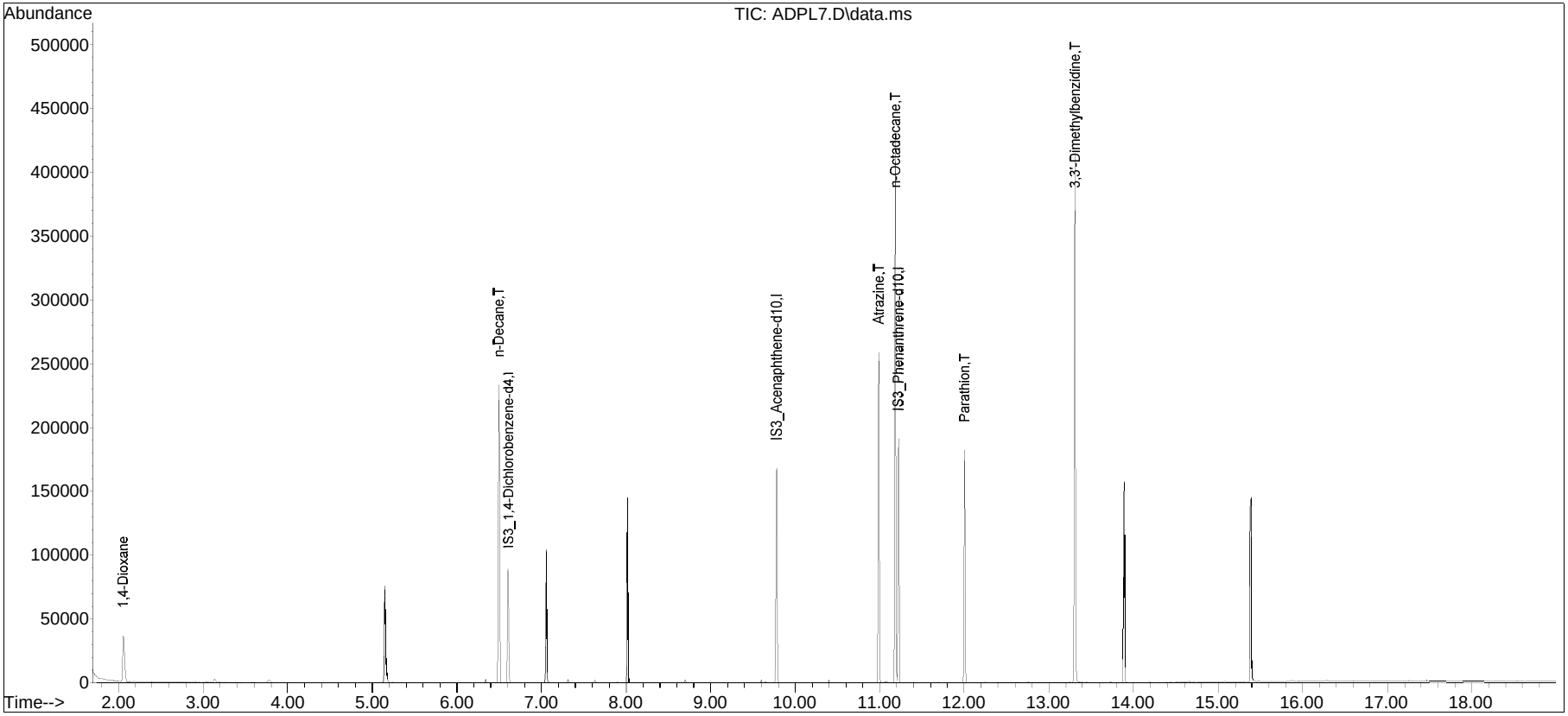
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL7.D
Acq On : 31 Jul 2024 5:10 am
Operator : SV107:cmm
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1954578,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 02 09:02:33 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL7.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 5:10 am	Instrument	: SV107
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL6.D
Acq On : 31 Jul 2024 5:35 am
Operator : SV107:cmm
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1954578,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 02 09:02:24 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.610	152	17818	4.000	ug/ml	0.00
Standard Area 1 = 17818			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.780	164	37262	4.000	ug/ml	0.00
Standard Area 1 = 37262			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.222	188	75179	4.000	ug/ml #	0.00
Standard Area 1 = 75179			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.069	88	8930	4.364	ug/ml#	81
34) n-Decane	6.492	57	28128	4.548	ug/ml#	52
87) Atrazine	10.980	200	14656	5.001	ug/ml	94
101) n-Octadecane	11.186	57	35197	4.911	ug/ml#	1
102) Parathion	12.004	109	6199	4.301	ug/ml	97
103) 3,3'-Dimethylbenzidine	13.310	212	50809	3.970	ug/ml	98

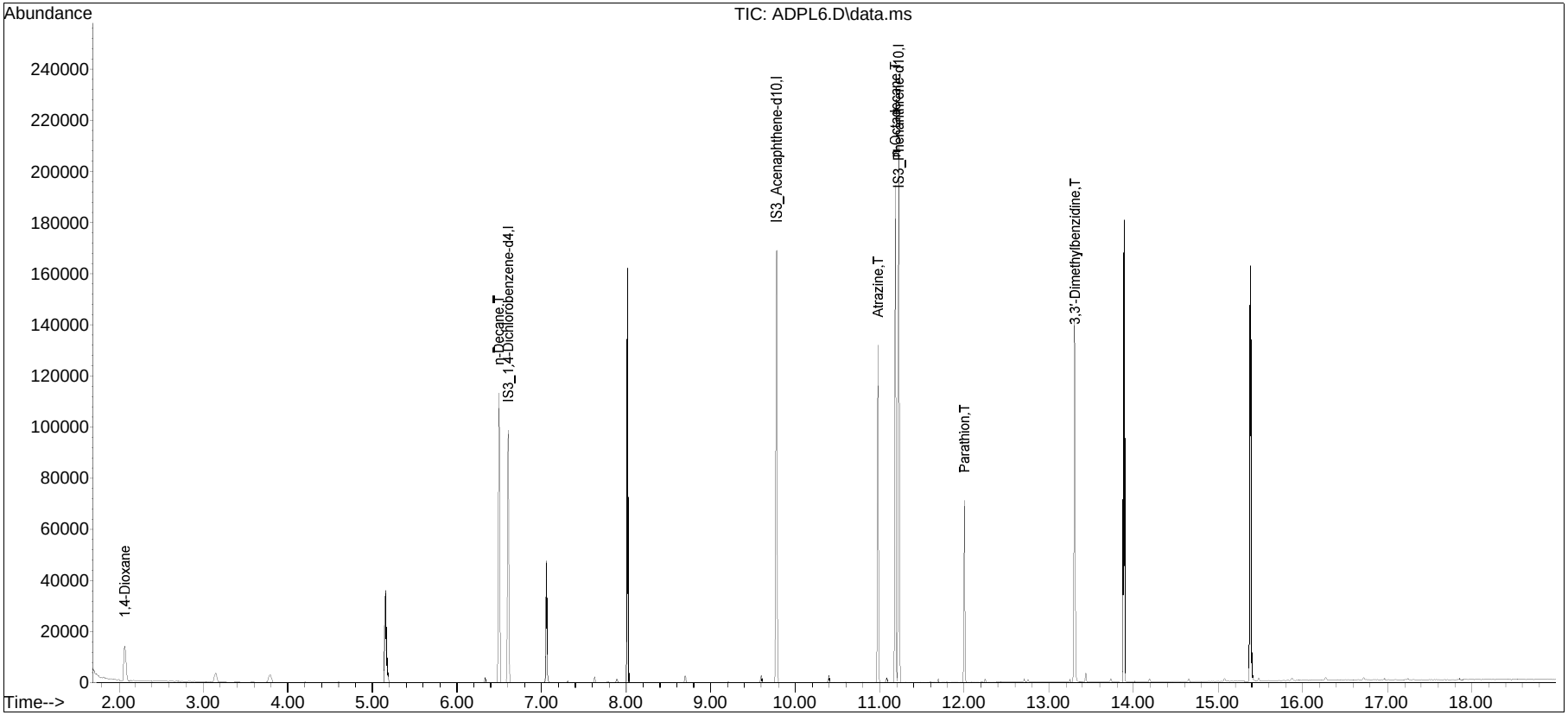
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL6.D
Acq On : 31 Jul 2024 5:35 am
Operator : SV107:cmm
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1954578,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 02 09:02:24 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL6.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 5:35 am	Instrument	: SV107
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL5.D
Acq On : 31 Jul 2024 6:01 am
Operator : SV107:cmm
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1954578,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 02 09:02:14 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.604	152	18057	4.000	ug/ml	0.00
Standard Area 1 = 17818			Recovery =	101.34%		
86) IS3_Acenaphthene-d10	9.780	164	36504	4.000	ug/ml	0.00
Standard Area 1 = 37262			Recovery =	97.97%		
100) IS3_Phenanthrene-d10	11.221	188	74555	4.000	ug/ml	0.00
Standard Area 1 = 75179			Recovery =	99.17%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.051	88	4937	2.381	ug/ml#	82
34) n-Decane	6.492	57	15485	2.471	ug/ml#	52
87) Atrazine	10.980	200	6996	2.437	ug/ml	94
101) n-Octadecane	11.186	57	17942	2.524	ug/ml#	1
102) Parathion	12.004	109	2608	2.055	ug/ml	94
103) 3,3'-Dimethylbenzidine	13.310	212	22376	2.279	ug/ml	99

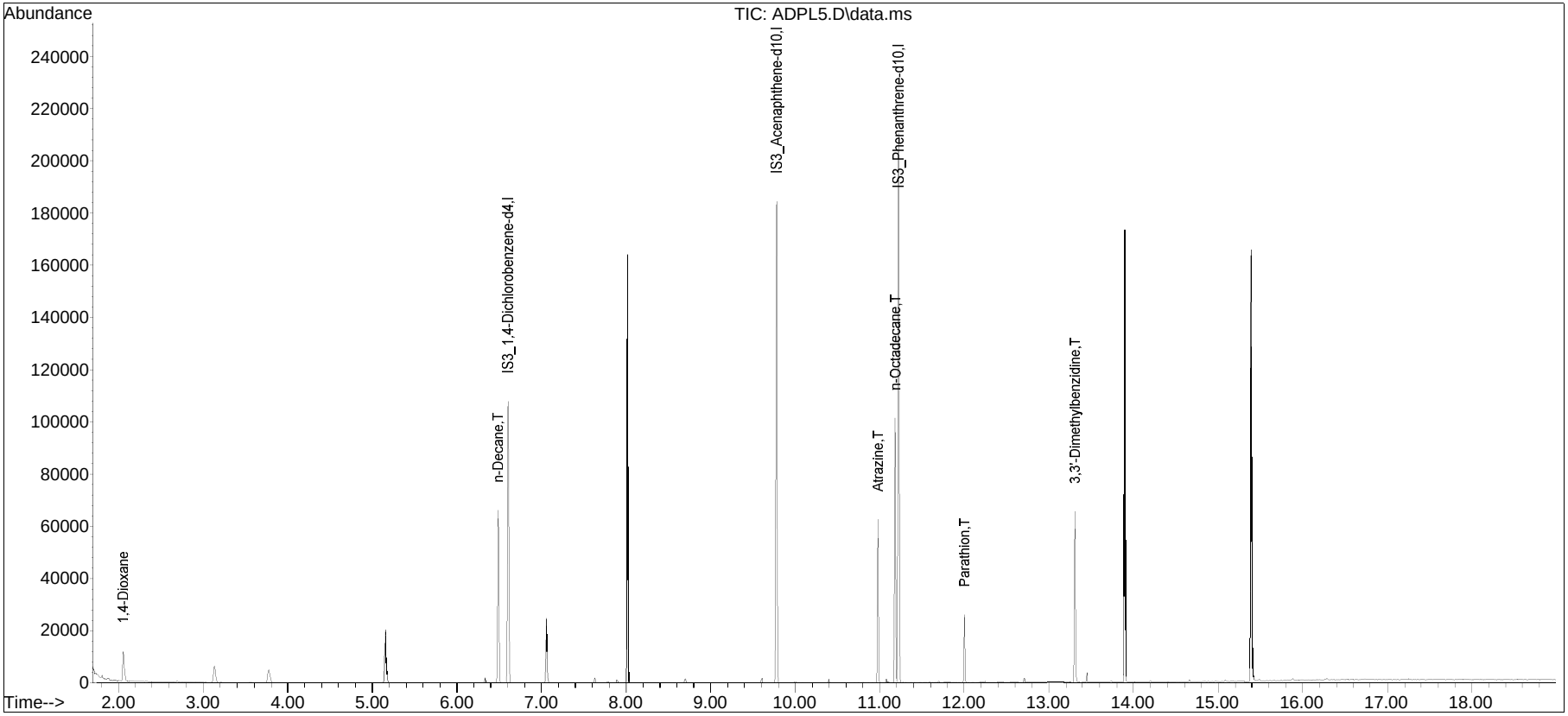
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL5.D
Acq On : 31 Jul 2024 6:01 am
Operator : SV107:cmm
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1954578,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 02 09:02:14 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL5.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 6:01 am	Instrument	: SV107
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL4.D
Acq On : 31 Jul 2024 6:26 am
Operator : SV107:cmm
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1954578,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 02 09:02:04 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.604	152	15036	4.000	ug/ml	0.00
	Standard Area 1 = 17818			Recovery =	84.39%		
86)	IS3_Acenaphthene-d10	9.781	164	31128	4.000	ug/ml	0.00
	Standard Area 1 = 37262			Recovery =	83.54%		
100)	IS3_Phenanthrene-d10	11.222	188	59889	4.000	ug/ml	0.00
	Standard Area 1 = 75179			Recovery =	79.66%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.052	88	1960	1.135	ug/ml#	87
34)	n-Decane	6.493	57	5545	1.062	ug/ml#	52
87)	Atrazine	10.980	200	2280	0.931	ug/ml	89
101)	n-Octadecane	11.186	57	5662	0.992	ug/ml#	1
102)	Parathion	12.004	109	787	0.972	ug/ml#	77
103)	3,3'-Dimethylbenzidine	13.304	212	5645	1.352	ug/ml	100

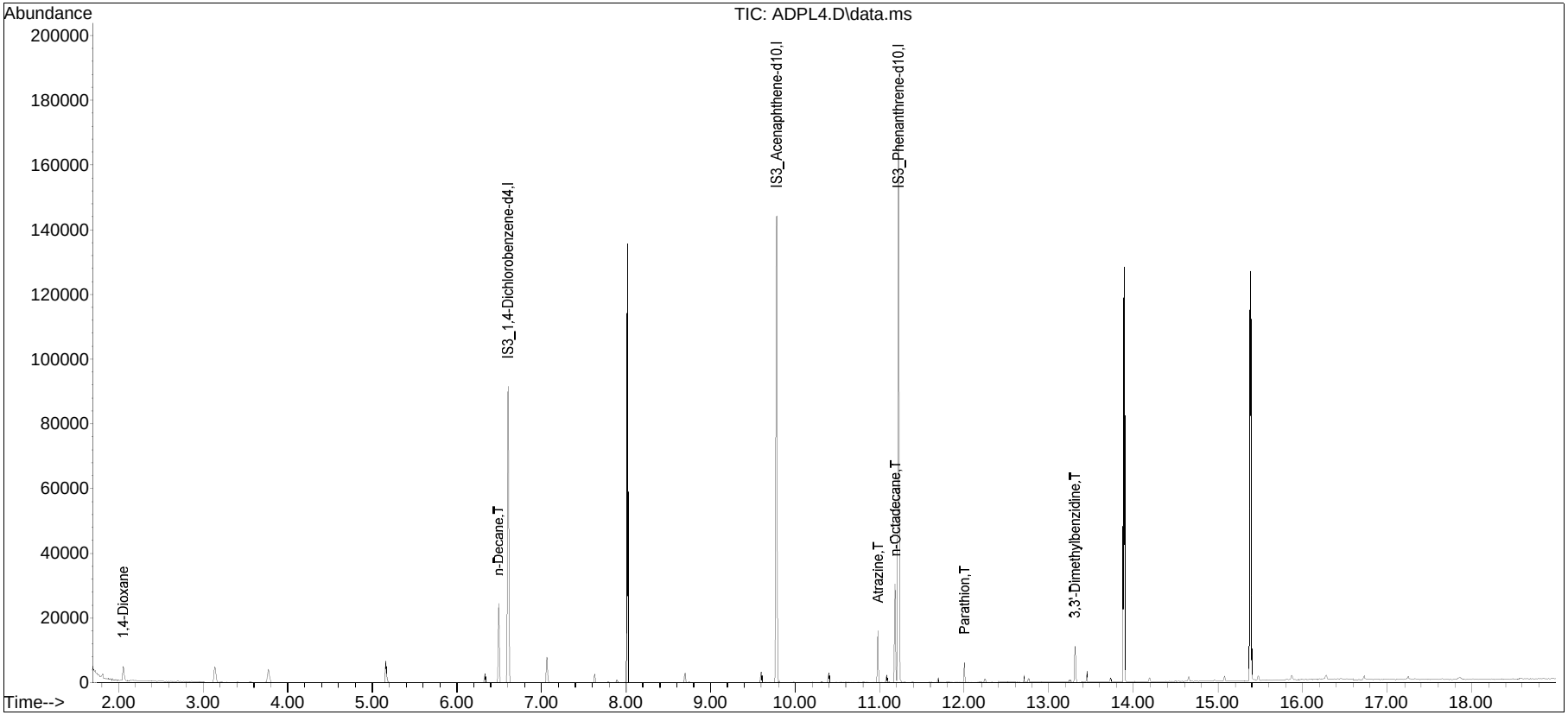
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL4.D
Acq On : 31 Jul 2024 6:26 am
Operator : SV107:cmm
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1954578,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 02 09:02:04 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL4.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 6:26 am	Instrument	: SV107
Sample	: IL7,32,,ADPL1 Lot# 10801	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL3.D
Acq On : 31 Jul 2024 6:52 am
Operator : SV107:cmm
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1954578,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 02 09:01:54 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.610	152	17230	4.000	ug/ml		0.00
Standard Area 1 = 17818			Recovery =	96.70%			
86) IS3_Acenaphthene-d10	9.780	164	37558	4.000	ug/ml		0.00
Standard Area 1 = 37262			Recovery =	100.79%			
100) IS3_Phenanthrene-d10	11.222	188	76707	4.000	ug/ml	#	0.00
Standard Area 1 = 75179			Recovery =	102.03%			
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	2.069	88	1048	0.530	ug/ml	#	77
34) n-Decane	6.492	57	2975	0.497	ug/ml	#	50
87) Atrazine	10.980	200	1331	0.451	ug/ml	#	72
101) n-Octadecane	11.186	57	3510	0.480	ug/ml	#	1
102) Parathion	12.004	109	505	0.640	ug/ml	#	80
103) 3,3'-Dimethylbenzidine	13.304	212	3321	1.123	ug/ml		99

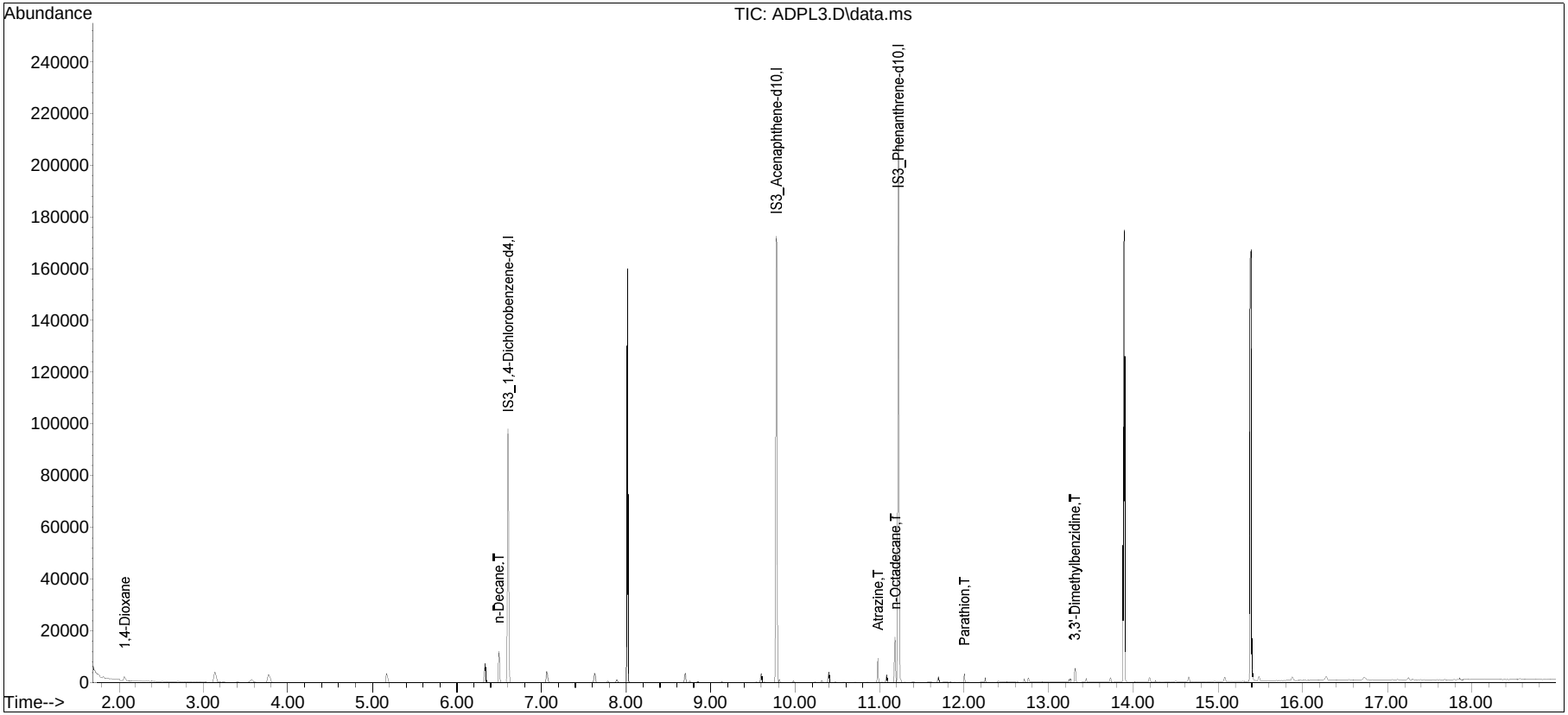
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL3.D
Acq On : 31 Jul 2024 6:52 am
Operator : SV107:cmm
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1954578,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 02 09:01:54 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL3.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 6:52 am	Instrument	: SV107
Sample	: IL8,32,,ADPL0.5 Lot# 10802	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL2.D
Acq On : 31 Jul 2024 7:17 am
Operator : SV107:cmm
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1954578,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 02 09:01:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.604	152	19461	4.000	ug/ml	0.00
	Standard Area 1 = 17818			Recovery =	109.22%		
86)	IS3_Acenaphthene-d10	9.780	164	41883	4.000	ug/ml	0.00
	Standard Area 1 = 37262			Recovery =	112.40%		
100)	IS3_Phenanthrene-d10	11.222	188	82235	4.000	ug/ml	0.00
	Standard Area 1 = 75179			Recovery =	109.39%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	2.057	88	472	0.211	ug/ml#	31
34)	n-Decane	6.492	57	1327	0.196	ug/ml#	56
87)	Atrazine	10.980	200	522	0.158	ug/ml#	33
101)	n-Octadecane	11.186	57	1293	0.165	ug/ml#	1
102)	Parathion	0.000		0	N.D.	d	
103)	3,3'-Dimethylbenzidine	13.310	212	1131	0.990	ug/ml#	62

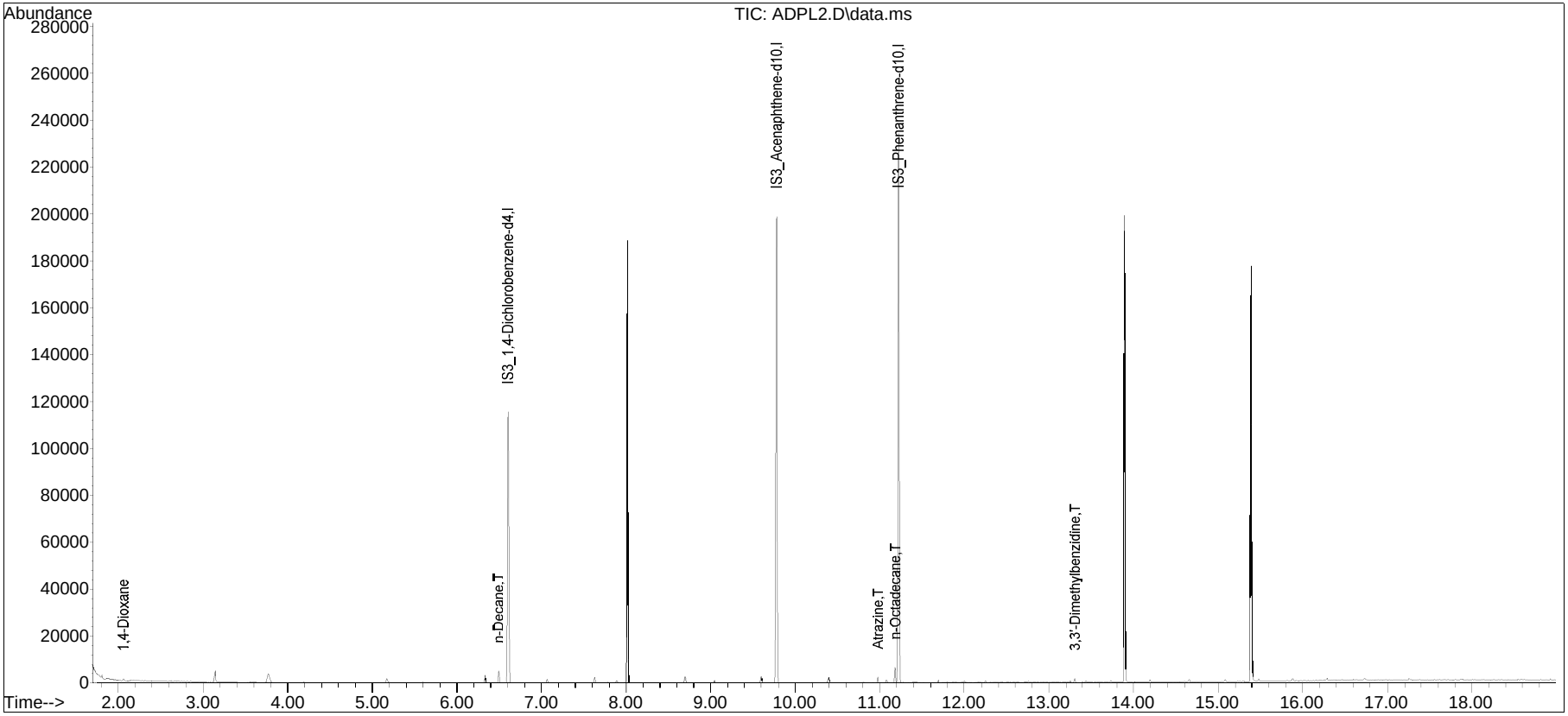
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL2.D
Acq On : 31 Jul 2024 7:17 am
Operator : SV107:cmm
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1954578,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 02 09:01:45 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPL2.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 7:17 am	Instrument	: SV107
Sample	: IL9,32,,ADPL0.2 Lot# 10803	Quant Date	: 8/2/2024 9:03 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL1.D
Acq On : 31 Jul 2024 7:43 am
Operator : SV107:cmm
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1954578,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 09:01:35 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

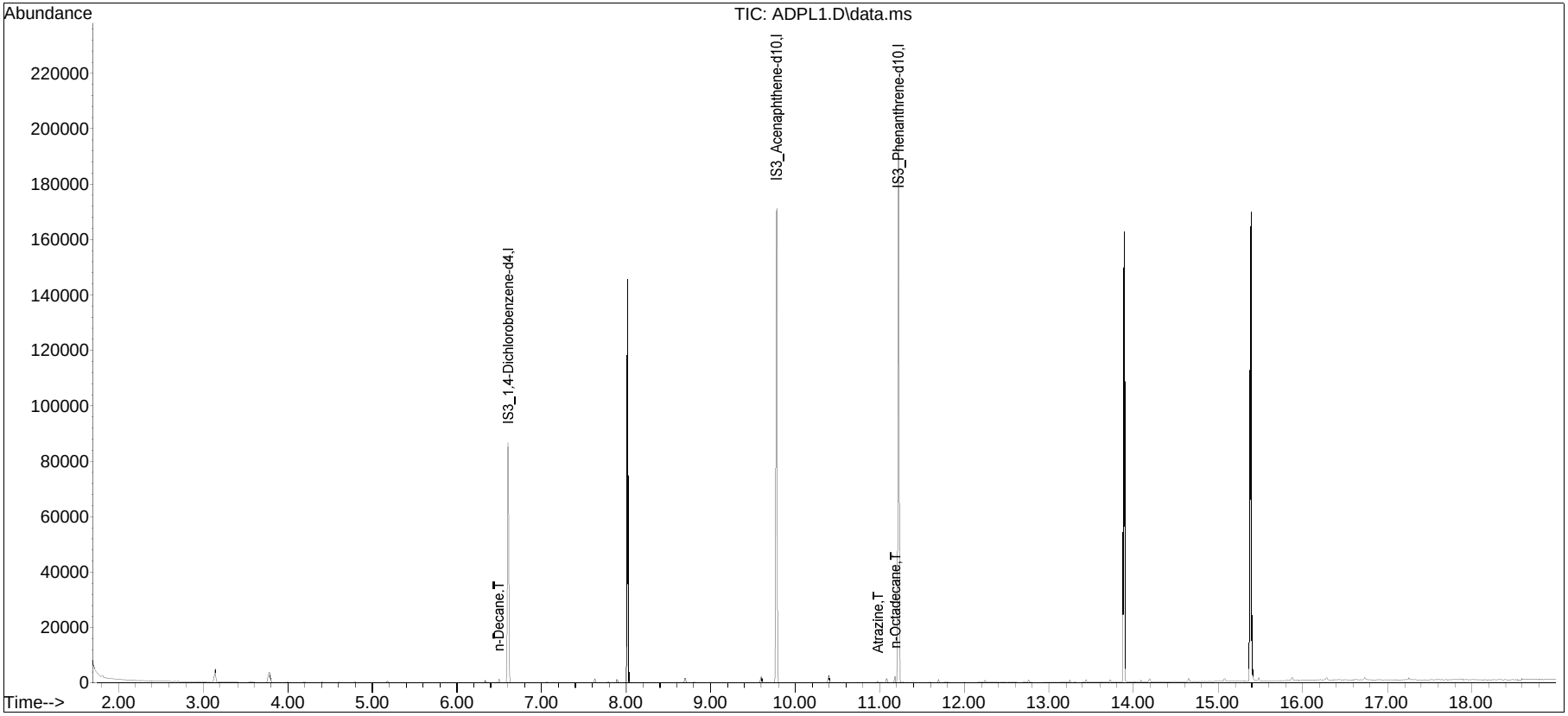
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.610	152	15942	4.000	ug/ml	0.00
	Standard Area 1 = 17818			Recovery = 89.47%			
86)	IS3_Acenaphthene-d10	9.780	164	34890	4.000	ug/ml	0.00
	Standard Area 1 = 37262			Recovery = 93.63%			
100)	IS3_Phenanthrene-d10	11.221	188	70148	4.000	ug/ml	0.00
	Standard Area 1 = 75179			Recovery = 93.31%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	0.000		0	N.D.		
34)	n-Decane	6.492	57	520	0.094	ug/ml#	65
87)	Atrazine	10.980	200	239M2	0.087	ug/ml	
101)	n-Octadecane	11.186	57	501	0.075	ug/ml#	71
102)	Parathion	0.000		0	N.D.		
103)	3,3'-Dimethylbenzidine	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV107\240730ical\
Data File : ADPL1.D
Acq On : 31 Jul 2024 7:43 am
Operator : SV107:cmm
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1954578,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 02 09:01:35 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

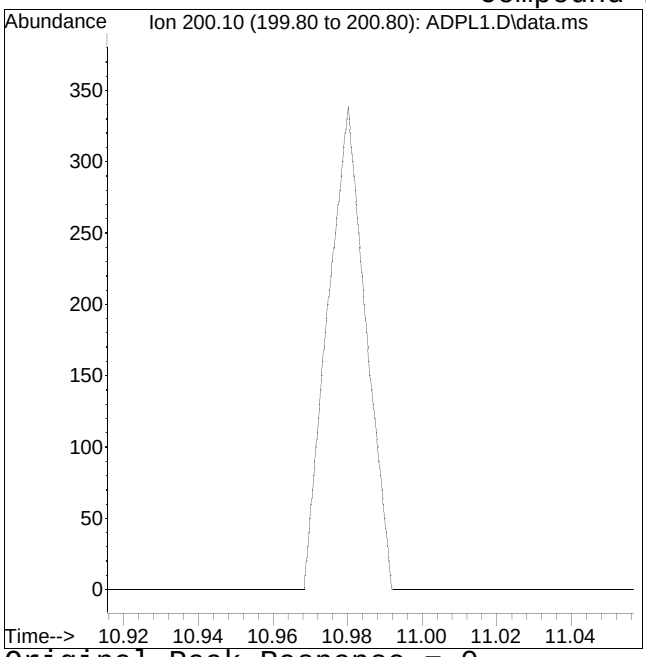
Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



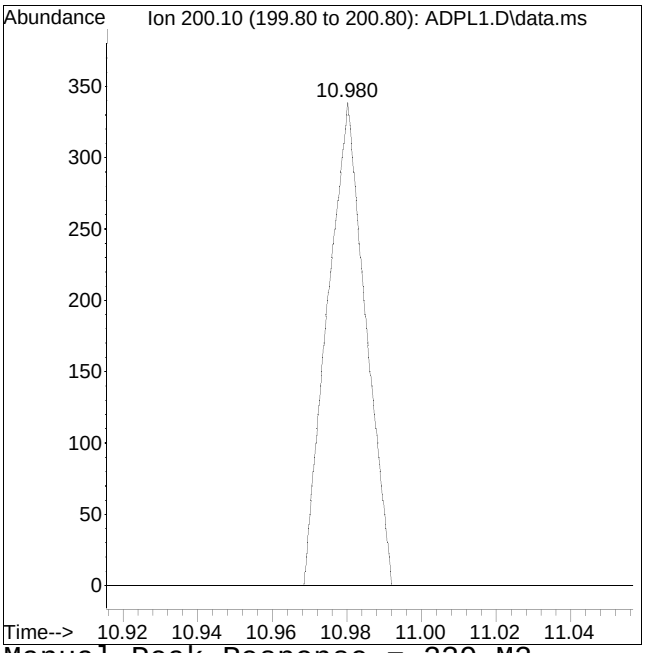
Manual Integration Report

Data Path : I:\8270\SV107\240730ical\ QMethod : FS240730SV107RVT.m
Data File : ADPL1.D Operator : SV107:cmm
Date Inj'd : 7/31/2024 7:43 am Instrument : SV107
Sample : IL10,32,,ADPL0.1 Lot# 1080 Quant Date : 8/2/2024 9:02 am

Compound #87: Atrazine



Original Peak Response = 0



Manual Peak Response = 239 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240730ical\
Data File : ADPICV.D
Acq On : 31 Jul 2024 8:08 am
Operator : SV107:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1954578,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 02 07:59:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	75	0.00
33		1,4-Dioxane		0.459	0.441	3.9	82	-0.01
34	T	n-Decane		1.388	1.370	1.3	81	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	79	0.00
87	T	Atrazine		0.315	0.303	3.8	76	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	86	0.00
101	T	n-Octadecane		0.381	0.390	-2.4	90	0.00
102	T	Parathion	*	5.000	3.843	23.1#	76	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.537	29.3#	74	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPICV.D
Acq On : 31 Jul 2024 8:08 am
Operator : SV107:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1954578,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 02 07:59:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\240730ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.604	152	13335	4.000	ug/ml		0.00
Standard Area 1 = 17818			Recovery = 74.84%				
86) IS3_Acenaphthene-d10	9.780	164	29584	4.000	ug/ml		0.00
Standard Area 1 = 37262			Recovery = 79.39%				
100) IS3_Phenanthrene-d10	11.221	188	64693	4.000	ug/ml	#	0.00
Standard Area 1 = 75179			Recovery = 86.05%				
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	2.057	88	7358	4.804	ug/ml	#	82
34) n-Decane	6.492	57	22829	4.932	ug/ml	#	52
87) Atrazine	10.980	200	11210	4.818	ug/ml		95
101) n-Octadecane	11.186	57	31573	5.120	ug/ml	#	1
102) Parathion	12.004	109	4692	3.843	ug/ml		95
103) 3,3'-Dimethylbenzidine	13.310	212	37505	3.537	ug/ml		97

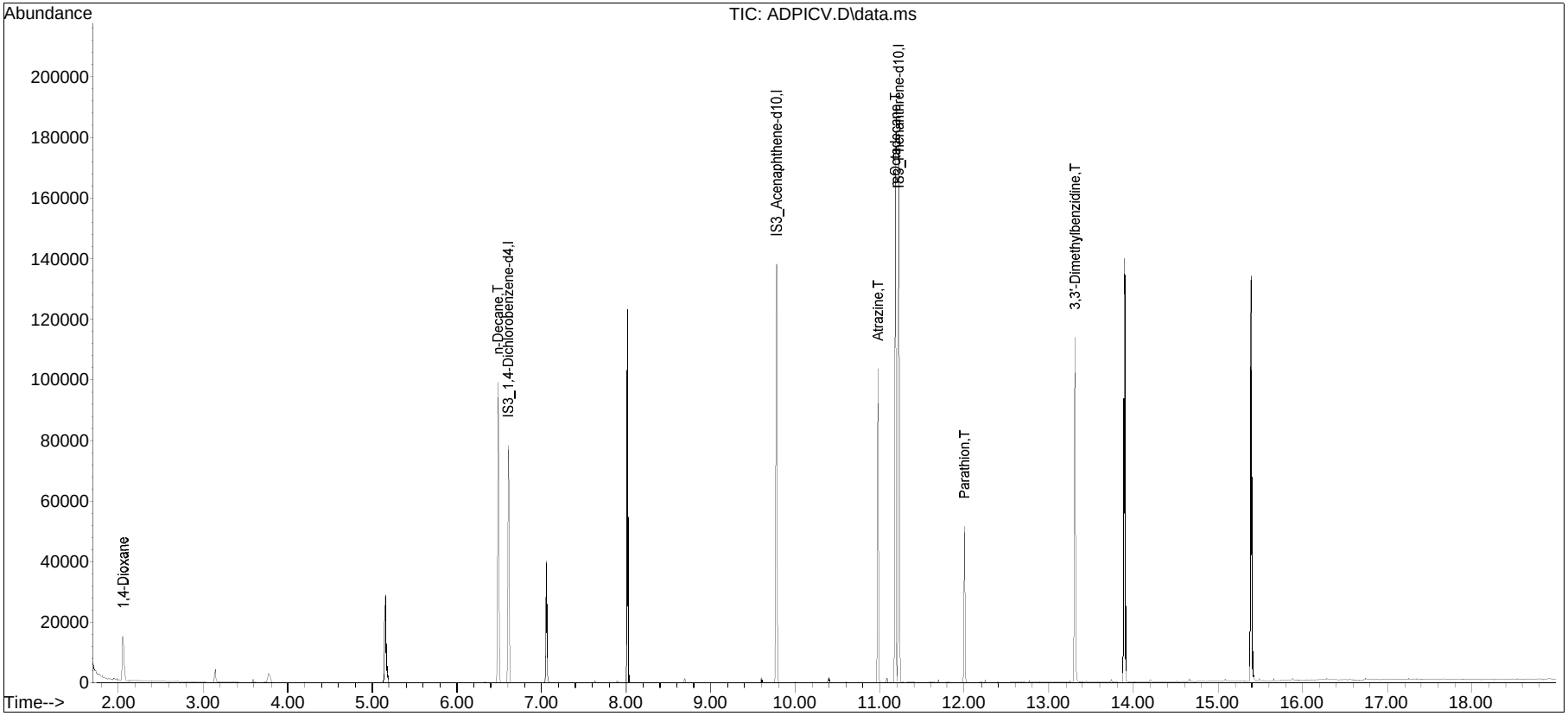
(#) = qualifier out of range (m) = manual integration (+) = signals summed

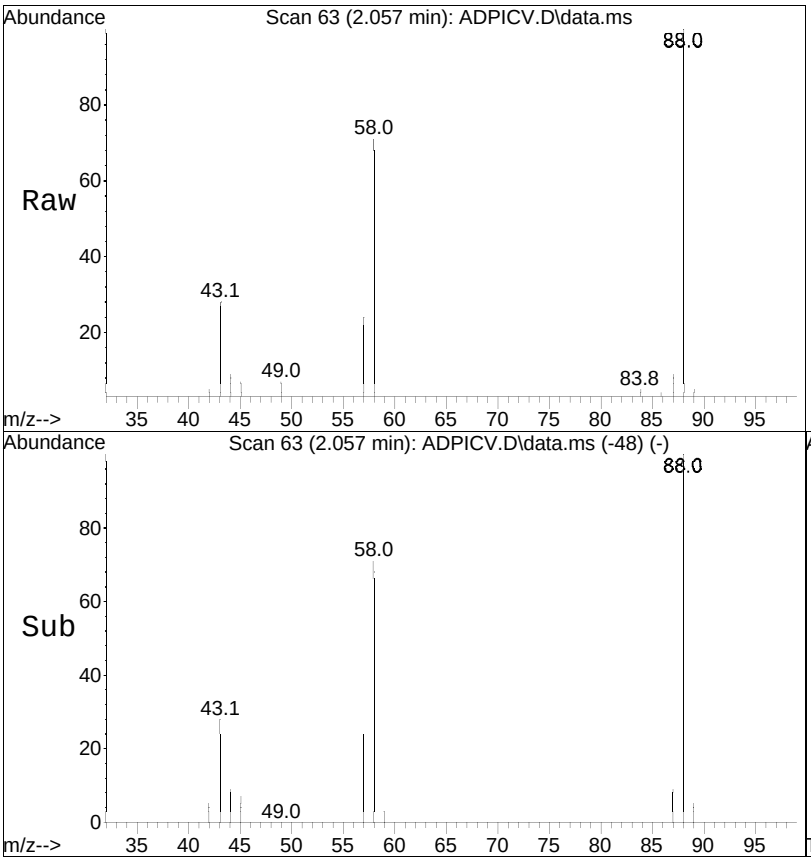
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240730ical\
Data File : ADPICV.D
Acq On : 31 Jul 2024 8:08 am
Operator : SV107:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1954578,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Aug 02 07:59:29 2024
Quant Method : I:\8270\SV107\240730ical\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 02 07:58:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•

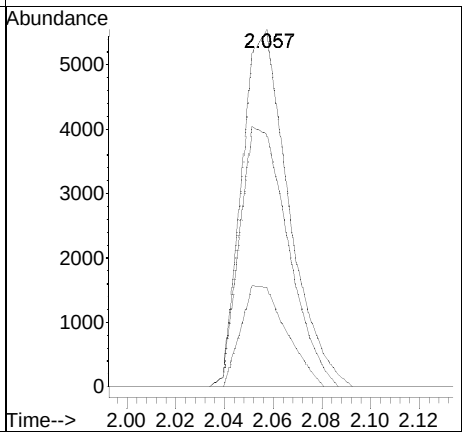


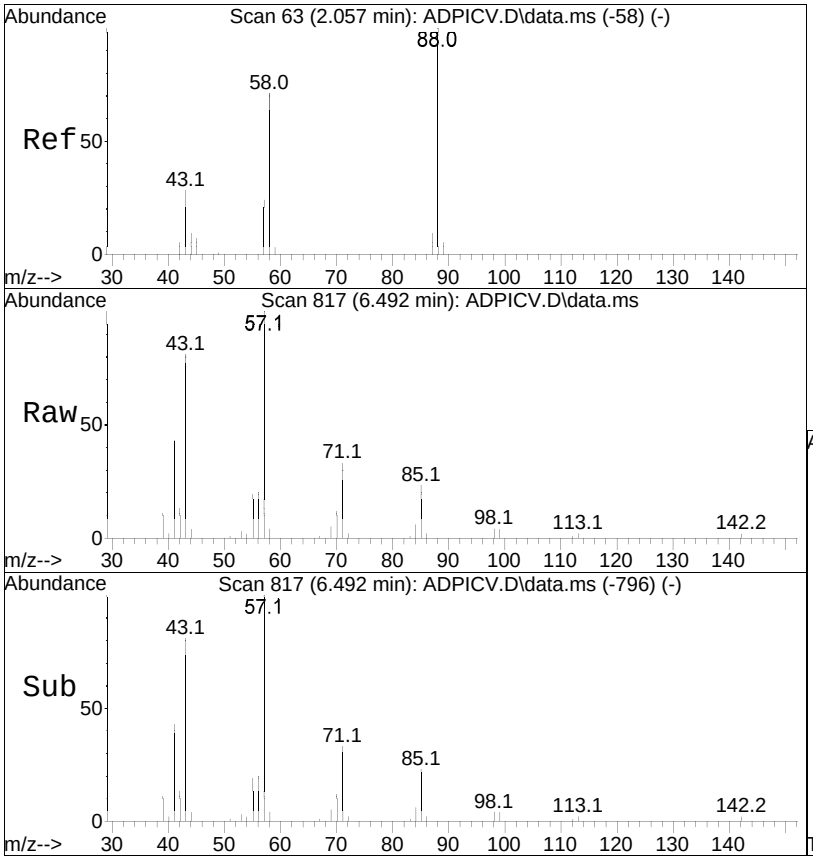


#33
1,4-Dioxane
Concen: 4.80 ug/ml
RT: 2.057 min Scan# 63
Delta R.T. -0.012 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion: 88 Resp: 7358

Ion	Ratio	Lower	Upper
88	100		
58	75.2	44.8	67.2#
43	27.5	22.4	33.6

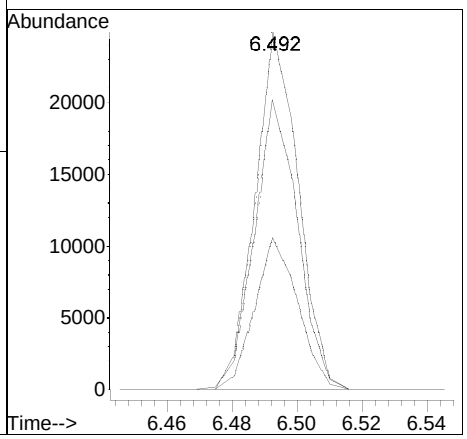


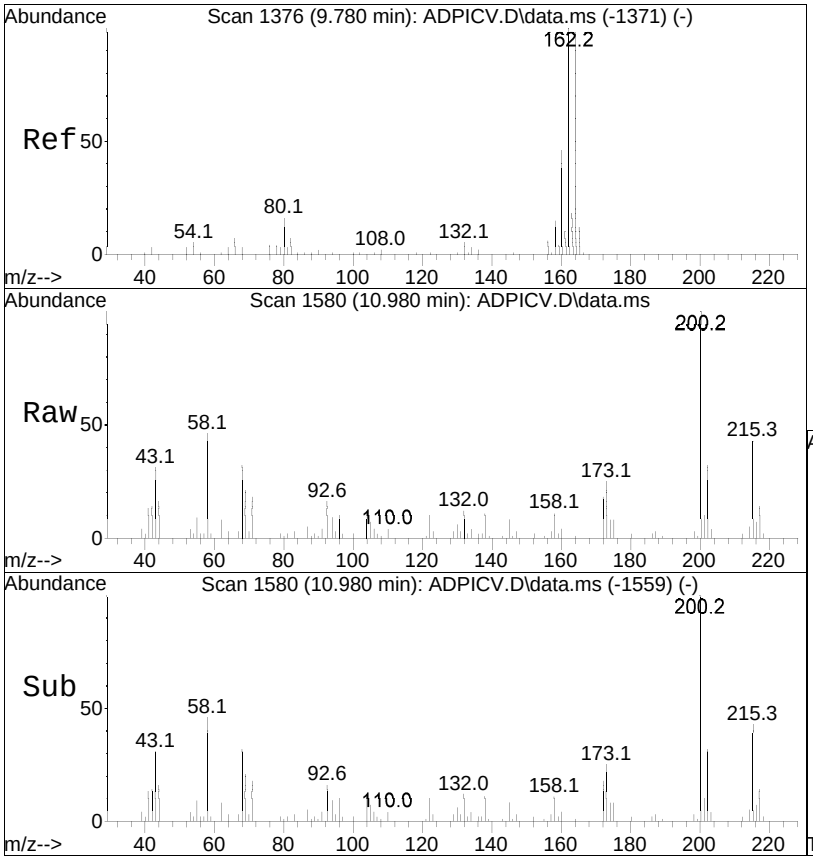


#34
n-Decane
Concen: 4.93 ug/ml
RT: 6.492 min Scan# 817
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion: 57 Resp: 22829

Ion	Ratio	Lower	Upper
57	100		
43	81.3	0.2	0.2#
41	42.7	0.2	0.2#

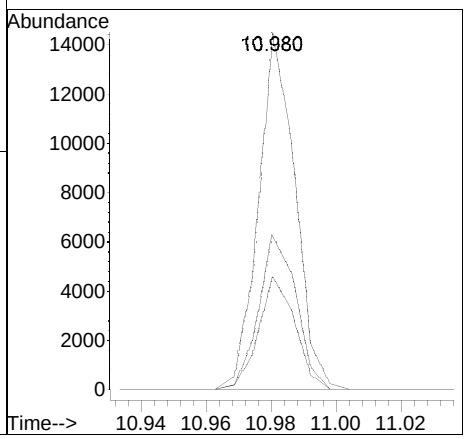


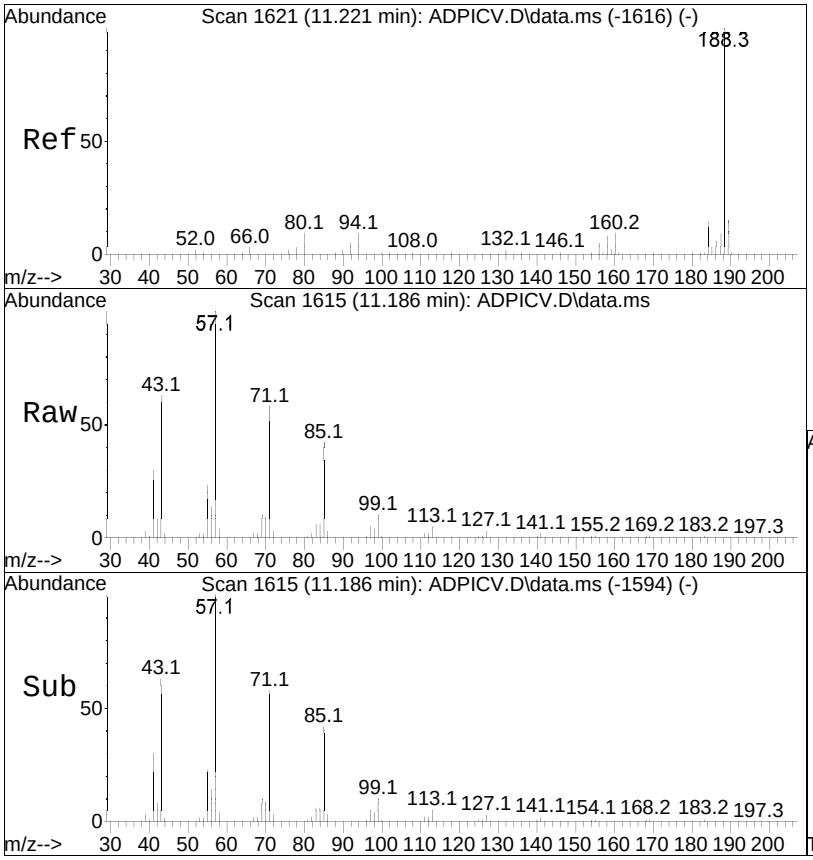


#87
Atrazine
Concen: 4.82 ug/ml
RT: 10.980 min Scan# 1580
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion:200 Resp: 11210

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.8	38.6
215	44.5	40.2	60.4

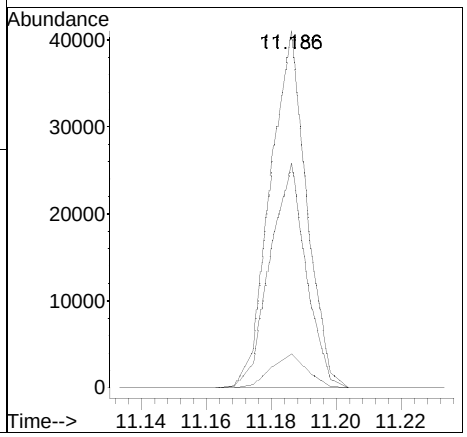


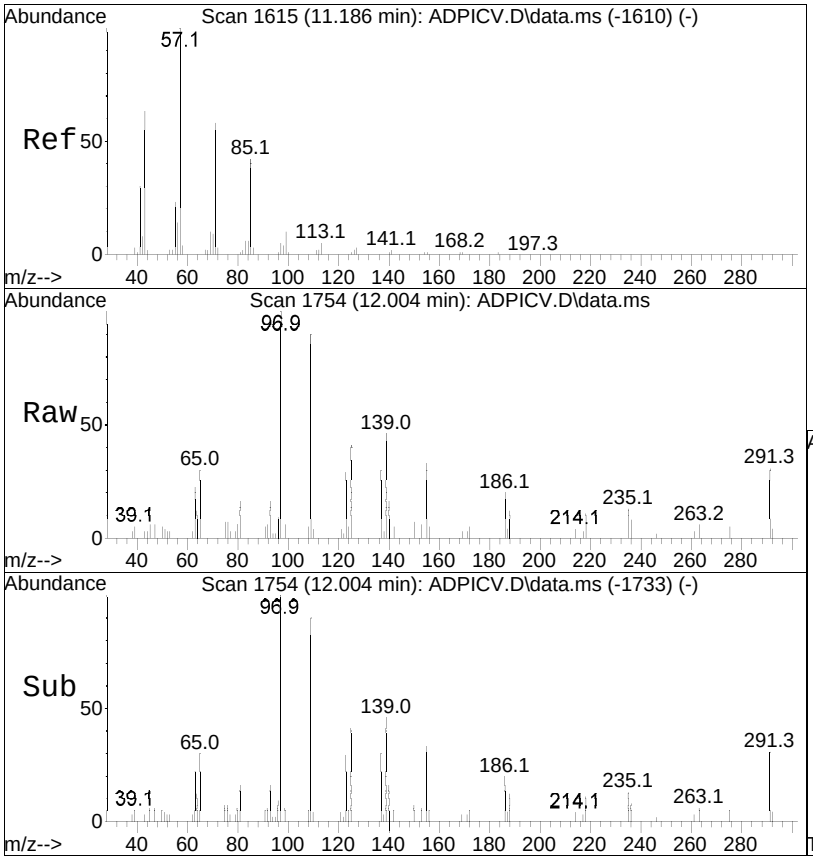


#101
n-Octadecane
Concen: 5.12 ug/ml
RT: 11.186 min Scan# 1615
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion: 57 Resp: 31573

Ion	Ratio	Lower	Upper
57	100		
43	62.7	9.0	13.6#
70	9.5	0.2	0.2#

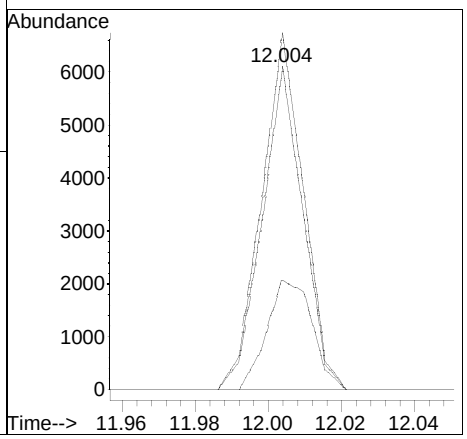


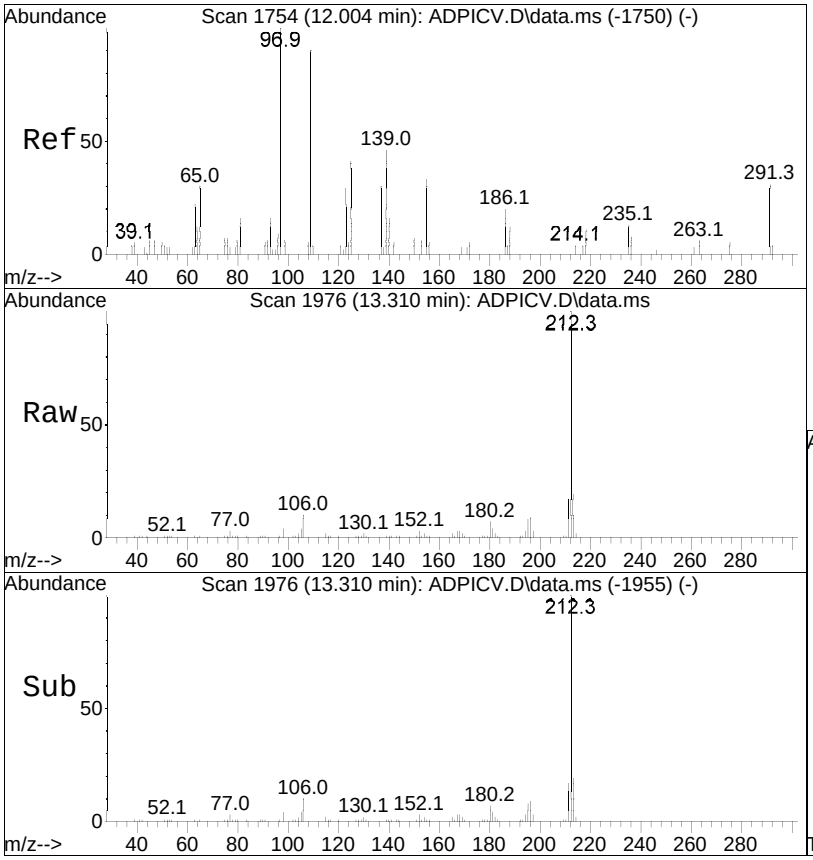


#102
Parathion
Concen: 3.84 ug/ml
RT: 12.004 min Scan# 1754
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion:109 Resp: 4692

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	37.8	34.2	51.2

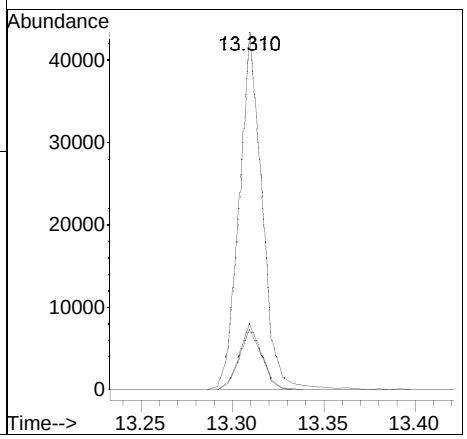




#103
3,3'-Dimethylbenzidine
Concen: 3.54 ug/ml
RT: 13.310 min Scan# 1976
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 31 Jul 2024 8:08 am

Tgt Ion:212 Resp: 37505

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	18.3	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV107\240730ical\	QMethod	: FS240730SV107RVT.m
Data File	: ADPICV.D	Operator	: SV107:cmm
Date Inj'd	: 7/31/2024 8:08 am	Instrument	: SV107
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 8/2/2024 8:00 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV107

Method Path : I:\8270\SV107\240730ical\
Method File : FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Aug 02 07:49:58 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.582	-8.4	2.50	2.786	11.4
60	T Caprolactam	L	ug/ml	5.0	4.511	-9.8	1.00	1.143	14.3
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	3.900	-22.0	1.00	1.321	32.1
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	3.819	-23.6	0.50	0.696	39.2
82	T Pentachlorophenol	L	ug/ml	5.0	4.112	-17.8	1.00	1.238	23.8
84	T Dichloran	L	ug/ml	5.0	4.091	-18.2	1.00	1.319	31.9
85	T Pentachloronitrobenzene	L	ug/ml	5.0	4.313	-13.7	1.00	1.206	20.6
94	T Benzidine	L	ug/ml	5.0	3.786	-24.3	1.00	1.298	29.8
97	T Butyl benzyl phthalate	L	ug/ml	5.0	3.525	-29.5	0.50	0.732	46.4
102	T Parathion	Q	ug/ml	5.0	4.301	-14.0	0.50	0.640	28.0
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	3.970	-20.6	1.00	1.352	35.2
106	T 3,3'-Dichlorobenzidine	L	ug/ml	5.0	4.067	-18.7	0.20	0.297	48.5
108	T Bis(2-ethylhexyl)phthalate	Q	ug/ml	5.0	4.280	-14.4	0.20	0.274	37.0
109	T Di-n-octylphthalate	L	ug/ml	5.0	3.766	-24.7	0.50	0.711	42.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.997859	0.000000	0.274096	-0.103009
60	T Caprolactam	Linear	0.998828	0.000000	0.192914	-0.0287801
66	T 2,4-Dinitrophenol	Linear	0.994026	0.000000	0.226975	-0.0539229
76	T 4,6-Dinitro-o-cresol	Linear	0.993855	0.000000	0.278609	-0.0348367
82	T Pentachlorophenol	Linear	0.995977	0.000000	0.33955	-0.0570211
84	T Dichloran	Linear	0.994761	0.000000	0.251824	-0.0526278
85	T Pentachloronitrobenzene	Linear	0.997492	0.000000	0.224214	-0.0343982
94	T Benzidine	Linear	0.990799	0.000000	0.856095	-0.144045
97	T Butyl benzyl phthalate	Linear	0.990660	0.000000	0.629777	-0.0754711
102	T Parathion	Quadratic	0.998282	0.004688	0.0771105	-0.00587455
103	T 3,3'-Dimethylbenzidine	Linear	0.990930	0.000000	0.8889	-0.206282
106	T 3,3'-Dichlorobenzidine	Linear	0.996081	0.000000	0.542593	-0.0240894
108	T Bis(2-ethylhexyl)phthalate	Quadratic	0.997312	0.009640	0.795575	-0.0281602
109	T Di-n-octylphthalate	Linear	0.993482	0.000000	1.52783	-0.178712

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	150	0
n-Nitrosodimethylamine	0.657	0.653	-	0.6	20	137	0
Pyridine	1.043	1.014	-	2.8	20	129	0
2-Fluorophenol	1.05	1.012	-	3.6	20	142	0
Aniline	1.811	1.642	-	9.3	20	140	0
2-Chlorophenol	1.251	1.181	-	5.6	20	145	0
Phenol-d6	1.357	1.299	-	4.3	20	143	0
Phenol	1.577	1.372	-	13	20	132	0
Bis(2-chloroethyl)ether	1.167	1.096	-	6.1	20	147	0
1,3-Dichlorobenzene	1.508	1.394	-	7.6	20	141	0
1,4-Dichlorobenzene	1.575	1.421	-	9.8	20	144	0
1,2-Dichlorobenzene	1.475	1.369	-	7.2	20	144	0
Benzyl alcohol	0.945	0.976	-	-3.3	20	155	0
Bis(2-chloroisopropyl)ethe	1.475	1.496	-	-1.4	20	158	0
2-Methylphenol	1.056	1.045	-	1	20	150	0
Hexachloroethane	0.558	0.542	-	2.9	20	150	0
n-Nitrosodi-n-propylamine	0.865	0.874	-	-1	20	156	0
3-Methylphenol/4-Methylphe	1.15	1.146	-	0.3	20	148	0
Nitrobenzene-d5	1.294	1.275	-	1.5	20	149	0
Nitrobenzene	1.289	1.272	-	1.3	20	149	0
Isophorone	2.328	2.362	-	-1.5	20	157	0
2-Nitrophenol	0.574	0.691	-	-20.4*	20	181	0
2,4-Dimethylphenol	1.101	1.132	-	-2.8	20	170	0
Bis(2-chloroethoxy)methane	1.567	1.506	-	3.9	20	155	0
2,4-Dichlorophenol	1.153	1.173	-	-1.7	20	157	0
1,2,4-Trichlorobenzene	1.46	1.326	-	9.2	20	150	0
IS1_Naphthalene-d8	1	1	-	0	20	150	0
Naphthalene	1.049	0.96	-	8.5	20	145	0
Benzoic Acid	5	6.386	-	-27.7*	20	234	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	155	0
Hexachlorobutadiene	0.246	0.23	-	6.5	20	153	0
p-Chloro-m-cresol	0.277	0.307	-	-10.8	20	171	0
2-Methylnaphthalene	0.713	0.669	-	6.2	20	155	0
1-Methylnaphthalene	0.245	0.226	-	7.8	20	156	0
Hexachlorocyclopentadiene	0.251	0.287	-	-14.3	20	191	0
2,4,6-Trichlorophenol	0.256	0.274	-	-7	20	165	0
2,4,5-Trichlorophenol	0.262	0.303	-	-15.6	20	176	0
2-Fluorobiphenyl	0.904	0.858	-	5.1	20	157	0
2-Chloronaphthalene	0.759	0.713	-	6.1	20	154	0
2-Nitroaniline	0.2	0.235	-	-17.5	20	185	0
1,4-Dinitrobenzene	0.098	0.125	-	-27.6*	20	197	0
1,3-Dinitrobenzene	0.114	0.142	-	-24.6*	20	193	0
Dimethyl phthalate	0.923	0.971	-	-5.2	20	176	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.137	-	-1.5	20	161	0
2,6-Dinitrotoluene	0.173	0.208	-	-20.2*	20	191	0
1,2-Dinitrobenzene	0.076	0.087	-	-14.5	20	186	0
IS1_Acenaphthene-d10	1	1	-	0	20	168	0
3-Nitroaniline	0.299	0.328	-	-9.7	20	178	0
Acenaphthene	1.115	1.004	-	10	20	162	0
2,4-Dinitrophenol	5	7.021	-	-40.4*	20	266	0
Dibenzofuran	1.837	1.668	-	9.2	20	162	0
2,4-Dinitrotoluene	0.383	0.448	-	-17	20	193	0
4-Nitrophenol	0.29	0.279	-	3.8	20	164	0
2,3,5,6-Tetrachlorophenol	0.377	0.446	-	-18.3	20	193	0
2,3,4,6-Tetrachlorophenol	0.37	0.417	-	-12.7	20	192	0
Diethyl phthalate	1.487	1.509	-	-1.5	20	189	0
Fluorene	1.431	1.339	-	6.4	20	167	0
4-Chlorophenyl phenyl ethe	0.78	0.712	-	8.7	20	173	0
4-Nitroaniline	0.314	0.342	-	-8.9	20	172	0
4,6-Dinitro-o-cresol	5	6.336	-	-26.7*	20	258	0
NDPA/DPA	1.231	1.199	-	2.6	20	174	0
Azobenzene	1.305	1.256	-	3.8	20	167	0
2,4,6-Tribromophenol	0.257	0.291	-	-13.2	20	207	0
4-Bromophenyl phenyl ether	0.5	0.492	-	1.6	20	187	0
Hexachlorobenzene	0.628	0.597	-	4.9	20	189	0
Pentachlorophenol	0.322	0.4	-	-24.2*	20	222	0
IS1_Phenanthrene-d10	1	1	-	0	20	186	0
Phenanthrene	1.058	0.942	-	11	20	173	0
Anthracene	1.035	0.96	-	7.2	20	179	0
Carbazole	0.948	0.9	-	5.1	20	176	0
Di-n-butylphthalate	1.034	1.169	-	-13.1	20	221	0
Fluoranthene	1.228	1.178	-	4.1	20	186	0
Benzidine	0.675	0.766	-	-13.5	20	203	0
Pyrene	1.301	1.252	-	3.8	20	180	0
4-Terphenyl-d14	1.029	0.976	-	5.2	20	189	0
Butyl benzyl phthalate	0.458	0.559	-	-22.1*	20	246	0
IS1_Chrysene-d12	1	1	-	0	20	189	0
Benzo(a)anthracene	1.284	1.226	-	4.5	20	186	0
3,3'-Dichlorobenzidine	0.468	0.492	-	-5.1	20	199	0
Chrysene	1.259	1.142	-	9.3	20	179	0
Bis(2-ethylhexyl)phthalate	0.639	0.812	-	-27.1*	20	251	0
Di-n-octylphthalate	0.979	1.365	-	-39.4*	20	260	0
Benzo(b)fluoranthene	1.317	1.347	-	-2.3	20	196	0
Benzo(k)fluoranthene	1.202	1.121	-	6.7	20	166	0
Benzo(a)pyrene	1.149	1.159	-	-0.9	20	186	0
IS1_Perylene-d12	1	1	-	0	20	189	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV112		**Calibration Date**	: 09/09/24 13:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1969270-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.998	-	10.7	20	165	0
Dibenzo(a,h)anthracene	1.068	1.017	-	4.8	20	178	0
Benzo(ghi)perylene	1.078	0.98	-	9.1	20	175	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:45		
Lab File ID	: AP90909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	143	0
Benzaldehyde	1.094	0.943	-	13.8	20	124	0
Acetophenone	1.903	1.639	-	13.9	20	117	0
m-Toluidine	1.828	1.588	-	13.1	20	118	0
2-Chloroaniline	1.742	1.452	-	16.6	20	116	0
IS2_Naphthalene-d8	1	1	-	0	20	140	0
a-Terpineol	0.277	0.255	-	7.9	20	127	0
3-Chloroaniline	0.15	0.13	-	13.3	20	122	0
2,6-Dichlorophenol	0.326	0.299	-	8.3	20	124	0
1-chloro-2-nitrobenzene	0.143	0.134	-	6.3	20	128	0
Caprolactam	5	4.574	-	8.5	20	136	0
1,2,4,5-Tetrachlorobenzene	0.479	0.4	-	16.5	20	118	0
Biphenyl	1.026	0.837	-	18.4	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	144	0
Dichloran	5	4.649	-	7	20	154	0
Pentachloronitrobenzene	0.235	0.234	-	0.4	20	149	0
IS2_Phenanthrene-d10	1	1	-	0	20	152	0
Diphenamid	0.515	0.472	-	8.3	20	135	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 14:08		
Lab File ID	: ADP0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-5	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
1,4-Dioxane	0.47	0.523	-	-11.3	20	143	0
n-Decane	1.145	1.299	-	-13.4	20	140	0
IS3_Acenaphthene-d10	1	1	-	0	20	120	0
Atrazine	0.441	0.485	-	-10	20	147	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.315	0.428	-	-35.9*	20	168	0
Parathion	5	6.958	-	-39.2*	20	189	0
3,3'-Dimethylbenzidine	5	5.897	-	-17.9	20	153	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:19		
Lab File ID	: ABN0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
n-Nitrosodimethylamine	0.851	0.829	-	2.6	20	91	0
Pyridine	1.392	1.341	-	3.7	20	89	0
2-Fluorophenol	1.156	1.2	-	-3.8	20	95	0
Aniline	2.049	1.724	-	15.9	20	79	0
2-Chlorophenol	1.288	1.251	-	2.9	20	93	0
Phenol-d6	1.583	1.576	-	0.4	20	95	0
Phenol	1.642	1.595	-	2.9	20	91	0
Bis(2-chloroethyl)ether	1.348	1.218	-	9.6	20	85	0
1,3-Dichlorobenzene	1.546	1.445	-	6.5	20	89	0
1,4-Dichlorobenzene	1.565	1.476	-	5.7	20	90	0
1,2-Dichlorobenzene	1.522	1.423	-	6.5	20	89	0
Benzyl alcohol	1.267	1.24	-	2.1	20	91	0
Bis(2-chloroisopropyl)ethe	2.166	1.681	-	22.4*	20	74	0
2-Methylphenol	1.183	1.091	-	7.8	20	86	0
Hexachloroethane	0.623	0.599	-	3.9	20	95	0
n-Nitrosodi-n-propylamine	1.057	1.015	-	4	20	87	0
3-Methylphenol/4-Methylphe	1.279	1.187	-	7.2	20	88	0
Nitrobenzene-d5	1.619	1.552	-	4.1	20	91	0
Nitrobenzene	1.643	1.551	-	5.6	20	91	0
Isophorone	2.76	2.613	-	5.3	20	86	0
2-Nitrophenol	0.692	0.639	-	7.7	20	85	0
2,4-Dimethylphenol	1.301	0.875	-	32.7*	20	63	0
Bis(2-chloroethoxy)methane	1.778	1.519	-	14.6	20	81	0
2,4-Dichlorophenol	1.233	1.159	-	6	20	87	0
1,2,4-Trichlorobenzene	1.51	1.347	-	10.8	20	88	0
IS1_Naphthalene-d8	1	1	-	0	20	85	0
Naphthalene	1.147	0.975	-	15	20	82	0
Benzoic Acid	5	4.917	-	1.7	20	89	0
4-Chloroaniline	0.169	0.158	-	6.5	20	85	0
Hexachlorobutadiene	0.303	0.269	-	11.2	20	87	0
p-Chloro-m-cresol	0.343	0.343	-	0	20	91	0
2-Methylnaphthalene	0.764	0.649	-	15.1	20	80	0
1-Methylnaphthalene	0.29	0.273	-	5.9	20	88	0
Hexachlorocyclopentadiene	0.336	0.273	-	18.8	20	75	0
2,4,6-Trichlorophenol	0.301	0.284	-	5.6	20	85	0
2,4,5-Trichlorophenol	0.322	0.284	-	11.8	20	78	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	79	0
2-Chloronaphthalene	0.813	0.702	-	13.7	20	81	0
2-Nitroaniline	0.245	0.201	-	18	20	73	0
1,4-Dinitrobenzene	0.129	0.11	-	14.7	20	77	0
1,3-Dinitrobenzene	0.147	0.123	-	16.3	20	74	0
Dimethyl phthalate	0.989	0.866	-	12.4	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/09/24 23:19	
Lab File ID	: ABN0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.063	-	14.5	20	77	0
2,6-Dinitrotoluene	0.213	0.175	-	17.8	20	72	0
1,2-Dinitrobenzene	0.091	0.08	-	12.1	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	85	0
3-Nitroaniline	0.319	0.284	-	11	20	76	0
Acenaphthene	1.153	0.953	-	17.3	20	78	0
2,4-Dinitrophenol	0.213	0.188	-	11.7	20	74	0
Dibenzofuran	1.936	1.584	-	18.2	20	78	0
2,4-Dinitrotoluene	0.475	0.397	-	16.4	20	73	0
4-Nitrophenol	0.323	0.314	-	2.8	20	88	0
2,3,5,6-Tetrachlorophenol	0.452	0.423	-	6.4	20	82	0
2,3,4,6-Tetrachlorophenol	0.435	0.413	-	5.1	20	82	0
Diethyl phthalate	1.529	1.318	-	13.8	20	80	0
Fluorene	1.523	1.208	-	20.7*	20	74	0
4-Chlorophenyl phenyl ethe	0.801	0.661	-	17.5	20	80	0
4-Nitroaniline	0.333	0.274	-	17.7	20	75	0
4,6-Dinitro-o-cresol	0.266	0.268	-	-0.8	20	82	0
NDPA/DPA	1.263	1.081	-	14.4	20	77	0
Azobenzene	1.446	1.298	-	10.2	20	82	0
2,4,6-Tribromophenol	0.249	0.227	-	8.8	20	79	0
4-Bromophenyl phenyl ether	0.5	0.438	-	12.4	20	83	0
Hexachlorobenzene	0.569	0.498	-	12.5	20	84	0
Pentachlorophenol	0.361	0.332	-	8	20	76	0
IS1_Phenanthrene-d10	1	1	-	0	20	78	0
Phenanthrene	1.117	0.969	-	13.2	20	76	0
Anthracene	1.111	1	-	10	20	76	0
Carbazole	1.018	0.854	-	16.1	20	72	0
Di-n-butylphthalate	1.195	1.072	-	10.3	20	74	0
Fluoranthene	1.366	1.155	-	15.4	20	73	0
Benzidine	0.741	0.622	-	16.1	20	66	0
Pyrene	1.44	1.265	-	12.2	20	76	0
4-Terphenyl-d14	1.076	0.927	-	13.8	20	75	0
Butyl benzyl phthalate	0.55	0.482	-	12.4	20	75	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.478	1.245	-	15.8	20	78	0
3,3'-Dichlorobenzidine	0.489	0.471	-	3.7	20	79	0
Chrysene	1.429	1.155	-	19.2	20	76	0
Bis(2-ethylhexyl)phthalate	0.817	0.691	-	15.4	20	71	0
Di-n-octylphthalate	1.352	1.172	-	13.3	20	74	0
Benzo(b)fluoranthene	1.43	1.333	-	6.8	20	89	0
Benzo(k)fluoranthene	1.356	1.137	-	16.2	20	74	0
Benzo(a)pyrene	1.242	1.163	-	6.4	20	83	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/09/24 23:19	
Lab File ID	: ABN0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.069	-	1.2	20	88	0
Dibenzo(a,h)anthracene	1.042	1.046	-	-0.4	20	90	0
Benzo(ghi)perylene	0.964	1.018	-	-5.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:42		
Lab File ID	: AP90909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-4	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Benzaldehyde	1.187	1.177	-	0.8	20	112	0
Acetophenone	2.158	2.082	-	3.5	20	109	0
m-Toluidine	1.957	1.907	-	2.6	20	110	0
2-Chloroaniline	1.709	1.646	-	3.7	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	110	0
a-Terpineol	0.4	0.353	-	11.8	20	99	0
3-Chloroaniline	0.201	0.198	-	1.5	20	110	0
2,6-Dichlorophenol	0.362	0.346	-	4.4	20	102	0
1-chloro-2-nitrobenzene	0.18	0.175	-	2.8	20	104	0
Caprolactam	0.21	0.177	-	15.7	20	87	0
1,2,4,5-Tetrachlorobenzene	0.548	0.498	-	9.1	20	104	0
Biphenyl	1.084	0.952	-	12.2	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	114	0
Dichloran	0.247	0.226	-	8.5	20	98	0
Pentachloronitrobenzene	0.27	0.269	-	0.4	20	105	0
IS2_Phenanthrene-d10	1	1	-	0	20	104	0
Diphenamid	0.561	0.495	-	11.8	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/10/24 00:06	
Lab File ID	: ADP0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-5		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
1,4-Dioxane	0.584	0.512	-	12.3	20	115	0
n-Decane	1.662	1.421	-	14.5	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	107	0
Atrazine	0.509	0.4	-	21.4*	20	92	0
IS3_Phenanthrene-d10	1	1	-	0	20	96	0
n-Octadecane	0.498	0.395	-	20.7*	20	82	0
Parathion	0.124	0.117	-	5.6	20	99	0
3,3'-Dimethylbenzidine	0.791	0.749	-	5.3	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	65	0
n-Nitrosodimethylamine	0.71	0.807	-	-13.7	20	74	0
Pyridine	1.086	1.362	-	-25.4*	20	74	0
2-Fluorophenol	1.08	1.166	-	-8	20	70	0
Aniline	1.765	1.822	-	-3.2	20	72	0
2-Chlorophenol	1.294	1.409	-	-8.9	20	74	0
Phenol-d6	1.413	1.461	-	-3.4	20	72	0
Phenol	1.566	1.592	-	-1.7	20	71	0
Bis(2-chloroethyl)ether	1.247	1.293	-	-3.7	20	75	0
1,3-Dichlorobenzene	1.587	1.641	-	-3.4	20	73	0
1,4-Dichlorobenzene	1.599	1.658	-	-3.7	20	73	0
1,2-Dichlorobenzene	1.562	1.52	-	2.7	20	69	0
Benzyl alcohol	1.01	1.043	-	-3.3	20	74	0
Bis(2-chloroisopropyl)ethe	1.617	2.065	-	-27.7*	20	92	0
2-Methylphenol	1.126	1.188	-	-5.5	20	77	0
Hexachloroethane	0.563	0.633	-	-12.4	20	76	0
n-Nitrosodi-n-propylamine	0.862	0.869	-	-0.8	20	73	0
3-Methylphenol/4-Methylphe	1.241	1.274	-	-2.7	20	76	0
Nitrobenzene-d5	1.368	1.37	-	-0.1	20	72	0
Nitrobenzene	1.312	1.39	-	-5.9	20	75	0
Isophorone	2.344	2.356	-	-0.5	20	72	0
2-Nitrophenol	0.667	0.731	-	-9.6	20	80	0
2,4-Dimethylphenol	1.081	1.192	-	-10.3	20	117	0
Bis(2-chloroethoxy)methane	1.585	1.592	-	-0.4	20	75	0
2,4-Dichlorophenol	1.18	1.232	-	-4.4	20	75	0
1,2,4-Trichlorobenzene	1.405	1.419	-	-1	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.132	1.077	-	4.9	20	73	0
Benzoic Acid	5	5.836	-	-16.7	20	94	0
4-Chloroaniline	0.126	0.13	-	-3.2	20	72	0
Hexachlorobutadiene	0.224	0.231	-	-3.1	20	75	0
p-Chloro-m-cresol	0.283	0.304	-	-7.4	20	79	0
2-Methylnaphthalene	0.737	0.739	-	-0.3	20	76	0
1-Methylnaphthalene	0.238	0.241	-	-1.3	20	74	0
Hexachlorocyclopentadiene	0.212	0.243	-	-14.6	20	82	0
2,4,6-Trichlorophenol	0.234	0.263	-	-12.4	20	80	0
2,4,5-Trichlorophenol	0.249	0.264	-	-6	20	75	0
2-Fluorobiphenyl	0.9	0.886	-	1.6	20	78	0
2-Chloronaphthalene	0.763	0.714	-	6.4	20	74	0
2-Nitroaniline	0.204	0.208	-	-2	20	77	0
1,4-Dinitrobenzene	0.11	0.105	-	4.5	20	79	0
1,3-Dinitrobenzene	0.129	0.121	-	6.2	20	77	0
Dimethyl phthalate	0.863	0.857	-	0.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.132	1.131	-	0.1	20	77	0
2,6-Dinitrotoluene	0.169	0.179	-	-5.9	20	78	0
1,2-Dinitrobenzene	0.077	0.073	-	5.2	20	72	0
IS1_Acenaphthene-d10	1	1	-	0	20	69	0
3-Nitroaniline	0.32	0.331	-	-3.4	20	73	0
Acenaphthene	1.138	1.127	-	1	20	76	0
2,4-Dinitrophenol	5	5.289	-	-5.8	20	101	0
Dibenzofuran	1.879	1.793	-	4.6	20	75	0
2,4-Dinitrotoluene	0.408	0.428	-	-4.9	20	79	0
4-Nitrophenol	0.253	0.261	-	-3.2	20	75	0
2,3,5,6-Tetrachlorophenol	0.341	0.374	-	-9.7	20	76	0
2,3,4,6-Tetrachlorophenol	0.325	0.362	-	-11.4	20	75	0
Diethyl phthalate	1.327	1.352	-	-1.9	20	81	0
Fluorene	1.404	1.254	-	10.7	20	69	0
4-Chlorophenyl phenyl ethe	0.713	0.651	-	8.7	20	71	0
4-Nitroaniline	0.32	0.286	-	10.6	20	66	0
4,6-Dinitro-o-cresol	5	4.545	-	9.1	20	84	0
NDPA/DPA	1.166	0.986	-	15.4	20	64	0
Azobenzene	1.226	1.034	-	15.7	20	63	0
2,4,6-Tribromophenol	0.187	0.129	-	31*	20	52	0
4-Bromophenyl phenyl ether	0.385	0.328	-	14.8	20	66	0
Hexachlorobenzene	0.425	0.284	-	33.2*	20	51	0
Pentachlorophenol	5	3.963	-	20.7*	20	66	0
IS1_Phenanthrene-d10	1	1	-	0	20	71	0
Phenanthrene	1.151	1.063	-	7.6	20	74	0
Anthracene	1.089	1.088	-	0.1	20	78	0
Carbazole	0.994	0.994	-	0	20	76	0
Di-n-butylphthalate	1.094	1.205	-	-10.1	20	90	0
Fluoranthene	1.261	1.215	-	3.6	20	75	0
Benzidine	5	4.749	-	5	20	93	0
Pyrene	1.372	1.312	-	4.4	20	75	0
4-Terphenyl-d14	0.946	0.861	-	9	20	74	0
Butyl benzyl phthalate	5	4.524	-	9.5	20	94	0
IS1_Chrysene-d12	1	1	-	0	20	67	0
Benzo(a)anthracene	1.453	1.448	-	0.3	20	73	0
3,3'-Dichlorobenzidine	5	4.619	-	7.6	20	77	0
Chrysene	1.403	1.411	-	-0.6	20	74	0
Bis(2-ethylhexyl)phthalate	5	6.043	-	-20.9*	20	96	0
Di-n-octylphthalate	5	5.569	-	-11.4	20	104	0
Benzo(b)fluoranthene	1.251	1.319	-	-5.4	20	74	0
Benzo(k)fluoranthene	1.251	1.326	-	-6	20	70	0
Benzo(a)pyrene	1.101	1.282	-	-16.4	20	78	0
IS1_Perylene-d12	1	1	-	0	20	66	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 01:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-3		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.098	1.097	-	0.1	20	68	0
Dibenzo(a,h)anthracene	1.056	1.101	-	-4.3	20	69	0
Benzo(ghi)perylene	0.977	1.084	-	-11	20	70	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 01:48	
Lab File ID	: AP90909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-4		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
Benzaldehyde	1.145	1.047	-	8.6	20	81	0
Acetophenone	2.032	1.522	-	25.1*	20	67	0
m-Toluidine	1.86	1.428	-	23.2*	20	64	0
2-Chloroaniline	1.773	1.39	-	21.6*	20	67	0
IS2_Naphthalene-d8	1	1	-	0	20	72	0
a-Terpineol	0.297	0.218	-	26.6*	20	51	0
3-Chloroaniline	0.163	0.115	-	29.4*	20	50	0
2,6-Dichlorophenol	0.319	0.285	-	10.7	20	62	0
1-chloro-2-nitrobenzene	0.155	0.156	-	-0.6	20	73	0
Caprolactam	5	5.157	-	-3.1	20	84	0
1,2,4,5-Tetrachlorobenzene	0.444	0.44	-	0.9	20	74	0
Biphenyl	1.036	0.989	-	4.5	20	73	0
IS2_Acenaphthene-d10	1	1	-	0	20	83	0
Dichloran	5	4.128	-	17.4	20	84	0
Pentachloronitrobenzene	5	4.205	-	15.9	20	80	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.507	0.463	-	8.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 02:14	
Lab File ID	: ADP0909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-5		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.459	0.469	-	-2.2	20	91	0
n-Decane	1.388	1.514	-	-9.1	20	93	0
IS3_Acenaphthene-d10	1	1	-	0	20	63	0
Atrazine	0.315	0.394	-	-25.1*	20	78	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.381	0.407	-	-6.8	20	83	0
Parathion	5	5.321	-	-6.4	20	97	0
3,3'-Dimethylbenzidine	5	4.268	-	14.6	20	84	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	150	0.00
2	T	n-Nitrosodimethylamine		0.657	0.653	0.6	137	0.00
3	T	Pyridine		1.043	1.014	2.8	129	0.00
4	S	2-Fluorophenol		1.050	1.012	3.6	142	0.00
5	T	Aniline		1.811	1.642	9.3	140	0.00
6	T	2-Chlorophenol		1.251	1.181	5.6	145	0.00
7	S	Phenol-d6		1.357	1.299	4.3	143	0.00
8	T	Phenol		1.577	1.372	13.0	132	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.096	6.1	147	0.00
10	T	1,3-Dichlorobenzene		1.508	1.394	7.6	141	0.00
11	T	1,4-Dichlorobenzene		1.575	1.421	9.8	144	0.00
12	T	1,2-Dichlorobenzene		1.475	1.369	7.2	144	0.00
13	T	Benzyl alcohol		0.945	0.976	-3.3	155	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.496	-1.4	158	0.00
15	T	2-Methylphenol		1.056	1.045	1.0	150	0.00
16	T	Hexachloroethane		0.558	0.542	2.9	150	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.874	-1.0	156	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.146	0.3	148	0.00
19	S	Nitrobenzene-d5		1.294	1.275	1.5	149	0.00
20	T	Nitrobenzene		1.289	1.272	1.3	149	0.00
21	T	Isophorone		2.328	2.362	-1.5	157	0.00
22	T	2-Nitrophenol		0.574	0.691	-20.4#	181	0.00
23	T	2,4-Dimethylphenol		1.101	1.132	-2.8	170	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.506	3.9	155	0.00
25	T	2,4-Dichlorophenol		1.153	1.173	-1.7	157	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.326	9.2	150	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	150	0.00
36	T	Naphthalene		1.049	0.960	8.5	145	0.00
37	T	Benzoic Acid	*	5.000	6.386	-27.7#	234	0.00
38	T	4-Chloroaniline		0.118	0.121	-2.5	155	0.00
39	T	Hexachlorobutadiene		0.246	0.230	6.5	153	0.00
40	T	p-Chloro-m-cresol		0.277	0.307	-10.8	171	0.00
41	T	2-Methylnaphthalene		0.713	0.669	6.2	155	0.00
42	T	1-Methylnaphthalene		0.245	0.226	7.8	156	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.287	-14.3	191	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.274	-7.0	165	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.303	-15.6	176	0.00
46	S	2-Fluorobiphenyl		0.904	0.858	5.1	157	0.00

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.713	6.1	154	0.00
48	T	2-Nitroaniline		0.200	0.235	-17.5	185	0.00
49	T	1,4-Dinitrobenzene		0.098	0.125	-27.6#	197	0.00
50	T	1,3-Dinitrobenzene		0.114	0.142	-24.6#	193	0.00
51	T	Dimethyl phthalate		0.923	0.971	-5.2	176	0.00
52	T	Acenaphthylene		1.120	1.137	-1.5	161	0.00
53	T	2,6-Dinitrotoluene		0.173	0.208	-20.2#	191	0.00
54	T	1,2-Dinitrobenzene		0.076	0.087	-14.5	186	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	168	0.00
64	T	3-Nitroaniline		0.299	0.328	-9.7	178	0.00
65	T	Acenaphthene		1.115	1.004	10.0	162	0.00
66	T	2,4-Dinitrophenol	*	5.000	7.021	-40.4#	266	0.00
67	T	Dibenzofuran		1.837	1.668	9.2	162	0.00
68	T	2,4-Dinitrotoluene		0.383	0.448	-17.0	193	0.00
69	T	4-Nitrophenol		0.290	0.279	3.8	164	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.446	-18.3	193	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.417	-12.7	192	0.00
72	T	Diethyl phthalate		1.487	1.509	-1.5	189	0.00
73	T	Fluorene		1.431	1.339	6.4	167	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.712	8.7	173	0.00
75	T	4-Nitroaniline		0.314	0.342	-8.9	172	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	6.336	-26.7#	258	0.00
77	T	NDPA/DPA		1.231	1.199	2.6	174	0.00
78	T	Azobenzene		1.305	1.256	3.8	167	0.00
79	S	2,4,6-Tribromophenol		0.257	0.291	-13.2	207#	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.492	1.6	187	0.00
81	T	Hexachlorobenzene		0.628	0.597	4.9	189	0.00
82	T	Pentachlorophenol		0.322	0.400	-24.2#	222#	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	186	0.00
89	T	Phenanthrene		1.058	0.942	11.0	173	0.00
90	T	Anthracene		1.035	0.960	7.2	179	0.00
91	T	Carbazole		0.948	0.900	5.1	176	0.00
92	T	Di-n-butylphthalate		1.034	1.169	-13.1	221#	0.00
93	T	Fluoranthene		1.228	1.178	4.1	186	0.00
94	T	Benzidine		0.675	0.766	-13.5	203#	0.00
95	T	Pyrene		1.301	1.252	3.8	180	0.00
96	S	4-Terphenyl-d14		1.029	0.976	5.2	189	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.559	-22.1#	246#	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	189	0.00
105	T	Benzo(a)anthracene	1.284	1.226	4.5	186	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.492	-5.1	199	0.00
107	T	Chrysene	1.259	1.142	9.3	179	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.812	-27.1#	251#	0.00
109	T	Di-n-octylphthalate	0.979	1.365	-39.4#	260#	0.00
110	T	Benzo(b)fluoranthene	1.317	1.347	-2.3	196	0.00
111	T	Benzo(k)fluoranthene	1.202	1.121	6.7	166	0.00
112	T	Benzo(a)pyrene	1.149	1.159	-0.9	186	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	189	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	0.998	10.7	165	0.00
115	T	Dibenzo(a,h)anthracene	1.068	1.017	4.8	178	0.00
116	T	Benzo(ghi)perylene	1.078	0.980	9.1	175	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.652	152	31987	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	4.904	136	122680	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	6.587	164	82429	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	7.975	188	192675	4.000	ug/ml	#	0.00
104) IS1_Chrysene-d12	10.487	240	210015	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	11.834	264	248461	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.258	112	40482	4.820	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 241.00%#				
7) Phenol-d6	3.381	99	51930	4.787	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.35%#				
19) Nitrobenzene-d5	4.216	82	50965	4.925	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.50%#				
46) 2-Fluorobiphenyl	5.993	172	131649	4.746	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 474.60%#				
79) 2,4,6-Tribromophenol	7.340	330	29994	5.669	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 283.45%#				
96) 4-Terphenyl-d14	9.545	244	234977	4.742	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 474.20%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.022	74	26103	4.967	ug/ml		93
3) Pyridine	1.040	79	40562	4.865	ug/ml		85
5) Aniline	3.322	93	65645	4.533	ug/ml		99
6) 2-Chlorophenol	3.440	128	47210	4.721	ug/ml		100
8) Phenol	3.393	94	54877	4.352	ug/ml		98
9) Bis(2-chloroethyl)ether	3.434	93	43803	4.693	ug/ml	#	78
10) 1,3-Dichlorobenzene	3.587	146	55723	4.620	ug/ml		96
11) 1,4-Dichlorobenzene	3.663	146	56814	4.512	ug/ml		97
12) 1,2-Dichlorobenzene	3.816	146	54720	4.638	ug/ml		96
13) Benzyl alcohol	3.840	79	39038	5.168	ug/ml		99
14) Bis(2-chloroisopropyl)...	3.993	45	59826	5.073	ug/ml	#	63
15) 2-Methylphenol	4.005	108	41784	4.946	ug/ml		99
16) Hexachloroethane	4.146	117	21661	4.857	ug/ml	#	64
17) n-Nitrosodi-n-propylamine	4.122	70	34935	5.049	ug/ml		97
18) 3-Methylphenol/4-Methy...	4.175	108	45824	4.981	ug/ml		98
20) Nitrobenzene	4.234	77	50863	4.933	ug/ml		99
21) Isophorone	4.493	82	94439	5.073	ug/ml		100
22) 2-Nitrophenol	4.557	139	27620	6.014	ug/ml		93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.681	107	45274	5.141	ug/ml	100
24) Bis(2-chloroethoxy)met...	4.757	93	60202	4.804	ug/ml	98
25) 2,4-Dichlorophenol	4.810	162	46906	5.088	ug/ml	95
26) 1,2,4-Trichlorobenzene	4.875	180	53001	4.540	ug/ml	96
36) Naphthalene	4.928	128	147222	4.578	ug/ml	99
37) Benzoic Acid	4.799	105	38906	6.386	ug/ml	99
38) 4-Chloroaniline	5.022	65	18590	5.144	ug/ml	95
39) Hexachlorobutadiene	5.099	225	35264	4.678	ug/ml	98
40) p-Chloro-m-cresol	5.551	107	47153	5.553	ug/ml	95
41) 2-Methylnaphthalene	5.604	142	102606	4.691	ug/ml	98
42) 1-Methylnaphthalene	5.693	115	34674	4.609	ug/ml	96
43) Hexachlorocyclopentadiene	5.787	237	44081	5.729	ug/ml	99
44) 2,4,6-Trichlorophenol	5.910	196	42045	5.345	ug/ml	98
45) 2,4,5-Trichlorophenol	5.940	196	46415	5.767	ug/ml	99
47) 2-Chloronaphthalene	6.063	162	109266	4.697	ug/ml	94
48) 2-Nitroaniline	6.193	138	36106	5.873	ug/ml	93
49) 1,4-Dinitrobenzene	6.328	168	19176	6.359	ug/ml	86
50) 1,3-Dinitrobenzene	6.404	168	21774	6.228	ug/ml	83
51) Dimethyl phthalate	6.416	163	148885	5.261	ug/ml	100
52) Acenaphthylene	6.446	152	174295	5.075	ug/ml	98
53) 2,6-Dinitrotoluene	6.446	165	31878	6.023	ug/ml#	83
54) 1,2-Dinitrobenzene	6.475	168	13371	5.739	ug/ml#	3
64) 3-Nitroaniline	6.587	138	33814	5.492	ug/ml#	94
65) Acenaphthene	6.616	154	103448	4.503	ug/ml	98
66) 2,4-Dinitrophenol	6.687	184	24061	7.021	ug/ml#	83
67) Dibenzofuran	6.787	168	171871	4.540	ug/ml	93
68) 2,4-Dinitrotoluene	6.816	165	46173	5.845	ug/ml#	78
69) 4-Nitrophenol	6.816	65	28724	4.815	ug/ml	98
70) 2,3,5,6-Tetrachlorophenol	6.893	232	45951	5.921	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	6.928	232	42964	5.635	ug/ml	100
72) Diethyl phthalate	7.098	149	155515	5.077	ug/ml	98
73) Fluorene	7.104	166	137930	4.678	ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.151	204	73384	4.568	ug/ml#	84
75) 4-Nitroaniline	7.157	138	35220	5.437	ug/ml	96
76) 4,6-Dinitro-o-cresol	7.198	198	32406	6.336	ug/ml#	73
77) NDPA/DPA	7.269	169	123497	4.870	ug/ml	97
78) Azobenzene	7.293	77	129373M6	4.810	ug/ml	
80) 4-Bromophenyl phenyl e...	7.604	248	50667	4.922	ug/ml#	83
81) Hexachlorobenzene	7.628	284	61506	4.756	ug/ml#	61
82) Pentachlorophenol	7.834	266	41194	6.203	ug/ml	97
89) Phenanthrene	7.998	178	226929	4.453	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : ABN0909.D
Acq On : 09 Sep 2024 01:23 pm
Operator : SV112:ljg
Sample : WG1969270-3,32,,ABN 10908 HNY0826C
Misc : WG1969270,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 06:32:34 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 13:46:56 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	8.045	178	231287	4.638	ug/ml	99
91) Carbazole	8.234	167	216714	4.746	ug/ml	99
92) Di-n-butylphthalate	8.663	149	281519	5.652	ug/ml	99
93) Fluoranthene	9.122	202	283754M3	4.798	ug/ml	
94) Benzidine	9.304	184	184565	5.676	ug/ml	97
95) Pyrene	9.322	202	301597	4.811	ug/ml	98
97) Butyl benzyl phthalate	10.069	149	134569	6.106	ug/ml	91
105) Benzo(a)anthracene	10.475	228	321792	4.772	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.510	252	129105	5.256	ug/ml#	98
107) Chrysene	10.510	228	299874	4.536	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	10.681	149	213053	6.353	ug/ml	100
109) Di-n-octylphthalate	11.316	149	358457	6.975	ug/ml#	94
110) Benzo(b)fluoranthene	11.498	252	353648	5.113	ug/ml#	95
111) Benzo(k)fluoranthene	11.522	252	294195M3	4.660	ug/ml	
112) Benzo(a)pyrene	11.781	252	304179	5.040	ug/ml#	96
114) Indeno(1,2,3-cd)pyrene	12.745	276	309976M3	4.462	ug/mL	
115) Dibenzo(a,h)anthracene	12.781	278	315928	4.762	ug/ml#	93
116) Benzo(ghi)perylene	12.951	276	304406	4.547	ug/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
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Sample : WG1969270-3,32,,ABN 10908 HNY0826C
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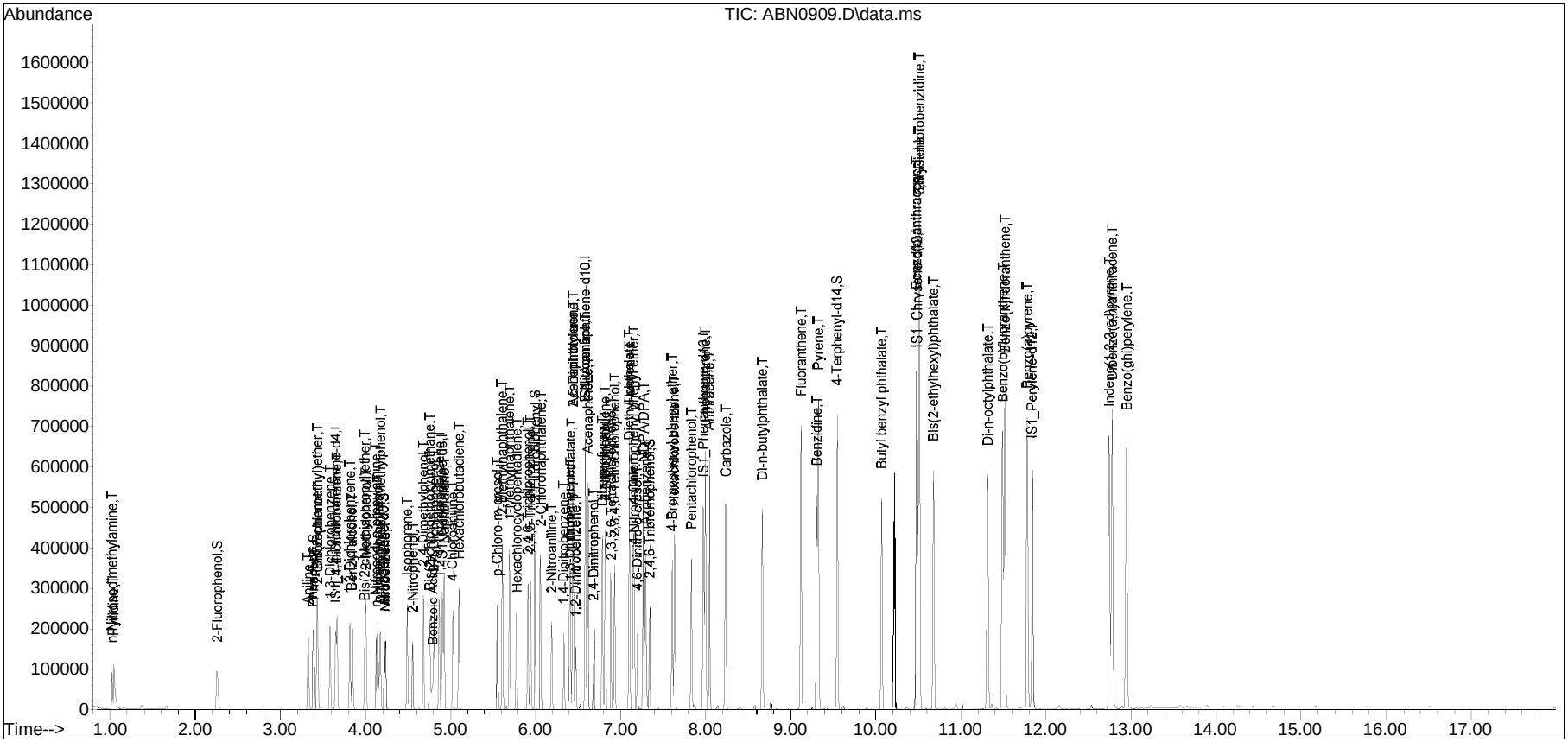
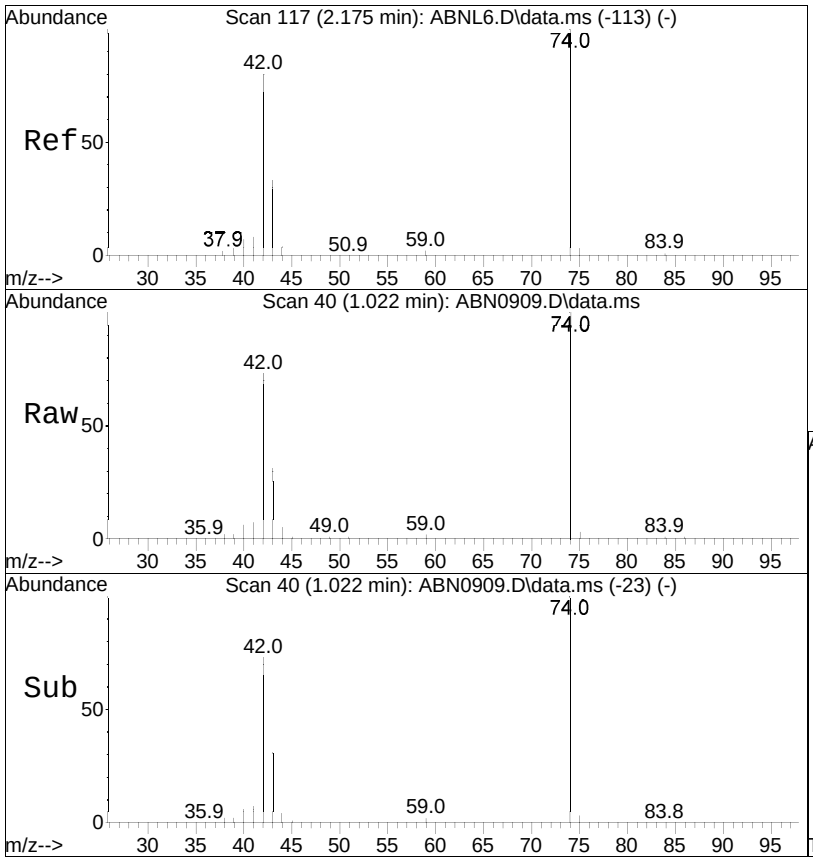
Sub List : ABNical - ABN ical sublist

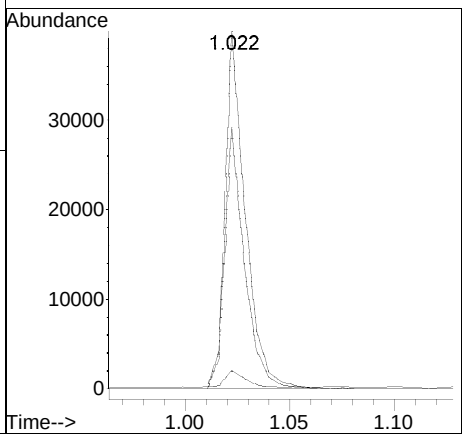


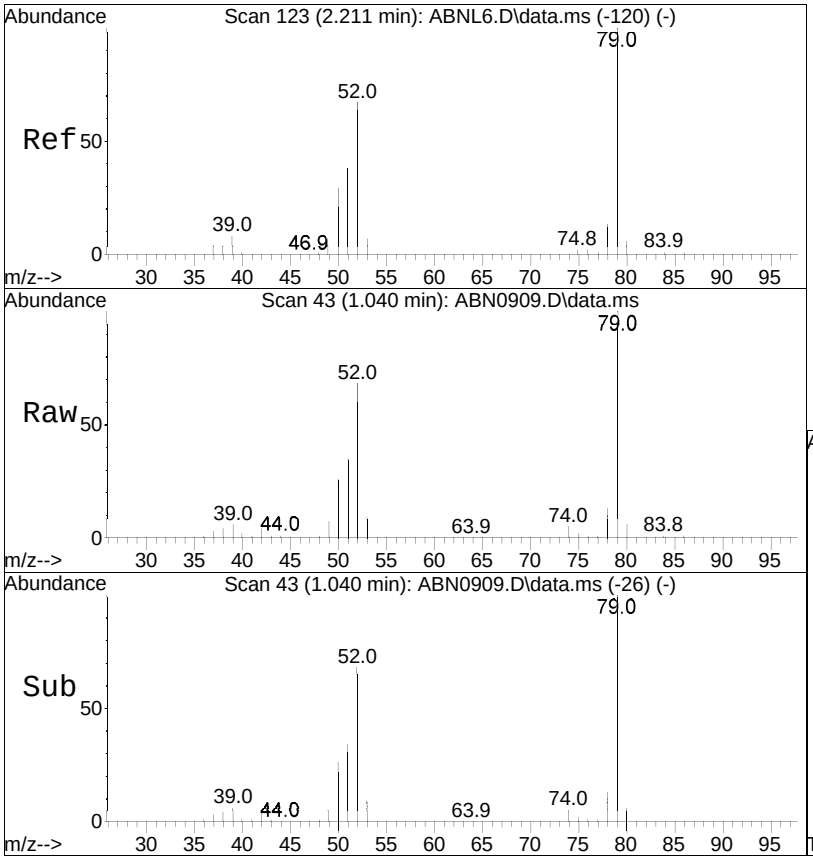


#2
n-Nitrosodimethylamine
Concen: 4.97 ug/ml
RT: 1.022 min Scan# 40
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 74 Resp: 26103

Ion	Ratio	Lower	Upper
74	100		
42	72.9	63.8	95.8
44	5.1	4.3	6.5

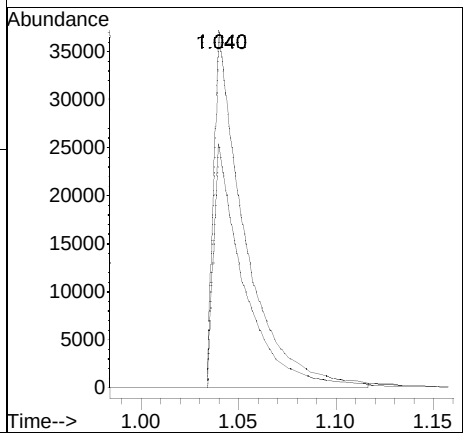


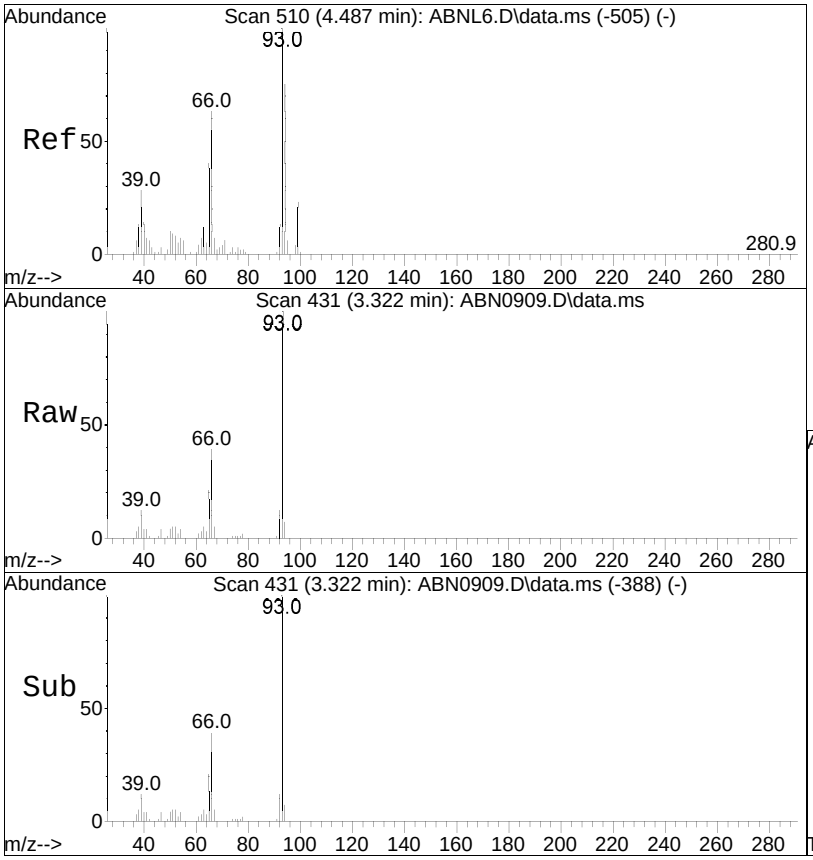


#3
Pyridine
Concen: 4.87 ug/ml
RT: 1.040 min Scan# 43
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 79 Resp: 40562

Ion	Ratio	Lower	Upper
79	100		
52	67.5	64.6	96.8

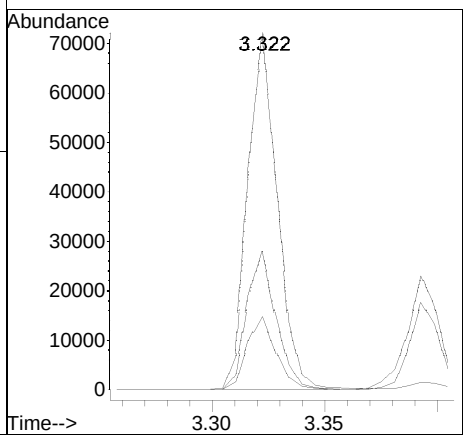


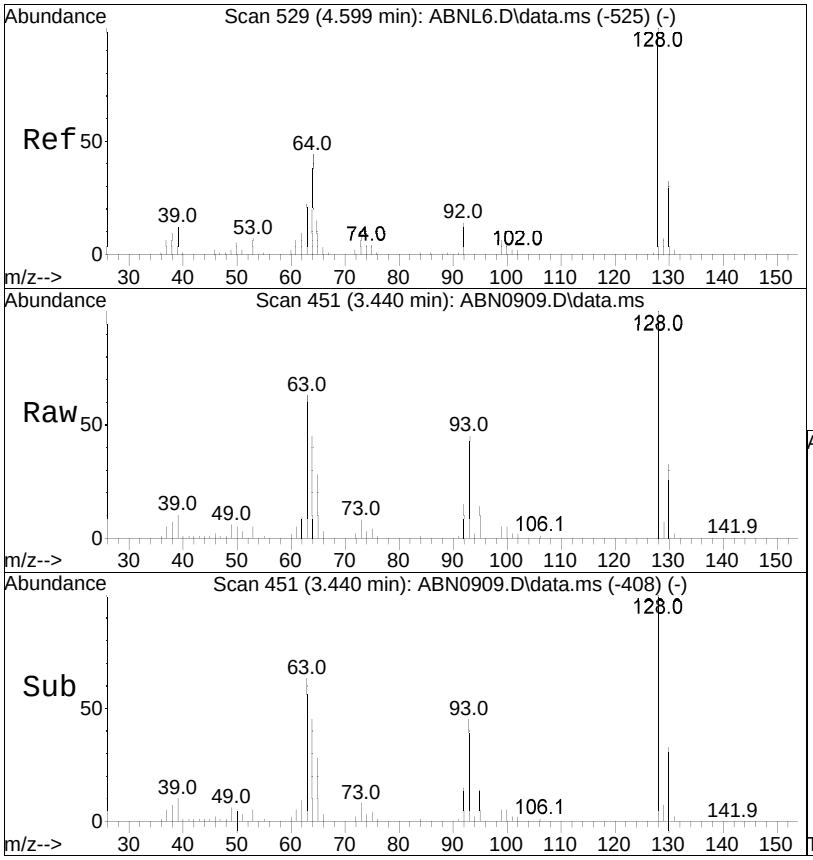


#5
Aniline
Concen: 4.53 ug/ml
RT: 3.322 min Scan# 431
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 93 Resp: 65645

Ion	Ratio	Lower	Upper
93	100		
66	38.6	31.3	46.9
65	20.1	16.6	25.0

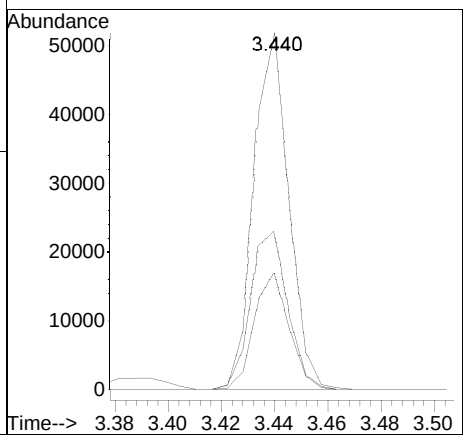


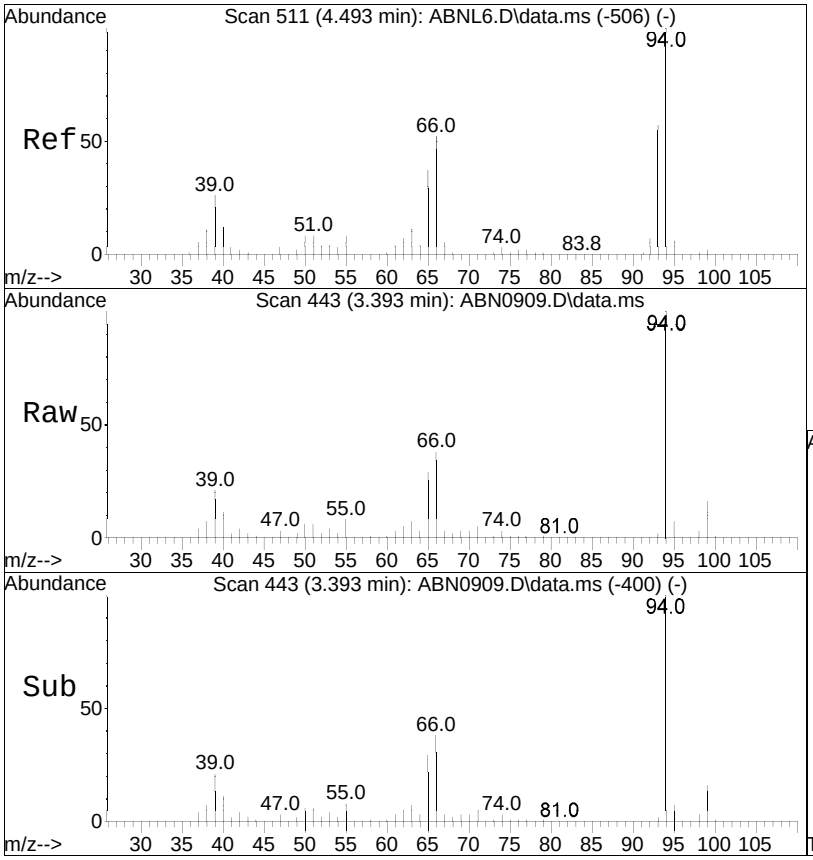


#6
2-Chlorophenol
Concen: 4.72 ug/ml
RT: 3.440 min Scan# 451
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:128 Resp: 47210

Ion	Ratio	Lower	Upper
128	100		
64	47.4	38.2	57.4
130	32.7	26.2	39.2

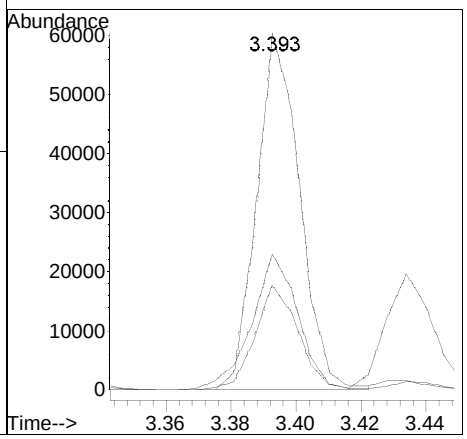


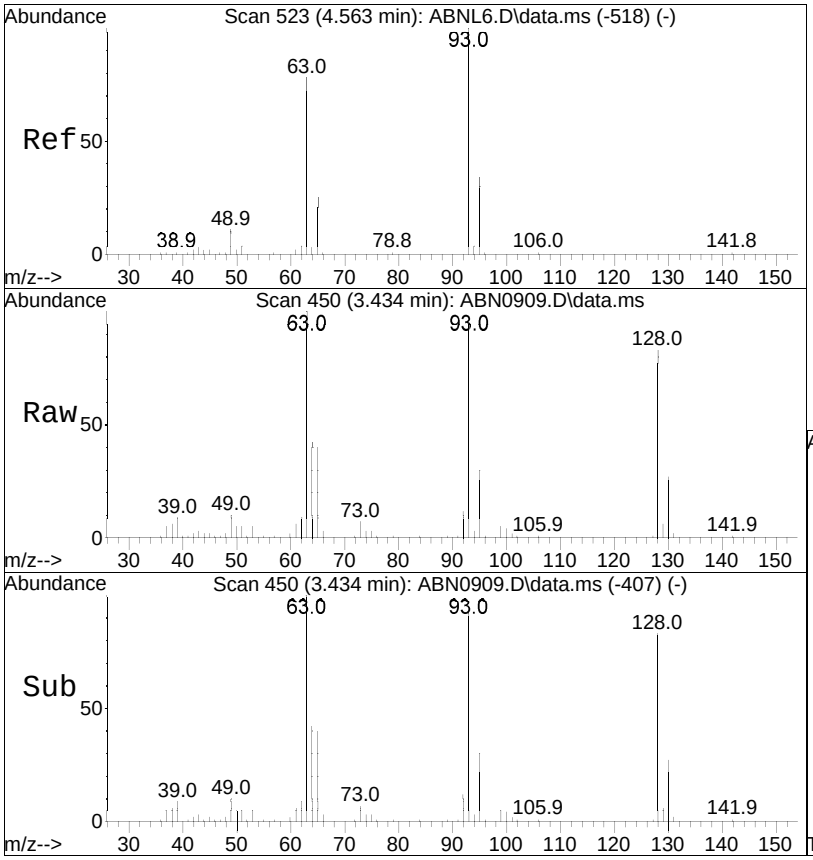


#8
Phenol
Concen: 4.35 ug/ml
RT: 3.393 min Scan# 443
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 94 Resp: 54877

Ion	Ratio	Lower	Upper
94	100		
65	29.8	23.0	34.6
66	41.4	32.1	48.1

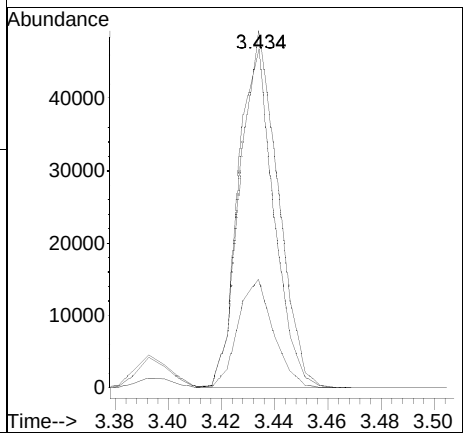


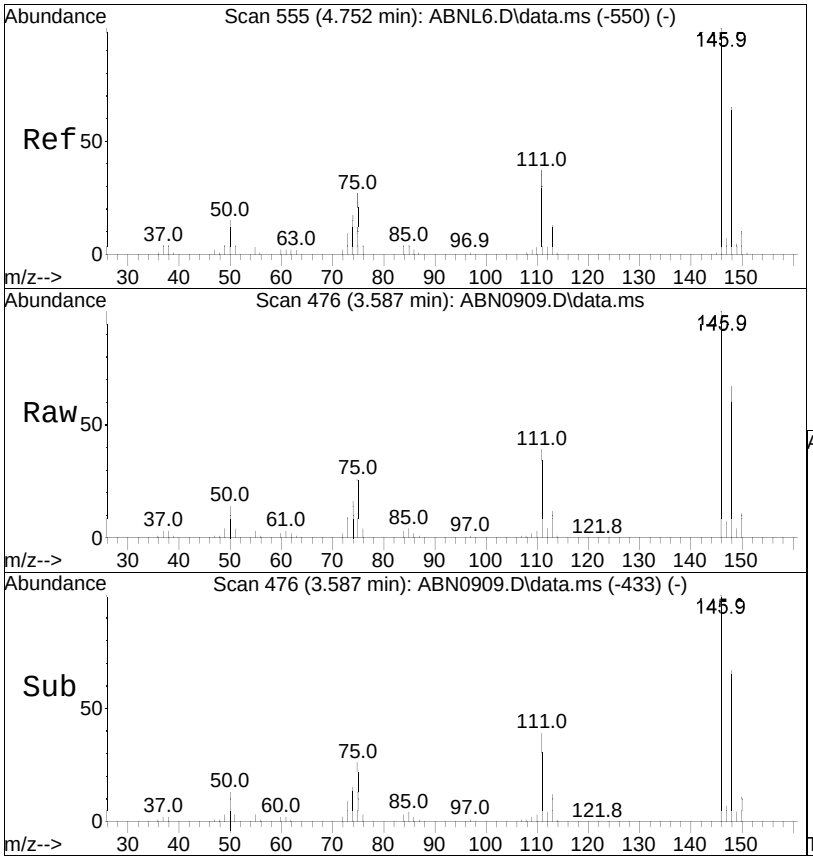


#9
Bis(2-chloroethyl)ether
Concen: 4.69 ug/ml
RT: 3.434 min Scan# 450
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 93 Resp: 43803

Ion	Ratio	Lower	Upper
93	100		
63	110.8	67.0	100.4#
95	32.0	26.1	39.1

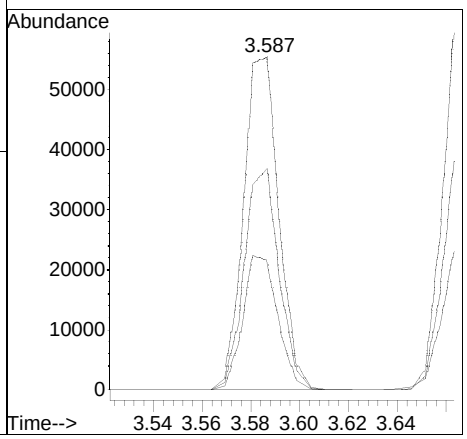


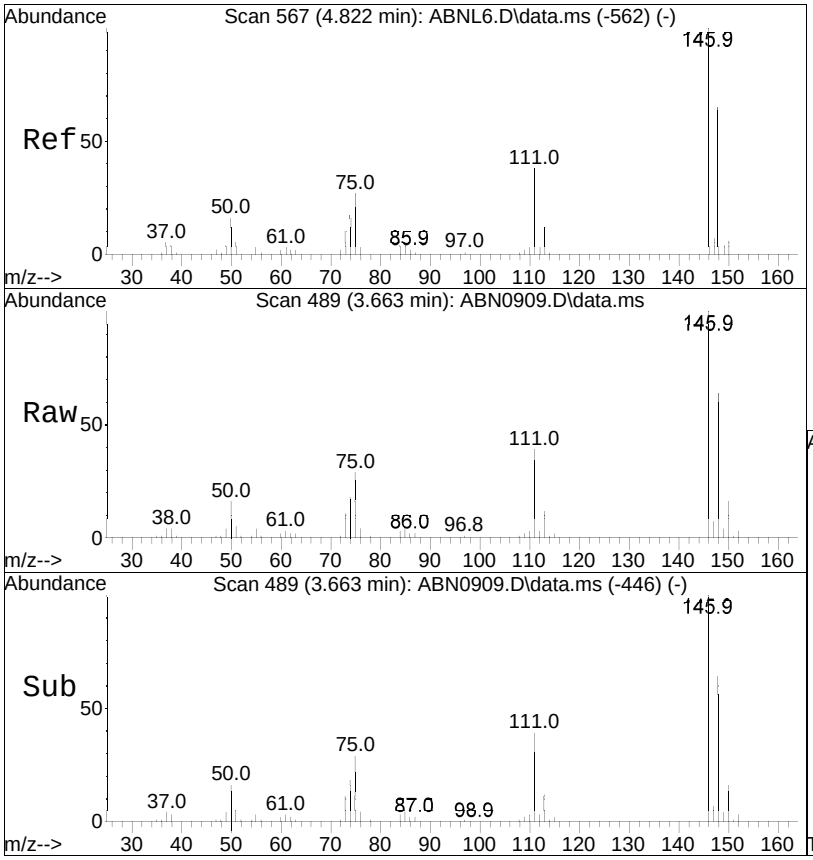


#10
1,3-Dichlorobenzene
Concen: 4.62 ug/ml
RT: 3.587 min Scan# 476
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:146 Resp: 55723

Ion	Ratio	Lower	Upper
146	100		
111	39.7	35.0	52.4
148	65.5	51.3	76.9

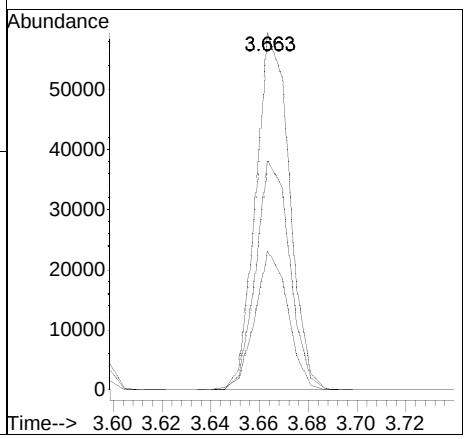


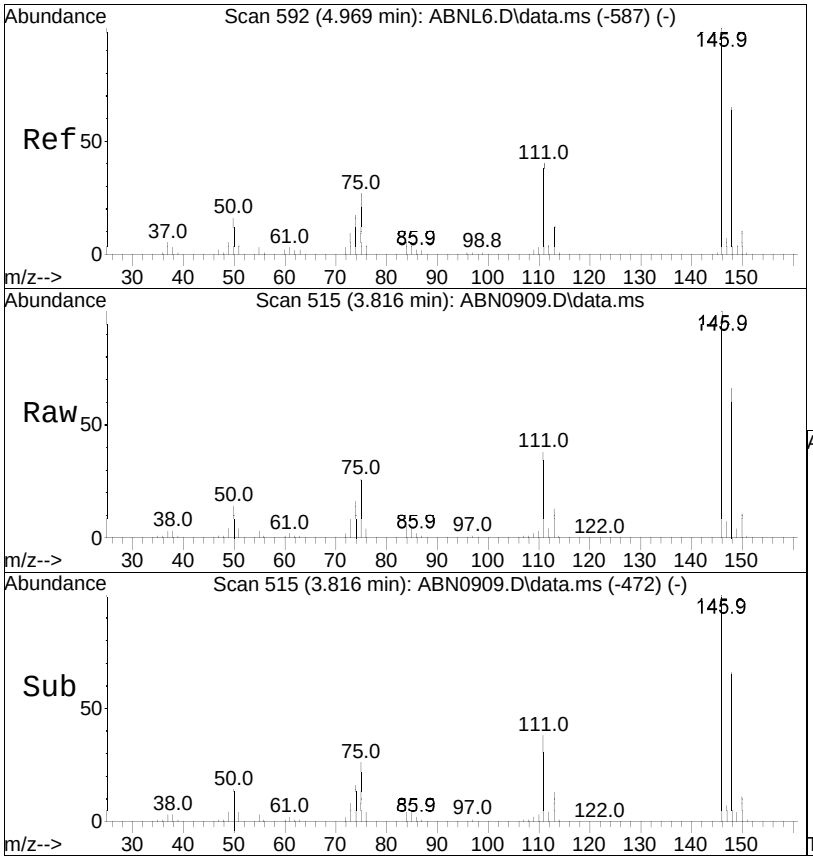


#11
1,4-Dichlorobenzene
Concen: 4.51 ug/ml
RT: 3.663 min Scan# 489
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:146 Resp: 56814

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
111	38.5	34.4	51.6

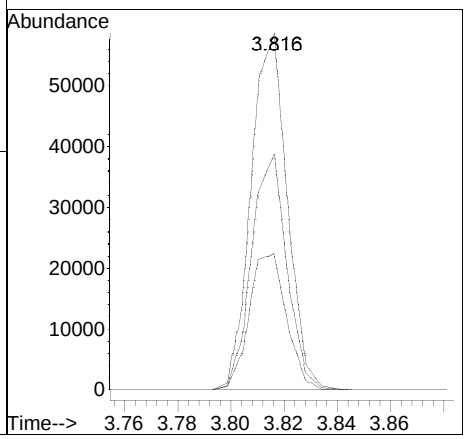


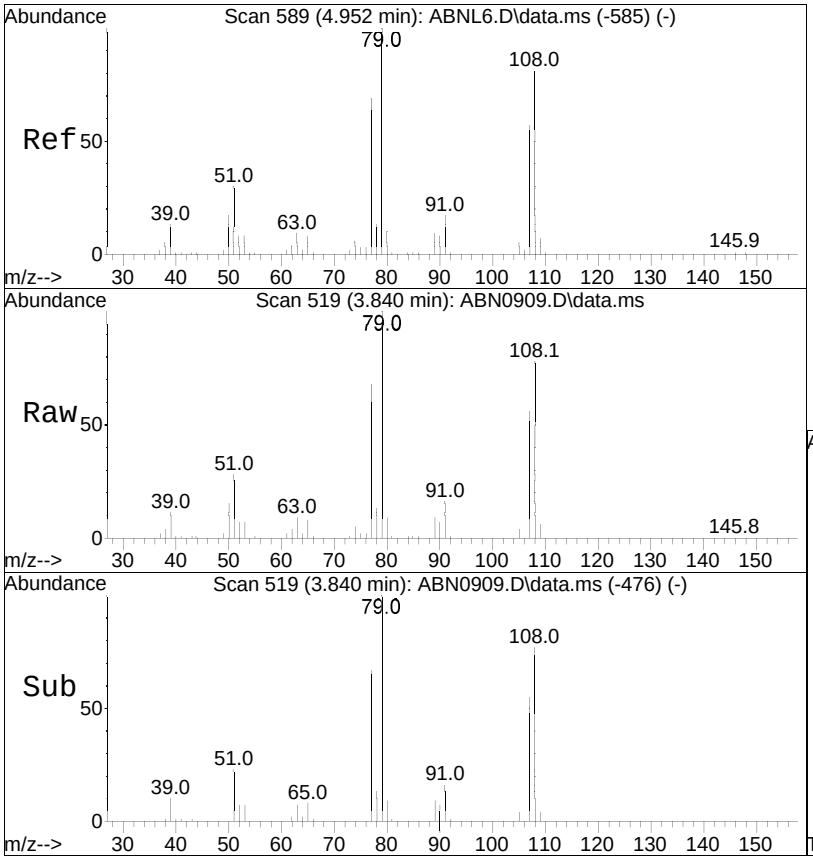


#12
1,2-Dichlorobenzene
Concen: 4.64 ug/ml
RT: 3.816 min Scan# 515
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:146 Resp: 54720

Ion	Ratio	Lower	Upper
146	100		
111	39.6	35.5	53.3
148	64.7	50.6	76.0

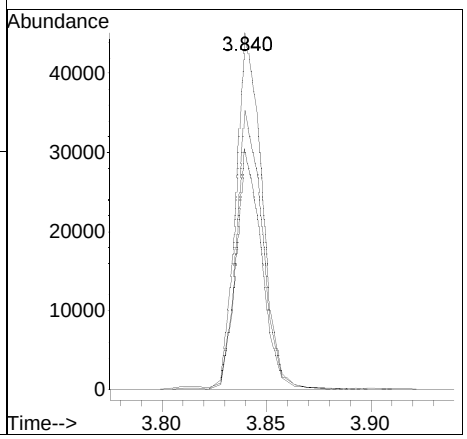


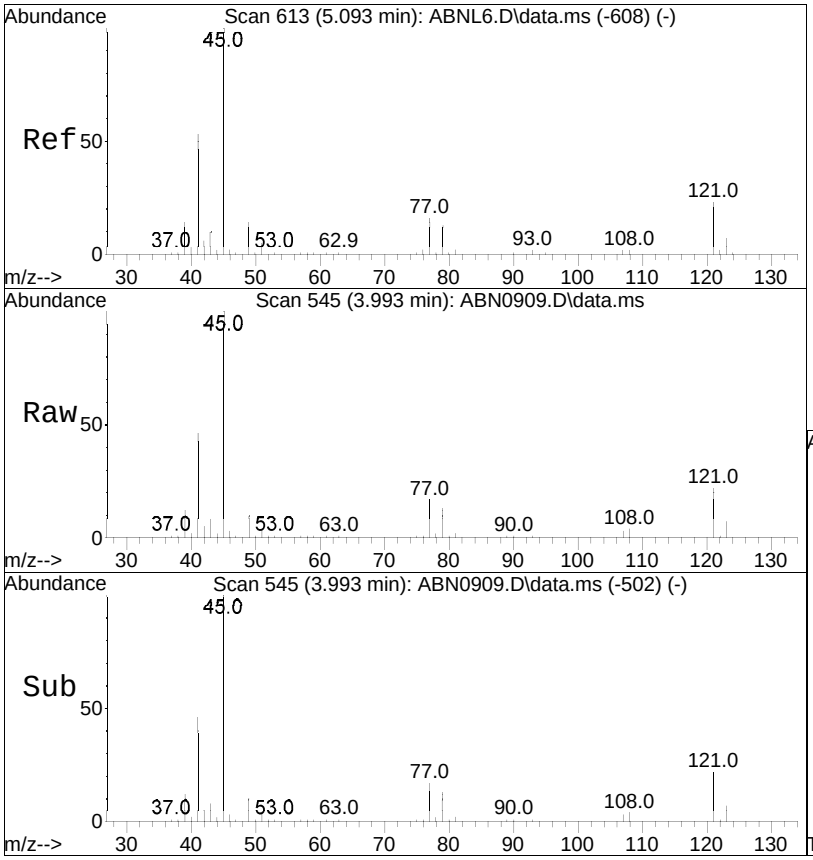


#13
Benzyl alcohol
Concen: 5.17 ug/ml
RT: 3.840 min Scan# 519
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 79 Resp: 39038

Ion	Ratio	Lower	Upper
79	100		
77	66.2	51.8	77.6
108	78.9	63.9	95.9

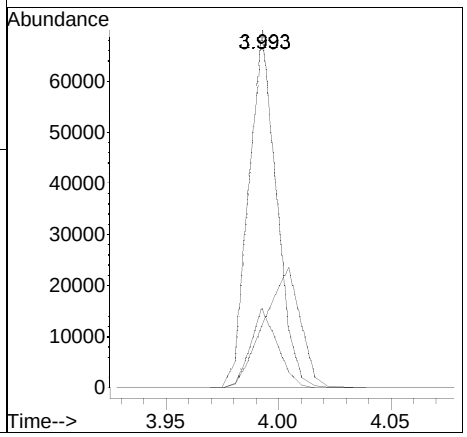


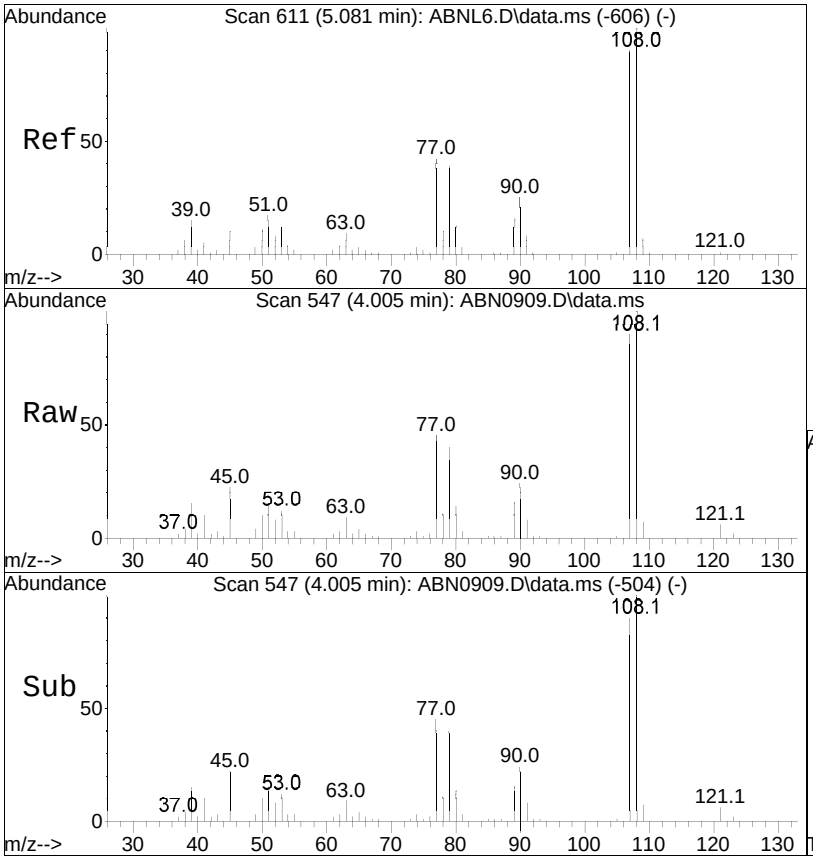


#14
Bis(2-chloroisopropyl)ether
Concen: 5.07 ug/ml
RT: 3.993 min Scan# 545
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 45 Resp: 59826

Ion	Ratio	Lower	Upper
45	100		
121	21.7	14.8	22.2
77	44.2	10.5	15.7#

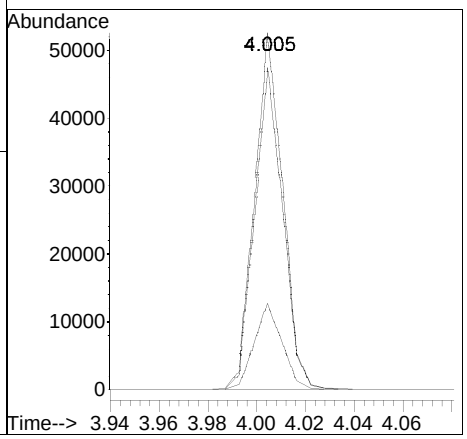


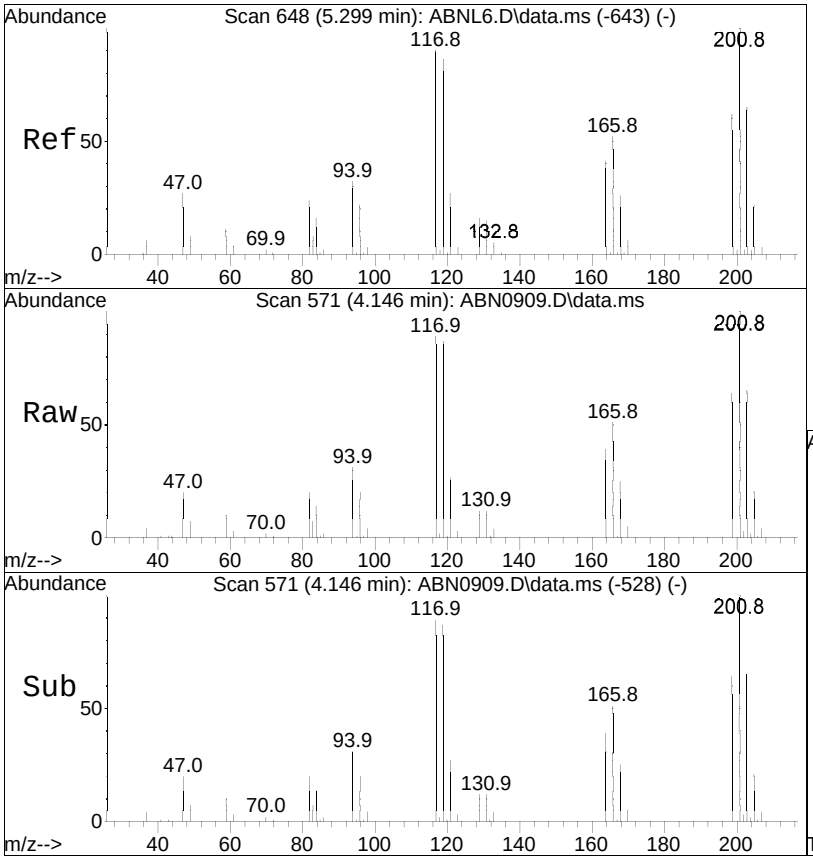


#15
2-Methylphenol
Concen: 4.95 ug/ml
RT: 4.005 min Scan# 547
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:108 Resp: 41784

Ion	Ratio	Lower	Upper
108	100		
107	89.6	71.0	106.4
90	23.9	19.7	29.5

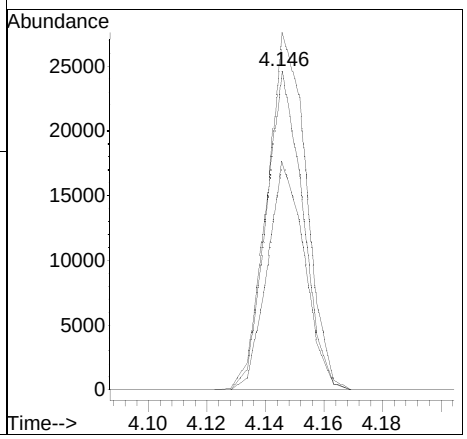


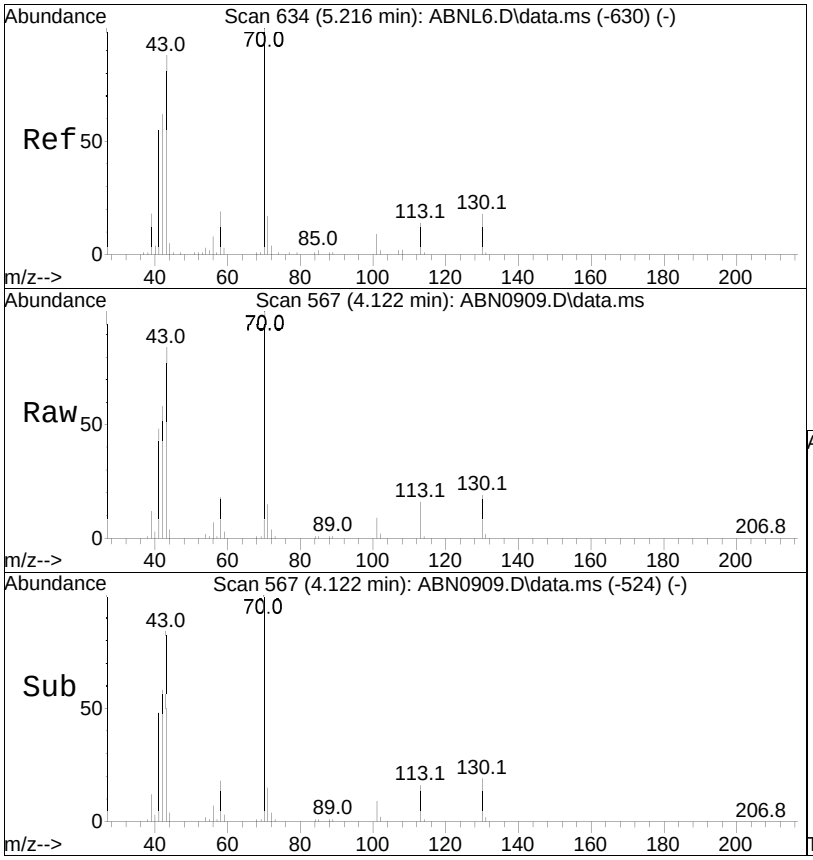


#16
Hexachloroethane
Concen: 4.86 ug/ml
RT: 4.146 min Scan# 571
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:117 Resp: 21661

Ion	Ratio	Lower	Upper
117	100		
201	116.0	64.4	96.6#
199	71.6	40.5	60.7#

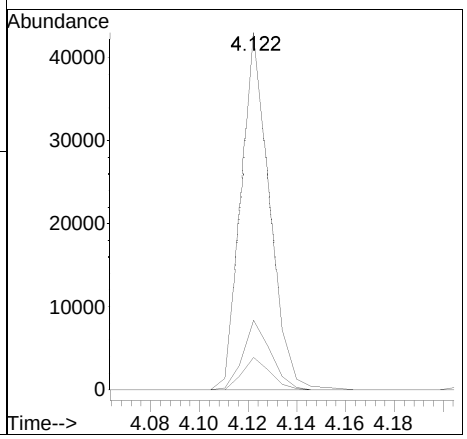


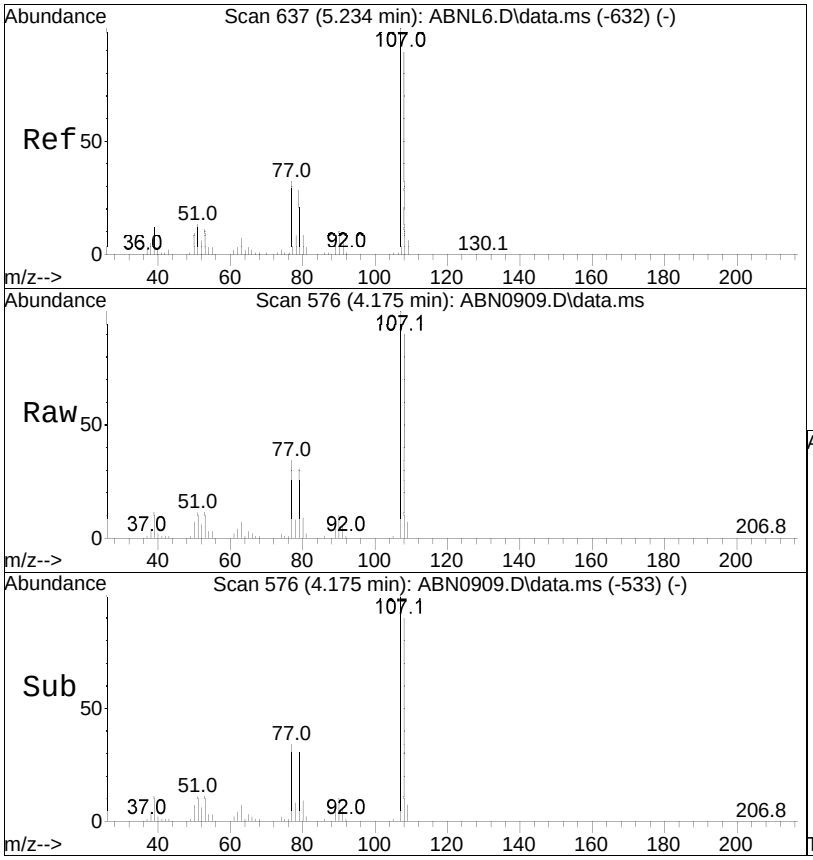


#17
n-Nitrosodi-n-propylamine
Concen: 5.05 ug/ml
RT: 4.122 min Scan# 567
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 70 Resp: 34935

Ion	Ratio	Lower	Upper
70	100		
130	18.8	16.2	24.4
101	8.8	7.6	11.4

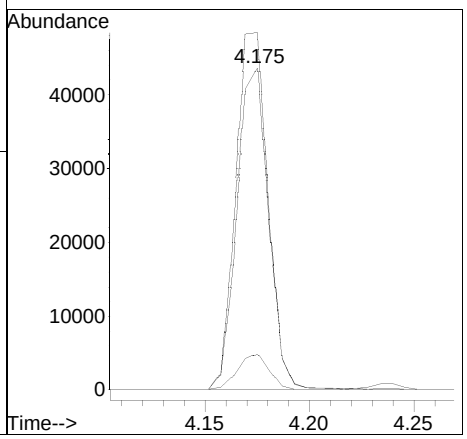


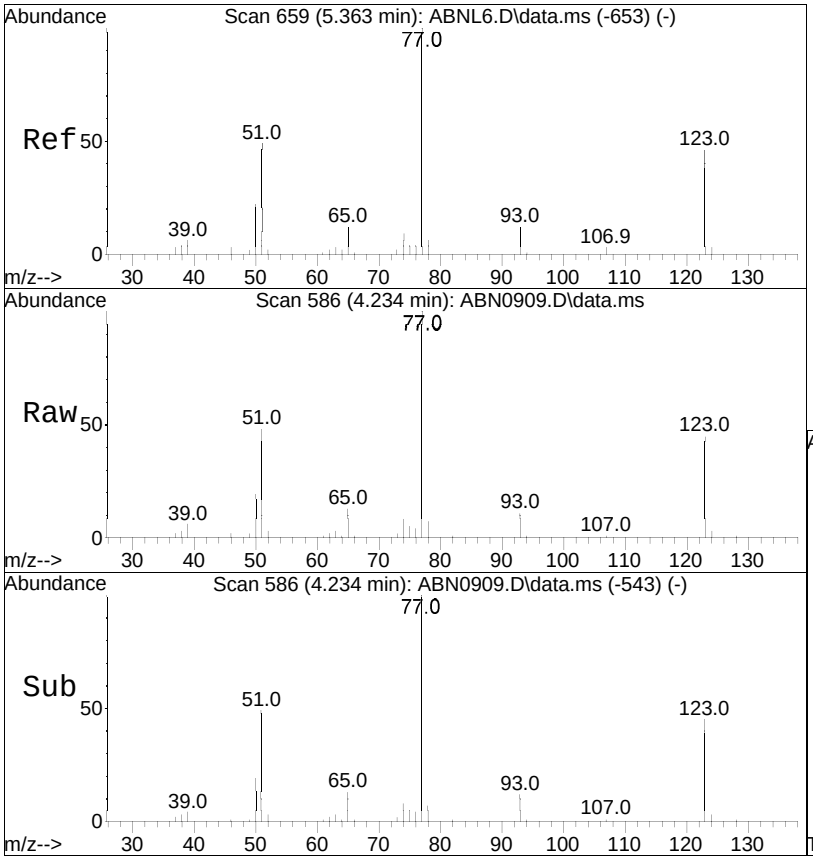


#18
3-Methylphenol/4-Methylphenol
Concen: 4.98 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:108 Resp: 45824

Ion	Ratio	Lower	Upper
108	100		
107	113.0	88.8	133.2
90	10.9	9.0	13.6

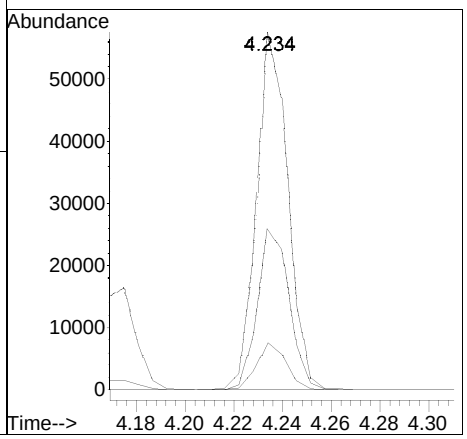


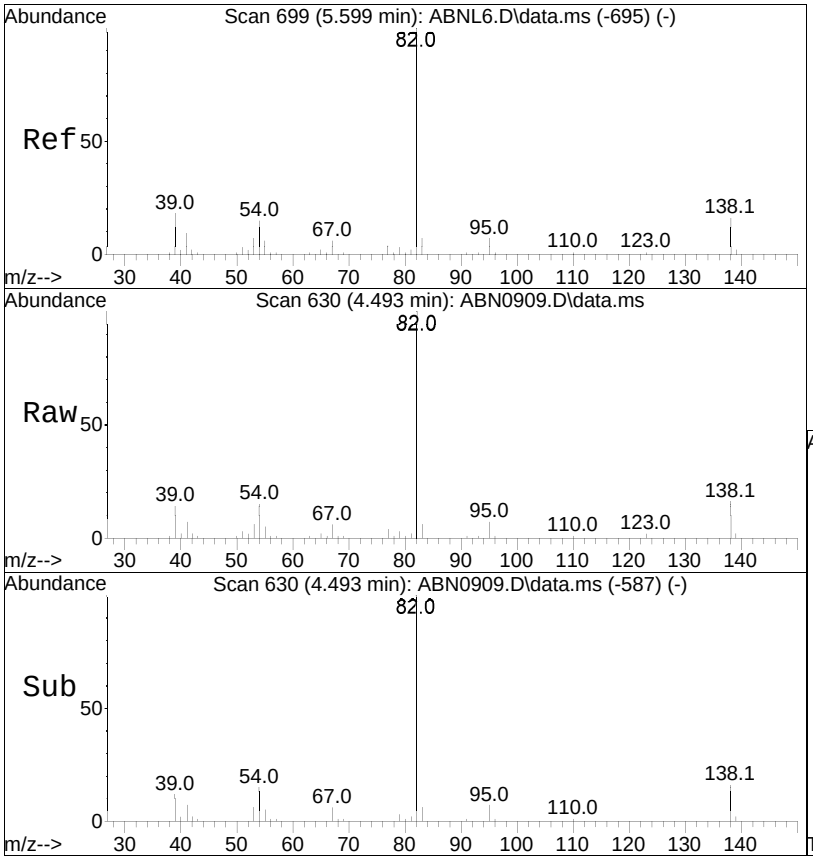


#20
Nitrobenzene
Concen: 4.93 ug/ml
RT: 4.234 min Scan# 586
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 77 Resp: 50863

Ion	Ratio	Lower	Upper
77	100		
123	46.1	37.3	55.9
65	12.7	10.9	16.3

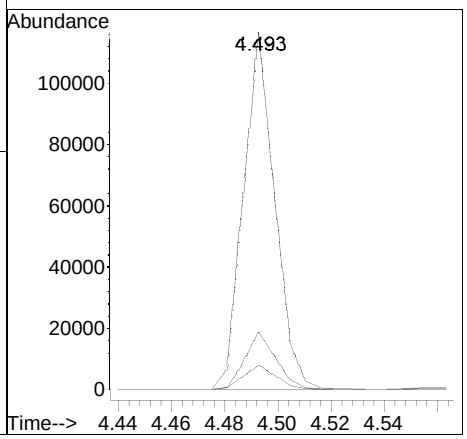


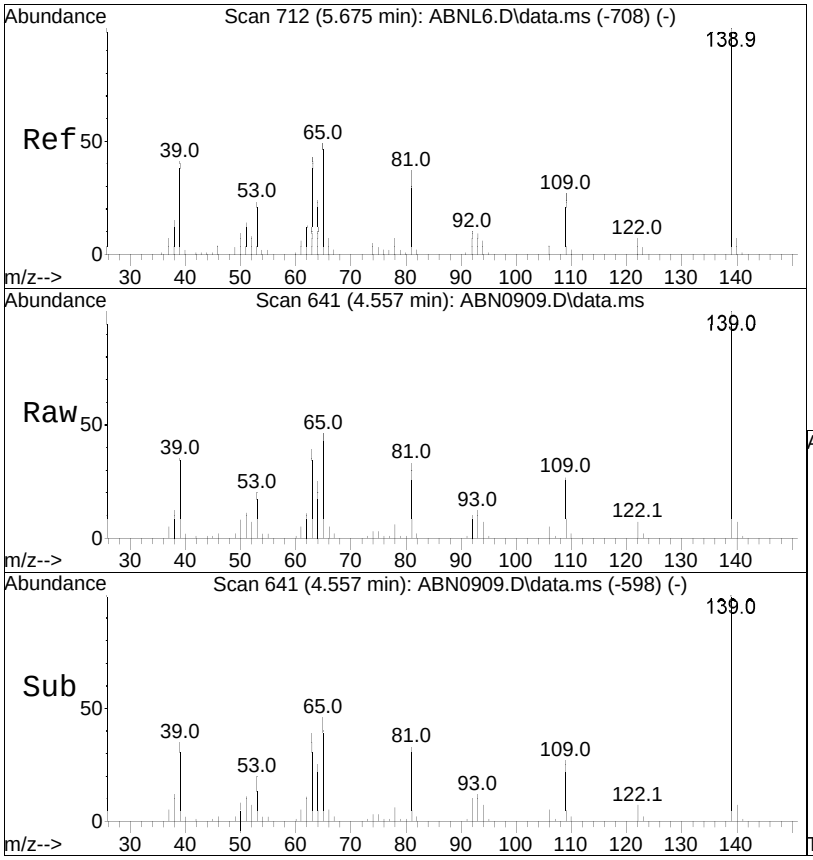


#21
Isophorone
Concen: 5.07 ug/ml
RT: 4.493 min Scan# 630
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 82 Resp: 94439

Ion	Ratio	Lower	Upper
82	100		
138	16.1	13.0	19.4
95	7.1	5.5	8.3

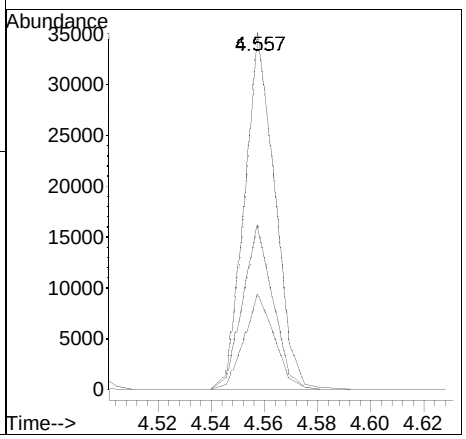


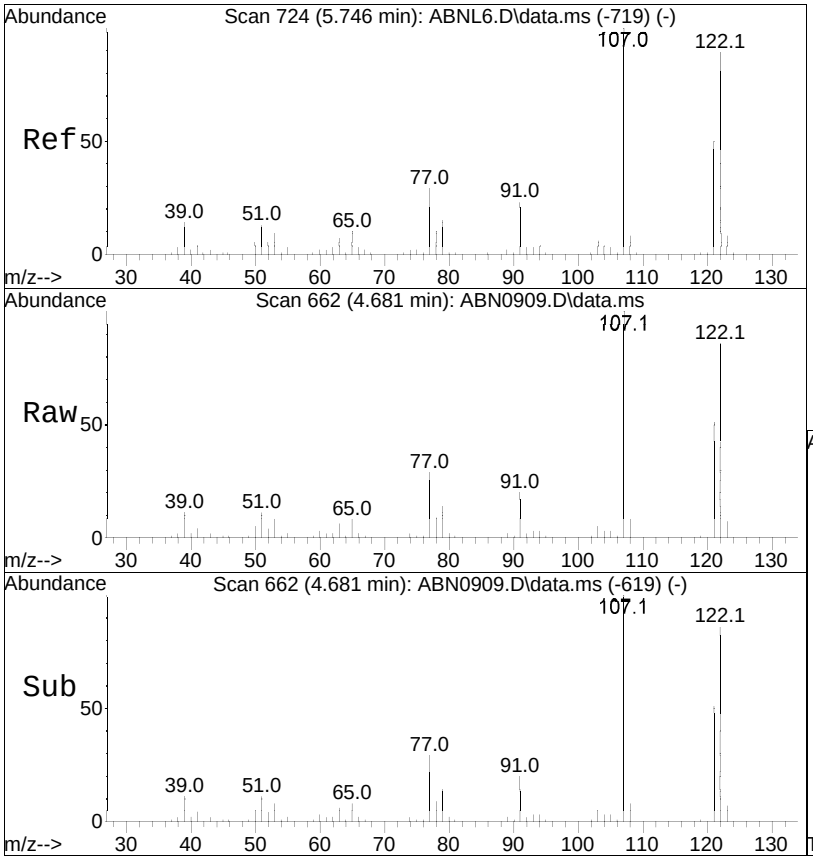


#22
2-Nitrophenol
Concen: 6.01 ug/ml
RT: 4.557 min Scan# 641
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:139 Resp: 27620

Ion	Ratio	Lower	Upper
139	100		
109	26.8	23.1	34.7
65	46.1	41.4	62.2

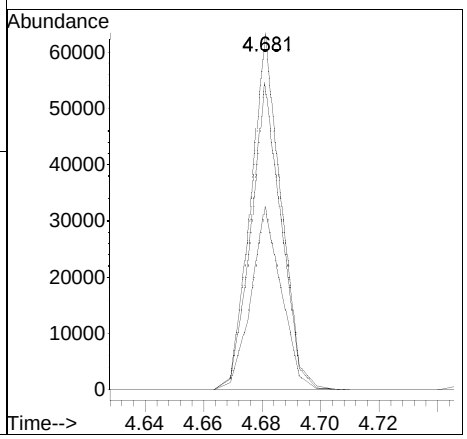


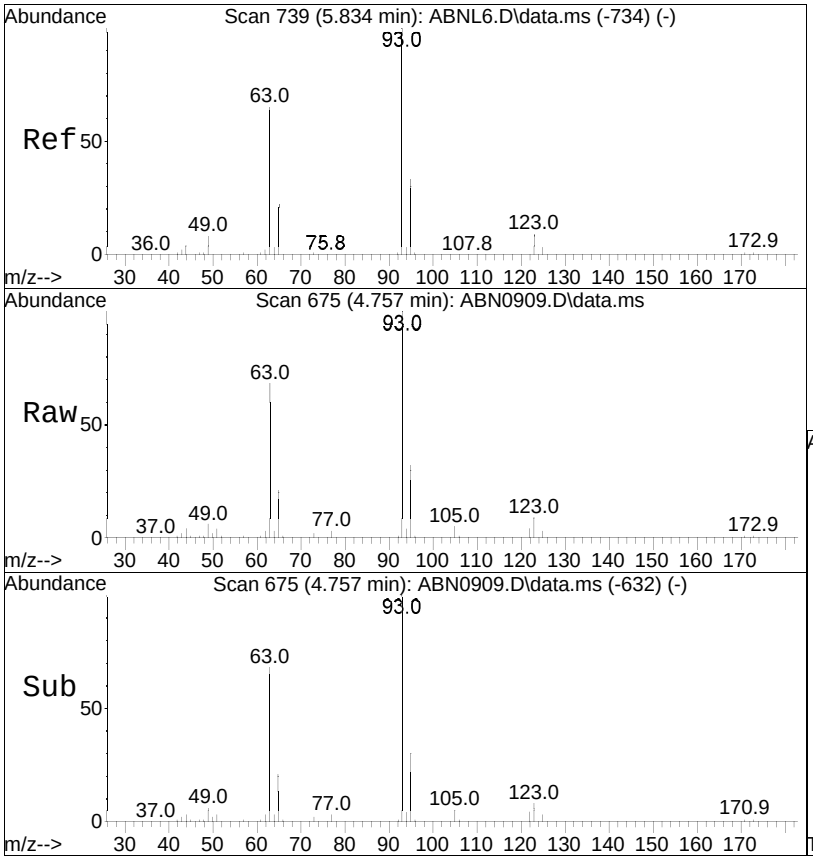


#23
2,4-Dimethylphenol
Concen: 5.14 ug/ml
RT: 4.681 min Scan# 662
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:107 Resp: 45274

Ion	Ratio	Lower	Upper
107	100		
121	51.7	41.3	61.9
122	86.2	69.3	103.9

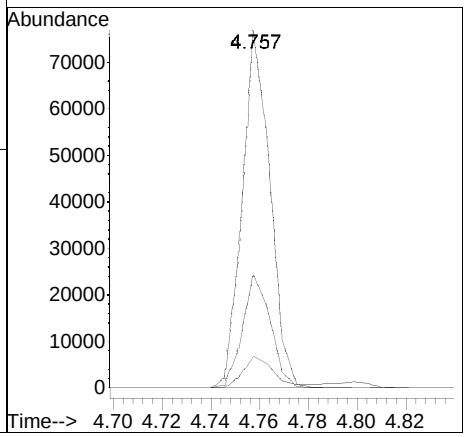


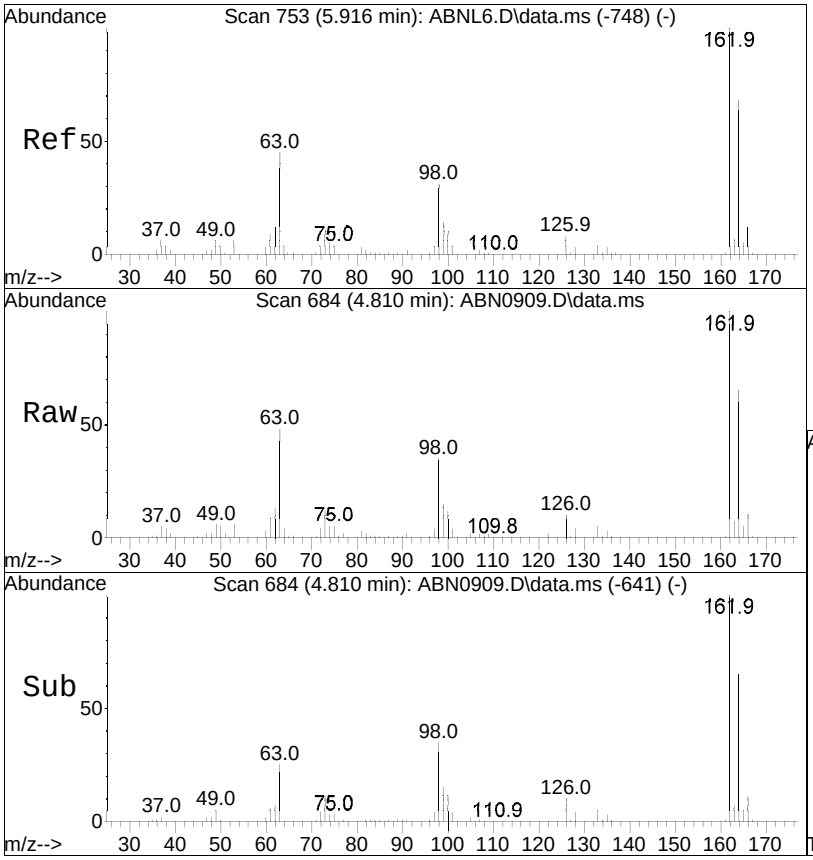


#24
Bis(2-chloroethoxy)methane
Concen: 4.80 ug/ml
RT: 4.757 min Scan# 675
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 93 Resp: 60202

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	10.2	9.6	14.4

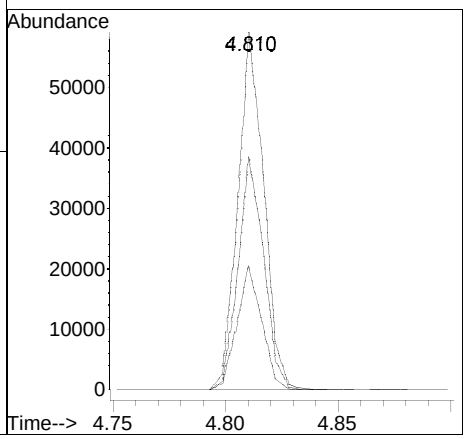


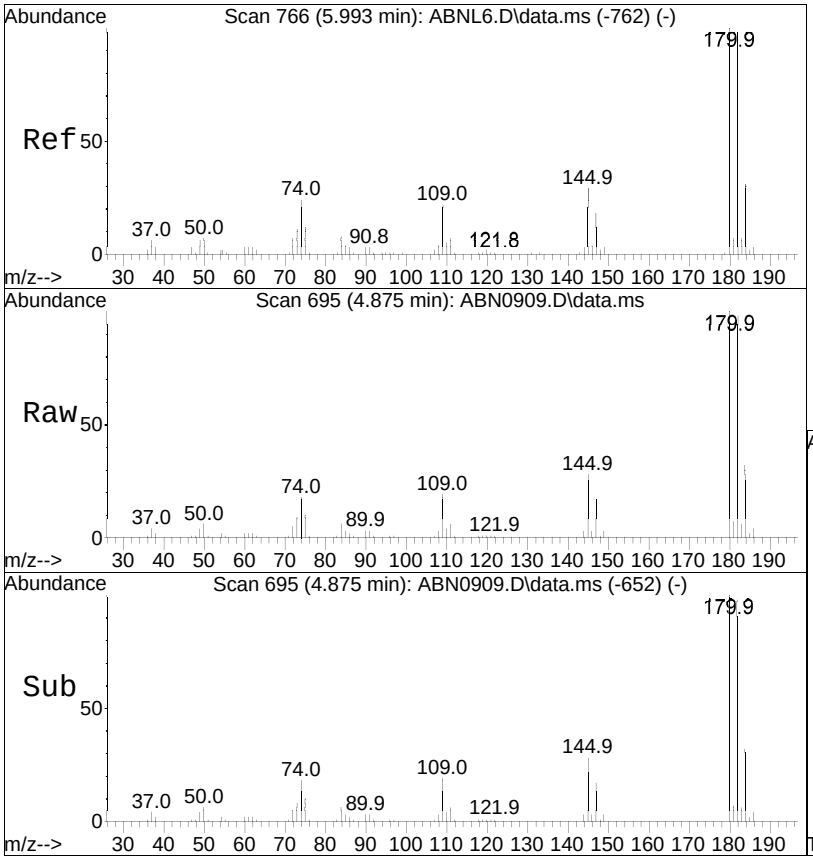


#25
2,4-Dichlorophenol
Concen: 5.09 ug/ml
RT: 4.810 min Scan# 684
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:162 Resp: 46906

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.1	76.7
98	33.4	32.2	48.2

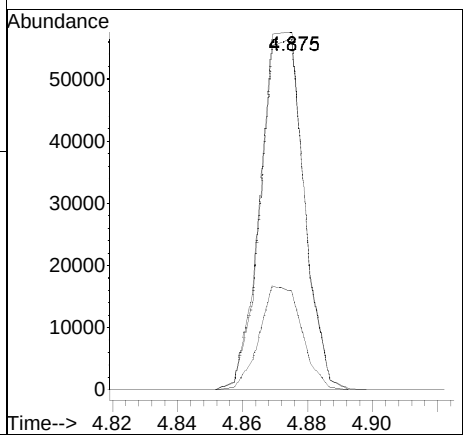


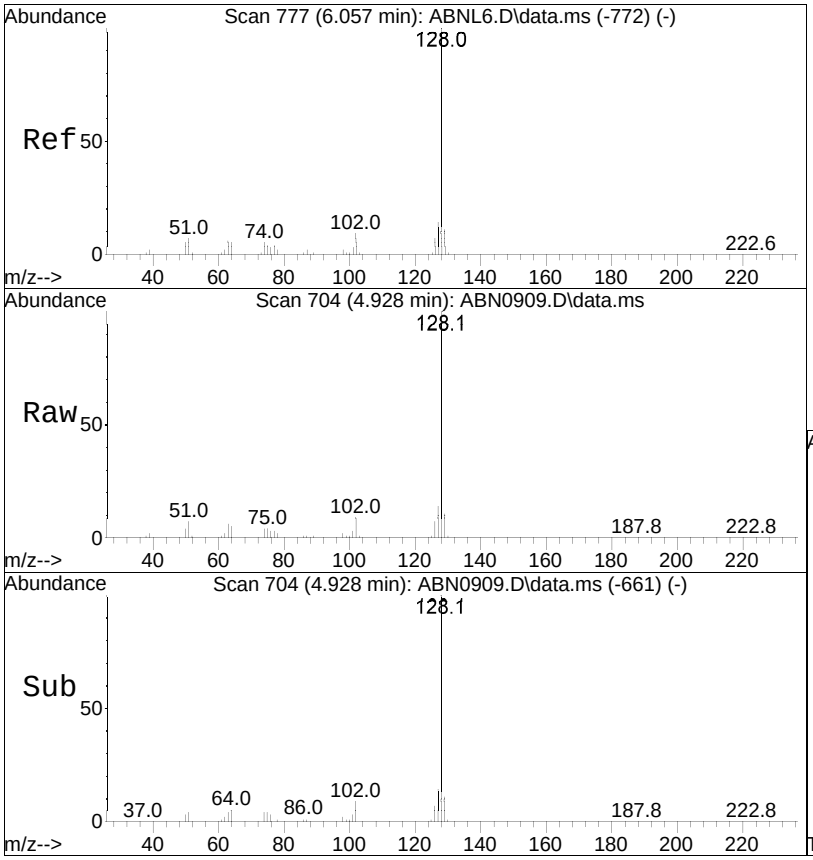


#26
1,2,4-Trichlorobenzene
Concen: 4.54 ug/ml
RT: 4.875 min Scan# 695
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:180 Resp: 53001

Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.8
145	28.3	26.3	39.5

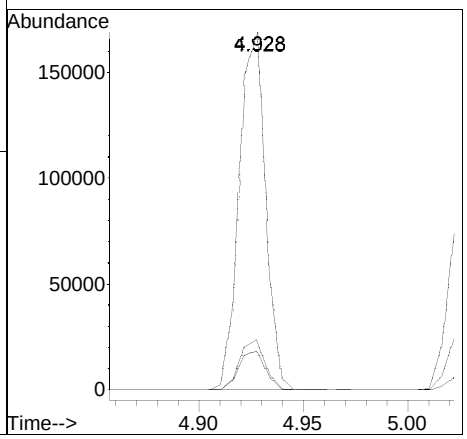


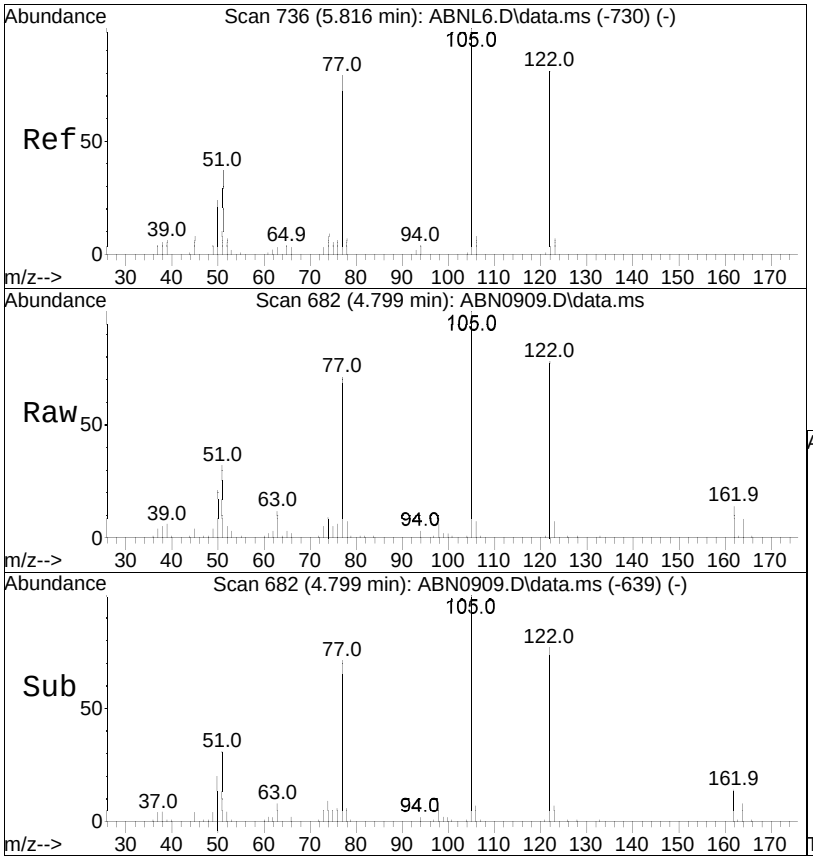


#36
Naphthalene
Concen: 4.58 ug/ml
RT: 4.928 min Scan# 704
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:128 Resp: 147222

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.7	10.6	15.8

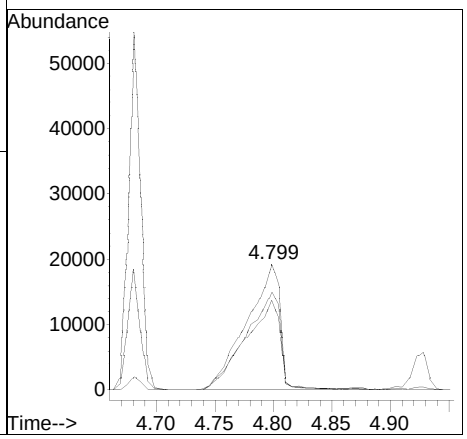


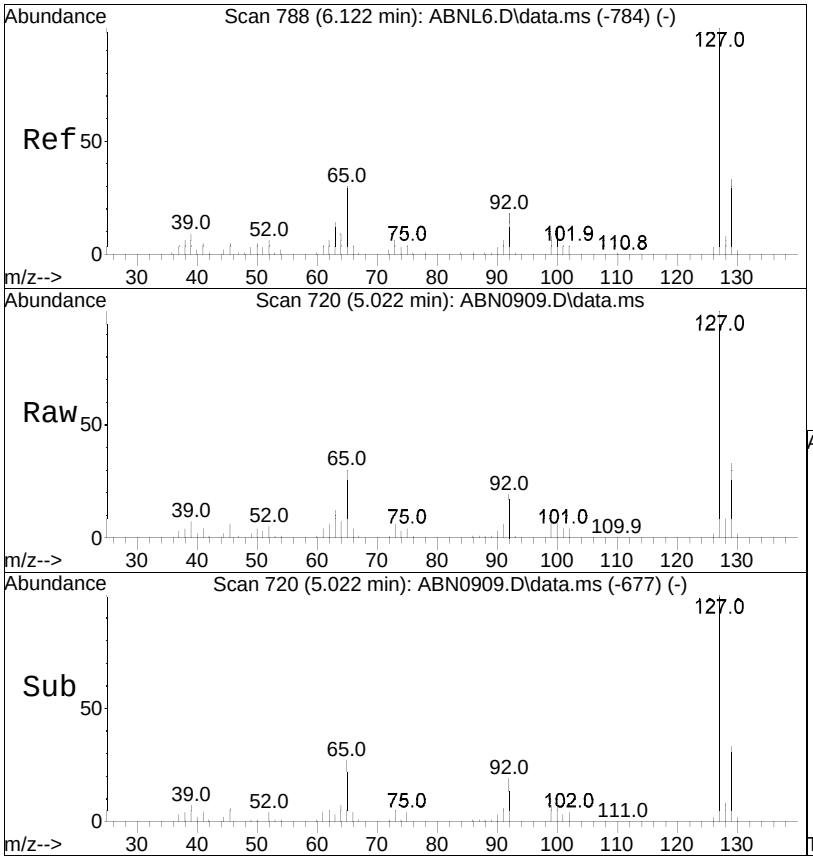


#37
Benzoic Acid
Concen: 6.39 ug/ml
RT: 4.799 min Scan# 682
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:105 Resp: 38906

Ion	Ratio	Lower	Upper
105	100		
122	80.3	62.6	93.8
77	74.2	59.1	88.7

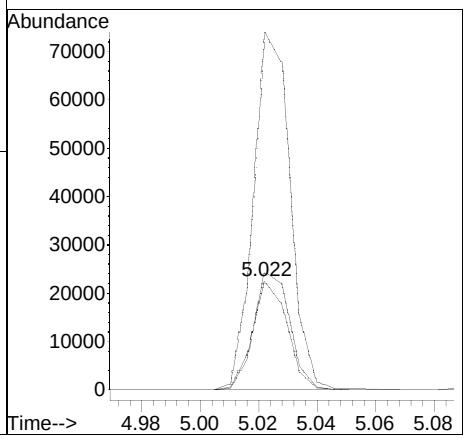


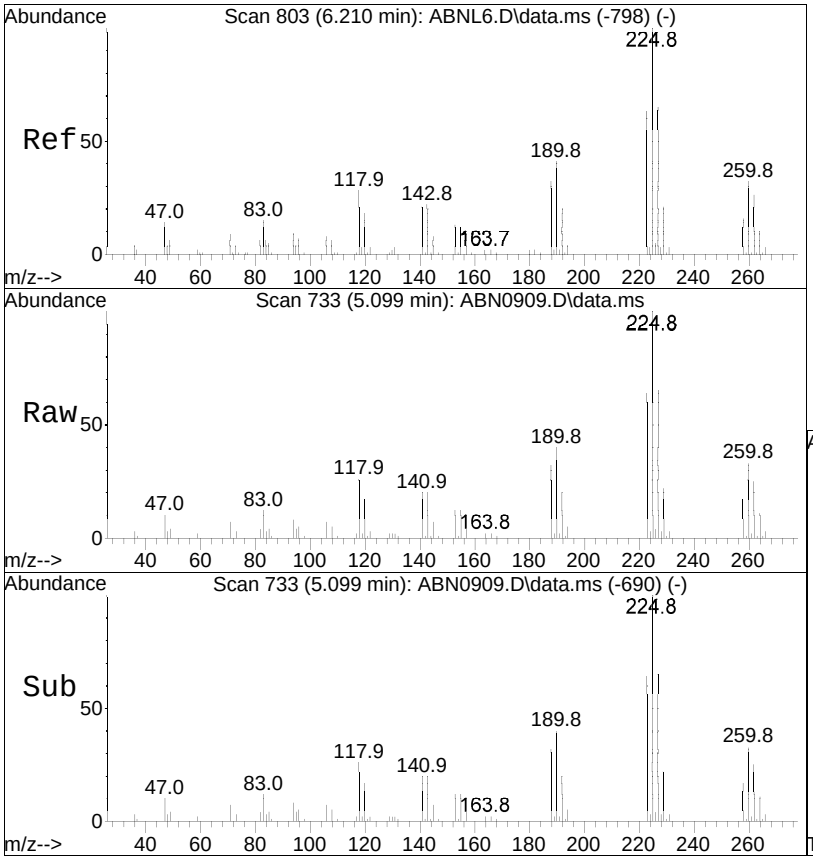


#38
4-Chloroaniline
Concen: 5.14 ug/ml
RT: 5.022 min Scan# 720
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 65 Resp: 18590

Ion	Ratio	Lower	Upper
65	100		
127	343.9	266.2	399.4
129	111.8	85.0	127.4

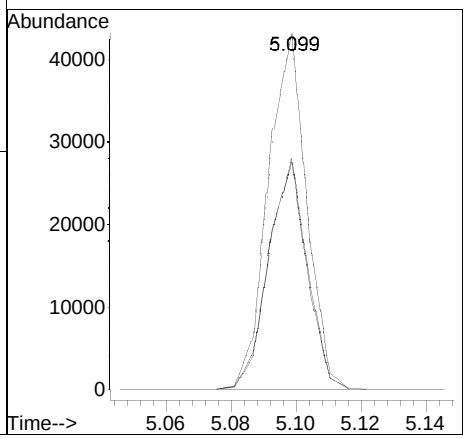


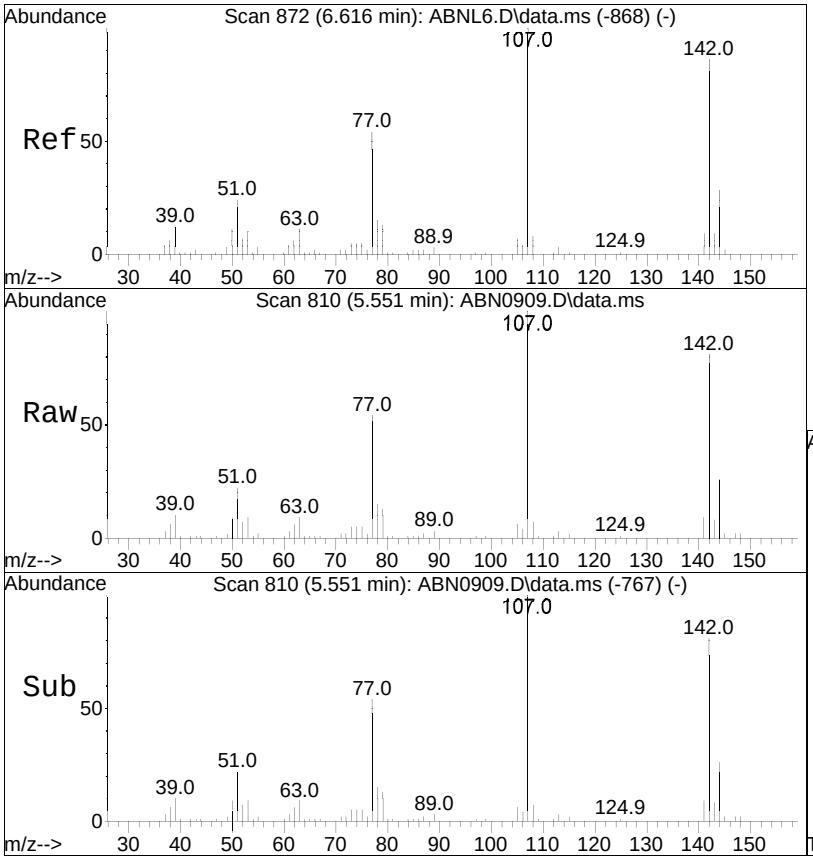


#39
Hexachlorobutadiene
Concen: 4.68 ug/ml
RT: 5.099 min Scan# 733
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:225 Resp: 35264

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.5	75.7
227	64.8	50.4	75.6

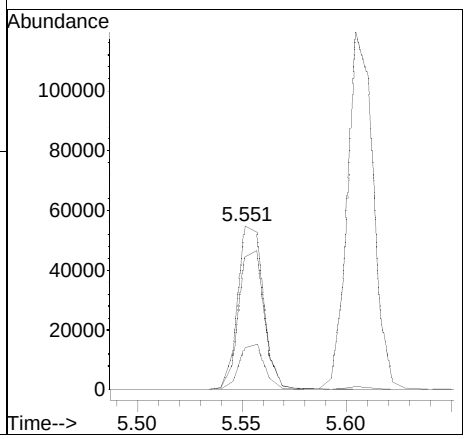


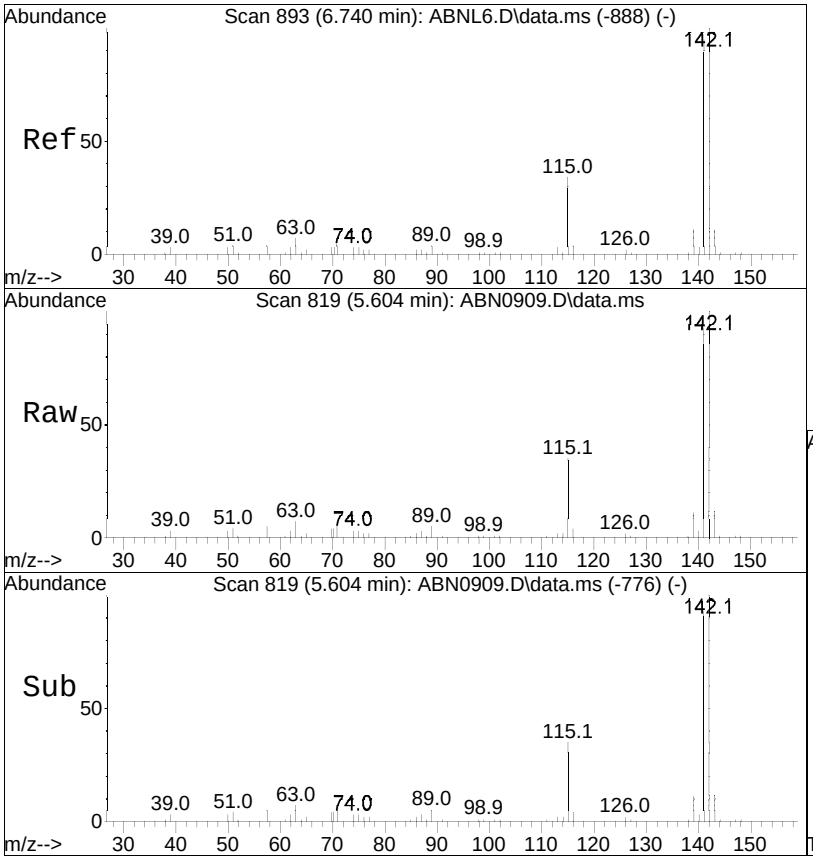


#40
p-Chloro-m-cresol
Concen: 5.55 ug/ml
RT: 5.551 min Scan# 810
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:107 Resp: 47153

Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.3	30.5
142	84.5	63.8	95.6

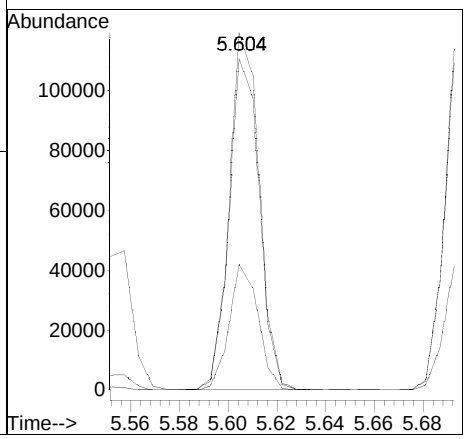


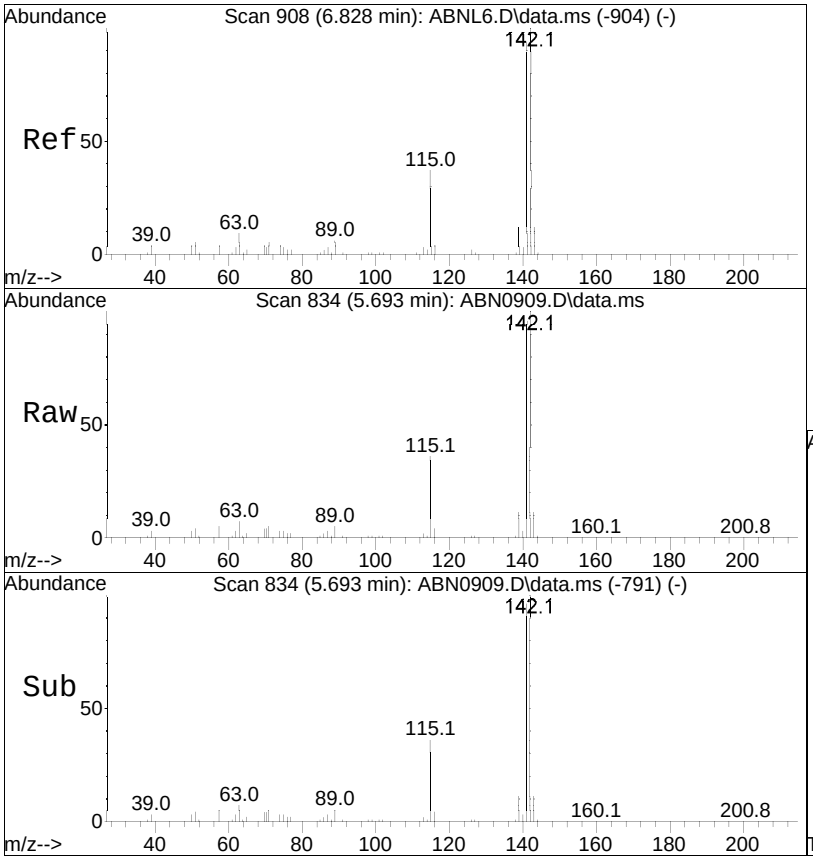


#41
2-Methylnaphthalene
Concen: 4.69 ug/ml
RT: 5.604 min Scan# 819
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:142 Resp: 102606

Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.2	108.4
115	33.9	27.8	41.6

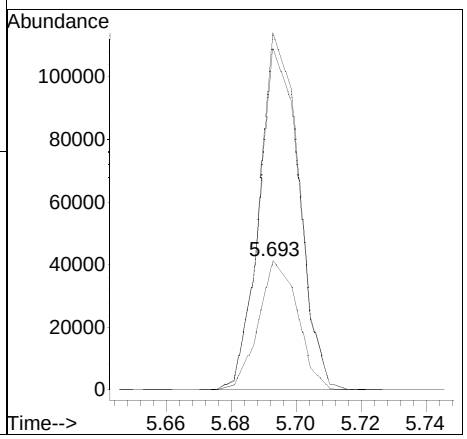


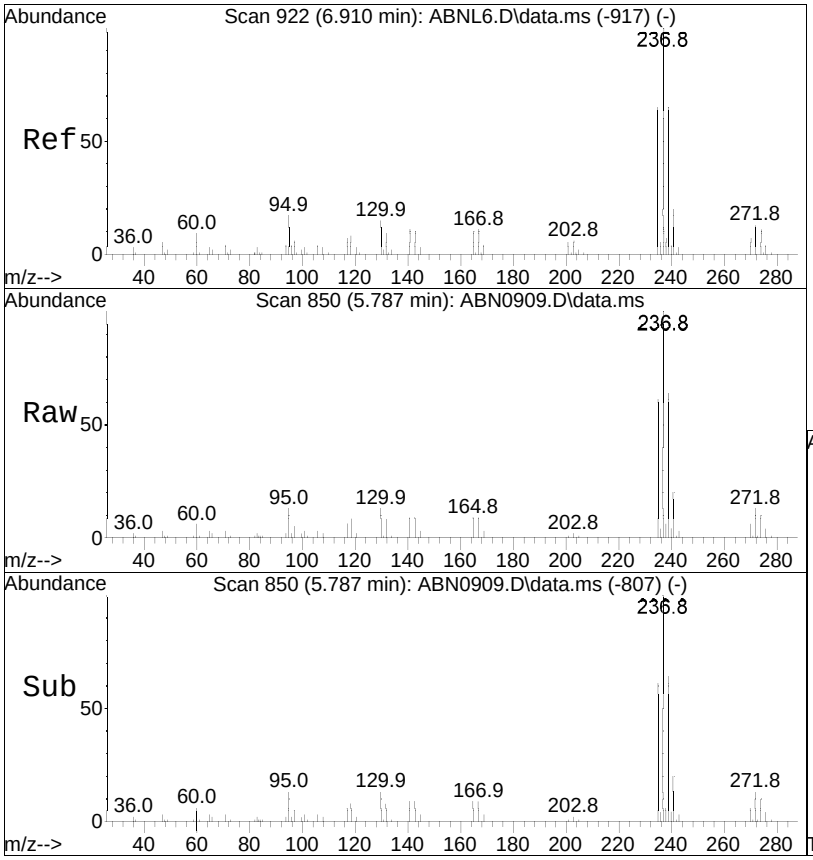


#42
1-Methylnaphthalene
Concen: 4.61 ug/ml
RT: 5.693 min Scan# 834
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:115 Resp: 34674

Ion	Ratio	Lower	Upper
115	100		
141	268.6	205.4	308.2
142	278.7	220.2	330.4

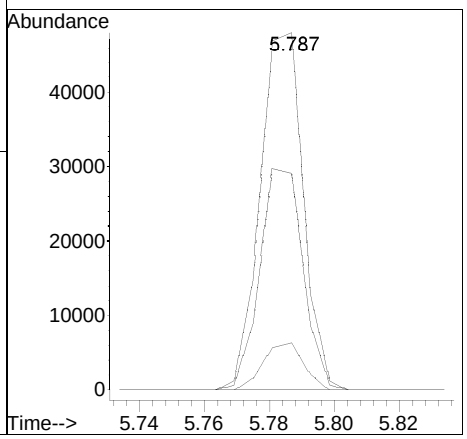


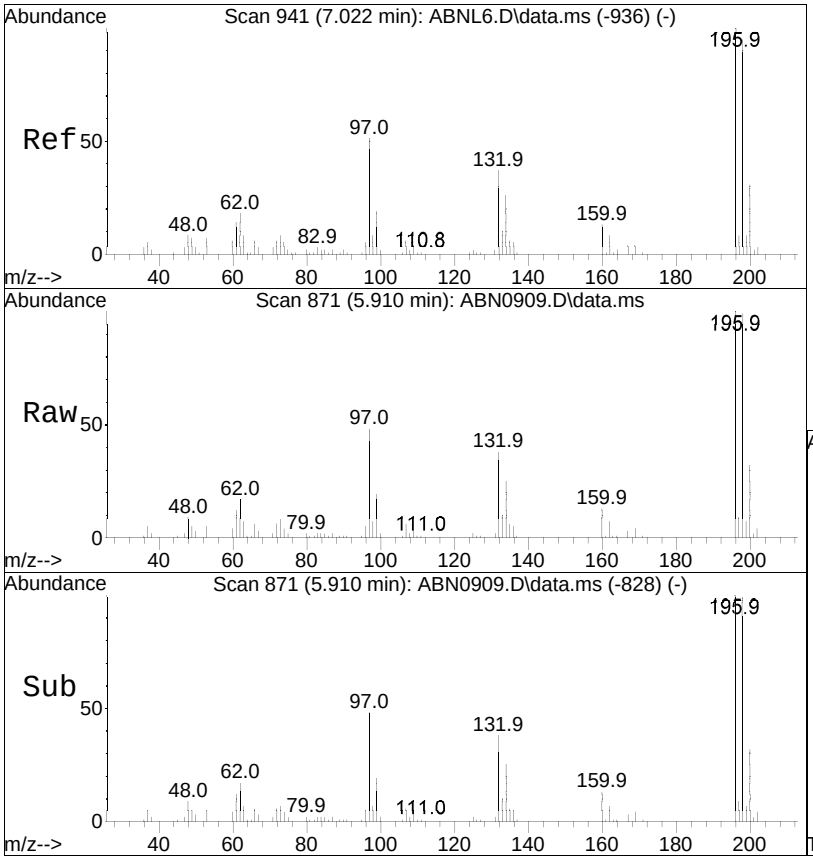


#43
Hexachlorocyclopentadiene
Concen: 5.73 ug/ml
RT: 5.787 min Scan# 850
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:237 Resp: 44081

Ion	Ratio	Lower	Upper
237	100		
235	62.3	50.9	76.3
272	12.5	10.1	15.1

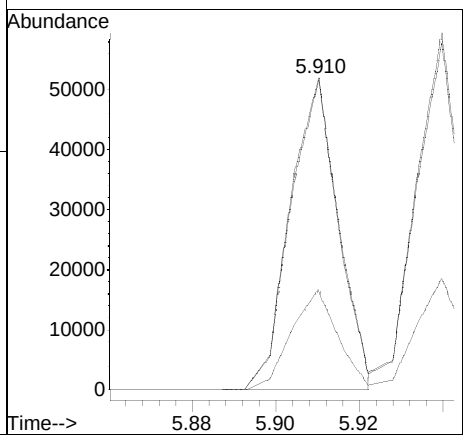


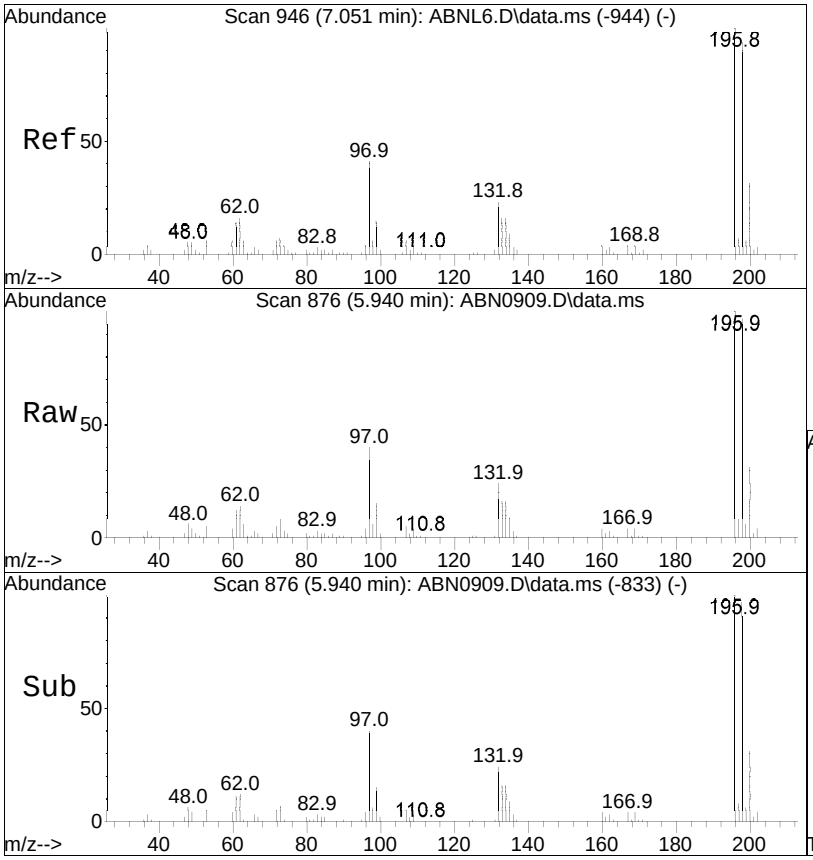


#44
2,4,6-Trichlorophenol
Concen: 5.35 ug/ml
RT: 5.910 min Scan# 871
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:196 Resp: 42045

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.4	114.6
200	31.0	24.4	36.6

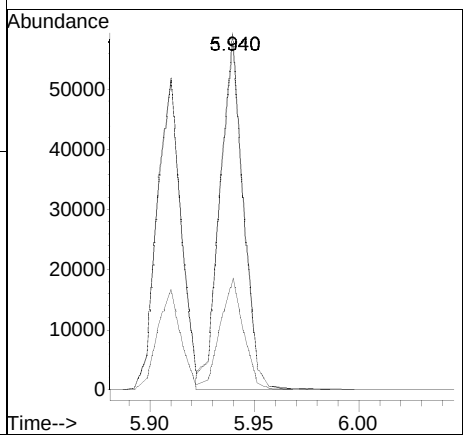


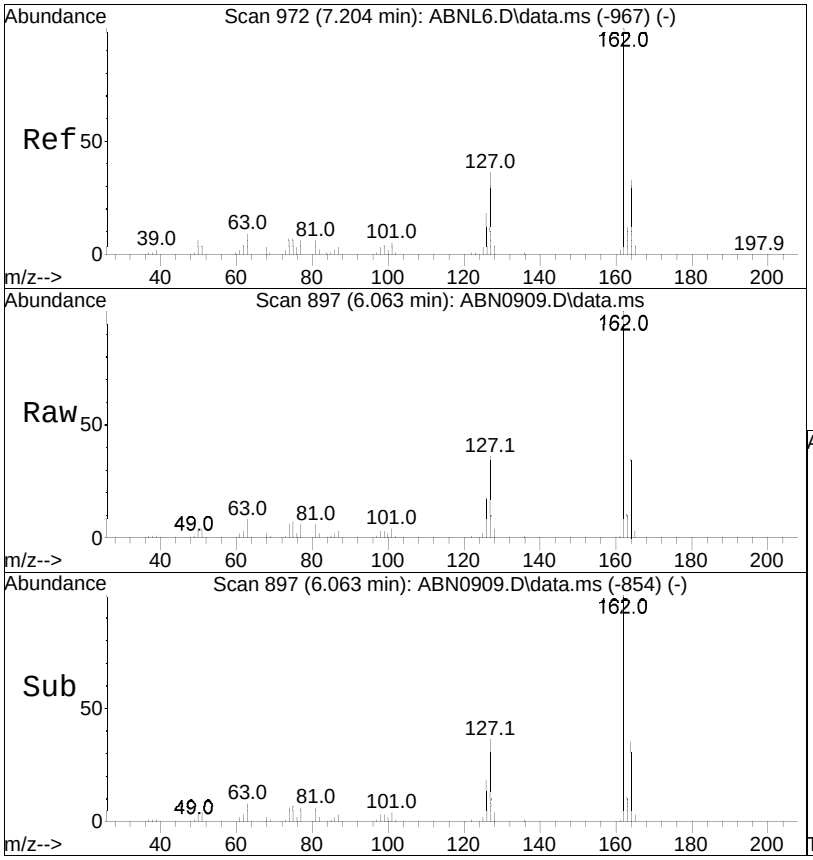


#45
2,4,5-Trichlorophenol
Concen: 5.77 ug/ml
RT: 5.940 min Scan# 876
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:196 Resp: 46415

Ion	Ratio	Lower	Upper
196	100		
200	31.3	24.2	36.4
198	96.5	76.2	114.2

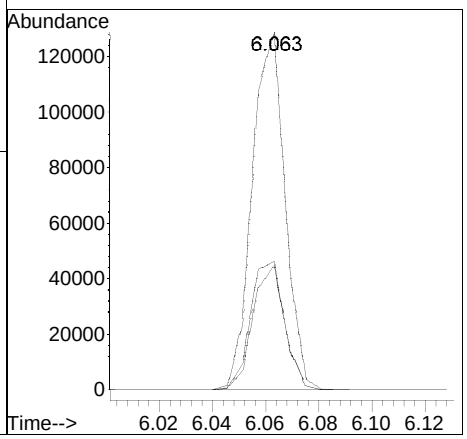


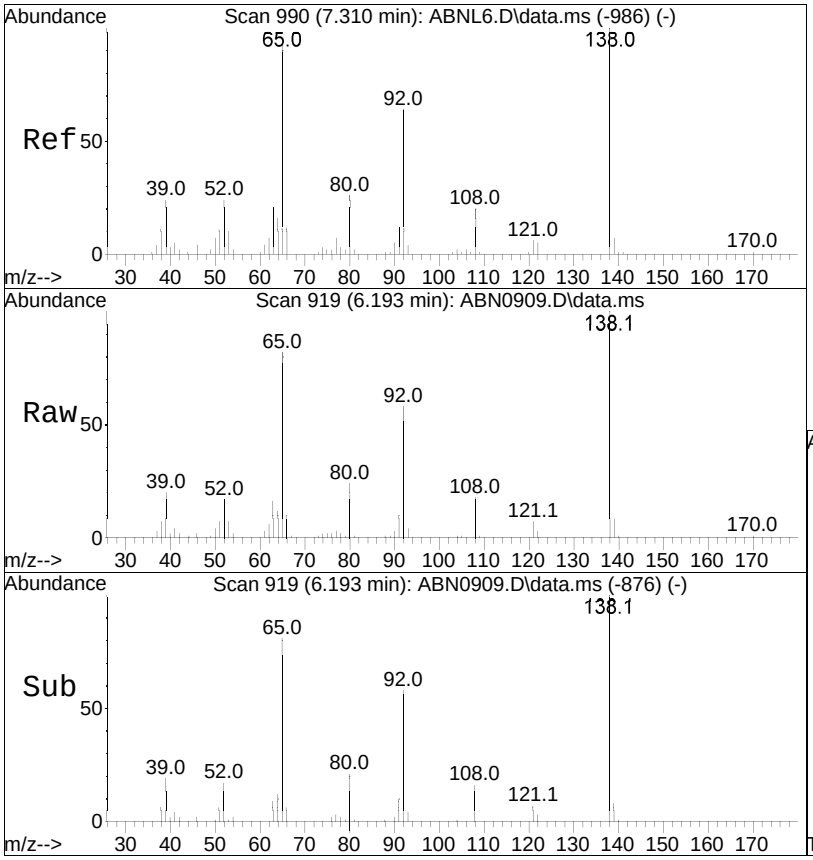


#47
2-Chloronaphthalene
Concen: 4.70 ug/ml
RT: 6.063 min Scan# 897
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:162 Resp: 109266

Ion	Ratio	Lower	Upper
162	100		
127	37.2	33.8	50.6
164	33.9	25.8	38.6

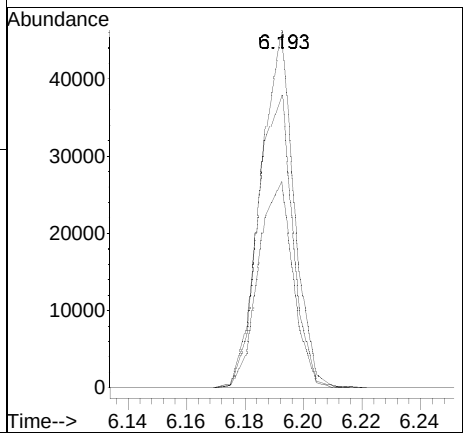


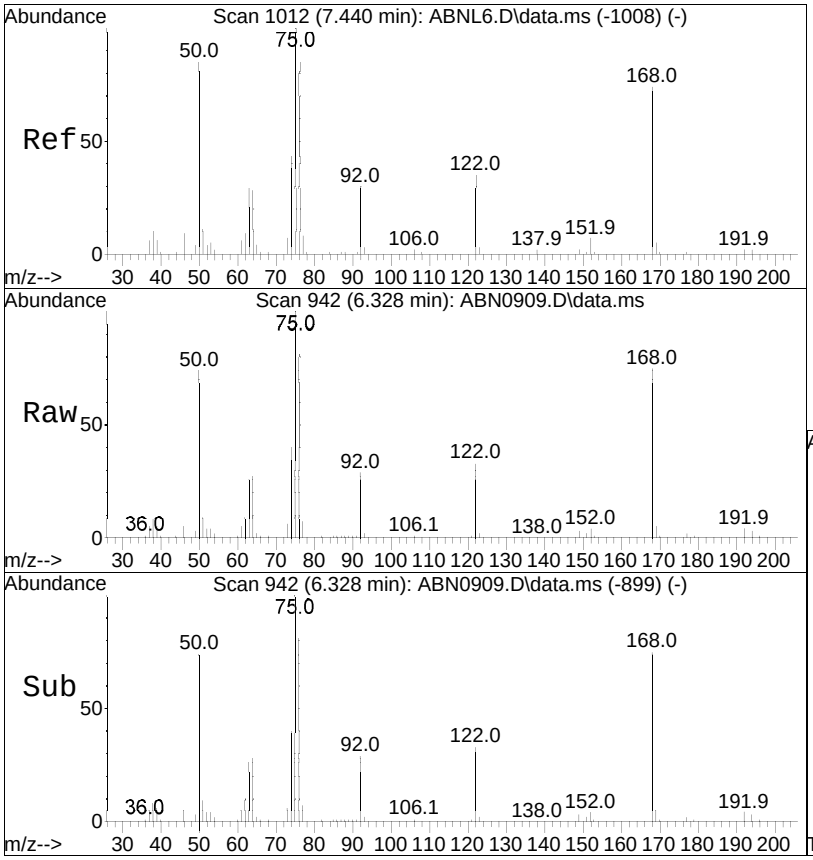


#48
2-Nitroaniline
Concen: 5.87 ug/ml
RT: 6.193 min Scan# 919
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:138 Resp: 36106

Ion	Ratio	Lower	Upper
138	100		
92	60.9	52.1	78.1
65	87.2	75.9	113.9

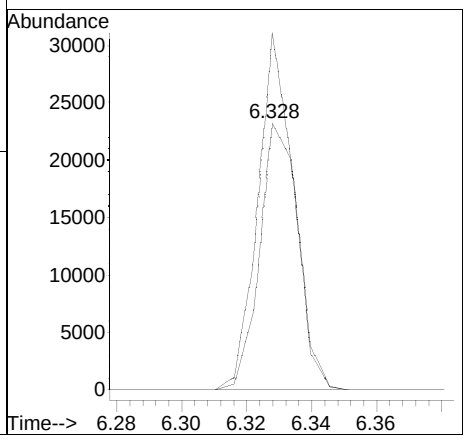


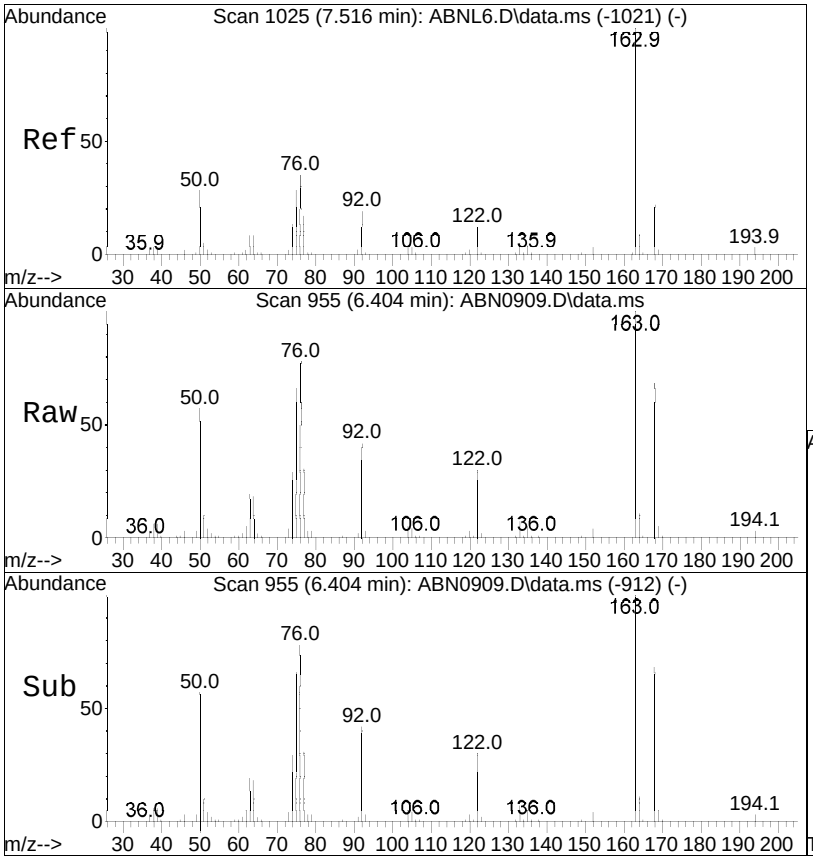


#49
1,4-Dinitrobenzene
Concen: 6.36 ug/ml
RT: 6.328 min Scan# 942
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:168 Resp: 19176

Ion	Ratio	Lower	Upper
168	100		
75	122.1	111.0	166.4

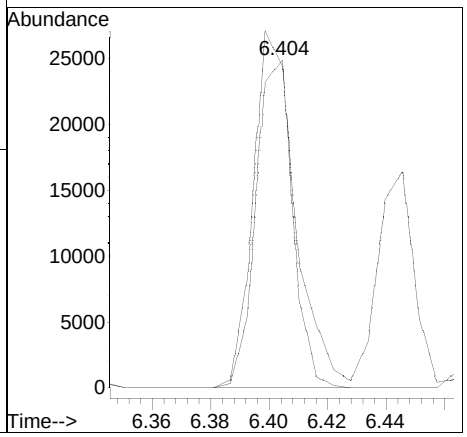


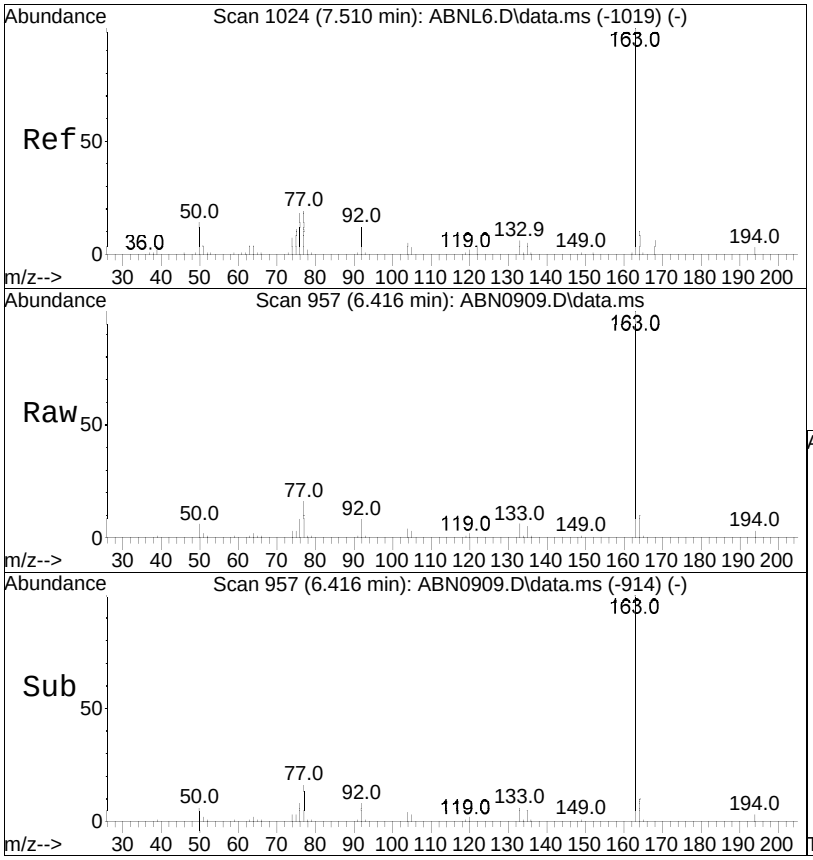


#50
1,3-Dinitrobenzene
Concen: 6.23 ug/ml
RT: 6.404 min Scan# 955
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:168 Resp: 21774

Ion	Ratio	Lower	Upper
168	100		
75	124.1	116.4	174.6

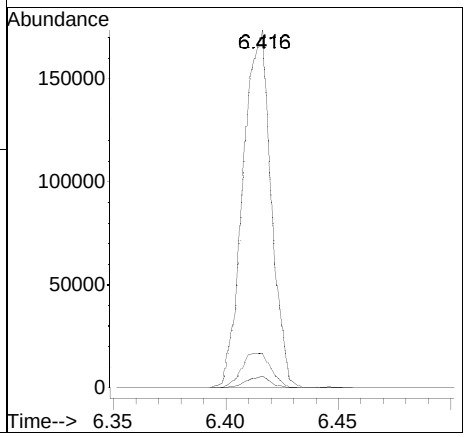


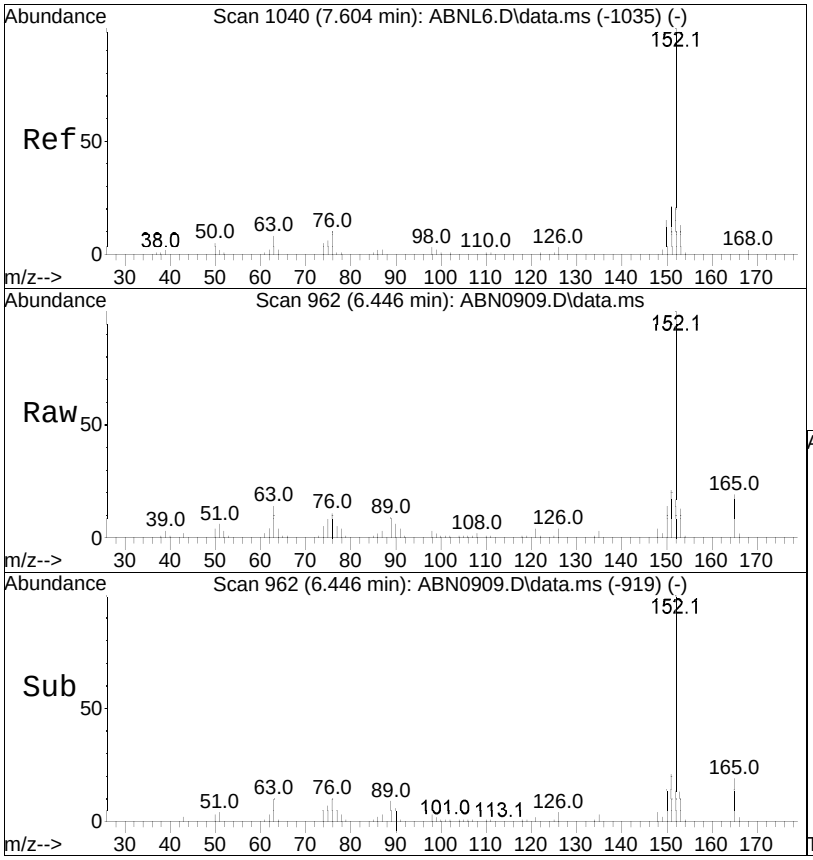


#51
Dimethyl phthalate
Concen: 5.26 ug/ml
RT: 6.416 min Scan# 957
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:163 Resp: 148885

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.3	3.5
164	10.3	8.2	12.2

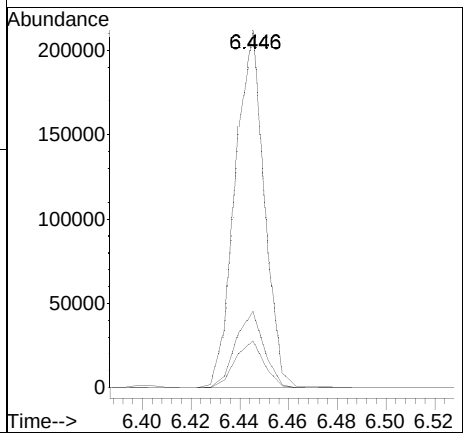


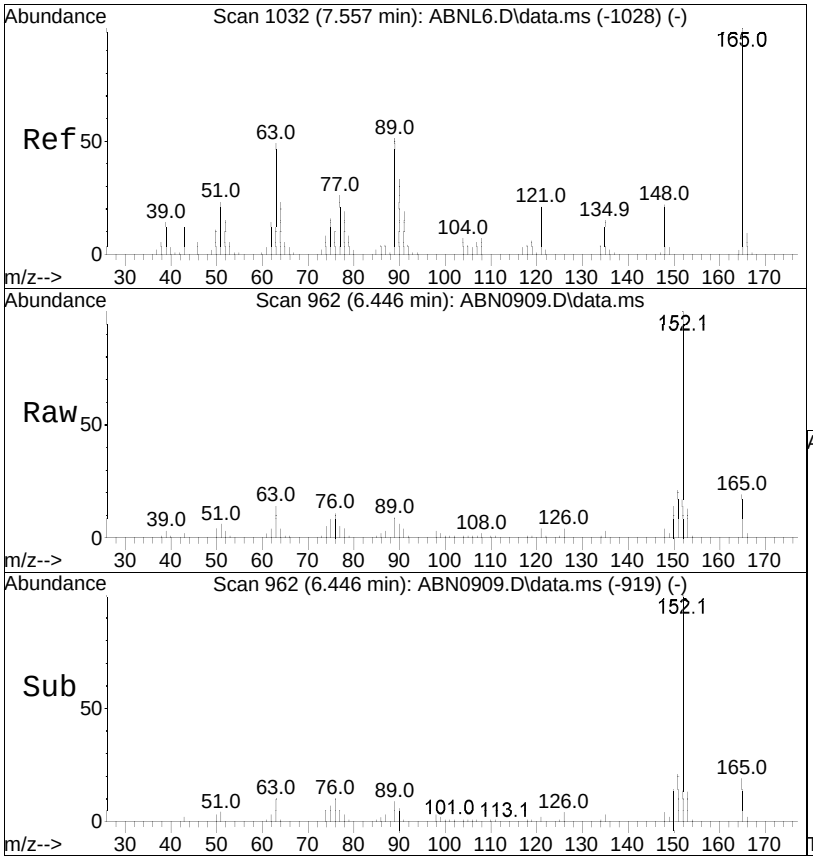


#52
Acenaphthylene
Concen: 5.08 ug/ml
RT: 6.446 min Scan# 962
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:152 Resp: 174295

Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.9	23.9
153	13.2	10.5	15.7

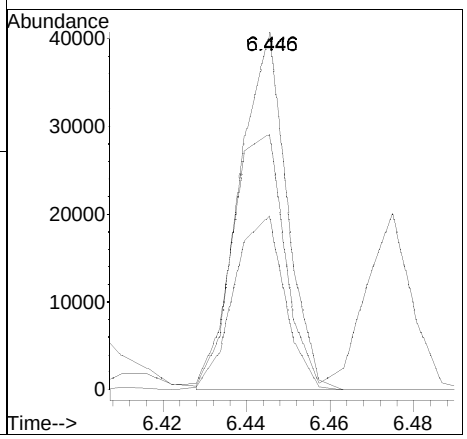


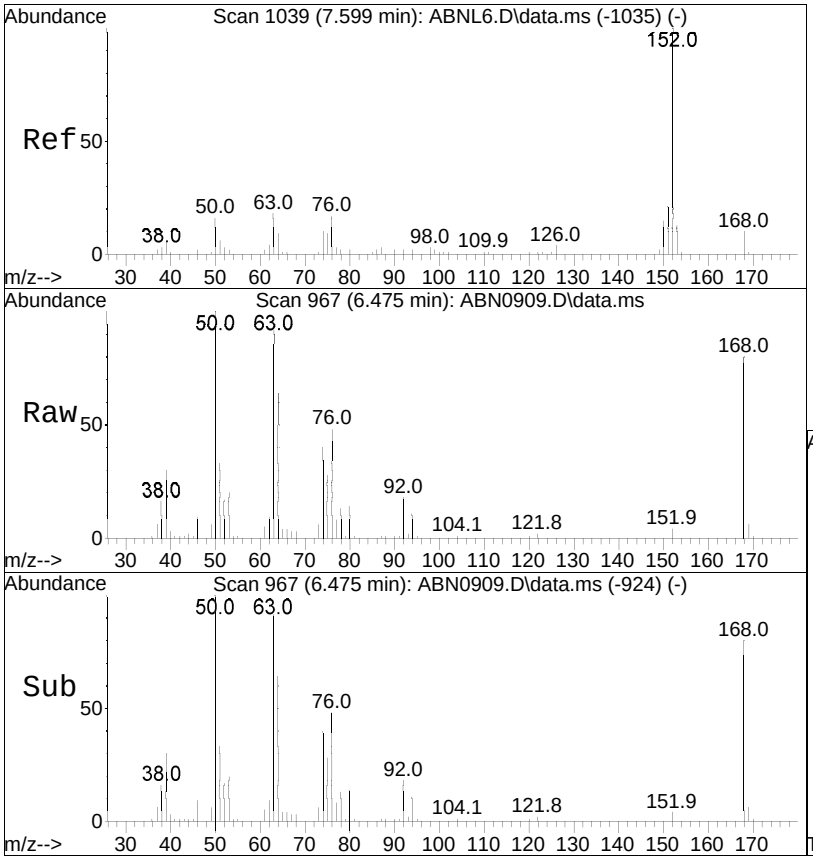


#53
2,6-Dinitrotoluene
Concen: 6.02 ug/ml
RT: 6.446 min Scan# 962
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:165 Resp: 31878

Ion	Ratio	Lower	Upper
165	100		
89	52.5	48.8	73.2
63	80.5	50.5	75.7#

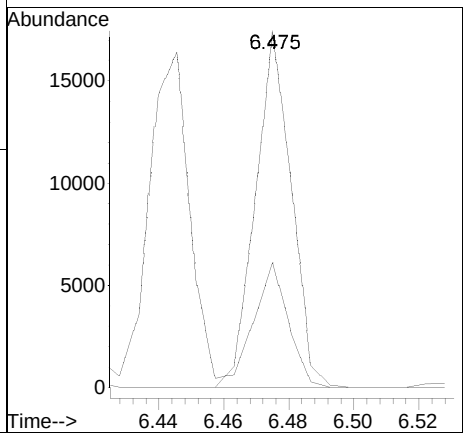


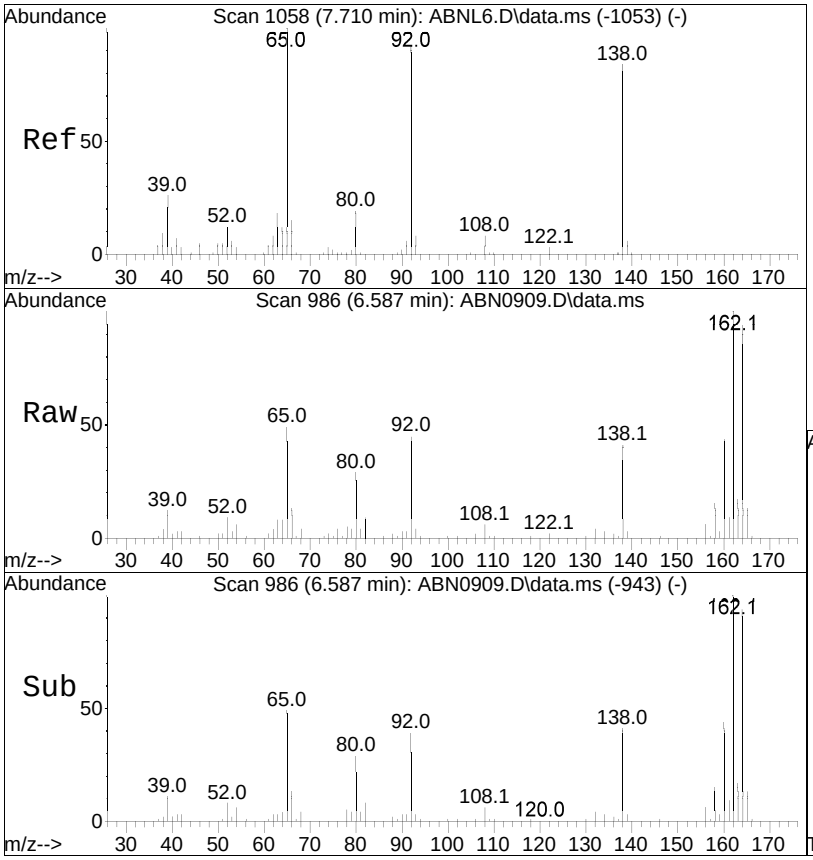


#54
1,2-Dinitrobenzene
Concen: 5.74 ug/ml
RT: 6.475 min Scan# 967
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:168 Resp: 13371

Ion	Ratio	Lower	Upper
168	100		
75	100.4	32.2	48.2#

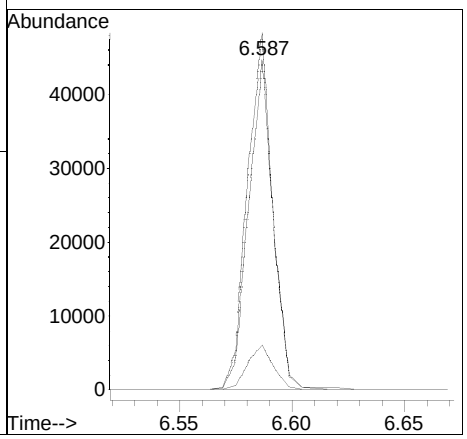


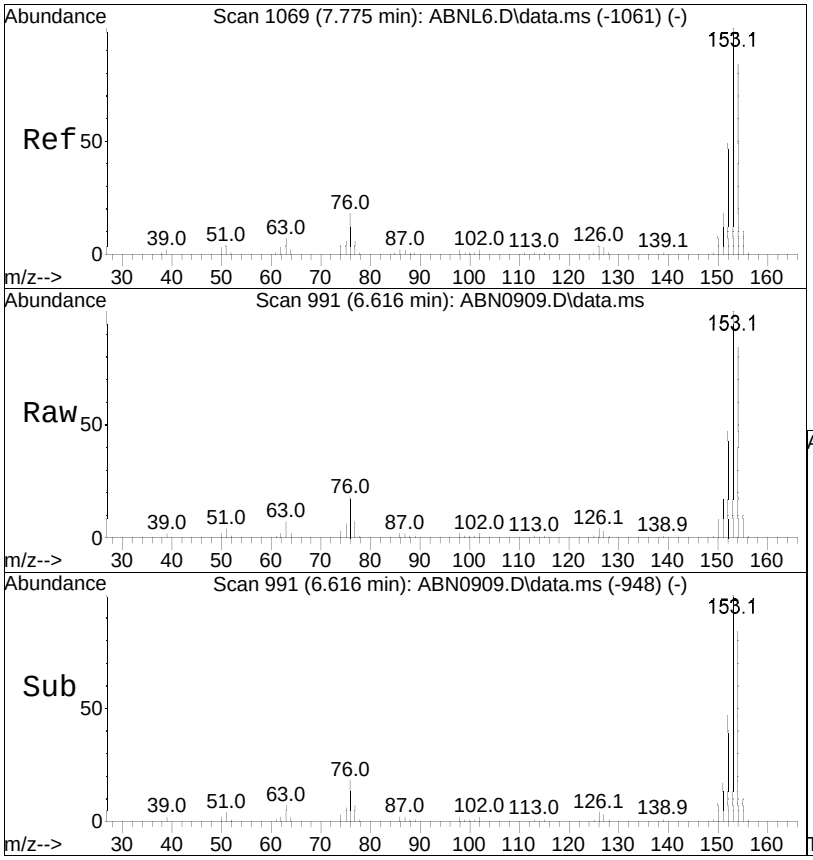


#64
3-Nitroaniline
Concen: 5.49 ug/ml
RT: 6.587 min Scan# 986
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:138 Resp: 33814

Ion	Ratio	Lower	Upper
138	100		
92	109.5	92.8	139.2
108	14.0	7.9	11.9#

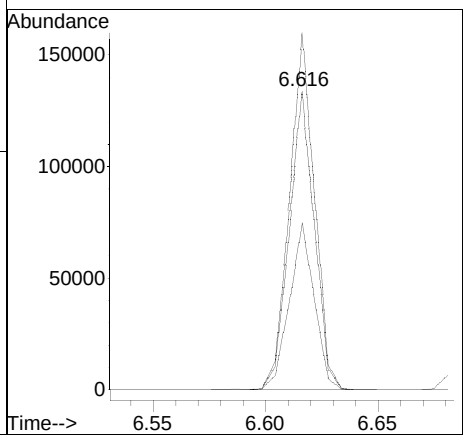


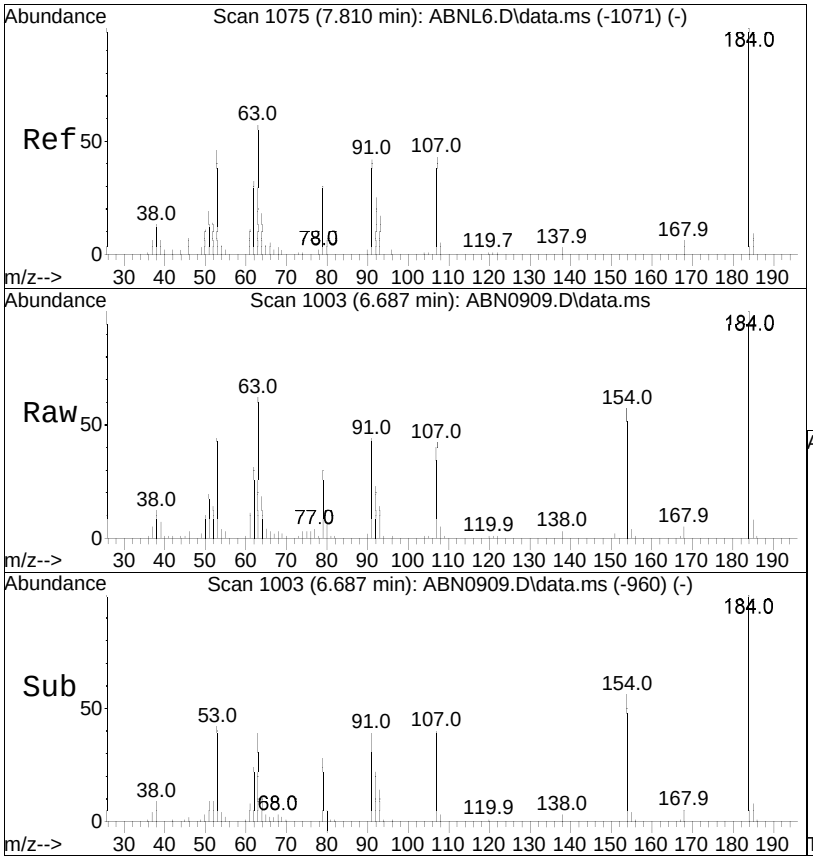


#65
Acenaphthene
Concen: 4.50 ug/ml
RT: 6.616 min Scan# 991
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:154 Resp: 103448

Ion	Ratio	Lower	Upper
154	100		
153	118.7	93.0	139.4
152	55.7	43.3	64.9

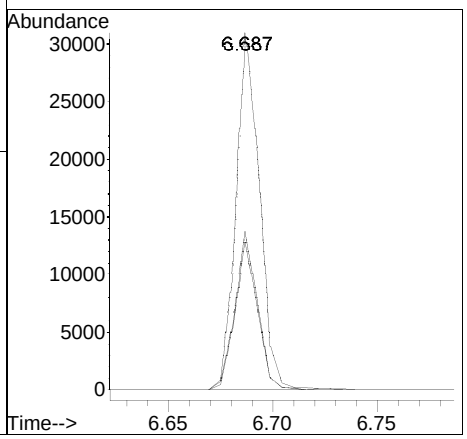


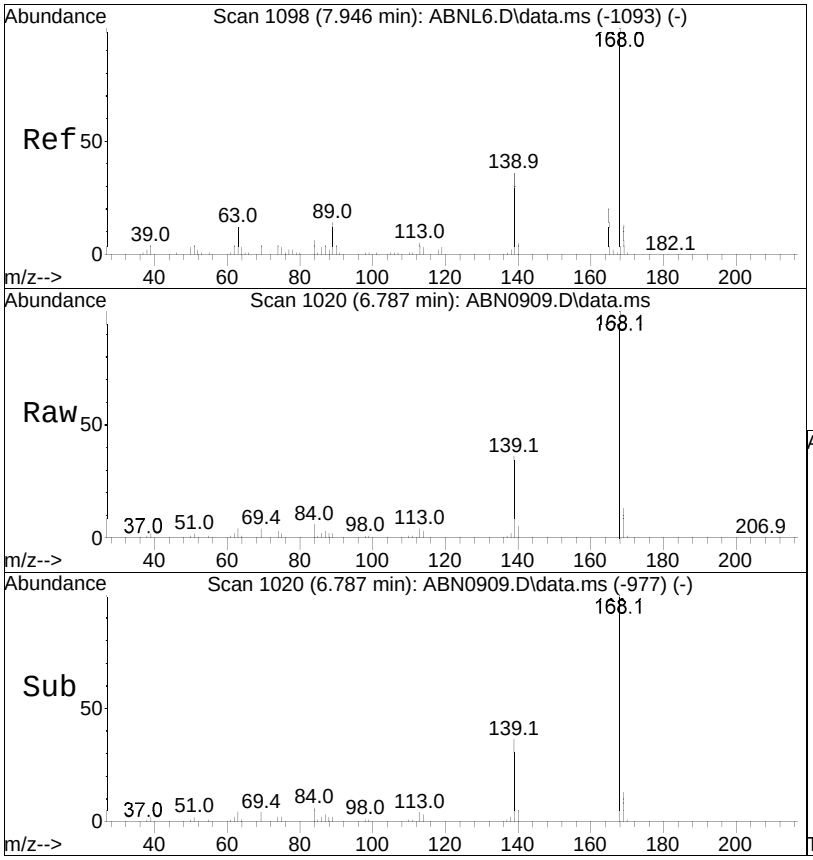


#66
2,4-Dinitrophenol
Concen: 7.02 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:184 Resp: 24061

Ion	Ratio	Lower	Upper
184	100		
107	39.9	41.8	62.6#
91	42.8	44.2	66.2#

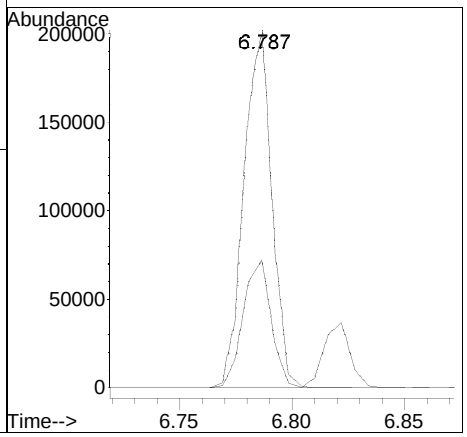


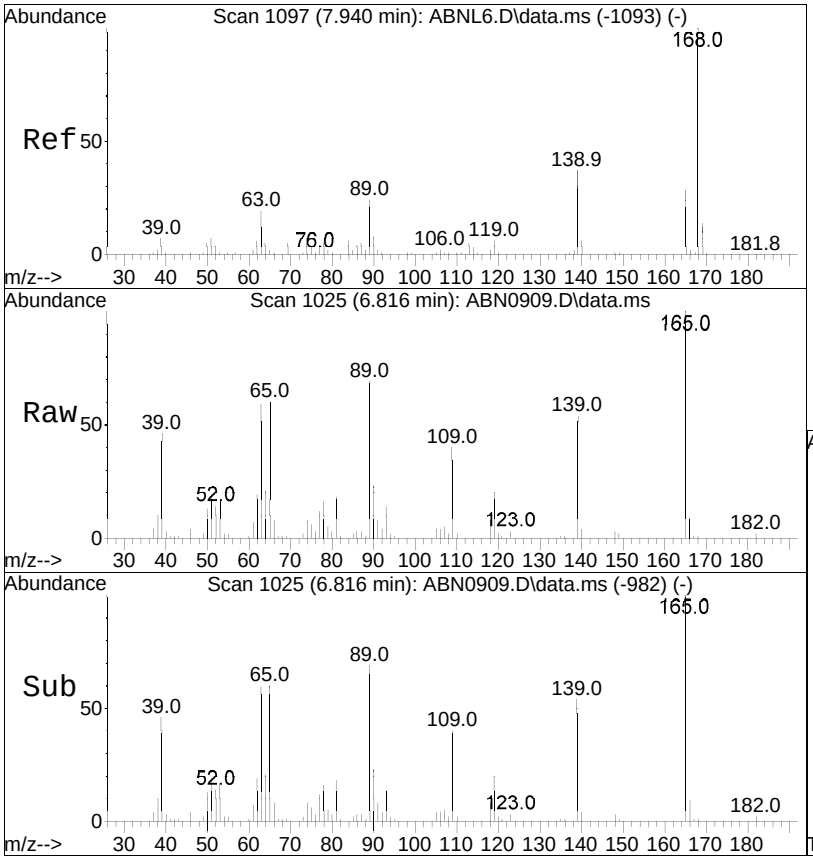


#67
Dibenzofuran
Concen: 4.54 ug/ml
RT: 6.787 min Scan# 1020
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:168 Resp: 171871

Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

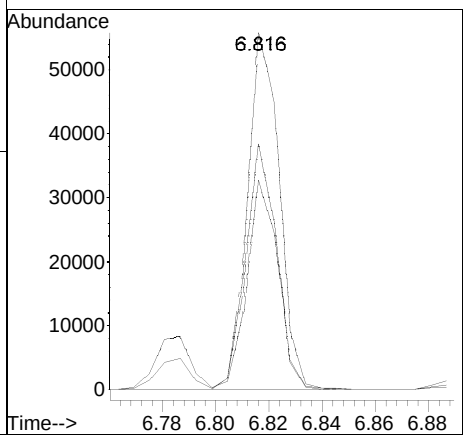


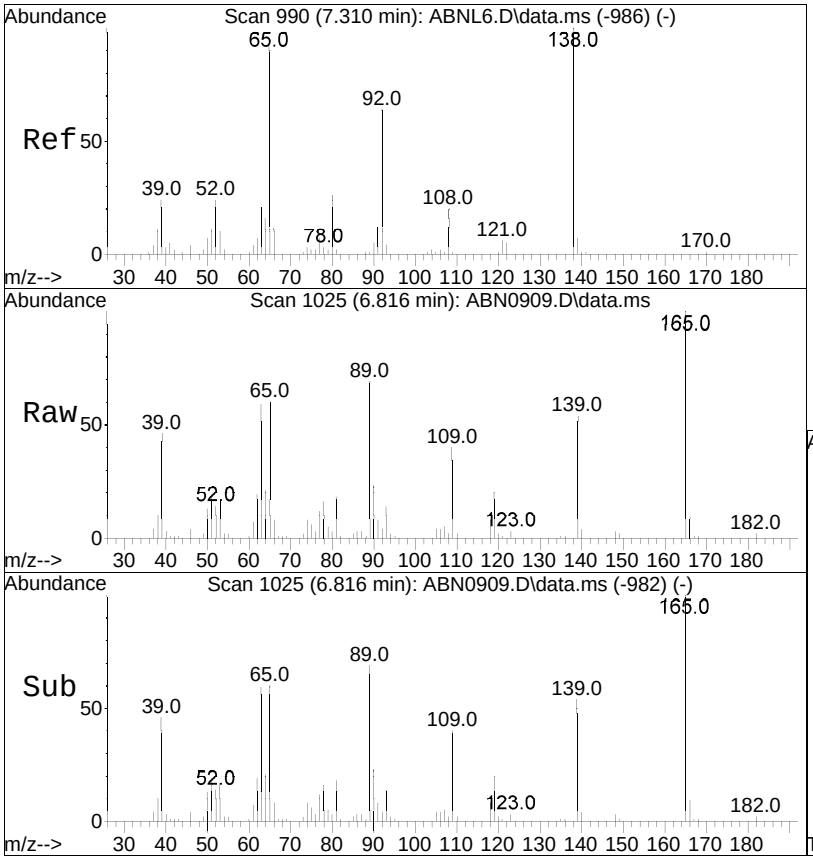


#68
2,4-Dinitrotoluene
Concen: 5.85 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:165 Resp: 46173

Ion	Ratio	Lower	Upper
165	100		
89	66.2	73.0	109.4#
63	57.4	56.3	84.5

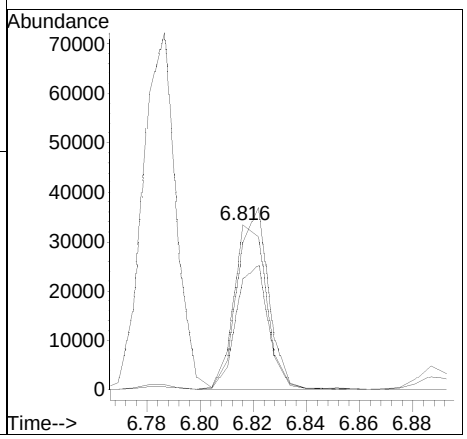


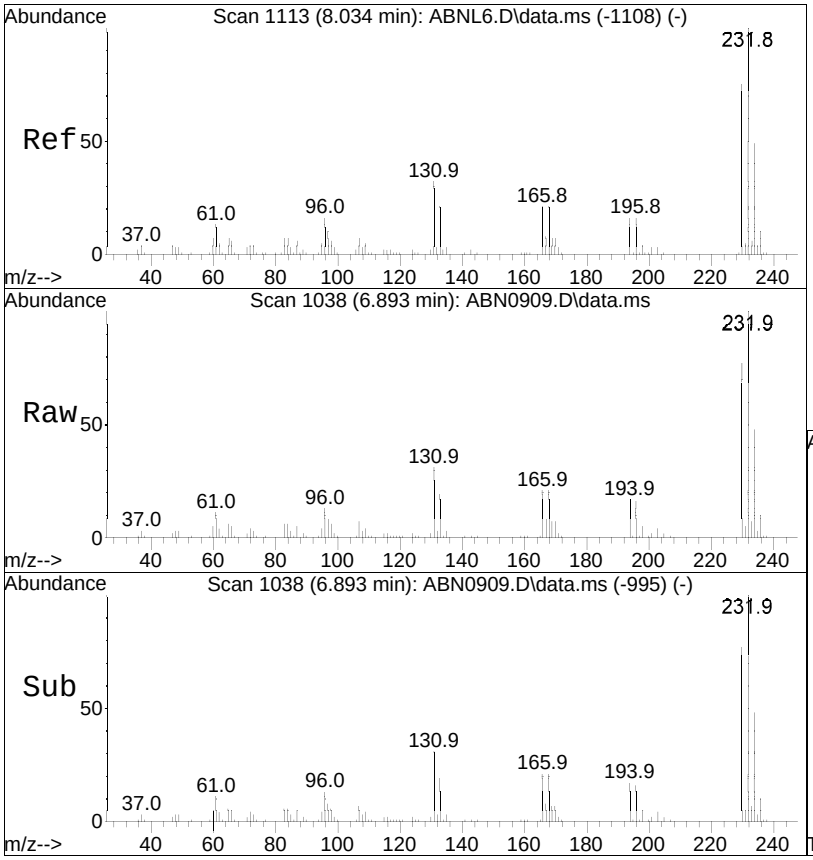


#69
4-Nitrophenol
Concen: 4.81 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 65 Resp: 28724

Ion	Ratio	Lower	Upper
65	100		
109	74.4	60.2	90.2
139	104.5	81.1	121.7

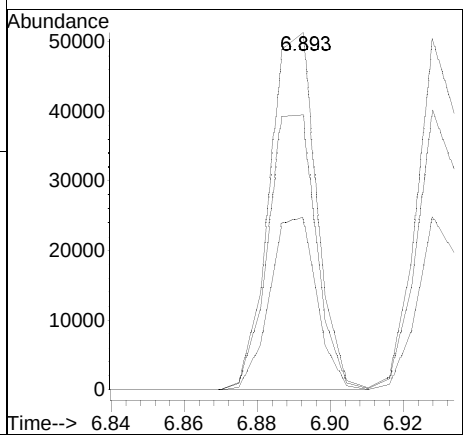


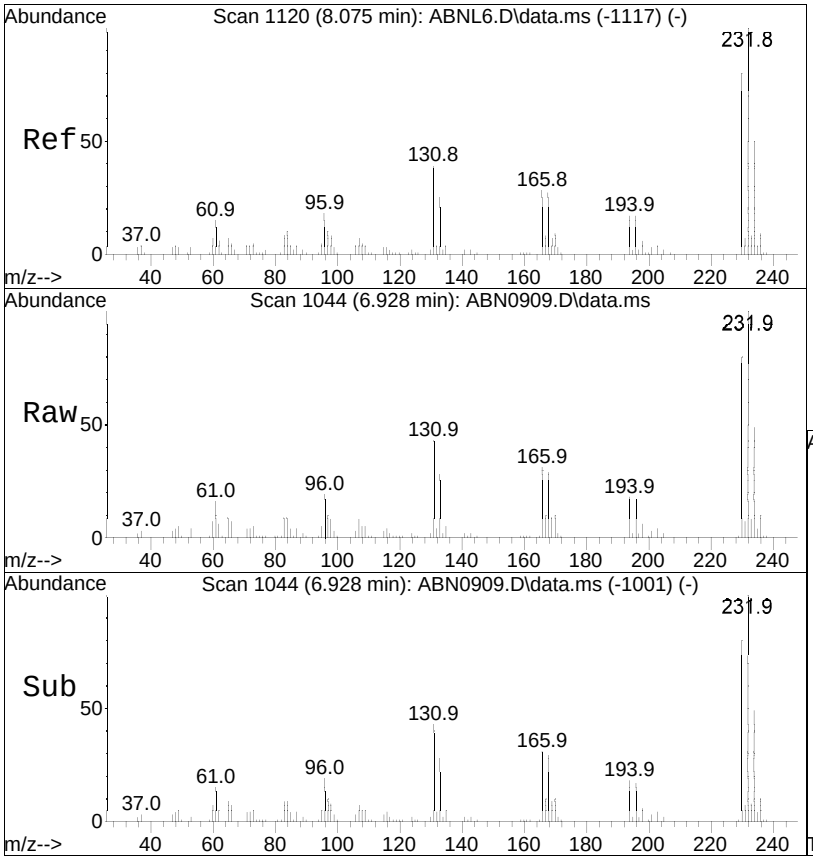


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.92 ug/ml
RT: 6.893 min Scan# 1038
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:232 Resp: 45951

Ion	Ratio	Lower	Upper
232	100		
230	78.9	63.8	95.8
234	48.3	38.3	57.5

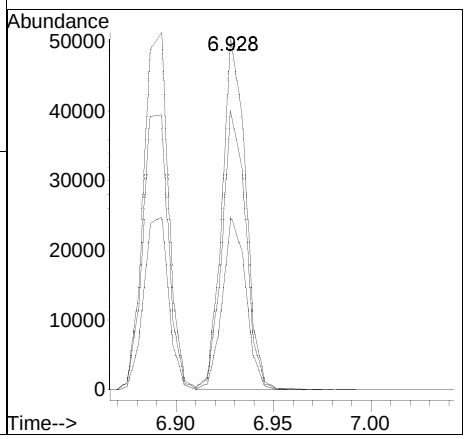


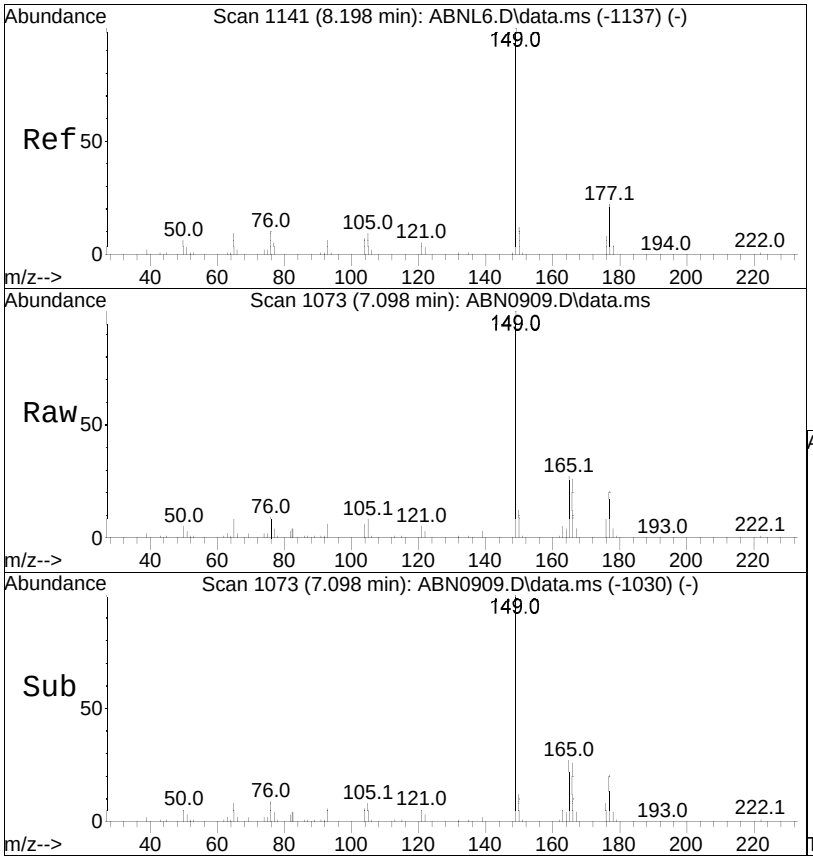


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.64 ug/ml
RT: 6.928 min Scan# 1044
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:232 Resp: 42964

Ion	Ratio	Lower	Upper
232	100		
230	79.4	63.8	95.8
234	48.6	39.0	58.6

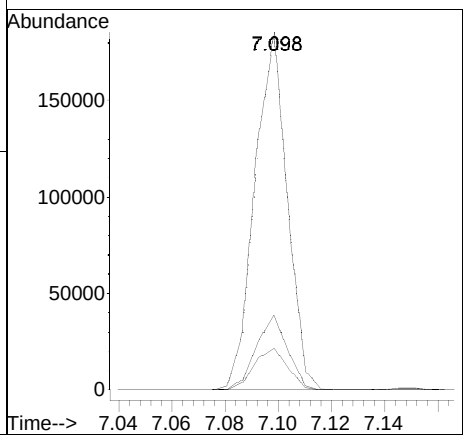


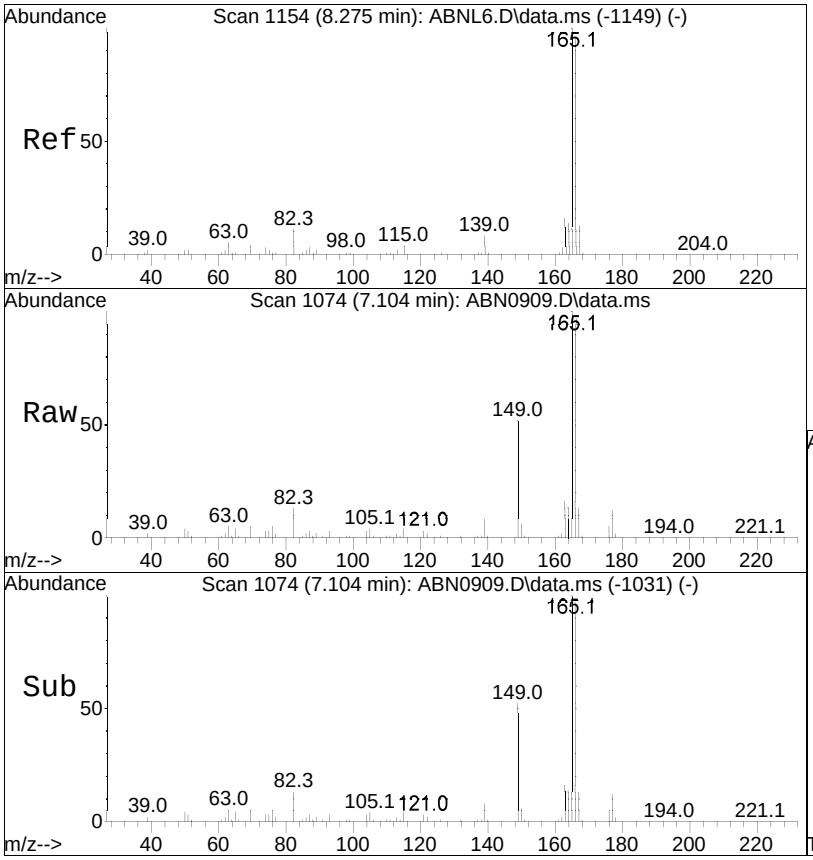


#72
Diethyl phthalate
Concen: 5.08 ug/ml
RT: 7.098 min Scan# 1073
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:149 Resp: 155515

Ion	Ratio	Lower	Upper
149	100		
177	20.5	15.0	22.6
150	12.3	9.8	14.6

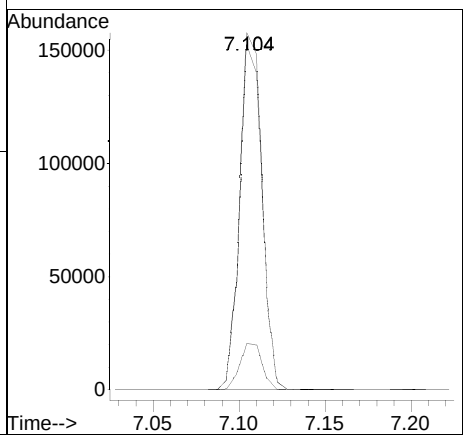


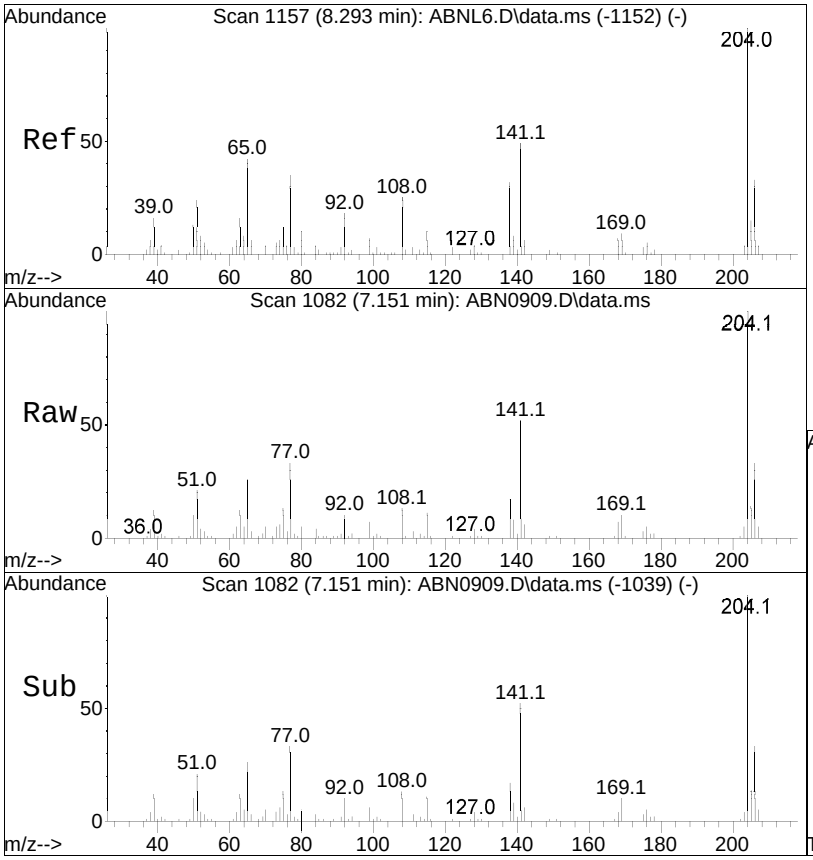


#73
Fluorene
Concen: 4.68 ug/ml
RT: 7.104 min Scan# 1074
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:166 Resp: 137930

Ion	Ratio	Lower	Upper
166	100		
165	103.8	80.0	120.0
167	13.6	10.7	16.1

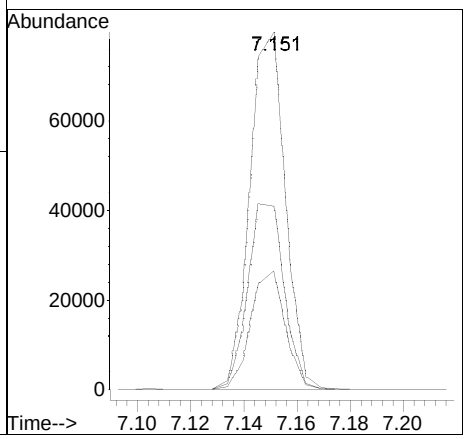


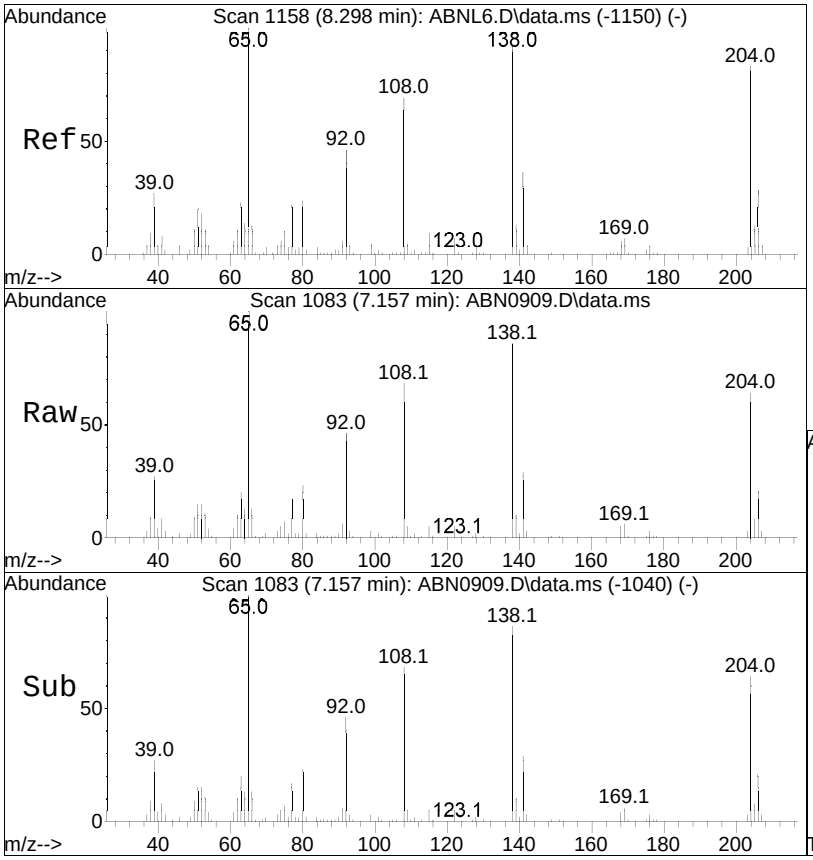


#74
4-Chlorophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 7.151 min Scan# 1082
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:204 Resp: 73384

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	53.6	58.4	87.6#

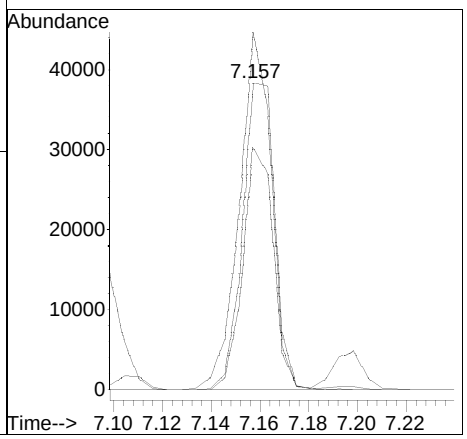


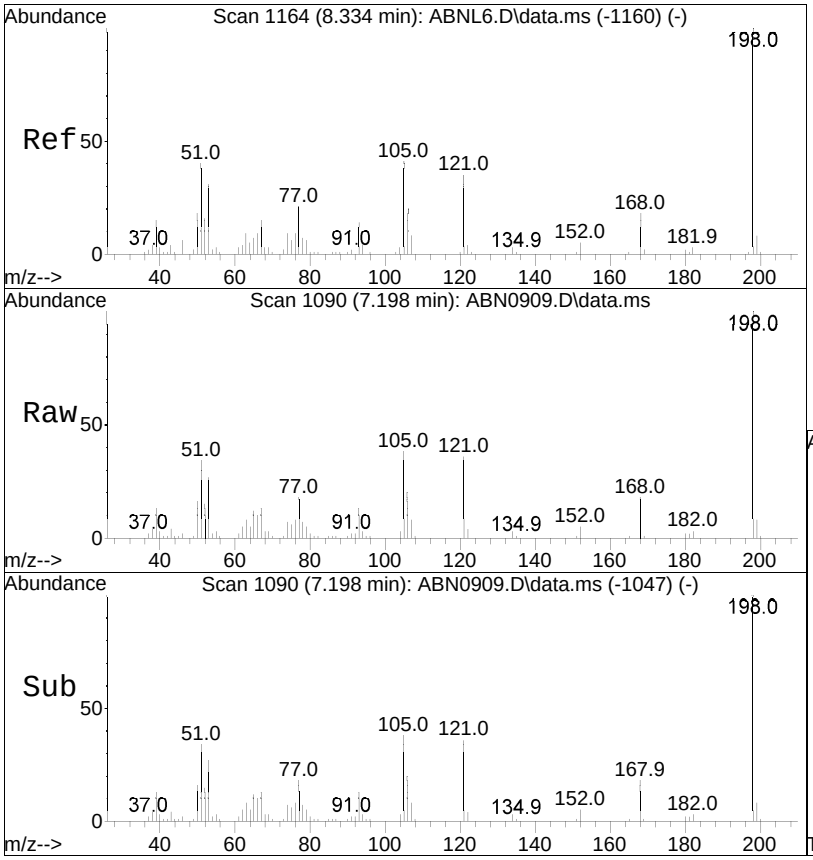


#75
4-Nitroaniline
Concen: 5.44 ug/ml
RT: 7.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:138 Resp: 35220

Ion	Ratio	Lower	Upper
138	100		
108	74.6	59.2	88.8
65	115.2	97.6	146.4

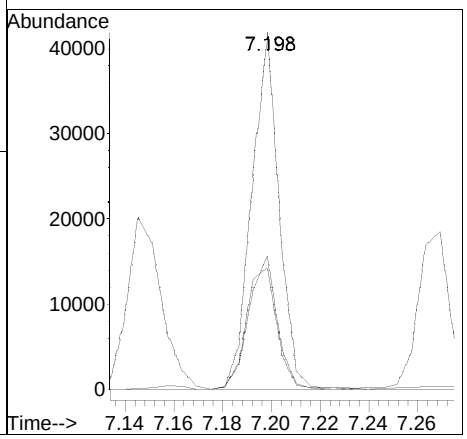


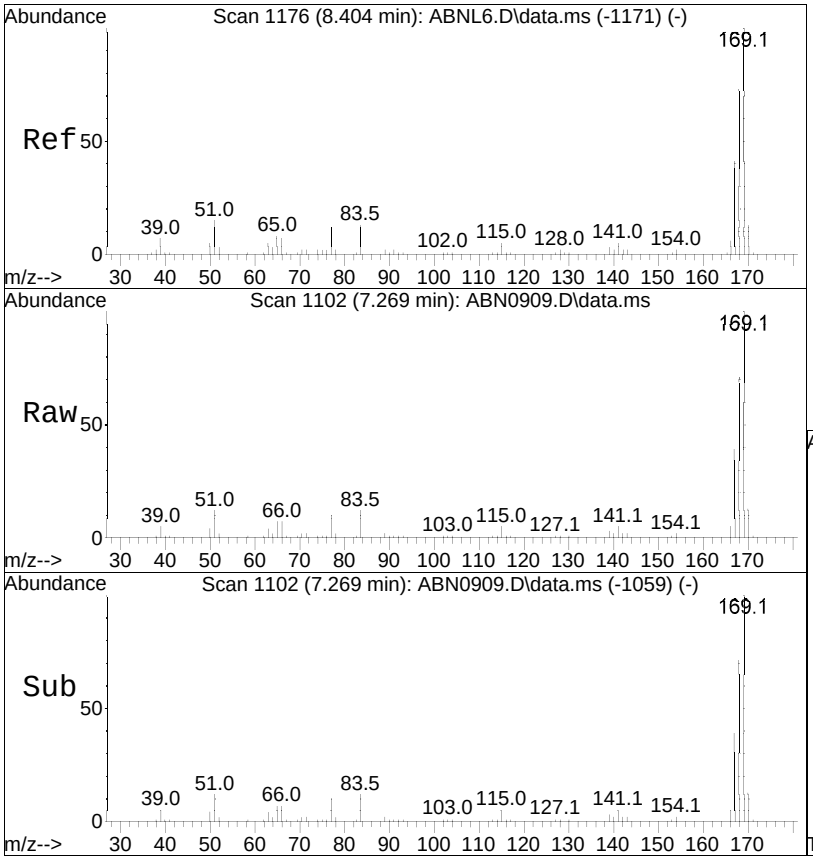


#76
4,6-Dinitro-o-cresol
Concen: 6.34 ug/ml
RT: 7.198 min Scan# 1090
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:198 Resp: 32406

Ion	Ratio	Lower	Upper
198	100		
51	38.9	49.9	74.9#
105	39.4	45.8	68.6#

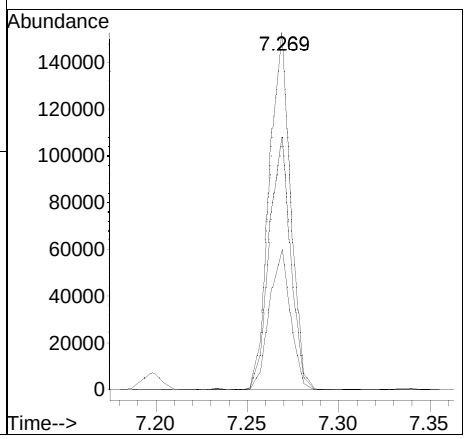


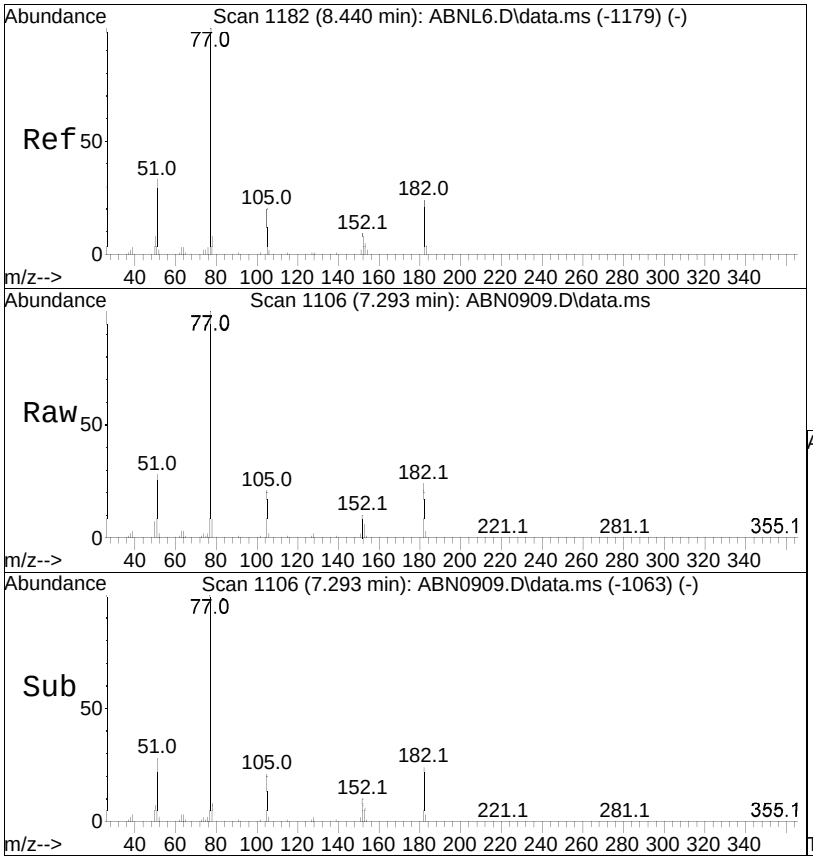


#77
NDPA/DPA
Concen: 4.87 ug/ml
RT: 7.269 min Scan# 1102
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:169 Resp: 123497

Ion	Ratio	Lower	Upper
169	100		
168	71.1	55.2	82.8
167	39.5	30.4	45.6

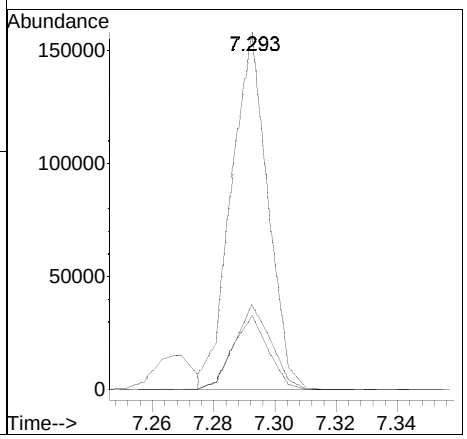


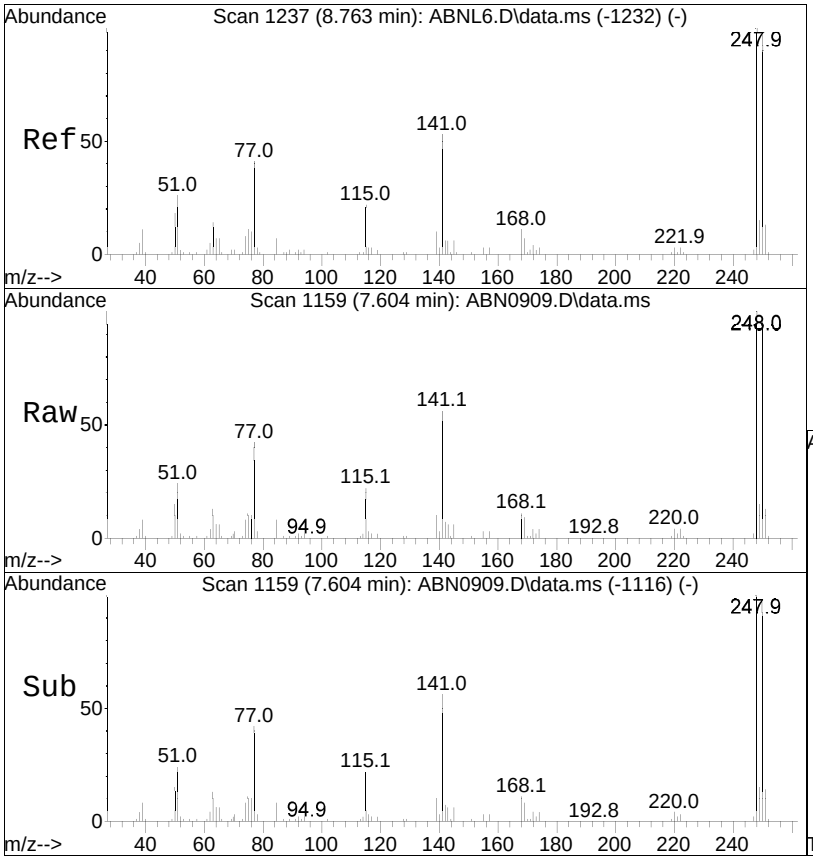


#78
Azobenzene
Concen: 4.81 ug/ml M6
RT: 7.293 min Scan# 1106
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion: 77 Resp: 129373

Ion	Ratio	Lower	Upper
77	100		
182	24.3	16.2	24.2#
105	21.0	17.9	26.9

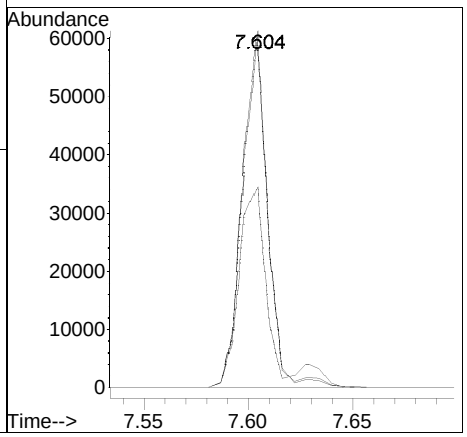


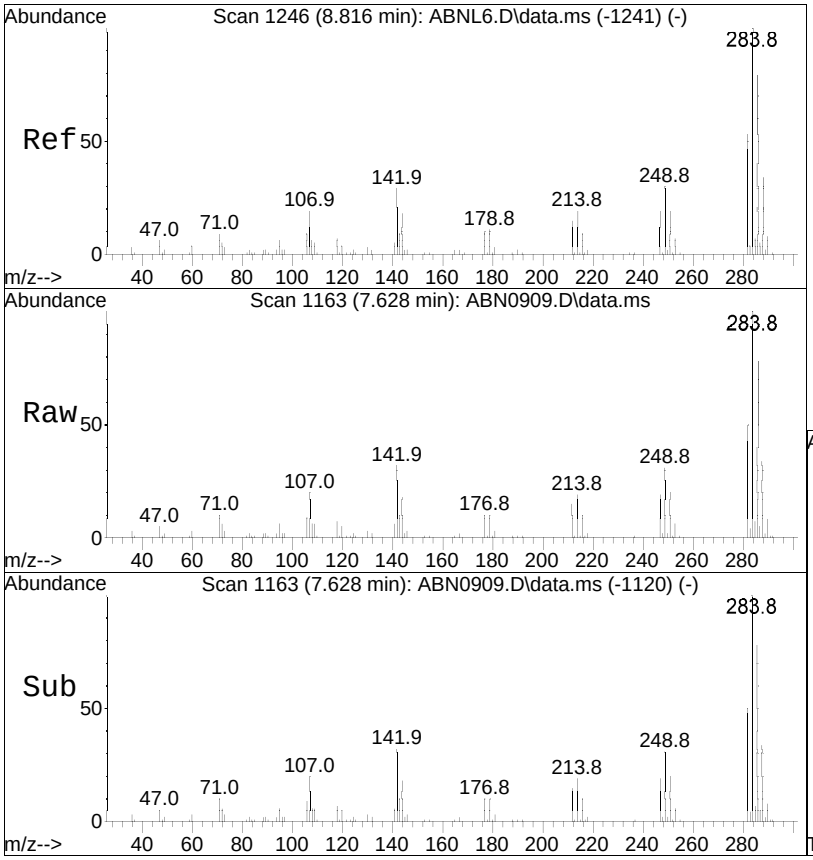


#80
4-Bromophenyl phenyl ether
Concen: 4.92 ug/ml
RT: 7.604 min Scan# 1159
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:248 Resp: 50667

Ion	Ratio	Lower	Upper
248	100		
141	60.8	74.6	111.8#
250	97.3	76.9	115.3

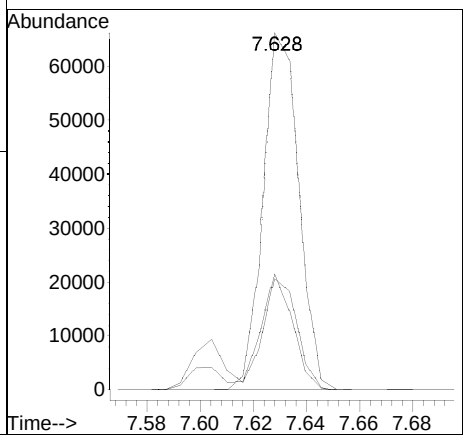


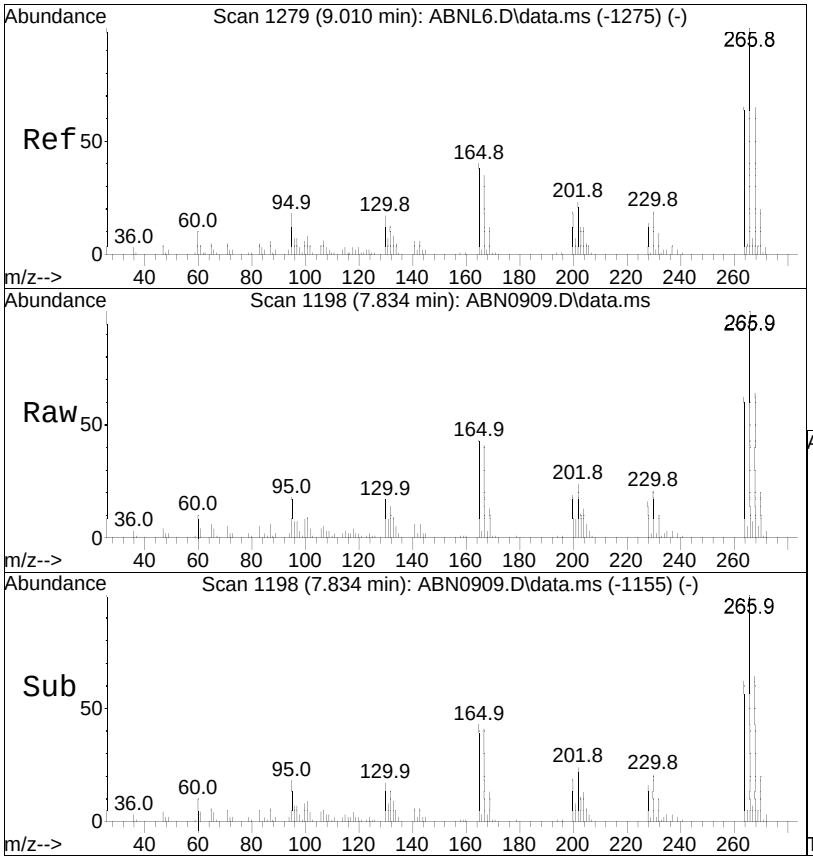


#81
Hexachlorobenzene
Concen: 4.76 ug/ml
RT: 7.628 min Scan# 1163
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:284 Resp: 61506

Ion	Ratio	Lower	Upper
284	100		
142	29.3	37.6	56.4#
249	0.0	25.4	38.2#

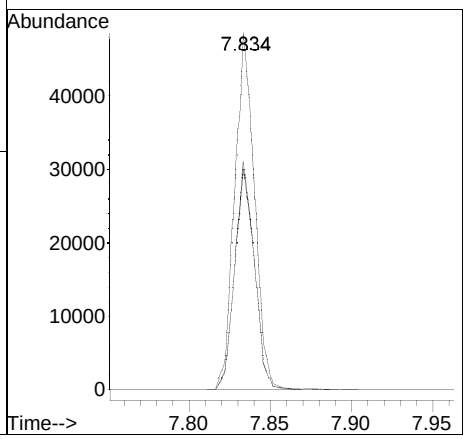


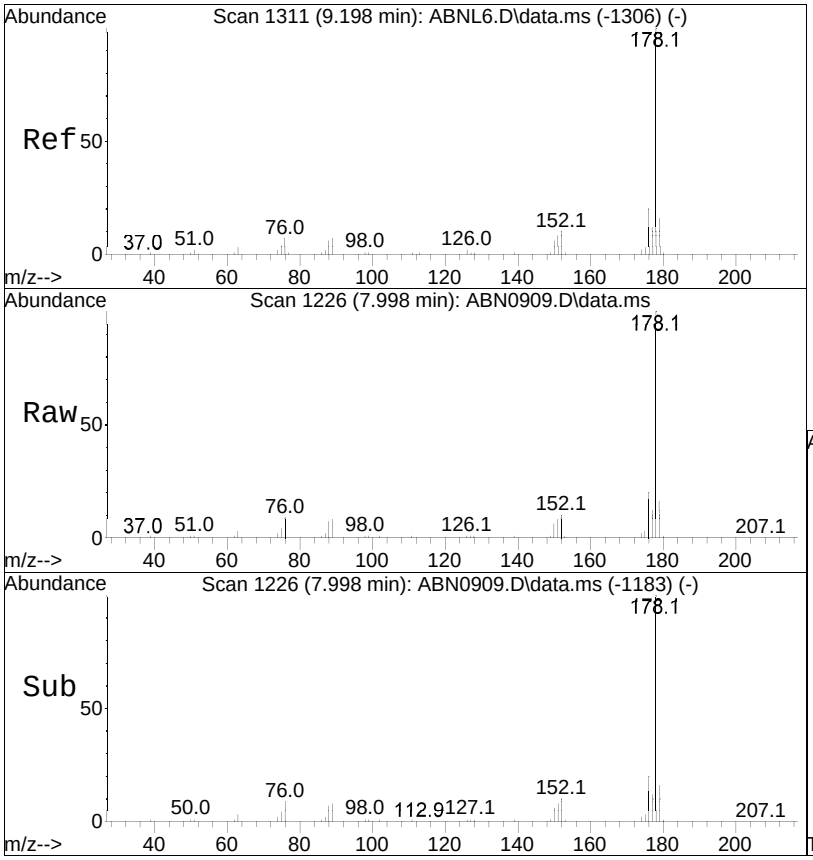


#82
Pentachlorophenol
Concen: 6.20 ug/ml
RT: 7.834 min Scan# 1198
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:266 Resp: 41194

Ion	Ratio	Lower	Upper
266	100		
264	61.5	50.7	76.1
268	62.8	52.5	78.7

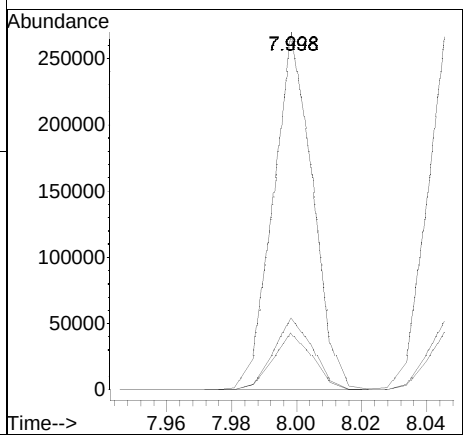


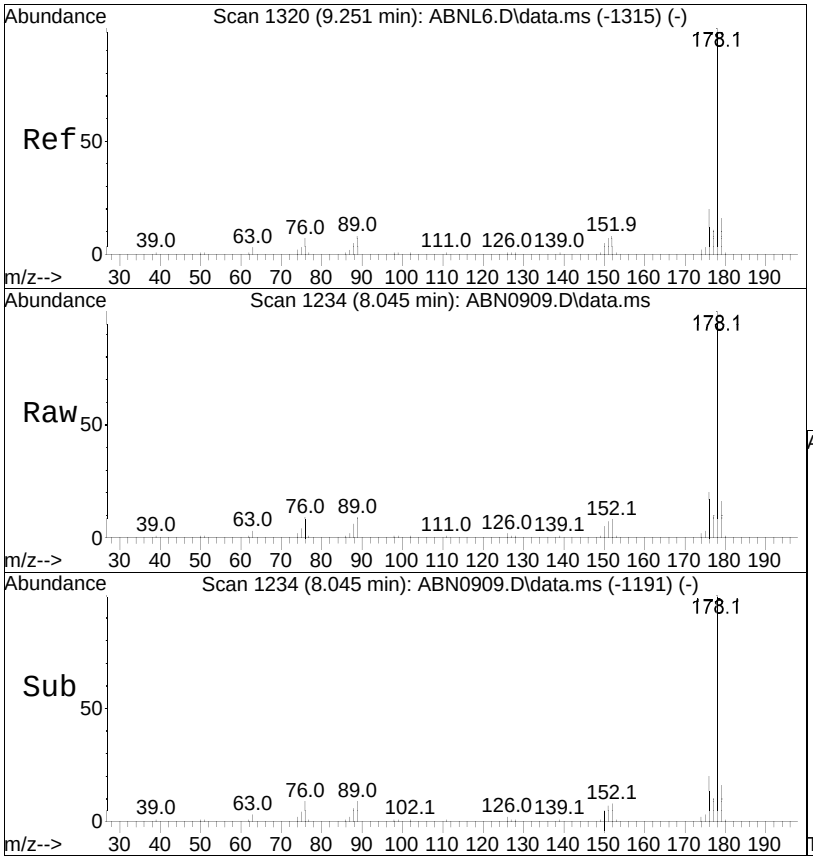


#89
Phenanthrene
Concen: 4.45 ug/ml
RT: 7.998 min Scan# 1226
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:178 Resp: 226929

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	20.0	15.4	23.2

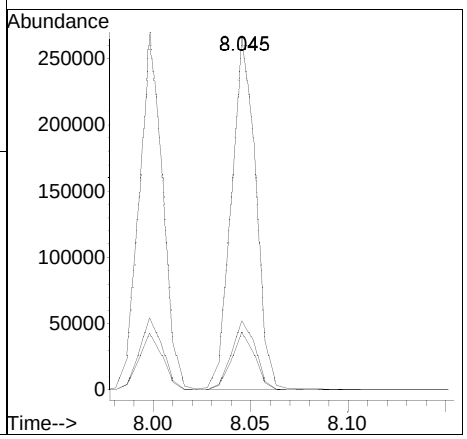


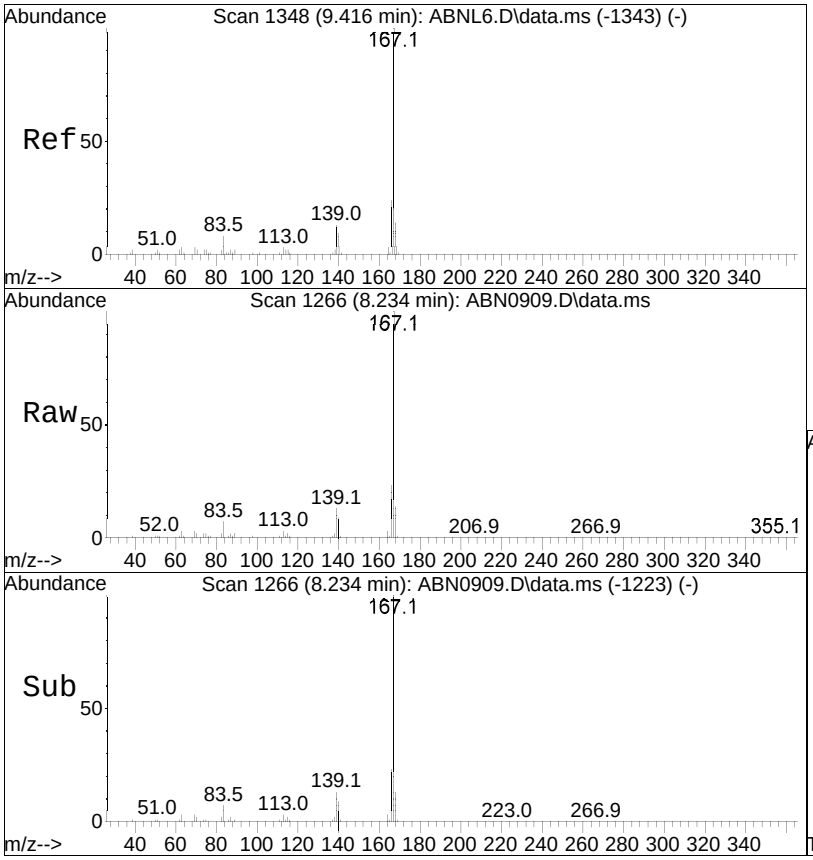


#90
Anthracene
Concen: 4.64 ug/ml
RT: 8.045 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:178 Resp: 231287

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	19.4	15.1	22.7

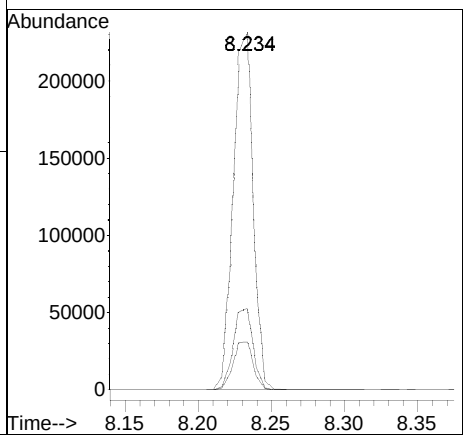


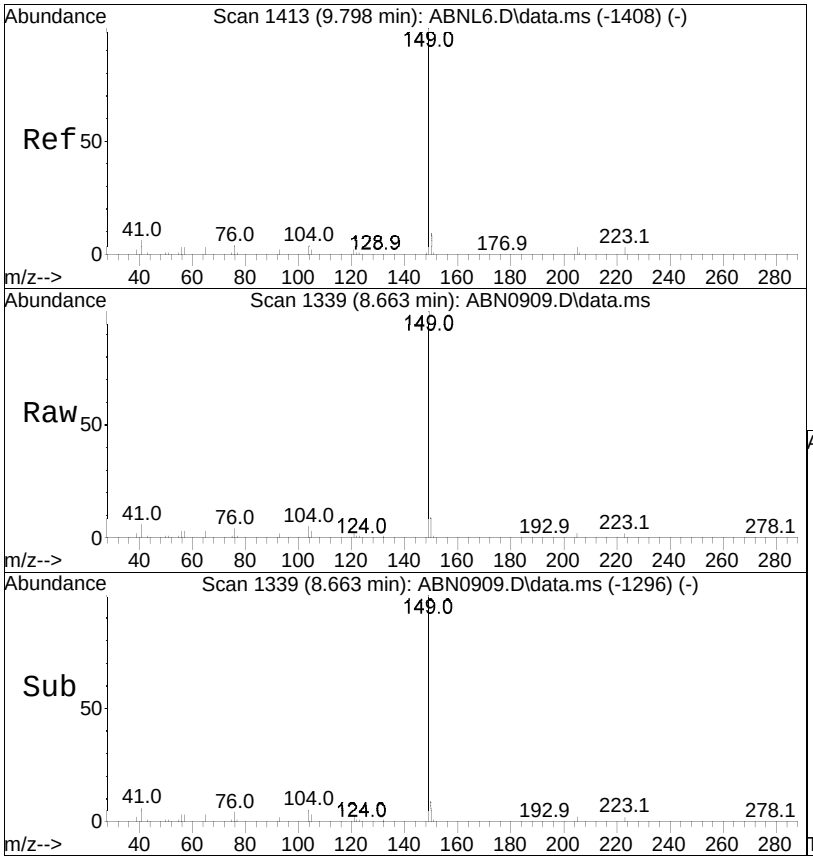


#91
Carbazole
Concen: 4.75 ug/ml
RT: 8.234 min Scan# 1266
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:167 Resp: 216714

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	22.7	17.7	26.5

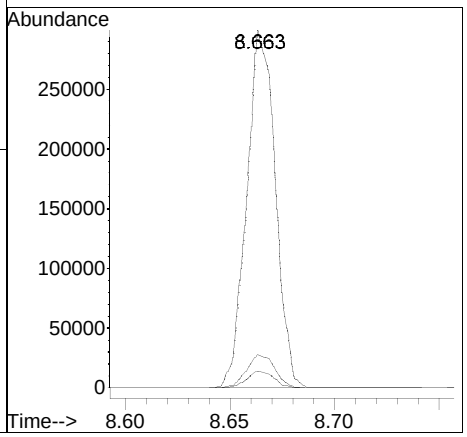


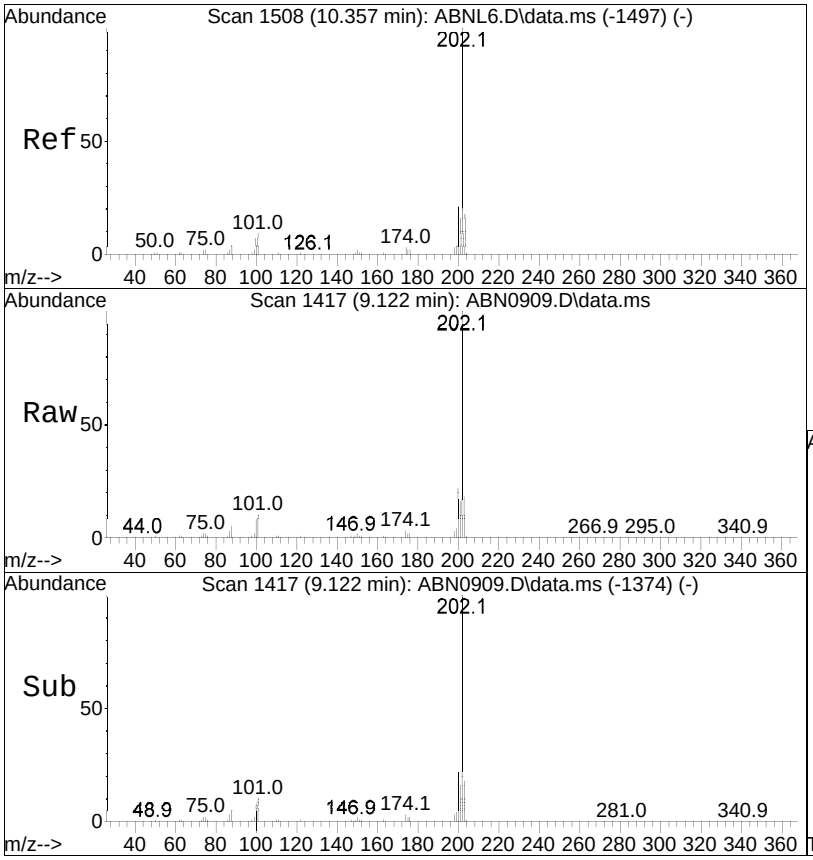


#92
Di-n-butylphthalate
Concen: 5.65 ug/ml
RT: 8.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:149 Resp: 281519

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.6	4.0	6.0

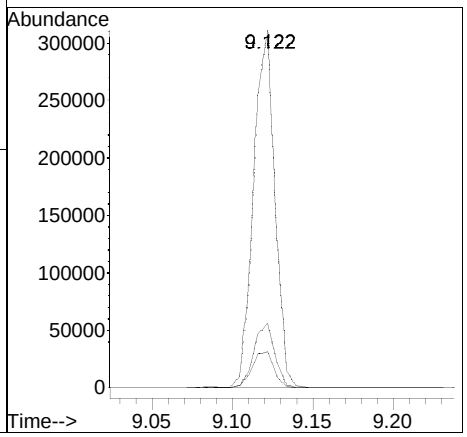


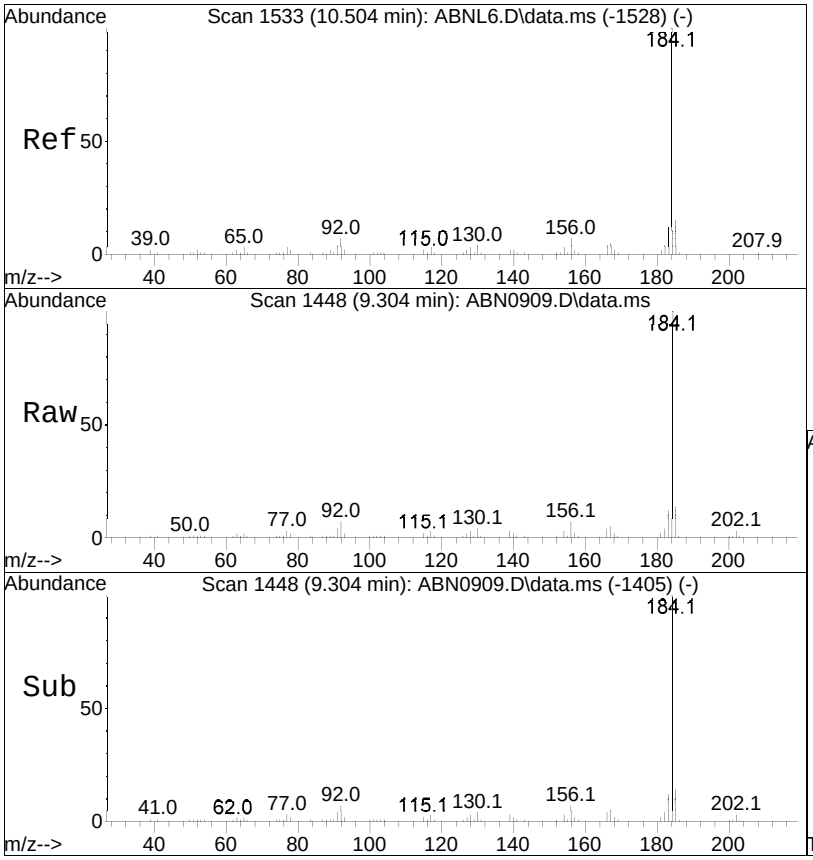


#93
Fluoranthene
Concen: 4.80 ug/ml M3
RT: 9.122 min Scan# 1417
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:202 Resp: 283754

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.2	16.8
203	19.8	13.7	20.5

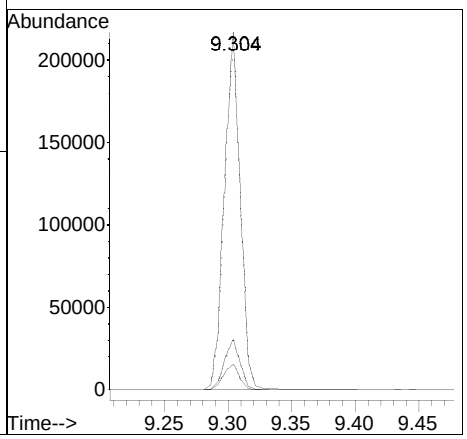


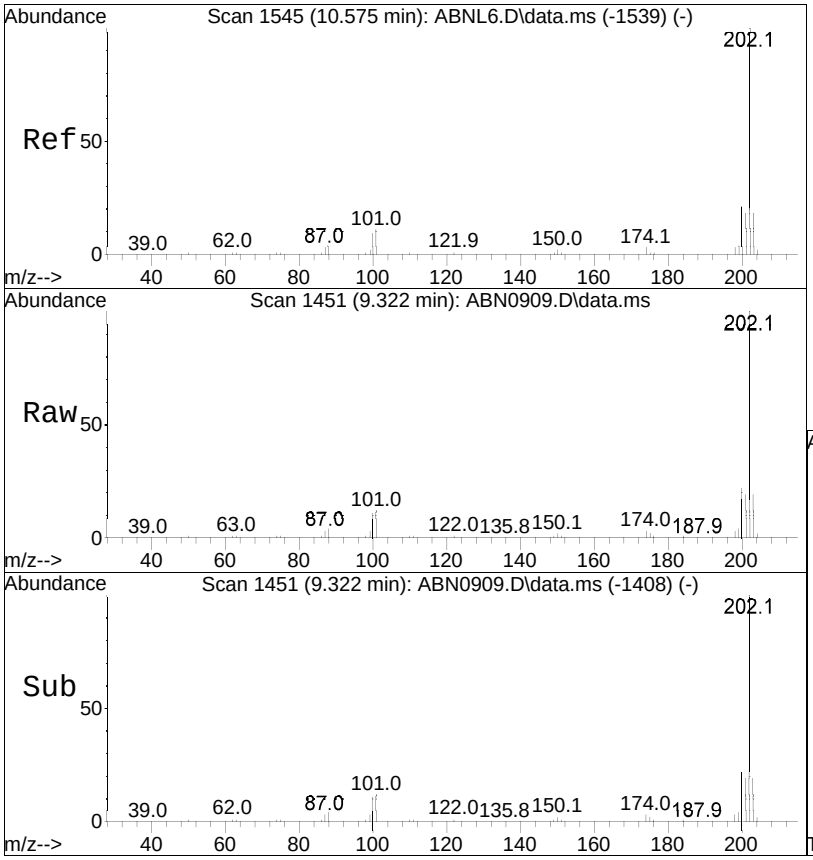


#94
Benzidine
Concen: 5.68 ug/ml
RT: 9.304 min Scan# 1448
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:184 Resp: 184565

Ion	Ratio	Lower	Upper
184	100		
92	7.3	7.3	10.9
185	14.1	11.8	17.8

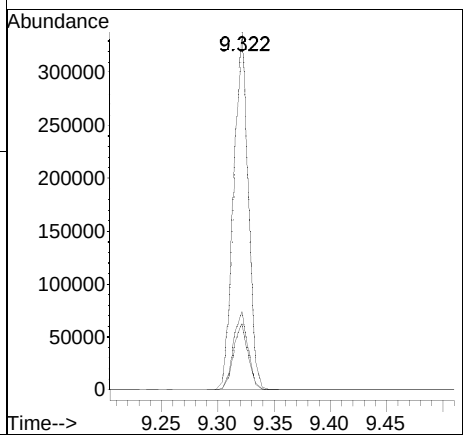


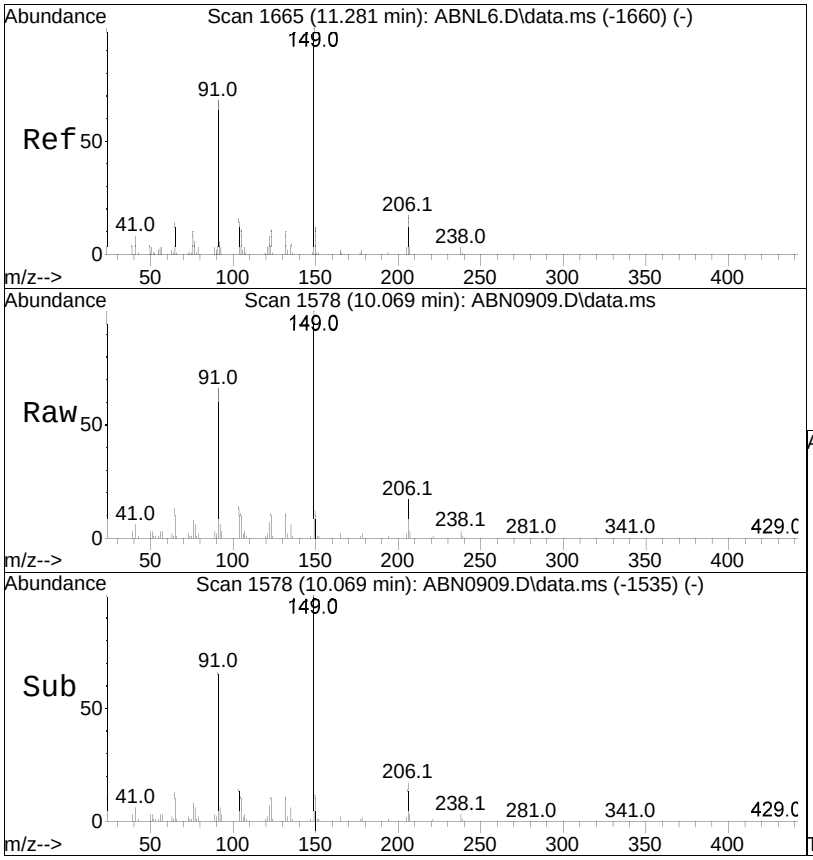


#95
Pyrene
Concen: 4.81 ug/ml
RT: 9.322 min Scan# 1451
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:202 Resp: 301597

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.7	14.3	21.5

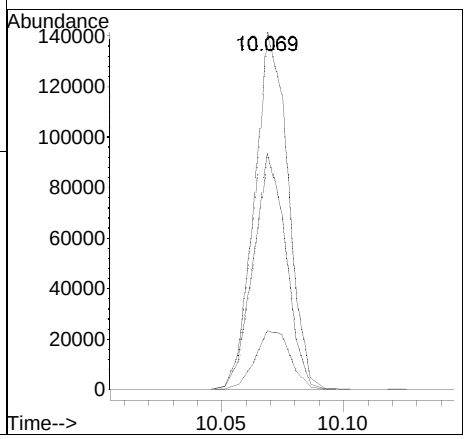


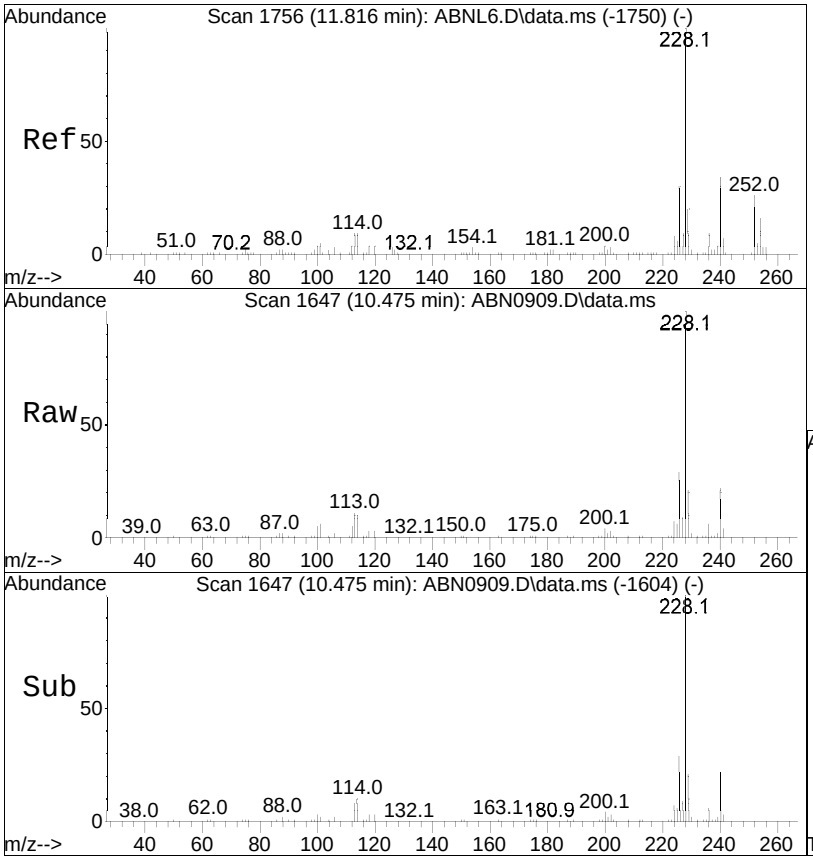


#97
Butyl benzyl phthalate
Concen: 6.11 ug/ml
RT: 10.069 min Scan# 1578
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:149 Resp: 134569

Ion	Ratio	Lower	Upper
149	100		
91	64.6	57.9	86.9
206	17.3	11.9	17.9

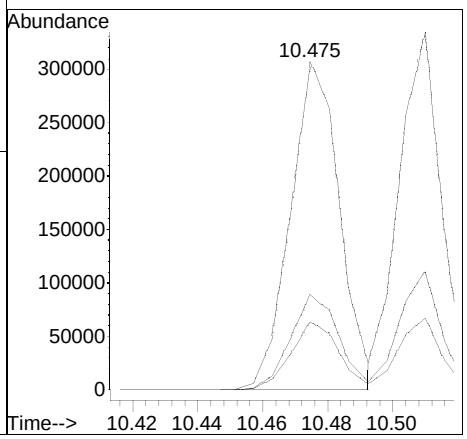


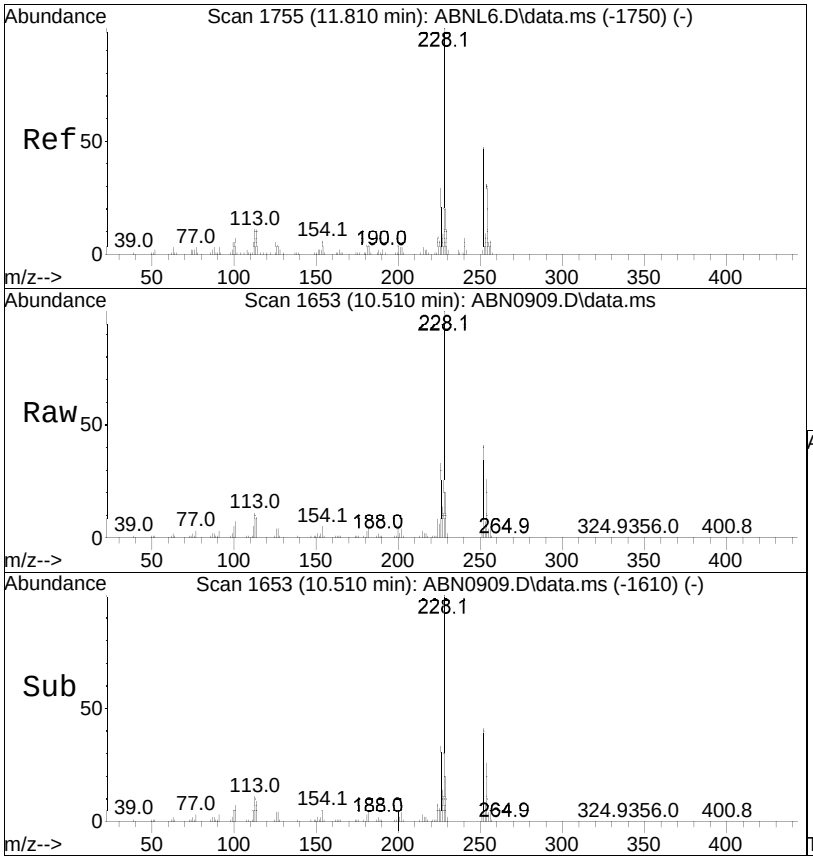


#105
Benzo(a)anthracene
Concen: 4.77 ug/ml
RT: 10.475 min Scan# 1647
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:228 Resp: 321792

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	20.4	15.8	23.6

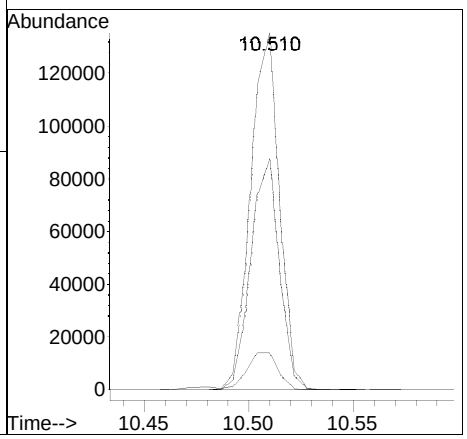


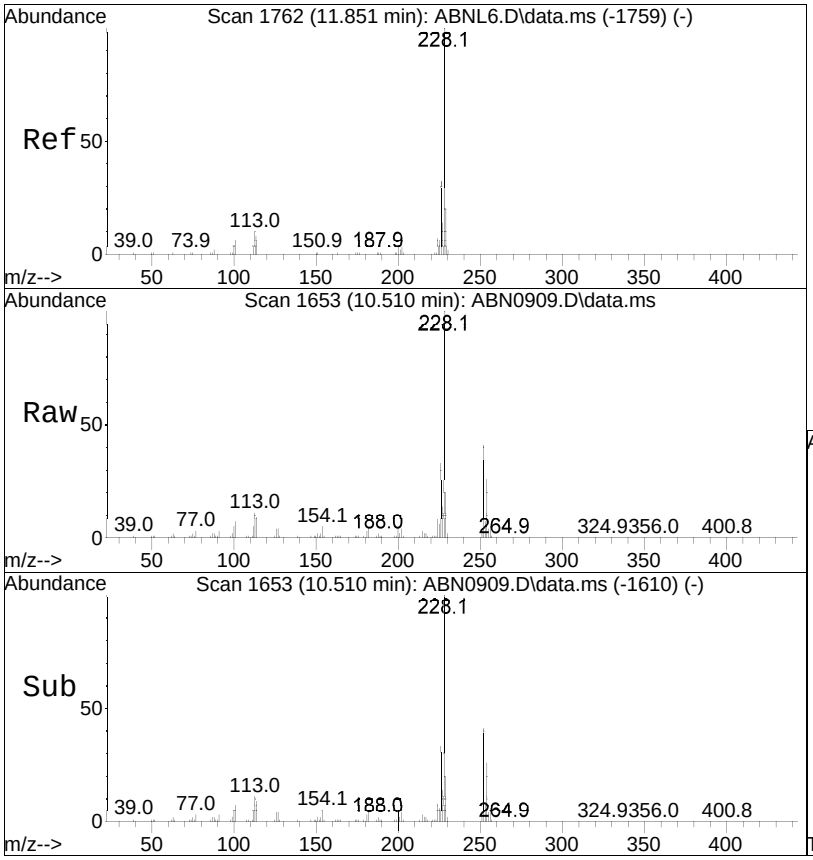


#106
3,3'-Dichlorobenzidine
Concen: 5.26 ug/ml
RT: 10.510 min Scan# 1653
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:252 Resp: 129105

Ion	Ratio	Lower	Upper
252	100		
126	12.5	12.6	19.0#
254	64.1	51.1	76.7

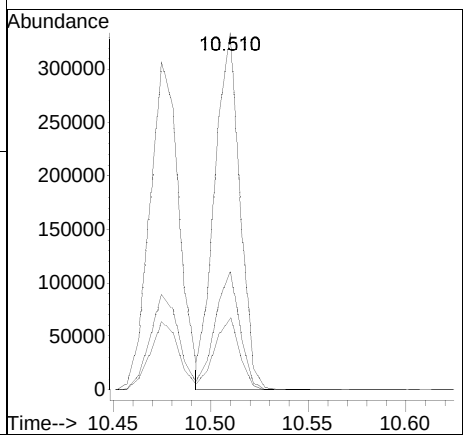


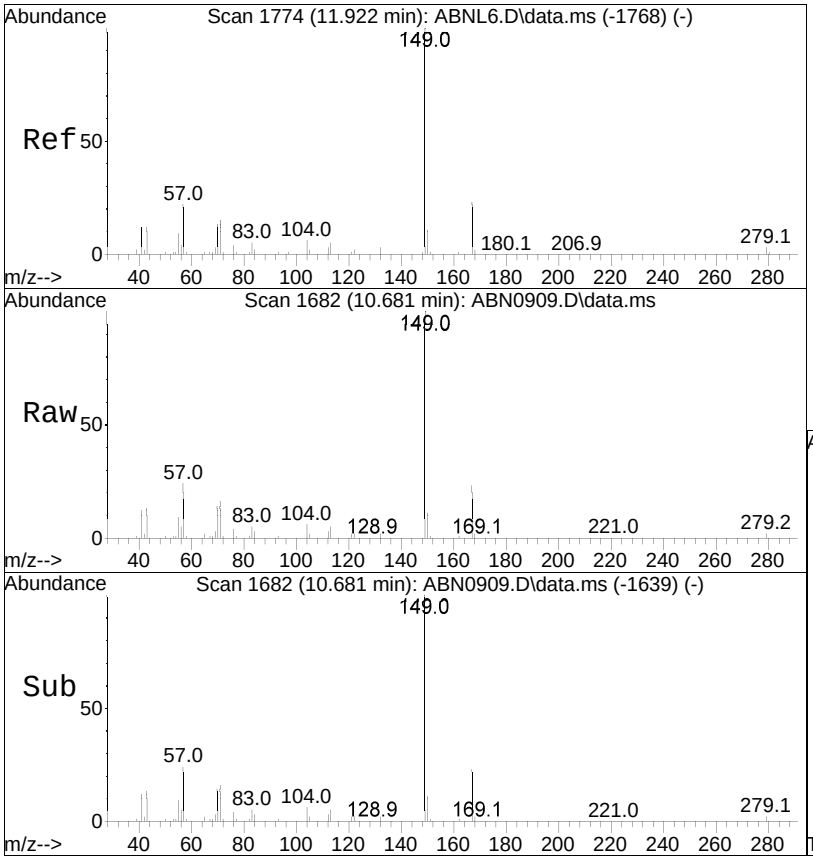


#107
Chrysene
Concen: 4.54 ug/ml
RT: 10.510 min Scan# 1653
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:228 Resp: 299874

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.7	37.1
229	19.9	15.5	23.3

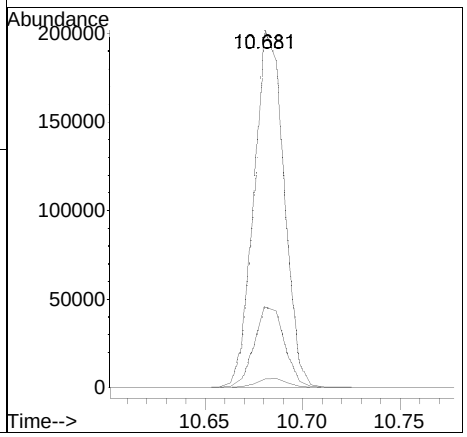


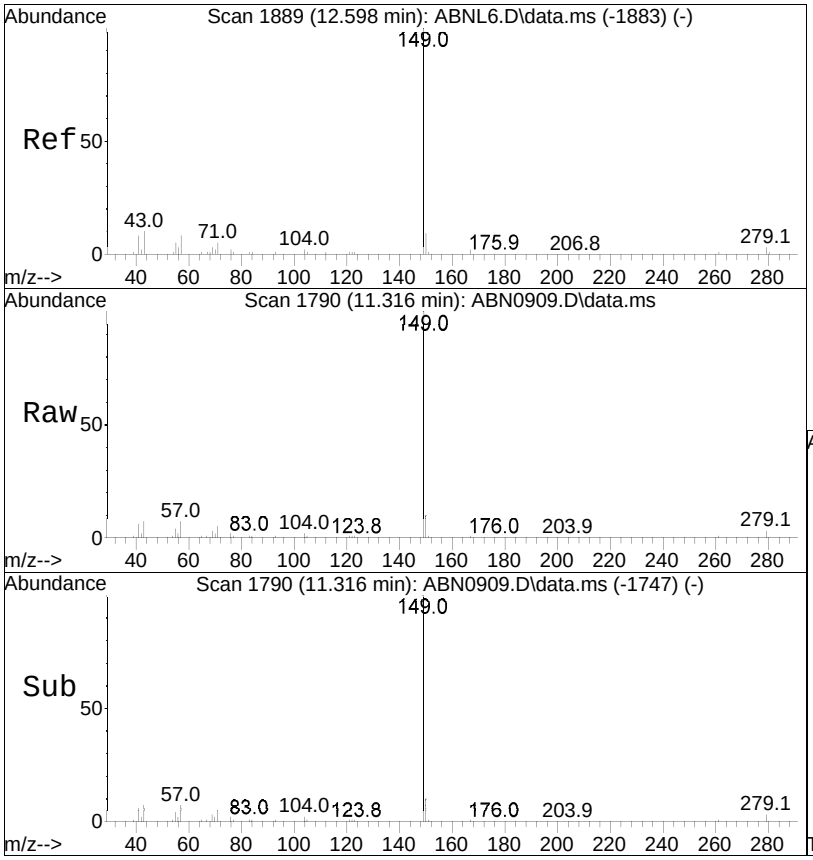


#108
Bis(2-ethylhexyl)phthalate
Concen: 6.35 ug/ml
RT: 10.681 min Scan# 1682
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:149 Resp: 213053

Ion	Ratio	Lower	Upper
149	100		
167	23.0	18.4	27.6
279	2.4	1.7	2.5

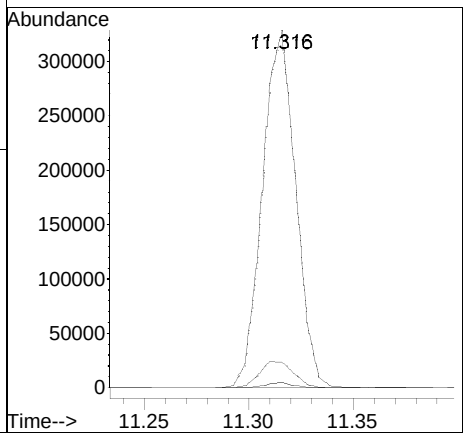


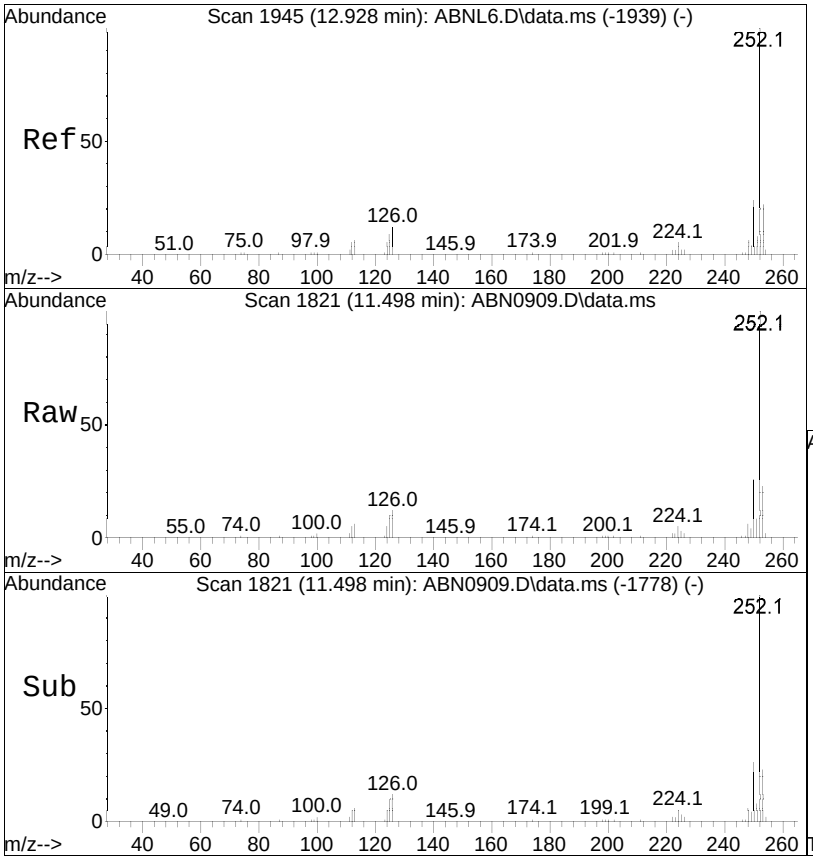


#109
Di-n-octylphthalate
Concen: 6.98 ug/ml
RT: 11.316 min Scan# 1790
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:149 Resp: 358457

Ion	Ratio	Lower	Upper
149	100		
43	7.9	8.2	12.2#
167	1.3	1.1	1.7

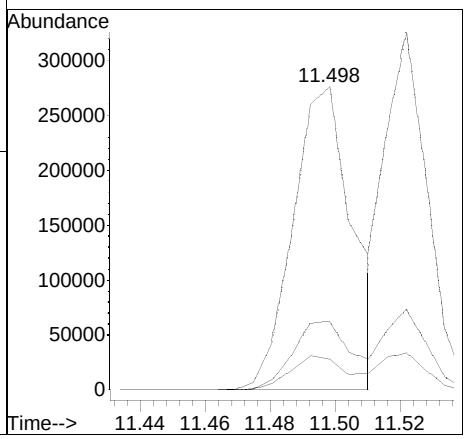


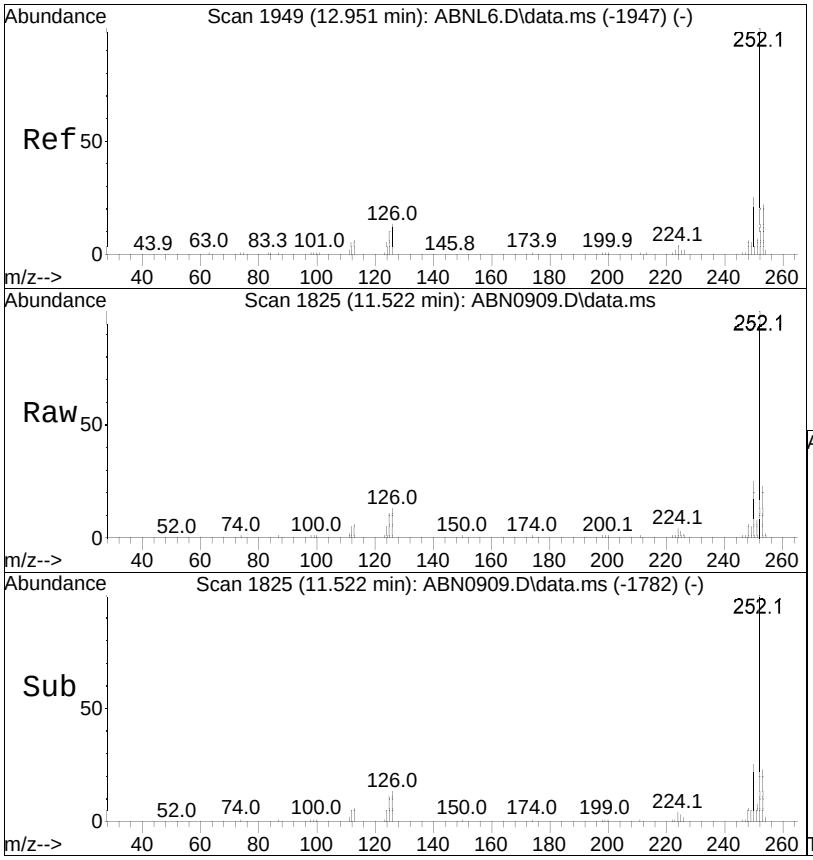


#110
Benzo(b)fluoranthene
Concen: 5.11 ug/ml
RT: 11.498 min Scan# 1821
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:252 Resp: 353648

Ion	Ratio	Lower	Upper
252	100		
125	9.8	11.3	16.9#
253	22.8	17.8	26.8

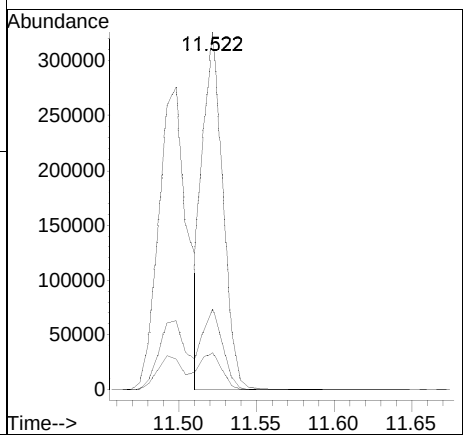


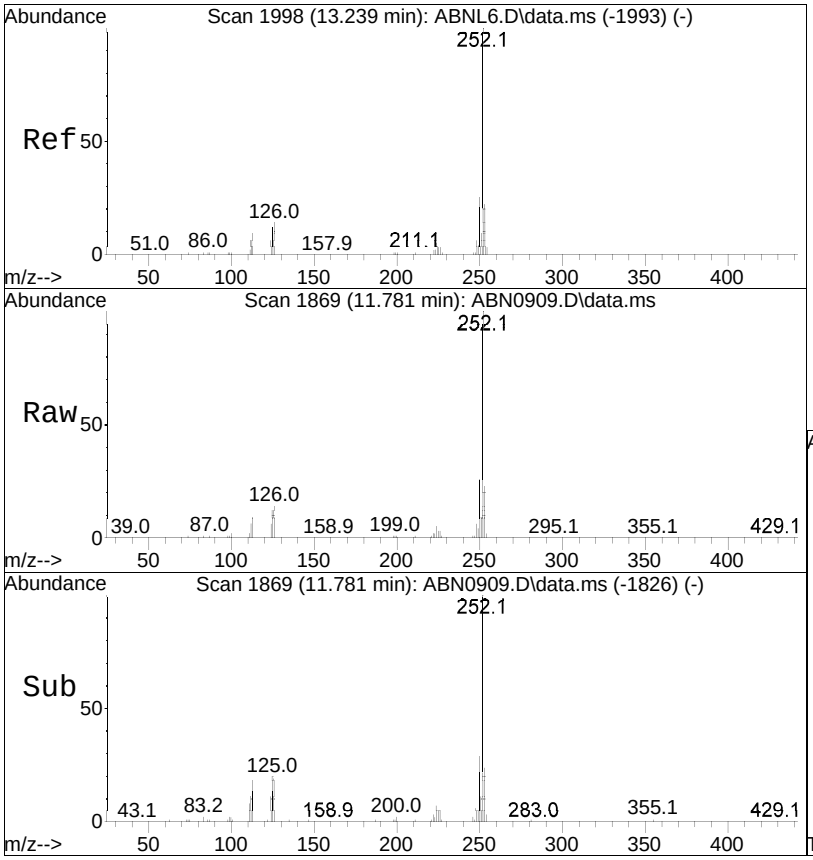


#111
Benzo(k)fluoranthene
Concen: 4.66 ug/ml M3
RT: 11.522 min Scan# 1825
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:252 Resp: 294195

Ion	Ratio	Lower	Upper
252	100		
125	11.8	11.5	17.3
253	27.4	17.6	26.4#

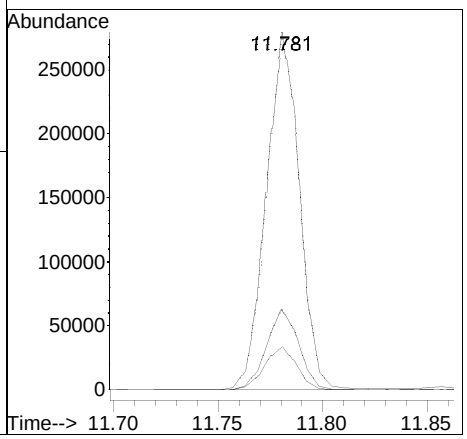


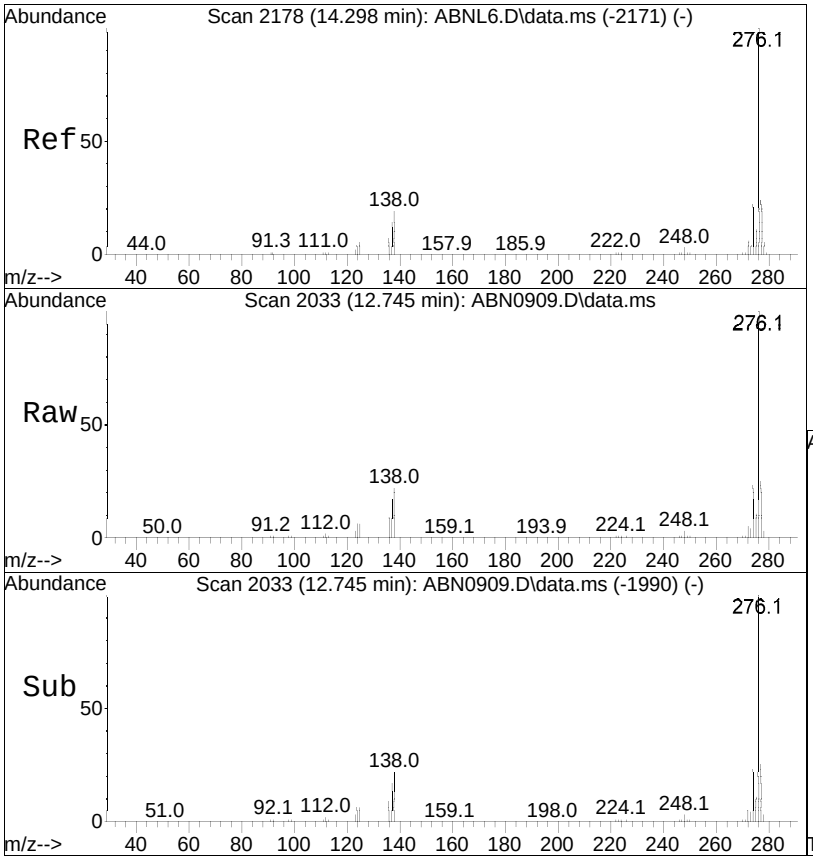


#112
Benzo(a)pyrene
Concen: 5.04 ug/ml
RT: 11.781 min Scan# 1869
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:252 Resp: 304179

Ion	Ratio	Lower	Upper
252	100		
125	12.0	12.6	18.8#
253	22.2	17.5	26.3

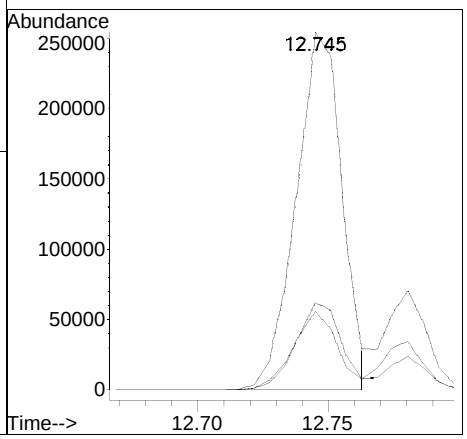


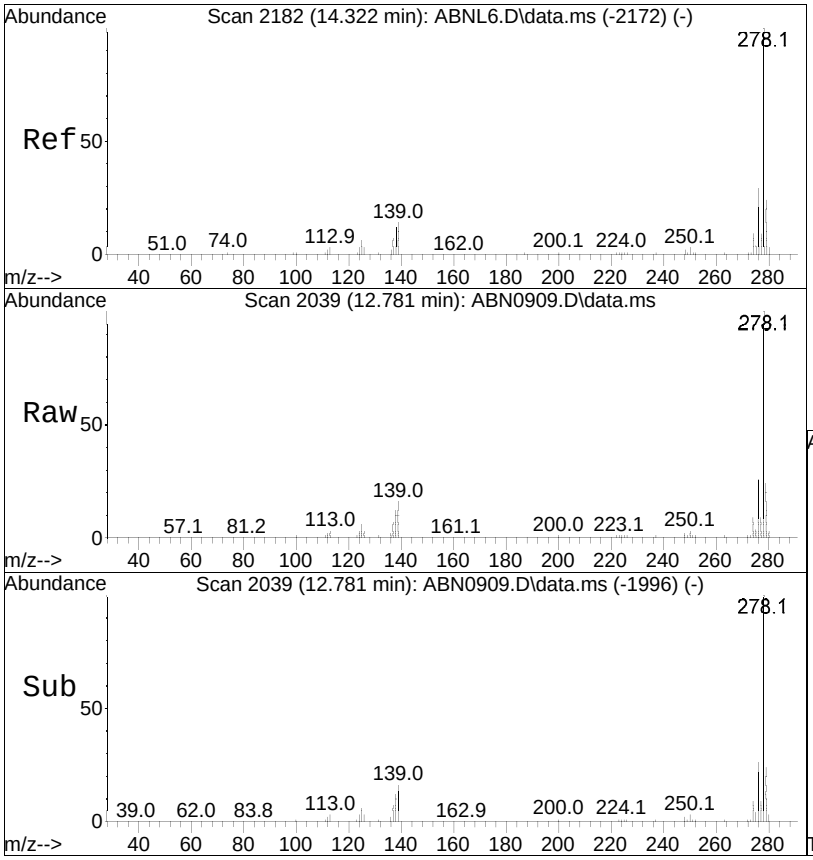


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.46 ug/mL M3
RT: 12.745 min Scan# 2033
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:276 Resp: 309976

Ion	Ratio	Lower	Upper
276	100		
138	21.8	22.1	33.1#
277	23.8	19.0	28.6

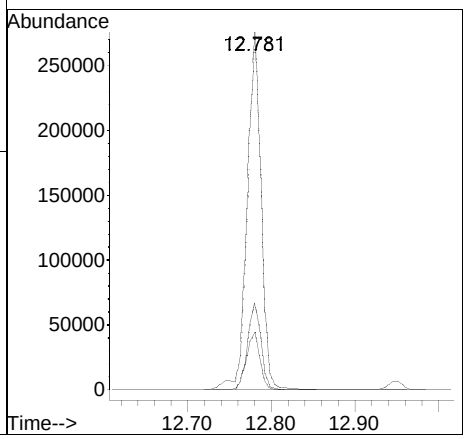


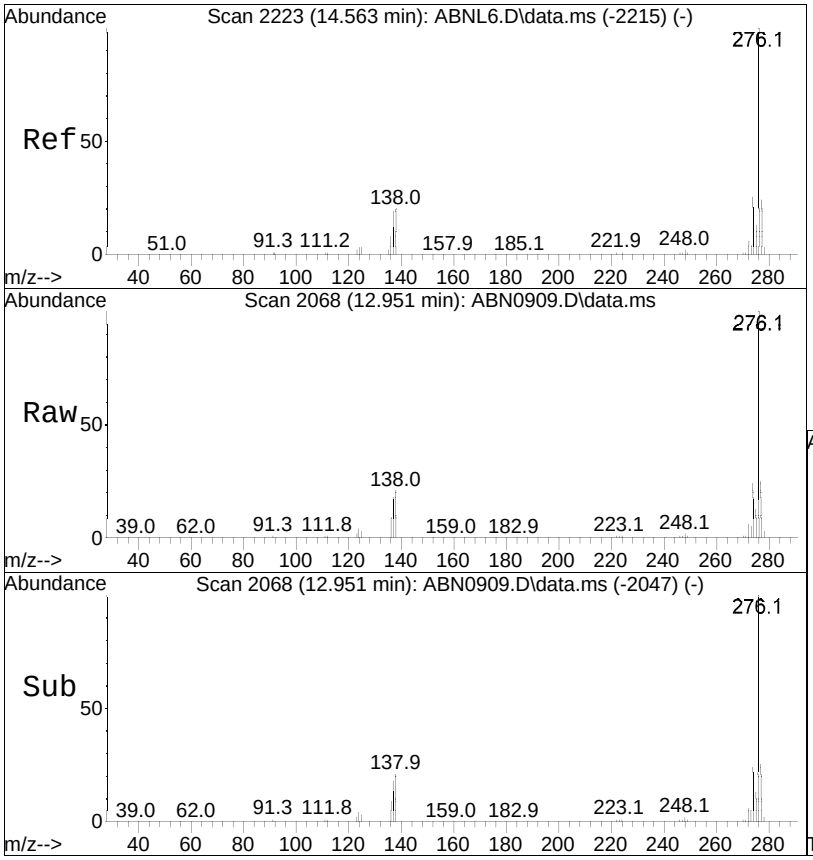


#115
Dibenzo(a,h)anthracene
Concen: 4.76 ug/ml
RT: 12.781 min Scan# 2039
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:278 Resp: 315928

Ion	Ratio	Lower	Upper
278	100		
139	15.8	17.8	26.8#
279	23.8	19.2	28.8

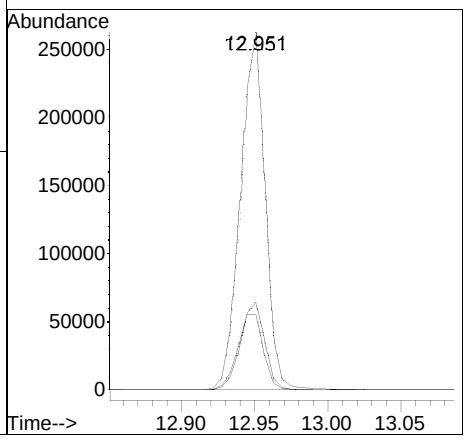




#116
Benzo(ghi)perylene
Concen: 4.55 ug/ml
RT: 12.951 min Scan# 2068
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 09 Sep 2024 01:23 pm

Tgt Ion:276 Resp: 304406

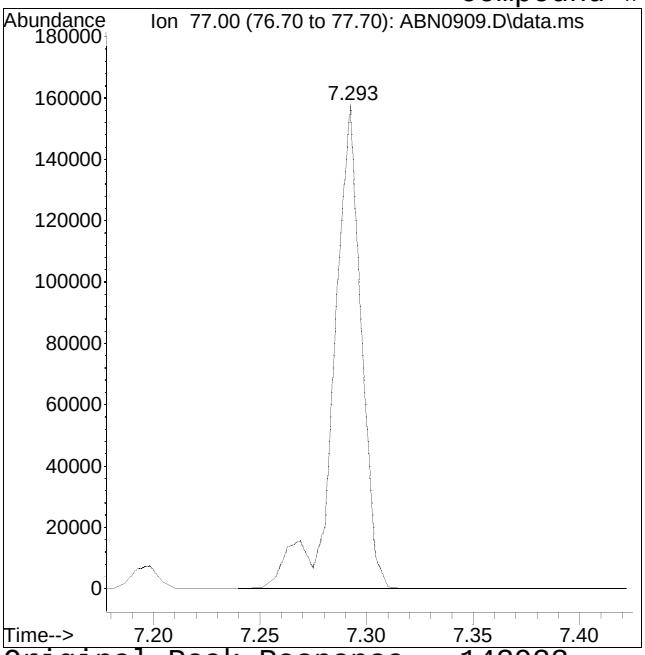
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.9	32.9
277	24.5	18.4	27.6



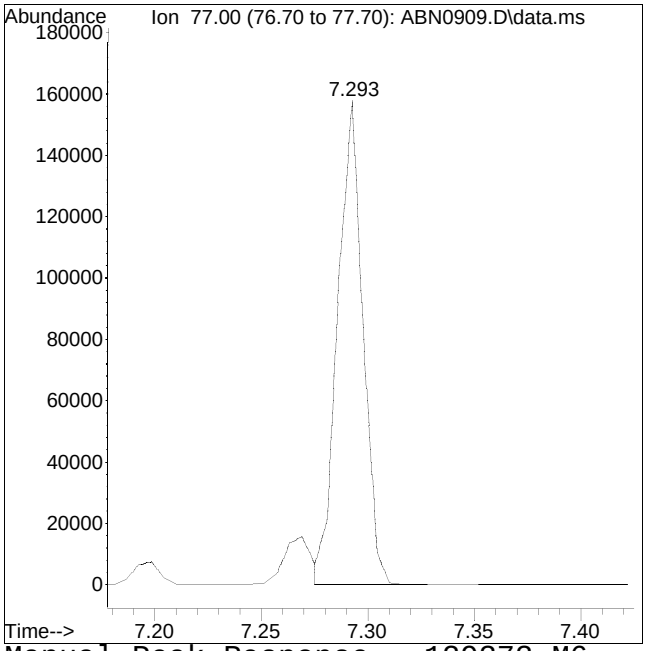
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0909.D Operator : SV112:ljg
Date Inj'd : 9/9/2024 1:23 pm Instrument : SV112
Sample : WG1969270-3,32,,ABN 10908 Quant Date : 9/9/2024 1:47 pm

Compound #78: Azobenzene



Original Peak Response = 143933



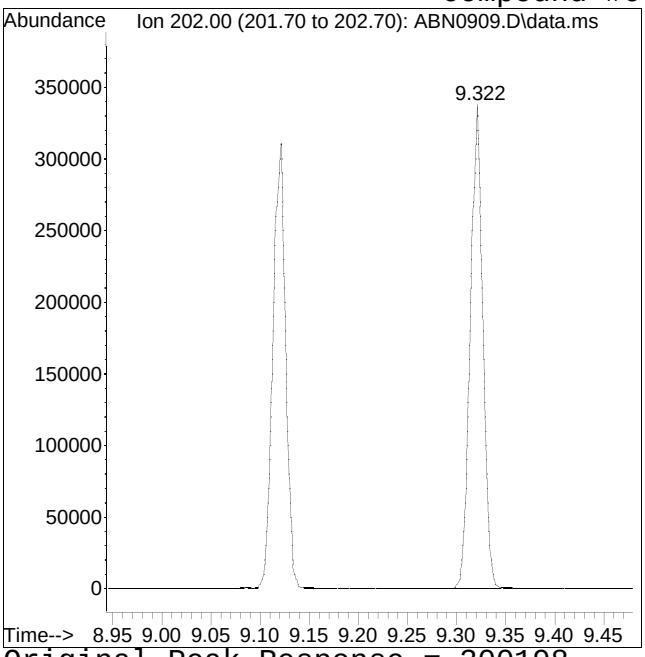
Manual Peak Response = 129373 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

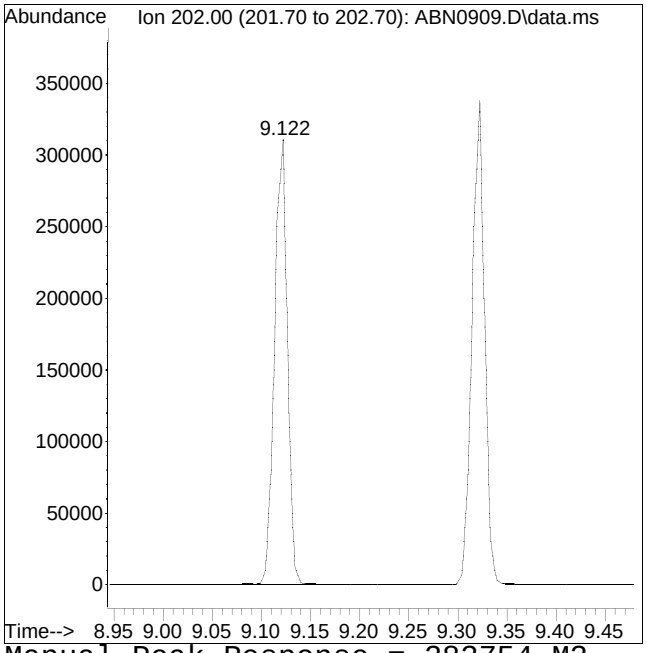
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0909.D Operator : SV112:ljg
Date Inj'd : 9/9/2024 1:23 pm Instrument : SV112
Sample : WG1969270-3,32,,ABN 10908 Quant Date : 9/9/2024 1:47 pm

Compound #93: Fluoranthene



Original Peak Response = 300198



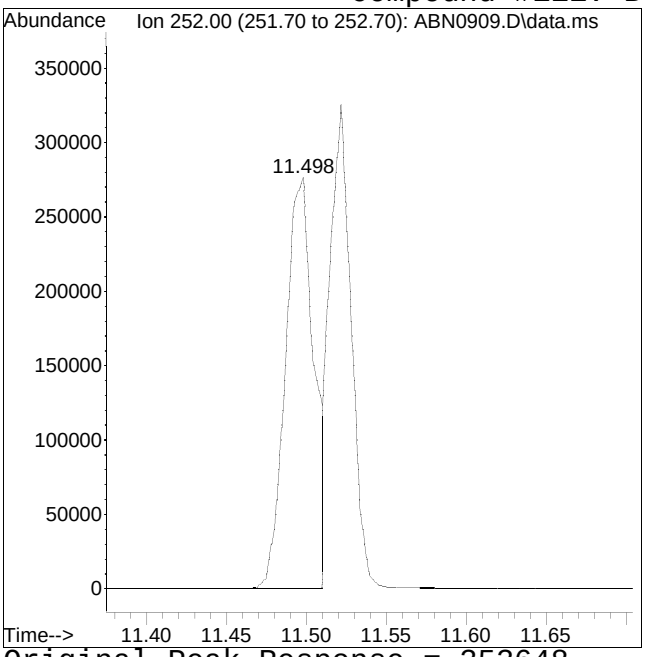
Manual Peak Response = 283754 M3

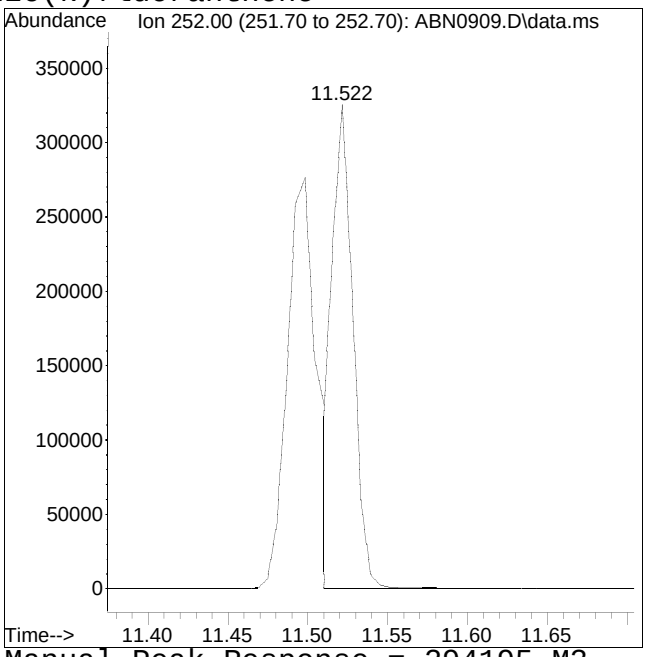
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0909.D Operator : SV112:ljg
Date Inj'd : 9/9/2024 1:23 pm Instrument : SV112
Sample : WG1969270-3,32,,ABN 10908 Quant Date : 9/9/2024 1:47 pm

Compound #111: Benzo(k)fluoranthene





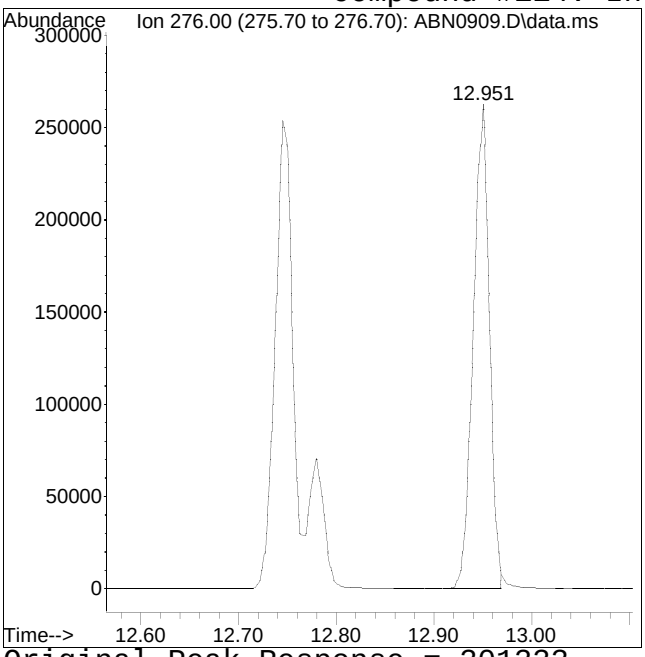
Original Peak Response = 353648 Manual Peak Response = 294195 M3

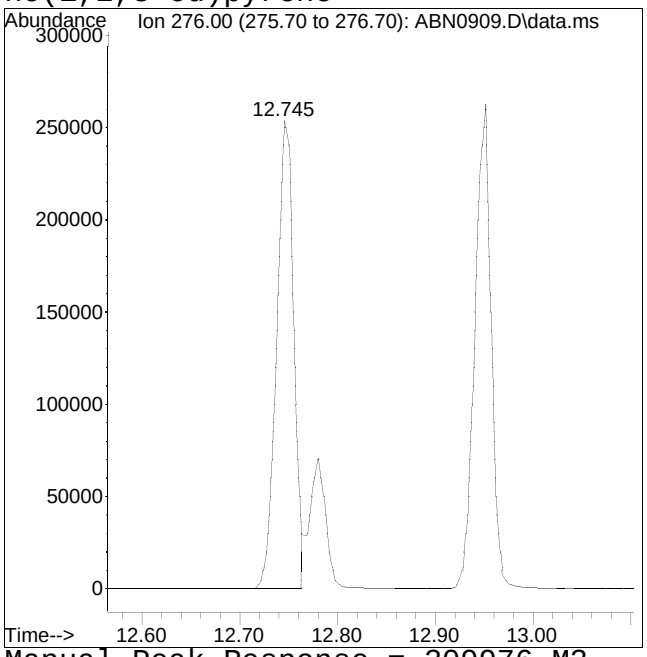
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0909.D Operator : SV112:ljg
Date Inj'd : 9/9/2024 1:23 pm Instrument : SV112
Sample : WG1969270-3,32,,ABN 10908 Quant Date : 9/9/2024 1:47 pm

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 301333 Manual Peak Response = 309976 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240909RVT\
Data File : AP90909.D
Acq On : 09 Sep 2024 01:45 pm
Operator : SV112:ljg
Sample : WG1969270-4,32,,AP9 10909 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 06:34:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 06:35:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	143	0.00
28	T	Benzaldehyde		1.094	0.943	13.8	124	0.00
29	T	Acetophenone		1.903	1.639	13.9	117	0.00
30	T	m-Toluidine		1.828	1.588	13.1	118	0.00
31	T	2-Chloroaniline		1.742	1.452	16.6	116	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	140	0.00
56	T	a-Terpineol		0.277	0.255	7.9	127	0.00
57	T	3-Chloroaniline		0.150	0.130	13.3	122	0.00
58	T	2,6-Dichlorophenol		0.326	0.299	8.3	124	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.134	6.3	128	0.00
60	T	Caprolactam	*	5.000	4.574	8.5	136	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.400	16.5	118	0.00
62	T	Biphenyl		1.026	0.837	18.4	115	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	144	0.00
84	T	Dichloran	*	5.000	4.649	7.0	154	0.00
85	T	Pentachloronitrobenzene		0.235	0.234	0.4	149	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	152	0.00
99	T	Diphenamid		0.515	0.472	8.3	135	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : AP90909.D
Acq On : 09 Sep 2024 01:45 pm
Operator : SV112:ljg
Sample : WG1969270-4,32,,AP9 10909 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 06:34:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 06:35:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.646	152	30314	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	4.904	136	114336	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	6.587	164	74590	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	7.975	188	179512	4.000	ug/ml	# 0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.187	105	35734	4.312	ug/ml	98
29) Acetophenone	4.081	105	62107	4.306	ug/ml	94
30) m-Toluidine	4.175	106	60170	4.343	ug/ml	97
31) 2-Chloroaniline	4.528	127	55018	4.168	ug/ml	99
56) a-Terpineol	4.999	59	36397	4.593	ug/ml	93
57) 3-Chloroaniline	5.004	65	18579	4.328	ug/ml	96
58) 2,6-Dichlorophenol	5.028	162	42703	4.580	ug/ml	99
59) 1-chloro-2-nitrobenzene	5.275	111	19154	4.679	ug/ml	94
60) Caprolactam	5.322	55	21457	4.574	ug/ml	92
61) 1,2,4,5-Tetrachloroben...	5.775	216	57190	4.176	ug/ml	95
62) Biphenyl	6.069	154	119603	4.077	ug/ml	98
84) Dichloran	7.704	206	19813	4.649	ug/ml#	66
85) Pentachloronitrobenzene	7.845	237	21779	4.975	ug/ml#	79
99) Diphenamid	8.910	167	105964	4.585	ug/ml	86

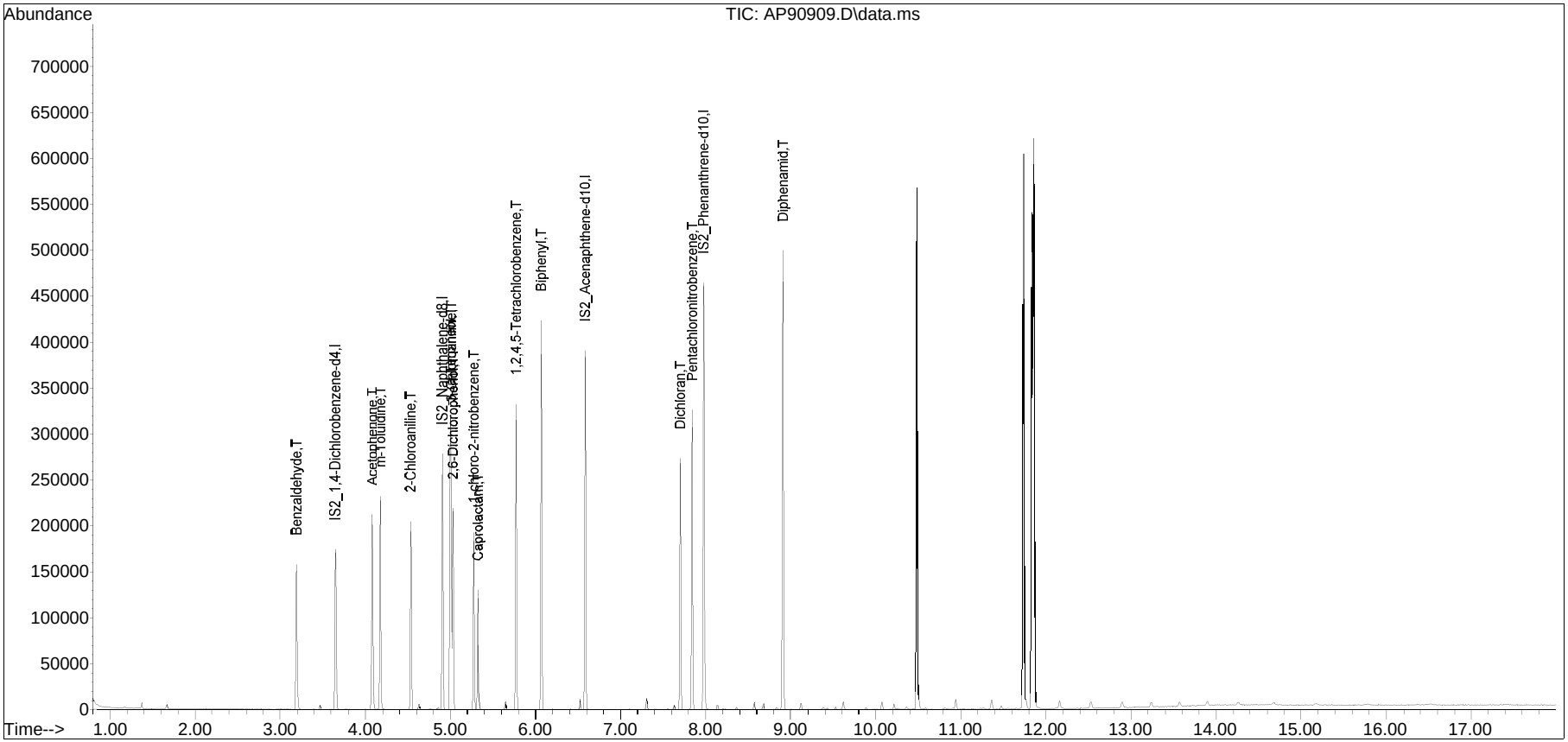
(#) = qualifier out of range (m) = manual integration (+) = signals summed

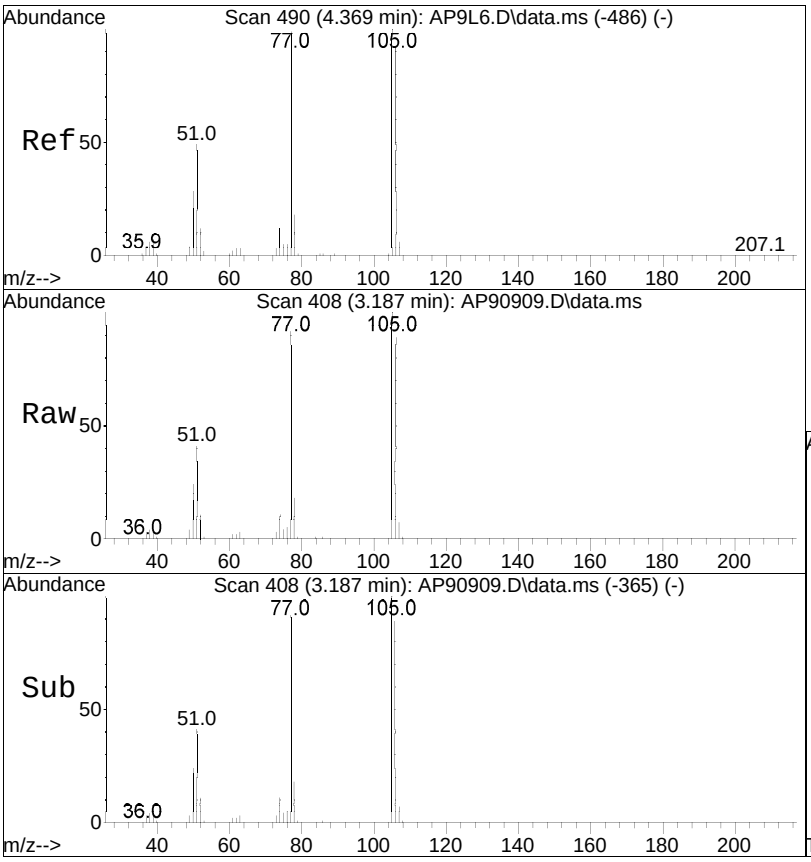
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : AP90909.D
Acq On : 09 Sep 2024 01:45 pm
Operator : SV112:ljg
Sample : WG1969270-4,32,,AP9 10909 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 06:34:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 06:35:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

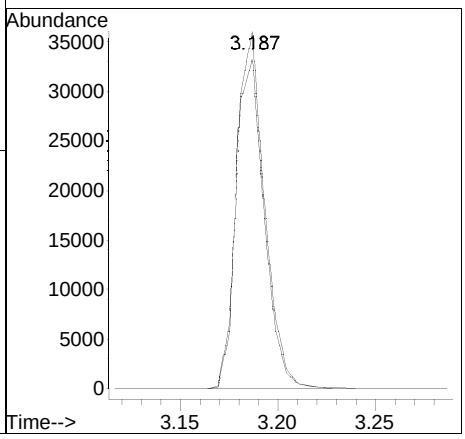


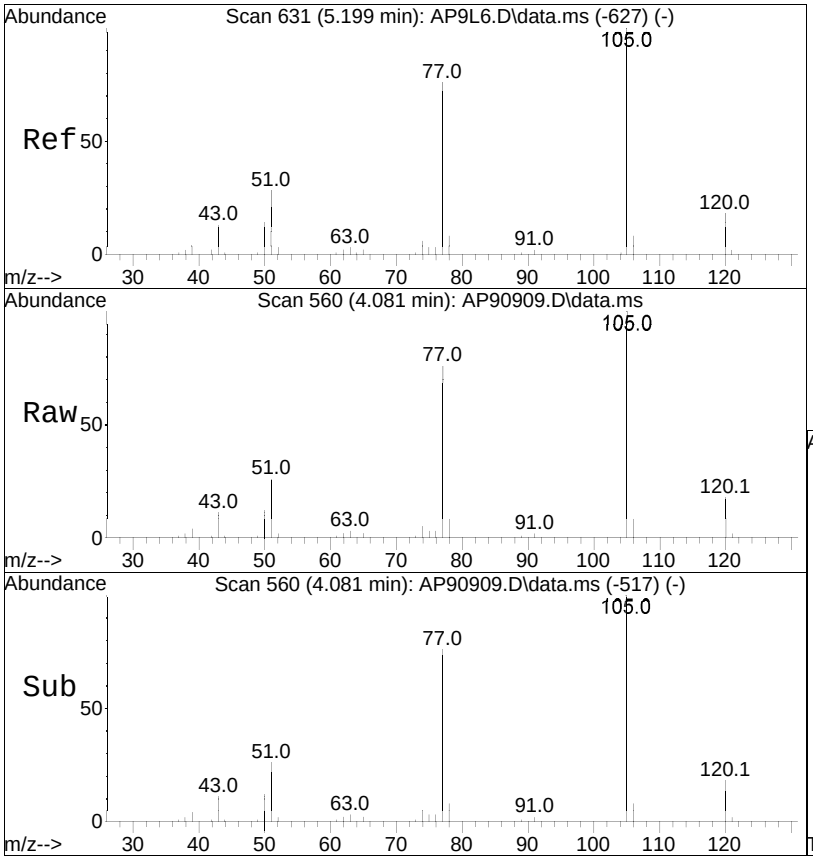


#28
Benzaldehyde
Concen: 4.31 ug/ml
RT: 3.187 min Scan# 408
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:105 Resp: 35734

Ion	Ratio	Lower	Upper
105	100		
77	94.2	77.0	115.6

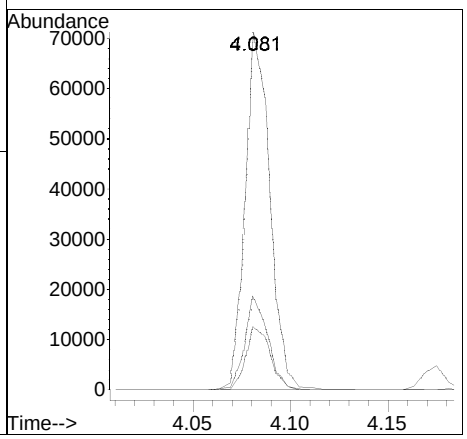


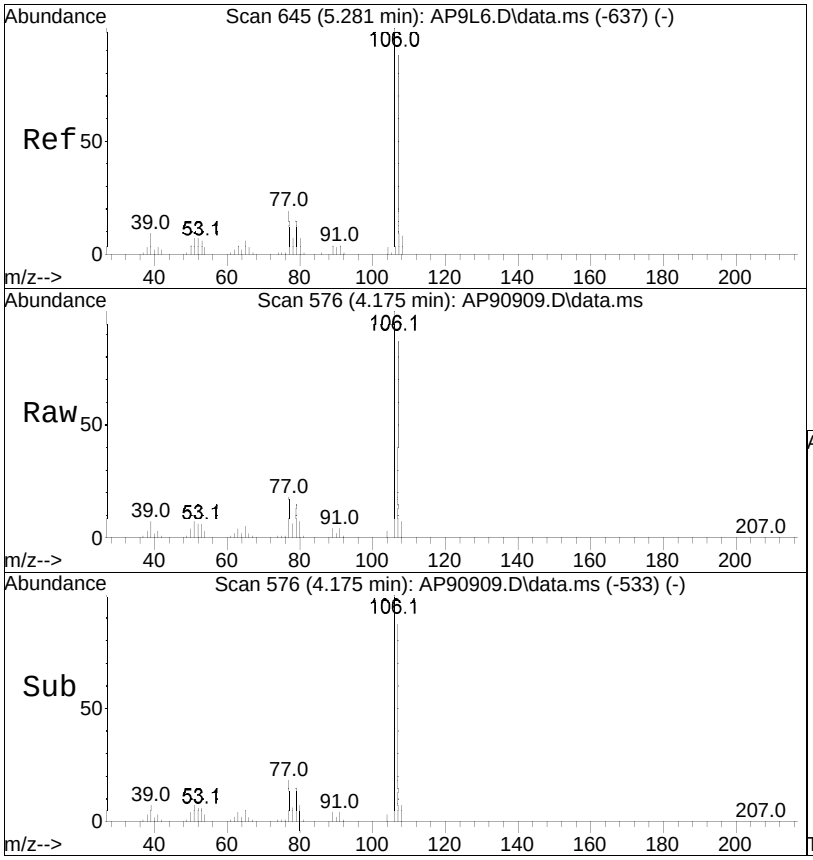


#29
Acetophenone
Concen: 4.31 ug/ml
RT: 4.081 min Scan# 560
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:105 Resp: 62107

Ion	Ratio	Lower	Upper
105	100		
120	17.5	15.2	22.8
51	24.7	23.1	34.7

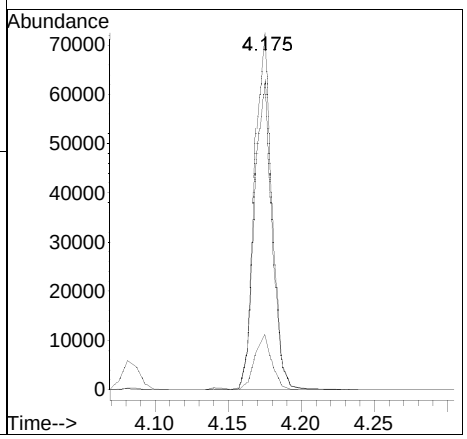


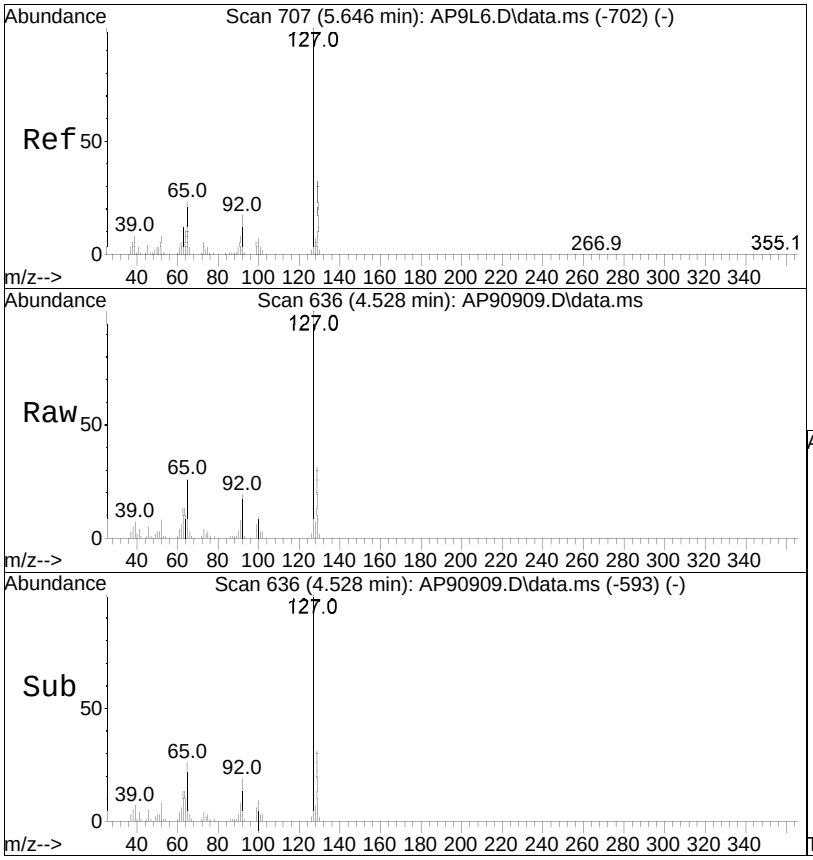


#30
m-Toluidine
Concen: 4.34 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:106 Resp: 60170

Ion	Ratio	Lower	Upper
106	100		
107	87.5	72.3	108.5
79	15.0	12.2	18.2

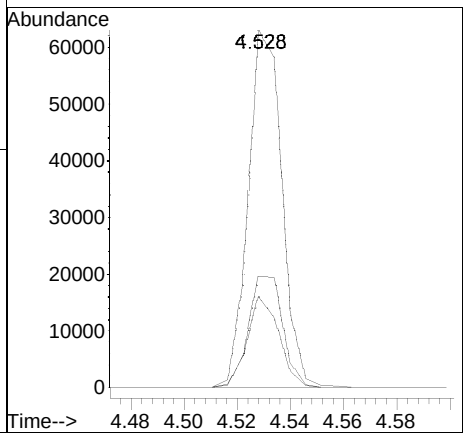


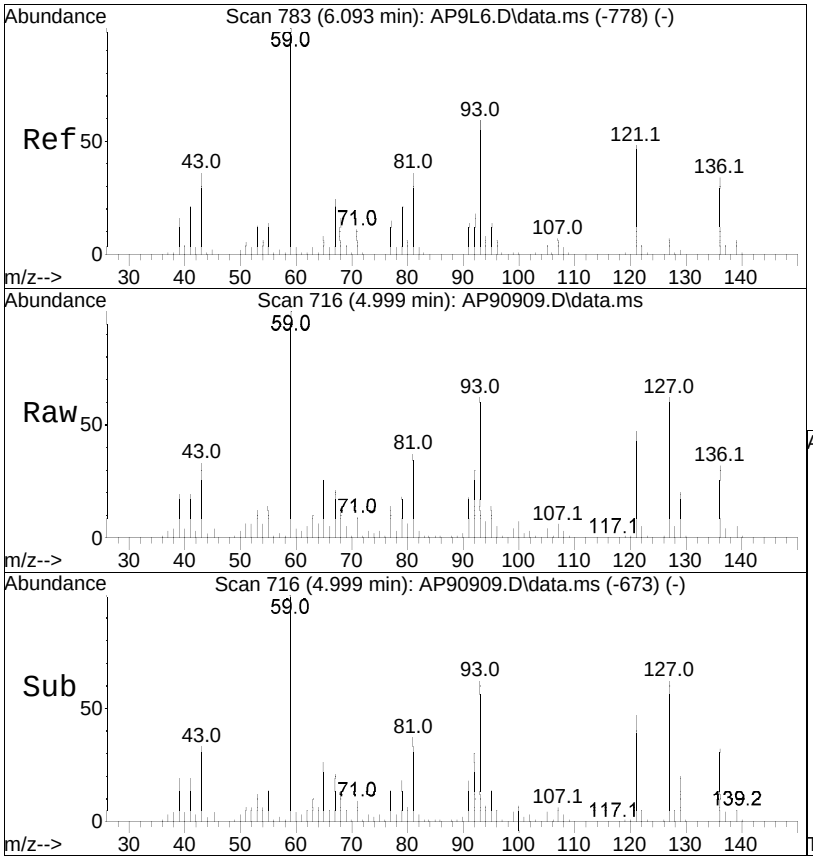


#31
2-Chloroaniline
Concen: 4.17 ug/ml
RT: 4.528 min Scan# 636
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:127 Resp: 55018

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	24.3	20.5	30.7

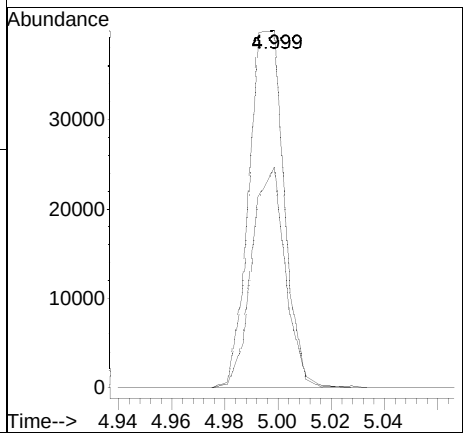


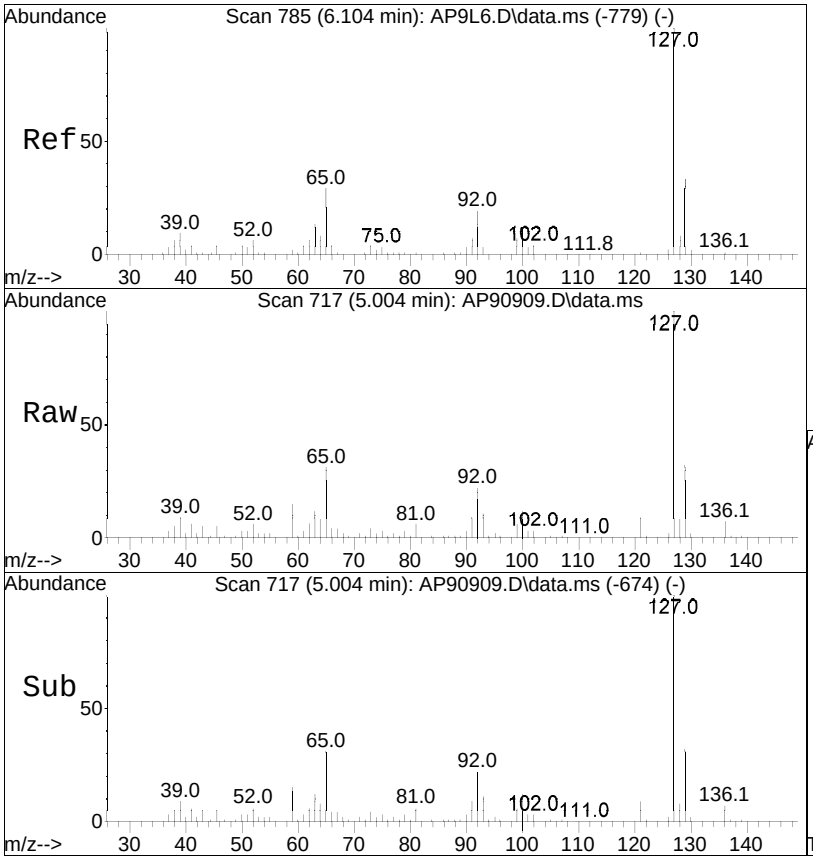


#56
a-Terpineol
Concen: 4.59 ug/ml
RT: 4.999 min Scan# 716
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion: 59 Resp: 36397

Ion	Ratio	Lower	Upper
59	100		
93	59.5	43.5	65.3

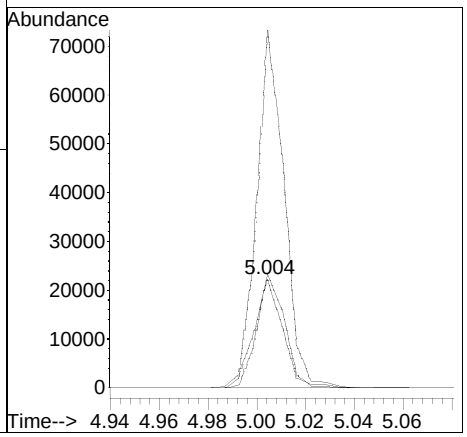


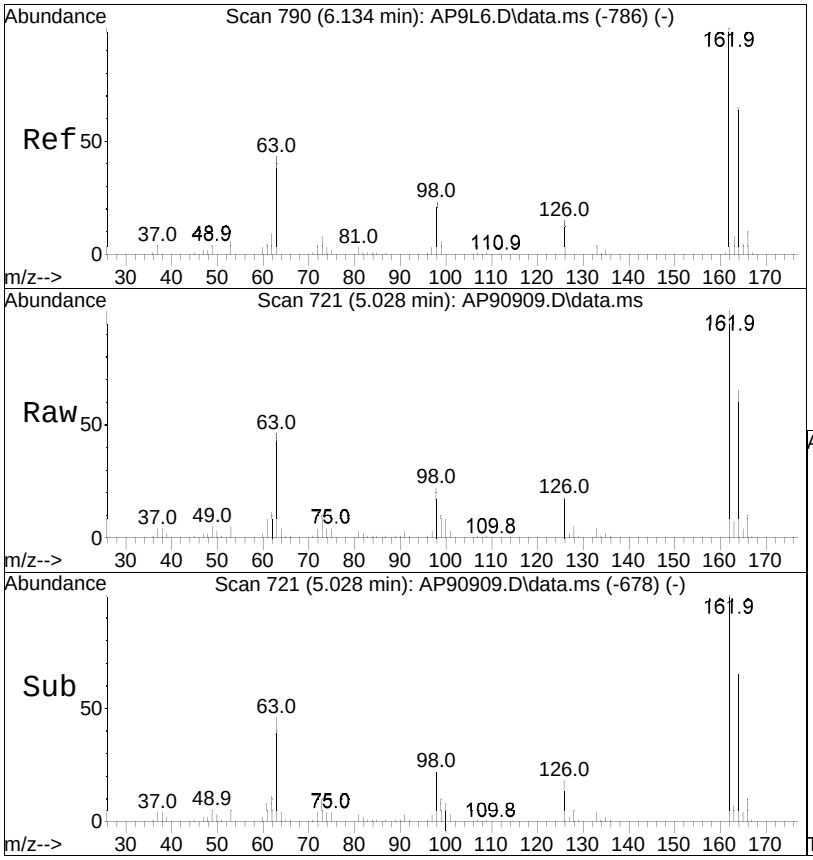


#57
3-Chloroaniline
Concen: 4.33 ug/ml
RT: 5.004 min Scan# 717
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion: 65 Resp: 18579

Ion	Ratio	Lower	Upper
65	100		
127	304.9	236.6	355.0
129	98.9	76.6	115.0

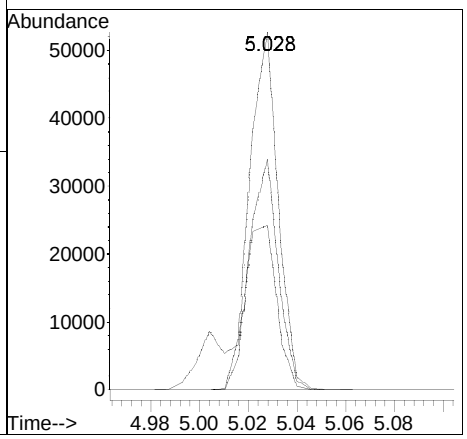


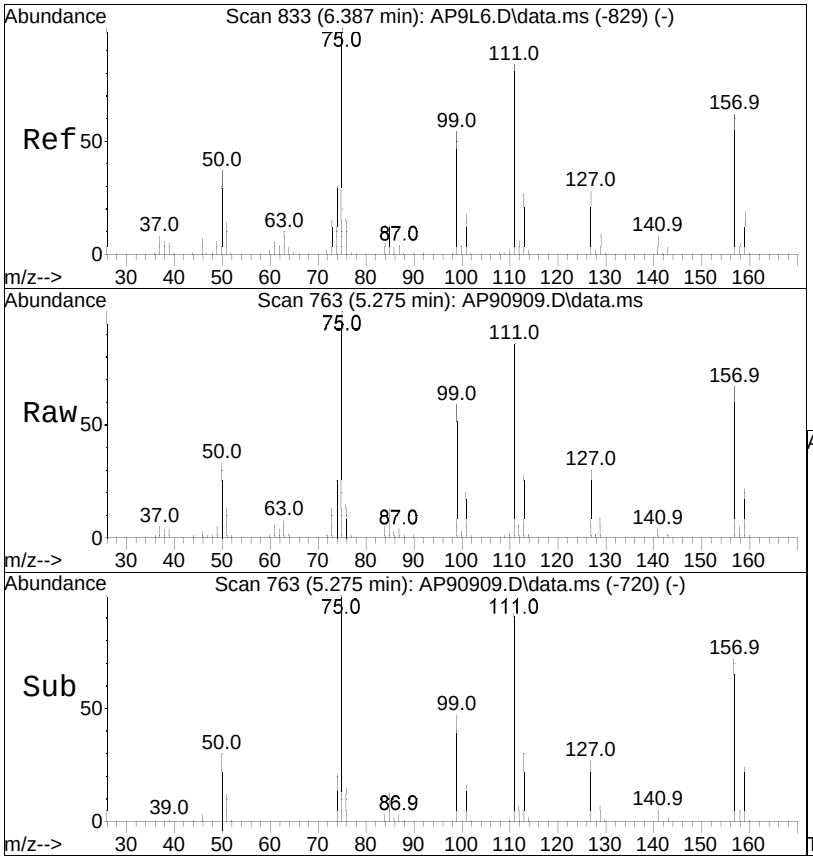


#58
2,6-Dichlorophenol
Concen: 4.58 ug/ml
RT: 5.028 min Scan# 721
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:162 Resp: 42703

Ion	Ratio	Lower	Upper
162	100		
164	64.5	50.8	76.2
63	66.9	53.6	80.4

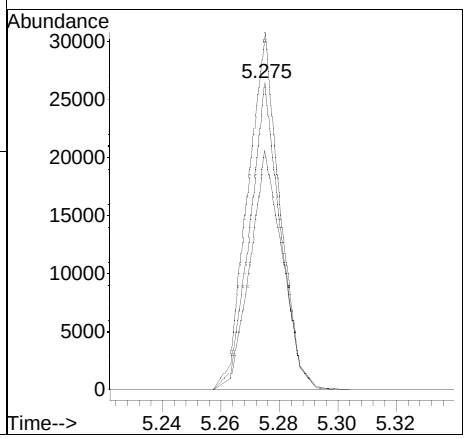


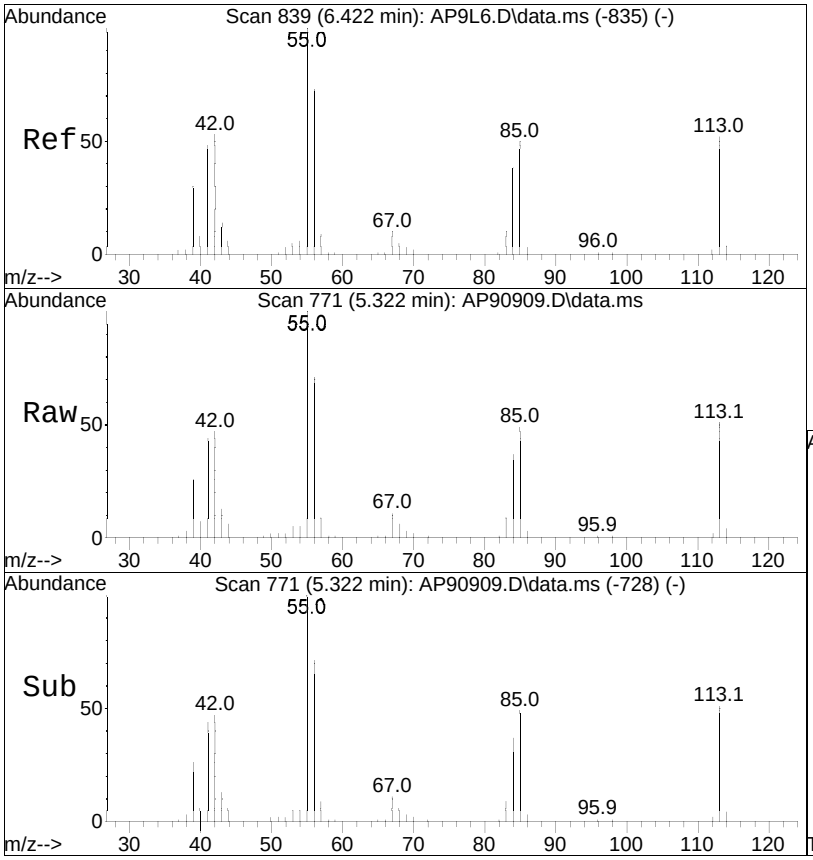


#59
1-chloro-2-nitrobenzene
Concen: 4.68 ug/ml
RT: 5.275 min Scan# 763
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:111 Resp: 19154

Ion	Ratio	Lower	Upper
111	100		
157	82.4	56.2	84.2
75	121.7	97.8	146.6

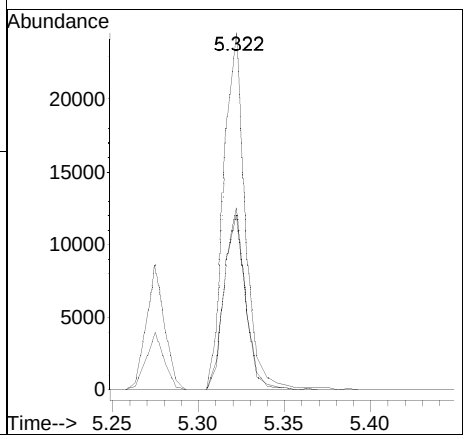


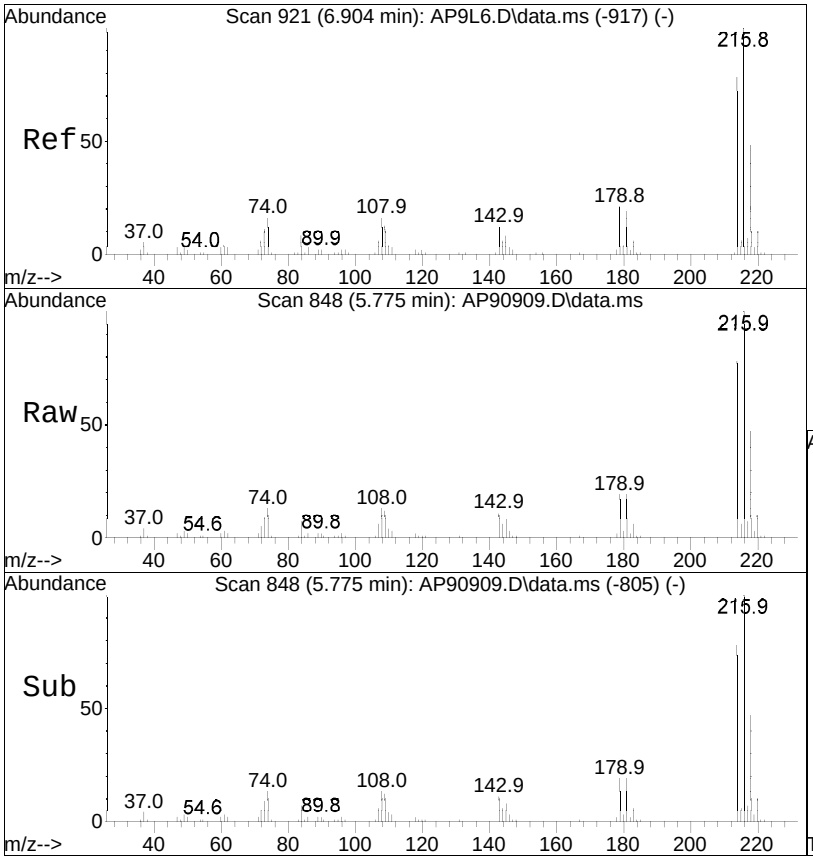


#60
Caprolactam
Concen: 4.57 ug/ml
RT: 5.322 min Scan# 771
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion: 55 Resp: 21457

Ion	Ratio	Lower	Upper
55	100		
85	49.4	35.2	52.8
113	50.2	36.6	55.0

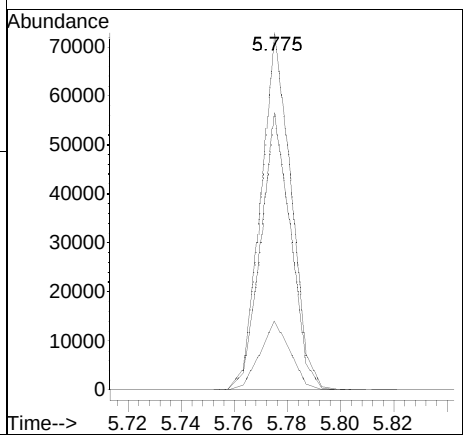


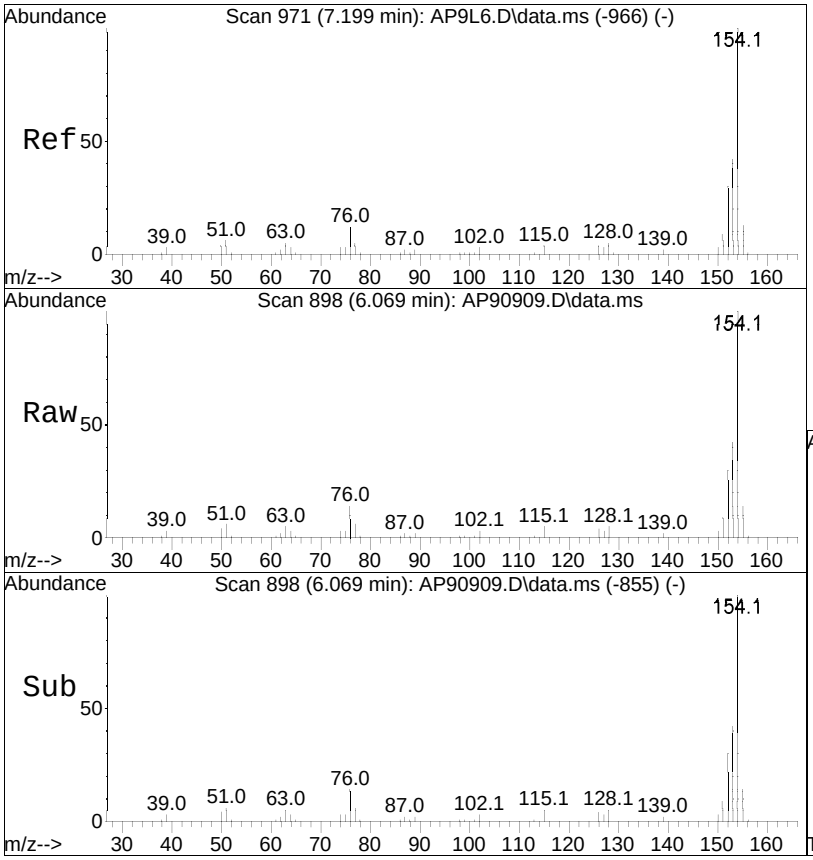


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.18 ug/ml
RT: 5.775 min Scan# 848
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:216 Resp: 57190

Ion	Ratio	Lower	Upper
216	100		
214	77.0	64.0	96.0
179	19.3	18.7	28.1

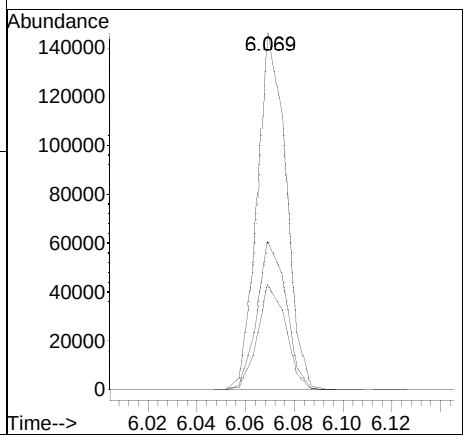


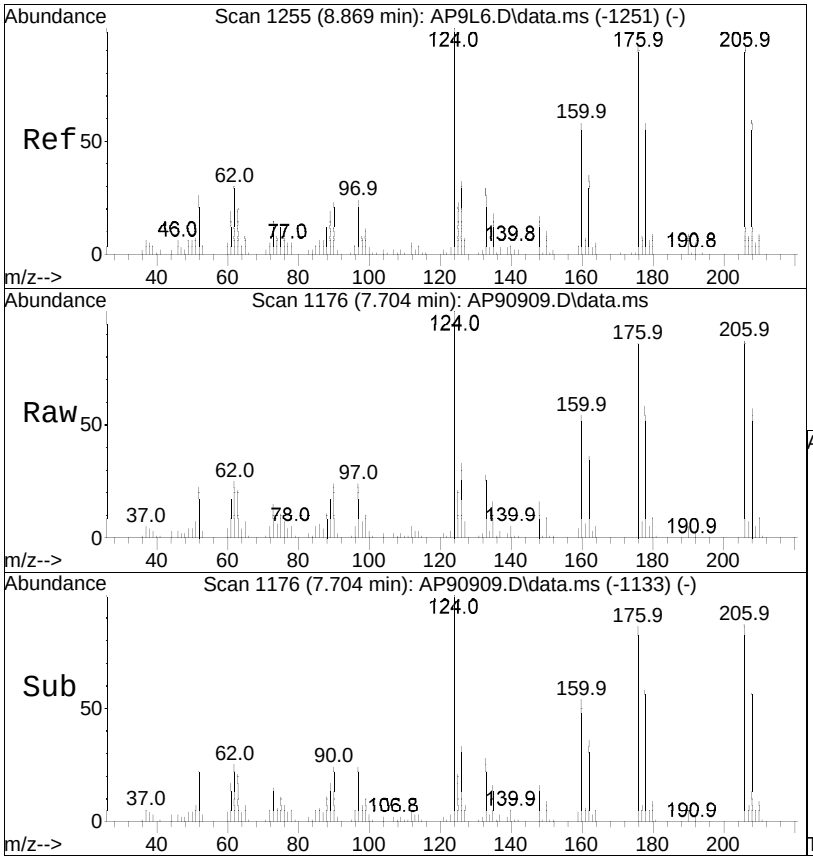


#62
Biphenyl
Concen: 4.08 ug/ml
RT: 6.069 min Scan# 898
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:154 Resp: 119603

Ion	Ratio	Lower	Upper
154	100		
153	42.1	32.5	48.7
152	29.2	22.6	34.0

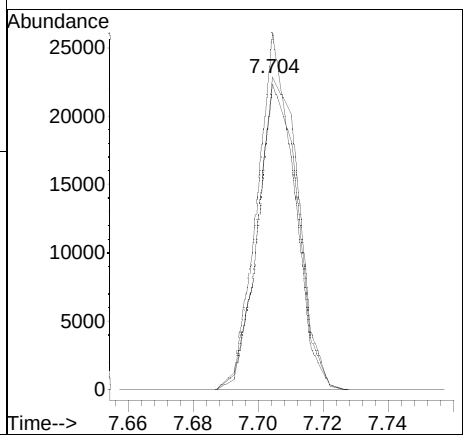


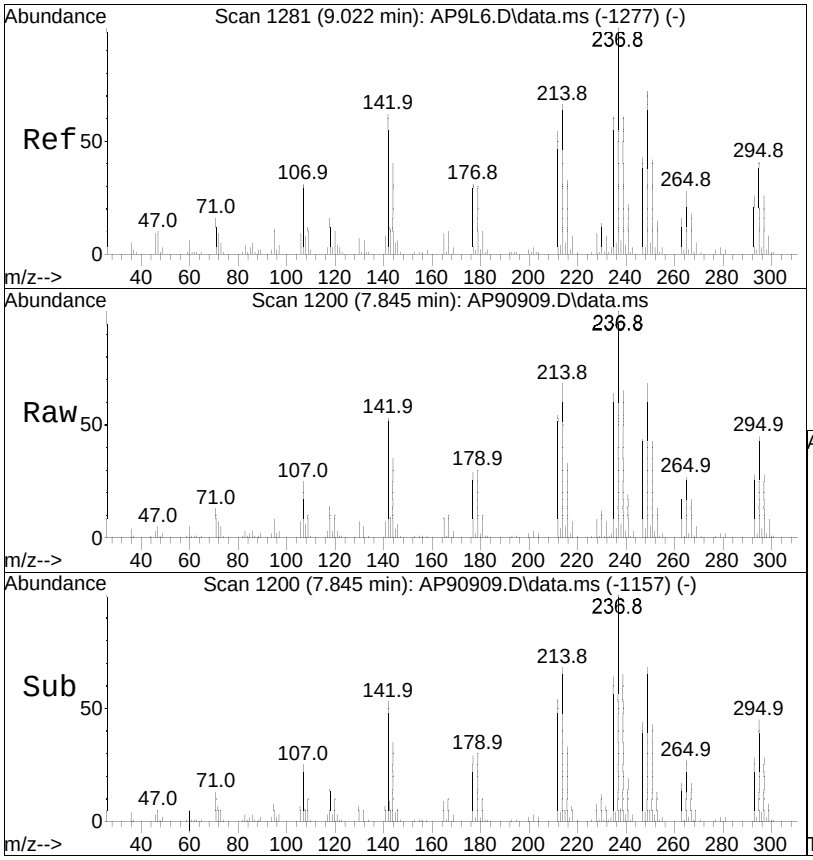


#84
Dichloran
Concen: 4.65 ug/ml
RT: 7.704 min Scan# 1176
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:206 Resp: 19813

Ion	Ratio	Lower	Upper
206	100		
176	95.6	98.8	148.2#
124	102.9	125.8	188.6#

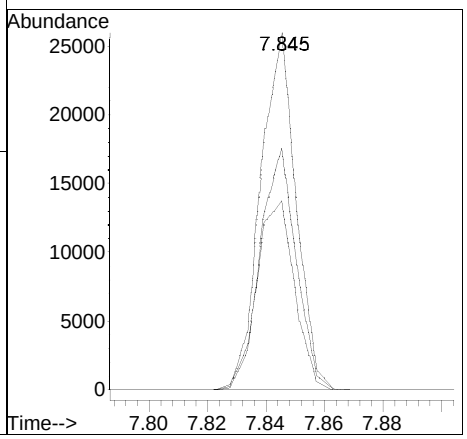


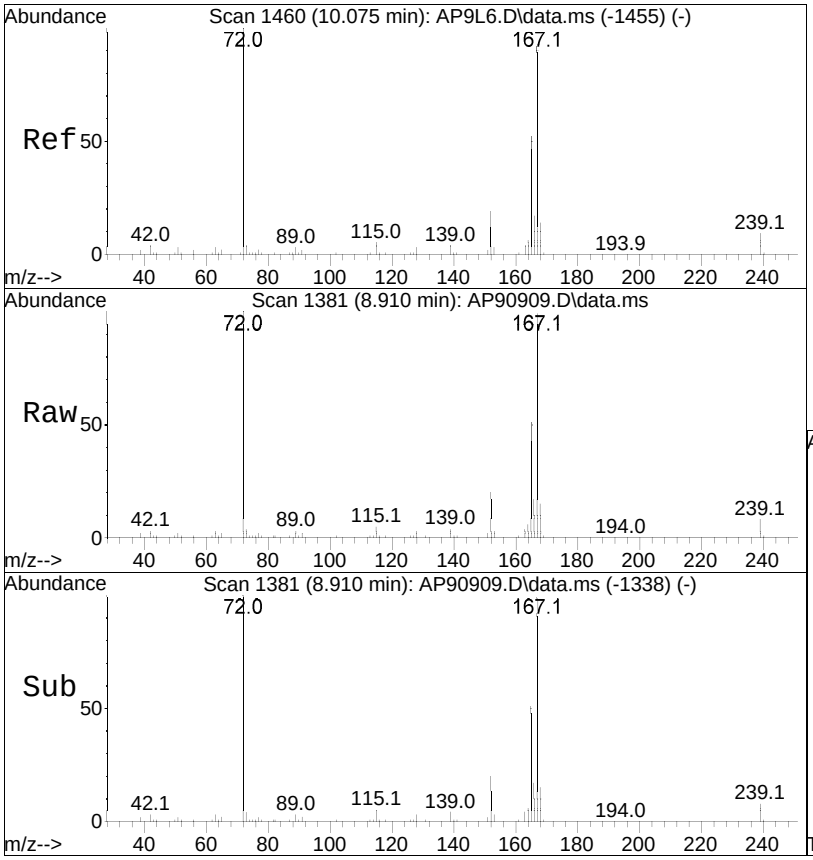


#85
Pentachloronitrobenzene
Concen: 4.98 ug/ml
RT: 7.845 min Scan# 1200
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:237 Resp: 21779

Ion	Ratio	Lower	Upper
237	100		
142	57.0	70.3	105.5#
214	68.6	59.4	89.2

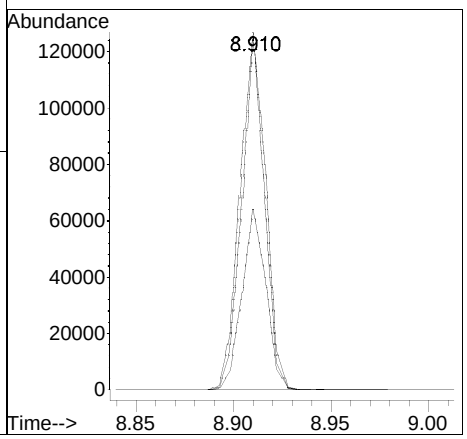




#99
Diphenamid
Concen: 4.58 ug/ml
RT: 8.910 min Scan# 1381
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 09 Sep 2024 01:45 pm

Tgt Ion:167 Resp: 105964

Ion	Ratio	Lower	Upper
167	100		
72	101.8	98.9	148.3
165	51.6	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\240909RVT\	QMethod	: FS240625SV112RVT.m
Data File	: AP90909.D	Operator	: SV112:ljg
Date Inj'd	: 9/9/2024 1:45 pm	Instrument	: SV112
Sample	: WG1969270-4,32,,AP9 10909	Quant Date	: 9/10/2024 6:35 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240909RVT\
Data File : ADP0909.D
Acq On : 09 Sep 2024 02:08 pm
Operator : SV112:ljg
Sample : WG1969270-5,32,,ADP 10751 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 09 14:37:16 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	114	0.00
33	T	1,4-Dioxane		0.470	0.523	-11.3	143	0.00
34	T	n-Decane		1.145	1.299	-13.4	140	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	120	0.00
87	T	Atrazine		0.441	0.485	-10.0	147	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	110	0.00
101	T	n-Octadecane		0.315	0.428	-35.9#	168	0.00
102	T	Parathion	*	5.000	6.958	-39.2#	189	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	5.897	-17.9	153	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : ADP0909.D
Acq On : 09 Sep 2024 02:08 pm
Operator : SV112:ljg
Sample : WG1969270-5,32,,ADP 10751 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 09 14:37:16 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:50 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.652	152	23007	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	6.587	164	54174	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	7.975	188	118445	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.893	88	15030	5.555	ug/ml#	87
34) n-Decane	3.575	57	37369	5.672	ug/ml	96
87) Atrazine	7.822	200	32845	5.495	ug/ml	99
101) n-Octadecane	8.046	57	63390	6.803	ug/ml	95
102) Parathion	8.799	109	18812	6.958	ug/ml#	89
103) 3,3'-Dimethylbenzidine	10.010	212	139322	5.897	ug/ml	99

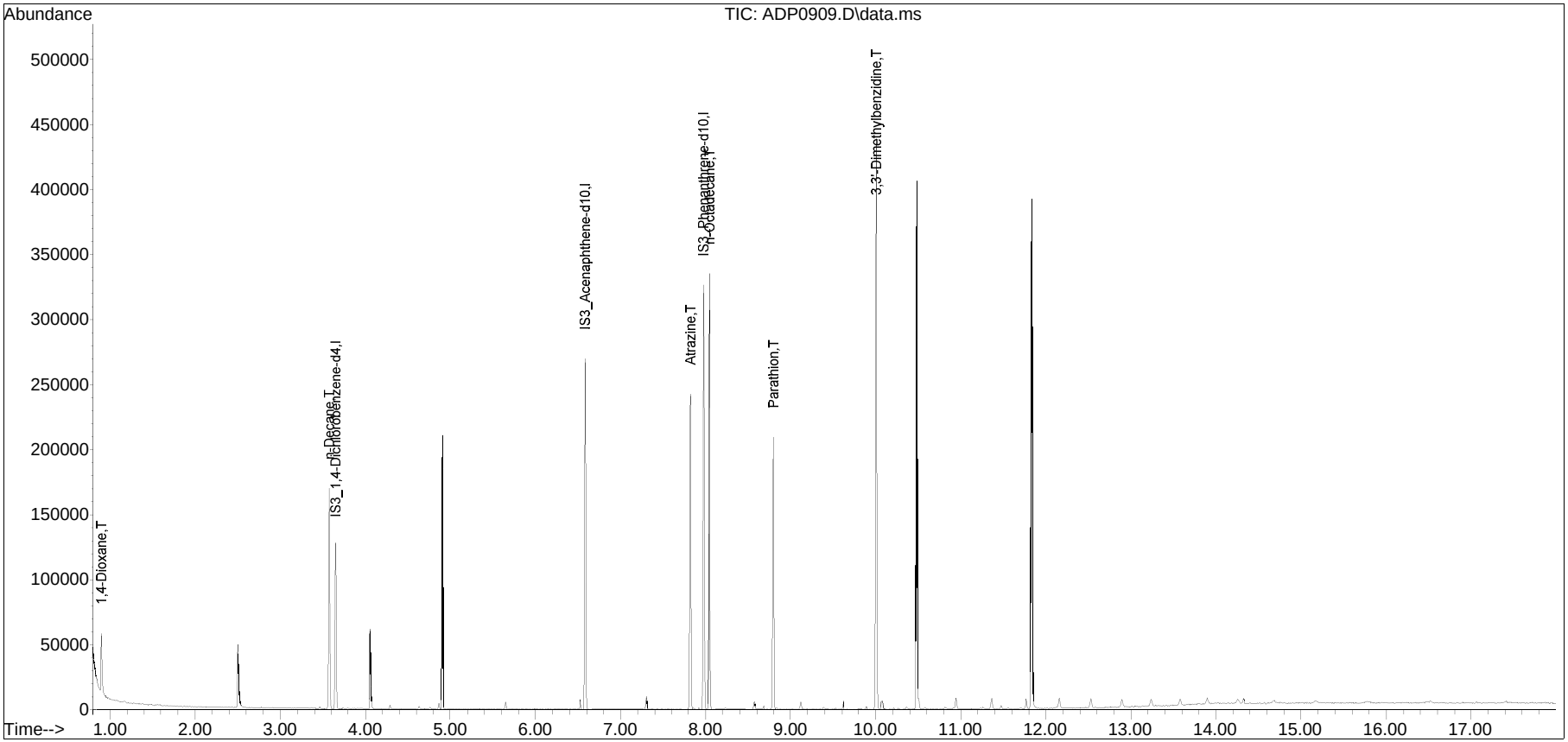
(#) = qualifier out of range (m) = manual integration (+) = signals summed

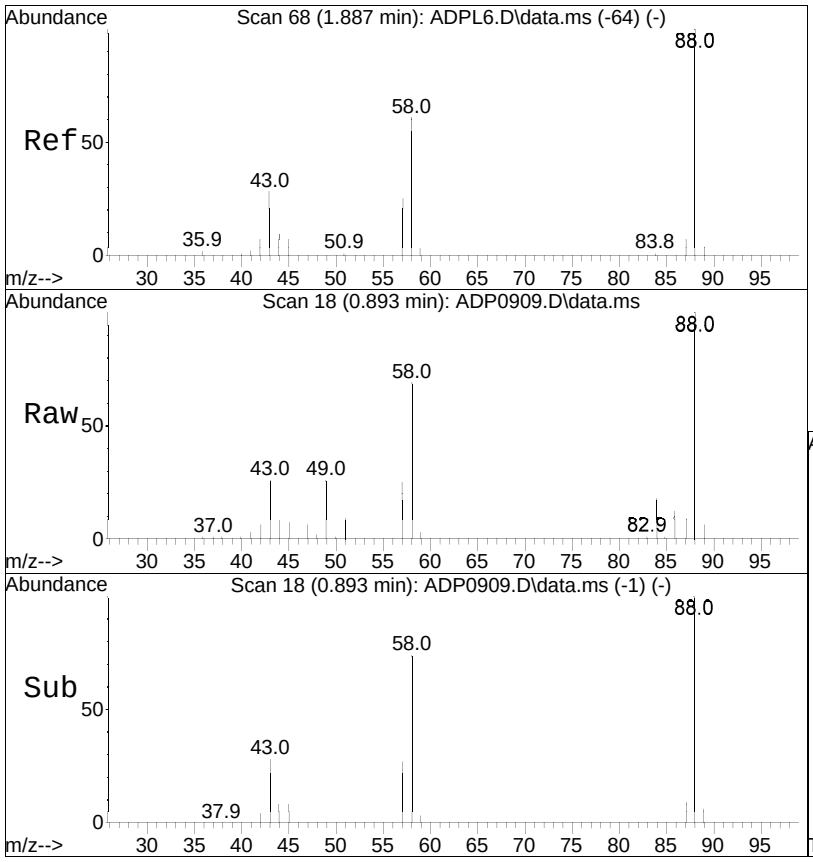
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : ADP0909.D
Acq On : 09 Sep 2024 02:08 pm
Operator : SV112:ljg
Sample : WG1969270-5,32,,ADP 10751 HNY0826A
Misc : WG1969270,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 09 14:37:16 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:50 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

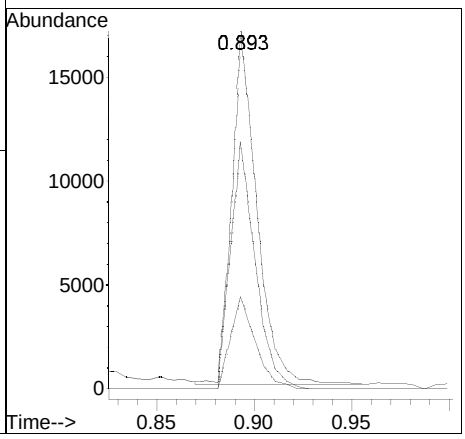


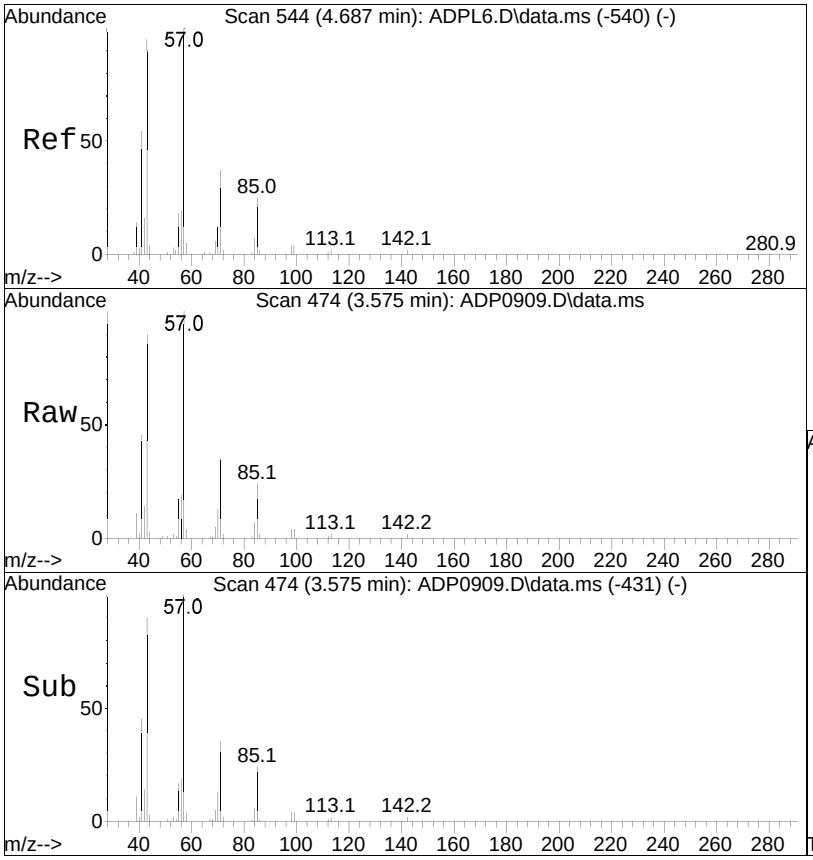


#33
1,4-Dioxane
Concen: 5.55 ug/ml
RT: 0.893 min Scan# 18
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion: 88 Resp: 15030

Ion	Ratio	Lower	Upper
88	100		
58	68.9	44.8	67.2#
43	25.9	22.4	33.6

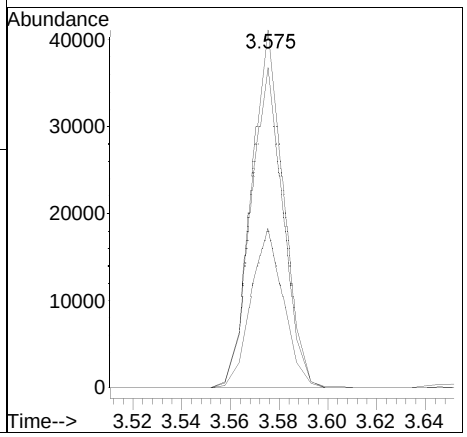


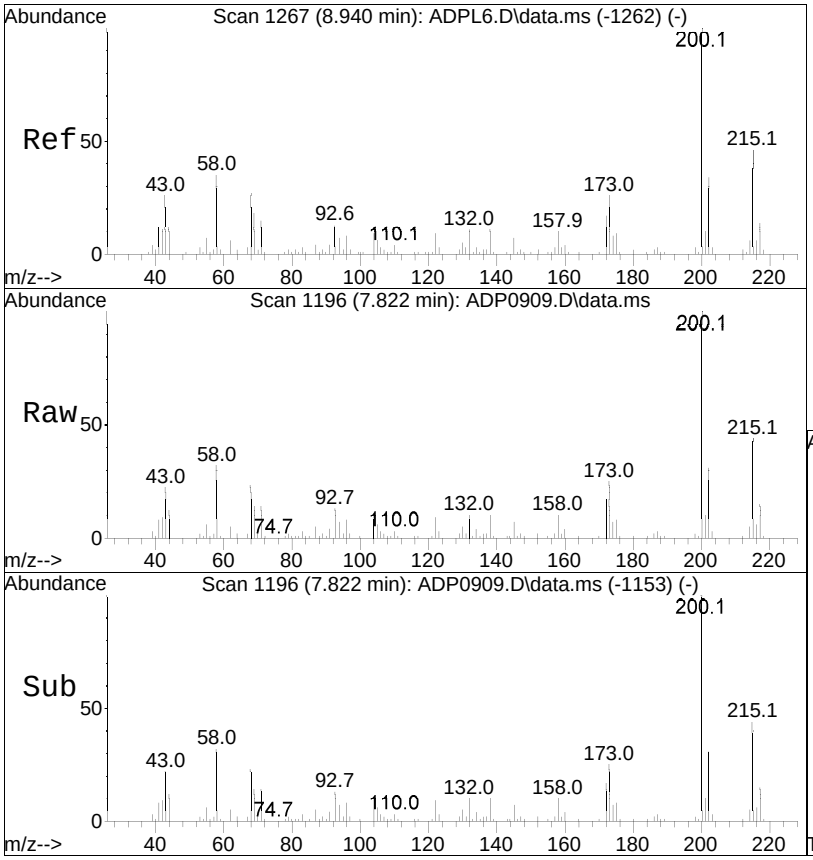


#34
n-Decane
Concen: 5.67 ug/ml
RT: 3.575 min Scan# 474
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion: 57 Resp: 37369

Ion	Ratio	Lower	Upper
57	100		
43	89.9	75.4	113.2
41	45.1	35.0	52.6

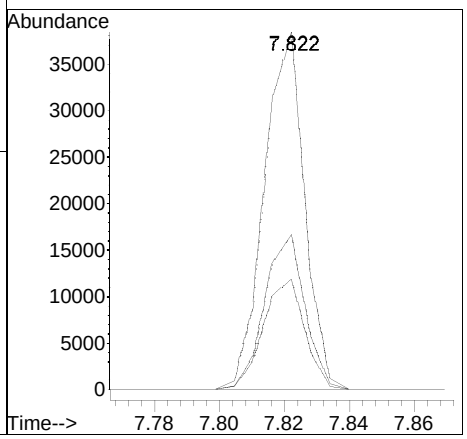


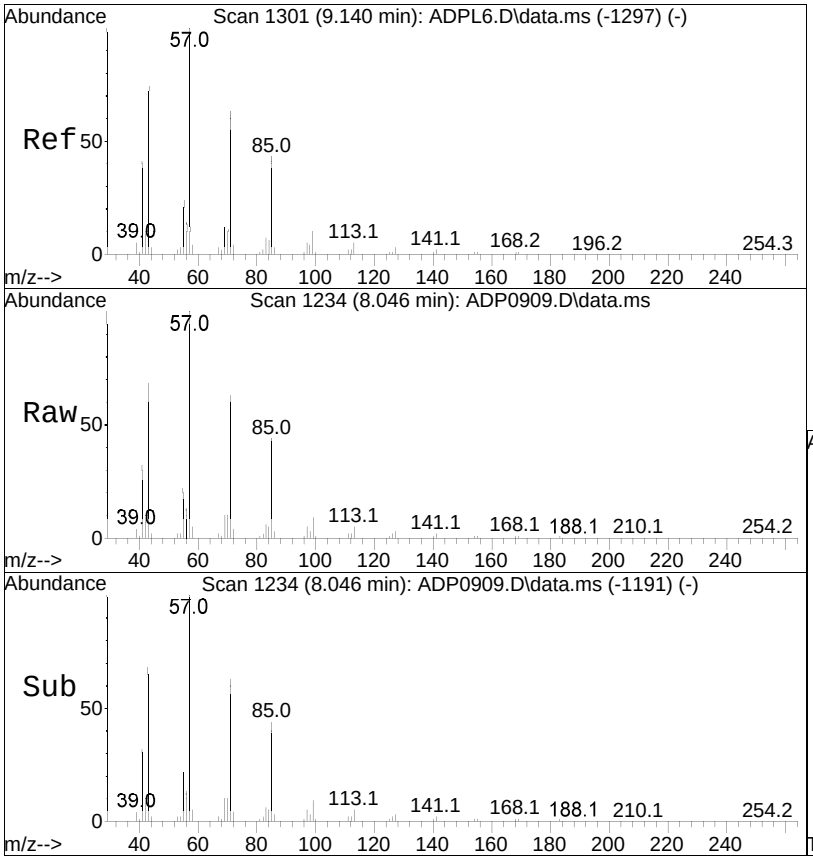


#87
Atrazine
Concen: 5.50 ug/ml
RT: 7.822 min Scan# 1196
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion:200 Resp: 32845

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.0	37.6
215	43.5	34.5	51.7

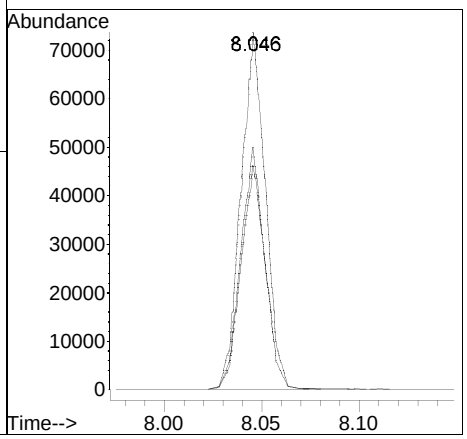


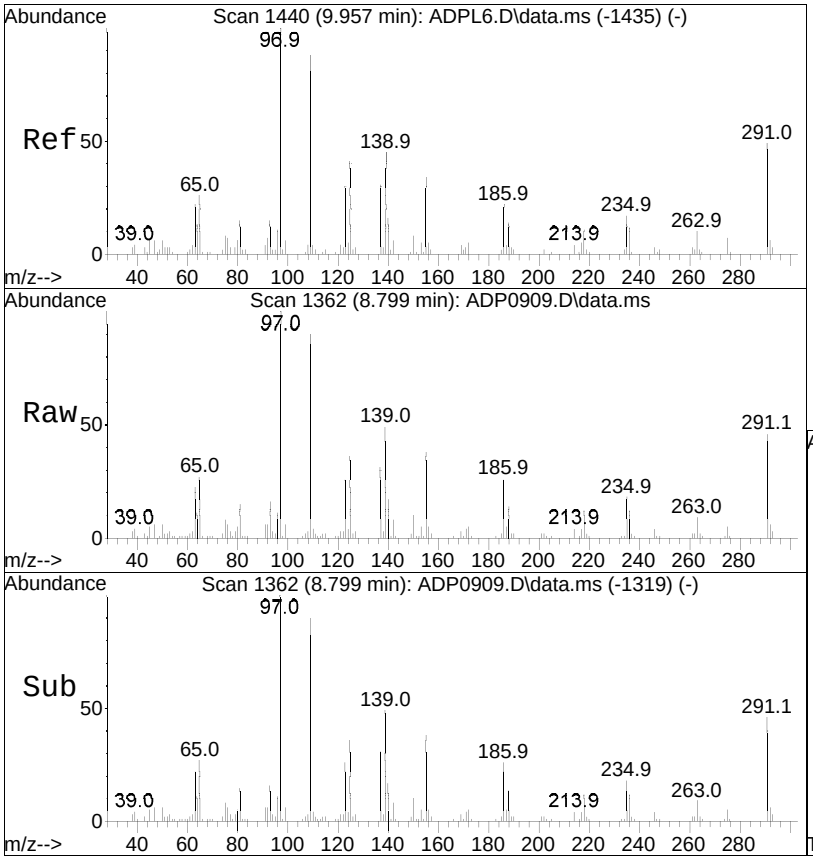


#101
n-Octadecane
Concen: 6.80 ug/ml
RT: 8.046 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion: 57 Resp: 63390

Ion	Ratio	Lower	Upper
57	100		
43	66.7	54.3	81.5
71	62.8	45.1	67.7

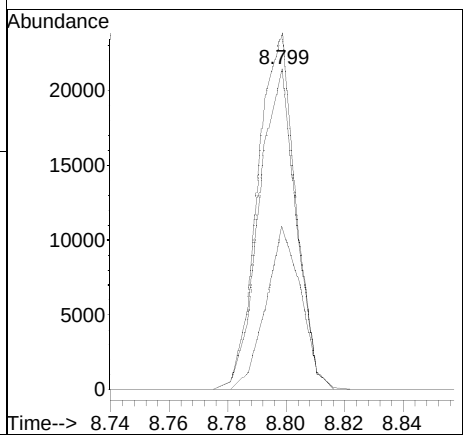


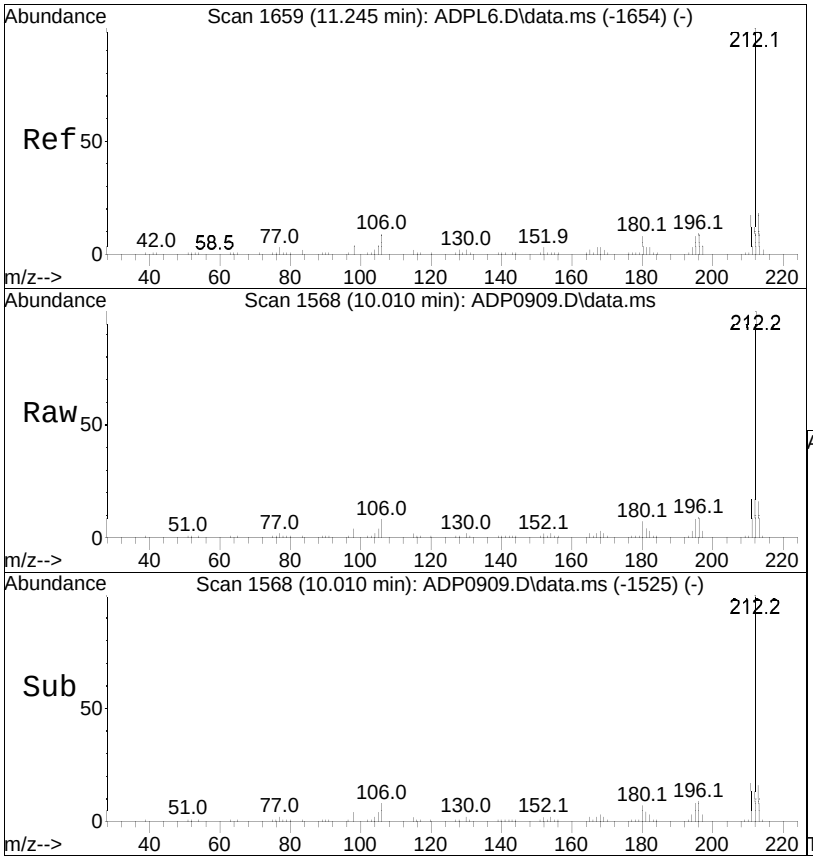


#102
Parathion
Concen: 6.96 ug/ml
RT: 8.799 min Scan# 1362
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion:109 Resp: 18812

Ion	Ratio	Lower	Upper
109	100		
97	112.9	85.4	128.2
291	48.2	25.4	38.2#

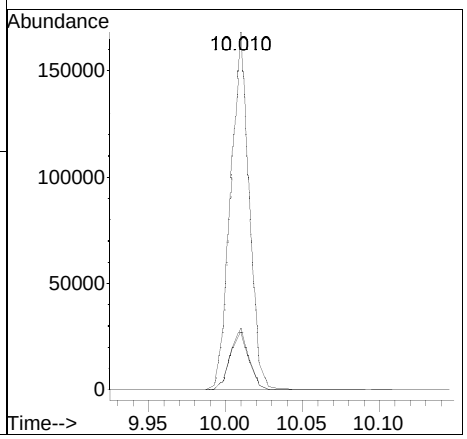




#103
3,3'-Dimethylbenzidine
Concen: 5.90 ug/ml
RT: 10.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 09 Sep 2024 02:08 pm

Tgt Ion:212 Resp: 139322

Ion	Ratio	Lower	Upper
212	100		
211	17.4	13.3	19.9
213	16.5	13.4	20.2



Manual Integration Report

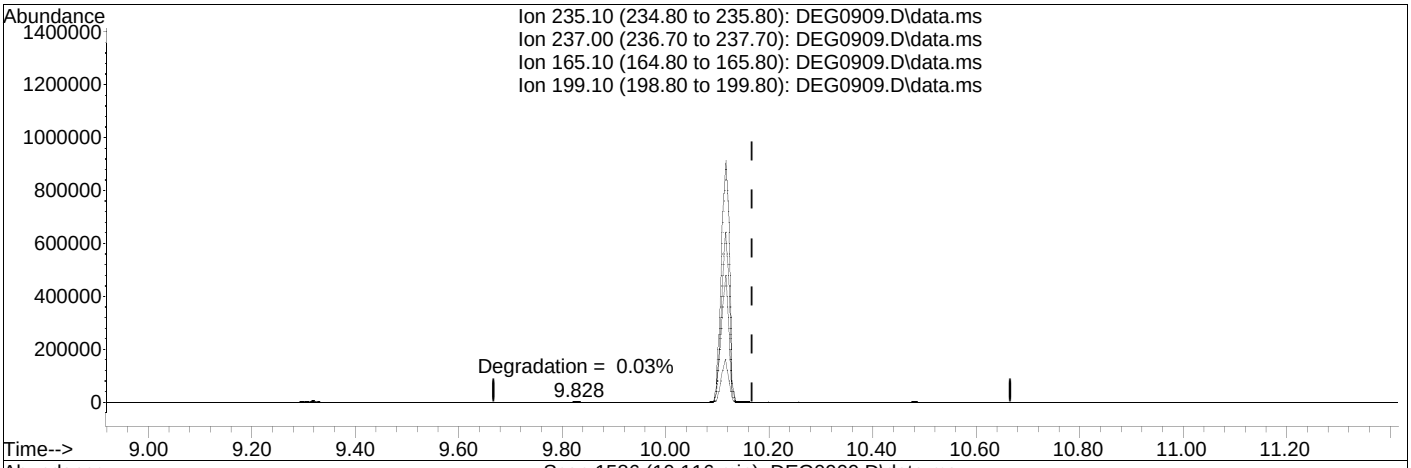
Data Path	: I:\8270\SV112\240909RVT\	QMethod	: FS240625SV112RVT.m
Data File	: ADP0909.D	Operator	: SV112:ljg
Date Inj'd	: 9/9/2024 2:08 pm	Instrument	: SV112
Sample	: WG1969270-5,32,,ADP 10751	Quant Date	: 9/9/2024 2:37 pm

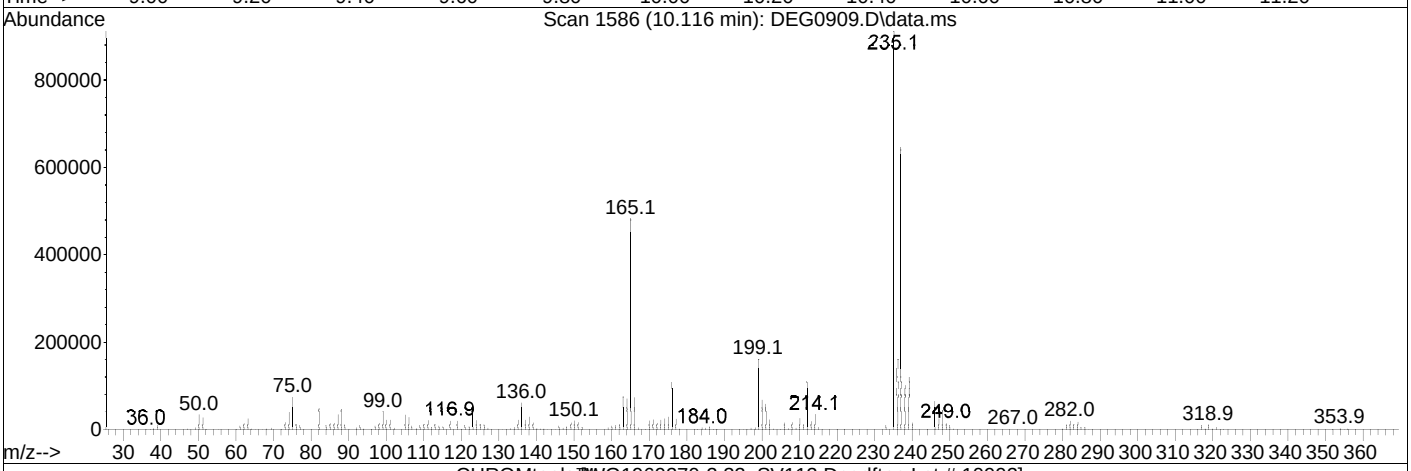
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240909RVT\
Data File : DEG0909.D
Acq On : 09 Sep 2024 01:00 pm
Operator : SV112:ljg
Sample : WG1969270-2,32,,SV112 Degdftpp Lot # 10992
Misc : WG1969270,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 13:21:44 2024
Quant Method : I:\8270\SV112\240909RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 07:18:03 2024
Response via : Initial Calibration





CHROMtools [WG1969270-2,32,,SV112 Degdftpp Lot # 10992]

(6) DDT (T)

10.116min (-0.051) 154.84

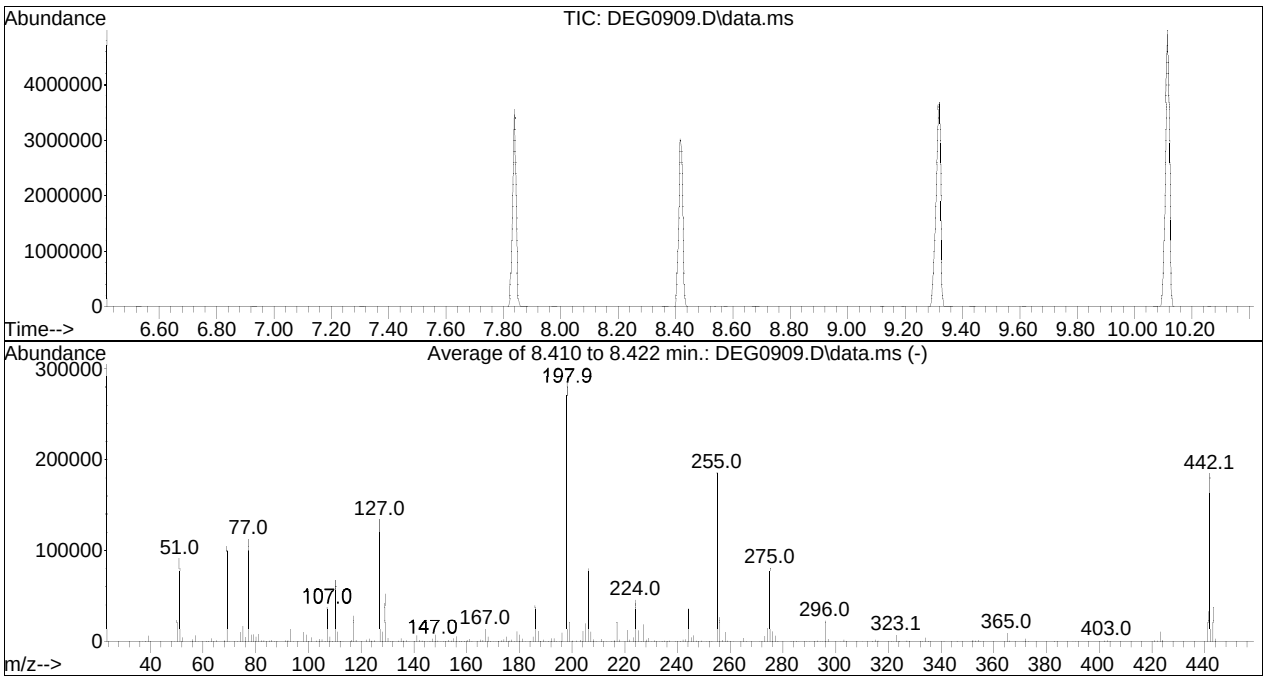
response 943834

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	68.56
165.10	42.20	49.41
199.10	13.70	16.21

Data Path : I:\8270\SV112\240909RVT\
Data File : DEG0909.D
Acq On : 09 Sep 2024 01:00 pm
Operator : SV112:HNY
Sample : WG1969270-1,32,,SV112 Degdftpp Lot # 10992
Misc : WG1969270,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Sep 09 13:46:56 2024



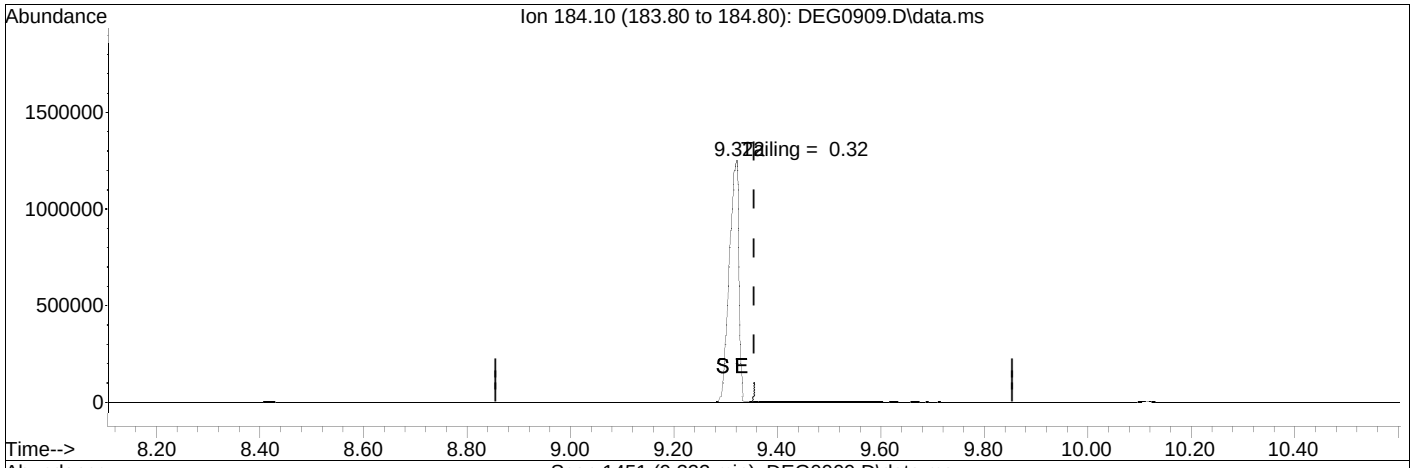
Spectrum Information: Average of 8.410 to 8.422 min.

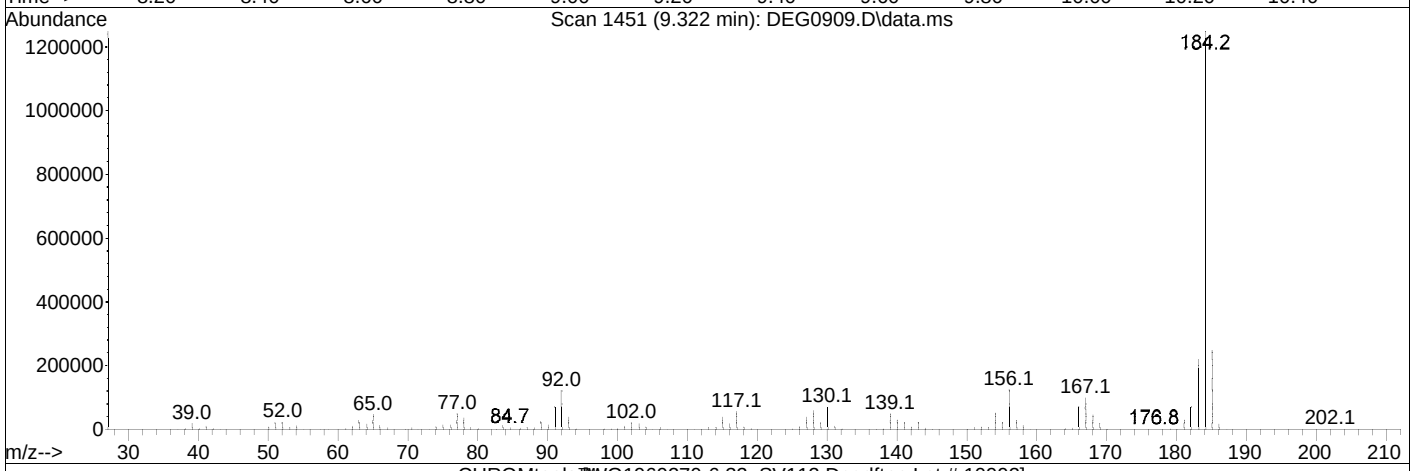
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.1	90304	PASS
68	69	0.00	2	1.8	1844	PASS
69	69	100	100	100.0	103976	PASS
70	69	0.00	2	0.5	539	PASS
127	198	10	80	46.0	133635	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	290283	PASS
199	198	5	9	7.2	20796	PASS
275	198	10	60	27.9	81075	PASS
365	198	1	100	3.1	8999	PASS
441	442	0.01	24	17.7	32588	PASS
442	198	50	100	63.4	184179	PASS
443	442	15	24	20.3	37323	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240909RVT\
Data File : DEG0909.D
Acq On : 09 Sep 2024 01:00 pm
Operator : SV112:ljg
Sample : WG1969270-6,32,,SV112 Degdftpp Lot # 10992
Misc : WG1969270,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 13:21:44 2024
Quant Method : I:\8270\SV112\240909RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 07:18:03 2024
Response via : Initial Calibration





CHROMtools [WG1969270-6,32,,SV112 Degdftpp Lot # 10992]

(3) Benzidine (T)

9.322min (-0.033) 151.11

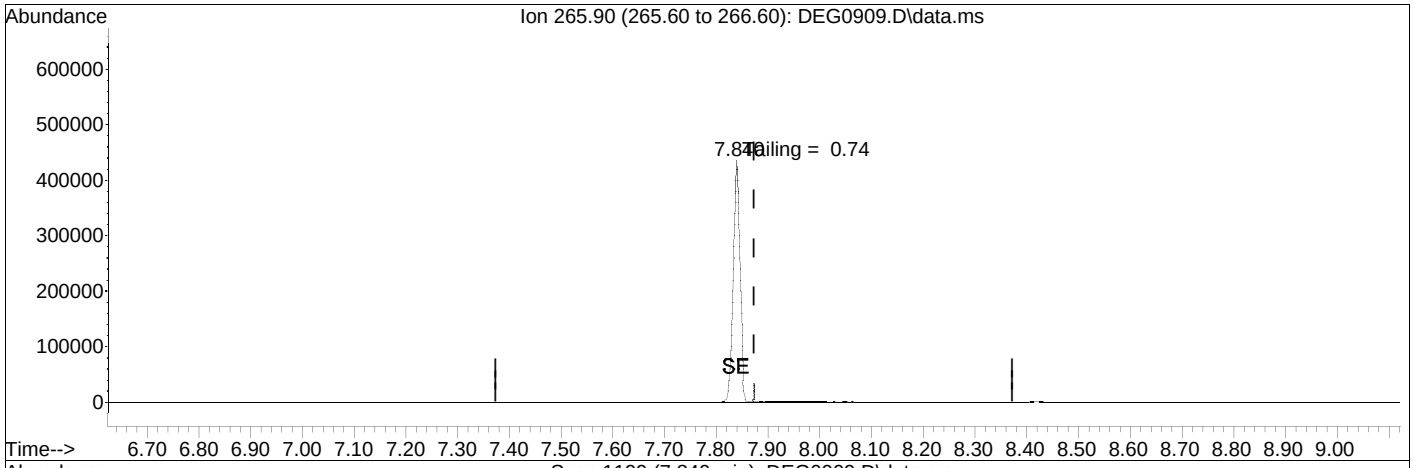
response 1538274

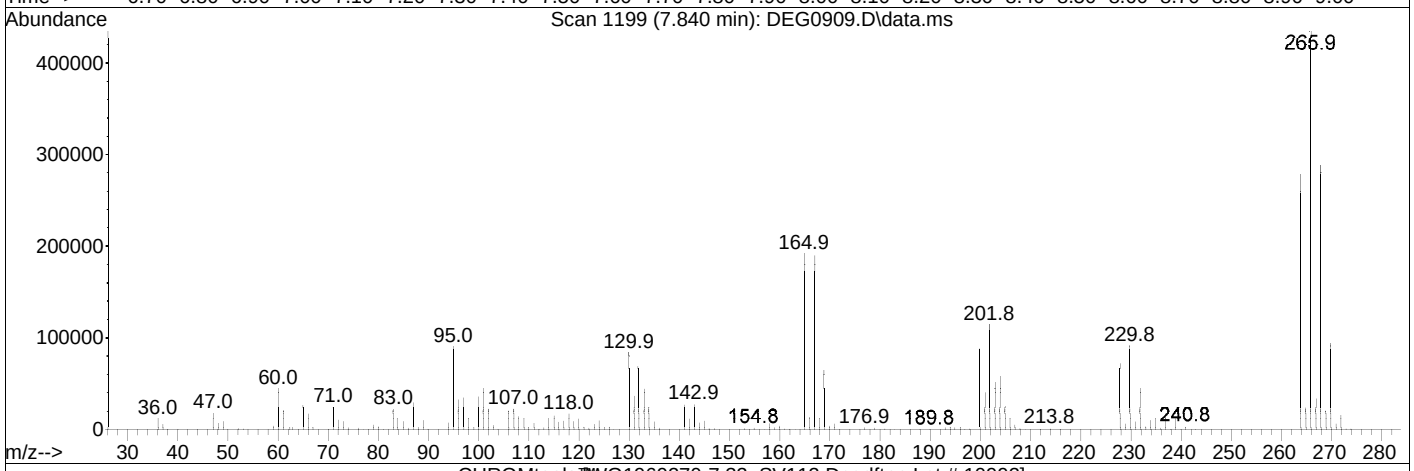
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240909RVT\
Data File : DEG0909.D
Acq On : 09 Sep 2024 01:00 pm
Operator : SV112:ljg
Sample : WG1969270-7,32,,SV112 Degdftpp Lot # 10992
Misc : WG1969270,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 13:21:44 2024
Quant Method : I:\8270\SV112\240909RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 07:18:03 2024
Response via : Initial Calibration





CHROMtools [WG1969270-7,32,,SV112 Degdftpp Lot # 10992]

(1) Pentachlorophenol (T)

7.840min (-0.033) 181.08

response 380324

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	150	0
n-Nitrosodimethylamine	0.657	0.653	-	0.6	20	137	0
Pyridine	1.043	1.014	-	2.8	20	129	0
2-Fluorophenol	1.05	1.012	-	3.6	20	142	0
Aniline	1.811	1.642	-	9.3	20	140	0
2-Chlorophenol	1.251	1.181	-	5.6	20	145	0
Phenol-d6	1.357	1.299	-	4.3	20	143	0
Phenol	1.577	1.372	-	13	20	132	0
Bis(2-chloroethyl)ether	1.167	1.096	-	6.1	20	147	0
1,3-Dichlorobenzene	1.508	1.394	-	7.6	20	141	0
1,4-Dichlorobenzene	1.575	1.421	-	9.8	20	144	0
1,2-Dichlorobenzene	1.475	1.369	-	7.2	20	144	0
Benzyl alcohol	0.945	0.976	-	-3.3	20	155	0
Bis(2-chloroisopropyl)ethe	1.475	1.496	-	-1.4	20	158	0
2-Methylphenol	1.056	1.045	-	1	20	150	0
Hexachloroethane	0.558	0.542	-	2.9	20	150	0
n-Nitrosodi-n-propylamine	0.865	0.874	-	-1	20	156	0
3-Methylphenol/4-Methylphe	1.15	1.146	-	0.3	20	148	0
Nitrobenzene-d5	1.294	1.275	-	1.5	20	149	0
Nitrobenzene	1.289	1.272	-	1.3	20	149	0
Isophorone	2.328	2.362	-	-1.5	20	157	0
2-Nitrophenol	0.574	0.691	-	-20.4*	20	181	0
2,4-Dimethylphenol	1.101	1.132	-	-2.8	20	170	0
Bis(2-chloroethoxy)methane	1.567	1.506	-	3.9	20	155	0
2,4-Dichlorophenol	1.153	1.173	-	-1.7	20	157	0
1,2,4-Trichlorobenzene	1.46	1.326	-	9.2	20	150	0
IS1_Naphthalene-d8	1	1	-	0	20	150	0
Naphthalene	1.049	0.96	-	8.5	20	145	0
Benzoic Acid	5	6.386	-	-27.7*	20	234	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	155	0
Hexachlorobutadiene	0.246	0.23	-	6.5	20	153	0
p-Chloro-m-cresol	0.277	0.307	-	-10.8	20	171	0
2-Methylnaphthalene	0.713	0.669	-	6.2	20	155	0
1-Methylnaphthalene	0.245	0.226	-	7.8	20	156	0
Hexachlorocyclopentadiene	0.251	0.287	-	-14.3	20	191	0
2,4,6-Trichlorophenol	0.256	0.274	-	-7	20	165	0
2,4,5-Trichlorophenol	0.262	0.303	-	-15.6	20	176	0
2-Fluorobiphenyl	0.904	0.858	-	5.1	20	157	0
2-Chloronaphthalene	0.759	0.713	-	6.1	20	154	0
2-Nitroaniline	0.2	0.235	-	-17.5	20	185	0
1,4-Dinitrobenzene	0.098	0.125	-	-27.6*	20	197	0
1,3-Dinitrobenzene	0.114	0.142	-	-24.6*	20	193	0
Dimethyl phthalate	0.923	0.971	-	-5.2	20	176	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.137	-	-1.5	20	161	0
2,6-Dinitrotoluene	0.173	0.208	-	-20.2*	20	191	0
1,2-Dinitrobenzene	0.076	0.087	-	-14.5	20	186	0
IS1_Acenaphthene-d10	1	1	-	0	20	168	0
3-Nitroaniline	0.299	0.328	-	-9.7	20	178	0
Acenaphthene	1.115	1.004	-	10	20	162	0
2,4-Dinitrophenol	5	7.021	-	-40.4*	20	266	0
Dibenzofuran	1.837	1.668	-	9.2	20	162	0
2,4-Dinitrotoluene	0.383	0.448	-	-17	20	193	0
4-Nitrophenol	0.29	0.279	-	3.8	20	164	0
2,3,5,6-Tetrachlorophenol	0.377	0.446	-	-18.3	20	193	0
2,3,4,6-Tetrachlorophenol	0.37	0.417	-	-12.7	20	192	0
Diethyl phthalate	1.487	1.509	-	-1.5	20	189	0
Fluorene	1.431	1.339	-	6.4	20	167	0
4-Chlorophenyl phenyl ethe	0.78	0.712	-	8.7	20	173	0
4-Nitroaniline	0.314	0.342	-	-8.9	20	172	0
4,6-Dinitro-o-cresol	5	6.336	-	-26.7*	20	258	0
NDPA/DPA	1.231	1.199	-	2.6	20	174	0
Azobenzene	1.305	1.256	-	3.8	20	167	0
2,4,6-Tribromophenol	0.257	0.291	-	-13.2	20	207	0
4-Bromophenyl phenyl ether	0.5	0.492	-	1.6	20	187	0
Hexachlorobenzene	0.628	0.597	-	4.9	20	189	0
Pentachlorophenol	0.322	0.4	-	-24.2*	20	222	0
IS1_Phenanthrene-d10	1	1	-	0	20	186	0
Phenanthrene	1.058	0.942	-	11	20	173	0
Anthracene	1.035	0.96	-	7.2	20	179	0
Carbazole	0.948	0.9	-	5.1	20	176	0
Di-n-butylphthalate	1.034	1.169	-	-13.1	20	221	0
Fluoranthene	1.228	1.178	-	4.1	20	186	0
Benzidine	0.675	0.766	-	-13.5	20	203	0
Pyrene	1.301	1.252	-	3.8	20	180	0
4-Terphenyl-d14	1.029	0.976	-	5.2	20	189	0
Butyl benzyl phthalate	0.458	0.559	-	-22.1*	20	246	0
IS1_Chrysene-d12	1	1	-	0	20	189	0
Benzo(a)anthracene	1.284	1.226	-	4.5	20	186	0
3,3'-Dichlorobenzidine	0.468	0.492	-	-5.1	20	199	0
Chrysene	1.259	1.142	-	9.3	20	179	0
Bis(2-ethylhexyl)phthalate	0.639	0.812	-	-27.1*	20	251	0
Di-n-octylphthalate	0.979	1.365	-	-39.4*	20	260	0
Benzo(b)fluoranthene	1.317	1.347	-	-2.3	20	196	0
Benzo(k)fluoranthene	1.202	1.121	-	6.7	20	166	0
Benzo(a)pyrene	1.149	1.159	-	-0.9	20	186	0
IS1_Perylene-d12	1	1	-	0	20	189	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV112		**Calibration Date**	: 09/09/24 13:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1969270-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.998	-	10.7	20	165	0
Dibenzo(a,h)anthracene	1.068	1.017	-	4.8	20	178	0
Benzo(ghi)perylene	1.078	0.98	-	9.1	20	175	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:45		
Lab File ID	: AP90909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	143	0
Benzaldehyde	1.094	0.943	-	13.8	20	124	0
Acetophenone	1.903	1.639	-	13.9	20	117	0
m-Toluidine	1.828	1.588	-	13.1	20	118	0
2-Chloroaniline	1.742	1.452	-	16.6	20	116	0
IS2_Naphthalene-d8	1	1	-	0	20	140	0
a-Terpineol	0.277	0.255	-	7.9	20	127	0
3-Chloroaniline	0.15	0.13	-	13.3	20	122	0
2,6-Dichlorophenol	0.326	0.299	-	8.3	20	124	0
1-chloro-2-nitrobenzene	0.143	0.134	-	6.3	20	128	0
Caprolactam	5	4.574	-	8.5	20	136	0
1,2,4,5-Tetrachlorobenzene	0.479	0.4	-	16.5	20	118	0
Biphenyl	1.026	0.837	-	18.4	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	144	0
Dichloran	5	4.649	-	7	20	154	0
Pentachloronitrobenzene	0.235	0.234	-	0.4	20	149	0
IS2_Phenanthrene-d10	1	1	-	0	20	152	0
Diphenamid	0.515	0.472	-	8.3	20	135	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 14:08		
Lab File ID	: ADP0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-5	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
1,4-Dioxane	0.47	0.523	-	-11.3	20	143	0
n-Decane	1.145	1.299	-	-13.4	20	140	0
IS3_Acenaphthene-d10	1	1	-	0	20	120	0
Atrazine	0.441	0.485	-	-10	20	147	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.315	0.428	-	-35.9*	20	168	0
Parathion	5	6.958	-	-39.2*	20	189	0
3,3'-Dimethylbenzidine	5	5.897	-	-17.9	20	153	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:19		
Lab File ID	: ABN0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
n-Nitrosodimethylamine	0.851	0.829	-	2.6	20	91	0
Pyridine	1.392	1.341	-	3.7	20	89	0
2-Fluorophenol	1.156	1.2	-	-3.8	20	95	0
Aniline	2.049	1.724	-	15.9	20	79	0
2-Chlorophenol	1.288	1.251	-	2.9	20	93	0
Phenol-d6	1.583	1.576	-	0.4	20	95	0
Phenol	1.642	1.595	-	2.9	20	91	0
Bis(2-chloroethyl)ether	1.348	1.218	-	9.6	20	85	0
1,3-Dichlorobenzene	1.546	1.445	-	6.5	20	89	0
1,4-Dichlorobenzene	1.565	1.476	-	5.7	20	90	0
1,2-Dichlorobenzene	1.522	1.423	-	6.5	20	89	0
Benzyl alcohol	1.267	1.24	-	2.1	20	91	0
Bis(2-chloroisopropyl)ethe	2.166	1.681	-	22.4*	20	74	0
2-Methylphenol	1.183	1.091	-	7.8	20	86	0
Hexachloroethane	0.623	0.599	-	3.9	20	95	0
n-Nitrosodi-n-propylamine	1.057	1.015	-	4	20	87	0
3-Methylphenol/4-Methylphe	1.279	1.187	-	7.2	20	88	0
Nitrobenzene-d5	1.619	1.552	-	4.1	20	91	0
Nitrobenzene	1.643	1.551	-	5.6	20	91	0
Isophorone	2.76	2.613	-	5.3	20	86	0
2-Nitrophenol	0.692	0.639	-	7.7	20	85	0
2,4-Dimethylphenol	1.301	0.875	-	32.7*	20	63	0
Bis(2-chloroethoxy)methane	1.778	1.519	-	14.6	20	81	0
2,4-Dichlorophenol	1.233	1.159	-	6	20	87	0
1,2,4-Trichlorobenzene	1.51	1.347	-	10.8	20	88	0
IS1_Naphthalene-d8	1	1	-	0	20	85	0
Naphthalene	1.147	0.975	-	15	20	82	0
Benzoic Acid	5	4.917	-	1.7	20	89	0
4-Chloroaniline	0.169	0.158	-	6.5	20	85	0
Hexachlorobutadiene	0.303	0.269	-	11.2	20	87	0
p-Chloro-m-cresol	0.343	0.343	-	0	20	91	0
2-Methylnaphthalene	0.764	0.649	-	15.1	20	80	0
1-Methylnaphthalene	0.29	0.273	-	5.9	20	88	0
Hexachlorocyclopentadiene	0.336	0.273	-	18.8	20	75	0
2,4,6-Trichlorophenol	0.301	0.284	-	5.6	20	85	0
2,4,5-Trichlorophenol	0.322	0.284	-	11.8	20	78	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	79	0
2-Chloronaphthalene	0.813	0.702	-	13.7	20	81	0
2-Nitroaniline	0.245	0.201	-	18	20	73	0
1,4-Dinitrobenzene	0.129	0.11	-	14.7	20	77	0
1,3-Dinitrobenzene	0.147	0.123	-	16.3	20	74	0
Dimethyl phthalate	0.989	0.866	-	12.4	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:19		
Lab File ID	: ABN0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.063	-	14.5	20	77	0
2,6-Dinitrotoluene	0.213	0.175	-	17.8	20	72	0
1,2-Dinitrobenzene	0.091	0.08	-	12.1	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	85	0
3-Nitroaniline	0.319	0.284	-	11	20	76	0
Acenaphthene	1.153	0.953	-	17.3	20	78	0
2,4-Dinitrophenol	0.213	0.188	-	11.7	20	74	0
Dibenzofuran	1.936	1.584	-	18.2	20	78	0
2,4-Dinitrotoluene	0.475	0.397	-	16.4	20	73	0
4-Nitrophenol	0.323	0.314	-	2.8	20	88	0
2,3,5,6-Tetrachlorophenol	0.452	0.423	-	6.4	20	82	0
2,3,4,6-Tetrachlorophenol	0.435	0.413	-	5.1	20	82	0
Diethyl phthalate	1.529	1.318	-	13.8	20	80	0
Fluorene	1.523	1.208	-	20.7*	20	74	0
4-Chlorophenyl phenyl ethe	0.801	0.661	-	17.5	20	80	0
4-Nitroaniline	0.333	0.274	-	17.7	20	75	0
4,6-Dinitro-o-cresol	0.266	0.268	-	-0.8	20	82	0
NDPA/DPA	1.263	1.081	-	14.4	20	77	0
Azobenzene	1.446	1.298	-	10.2	20	82	0
2,4,6-Tribromophenol	0.249	0.227	-	8.8	20	79	0
4-Bromophenyl phenyl ether	0.5	0.438	-	12.4	20	83	0
Hexachlorobenzene	0.569	0.498	-	12.5	20	84	0
Pentachlorophenol	0.361	0.332	-	8	20	76	0
IS1_Phenanthrene-d10	1	1	-	0	20	78	0
Phenanthrene	1.117	0.969	-	13.2	20	76	0
Anthracene	1.111	1	-	10	20	76	0
Carbazole	1.018	0.854	-	16.1	20	72	0
Di-n-butylphthalate	1.195	1.072	-	10.3	20	74	0
Fluoranthene	1.366	1.155	-	15.4	20	73	0
Benzidine	0.741	0.622	-	16.1	20	66	0
Pyrene	1.44	1.265	-	12.2	20	76	0
4-Terphenyl-d14	1.076	0.927	-	13.8	20	75	0
Butyl benzyl phthalate	0.55	0.482	-	12.4	20	75	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.478	1.245	-	15.8	20	78	0
3,3'-Dichlorobenzidine	0.489	0.471	-	3.7	20	79	0
Chrysene	1.429	1.155	-	19.2	20	76	0
Bis(2-ethylhexyl)phthalate	0.817	0.691	-	15.4	20	71	0
Di-n-octylphthalate	1.352	1.172	-	13.3	20	74	0
Benzo(b)fluoranthene	1.43	1.333	-	6.8	20	89	0
Benzo(k)fluoranthene	1.356	1.137	-	16.2	20	74	0
Benzo(a)pyrene	1.242	1.163	-	6.4	20	83	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/09/24 23:19	
Lab File ID	: ABN0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.069	-	1.2	20	88	0
Dibenzo(a,h)anthracene	1.042	1.046	-	-0.4	20	90	0
Benzo(ghi)perylene	0.964	1.018	-	-5.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:42		
Lab File ID	: AP90909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-4	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Benzaldehyde	1.187	1.177	-	0.8	20	112	0
Acetophenone	2.158	2.082	-	3.5	20	109	0
m-Toluidine	1.957	1.907	-	2.6	20	110	0
2-Chloroaniline	1.709	1.646	-	3.7	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	110	0
a-Terpineol	0.4	0.353	-	11.8	20	99	0
3-Chloroaniline	0.201	0.198	-	1.5	20	110	0
2,6-Dichlorophenol	0.362	0.346	-	4.4	20	102	0
1-chloro-2-nitrobenzene	0.18	0.175	-	2.8	20	104	0
Caprolactam	0.21	0.177	-	15.7	20	87	0
1,2,4,5-Tetrachlorobenzene	0.548	0.498	-	9.1	20	104	0
Biphenyl	1.084	0.952	-	12.2	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	114	0
Dichloran	0.247	0.226	-	8.5	20	98	0
Pentachloronitrobenzene	0.27	0.269	-	0.4	20	105	0
IS2_Phenanthrene-d10	1	1	-	0	20	104	0
Diphenamid	0.561	0.495	-	11.8	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/10/24 00:06	
Lab File ID	: ADP0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-5		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
1,4-Dioxane	0.584	0.512	-	12.3	20	115	0
n-Decane	1.662	1.421	-	14.5	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	107	0
Atrazine	0.509	0.4	-	21.4*	20	92	0
IS3_Phenanthrene-d10	1	1	-	0	20	96	0
n-Octadecane	0.498	0.395	-	20.7*	20	82	0
Parathion	0.124	0.117	-	5.6	20	99	0
3,3'-Dimethylbenzidine	0.791	0.749	-	5.3	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	65	0
n-Nitrosodimethylamine	0.71	0.807	-	-13.7	20	74	0
Pyridine	1.086	1.362	-	-25.4*	20	74	0
2-Fluorophenol	1.08	1.166	-	-8	20	70	0
Aniline	1.765	1.822	-	-3.2	20	72	0
2-Chlorophenol	1.294	1.409	-	-8.9	20	74	0
Phenol-d6	1.413	1.461	-	-3.4	20	72	0
Phenol	1.566	1.592	-	-1.7	20	71	0
Bis(2-chloroethyl)ether	1.247	1.293	-	-3.7	20	75	0
1,3-Dichlorobenzene	1.587	1.641	-	-3.4	20	73	0
1,4-Dichlorobenzene	1.599	1.658	-	-3.7	20	73	0
1,2-Dichlorobenzene	1.562	1.52	-	2.7	20	69	0
Benzyl alcohol	1.01	1.043	-	-3.3	20	74	0
Bis(2-chloroisopropyl)ethe	1.617	2.065	-	-27.7*	20	92	0
2-Methylphenol	1.126	1.188	-	-5.5	20	77	0
Hexachloroethane	0.563	0.633	-	-12.4	20	76	0
n-Nitrosodi-n-propylamine	0.862	0.869	-	-0.8	20	73	0
3-Methylphenol/4-Methylphe	1.241	1.274	-	-2.7	20	76	0
Nitrobenzene-d5	1.368	1.37	-	-0.1	20	72	0
Nitrobenzene	1.312	1.39	-	-5.9	20	75	0
Isophorone	2.344	2.356	-	-0.5	20	72	0
2-Nitrophenol	0.667	0.731	-	-9.6	20	80	0
2,4-Dimethylphenol	1.081	1.192	-	-10.3	20	117	0
Bis(2-chloroethoxy)methane	1.585	1.592	-	-0.4	20	75	0
2,4-Dichlorophenol	1.18	1.232	-	-4.4	20	75	0
1,2,4-Trichlorobenzene	1.405	1.419	-	-1	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.132	1.077	-	4.9	20	73	0
Benzoic Acid	5	5.836	-	-16.7	20	94	0
4-Chloroaniline	0.126	0.13	-	-3.2	20	72	0
Hexachlorobutadiene	0.224	0.231	-	-3.1	20	75	0
p-Chloro-m-cresol	0.283	0.304	-	-7.4	20	79	0
2-Methylnaphthalene	0.737	0.739	-	-0.3	20	76	0
1-Methylnaphthalene	0.238	0.241	-	-1.3	20	74	0
Hexachlorocyclopentadiene	0.212	0.243	-	-14.6	20	82	0
2,4,6-Trichlorophenol	0.234	0.263	-	-12.4	20	80	0
2,4,5-Trichlorophenol	0.249	0.264	-	-6	20	75	0
2-Fluorobiphenyl	0.9	0.886	-	1.6	20	78	0
2-Chloronaphthalene	0.763	0.714	-	6.4	20	74	0
2-Nitroaniline	0.204	0.208	-	-2	20	77	0
1,4-Dinitrobenzene	0.11	0.105	-	4.5	20	79	0
1,3-Dinitrobenzene	0.129	0.121	-	6.2	20	77	0
Dimethyl phthalate	0.863	0.857	-	0.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.132	1.131	-	0.1	20	77	0
2,6-Dinitrotoluene	0.169	0.179	-	-5.9	20	78	0
1,2-Dinitrobenzene	0.077	0.073	-	5.2	20	72	0
IS1_Acenaphthene-d10	1	1	-	0	20	69	0
3-Nitroaniline	0.32	0.331	-	-3.4	20	73	0
Acenaphthene	1.138	1.127	-	1	20	76	0
2,4-Dinitrophenol	5	5.289	-	-5.8	20	101	0
Dibenzofuran	1.879	1.793	-	4.6	20	75	0
2,4-Dinitrotoluene	0.408	0.428	-	-4.9	20	79	0
4-Nitrophenol	0.253	0.261	-	-3.2	20	75	0
2,3,5,6-Tetrachlorophenol	0.341	0.374	-	-9.7	20	76	0
2,3,4,6-Tetrachlorophenol	0.325	0.362	-	-11.4	20	75	0
Diethyl phthalate	1.327	1.352	-	-1.9	20	81	0
Fluorene	1.404	1.254	-	10.7	20	69	0
4-Chlorophenyl phenyl ethe	0.713	0.651	-	8.7	20	71	0
4-Nitroaniline	0.32	0.286	-	10.6	20	66	0
4,6-Dinitro-o-cresol	5	4.545	-	9.1	20	84	0
NDPA/DPA	1.166	0.986	-	15.4	20	64	0
Azobenzene	1.226	1.034	-	15.7	20	63	0
2,4,6-Tribromophenol	0.187	0.129	-	31*	20	52	0
4-Bromophenyl phenyl ether	0.385	0.328	-	14.8	20	66	0
Hexachlorobenzene	0.425	0.284	-	33.2*	20	51	0
Pentachlorophenol	5	3.963	-	20.7*	20	66	0
IS1_Phenanthrene-d10	1	1	-	0	20	71	0
Phenanthrene	1.151	1.063	-	7.6	20	74	0
Anthracene	1.089	1.088	-	0.1	20	78	0
Carbazole	0.994	0.994	-	0	20	76	0
Di-n-butylphthalate	1.094	1.205	-	-10.1	20	90	0
Fluoranthene	1.261	1.215	-	3.6	20	75	0
Benzidine	5	4.749	-	5	20	93	0
Pyrene	1.372	1.312	-	4.4	20	75	0
4-Terphenyl-d14	0.946	0.861	-	9	20	74	0
Butyl benzyl phthalate	5	4.524	-	9.5	20	94	0
IS1_Chrysene-d12	1	1	-	0	20	67	0
Benzo(a)anthracene	1.453	1.448	-	0.3	20	73	0
3,3'-Dichlorobenzidine	5	4.619	-	7.6	20	77	0
Chrysene	1.403	1.411	-	-0.6	20	74	0
Bis(2-ethylhexyl)phthalate	5	6.043	-	-20.9*	20	96	0
Di-n-octylphthalate	5	5.569	-	-11.4	20	104	0
Benzo(b)fluoranthene	1.251	1.319	-	-5.4	20	74	0
Benzo(k)fluoranthene	1.251	1.326	-	-6	20	70	0
Benzo(a)pyrene	1.101	1.282	-	-16.4	20	78	0
IS1_Perylene-d12	1	1	-	0	20	66	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 01:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-3		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.098	1.097	-	0.1	20	68	0
Dibenzo(a,h)anthracene	1.056	1.101	-	-4.3	20	69	0
Benzo(ghi)perylene	0.977	1.084	-	-11	20	70	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:48		
Lab File ID	: AP90909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-4	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
Benzaldehyde	1.145	1.047	-	8.6	20	81	0
Acetophenone	2.032	1.522	-	25.1*	20	67	0
m-Toluidine	1.86	1.428	-	23.2*	20	64	0
2-Chloroaniline	1.773	1.39	-	21.6*	20	67	0
IS2_Naphthalene-d8	1	1	-	0	20	72	0
a-Terpineol	0.297	0.218	-	26.6*	20	51	0
3-Chloroaniline	0.163	0.115	-	29.4*	20	50	0
2,6-Dichlorophenol	0.319	0.285	-	10.7	20	62	0
1-chloro-2-nitrobenzene	0.155	0.156	-	-0.6	20	73	0
Caprolactam	5	5.157	-	-3.1	20	84	0
1,2,4,5-Tetrachlorobenzene	0.444	0.44	-	0.9	20	74	0
Biphenyl	1.036	0.989	-	4.5	20	73	0
IS2_Acenaphthene-d10	1	1	-	0	20	83	0
Dichloran	5	4.128	-	17.4	20	84	0
Pentachloronitrobenzene	5	4.205	-	15.9	20	80	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.507	0.463	-	8.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 02:14		
Lab File ID	: ADP0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-5	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.459	0.469	-	-2.2	20	91	0
n-Decane	1.388	1.514	-	-9.1	20	93	0
IS3_Acenaphthene-d10	1	1	-	0	20	63	0
Atrazine	0.315	0.394	-	-25.1*	20	78	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.381	0.407	-	-6.8	20	83	0
Parathion	5	5.321	-	-6.4	20	97	0
3,3'-Dimethylbenzidine	5	4.268	-	14.6	20	84	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	85	0.00
2	t	n-Nitrosodimethylamine		0.851	0.829	2.6	91	0.00
3	t	Pyridine		1.392	1.341	3.7	89	0.00
4	S	2-Fluorophenol		1.156	1.200	-3.8	95	0.00
5	T	Aniline		2.049	1.724	15.9	79	0.00
6	t	2-Chlorophenol		1.288	1.251	2.9	93	0.00
7	S	Phenol-d6		1.583	1.576	0.4	95	0.00
8	T	Phenol		1.642	1.595	2.9	91	0.00
9	T	Bis(2-chloroethyl)ether		1.348	1.218	9.6	85	0.00
10	T	1,3-Dichlorobenzene		1.546	1.445	6.5	89	0.00
11	T	1,4-Dichlorobenzene		1.565	1.476	5.7	90	0.00
12	T	1,2-Dichlorobenzene		1.522	1.423	6.5	89	0.00
13	t	Benzyl alcohol		1.267	1.240	2.1	91	0.00
14	T	Bis(2-chloroisopropyl)ether		2.166	1.681	22.4#	74	0.00
15	T	2-Methylphenol		1.183	1.091	7.8	86	0.00
16	T	Hexachloroethane		0.623	0.599	3.9	95	0.00
17	T	n-Nitrosodi-n-propylamine		1.057	1.015	4.0	87	0.00
18	T	3-Methylphenol/4-Methylphen		1.279	1.187	7.2	88	0.00
19	S	Nitrobenzene-d5		1.619	1.552	4.1	91	0.00
20	T	Nitrobenzene		1.643	1.551	5.6	91	0.00
21	T	Isophorone		2.760	2.613	5.3	86	0.00
22	T	2-Nitrophenol		0.692	0.639	7.7	85	0.00
23	T	2,4-Dimethylphenol		1.301	0.875	32.7#	63	0.00
24	T	Bis(2-chloroethoxy)methane		1.778	1.519	14.6	81	0.00
25	T	2,4-Dichlorophenol		1.233	1.159	6.0	87	0.00
26	T	1,2,4-Trichlorobenzene		1.510	1.347	10.8	88	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	85	0.00
36	T	Naphthalene		1.147	0.975	15.0	82	0.00
37	T	Benzoic Acid	*	5.000	4.917	1.7	89	0.00
38	T	4-Chloroaniline		0.169	0.158	6.5	85	0.00
39	T	Hexachlorobutadiene		0.303	0.269	11.2	87	0.00
40	T	p-Chloro-m-cresol		0.343	0.343	0.0	91	0.00
41	T	2-Methylnaphthalene		0.764	0.649	15.1	80	0.00
42	T	1-Methylnaphthalene		0.290	0.273	5.9	88	0.00
43	T	Hexachlorocyclopentadiene		0.336	0.273	18.8	75	0.00
44	T	2,4,6-Trichlorophenol		0.301	0.284	5.6	85	0.00
45	T	2,4,5-Trichlorophenol		0.322	0.284	11.8	78	0.00
46	S	2-Fluorobiphenyl		1.027	0.855	16.7	79	0.00

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.813	0.702	13.7	81	0.00
48	T	2-Nitroaniline	0.245	0.201	18.0	73	0.00
49	T	1,4-Dinitrobenzene	0.129	0.110	14.7	77	0.00
50	T	1,3-Dinitrobenzene	0.147	0.123	16.3	74	0.00
51	T	Dimethyl phthalate	0.989	0.866	12.4	80	0.00
52	T	Acenaphthylene	1.244	1.063	14.5	77	0.00
53	T	2,6-Dinitrotoluene	0.213	0.175	17.8	72	0.00
54	T	1,2-Dinitrobenzene	0.091	0.080	12.1	77	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	85	0.00
64	T	3-Nitroaniline	0.319	0.284	11.0	76	0.00
65	T	Acenaphthene	1.153	0.953	17.3	78	0.00
66	T	2,4-Dinitrophenol	0.213	0.188	11.7	74	0.00
67	T	Dibenzofuran	1.936	1.584	18.2	78	0.00
68	T	2,4-Dinitrotoluene	0.475	0.397	16.4	73	0.00
69	T	4-Nitrophenol	0.323	0.314	2.8	88	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.452	0.423	6.4	82	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.435	0.413	5.1	82	0.00
72	T	Diethyl phthalate	1.529	1.318	13.8	80	0.00
73	T	Fluorene	1.523	1.208	20.7#	74	0.00
74	T	4-Chlorophenyl phenyl ether	0.801	0.661	17.5	80	0.00
75	T	4-Nitroaniline	0.333	0.274	17.7	75	0.00
76	T	4,6-Dinitro-o-cresol	0.266	0.268	-0.8	82	0.00
77	T	NDPA/DPA	1.263	1.081	14.4	77	0.00
78	T	Azobenzene	1.446	1.298	10.2	82	0.00
79	S	2,4,6-Tribromophenol	0.249	0.227	8.8	79	0.00
80	T	4-Bromophenyl phenyl ether	0.500	0.438	12.4	83	0.00
81	T	Hexachlorobenzene	0.569	0.498	12.5	84	0.00
82	T	Pentachlorophenol	0.361	0.332	8.0	76	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	78	0.00
89	T	Phenanthrene	1.117	0.969	13.2	76	0.00
90	T	Anthracene	1.111	1.000	10.0	76	0.00
91	T	Carbazole	1.018	0.854	16.1	72	0.00
92	T	Di-n-butylphthalate	1.195	1.072	10.3	74	0.00
93	T	Fluoranthene	1.366	1.155	15.4	73	0.00
94	T	Benzidine	0.741	0.622	16.1	66	0.00
95	T	Pyrene	1.440	1.265	12.2	76	0.00
96	S	4-Terphenyl-d14	1.076	0.927	13.8	75	0.00

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.550	0.482	12.4	75	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	82	0.00
105	T	Benzo(a)anthracene	1.478	1.245	15.8	78	0.00
106	T	3,3'-Dichlorobenzidine	0.489	0.471	3.7	79	0.00
107	T	Chrysene	1.429	1.155	19.2	76	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.817	0.691	15.4	71	0.00
109	T	Di-n-octylphthalate	1.352	1.172	13.3	74	0.00
110	T	Benzo(b)fluoranthene	1.430	1.333	6.8	89	0.00
111	T	Benzo(k)fluoranthene	1.356	1.137	16.2	74	0.00
112	T	Benzo(a)pyrene	1.242	1.163	6.4	83	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	86	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.082	1.069	1.2	88	0.00
115	T	Dibenzo(a,h)anthracene	1.042	1.046	-0.4	90	0.00
116	T	Benzo(ghi)perylene	0.964	1.018	-5.6	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	5.907	152	29408	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	7.395	136	103126	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	9.160	164	67620	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	10.589	188	136945	4.000	ug/ml		0.00
104) IS1_Chrysene-d12	13.165	240	143932	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	14.595	264	167404	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	3.466	112	44125	5.191	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 259.55%#				
7) Phenol-d6	5.548	99	57946	4.980	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.00%#				
19) Nitrobenzene-d5	6.613	82	57063	4.795	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 479.50%#				
46) 2-Fluorobiphenyl	8.536	172	110274	4.164	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 416.40%#				
79) 2,4,6-Tribromophenol	9.930	330	19152	4.544	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 227.20%#				
96) 4-Terphenyl-d14	12.166	244	158615	4.307	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 430.70%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.531	74	30466	4.868	ug/ml#		69
3) Pyridine	1.560	79	49278	4.814	ug/ml#		56
5) Aniline	5.466	93	63387	4.209	ug/ml		97
6) 2-Chlorophenol	5.625	128	45978	4.856	ug/ml		97
8) Phenol	5.560	94	58619	4.856	ug/ml#		86
9) Bis(2-chloroethyl)ether	5.625	93	44760	4.515	ug/ml#		79
10) 1,3-Dichlorobenzene	5.825	146	53136	4.673	ug/ml		98
11) 1,4-Dichlorobenzene	5.931	146	54244	4.715	ug/ml		95
12) 1,2-Dichlorobenzene	6.119	146	52315	4.674	ug/ml		98
13) Benzyl alcohol	6.154	79	45584	4.892	ug/ml		88
14) Bis(2-chloroisopropyl)...	6.348	45	61801	3.881	ug/ml#		44
15) 2-Methylphenol	6.354	108	40114	4.614	ug/ml		97
16) Hexachloroethane	6.531	117	22029	4.812	ug/ml#		49
17) n-Nitrosodi-n-propylamine	6.501	70	37325	4.803	ug/ml#		87
18) 3-Methylphenol/4-Methy...	6.548	108	43623	4.639	ug/ml		99
20) Nitrobenzene	6.636	77	57020	4.720	ug/ml		90
21) Isophorone	6.931	82	96065	4.734	ug/ml#		90
22) 2-Nitrophenol	7.007	139	23480	4.617	ug/ml#		84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.131	107	32174	3.363	ug/ml	90
24) Bis(2-chloroethoxy)met...	7.225	93	55855	4.273	ug/ml	99
25) 2,4-Dichlorophenol	7.284	162	42605	4.700	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.354	180	49503	4.459	ug/ml	98
36) Naphthalene	7.419	128	125733	4.253	ug/ml	99
37) Benzoic Acid	7.242	105	34984	4.917	ug/ml	94
38) 4-Chloroaniline	7.519	65	20333	4.665	ug/ml	80
39) Hexachlorobutadiene	7.601	225	34685	4.445	ug/ml	96
40) p-Chloro-m-cresol	8.066	107	44247	5.009	ug/ml	90
41) 2-Methylnaphthalene	8.142	142	83626	4.244	ug/ml#	94
42) 1-Methylnaphthalene	8.236	115	35214M3	4.706	ug/ml	
43) Hexachlorocyclopentadiene	8.325	237	35206	4.067	ug/ml	99
44) 2,4,6-Trichlorophenol	8.454	196	36585	4.722	ug/ml	97
45) 2,4,5-Trichlorophenol	8.478	196	36604M3	4.412	ug/ml	
47) 2-Chloronaphthalene	8.619	162	90486	4.319	ug/ml	98
48) 2-Nitroaniline	8.742	138	25883	4.101	ug/ml	95
49) 1,4-Dinitrobenzene	8.883	168	14161	4.263	ug/ml	98
50) 1,3-Dinitrobenzene	8.954	168	15904	4.201	ug/ml#	1
51) Dimethyl phthalate	8.960	163	111684	4.380	ug/ml#	99
52) Acenaphthylene	9.019	152	137032	4.273	ug/ml	99
53) 2,6-Dinitrotoluene	8.995	165	22546	4.107	ug/ml	93
54) 1,2-Dinitrobenzene	9.030	168	10373	4.431	ug/ml#	1
64) 3-Nitroaniline	9.148	138	24033	4.451	ug/ml#	86
65) Acenaphthene	9.195	154	80560	4.134	ug/ml	95
66) 2,4-Dinitrophenol	9.248	184	15868	4.401	ug/ml	89
67) Dibenzofuran	9.366	168	133909	4.091	ug/ml#	76
68) 2,4-Dinitrotoluene	9.383	165	33522	4.176	ug/ml#	86
69) 4-Nitrophenol	9.354	65	26561	4.858	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.460	232	35748	4.677	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.501	232	34906	4.747	ug/ml	99
72) Diethyl phthalate	9.654	149	111425	4.309	ug/ml	97
73) Fluorene	9.695	166	102102	3.967	ug/ml	98
74) 4-Chlorophenyl phenyl ...	9.725	204	55902	4.127	ug/ml	89
75) 4-Nitroaniline	9.730	138	23134M3	4.116	ug/ml	
76) 4,6-Dinitro-o-cresol	9.772	198	22659	5.036	ug/ml#	66
77) NDPA/DPA	9.842	169	91383	4.282	ug/ml	99
78) Azobenzene	9.872	77	109715	4.489	ug/ml	98
80) 4-Bromophenyl phenyl e...	10.189	248	37049	4.383	ug/ml#	86
81) Hexachlorobenzene	10.230	284	42073	4.376	ug/ml#	80
82) Pentachlorophenol	10.430	266	28035	4.592	ug/ml	97
89) Phenanthrene	10.607	178	165924	4.338	ug/ml	99

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	10.660	178	171181	4.502	ug/ml	99
91) Carbazole	10.830	167	146190	4.196	ug/ml	99
92) Di-n-butylphthalate	11.242	149	183452	4.483	ug/ml	99
93) Fluoranthene	11.754	202	197669	4.227	ug/ml#	90
94) Benzidine	11.918	184	106412	4.192	ug/ml#	93
95) Pyrene	11.960	202	216604	4.394	ug/ml	98
97) Butyl benzyl phthalate	12.689	149	82506	4.380	ug/ml	97
105) Benzo(a)anthracene	13.160	228	223924	4.210	ug/ml	98
106) 3,3'-Dichlorobenzidine	13.171	252	84754	4.817	ug/ml#	96
107) Chrysene	13.195	228	207847	4.042	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.318	149	124279	4.227	ug/ml	92
109) Di-n-octylphthalate	13.983	149	210895	4.334	ug/ml#	73
110) Benzo(b)fluoranthene	14.230	252	239829	4.660	ug/ml#	89
111) Benzo(k)fluoranthene	14.260	252	204527	4.191	ug/ml#	91
112) Benzo(a)pyrene	14.536	252	209297	4.685	ug/ml#	90
114) Indeno(1,2,3-cd)pyrene	15.536	276	223753M6	4.941	ug/mL	
115) Dibenzo(a,h)anthracene	15.559	278	218861	5.020	ug/ml#	85
116) Benzo(ghi)perylene	15.748	276	213025	5.280	ug/ml#	79

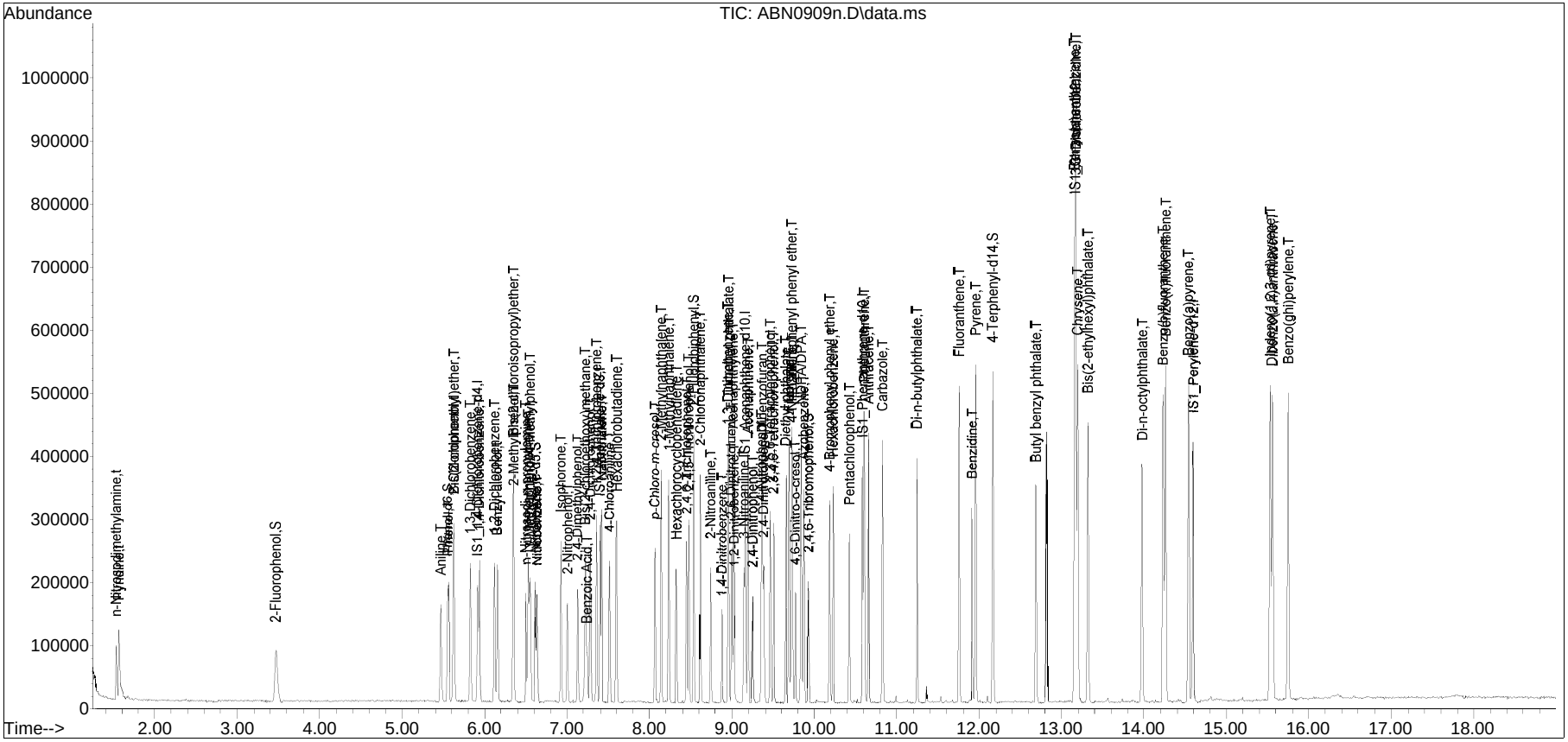
(#) = qualifier out of range (m) = manual integration (+) = signals summed

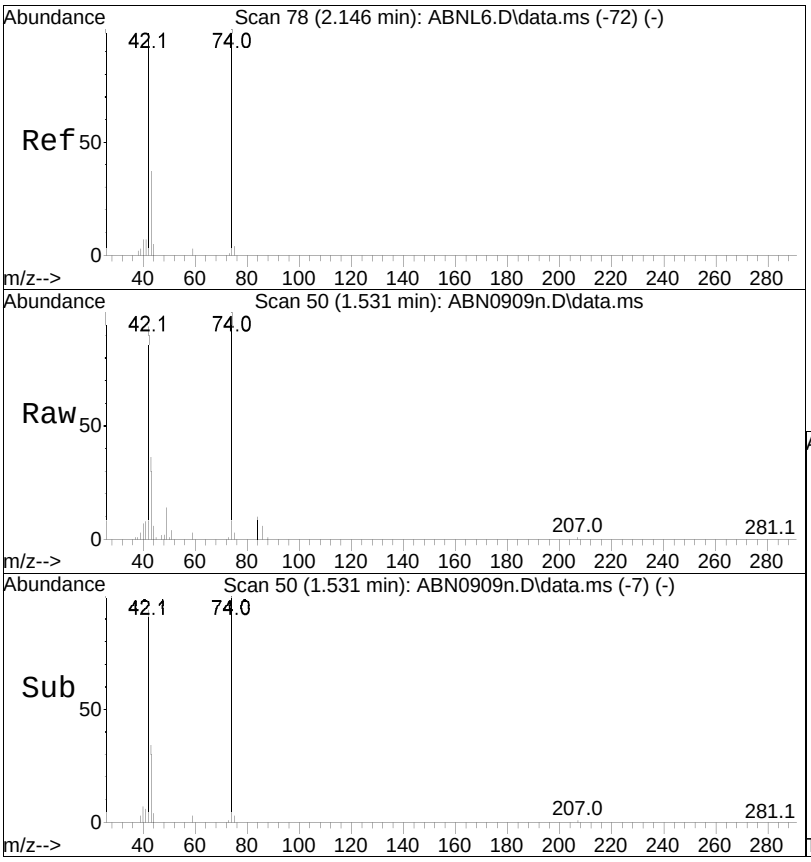
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : ABN0909n.D
Acq On : 9 Sep 2024 11:19 pm
Operator : SV106:ljg
Sample : WG1968644-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968644,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 09 23:46:33 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:47:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

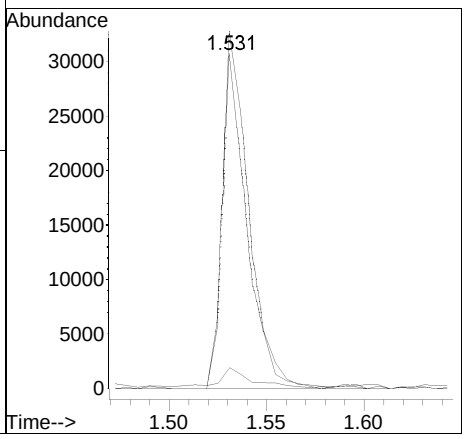


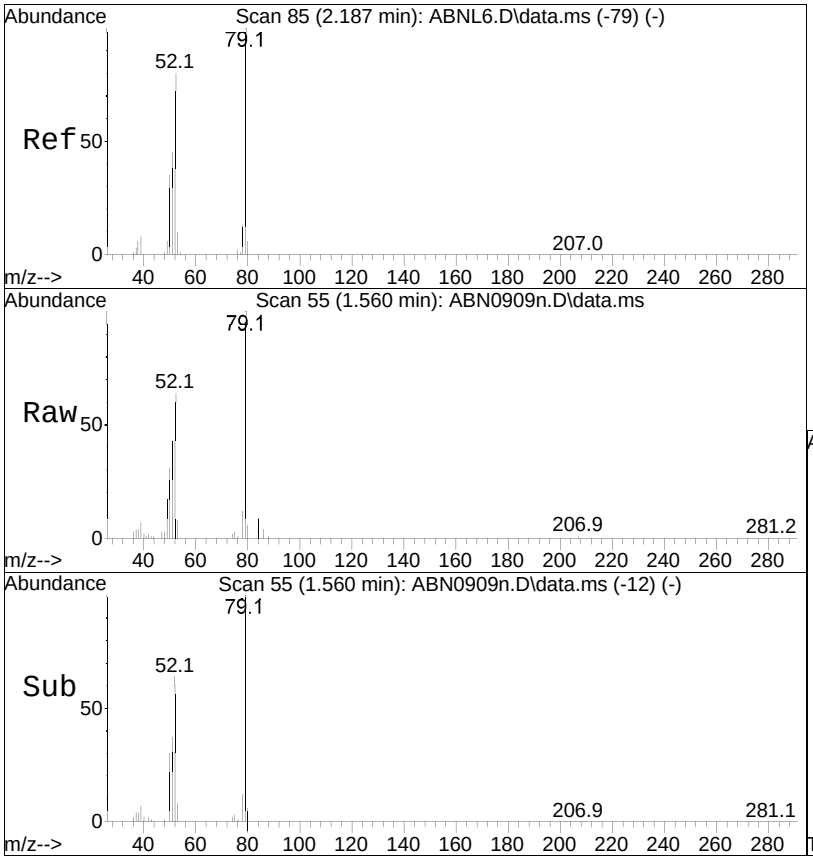


#2
n-Nitrosodimethylamine
Concen: 4.87 ug/ml
RT: 1.531 min Scan# 50
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 74 Resp: 30466

Ion	Ratio	Lower	Upper
74	100		
42	87.3	100.0	150.0#
44	6.3	6.7	10.1#

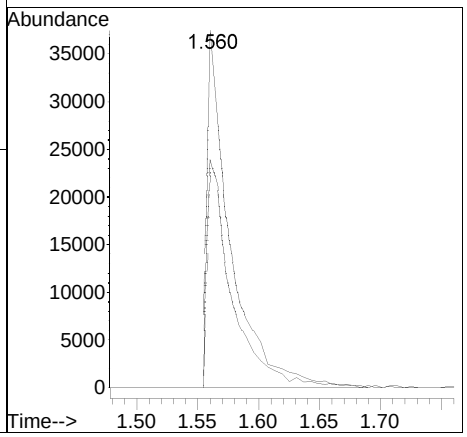


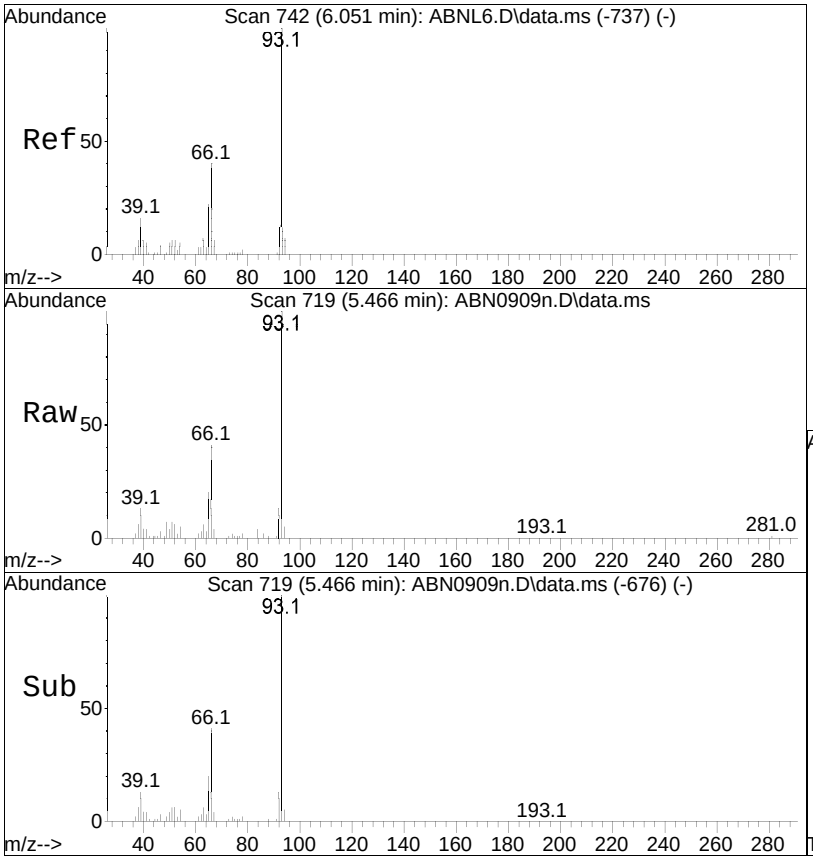


#3
Pyridine
Concen: 4.81 ug/ml
RT: 1.560 min Scan# 55
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 79 Resp: 49278

Ion	Ratio	Lower	Upper
79	100		
52	68.8	93.1	139.7#

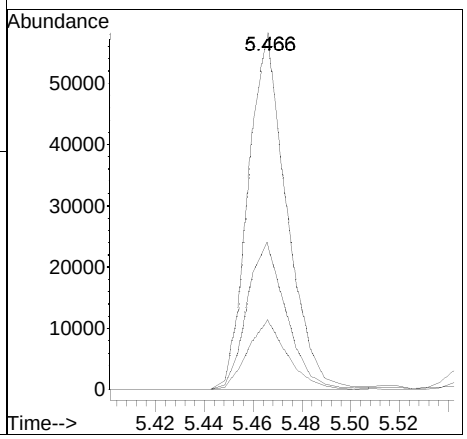


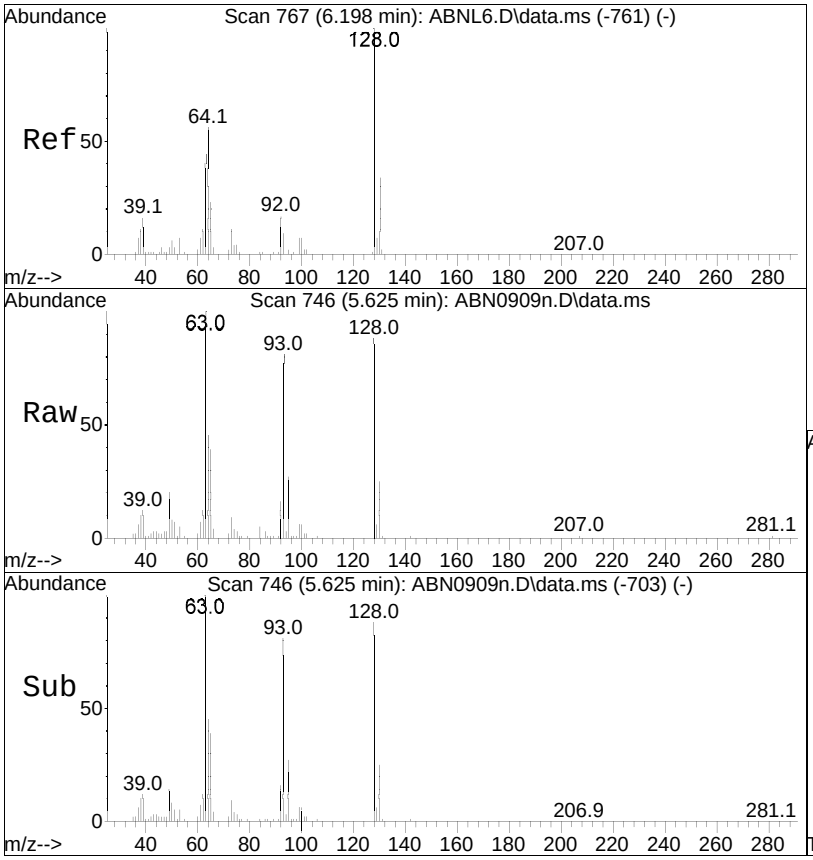


#5
Aniline
Concen: 4.21 ug/ml
RT: 5.466 min Scan# 719
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 93 Resp: 63387

Ion	Ratio	Lower	Upper
93	100		
66	42.2	32.6	49.0
65	20.1	17.6	26.4

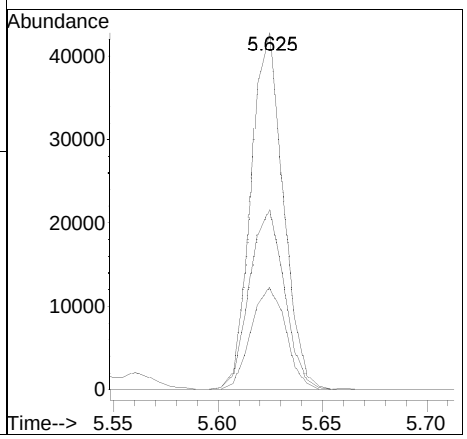


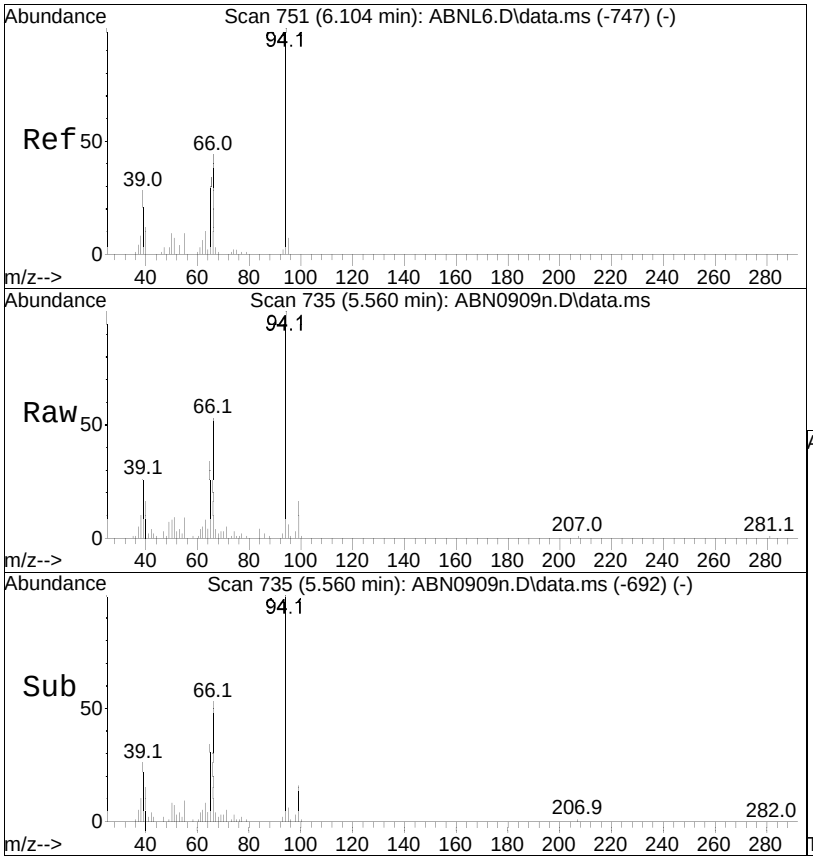


#6
2-Chlorophenol
Concen: 4.86 ug/ml
RT: 5.625 min Scan# 746
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:128 Resp: 45978

Ion	Ratio	Lower	Upper
128	100		
64	54.6	45.1	67.7
130	31.0	26.2	39.4

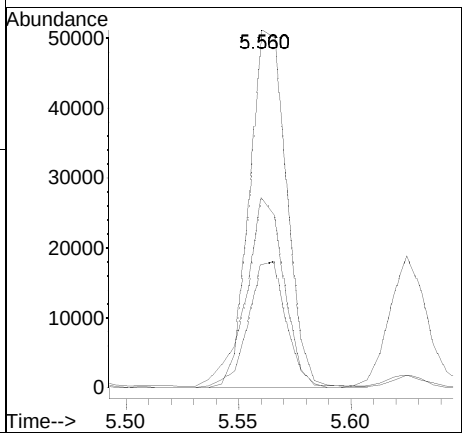


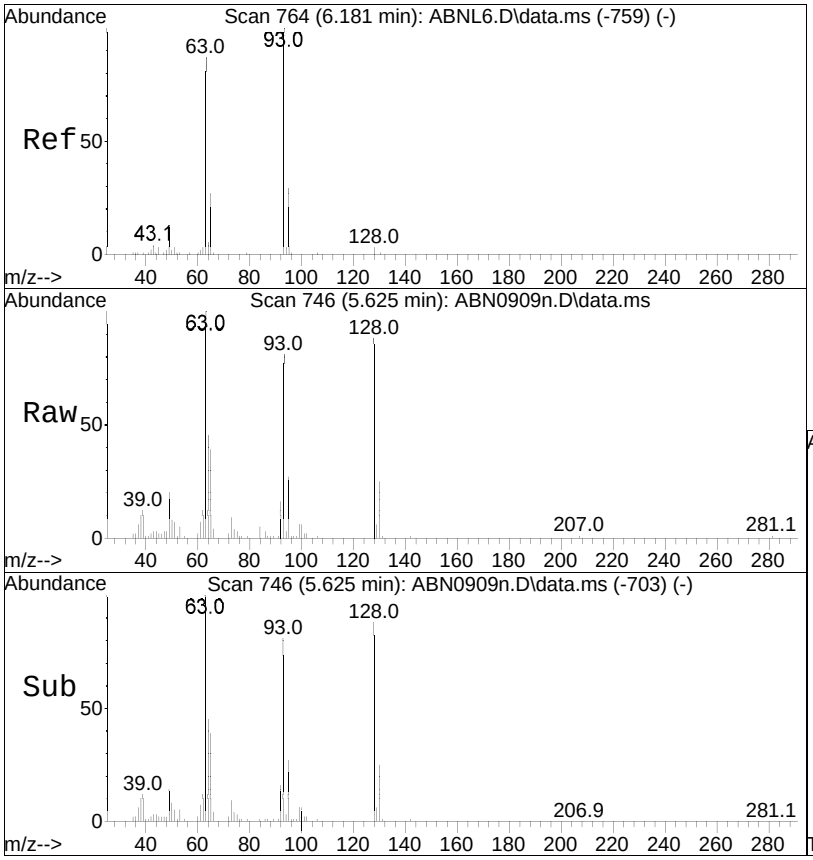


#8
Phenol
Concen: 4.86 ug/ml
RT: 5.560 min Scan# 735
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 94 Resp: 58619

Ion	Ratio	Lower	Upper
94	100		
65	36.1	26.0	39.0
66	55.2	33.8	50.8#

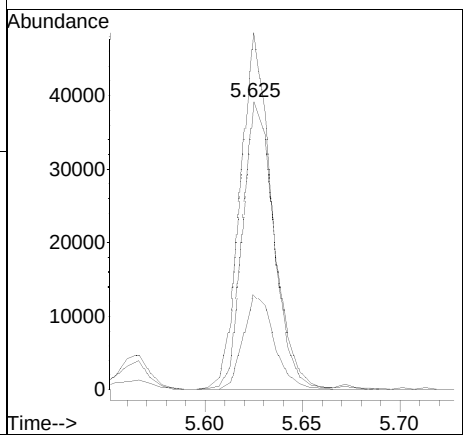


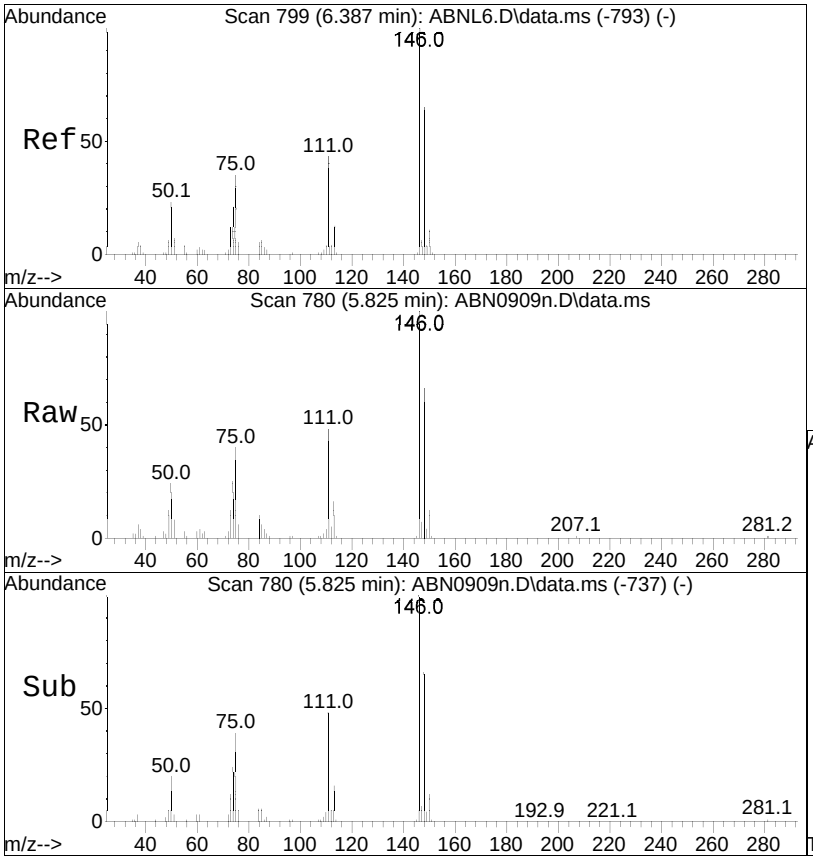


#9
Bis(2-chloroethyl)ether
Concen: 4.52 ug/ml
RT: 5.625 min Scan# 746
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 93 Resp: 44760

Ion	Ratio	Lower	Upper
93	100		
63	120.2	74.6	111.8#
95	31.7	25.9	38.9

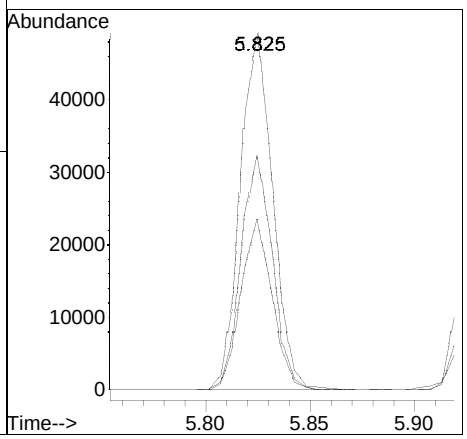


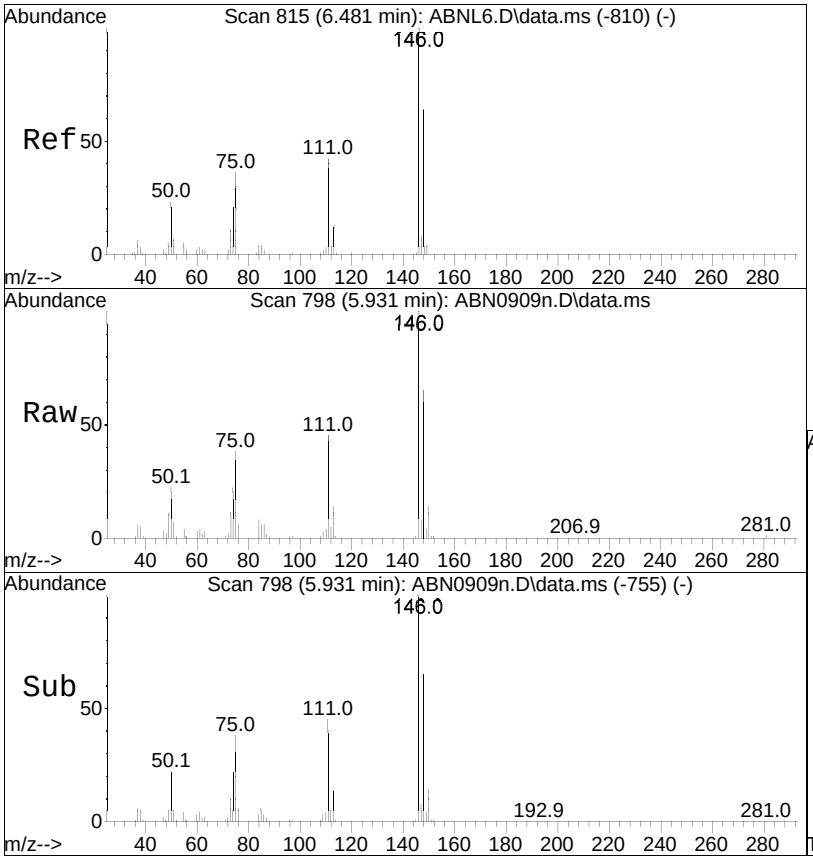


#10
1,3-Dichlorobenzene
Concen: 4.67 ug/ml
RT: 5.825 min Scan# 780
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:146 Resp: 53136

Ion	Ratio	Lower	Upper
146	100		
111	46.1	34.3	51.5
148	63.5	50.8	76.2

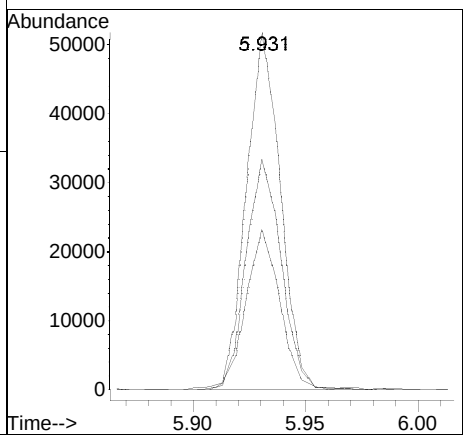


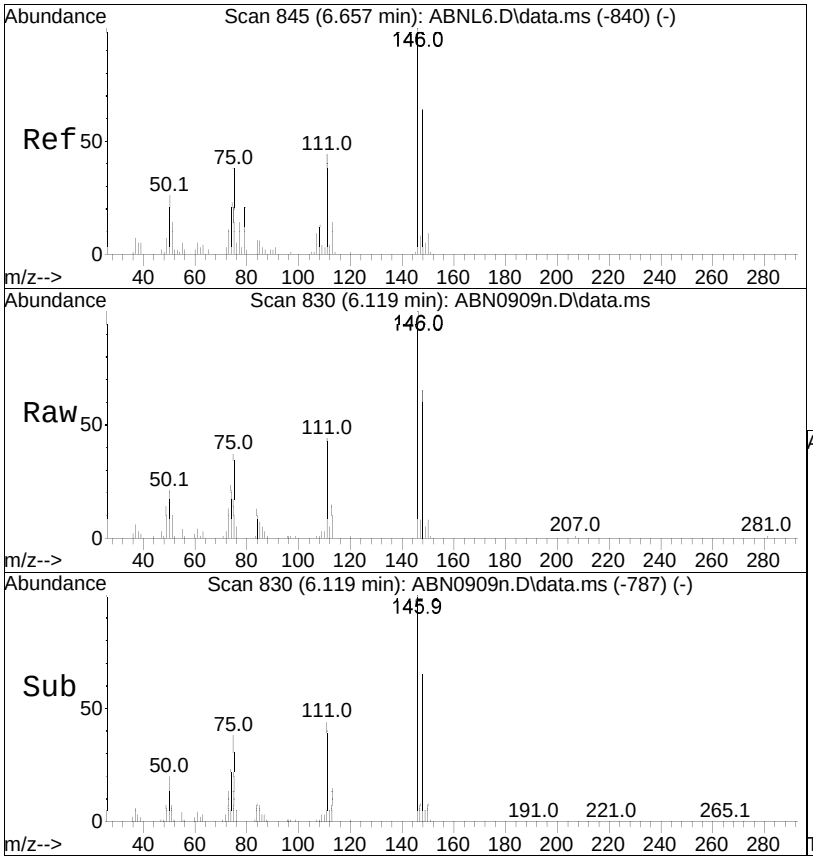


#11
1,4-Dichlorobenzene
Concen: 4.71 ug/ml
RT: 5.931 min Scan# 798
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:146 Resp: 54244

Ion	Ratio	Lower	Upper
146	100		
148	66.8	50.7	76.1
111	45.8	33.4	50.0

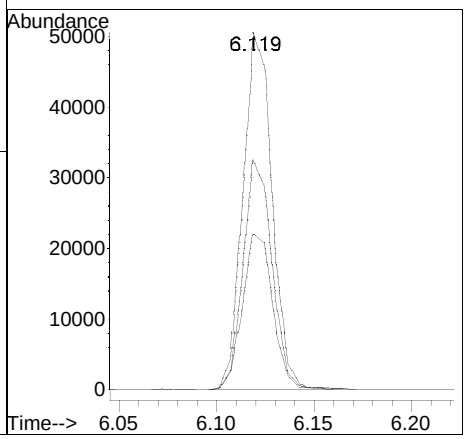


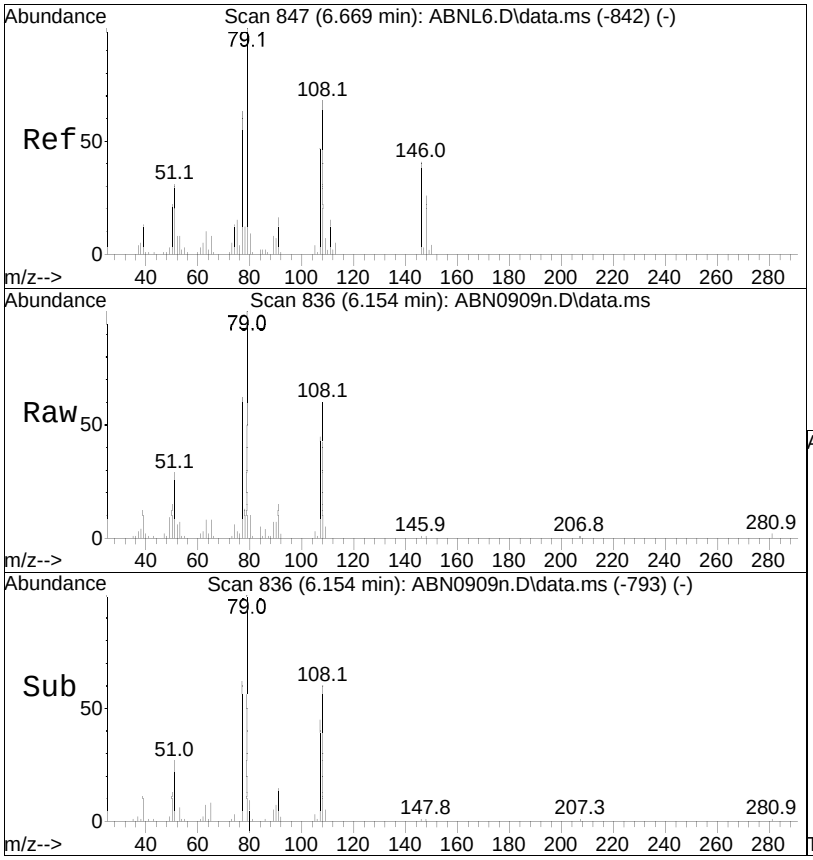


#12
1,2-Dichlorobenzene
Concen: 4.67 ug/ml
RT: 6.119 min Scan# 830
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:146 Resp: 52315

Ion	Ratio	Lower	Upper
146	100		
111	45.5	34.6	52.0
148	64.1	50.2	75.4

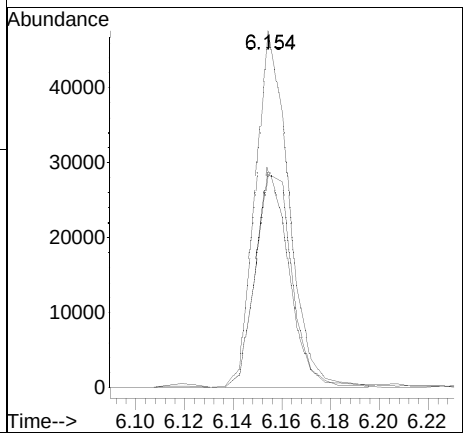


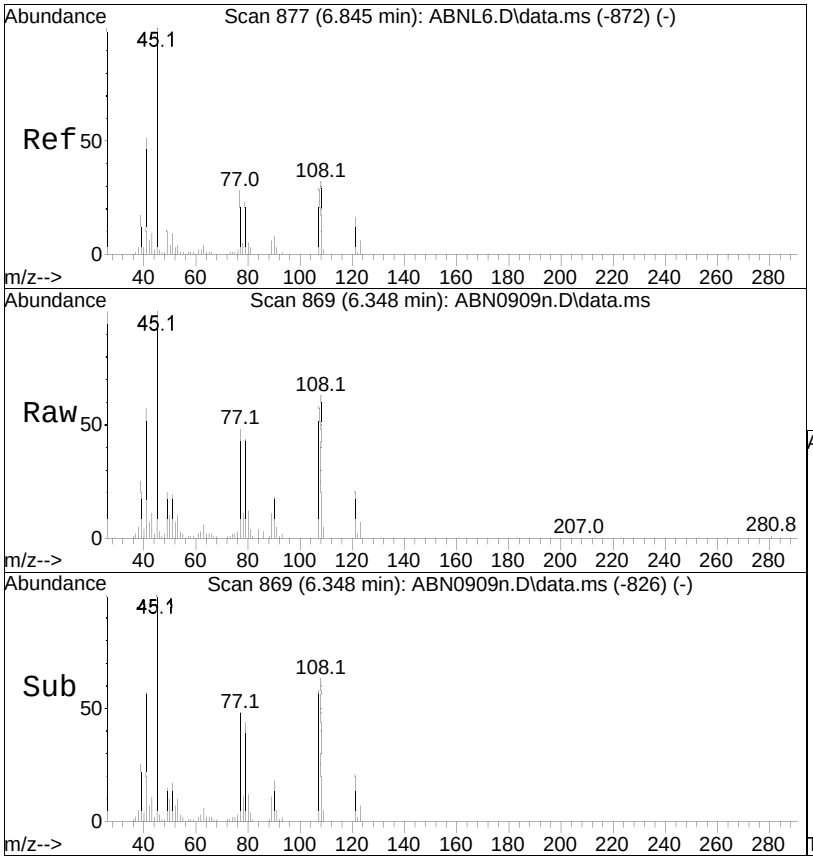


#13
Benzyl alcohol
Concen: 4.89 ug/ml
RT: 6.154 min Scan# 836
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 79 Resp: 45584

Ion	Ratio	Lower	Upper
79	100		
77	62.3	54.9	82.3
108	65.3	63.1	94.7

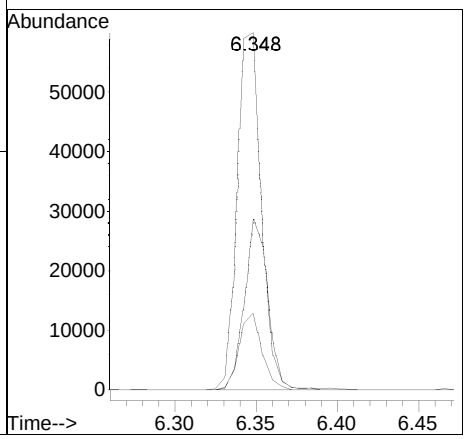


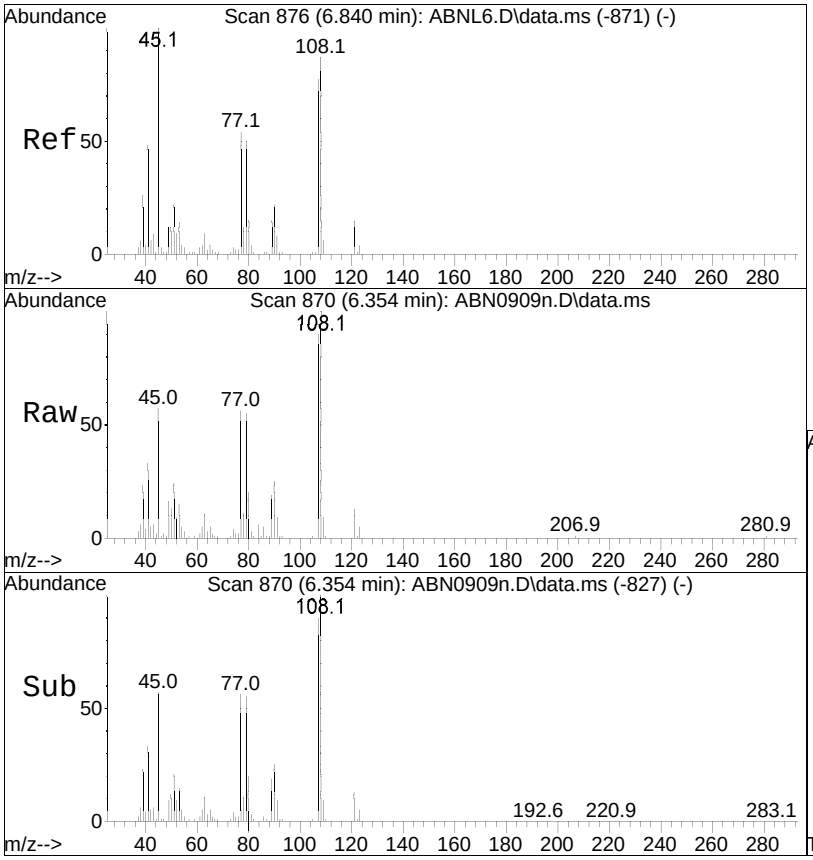


#14
Bis(2-chloroisopropyl)ether
Concen: 3.88 ug/ml
RT: 6.348 min Scan# 869
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 45 Resp: 61801

Ion	Ratio	Lower	Upper
45	100		
121	20.4	9.8	14.6#
77	46.5	6.1	9.1#

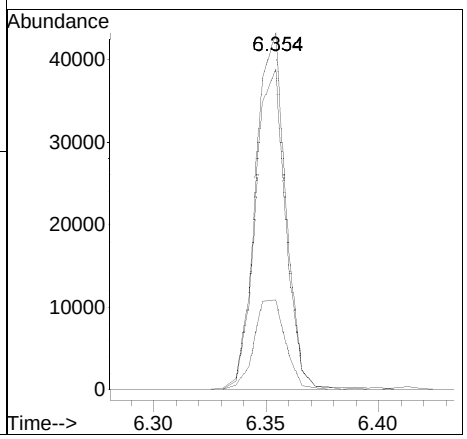


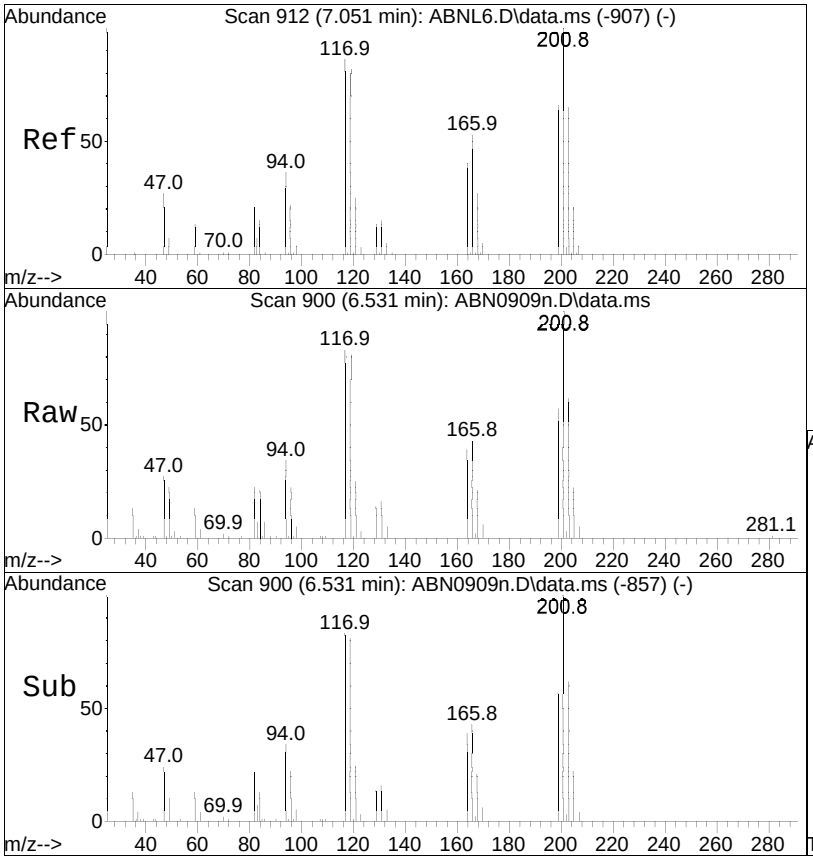


#15
2-Methylphenol
Concen: 4.61 ug/ml
RT: 6.354 min Scan# 870
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:108 Resp: 40114

Ion	Ratio	Lower	Upper
108	100		
107	90.8	70.7	106.1
90	26.3	18.7	28.1

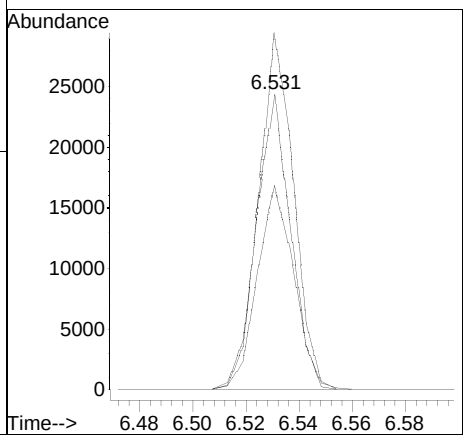


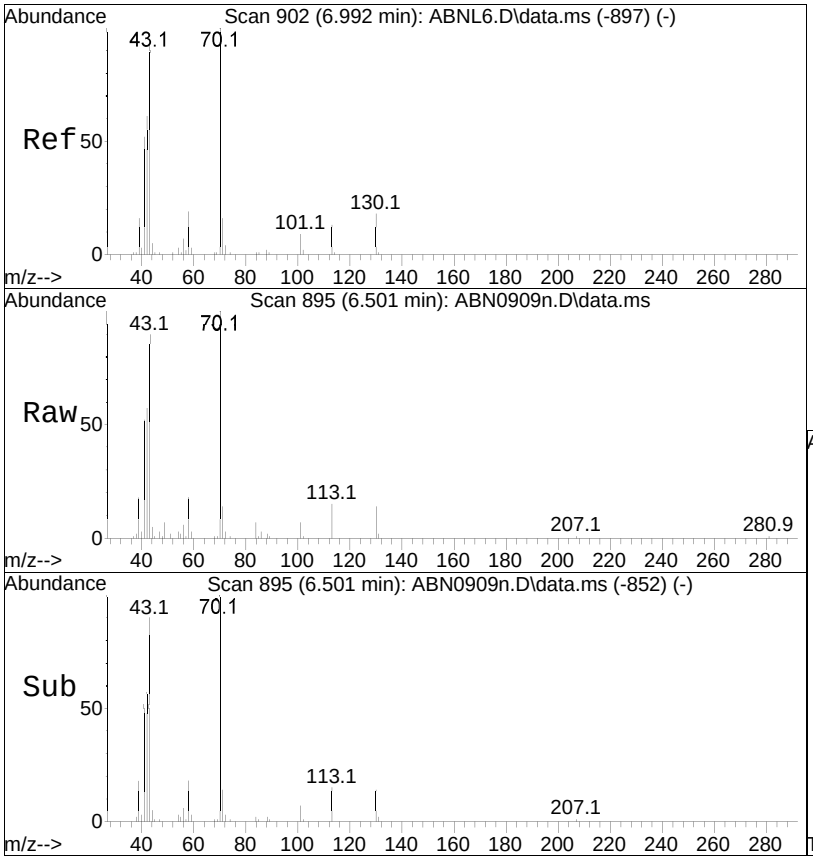


#16
Hexachloroethane
Concen: 4.81 ug/ml
RT: 6.531 min Scan# 900
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:117 Resp: 22029

Ion	Ratio	Lower	Upper
117	100		
201	121.6	58.6	87.8#
199	72.7	36.9	55.3#

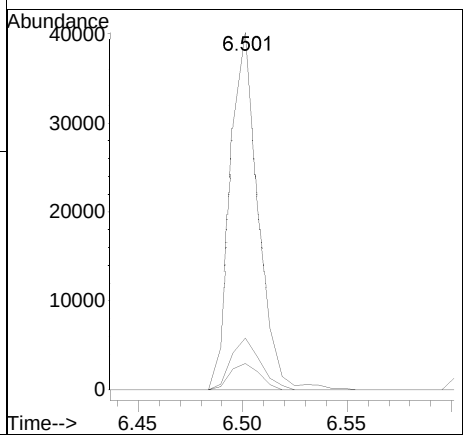


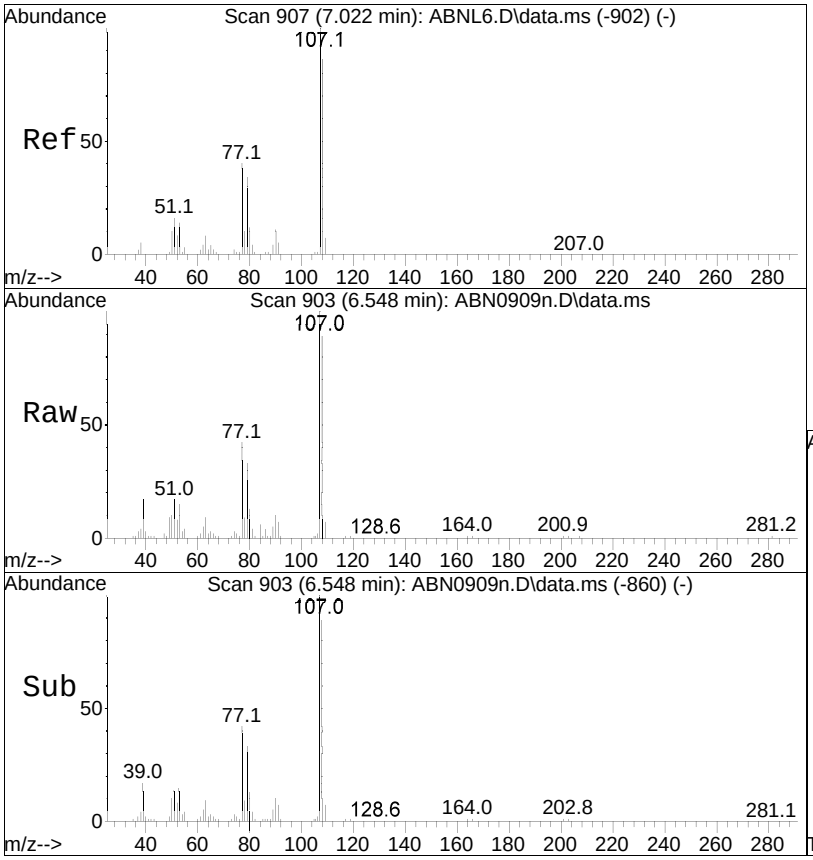


#17
n-Nitrosodi-n-propylamine
Concen: 4.80 ug/ml
RT: 6.501 min Scan# 895
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 70 Resp: 37325

Ion	Ratio	Lower	Upper
70	100		
130	15.2	18.2	27.4#
101	7.8	7.8	11.8#

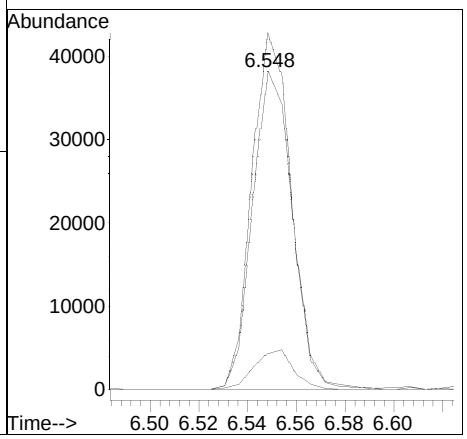


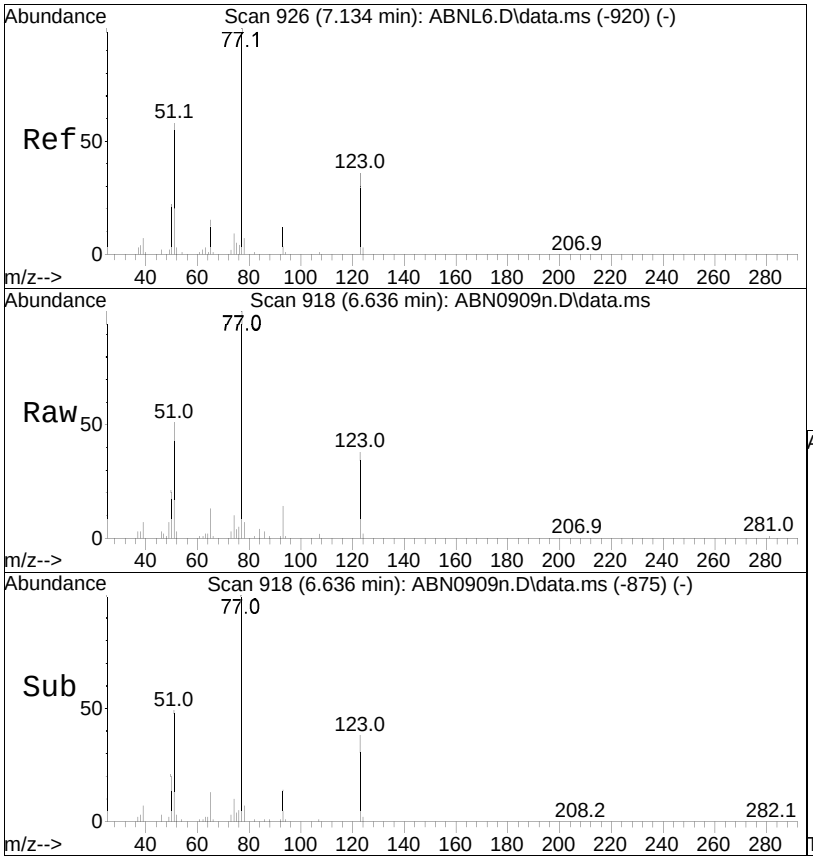


#18
3-Methylphenol/4-Methylphenol
Concen: 4.64 ug/ml
RT: 6.548 min Scan# 903
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:108 Resp: 43623

Ion	Ratio	Lower	Upper
108	100		
107	109.8	88.6	132.8
90	12.4	8.8	13.2

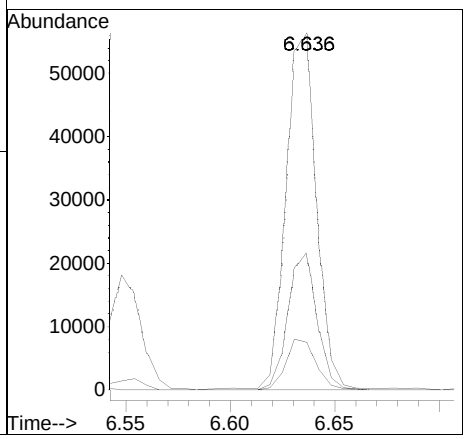


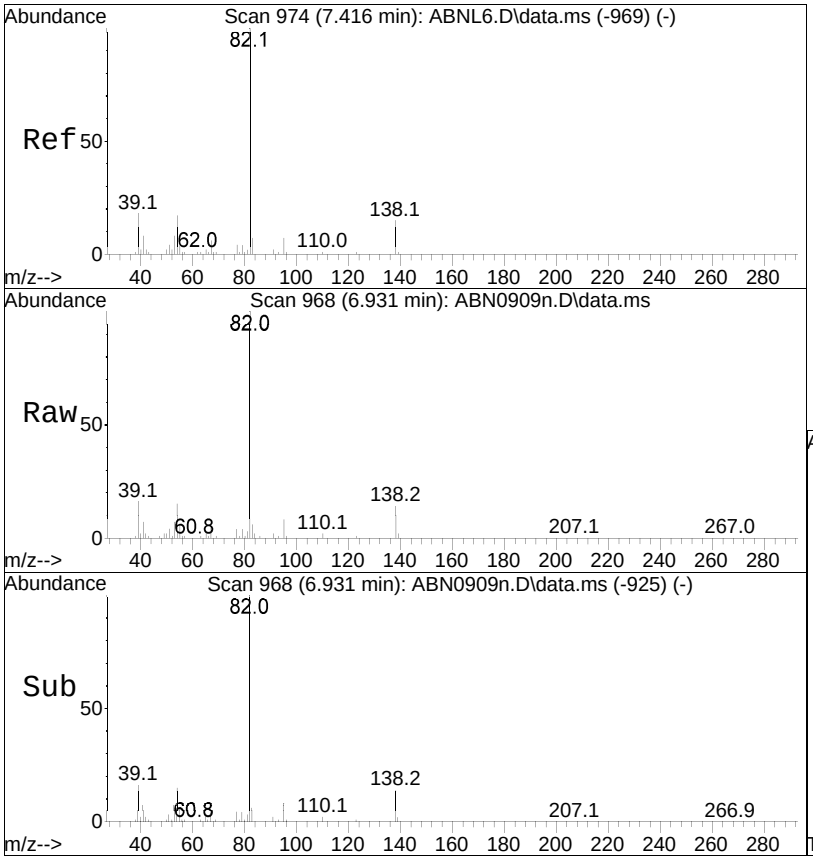


#20
Nitrobenzene
Concen: 4.72 ug/ml
RT: 6.636 min Scan# 918
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 77 Resp: 57020

Ion	Ratio	Lower	Upper
77	100		
123	36.7	36.3	54.5
65	14.1	11.6	17.4

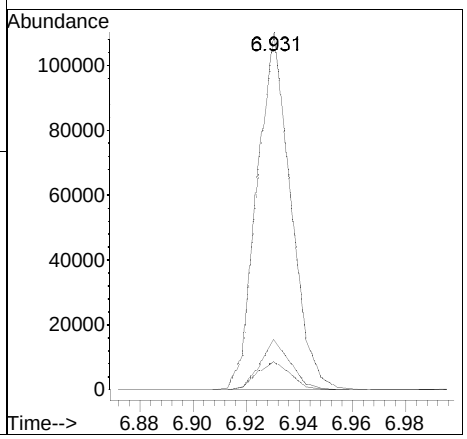


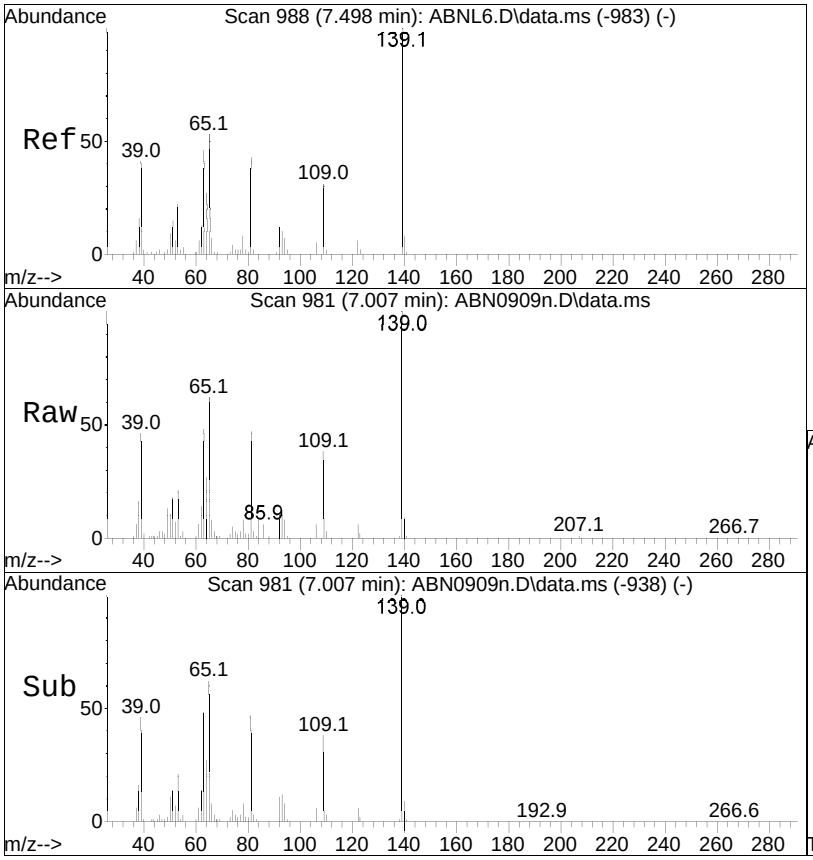


#21
Isophorone
Concen: 4.73 ug/ml
RT: 6.931 min Scan# 968
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 82 Resp: 96065

Ion	Ratio	Lower	Upper
82	100		
138	12.7	14.7	22.1#
95	7.9	5.2	7.8#

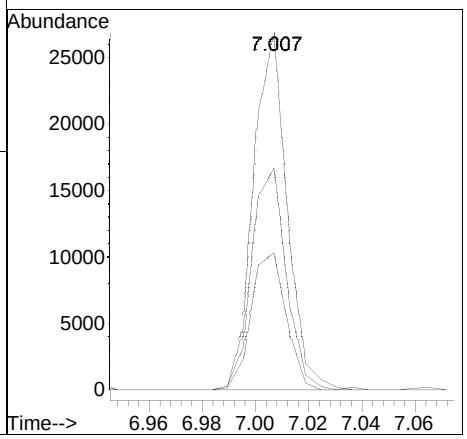


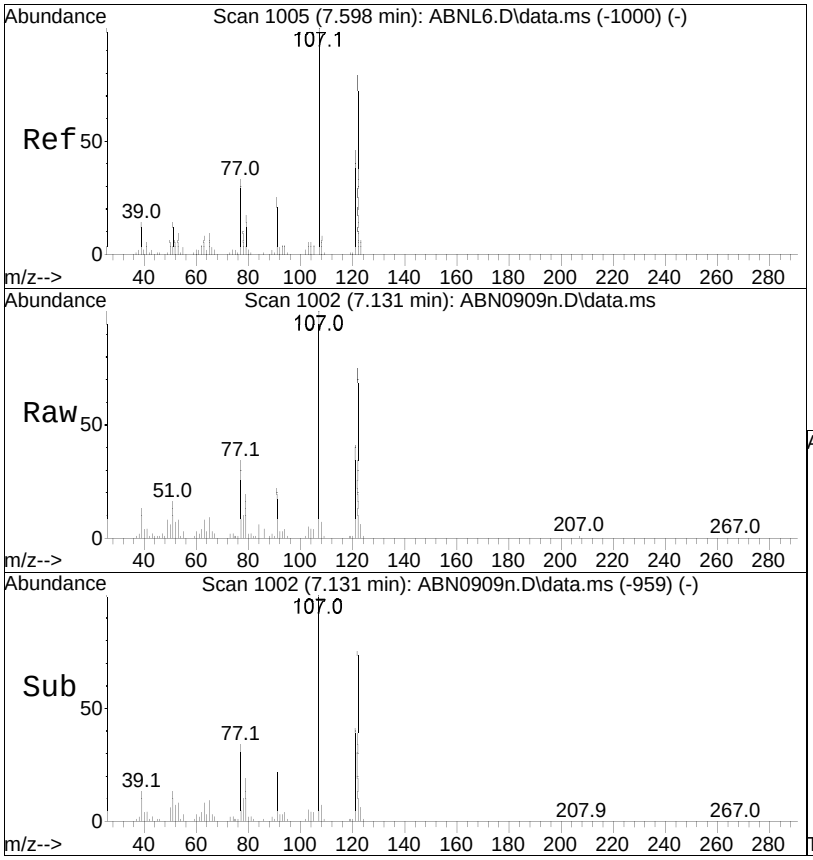


#22
2-Nitrophenol
Concen: 4.62 ug/ml
RT: 7.007 min Scan# 981
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:139 Resp: 23480

Ion	Ratio	Lower	Upper
139	100		
109	40.2	19.4	29.0#
65	64.2	46.1	69.1

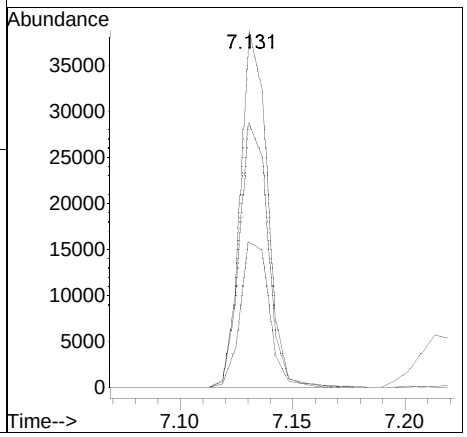


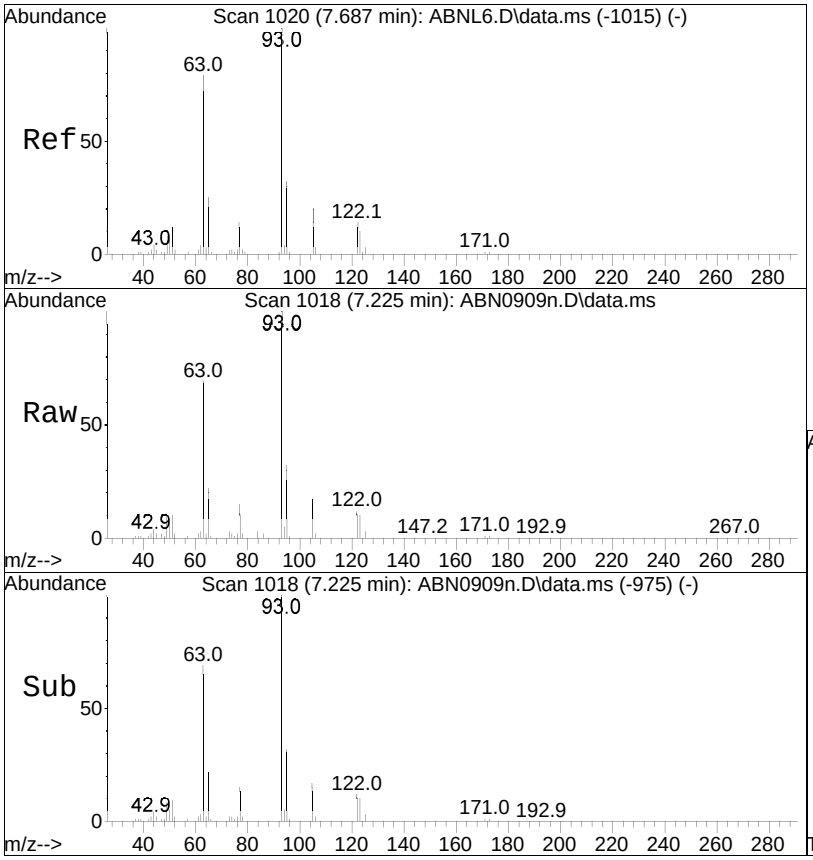


#23
2,4-Dimethylphenol
Concen: 3.36 ug/ml
RT: 7.131 min Scan# 1002
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:107 Resp: 32174

Ion	Ratio	Lower	Upper
107	100		
121	44.1	40.0	60.0
122	78.1	70.2	105.4

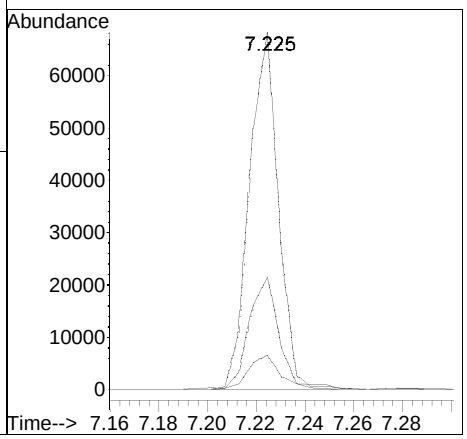


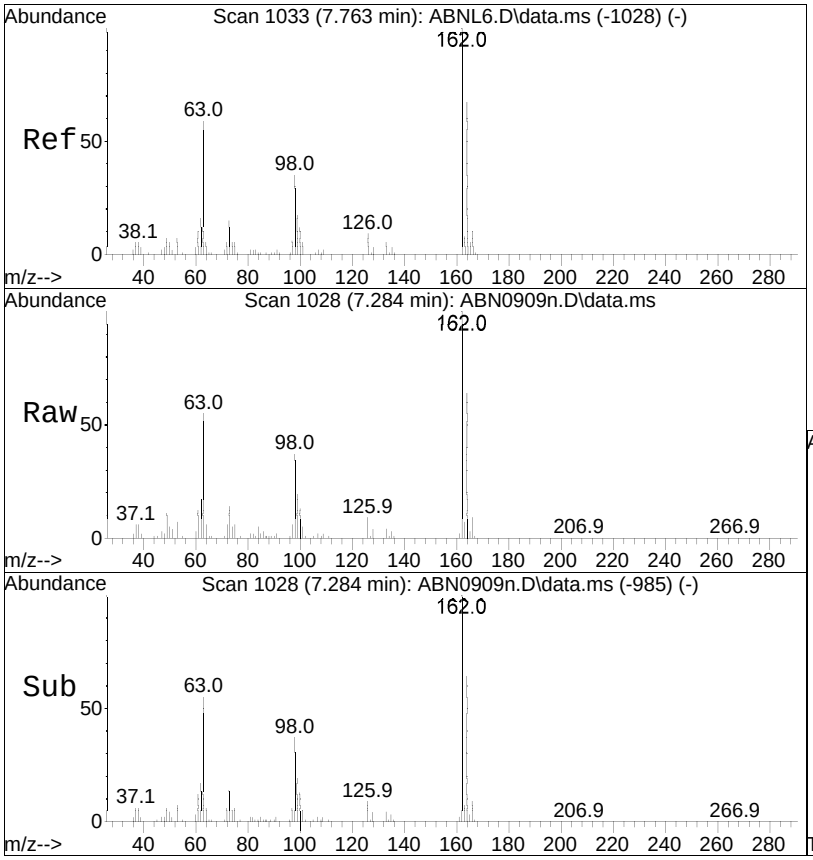


#24
Bis(2-chloroethoxy)methane
Concen: 4.27 ug/ml
RT: 7.225 min Scan# 1018
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 93 Resp: 55855

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	12.0	10.1	15.1

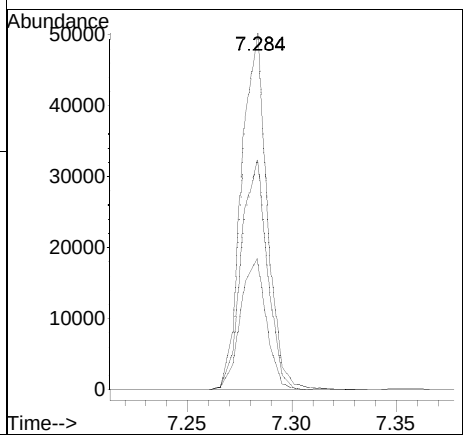


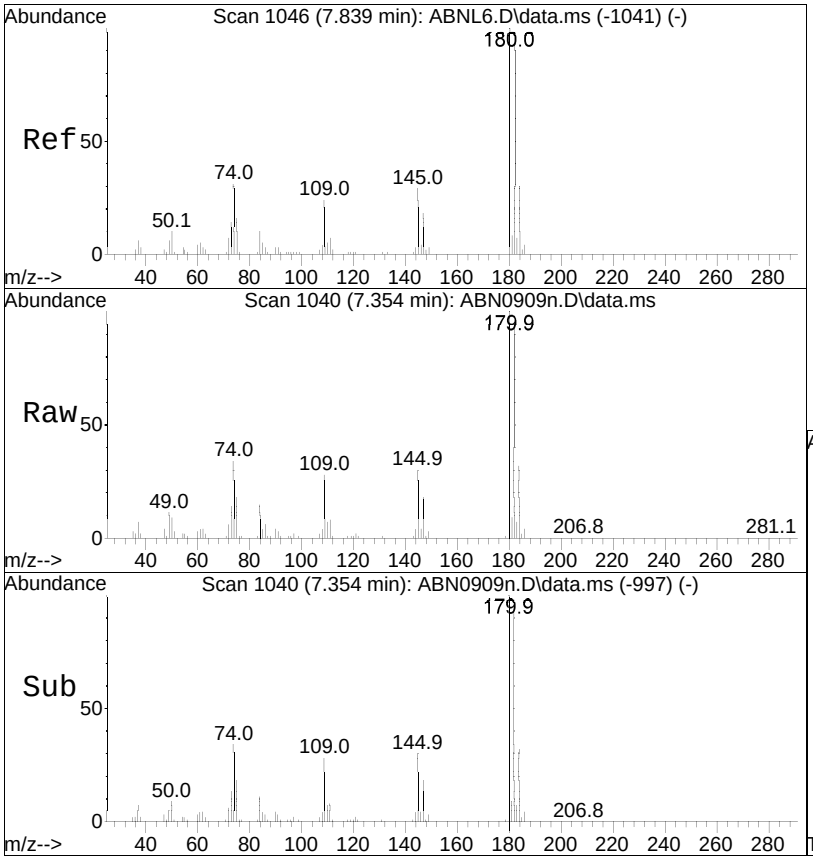


#25
2,4-Dichlorophenol
Concen: 4.70 ug/ml
RT: 7.284 min Scan# 1028
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:162 Resp: 42605

Ion	Ratio	Lower	Upper
162	100		
164	65.7	51.0	76.4
98	37.5	32.2	48.2

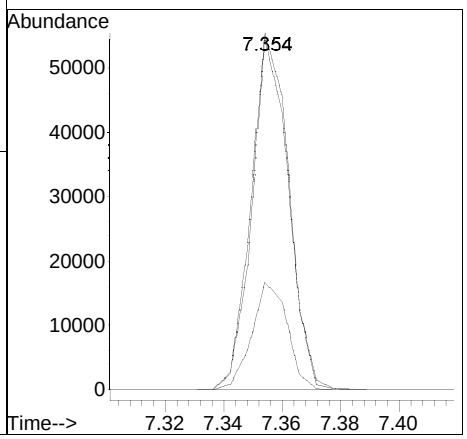


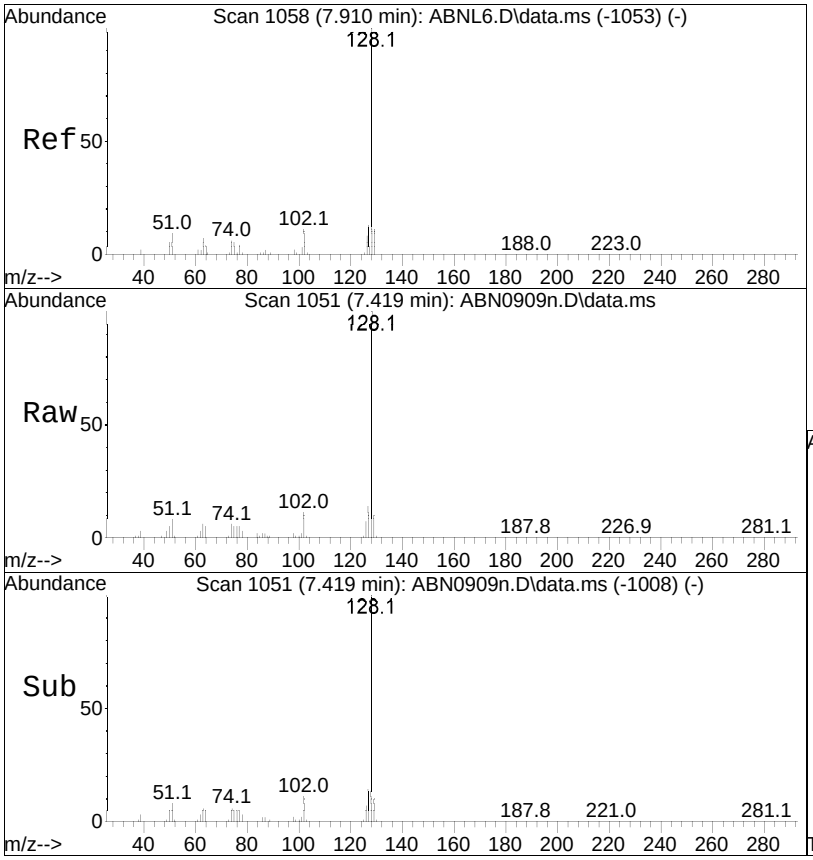


#26
1,2,4-Trichlorobenzene
Concen: 4.46 ug/ml
RT: 7.354 min Scan# 1040
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:180 Resp: 49503

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.0	114.0
145	28.4	25.7	38.5

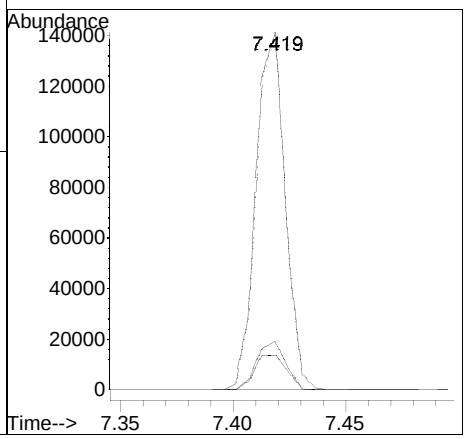


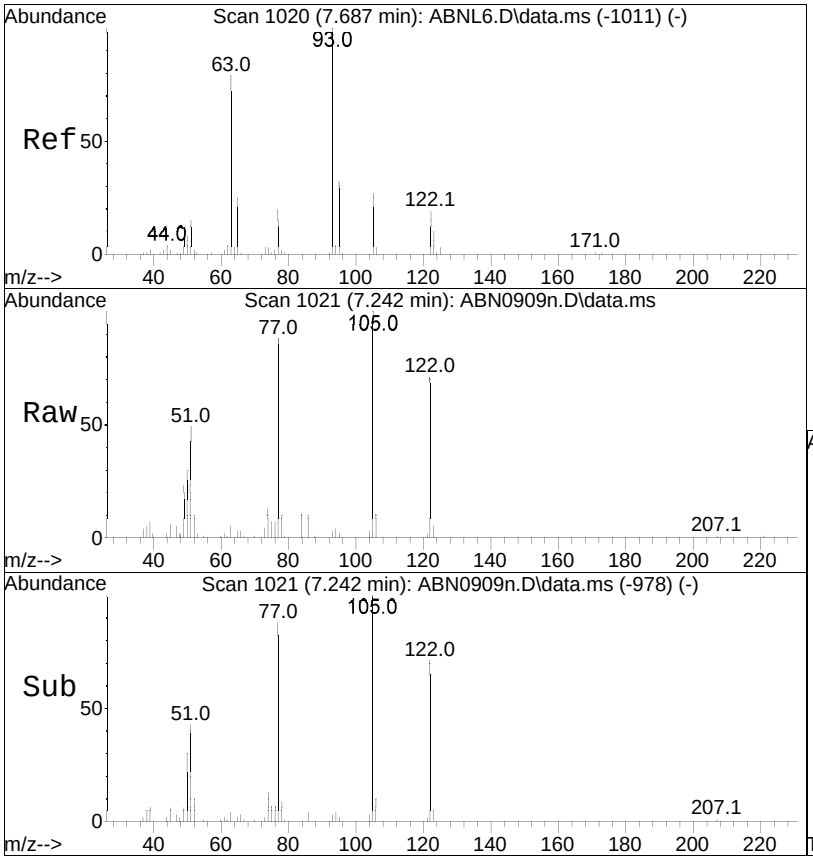


#36
Naphthalene
Concen: 4.25 ug/ml
RT: 7.419 min Scan# 1051
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:128 Resp: 125733

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.7	10.3	15.5

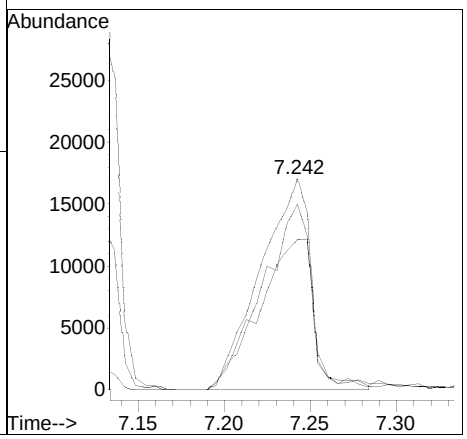


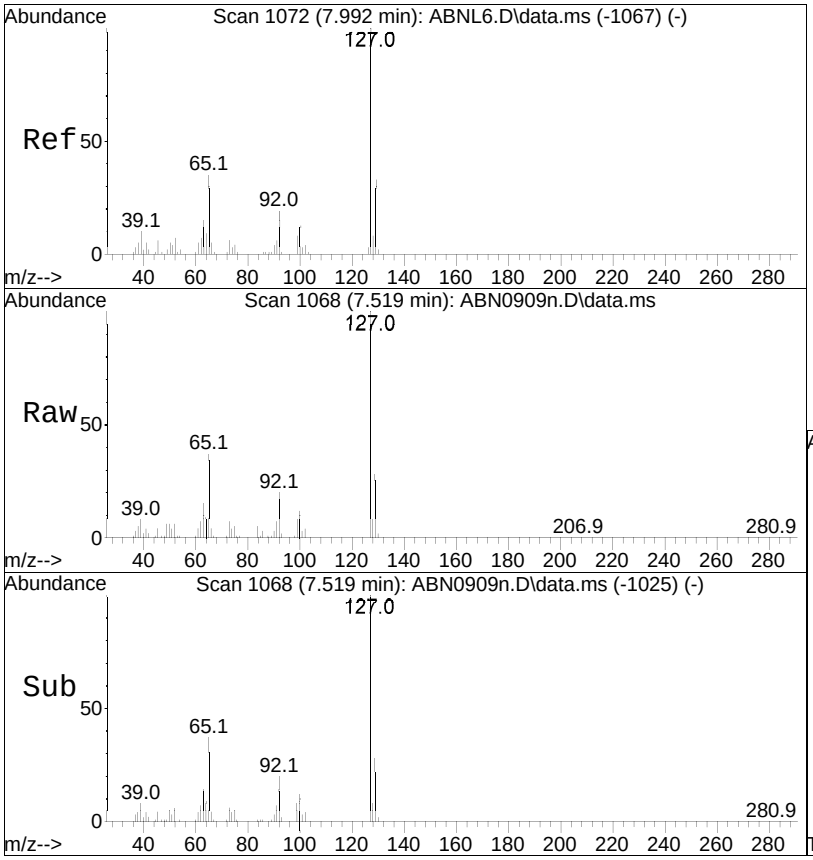


#37
Benzoic Acid
Concen: 4.92 ug/ml
RT: 7.242 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:105 Resp: 34984

Ion	Ratio	Lower	Upper
105	100		
122	76.9	59.9	89.9
77	84.0	60.1	90.1

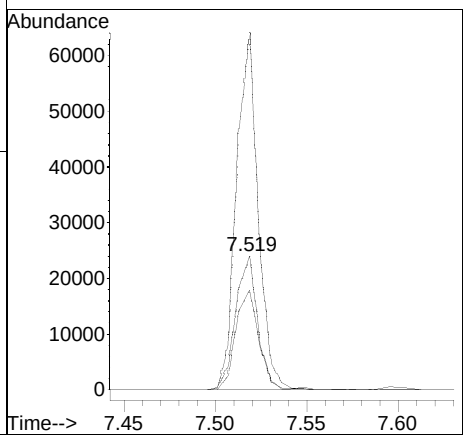


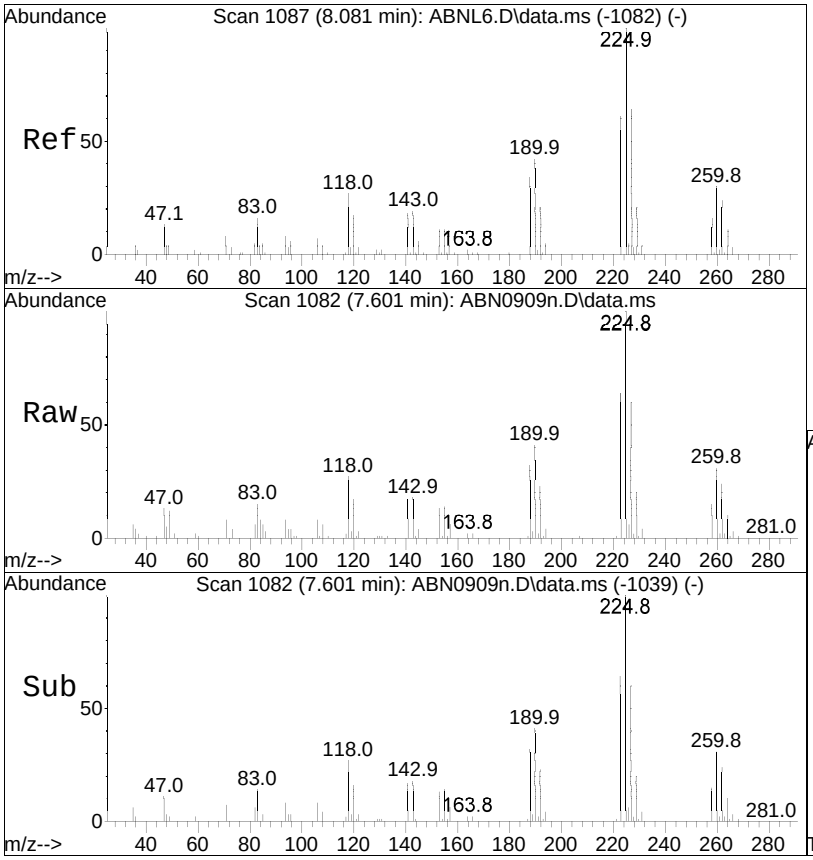


#38
4-Chloroaniline
Concen: 4.66 ug/ml
RT: 7.519 min Scan# 1068
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 65 Resp: 20333

Ion	Ratio	Lower	Upper
65	100		
127	257.7	237.6	356.4
129	77.2	76.3	114.5

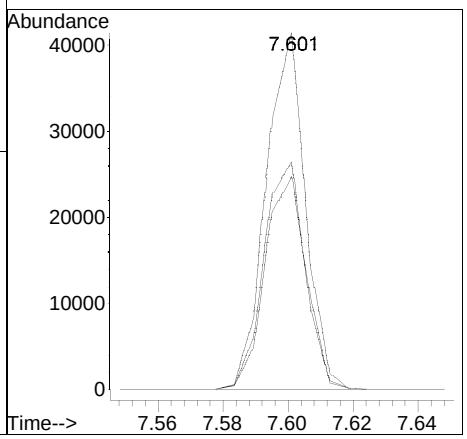


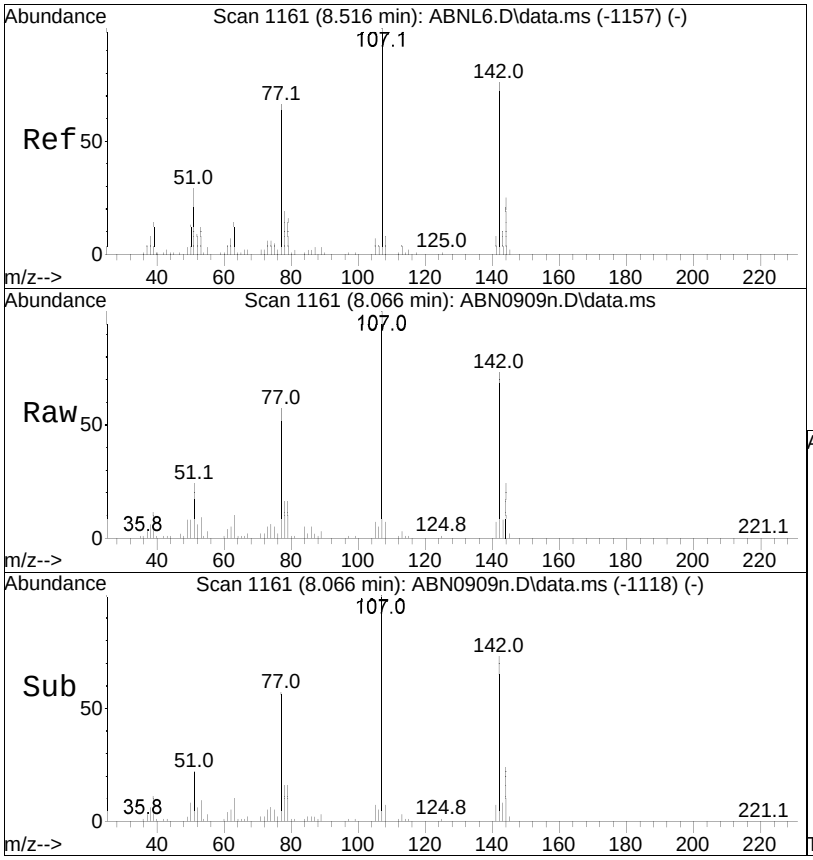


#39
Hexachlorobutadiene
Concen: 4.45 ug/ml
RT: 7.601 min Scan# 1082
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:225 Resp: 34685

Ion	Ratio	Lower	Upper
225	100		
223	67.0	50.3	75.5
227	63.0	52.2	78.2

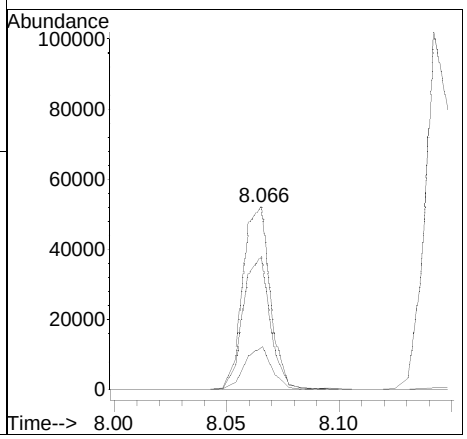


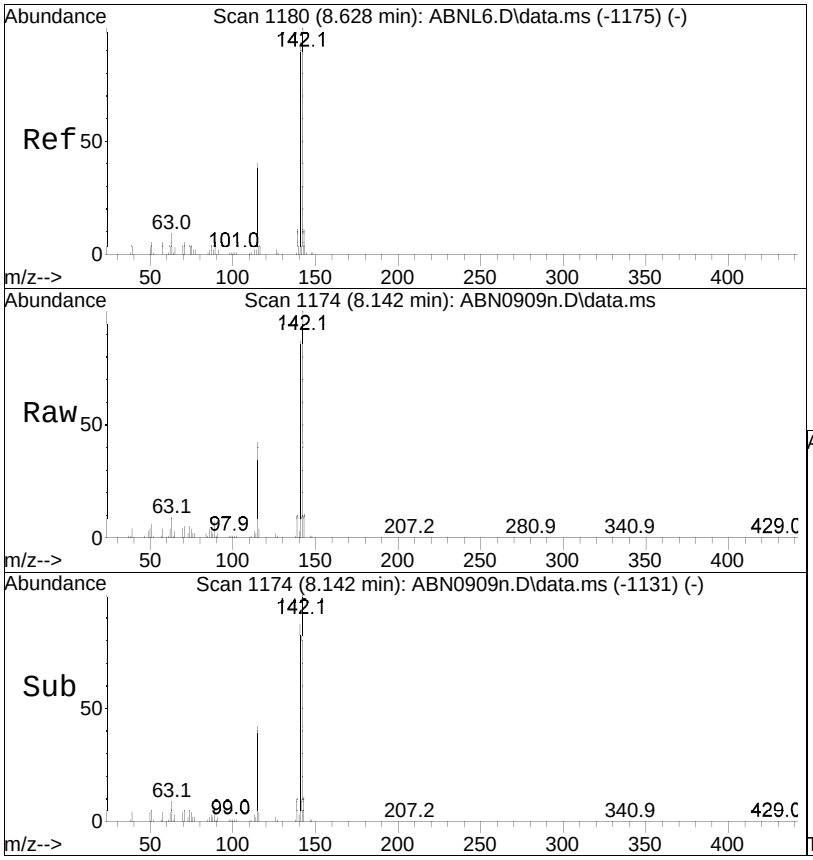


#40
p-Chloro-m-cresol
Concen: 5.01 ug/ml
RT: 8.066 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:107 Resp: 44247

Ion	Ratio	Lower	Upper
107	100		
144	23.2	20.9	31.3
142	72.0	66.1	99.1

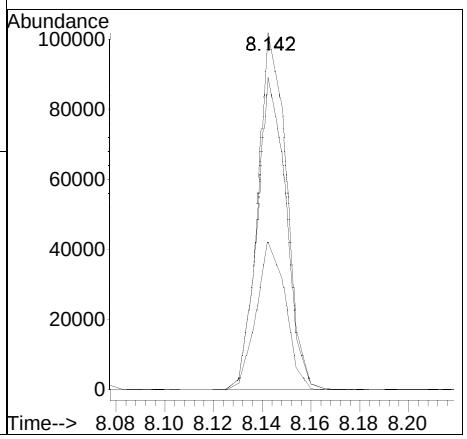


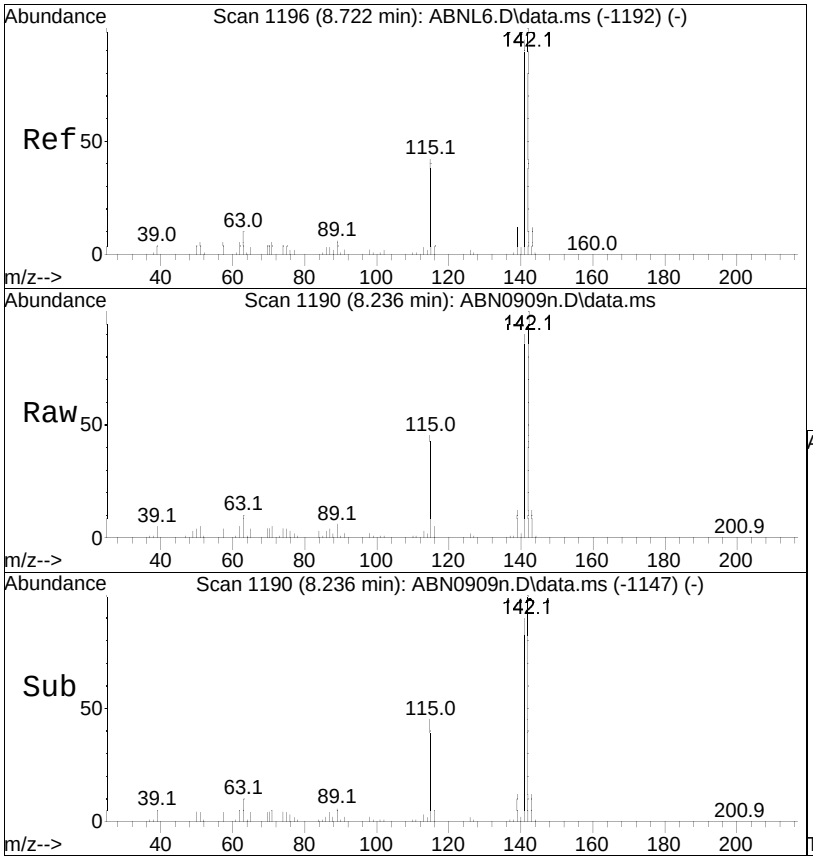


#41
2-Methylnaphthalene
Concen: 4.24 ug/ml
RT: 8.142 min Scan# 1174
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:142 Resp: 83626

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.6	104.4
115	42.4	26.6	40.0#

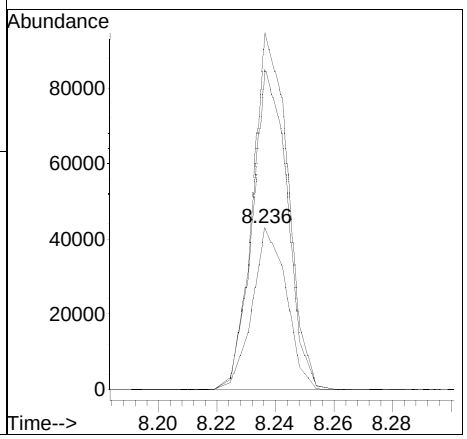


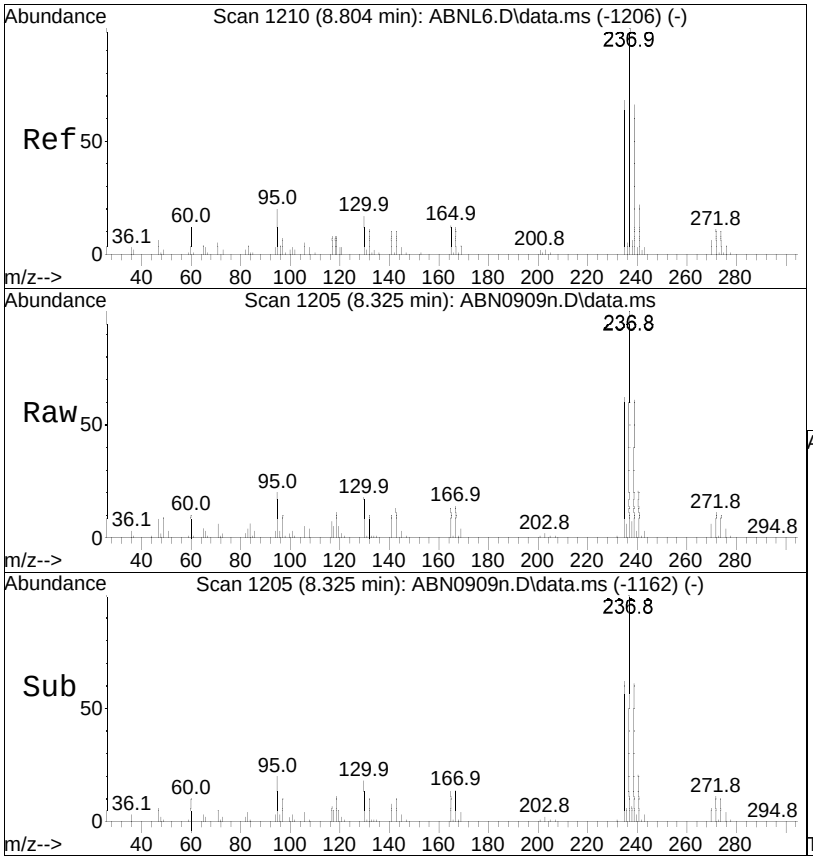


#42
1-Methylnaphthalene
Concen: 4.71 ug/ml M3
RT: 8.236 min Scan# 1190
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:115 Resp: 35214

Ion	Ratio	Lower	Upper
115	100		
141	210.2	207.8	311.6
142	237.5	226.8	340.2

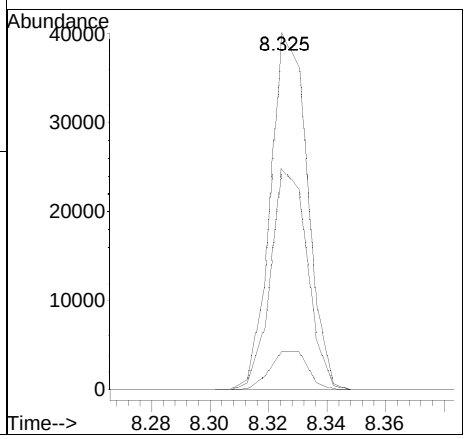


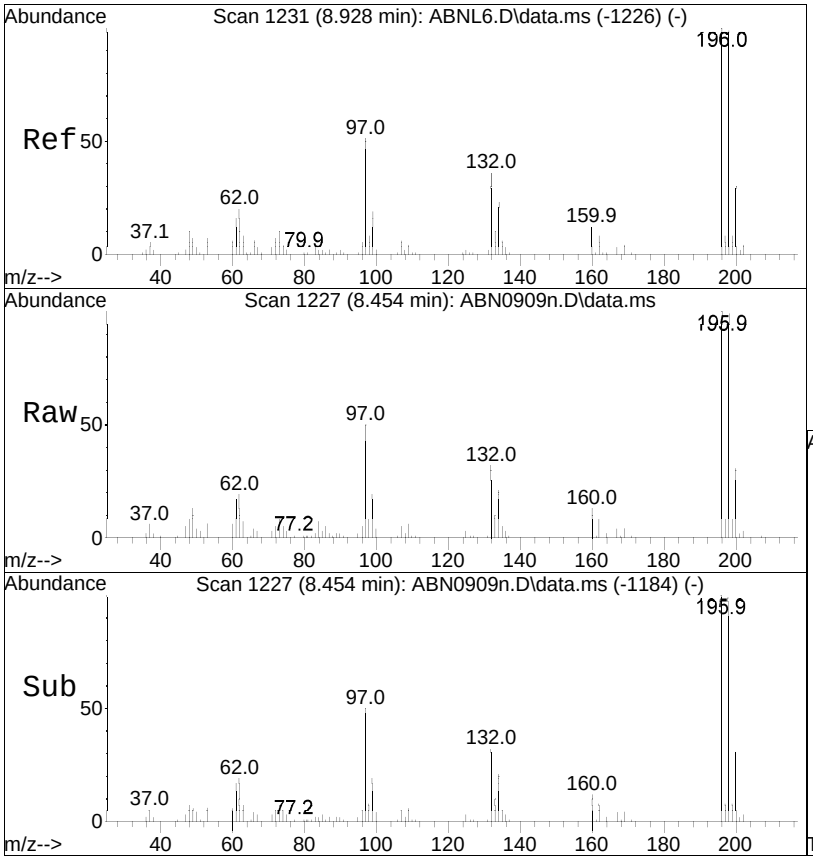


#43
Hexachlorocyclopentadiene
Concen: 4.07 ug/ml
RT: 8.325 min Scan# 1205
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:237 Resp: 35206

Ion	Ratio	Lower	Upper
237	100		
235	61.6	49.7	74.5
272	11.4	9.8	14.6

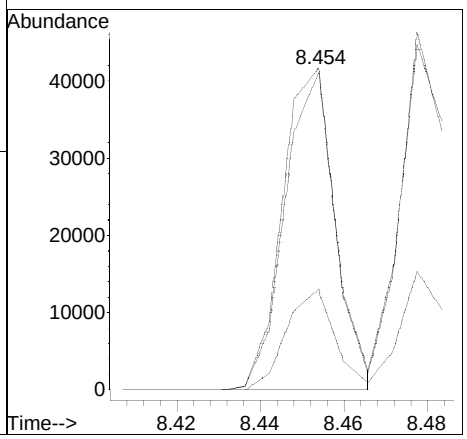


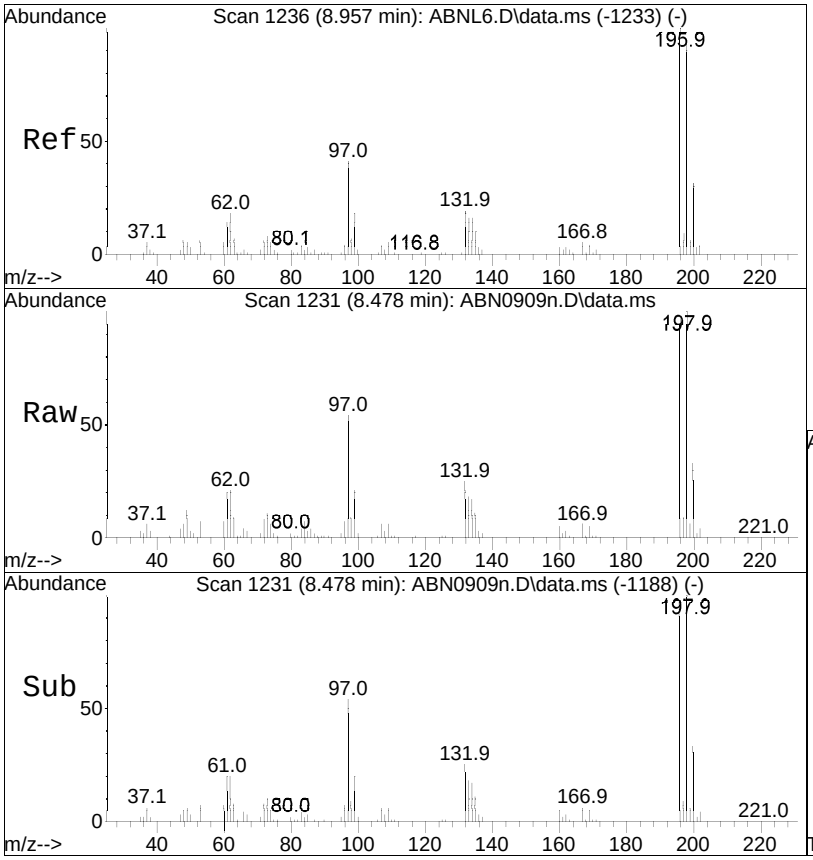


#44
2,4,6-Trichlorophenol
Concen: 4.72 ug/ml
RT: 8.454 min Scan# 1227
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:196 Resp: 36585

Ion	Ratio	Lower	Upper
196	100		
198	93.7	77.5	116.3
200	29.0	23.8	35.6

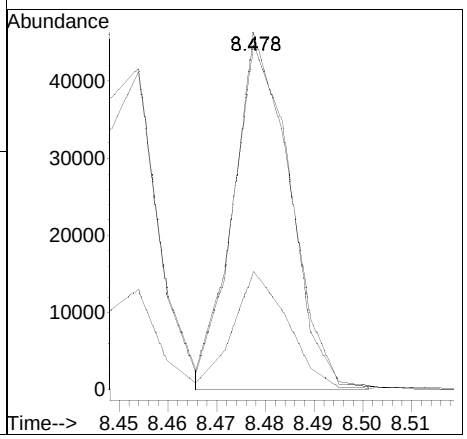


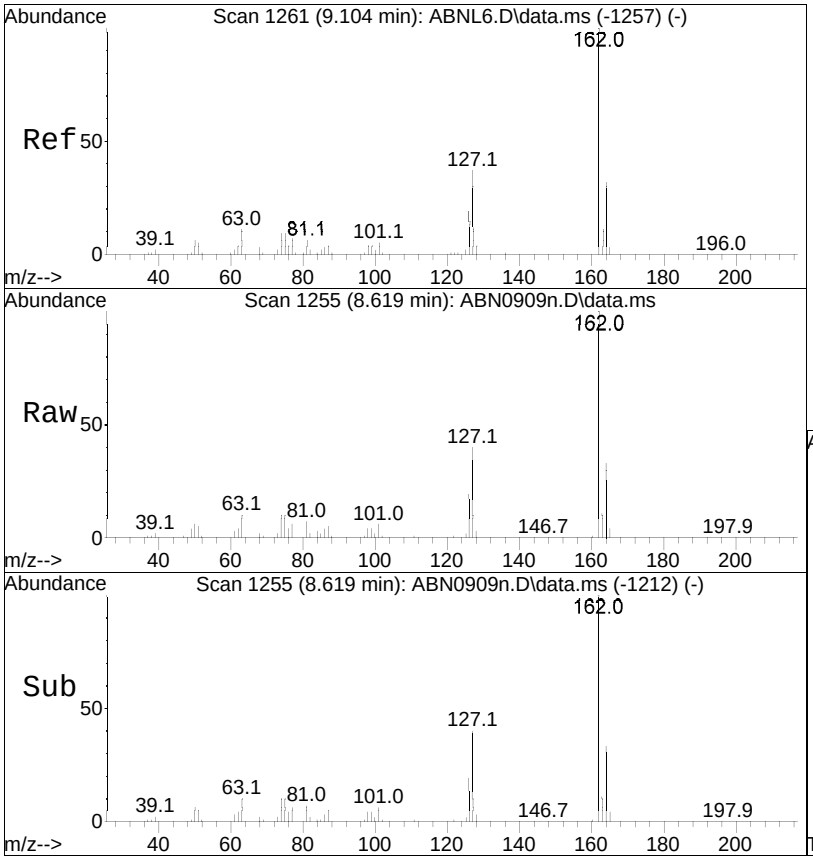


#45
2,4,5-Trichlorophenol
Concen: 4.41 ug/ml M3
RT: 8.478 min Scan# 1231
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:196 Resp: 36604

Ion	Ratio	Lower	Upper
196	100		
200	33.2	25.4	38.0
198	100.8	78.0	117.0

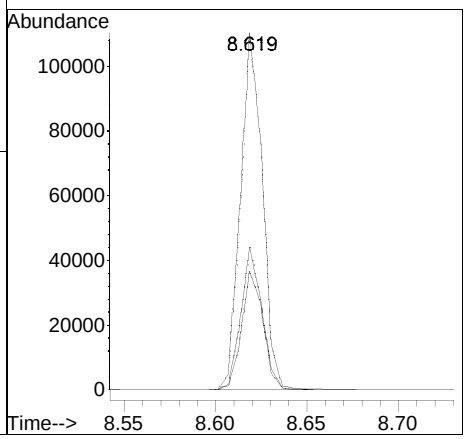


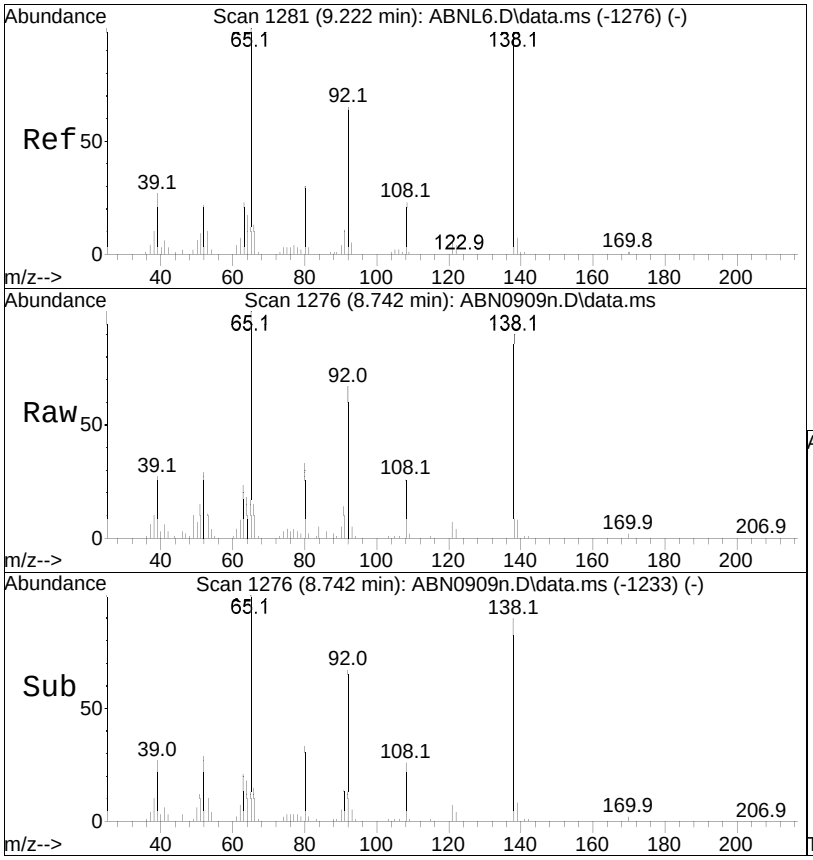


#47
2-Chloronaphthalene
Concen: 4.32 ug/ml
RT: 8.619 min Scan# 1255
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:162 Resp: 90486

Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.4
164	32.7	25.7	38.5

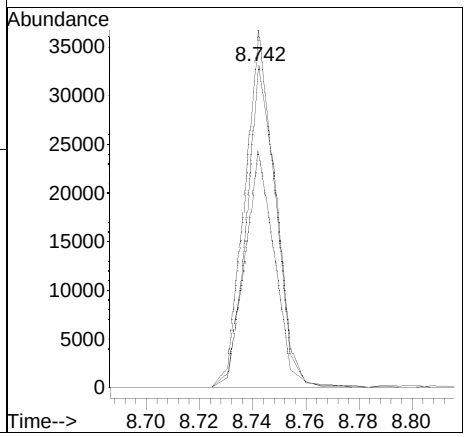


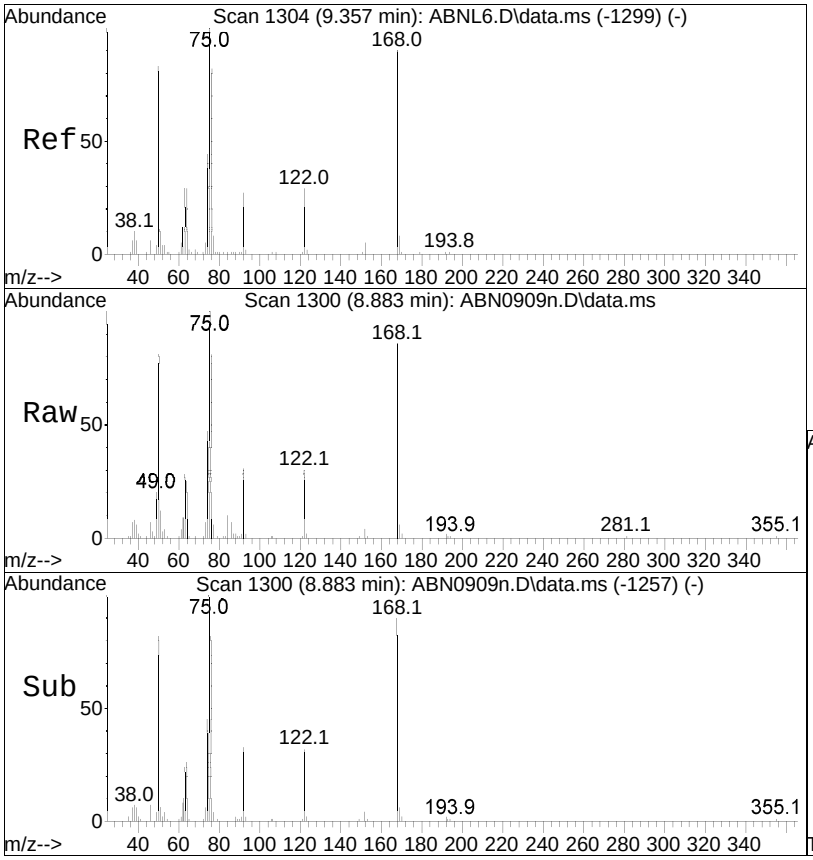


#48
2-Nitroaniline
Concen: 4.10 ug/ml
RT: 8.742 min Scan# 1276
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:138 Resp: 25883

Ion	Ratio	Lower	Upper
138	100		
92	73.2	53.5	80.3
65	111.1	86.3	129.5

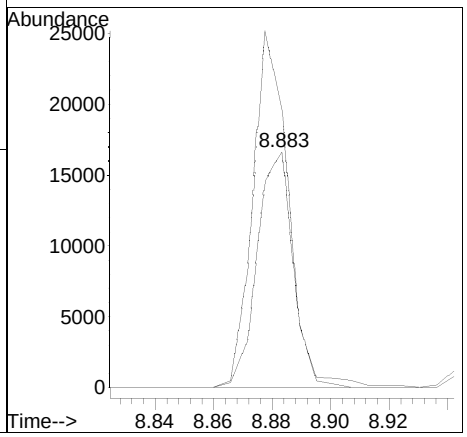


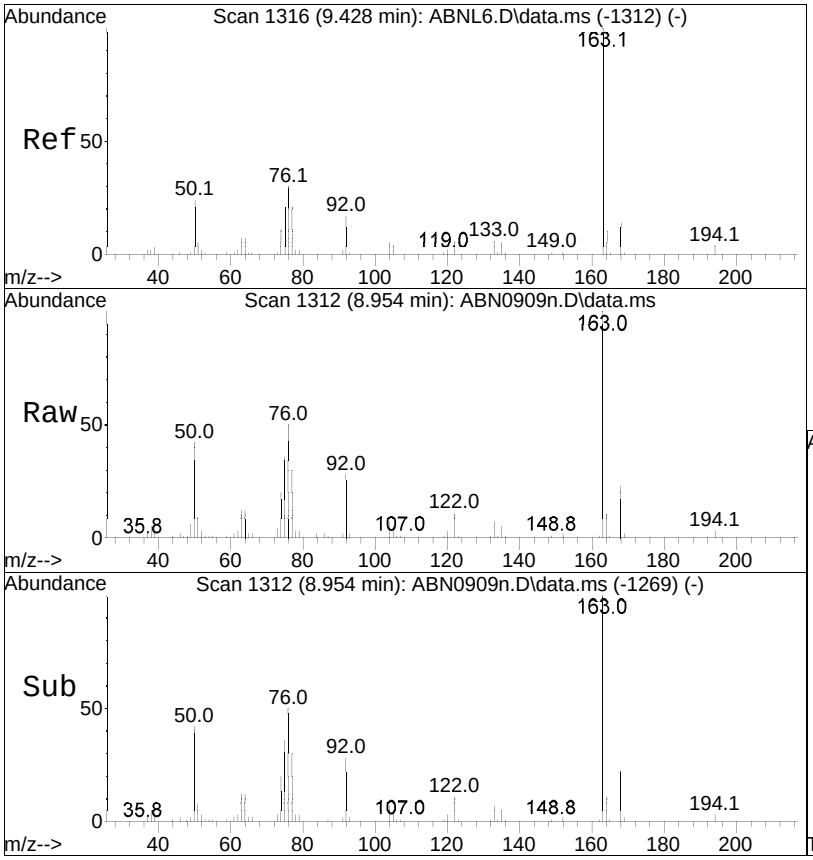


#49
1,4-Dinitrobenzene
Concen: 4.26 ug/ml
RT: 8.883 min Scan# 1300
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:168 Resp: 14161

Ion	Ratio	Lower	Upper
168	100		
75	149.4	121.8	182.8

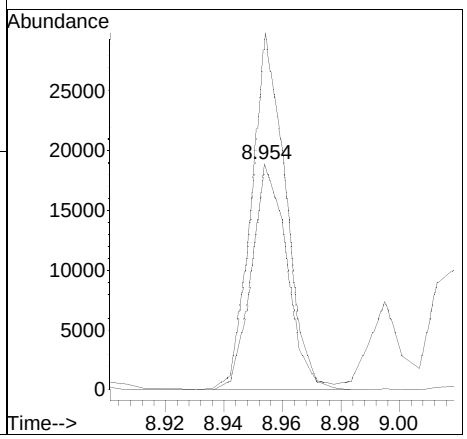


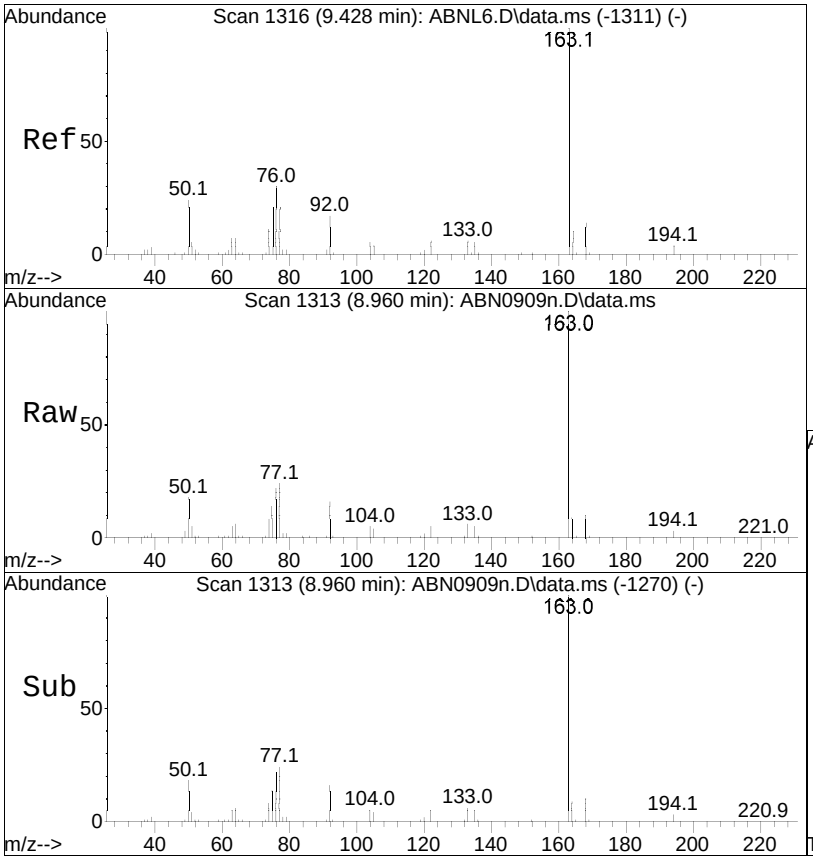


#50
1,3-Dinitrobenzene
Concen: 4.20 ug/ml
RT: 8.954 min Scan# 1312
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:168 Resp: 15904

Ion	Ratio	Lower	Upper
168	100		
75	152.7	22.7	34.1#

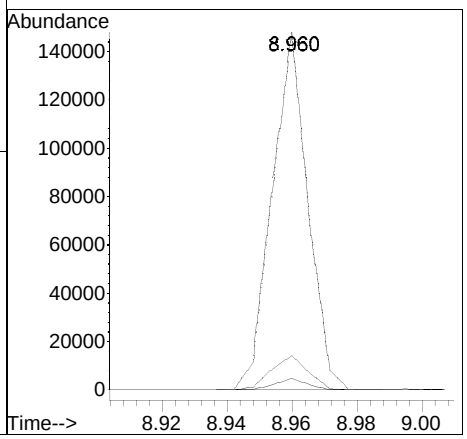


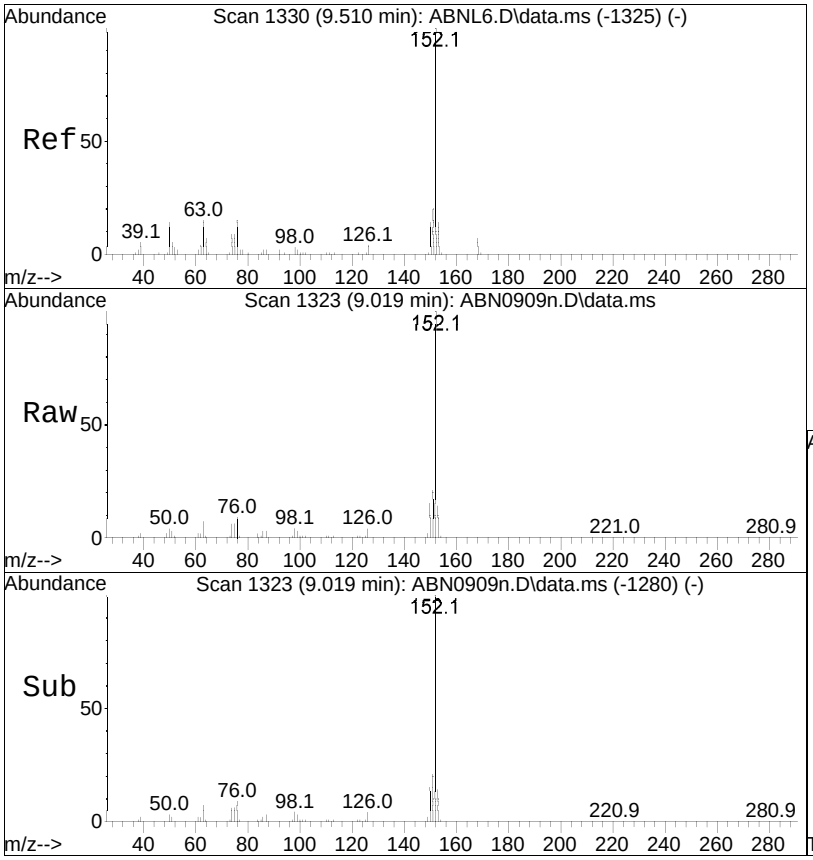


#51
Dimethyl phthalate
Concen: 4.38 ug/ml
RT: 8.960 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:163 Resp: 111684

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.5	5.3#
164	9.9	7.9	11.9

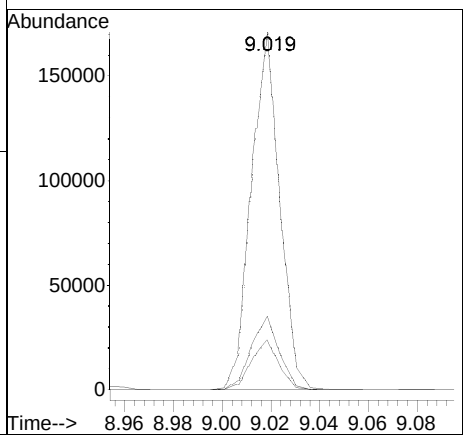


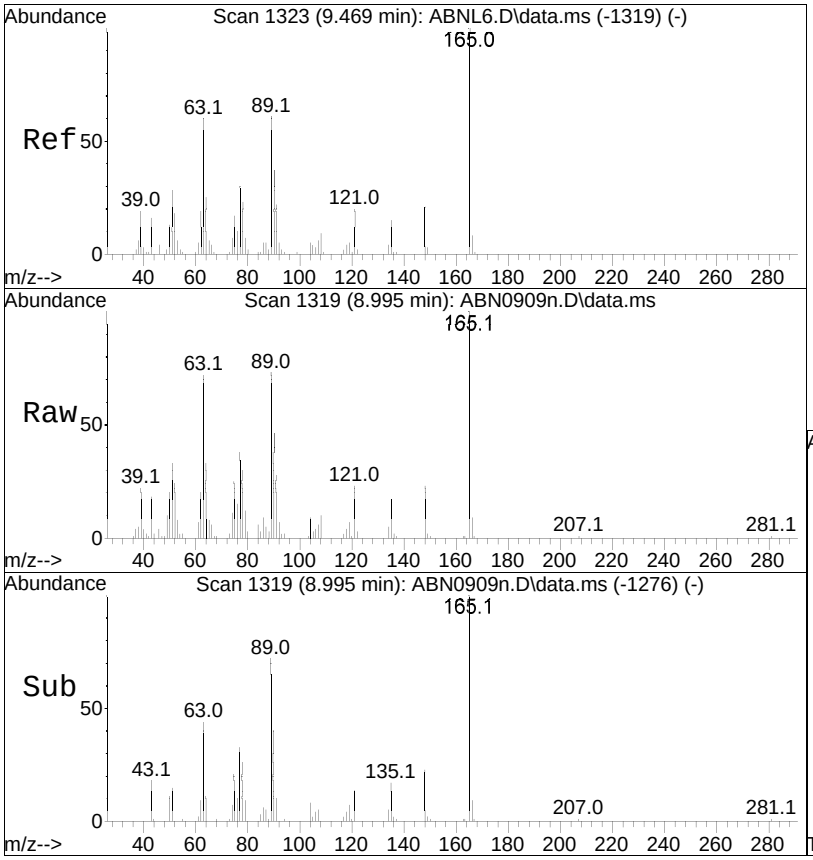


#52
Acenaphthylene
Concen: 4.27 ug/ml
RT: 9.019 min Scan# 1323
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:152 Resp: 137032

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.7	10.5	15.7

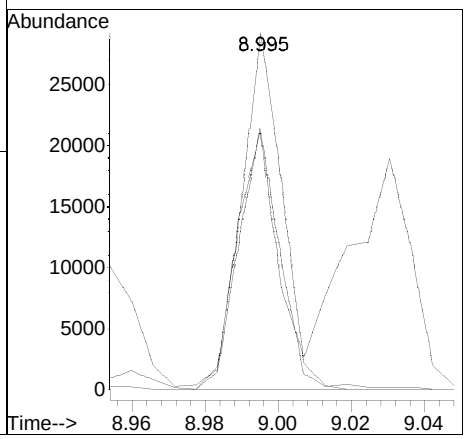


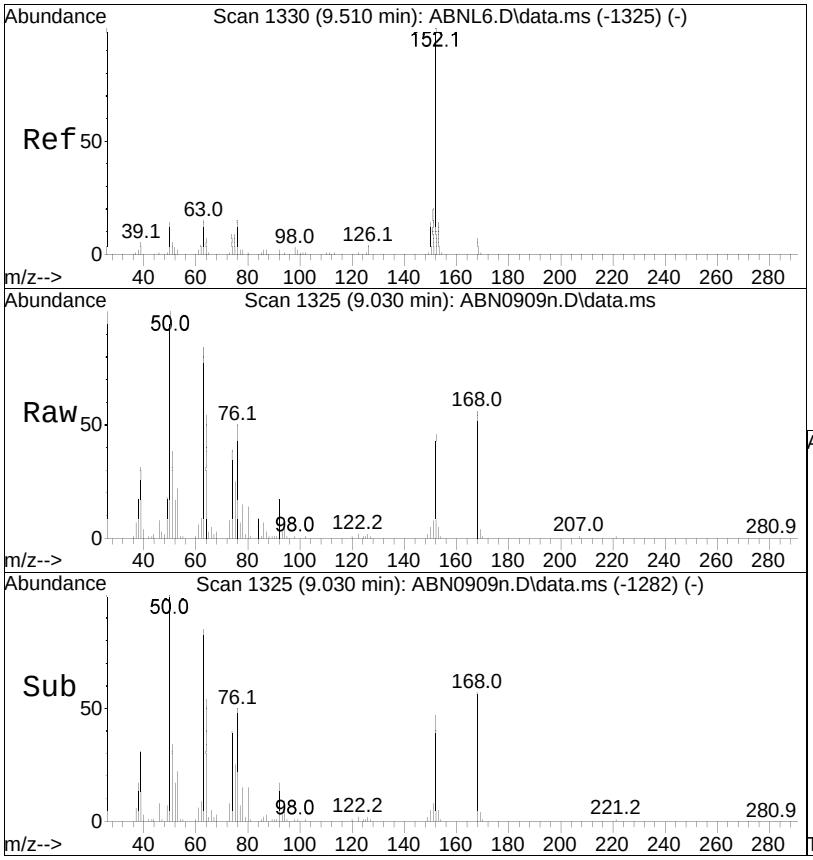


#53
2,6-Dinitrotoluene
Concen: 4.11 ug/ml
RT: 8.995 min Scan# 1319
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:165 Resp: 22546

Ion	Ratio	Lower	Upper
165	100		
89	74.8	54.2	81.2
63	74.9	64.2	96.2

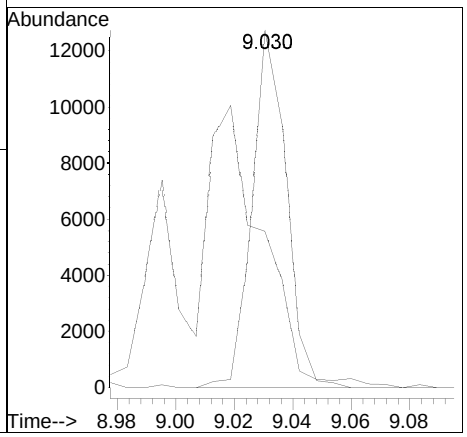


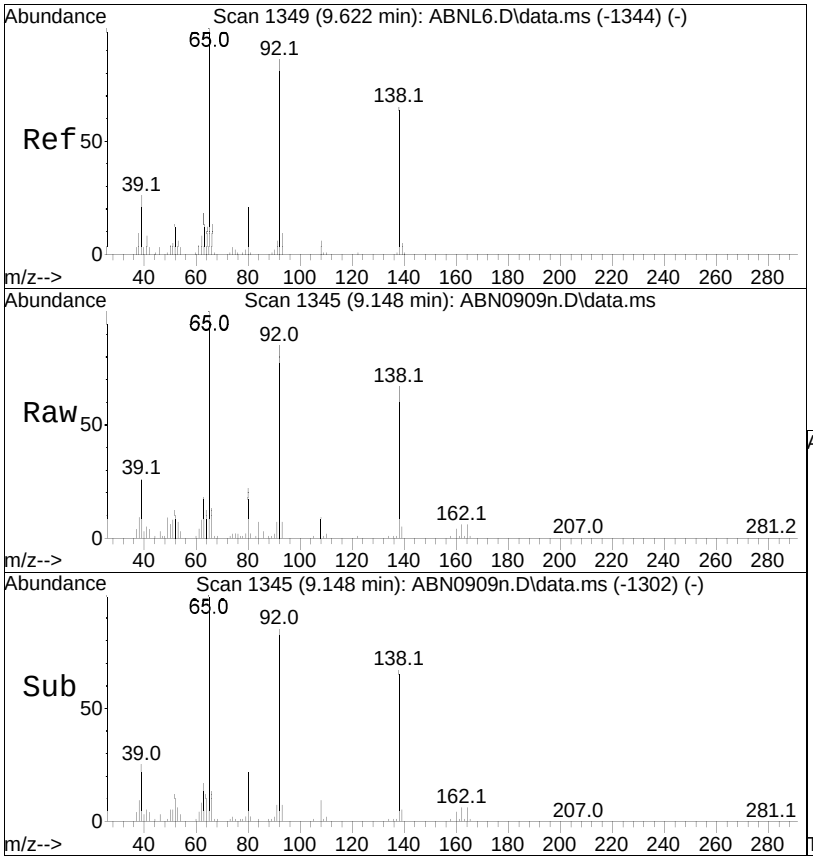


#54
1,2-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 9.030 min Scan# 1325
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:168 Resp: 10373

Ion	Ratio	Lower	Upper
168	100		
75	122.5	30.9	46.3#

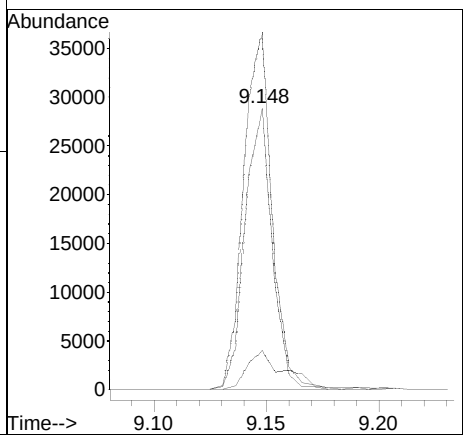


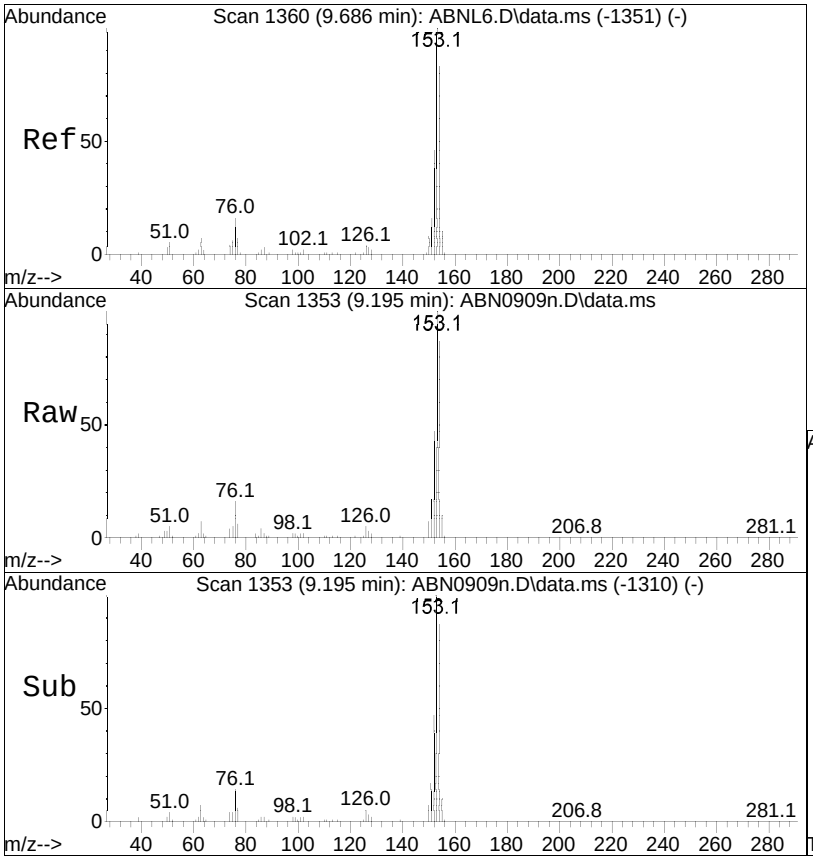


#64
3-Nitroaniline
Concen: 4.45 ug/ml
RT: 9.148 min Scan# 1345
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:138 Resp: 24033

Ion	Ratio	Lower	Upper
138	100		
92	131.8	93.4	140.2
108	18.7	9.5	14.3#

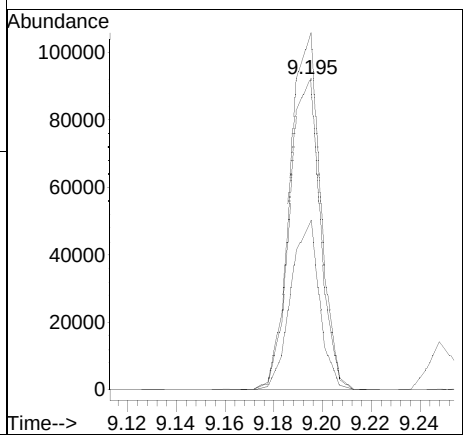


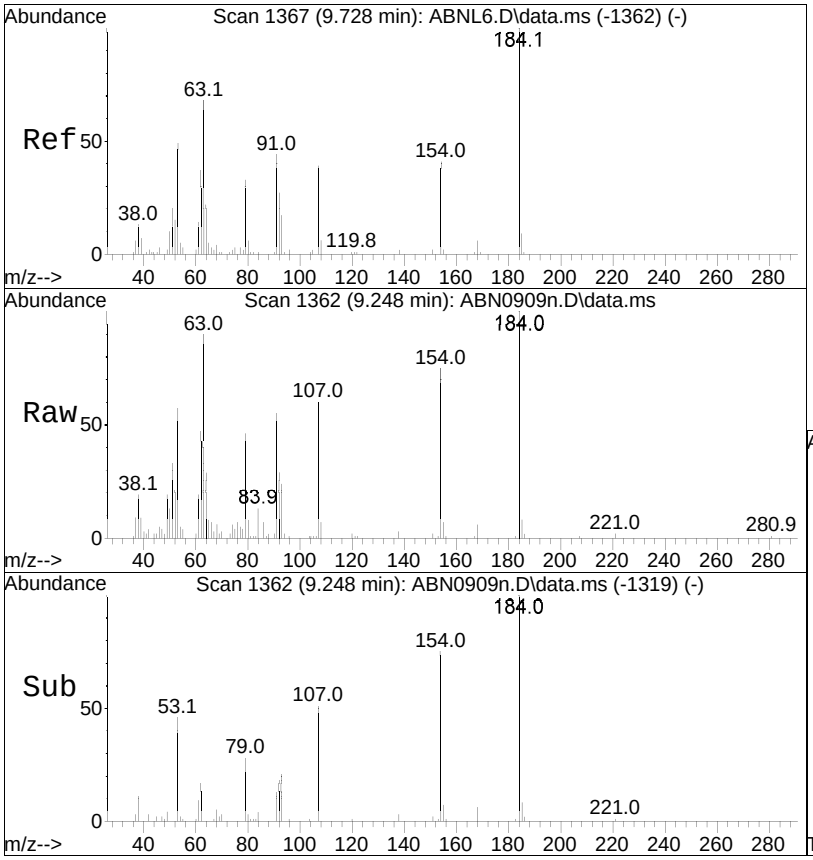


#65
Acenaphthene
Concen: 4.13 ug/ml
RT: 9.195 min Scan# 1353
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:154 Resp: 80560

Ion	Ratio	Lower	Upper
154	100		
153	114.3	85.3	127.9
152	51.3	41.4	62.0

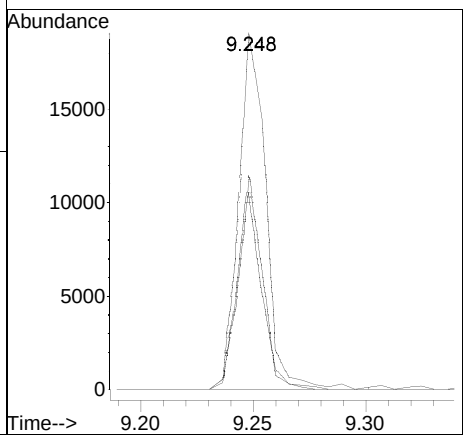


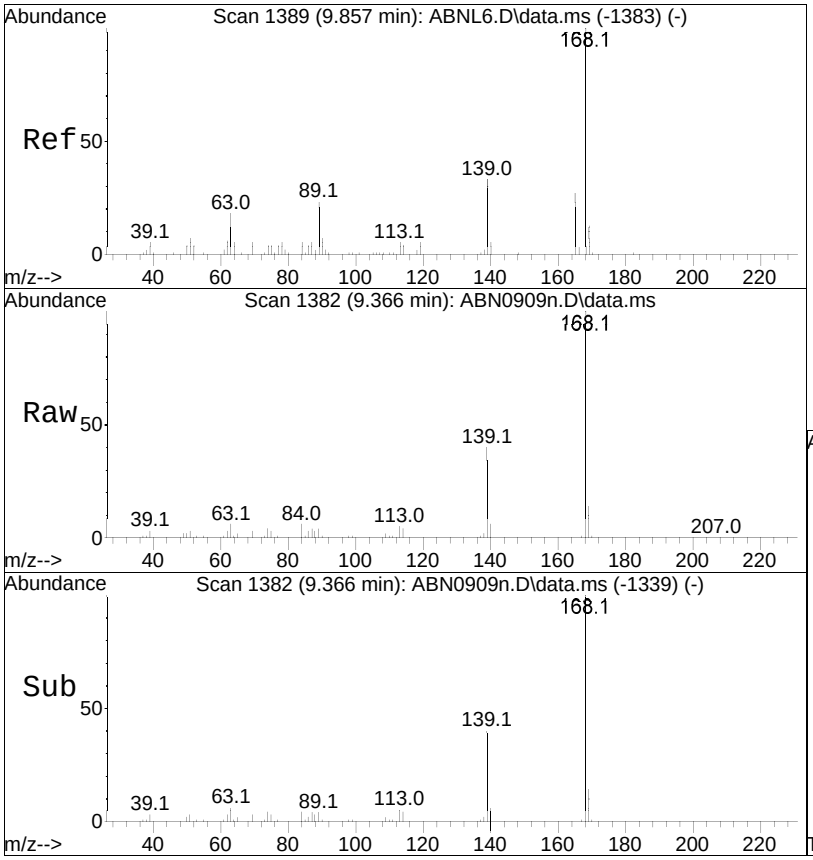


#66
2,4-Dinitrophenol
Concen: 4.40 ug/ml
RT: 9.248 min Scan# 1362
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:184 Resp: 15868

Ion	Ratio	Lower	Upper
184	100		
107	53.8	37.7	56.5
91	49.5	46.3	69.5

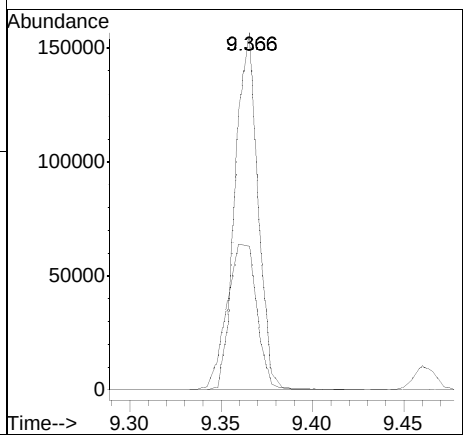


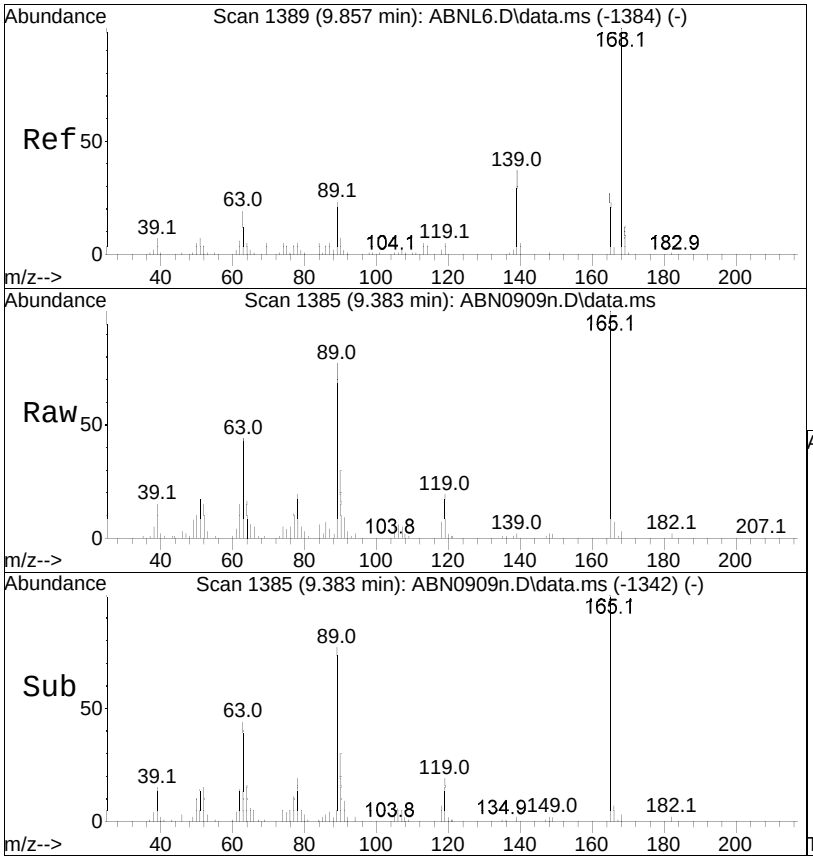


#67
Dibenzofuran
Concen: 4.09 ug/ml
RT: 9.366 min Scan# 1382
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:168 Resp: 133909

Ion	Ratio	Lower	Upper
168	100		
139	54.2	31.4	47.2#

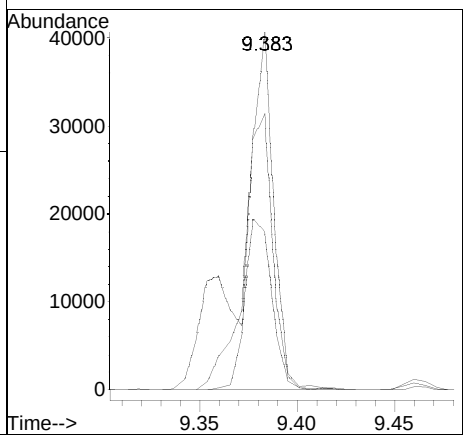


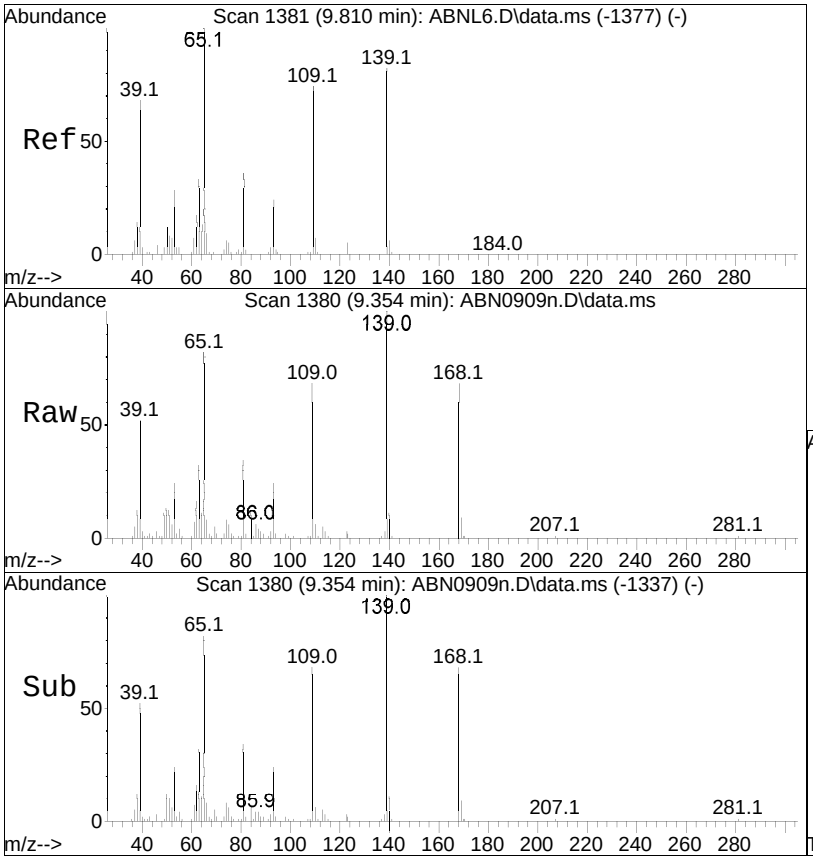


#68
2,4-Dinitrotoluene
Concen: 4.18 ug/ml
RT: 9.383 min Scan# 1385
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:165 Resp: 33522

Ion	Ratio	Lower	Upper
165	100		
89	96.2	72.0	108.0
63	47.4	52.7	79.1#

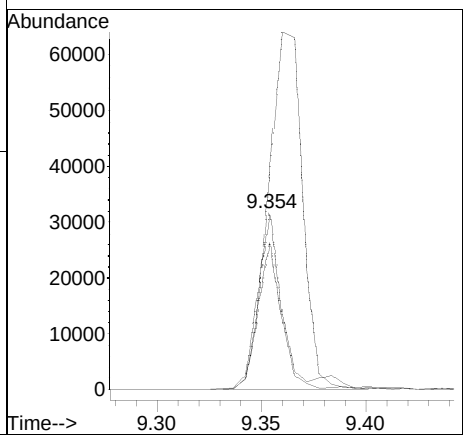


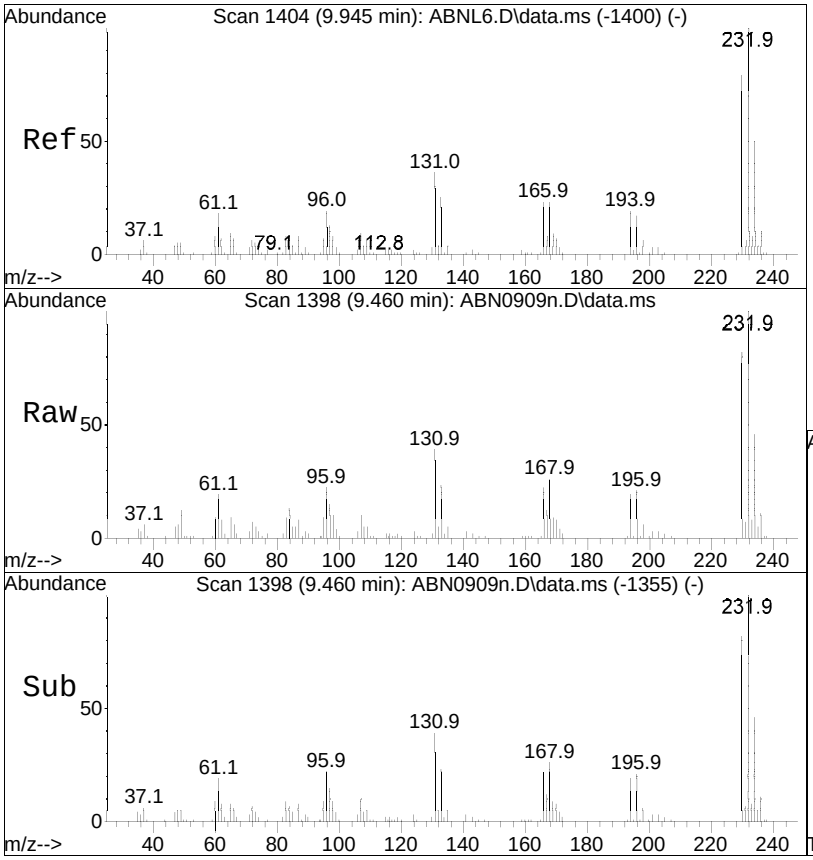


#69
4-Nitrophenol
Concen: 4.86 ug/ml
RT: 9.354 min Scan# 1380
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 65 Resp: 26561

Ion	Ratio	Lower	Upper
65	100		
109	77.6	47.4	71.2#
139	273.2	76.6	115.0#

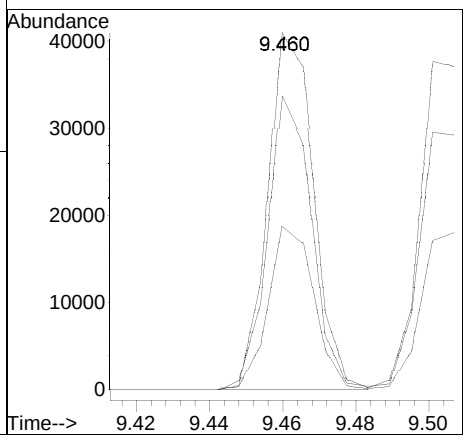


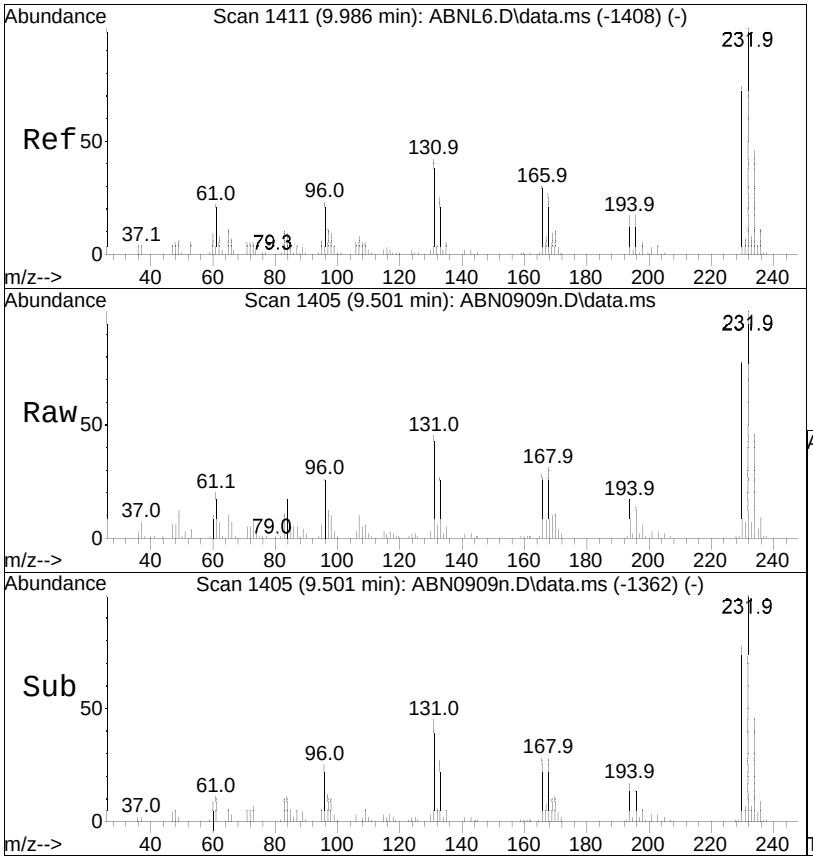


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.68 ug/ml
RT: 9.460 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:232 Resp: 35748

Ion	Ratio	Lower	Upper
232	100		
230	79.5	64.2	96.4
234	45.8	38.1	57.1

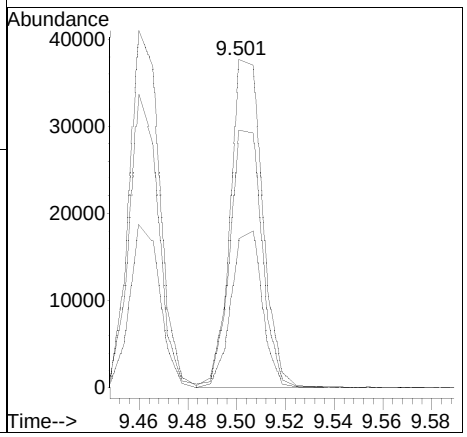


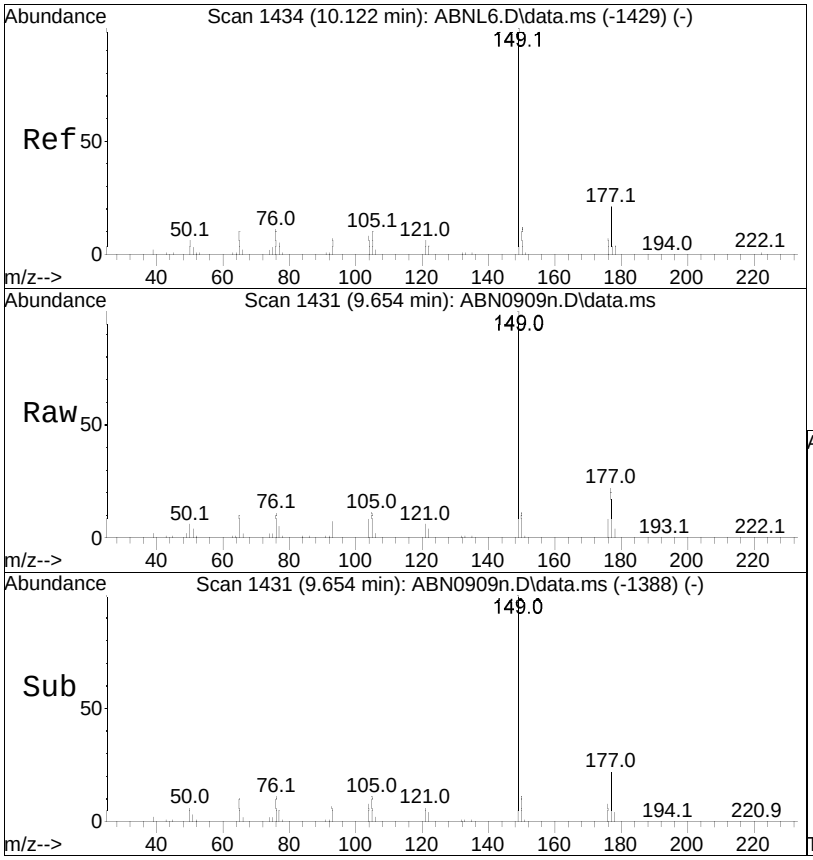


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.75 ug/ml
RT: 9.501 min Scan# 1405
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:232 Resp: 34906

Ion	Ratio	Lower	Upper
232	100		
230	78.4	61.8	92.8
234	46.3	36.2	54.2

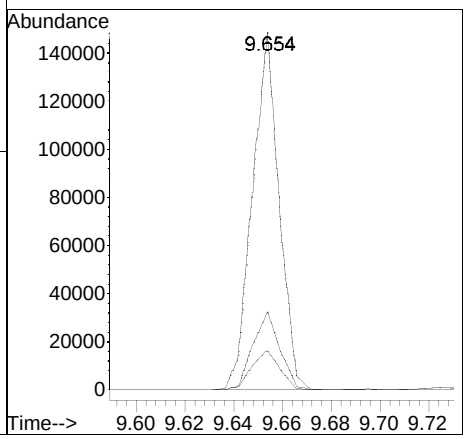


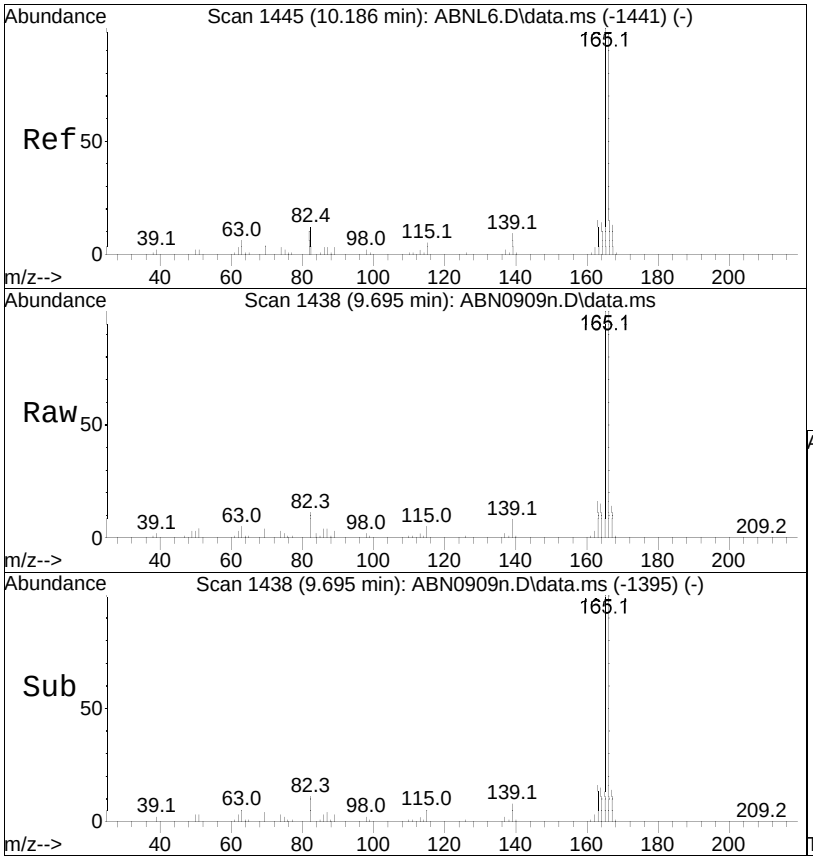


#72
Diethyl phthalate
Concen: 4.31 ug/ml
RT: 9.654 min Scan# 1431
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:149 Resp: 111425

Ion	Ratio	Lower	Upper
149	100		
177	22.2	16.1	24.1
150	11.7	9.4	14.2

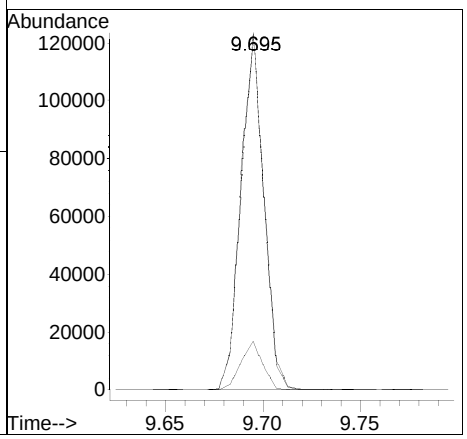


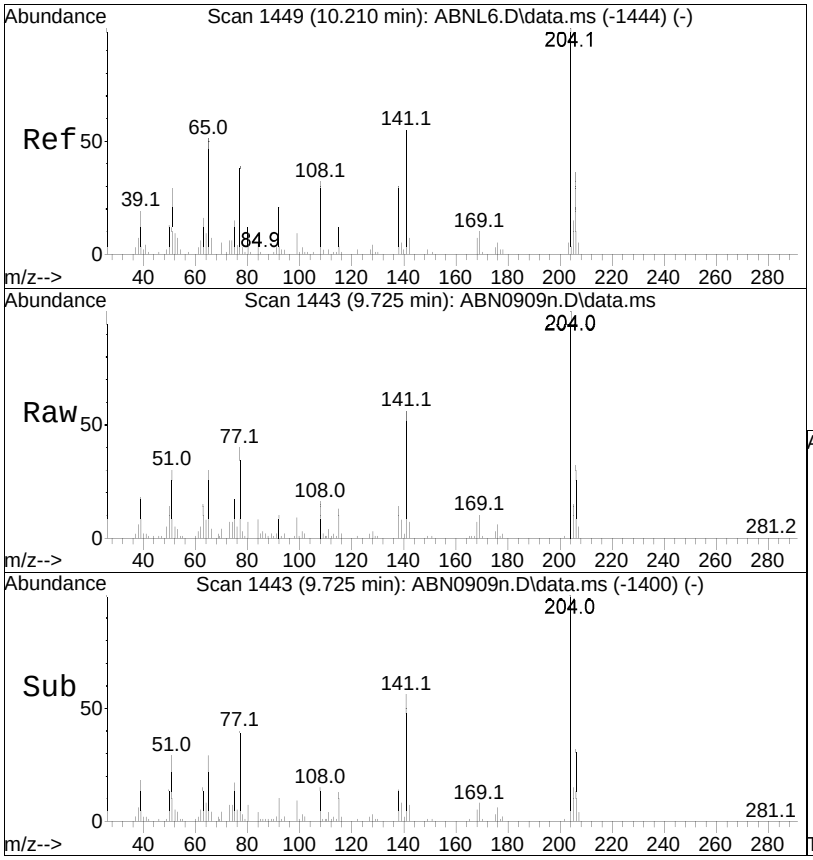


#73
Fluorene
Concen: 3.97 ug/ml
RT: 9.695 min Scan# 1438
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:166 Resp: 102102

Ion	Ratio	Lower	Upper
166	100		
165	97.3	76.2	114.2
167	13.0	10.6	15.8

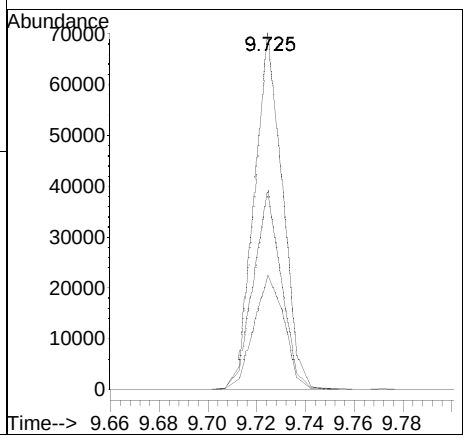


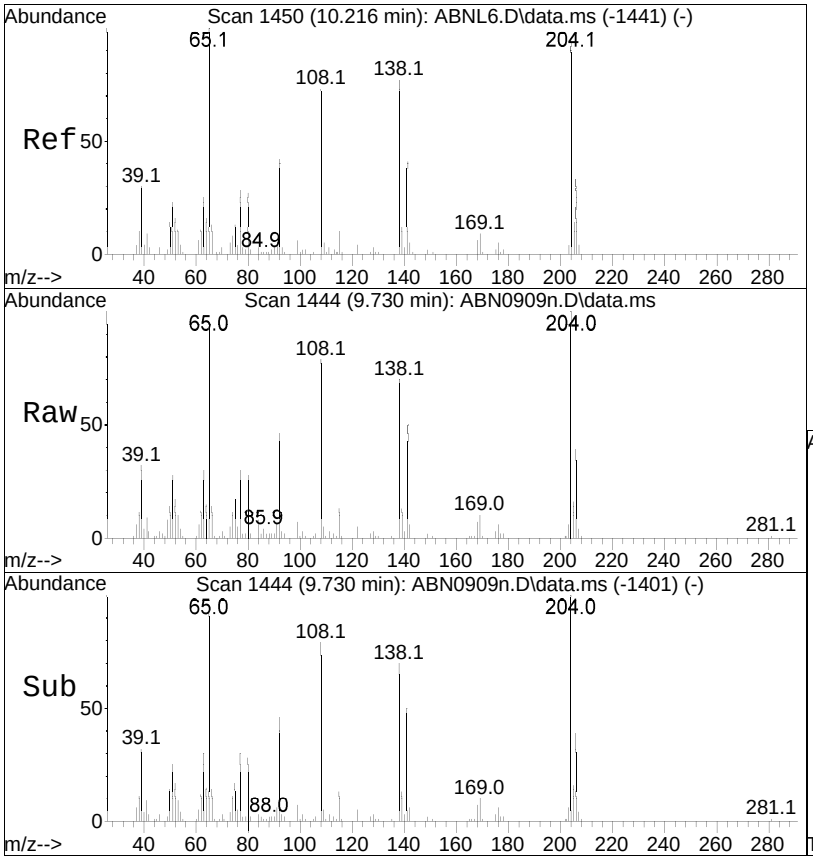


#74
4-Chlorophenyl phenyl ether
Concen: 4.13 ug/ml
RT: 9.725 min Scan# 1443
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:204 Resp: 55902

Ion	Ratio	Lower	Upper
204	100		
206	34.7	25.8	38.6
141	55.9	53.6	80.4

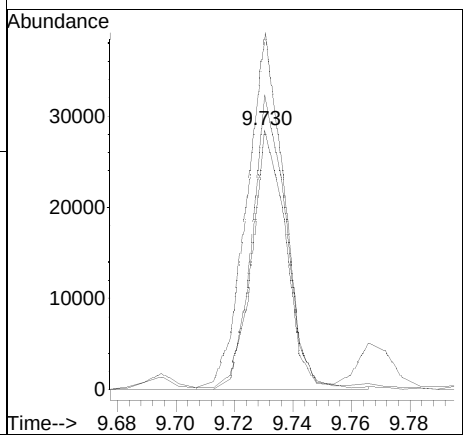


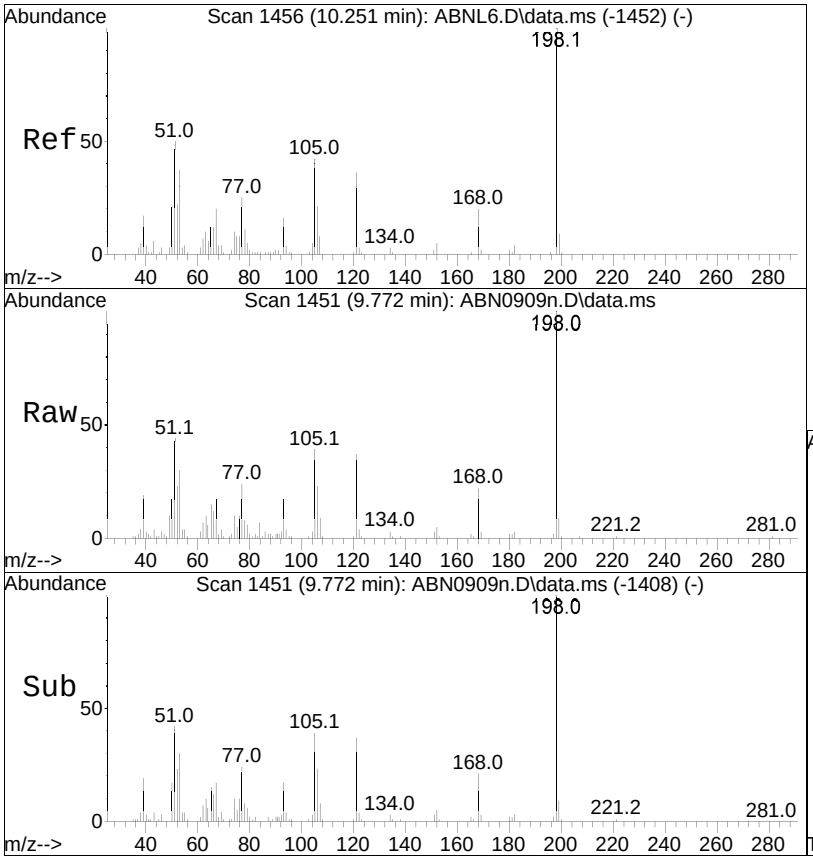


#75
4-Nitroaniline
Concen: 4.12 ug/ml M3
RT: 9.730 min Scan# 1444
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:138 Resp: 23134

Ion	Ratio	Lower	Upper
138	100		
108	114.1	52.1	78.1#
65	148.9	115.0	172.6

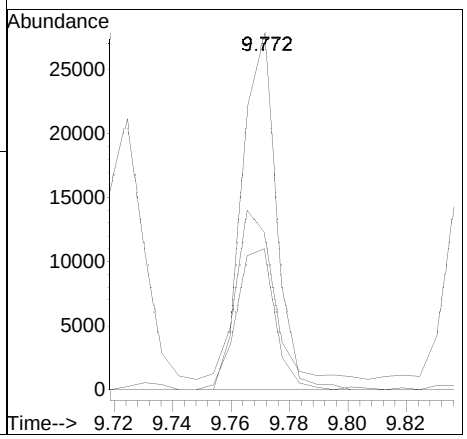


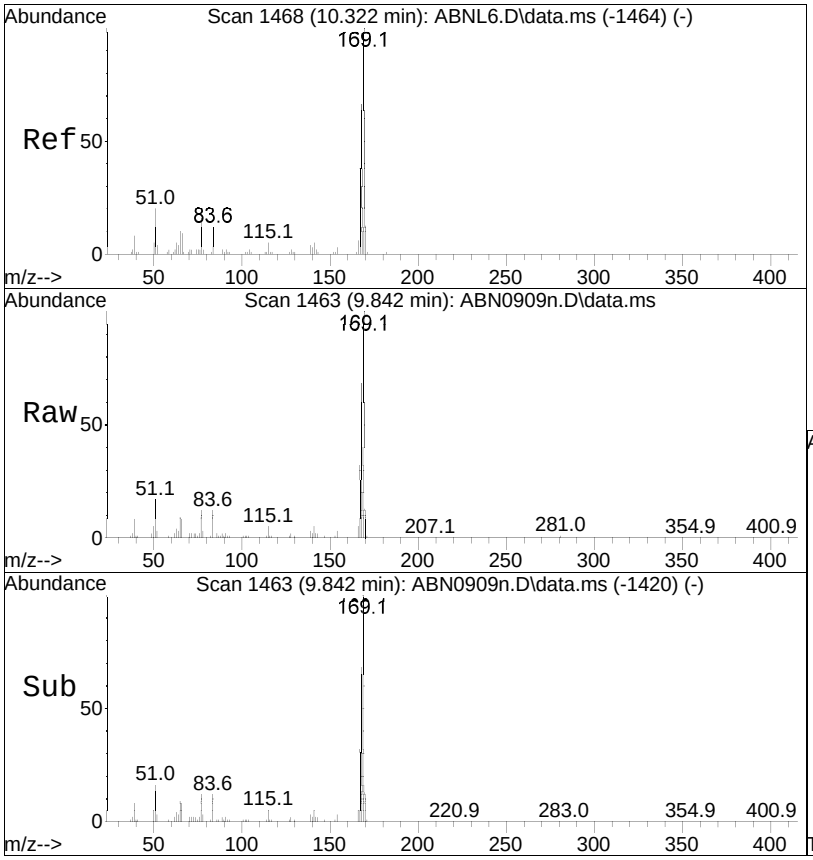


#76
4,6-Dinitro-o-cresol
Concen: 5.04 ug/ml
RT: 9.772 min Scan# 1451
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:198 Resp: 22659

Ion	Ratio	Lower	Upper
198	100		
51	52.2	76.0	114.0#
105	44.4	45.6	68.4#

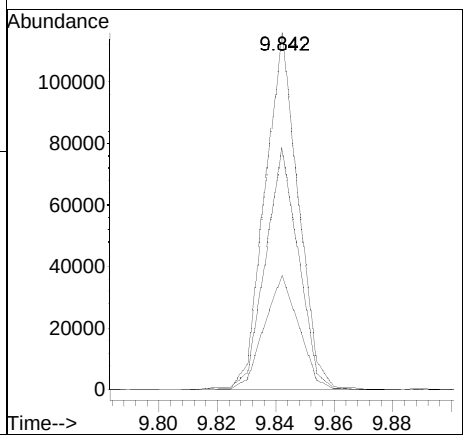


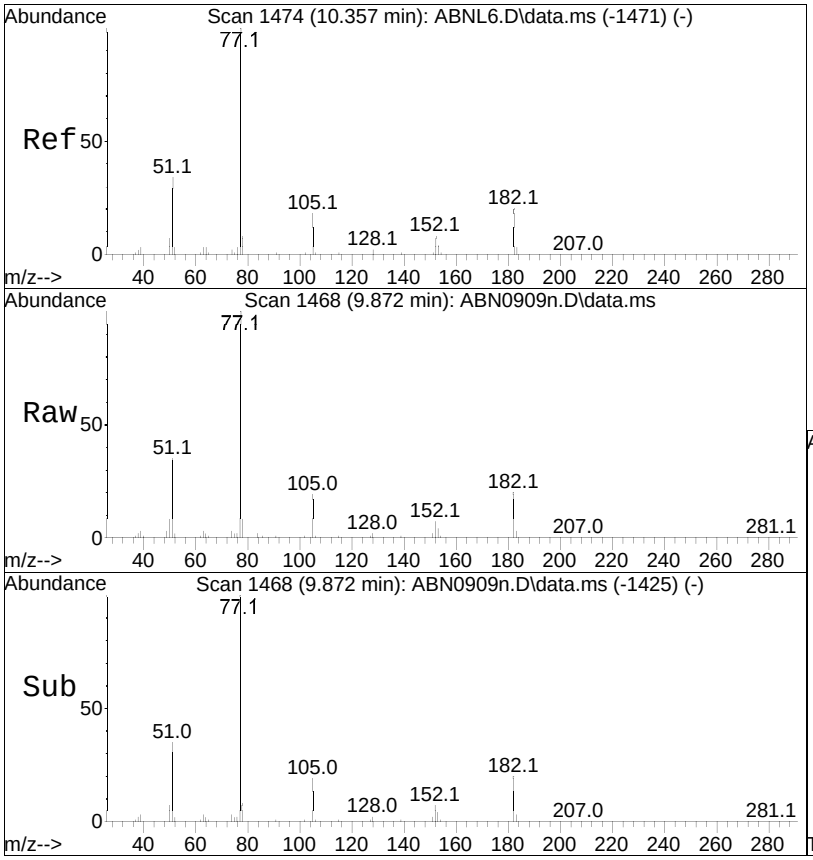


#77
NDPA/DPA
Concen: 4.28 ug/ml
RT: 9.842 min Scan# 1463
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:169 Resp: 91383

Ion	Ratio	Lower	Upper
169	100		
168	68.1	54.0	81.0
167	34.1	28.6	42.8

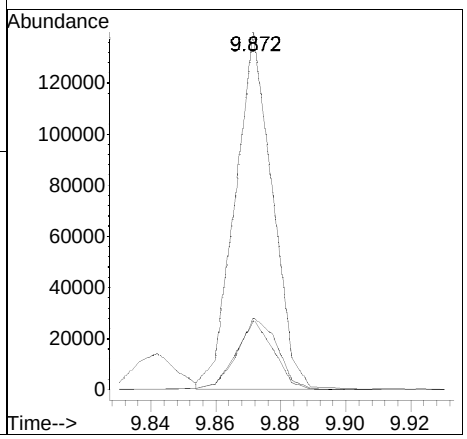


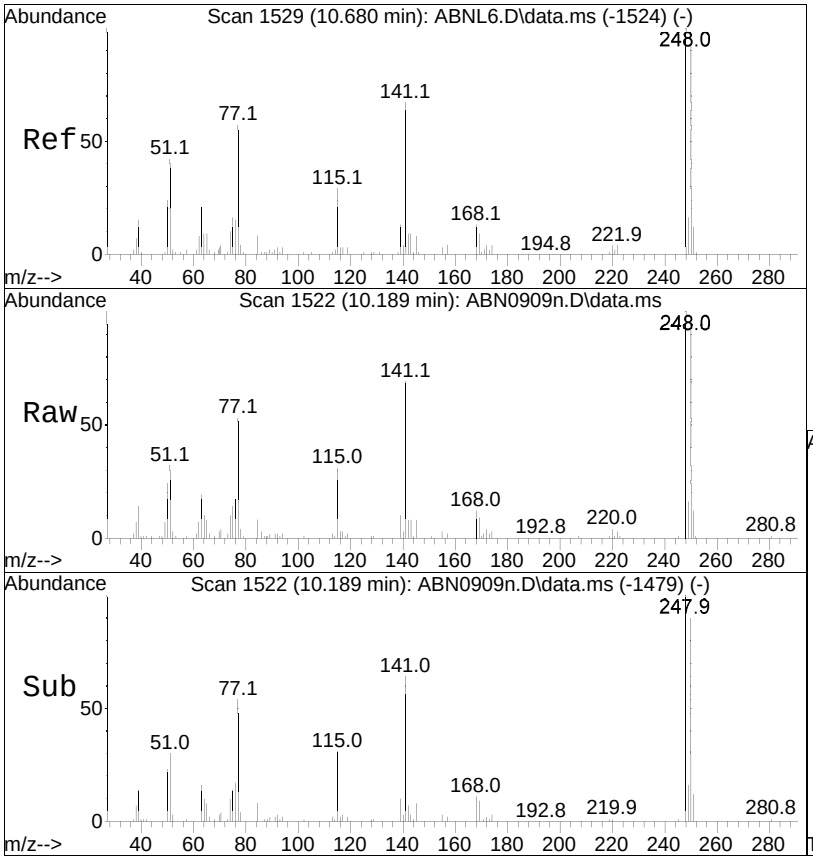


#78
Azobenzene
Concen: 4.49 ug/ml
RT: 9.872 min Scan# 1468
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion: 77 Resp: 109715

Ion	Ratio	Lower	Upper
77	100		
182	22.6	17.4	26.2
105	20.6	15.4	23.2

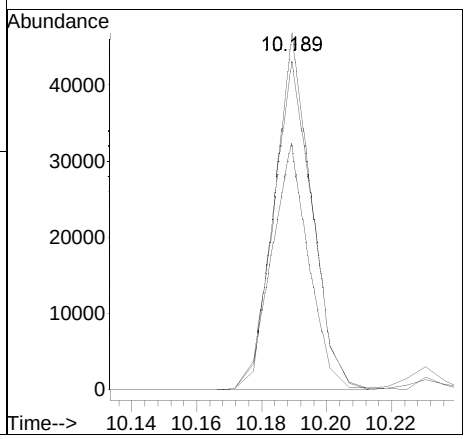


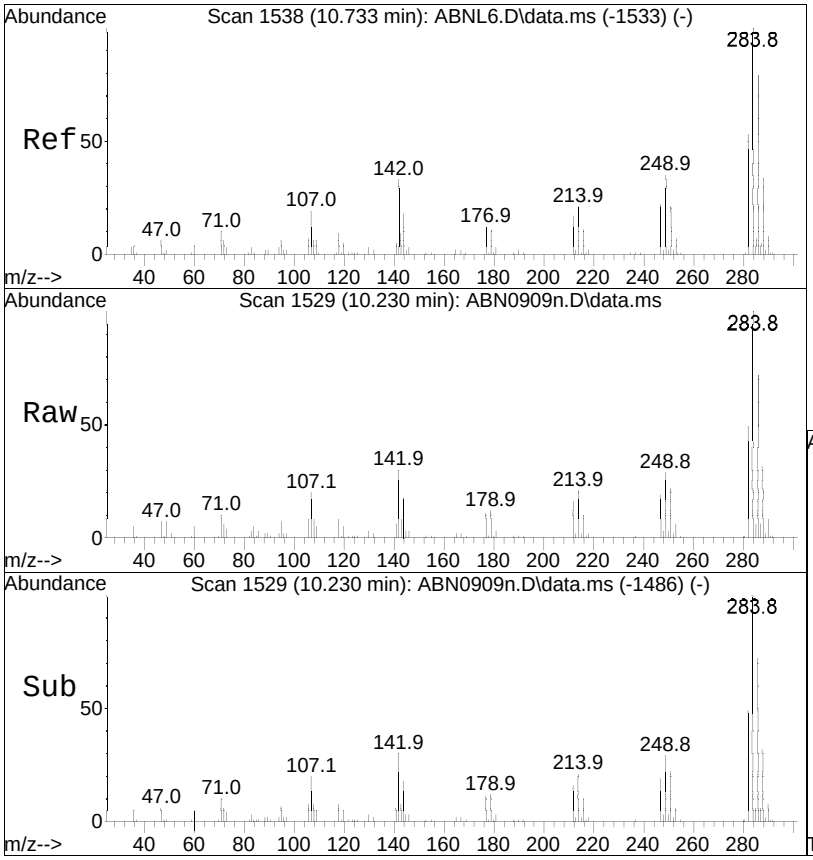


#80
4-Bromophenyl phenyl ether
Concen: 4.38 ug/ml
RT: 10.189 min Scan# 1522
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:248 Resp: 37049

Ion	Ratio	Lower	Upper
248	100		
141	69.6	76.6	114.8#
250	95.7	77.3	115.9

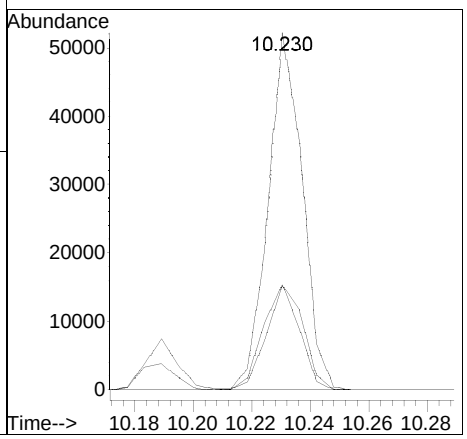


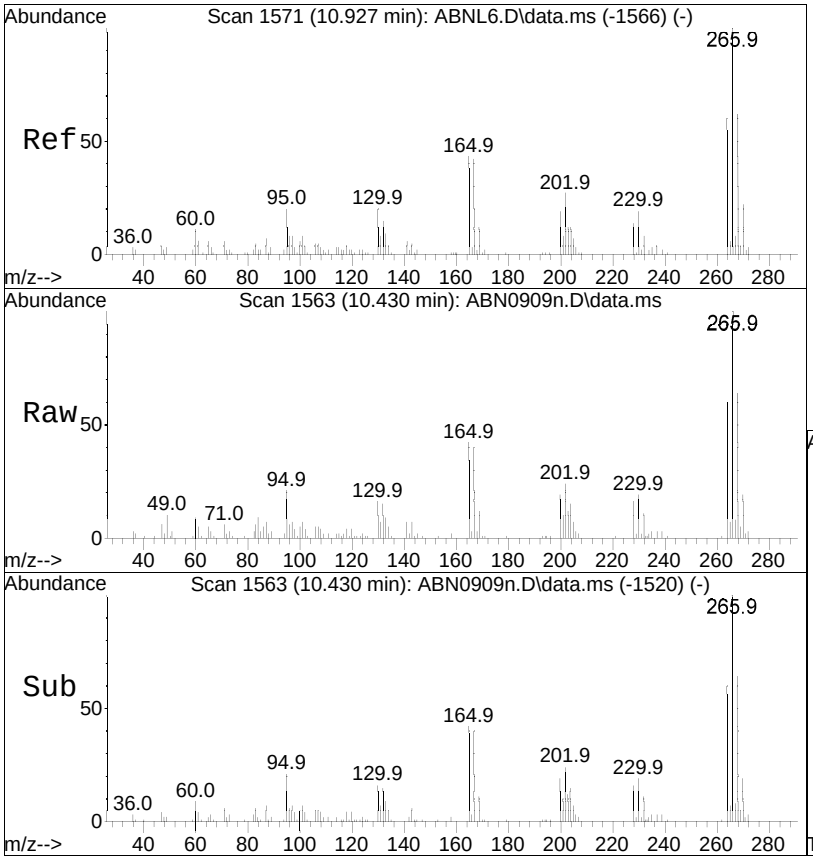


#81
Hexachlorobenzene
Concen: 4.38 ug/ml
RT: 10.230 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:284 Resp: 42073

Ion	Ratio	Lower	Upper
284	100		
142	31.5	41.9	62.9#
249	31.6	24.1	36.1

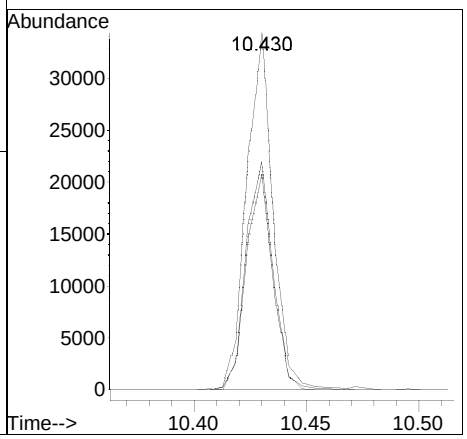


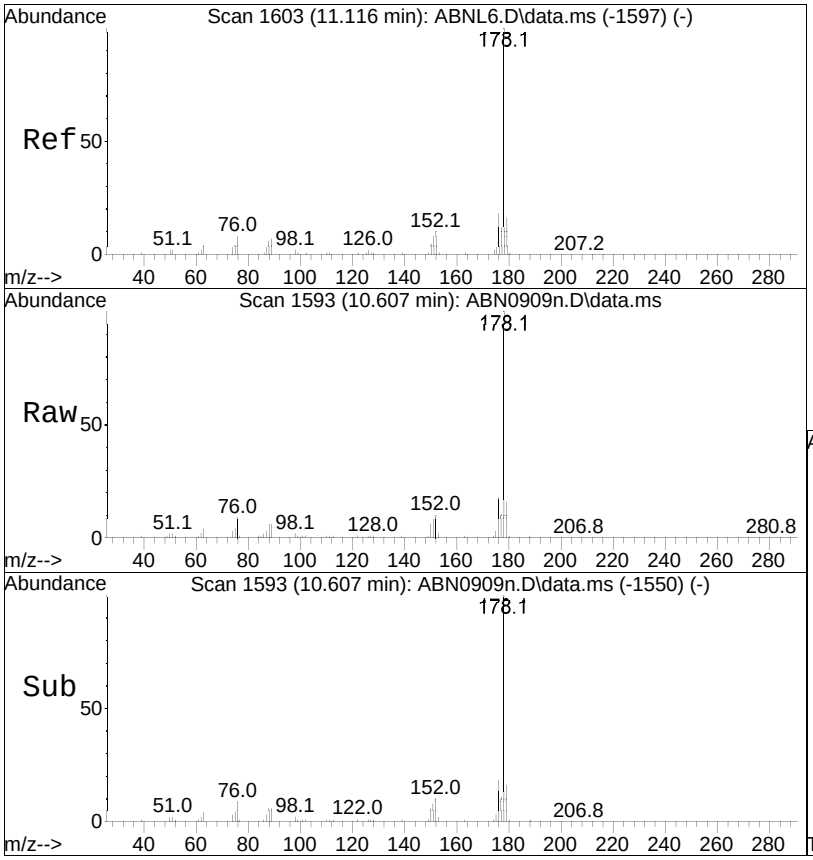


#82
Pentachlorophenol
Concen: 4.59 ug/ml
RT: 10.430 min Scan# 1563
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:266 Resp: 28035

Ion	Ratio	Lower	Upper
266	100		
264	60.6	49.7	74.5
268	65.4	50.5	75.7

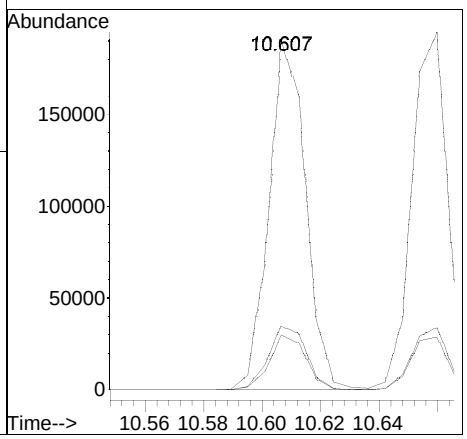


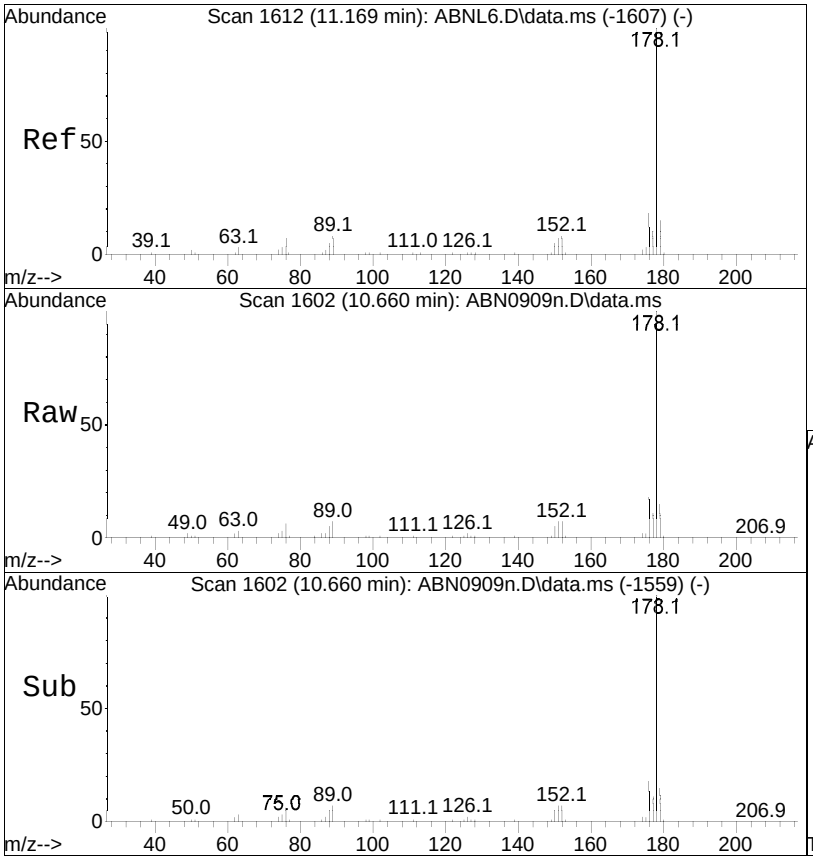


#89
Phenanthrene
Concen: 4.34 ug/ml
RT: 10.607 min Scan# 1593
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:178 Resp: 165924

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	18.9	15.4	23.2

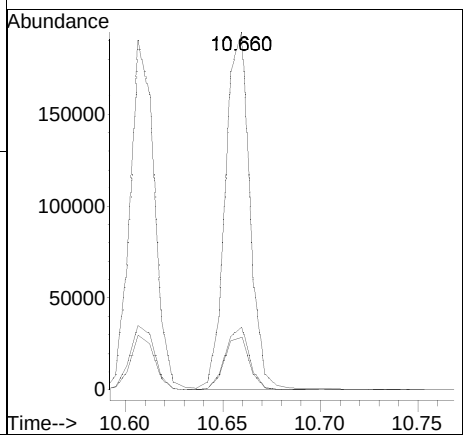


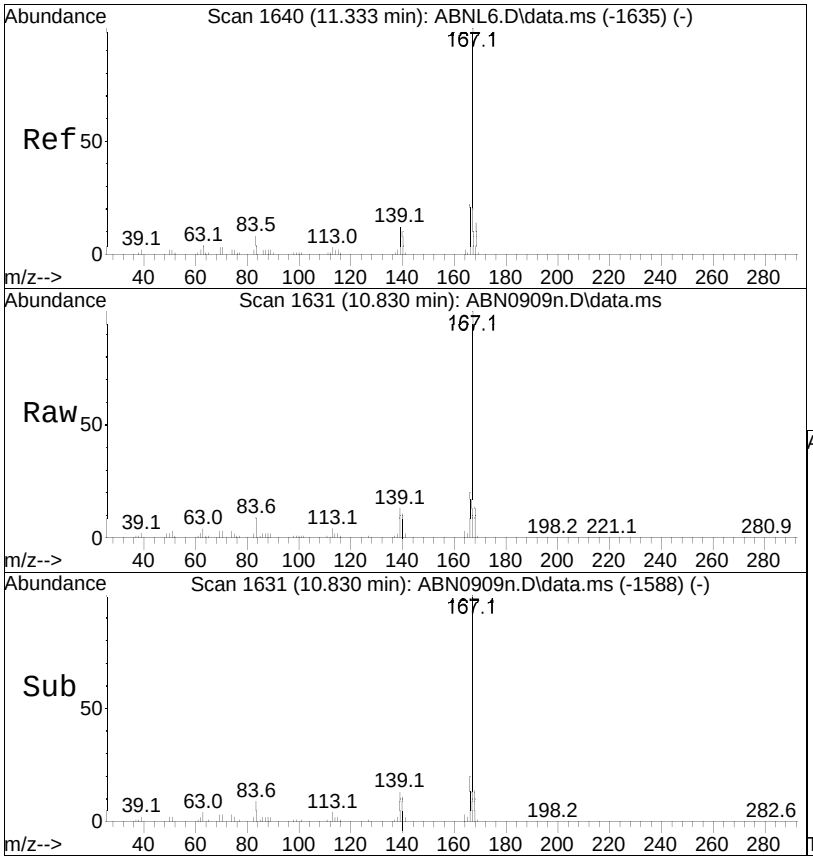


#90
Anthracene
Concen: 4.50 ug/ml
RT: 10.660 min Scan# 1602
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:178 Resp: 171181

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	17.4	14.6	22.0

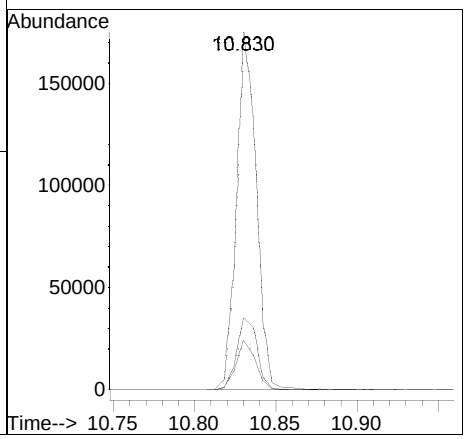


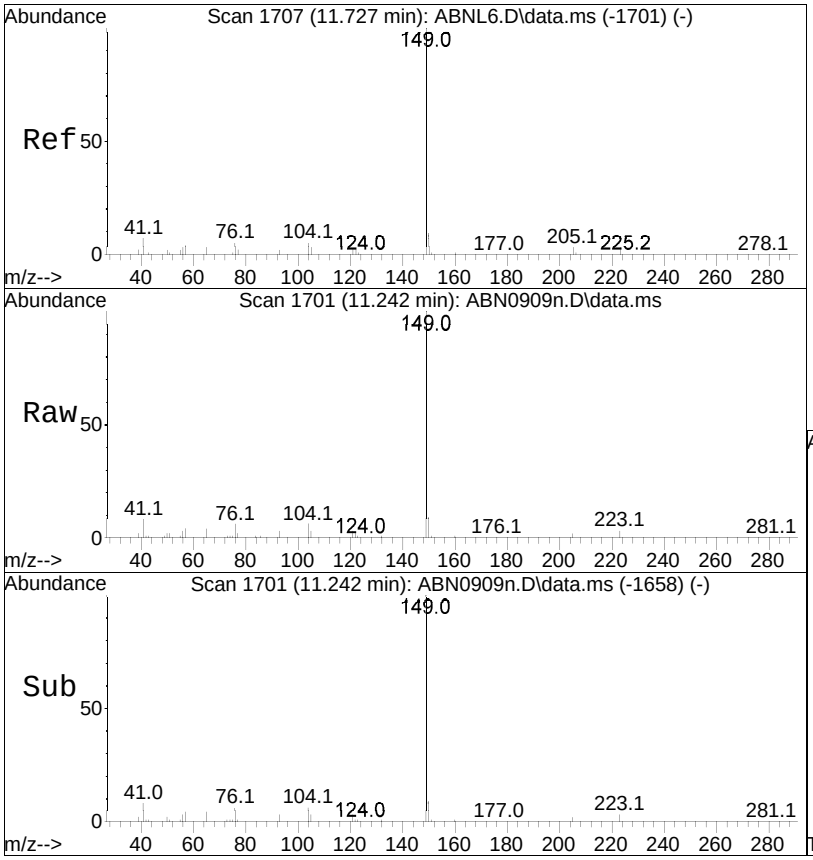


#91
Carbazole
Concen: 4.20 ug/ml
RT: 10.830 min Scan# 1631
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:167 Resp: 146190

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	21.3	17.4	26.0

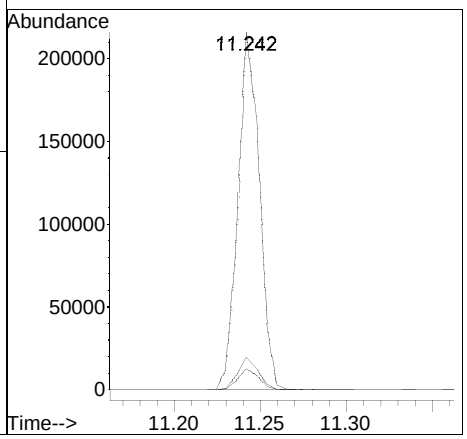


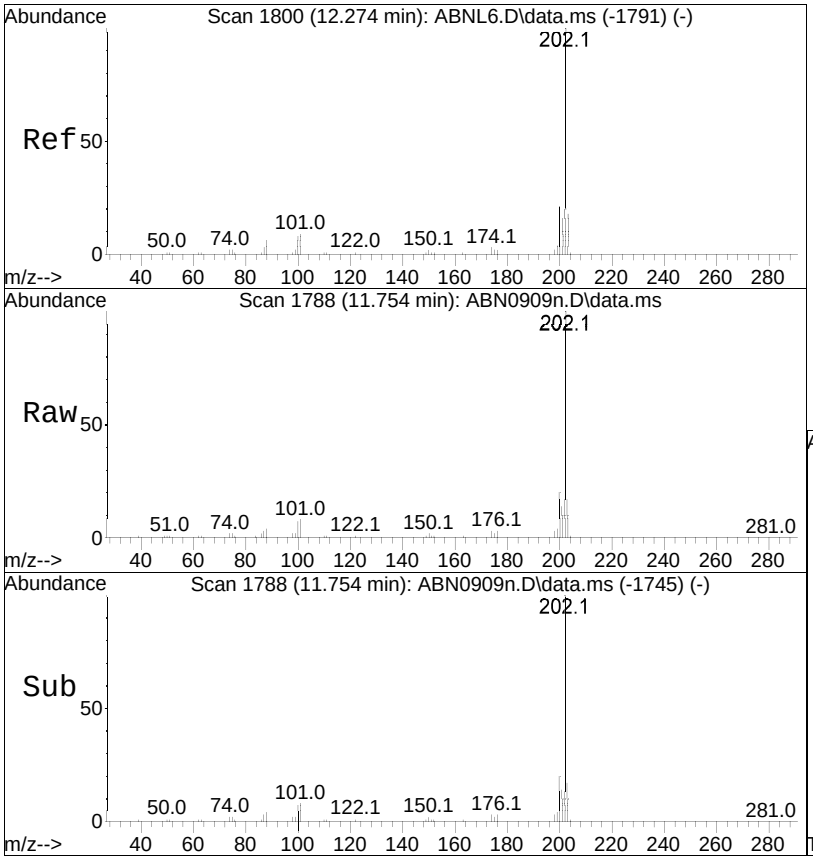


#92
Di-n-butylphthalate
Concen: 4.48 ug/ml
RT: 11.242 min Scan# 1701
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:149 Resp: 183452

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	6.0	4.5	6.7

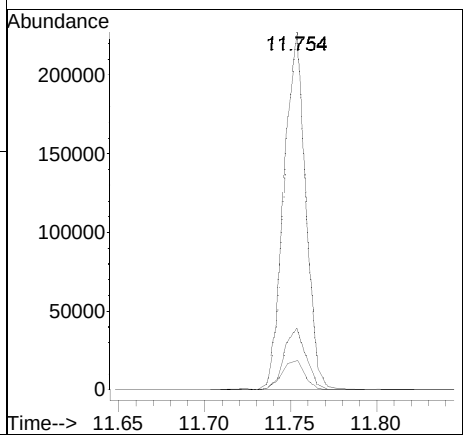


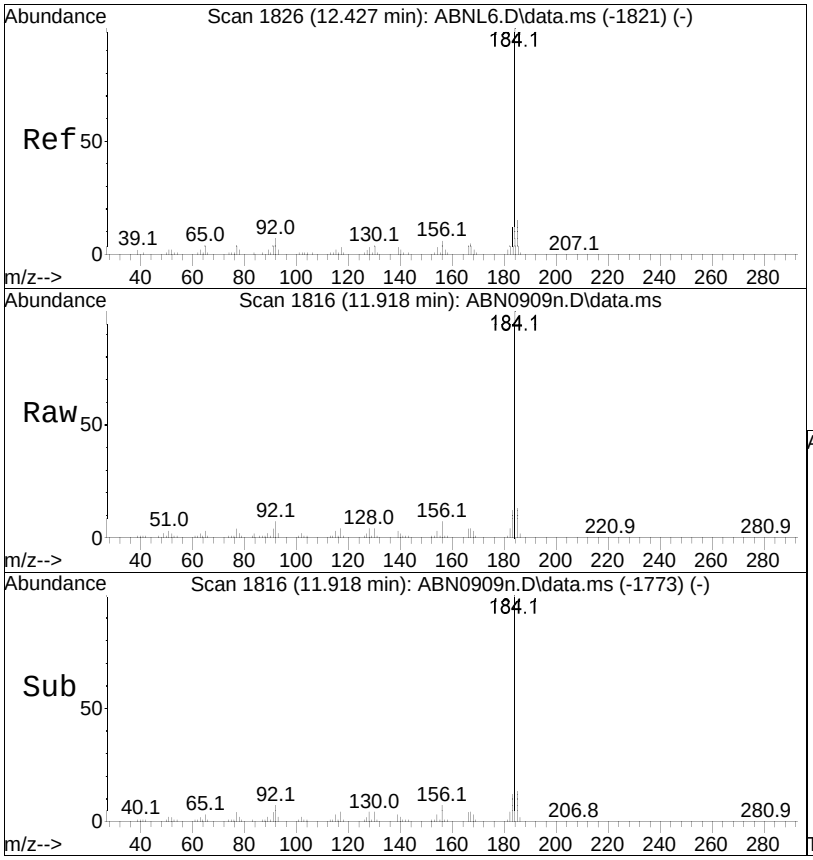


#93
Fluoranthene
Concen: 4.23 ug/ml
RT: 11.754 min Scan# 1788
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:202 Resp: 197669

Ion	Ratio	Lower	Upper
202	100		
101	8.9	13.5	20.3#
203	18.0	13.6	20.4

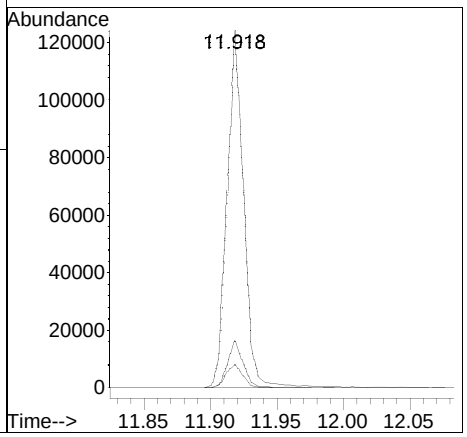


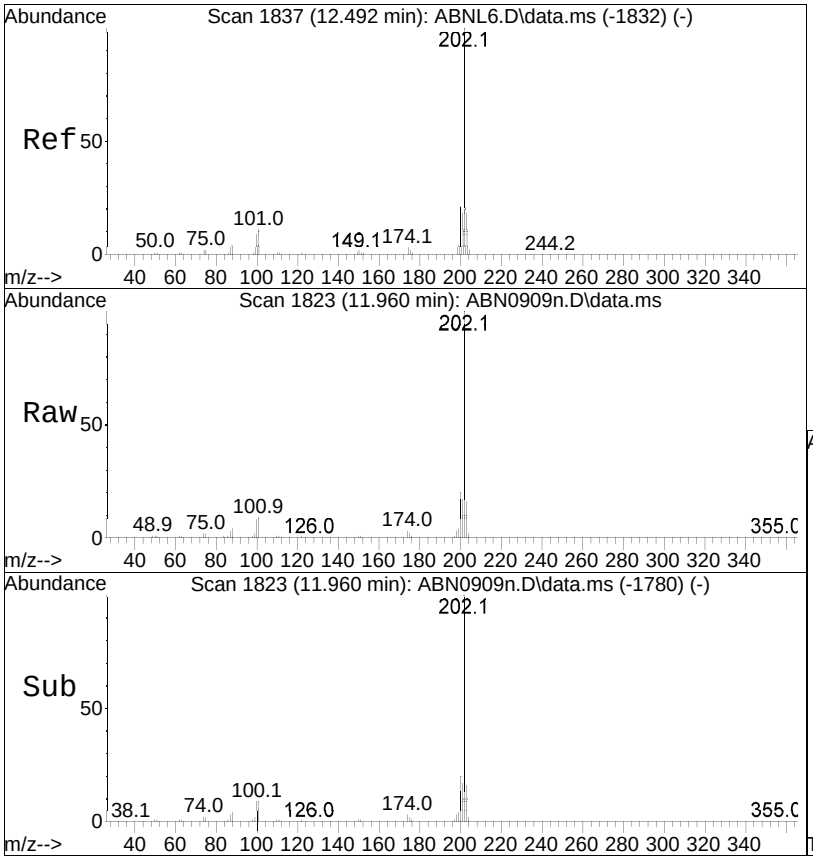


#94
Benzidine
Concen: 4.19 ug/ml
RT: 11.918 min Scan# 1816
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:184 Resp: 106412

Ion	Ratio	Lower	Upper
184	100		
92	6.8	9.1	13.7#
185	12.8	11.1	16.7

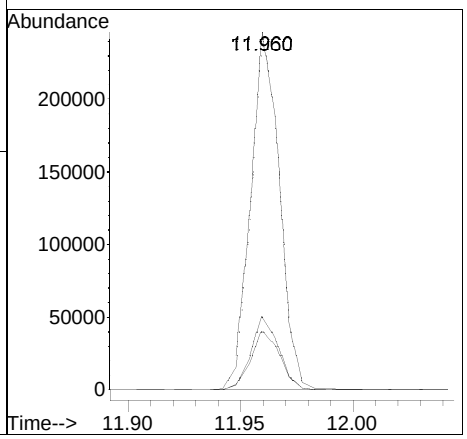


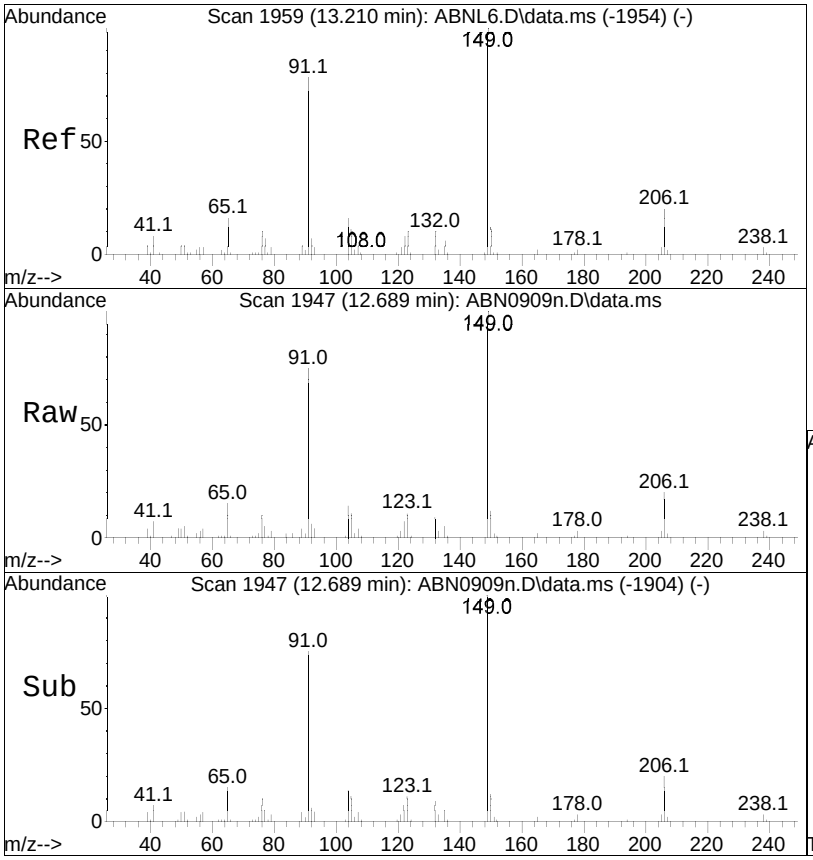


#95
Pyrene
Concen: 4.39 ug/ml
RT: 11.960 min Scan# 1823
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:202 Resp: 216604

Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.7	25.1
203	16.8	14.2	21.4

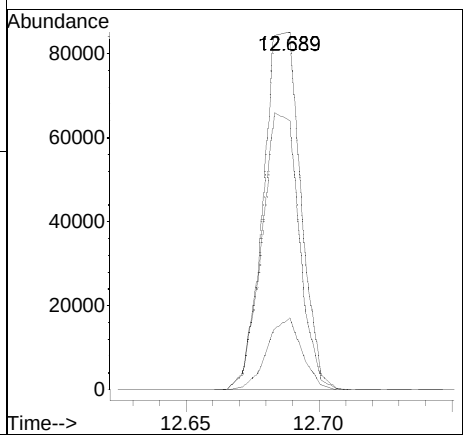


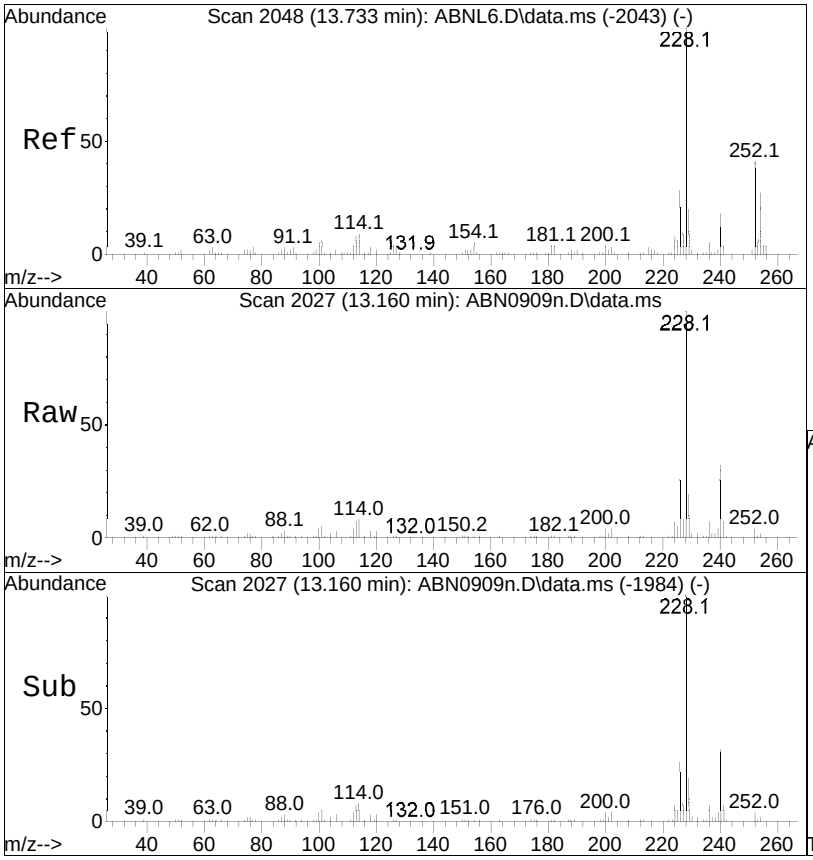


#97
Butyl benzyl phthalate
Concen: 4.38 ug/ml
RT: 12.689 min Scan# 1947
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:149 Resp: 82506

Ion	Ratio	Lower	Upper
149	100		
91	77.0	63.3	94.9
206	18.9	13.9	20.9

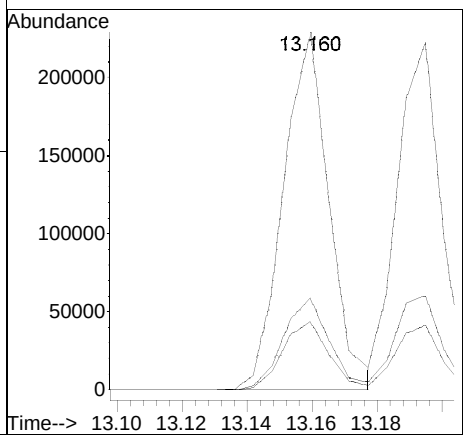


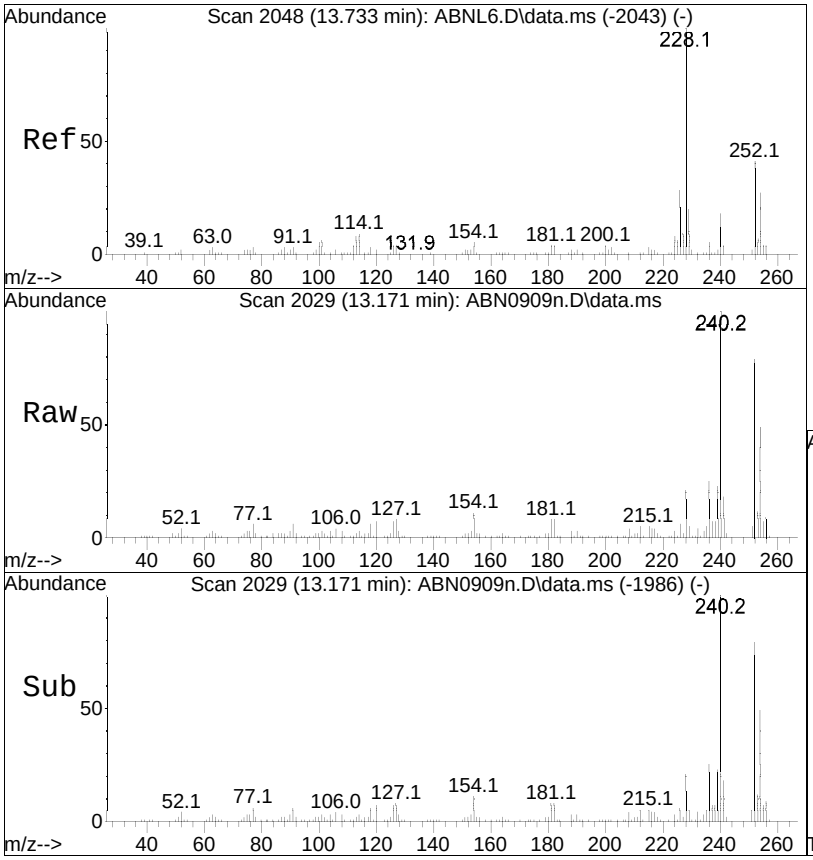


#105
Benzo(a)anthracene
Concen: 4.21 ug/ml
RT: 13.160 min Scan# 2027
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:228 Resp: 223924

Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.2	33.4
229	19.5	15.6	23.4

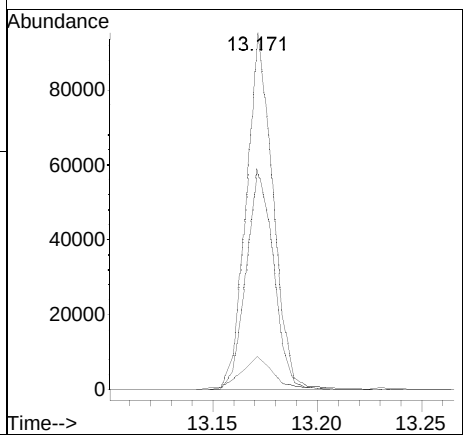


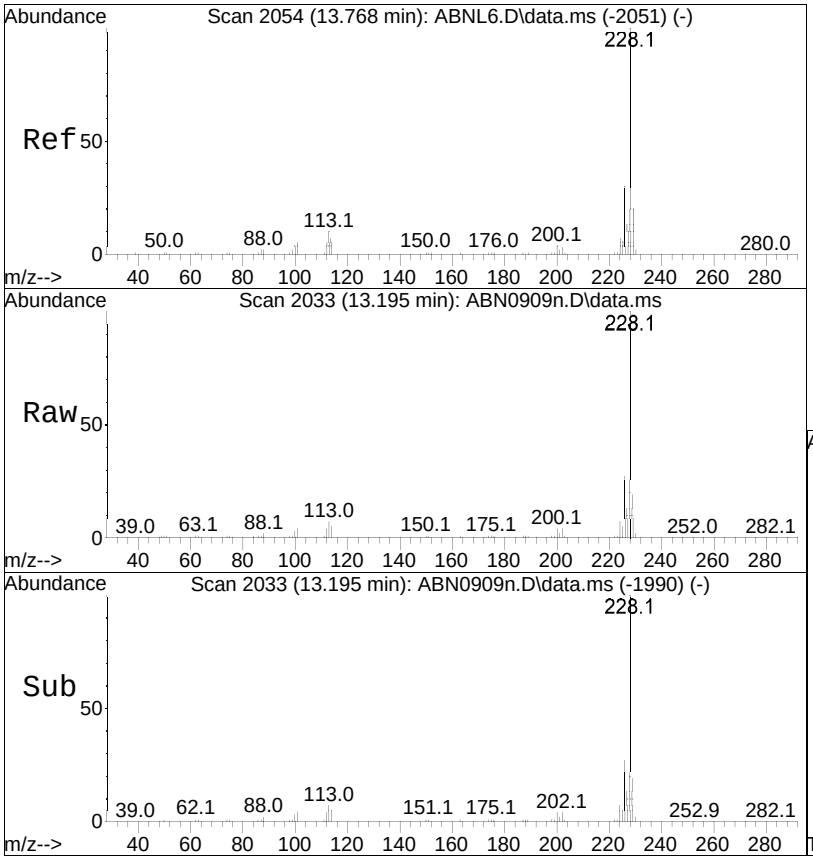


#106
3,3'-Dichlorobenzidine
Concen: 4.82 ug/ml
RT: 13.171 min Scan# 2029
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:252 Resp: 84754

Ion	Ratio	Lower	Upper
252	100		
126	11.8	14.5	21.7#
254	63.4	51.2	76.8

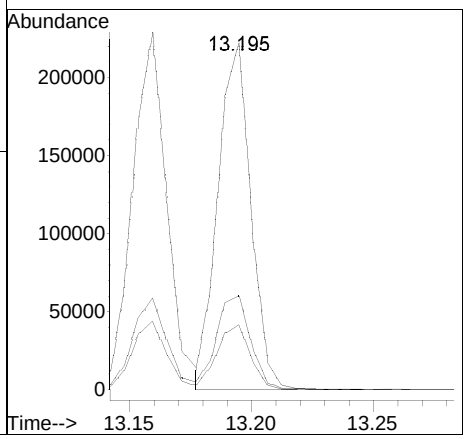


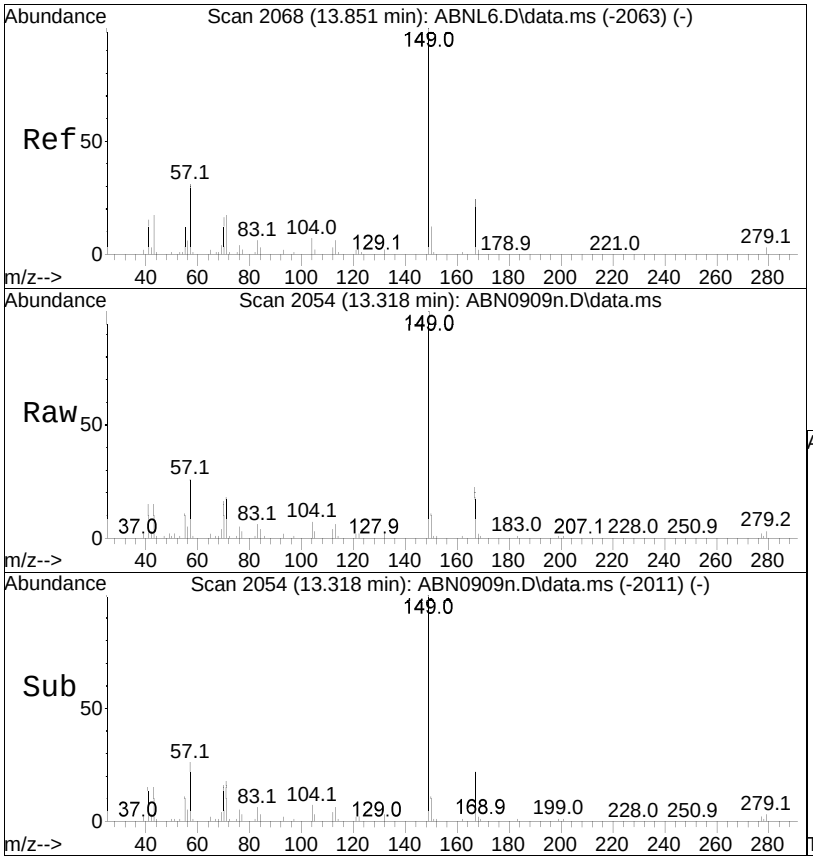


#107
Chrysene
Concen: 4.04 ug/ml
RT: 13.195 min Scan# 2033
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:228 Resp: 207847

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.0	36.0
229	19.1	15.8	23.8

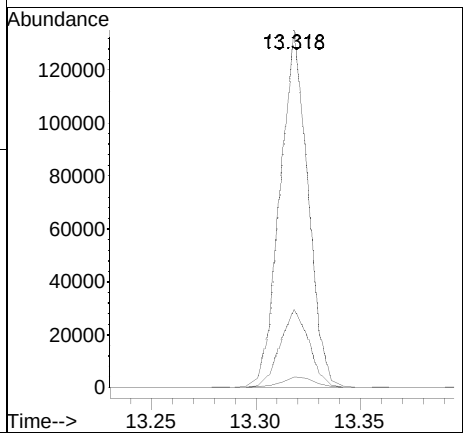


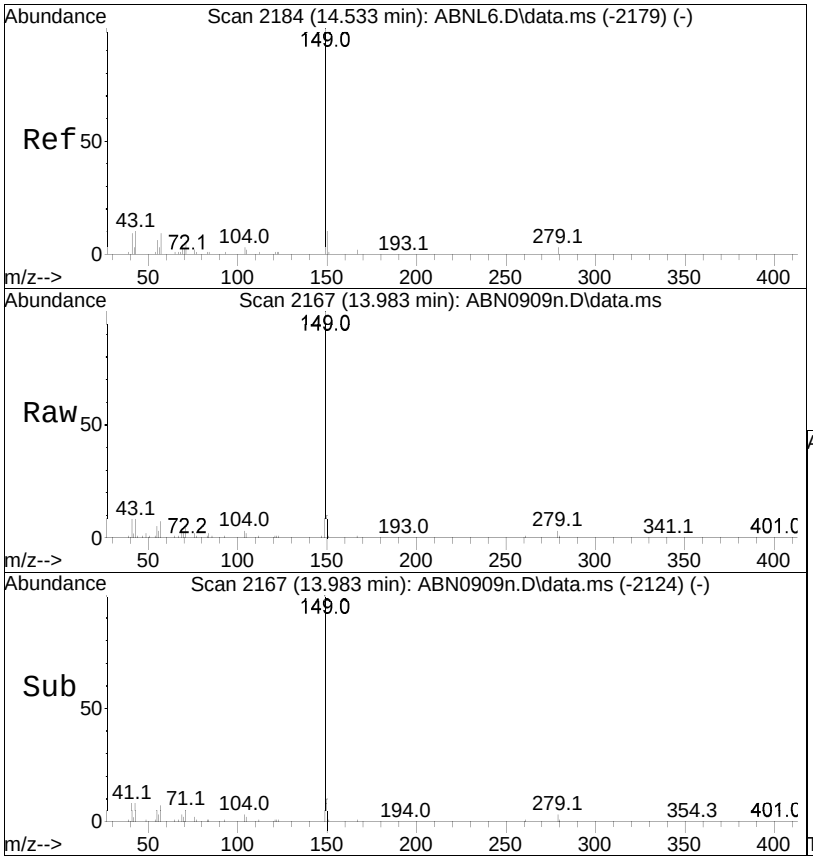


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.23 ug/ml
RT: 13.318 min Scan# 2054
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:149 Resp: 124279

Ion	Ratio	Lower	Upper
149	100		
167	22.8	22.1	33.1
279	3.3	3.0	4.4

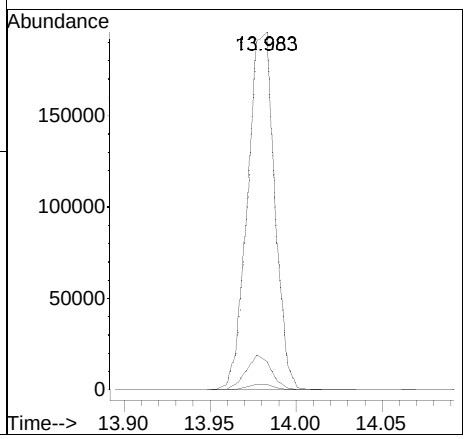


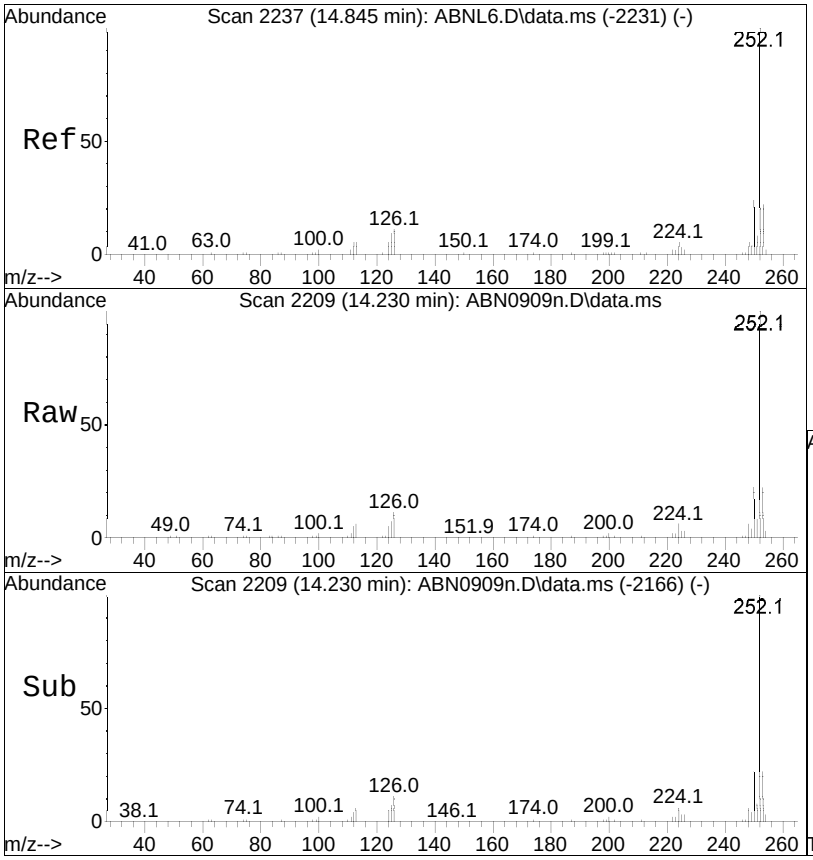


#109
Di-n-octylphthalate
Concen: 4.33 ug/ml
RT: 13.983 min Scan# 2167
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:149 Resp: 210895

Ion	Ratio	Lower	Upper
149	100		
43	9.2	18.8	28.2#
167	1.5	1.3	1.9

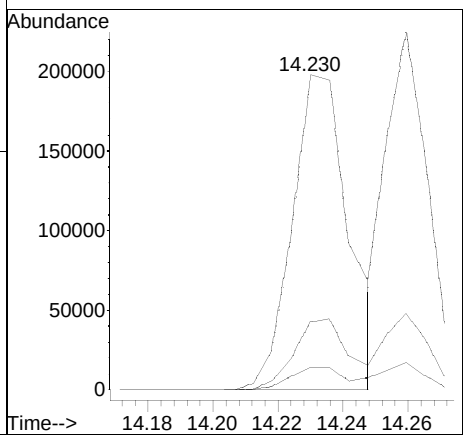


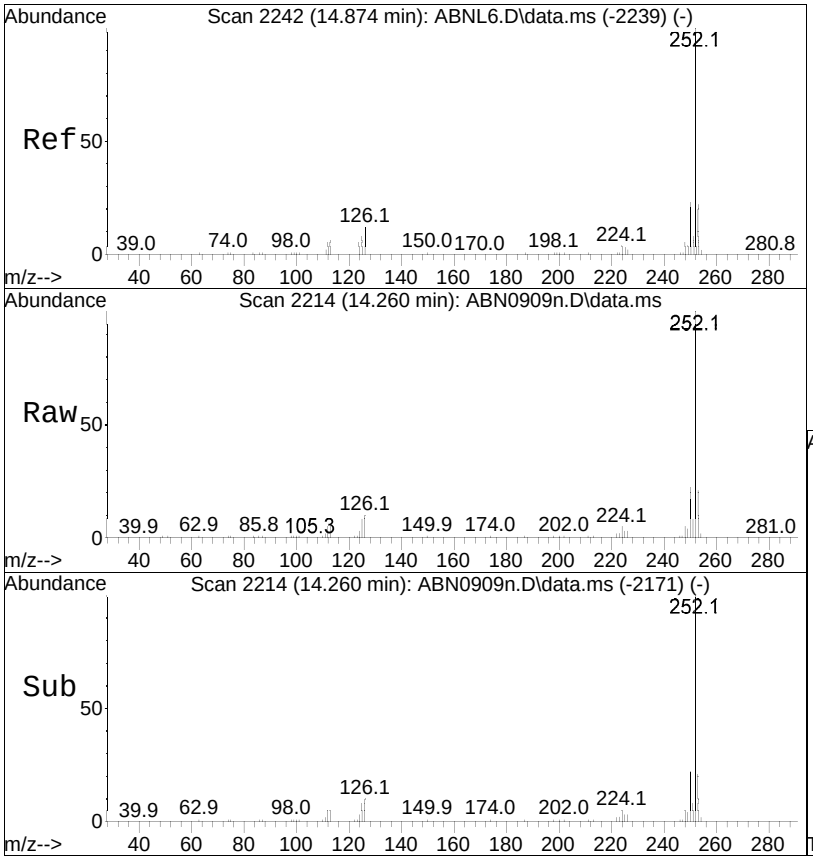


#110
Benzo(b)fluoranthene
Concen: 4.66 ug/ml
RT: 14.230 min Scan# 2209
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:252 Resp: 239829

Ion	Ratio	Lower	Upper
252	100		
125	6.7	13.3	19.9#
253	22.1	17.1	25.7

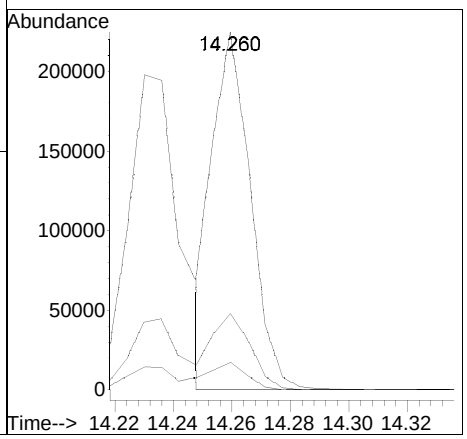


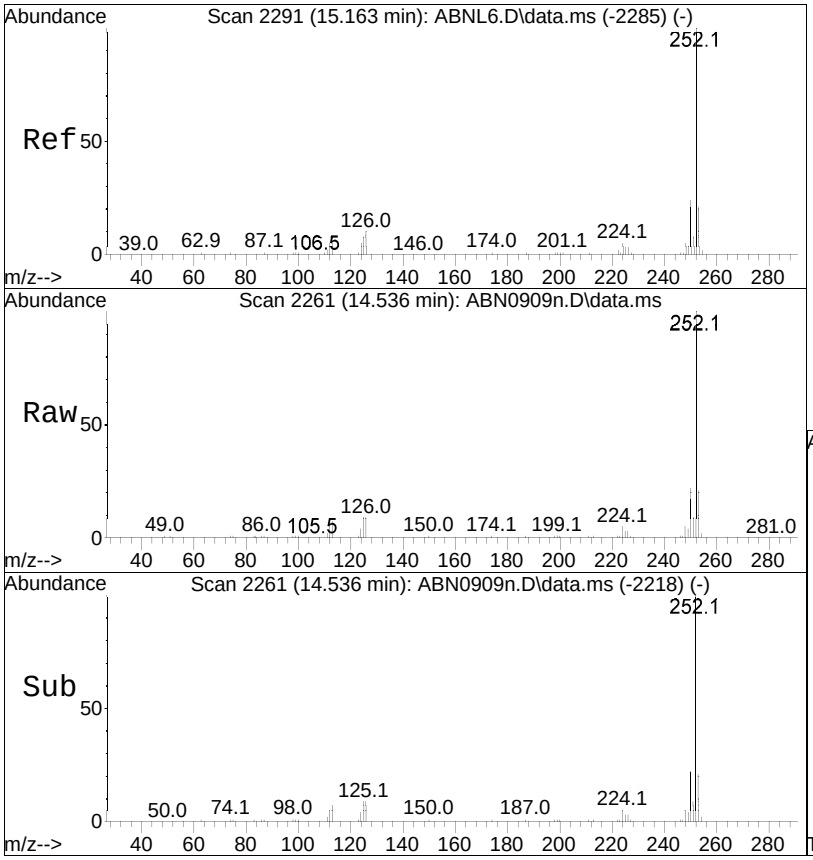


#111
Benzo(k)fluoranthene
Concen: 4.19 ug/ml
RT: 14.260 min Scan# 2214
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:252 Resp: 204527

Ion	Ratio	Lower	Upper
252	100		
125	8.4	13.0	19.6#
253	21.8	16.8	25.2

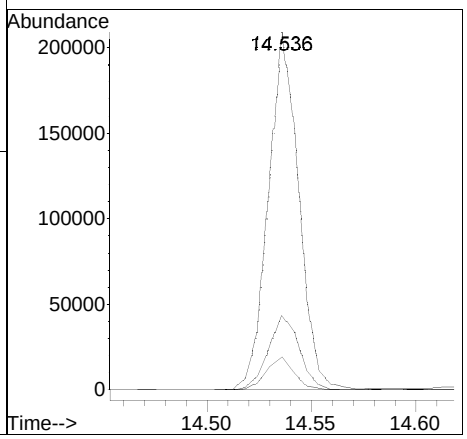


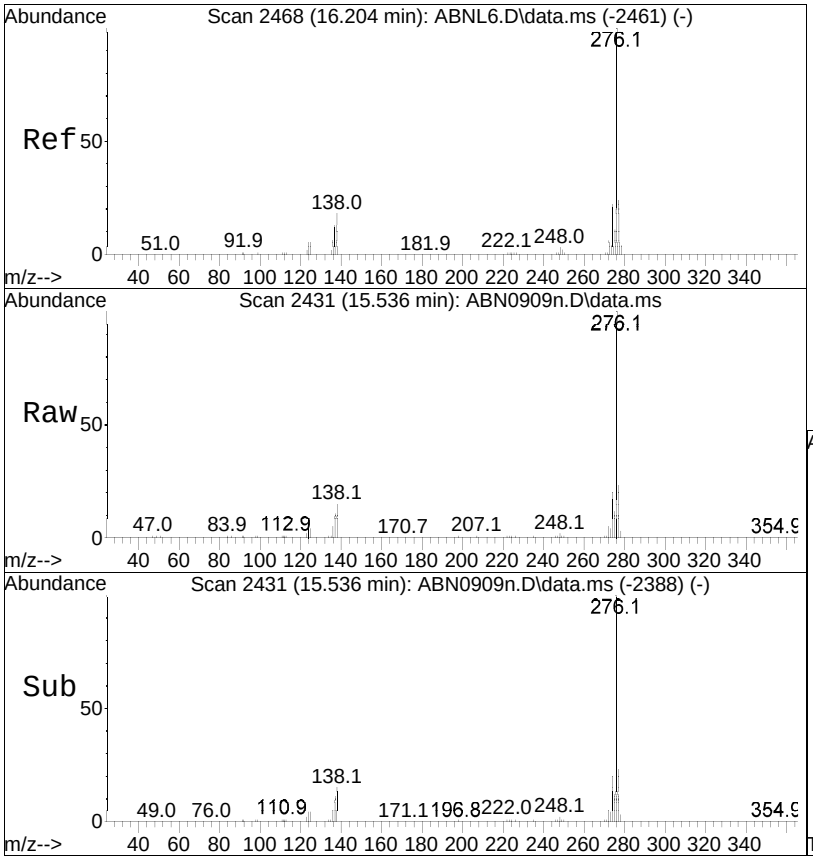


#112
Benzo(a)pyrene
Concen: 4.68 ug/ml
RT: 14.536 min Scan# 2261
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:252 Resp: 209297

Ion	Ratio	Lower	Upper
252	100		
125	8.6	14.2	21.2#
253	21.7	16.9	25.3

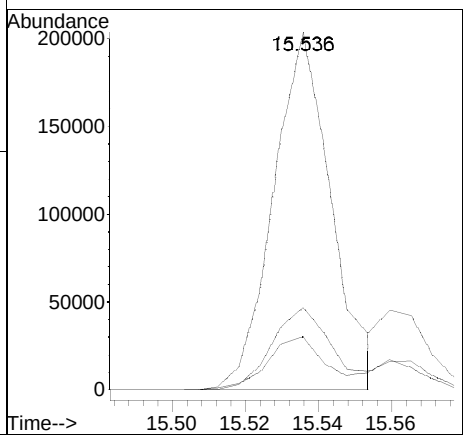


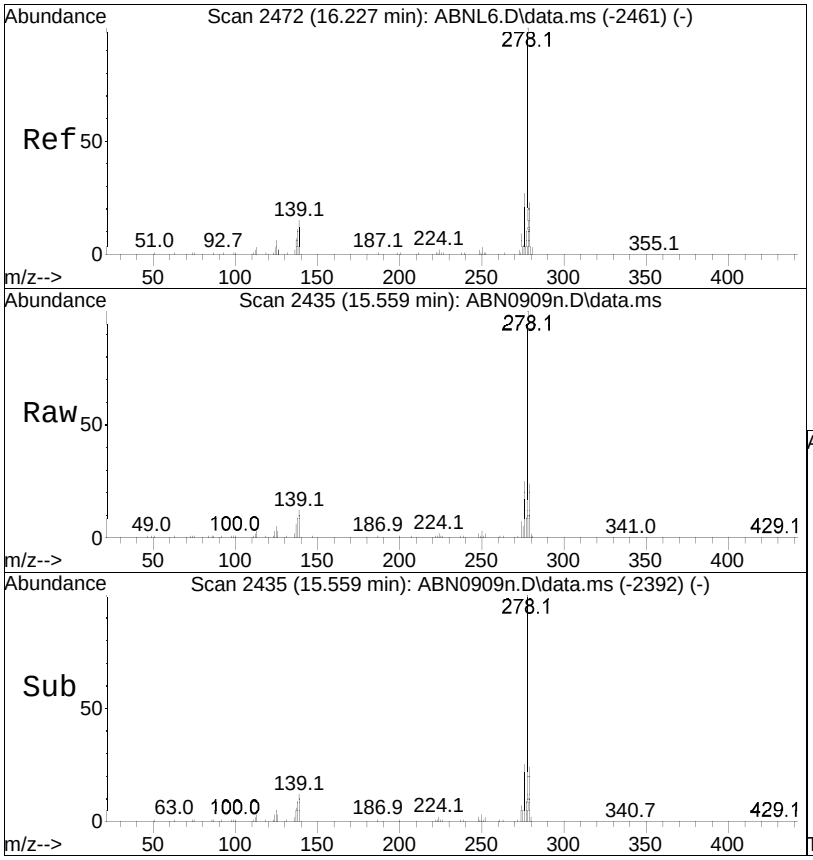


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.94 ug/mL M6
RT: 15.536 min Scan# 2431
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:276 Resp: 223753

Ion	Ratio	Lower	Upper
276	100		
138	14.9	25.1	37.7#
277	24.4	18.6	28.0

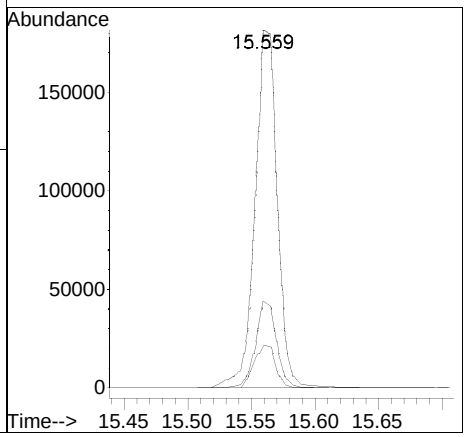


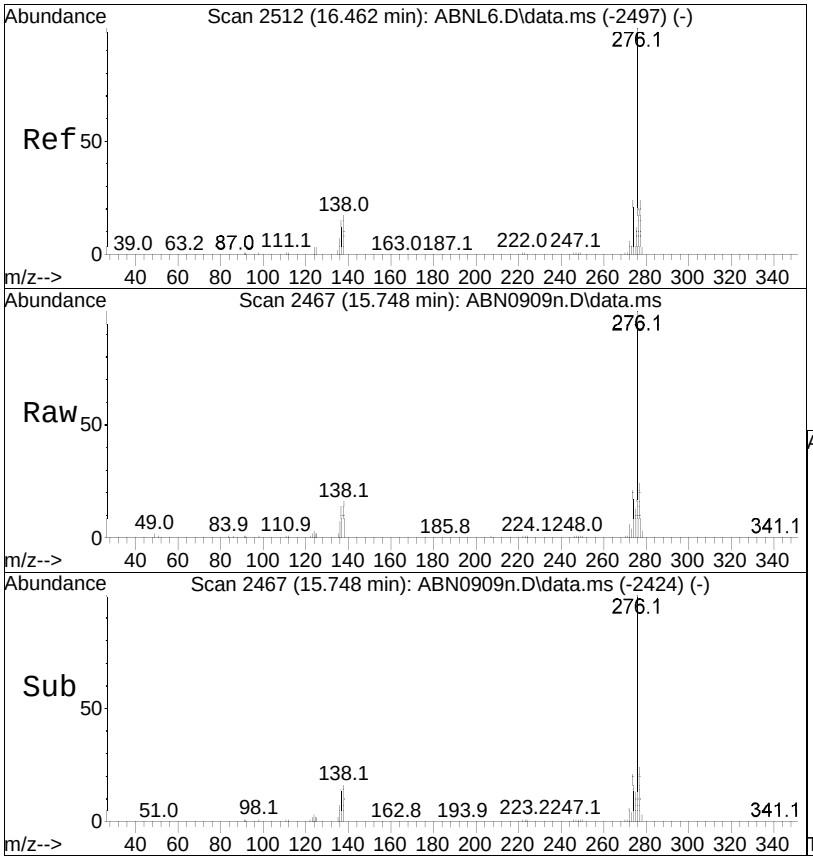


#115
Dibenzo(a,h)anthracene
Concen: 5.02 ug/ml
RT: 15.559 min Scan# 2435
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:278 Resp: 218861

Ion	Ratio	Lower	Upper
278	100		
139	11.6	20.8	31.2#
279	23.1	18.3	27.5

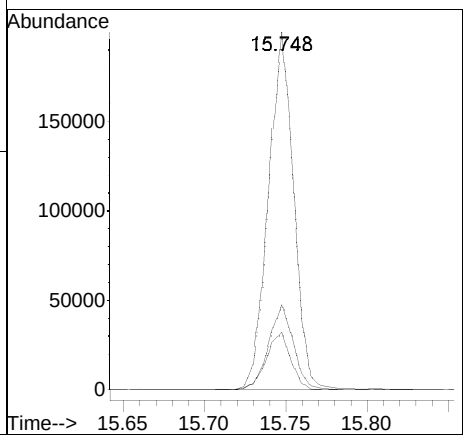




#116
Benzo(ghi)perylene
Concen: 5.28 ug/ml
RT: 15.748 min Scan# 2467
Delta R.T. 0.000 min
Lab File: ABN0909n.D
Acq: 9 Sep 2024 11:19 pm

Tgt Ion:276 Resp: 213025

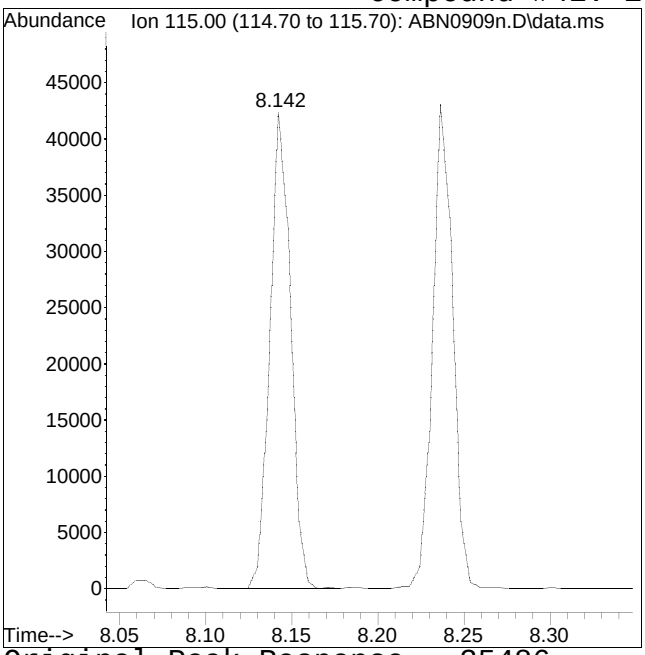
Ion	Ratio	Lower	Upper
276	100		
138	15.8	29.2	43.8#
277	23.6	18.8	28.2

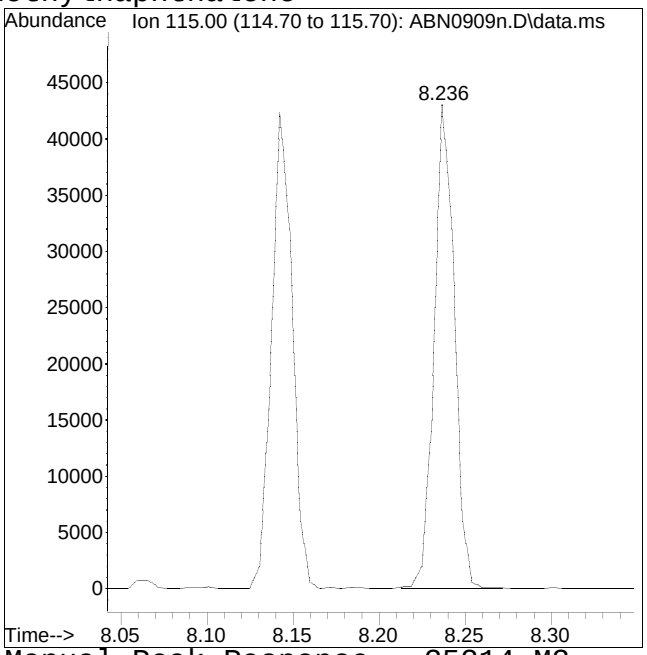


Manual Integration Report

Data Path : I:\8270\SV106\240909NRVT\ QMethod : FS240624SV106.m
Data File : ABN0909n.D Operator : SV106:ljg
Date Inj'd : 9/9/2024 11:19 pm Instrument : SV 106
Sample : WG1968644-3,32,,ABN RVT CCQuant Date : 9/9/2024 11:47 pm

Compound #42: 1-Methylnaphthalene



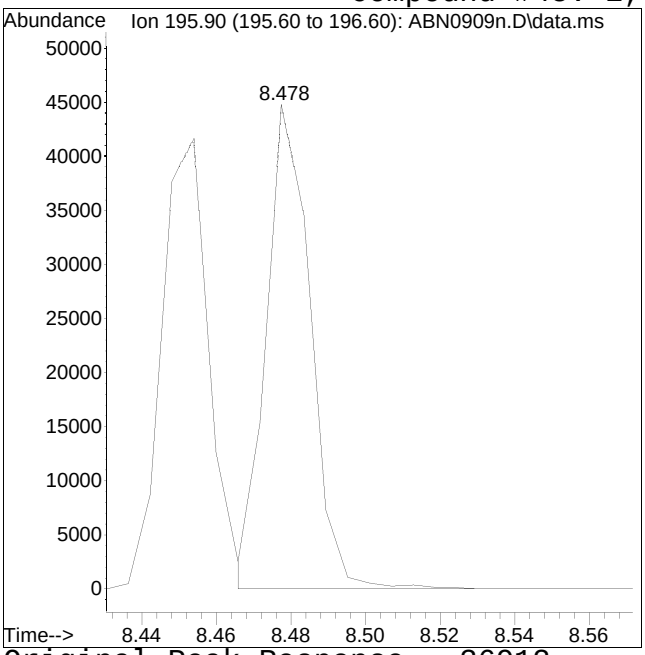


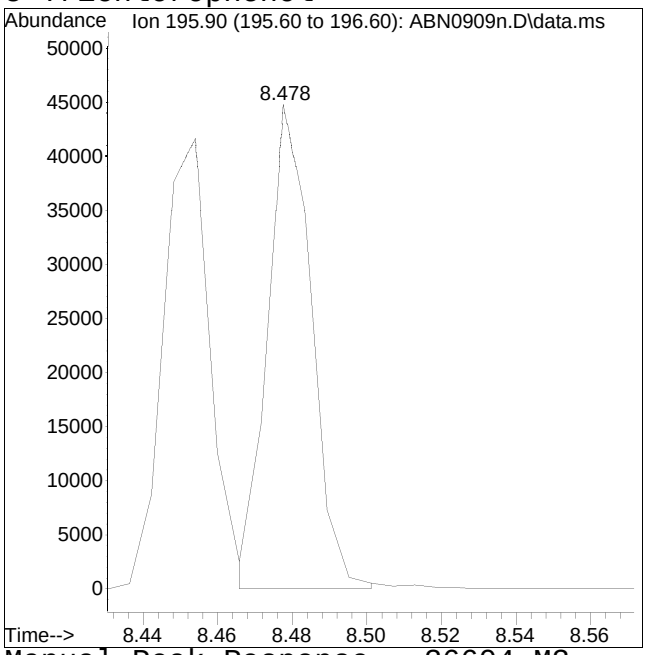
Original Peak Response = 35486 Manual Peak Response = 35214 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240909NRVT\ QMethod : FS240624SV106.m
Data File : ABN0909n.D Operator : SV106:ljg
Date Inj'd : 9/9/2024 11:19 pm Instrument : SV 106
Sample : WG1968644-3,32,,ABN RVT CCQuant Date : 9/9/2024 11:47 pm

Compound #45: 2,4,5-Trichlorophenol





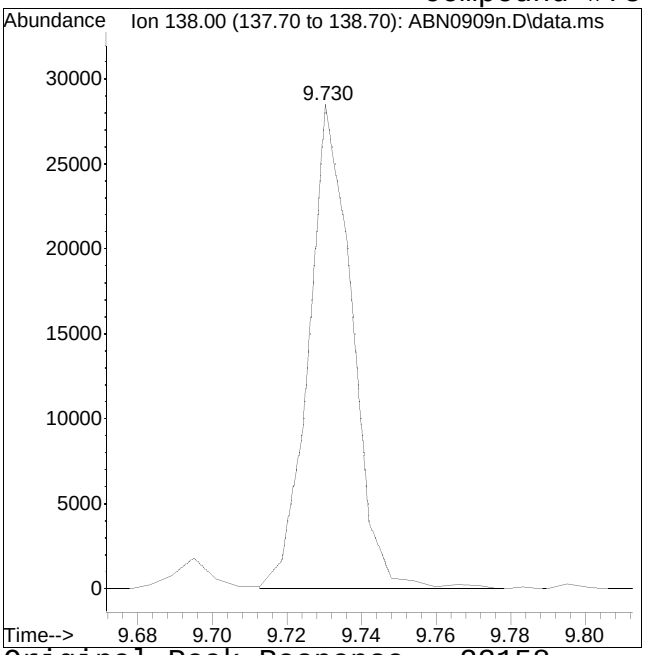
Original Peak Response = 36912 Manual Peak Response = 36604 M3

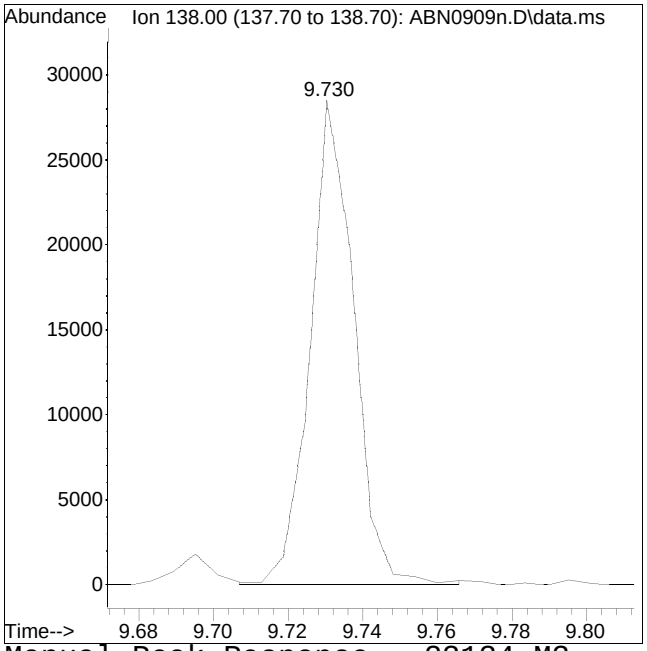
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240909NRVT\ QMethod : FS240624SV106.m
Data File : ABN0909n.D Operator : SV106:ljg
Date Inj'd : 9/9/2024 11:19 pm Instrument : SV 106
Sample : WG1968644-3,32,,ABN RVT CCQuant Date : 9/9/2024 11:47 pm

Compound #75: 4-Nitroaniline





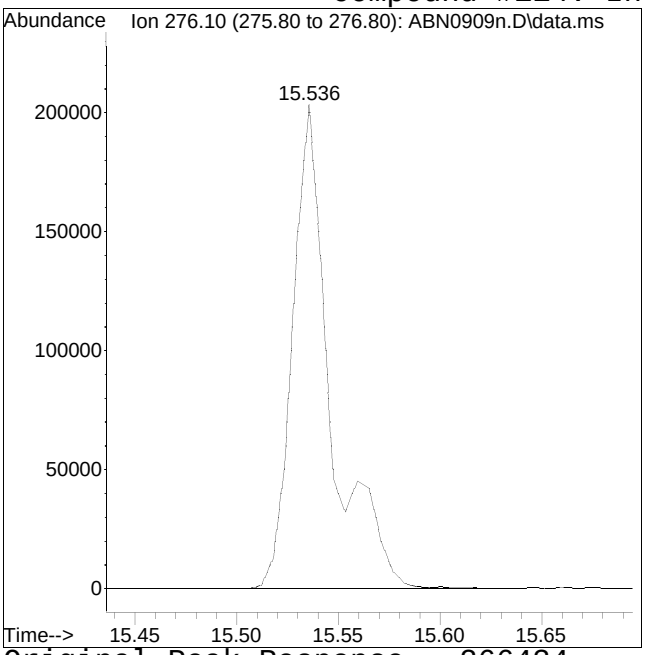
Original Peak Response = 23158 Manual Peak Response = 23134 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

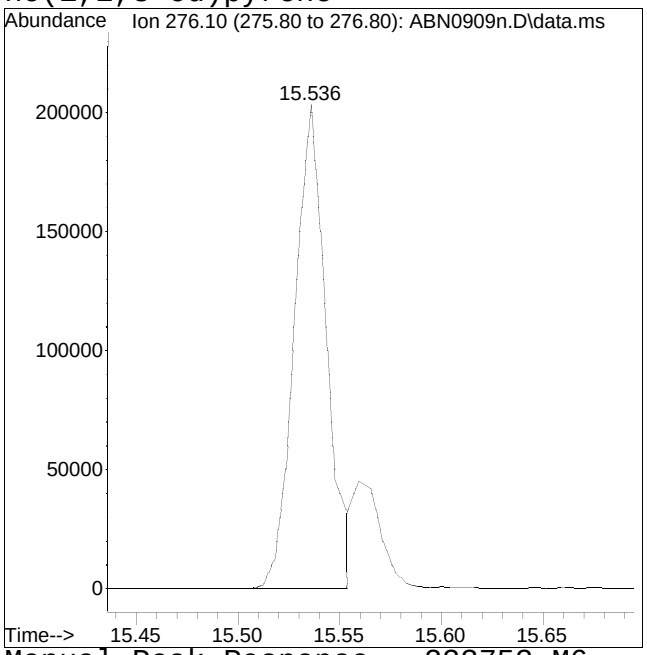
Manual Integration Report

Data Path : I:\8270\SV106\240909NRVT\ QMethod : FS240624SV106.m
Data File : ABN0909n.D Operator : SV106:ljg
Date Inj'd : 9/9/2024 11:19 pm Instrument : SV 106
Sample : WG1968644-3,32,,ABN RVT CCQuant Date : 9/9/2024 11:47 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 266434



Manual Peak Response = 223753 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : AP90909n.D
Acq On : 9 Sep 2024 11:42 pm
Operator : SV106:ljg
Sample : WG1968644-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1968644,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 00:03:31 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:04:07 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
28	T	Benzaldehyde	1.187	1.177	0.8	112	0.00
29	T	Acetophenone	2.158	2.082	3.5	109	0.00
30	T	m-Toluidine	1.957	1.907	2.6	110	0.00
31	T	2-Chloroaniline	1.709	1.646	3.7	109	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	110	0.00
56	T	a-Terpineol	0.400	0.353	11.8	99	0.00
57	T	3-Chloroaniline	0.201	0.198	1.5	110	0.00
58	T	2,6-Dichlorophenol	0.362	0.346	4.4	102	0.00
59	T	1-chloro-2-nitrobenzene	0.180	0.175	2.8	104	0.00
60	T	Caprolactam	0.210	0.177	15.7	87	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.548	0.498	9.1	104	0.00
62	T	Biphenyl	1.084	0.952	12.2	99	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	114	0.00
84	T	Dichloran	0.247	0.226	8.5	98	0.00
85	T	Pentachloronitrobenzene	0.270	0.269	0.4	105	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	104	0.00
99	T	Diphenamid	0.561	0.495	11.8	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : AP90909n.D
Acq On : 9 Sep 2024 11:42 pm
Operator : SV106:ljg
Sample : WG1968644-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1968644,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 00:03:31 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:04:07 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	5.913	152	35778	4.000	ug/ml	# 0.00
55) IS2_Naphthalene-d8	7.395	136	126202	4.000	ug/ml	# 0.00
83) IS2_Acenaphthene-d10	9.160	164	83428	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	10.589	188	179931	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.266	105	52630	4.955	ug/ml	99
29) Acetophenone	6.454	105	93104	4.823	ug/ml#	81
30) m-Toluidine	6.560	106	85269	4.872	ug/ml#	99
31) 2-Chloroaniline	6.972	127	73635	4.816	ug/ml	97
56) a-Terpineol	7.483	59	55683	4.411	ug/ml#	78
57) 3-Chloroaniline	7.495	65	31172	4.924	ug/ml#	66
58) 2,6-Dichlorophenol	7.525	162	54660	4.790	ug/ml	95
59) 1-chloro-2-nitrobenzene	7.789	111	27655	4.864	ug/ml#	1
60) Caprolactam	7.836	55	27846	4.203	ug/ml#	59
61) 1,2,4,5-Tetrachloroben...	8.319	216	78602	4.542	ug/ml	97
62) Biphenyl	8.624	154	150204	4.391	ug/ml	99
84) Dichloran	10.295	206	23563	4.571	ug/ml#	67
85) Pentachloronitrobenzene	10.442	237	28024	4.975	ug/ml#	74
99) Diphenamid	11.507	167	111426	4.413	ug/ml	86

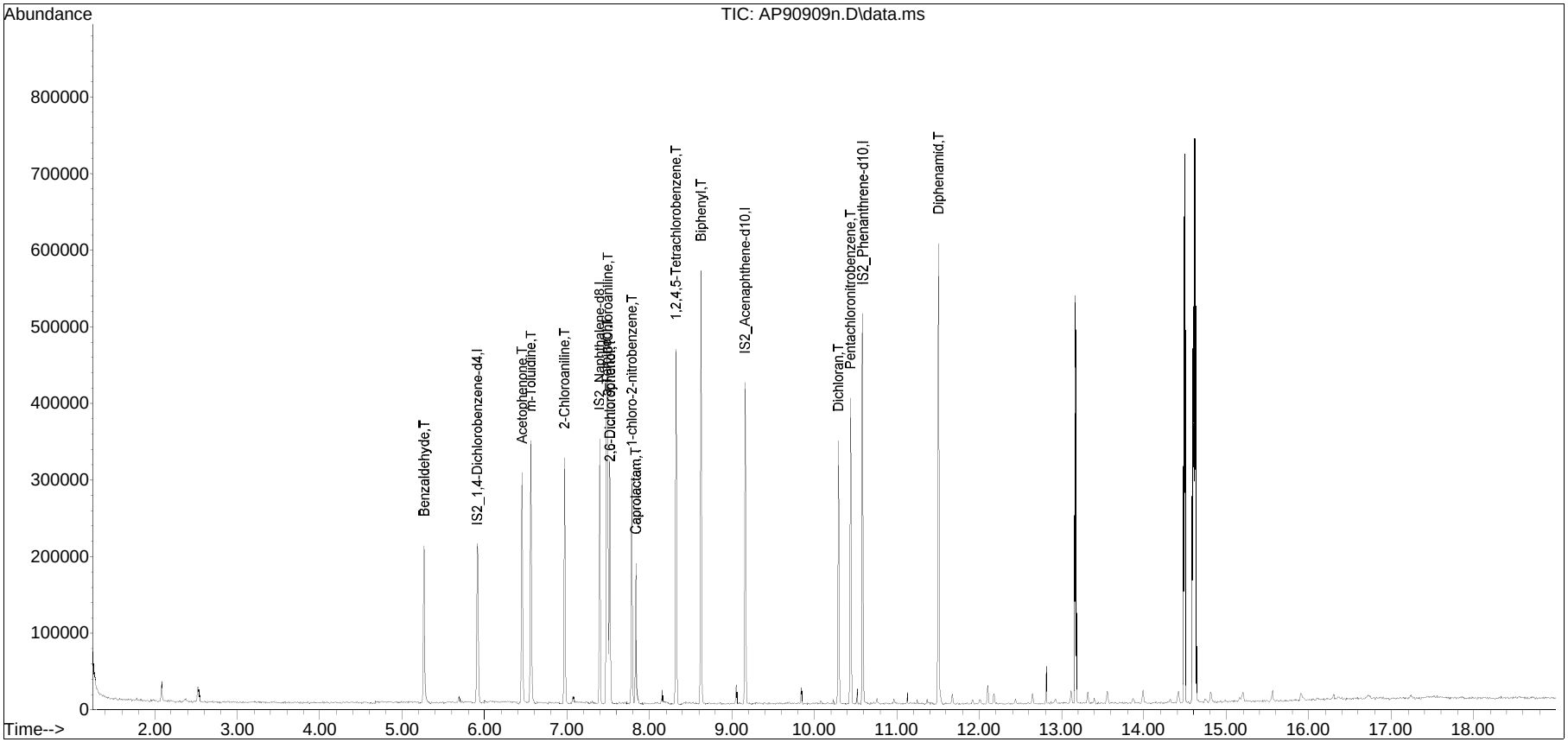
(#) = qualifier out of range (m) = manual integration (+) = signals summed

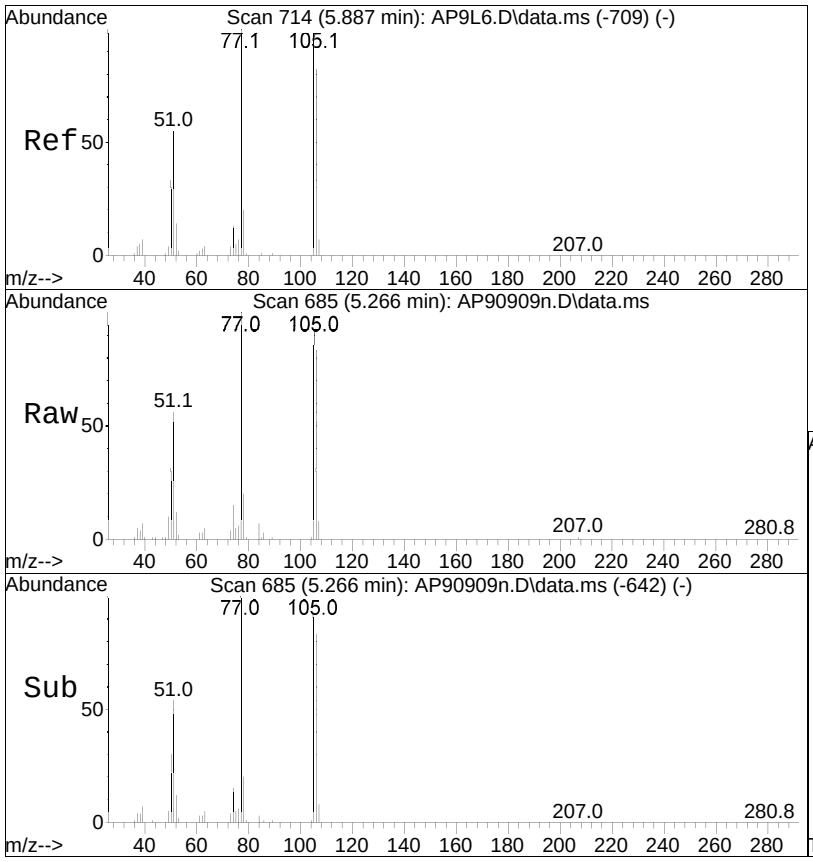
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : AP90909n.D
Acq On : 9 Sep 2024 11:42 pm
Operator : SV106:ljg
Sample : WG1968644-4,32,,AP9 RVT CCV Lot # 10909
Misc : WG1968644,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 00:03:31 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:04:07 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

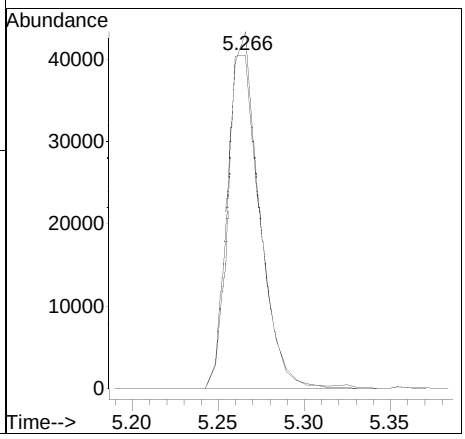


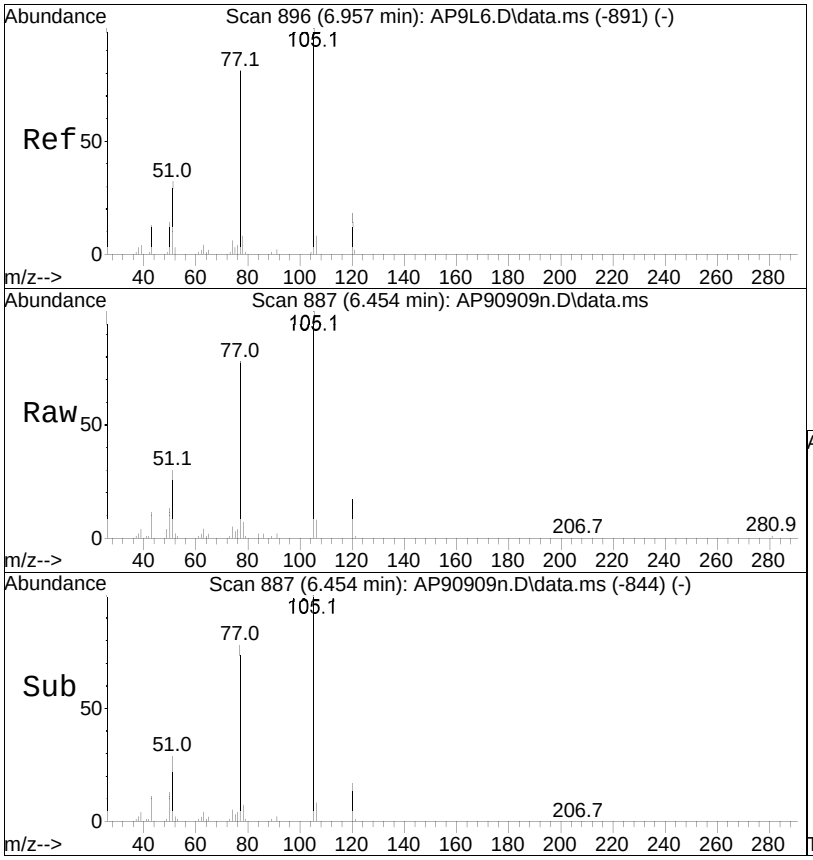


#28
Benzaldehyde
Concen: 4.96 ug/ml
RT: 5.266 min Scan# 685
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:105 Resp: 52630

Ion	Ratio	Lower	Upper
105	100		
77	103.9	82.2	123.4

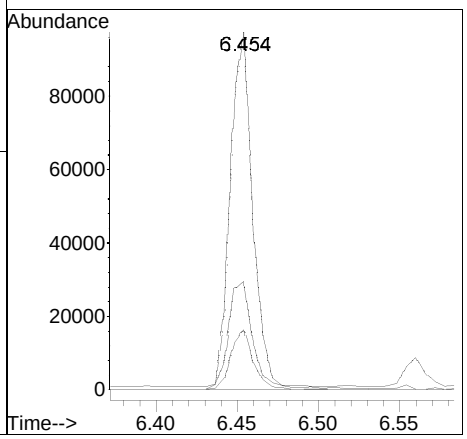


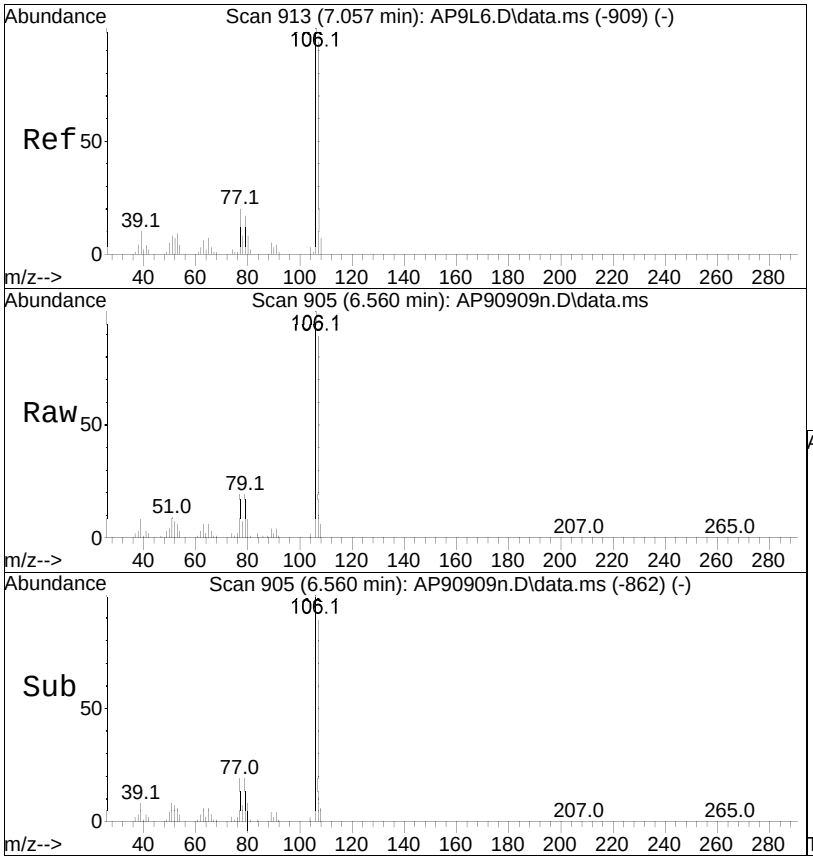


#29
Acetophenone
Concen: 4.82 ug/ml
RT: 6.454 min Scan# 887
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:105 Resp: 93104

Ion	Ratio	Lower	Upper
105	100		
120	16.7	20.5	30.7#
51	30.8	34.9	52.3#

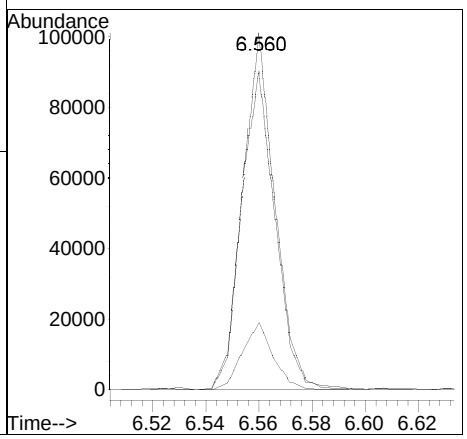


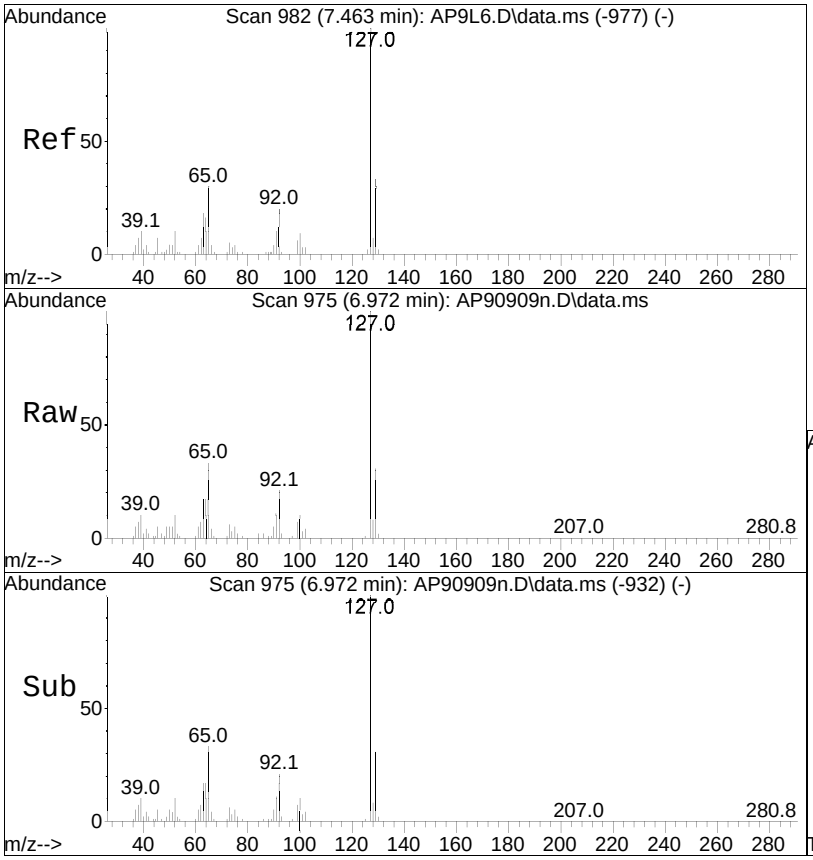


#30
m-Toluidine
Concen: 4.87 ug/ml
RT: 6.560 min Scan# 905
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:106 Resp: 85269

Ion	Ratio	Lower	Upper
106	100		
107	94.2	75.7	113.5
79	18.1	11.8	17.8#

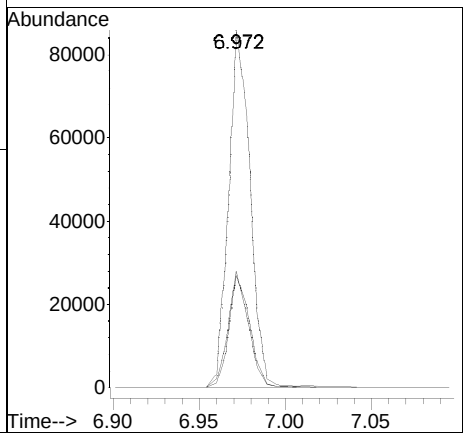


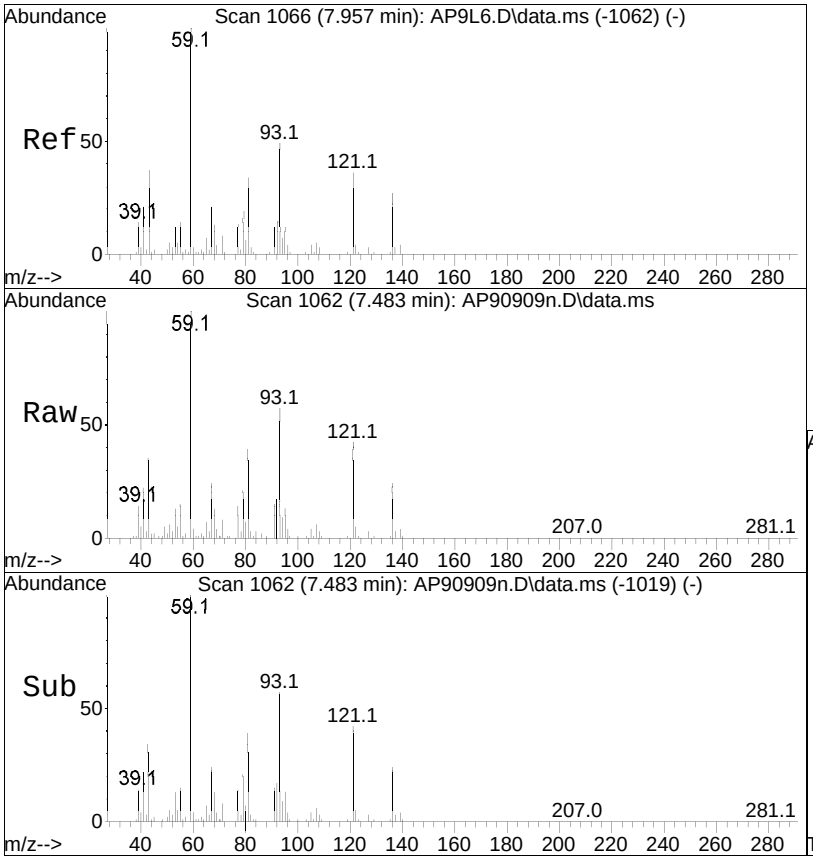


#31
2-Chloroaniline
Concen: 4.82 ug/ml
RT: 6.972 min Scan# 975
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:127 Resp: 73635

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.9	38.9
65	31.0	26.3	39.5

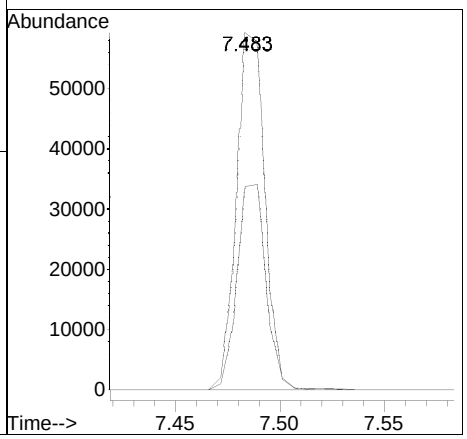


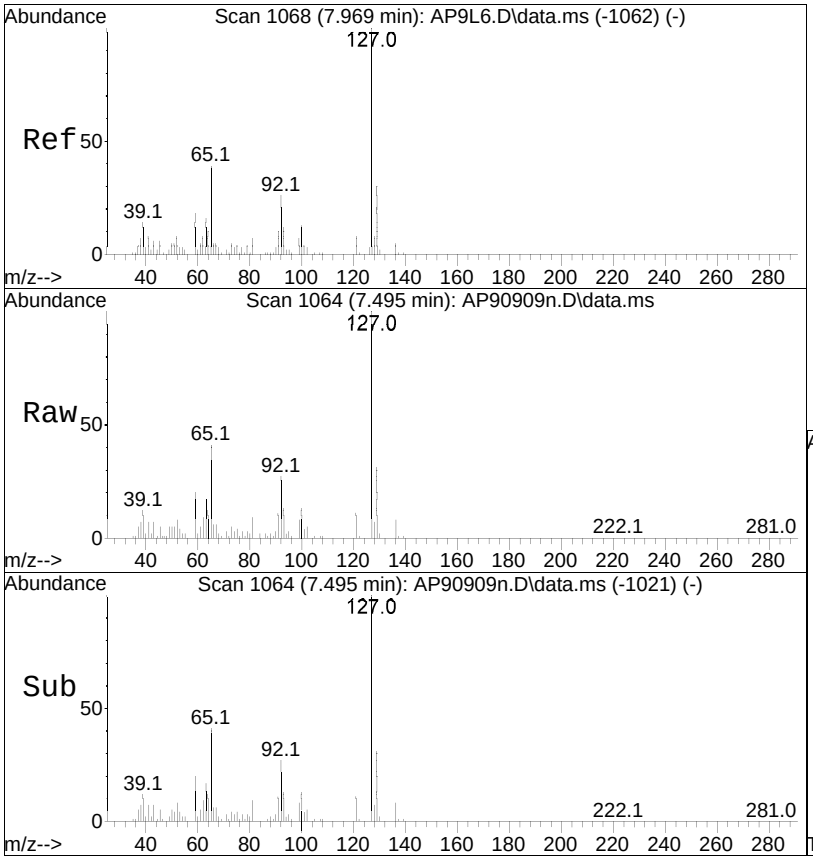


#56
a-Terpineol
Concen: 4.41 ug/ml
RT: 7.483 min Scan# 1062
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion: 59 Resp: 55683

Ion	Ratio	Lower	Upper
59	100		
93	58.8	35.6	53.4#

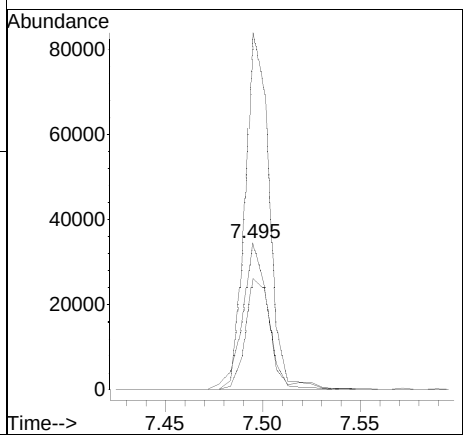


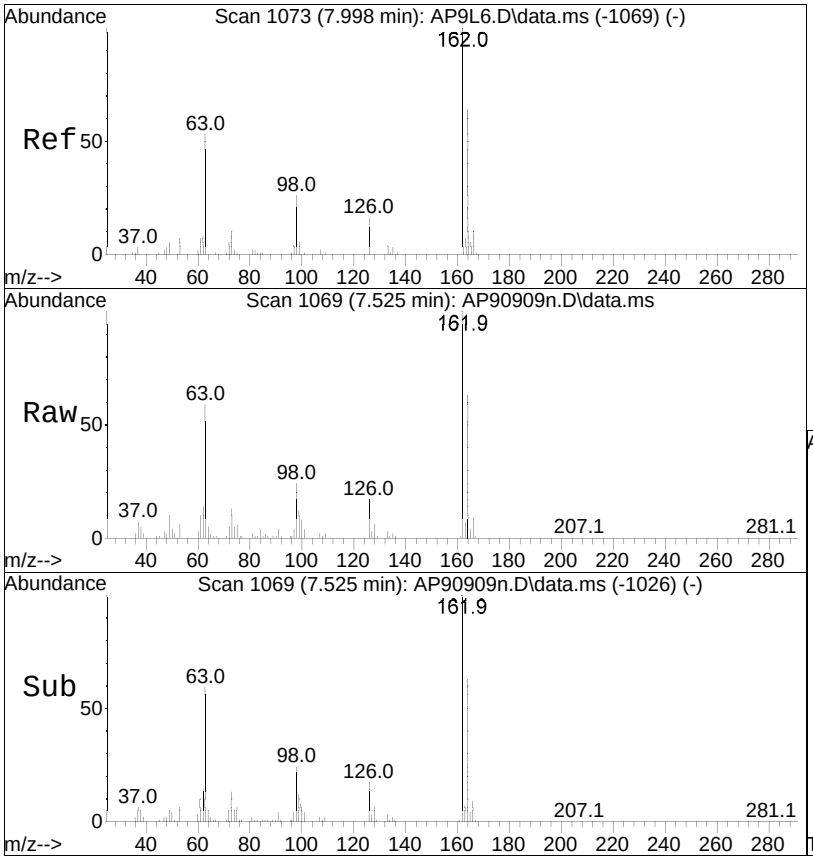


#57
3-Chloroaniline
Concen: 4.92 ug/ml
RT: 7.495 min Scan# 1064
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion: 65 Resp: 31172

Ion	Ratio	Lower	Upper
65	100		
127	229.9	243.2	364.8#
129	75.2	78.8	118.2#

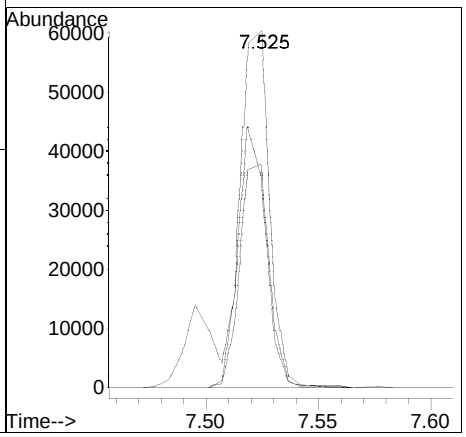


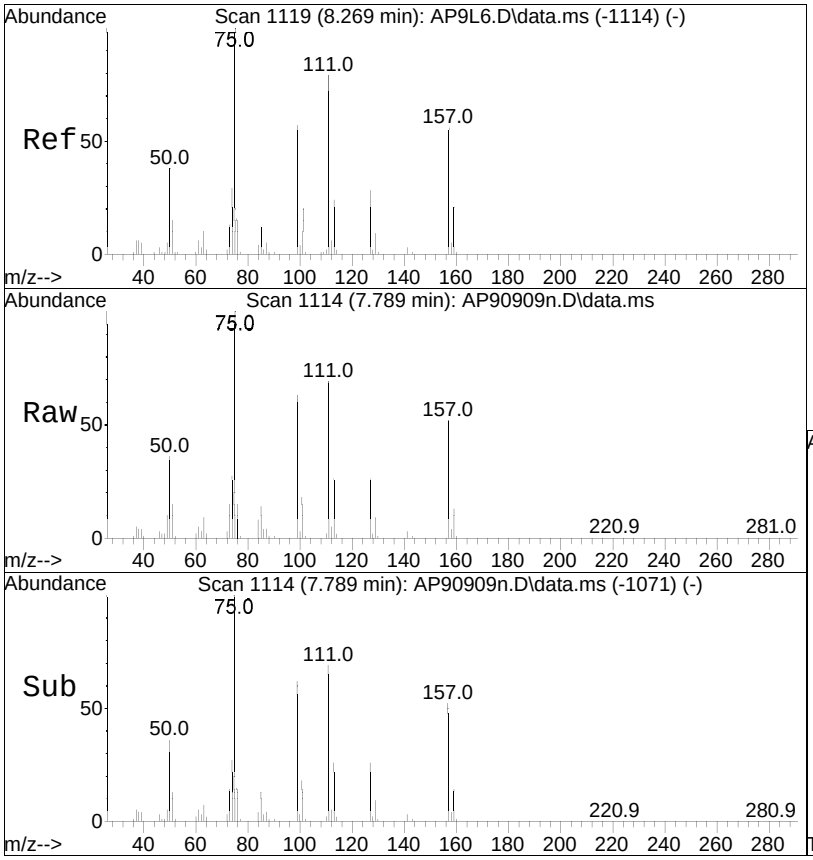


#58
2,6-Dichlorophenol
Concen: 4.79 ug/ml
RT: 7.525 min Scan# 1069
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:162 Resp: 54660

Ion	Ratio	Lower	Upper
162	100		
164	63.6	51.1	76.7
63	68.3	60.8	91.2

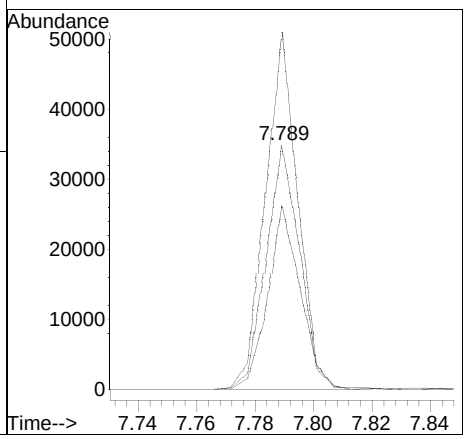


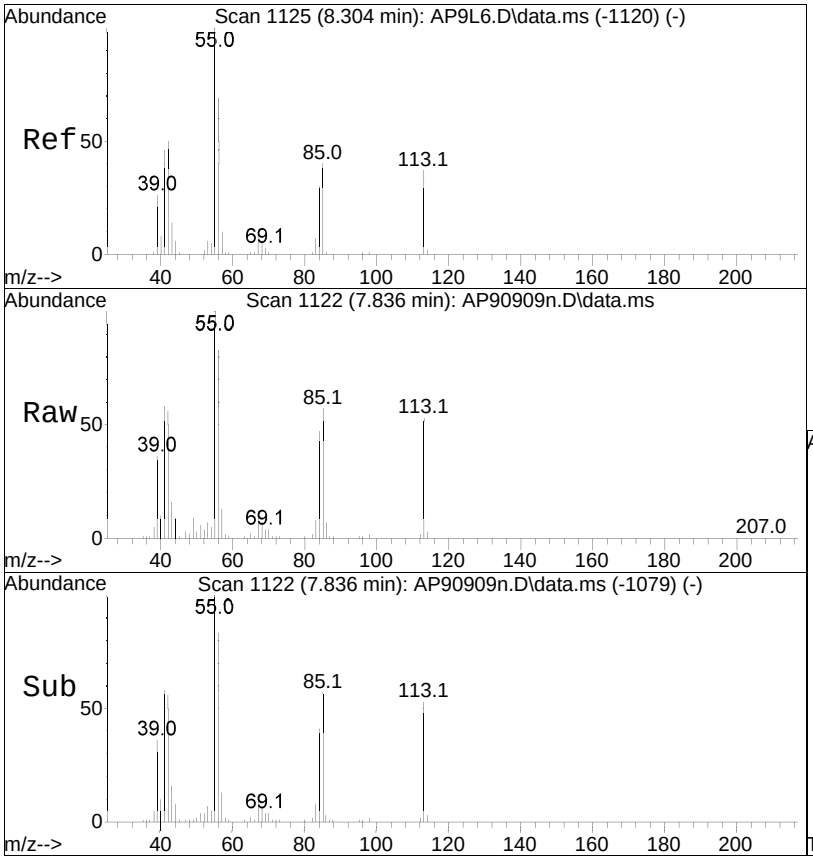


#59
1-chloro-2-nitrobenzene
Concen: 4.86 ug/ml
RT: 7.789 min Scan# 1114
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:111 Resp: 27655

Ion	Ratio	Lower	Upper
111	100		
157	73.3	0.0	0.0#
75	141.3	28.2	42.2#

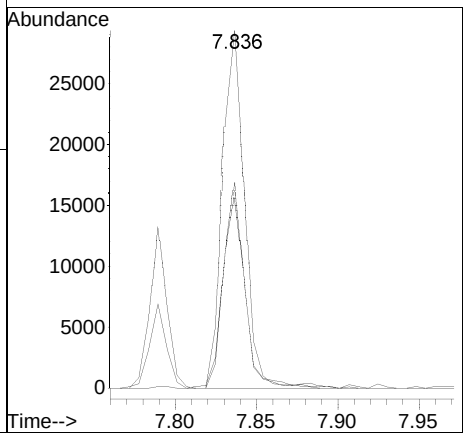


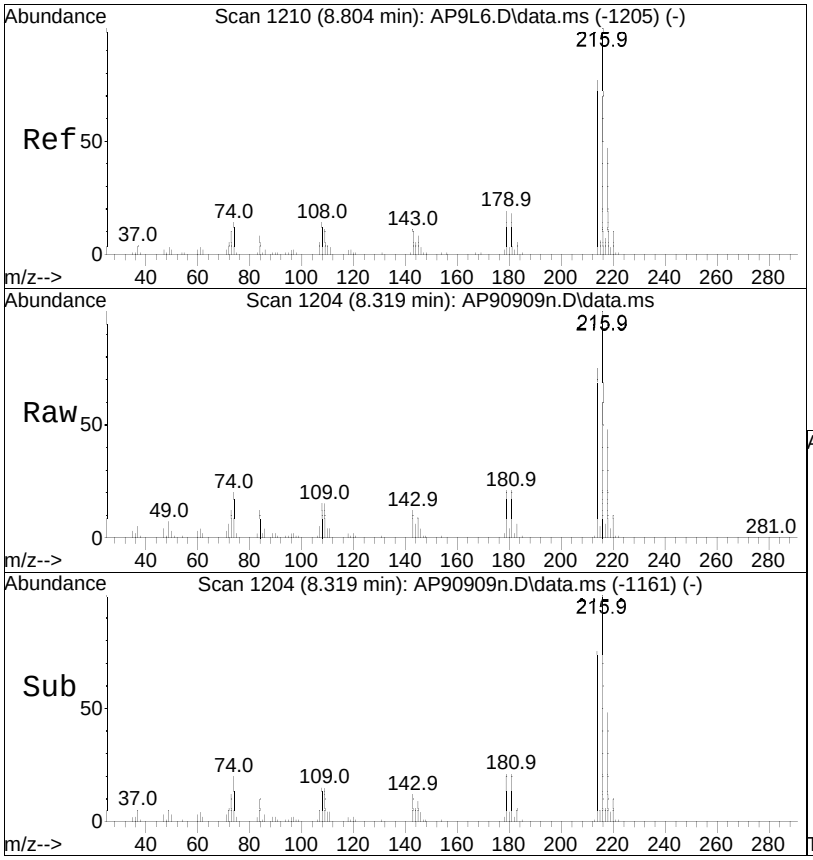


#60
Caprolactam
Concen: 4.20 ug/ml
RT: 7.836 min Scan# 1122
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion: 55 Resp: 27846

Ion	Ratio	Lower	Upper
55	100		
85	56.8	19.8	29.6#
113	52.7	29.6	44.4#

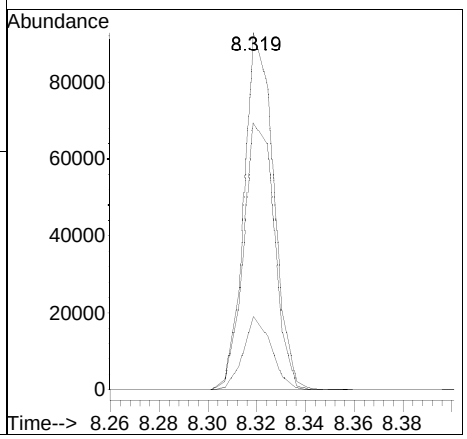


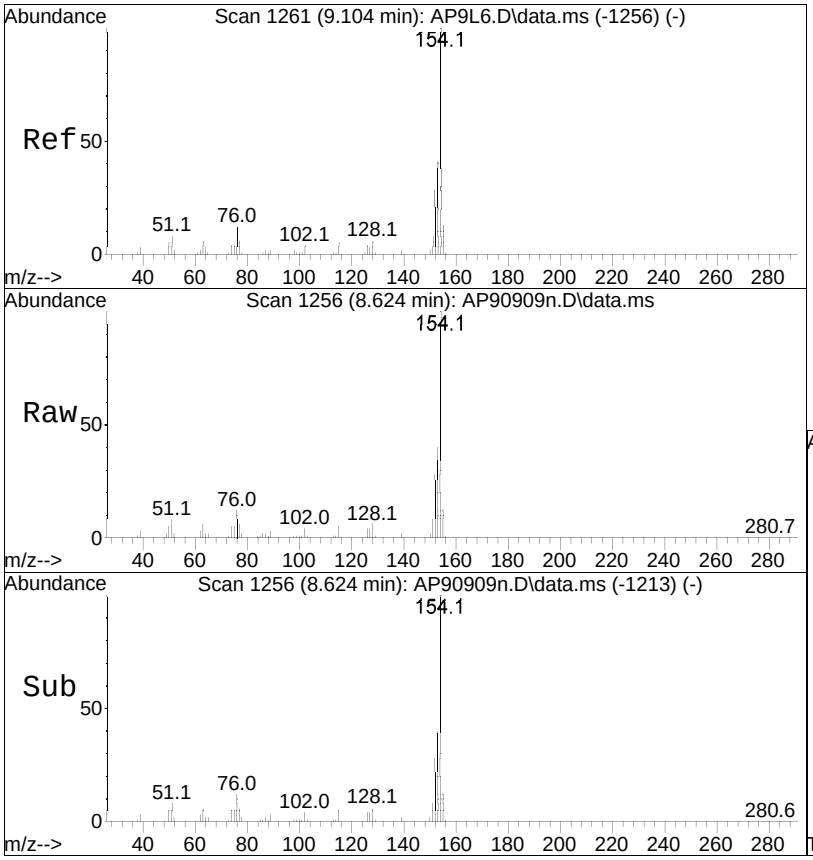


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.54 ug/ml
RT: 8.319 min Scan# 1204
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:216 Resp: 78602

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.7	95.5
179	19.7	19.0	28.6

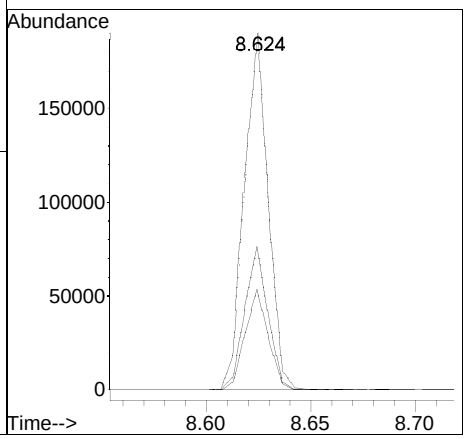


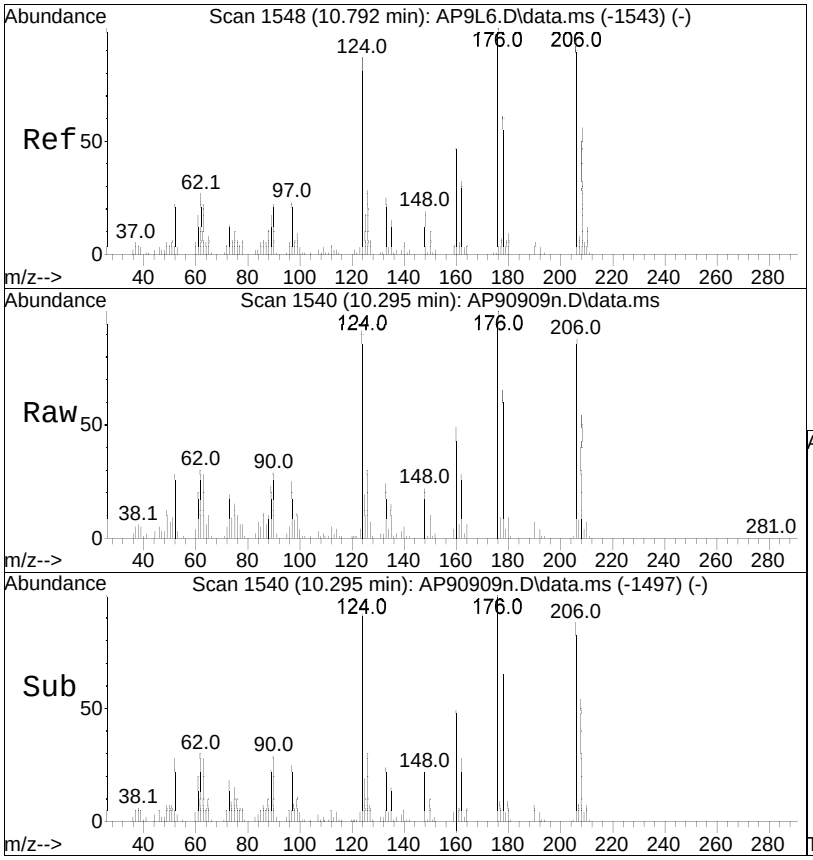


#62
Biphenyl
Concen: 4.39 ug/ml
RT: 8.624 min Scan# 1256
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:154 Resp: 150204

Ion	Ratio	Lower	Upper
154	100		
153	39.4	32.3	48.5
152	27.5	22.5	33.7

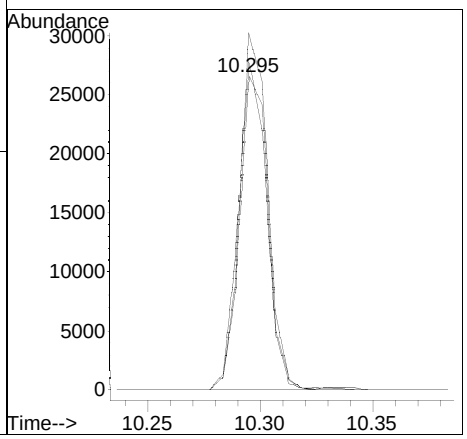


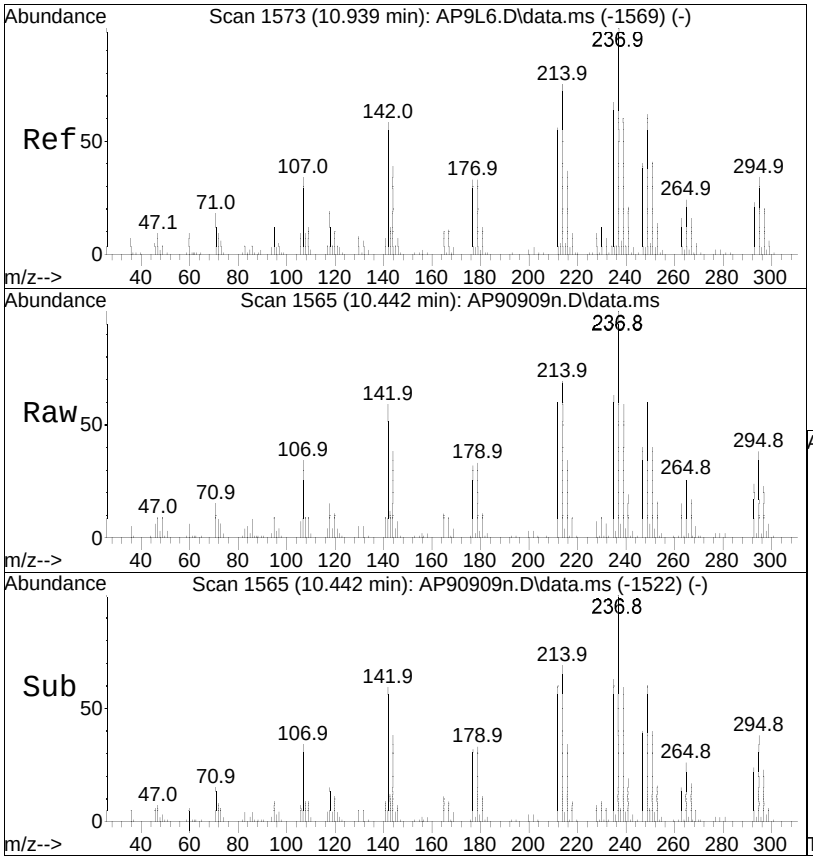


#84
Dichloran
Concen: 4.57 ug/ml
RT: 10.295 min Scan# 1540
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:206 Resp: 23563

Ion	Ratio	Lower	Upper
206	100		
176	110.8	104.6	157.0
124	101.5	130.5	195.7#

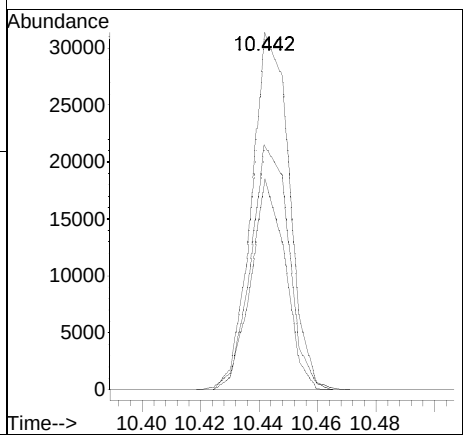


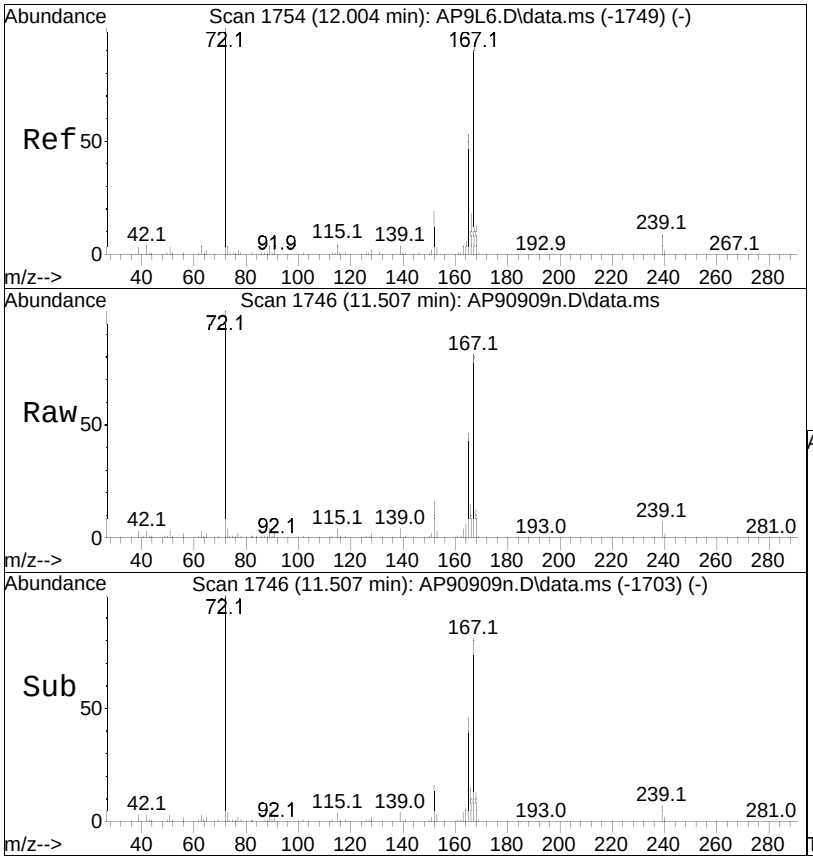


#85
Pentachloronitrobenzene
Concen: 4.97 ug/ml
RT: 10.442 min Scan# 1565
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:237 Resp: 28024

Ion	Ratio	Lower	Upper
237	100		
142	54.7	77.0	115.4#
214	68.8	58.2	87.4

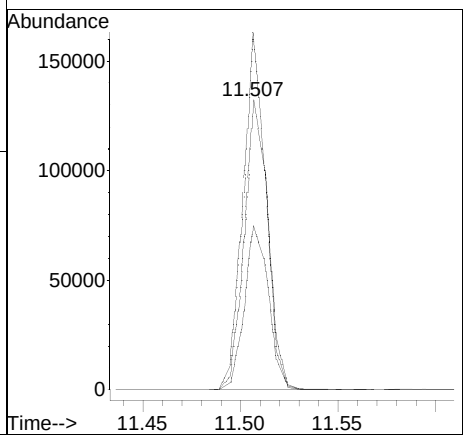




#99
Diphenamid
Concen: 4.41 ug/ml
RT: 11.507 min Scan# 1746
Delta R.T. 0.000 min
Lab File: AP90909n.D
Acq: 9 Sep 2024 11:42 pm

Tgt Ion:167 Resp: 111426

Ion	Ratio	Lower	Upper
167	100		
72	116.6	109.7	164.5
165	57.5	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\240909NRVT\	QMethod	: FS240624SV106.m
Data File	: AP90909n.D	Operator	: SV106:ljg
Date Inj'd	: 9/9/2024 11:42 pm	Instrument	: SV 106
Sample	: WG1968644-4,32,,AP9 RVT CC	Quant Date	: 9/10/2024 0:04 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : ADP0909n.D
Acq On : 10 Sep 2024 12:06 am
Operator : SV106:ljg
Sample : WG1968644-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1968644,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 00:32:29 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:33:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
33	t	1,4-Dioxane	0.584	0.512	12.3	115	0.00
34	T	n-Decane	1.662	1.421	14.5	102	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	107	0.00
87	T	Atrazine	0.509	0.400	21.4#	92	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	96	0.00
101	T	n-Octadecane	0.498	0.395	20.7#	82	0.00
102	T	Parathion	0.124	0.117	5.6	99	0.00
103	T	3,3'-Dimethylbenzidine	0.791	0.749	5.3	90	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : ADP0909n.D
Acq On : 10 Sep 2024 12:06 am
Operator : SV106:ljg
Sample : WG1968644-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1968644,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 00:32:29 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:33:01 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	5.907	152	36164	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	9.160	164	81551	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	10.589	188	173380	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.325	88	23155	4.382	ug/ml#	88
34)	n-Decane	5.825	57	64258	4.276	ug/ml#	44
87)	Atrazine	10.389	200	40814	3.935	ug/ml	96
101)	n-Octadecane	10.607	57	85524	3.966	ug/ml#	1
102)	Parathion	11.389	109	25332	4.707	ug/ml	99
103)	3,3'-Dimethylbenzidine	12.642	212	162321	4.736	ug/ml	99

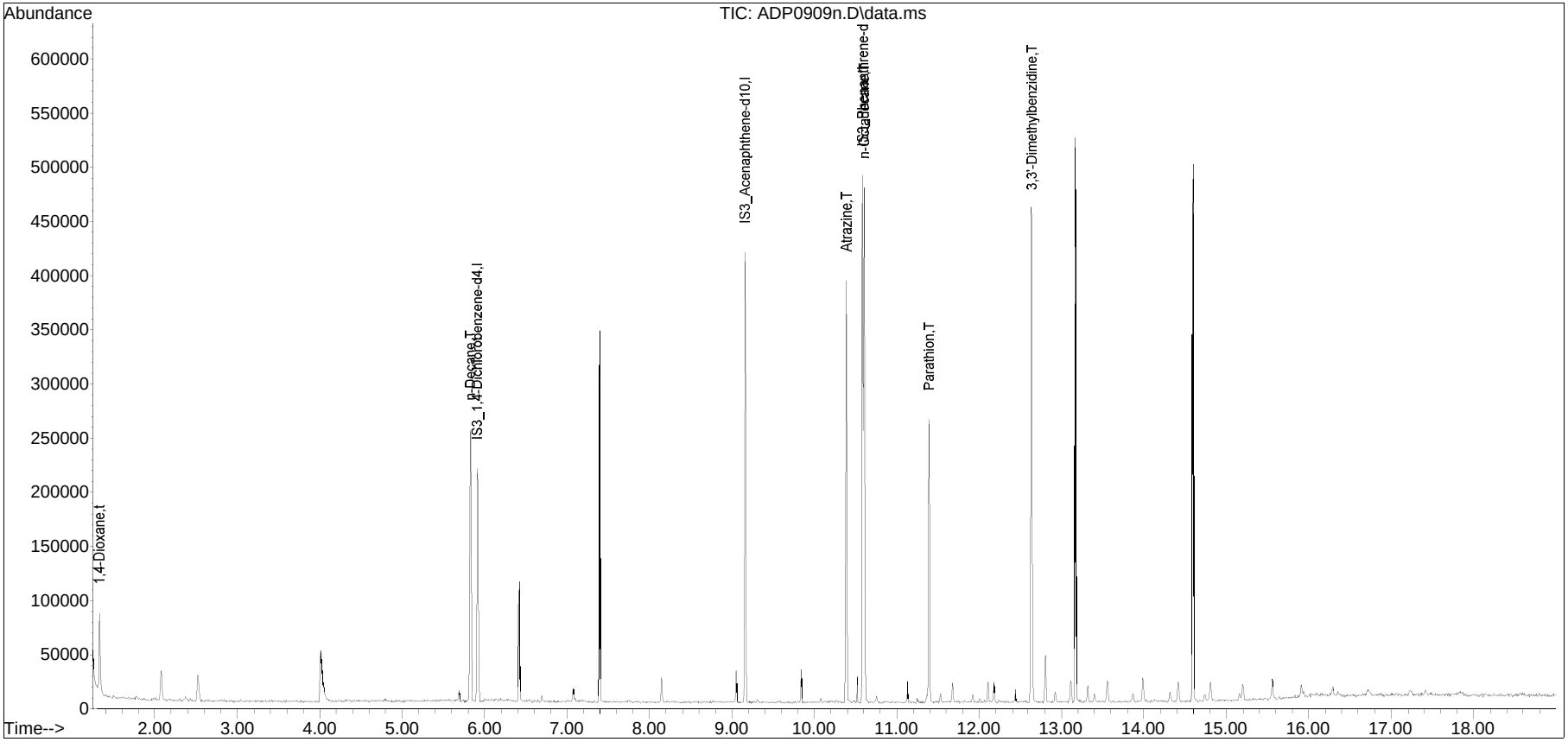
(#) = qualifier out of range (m) = manual integration (+) = signals summed

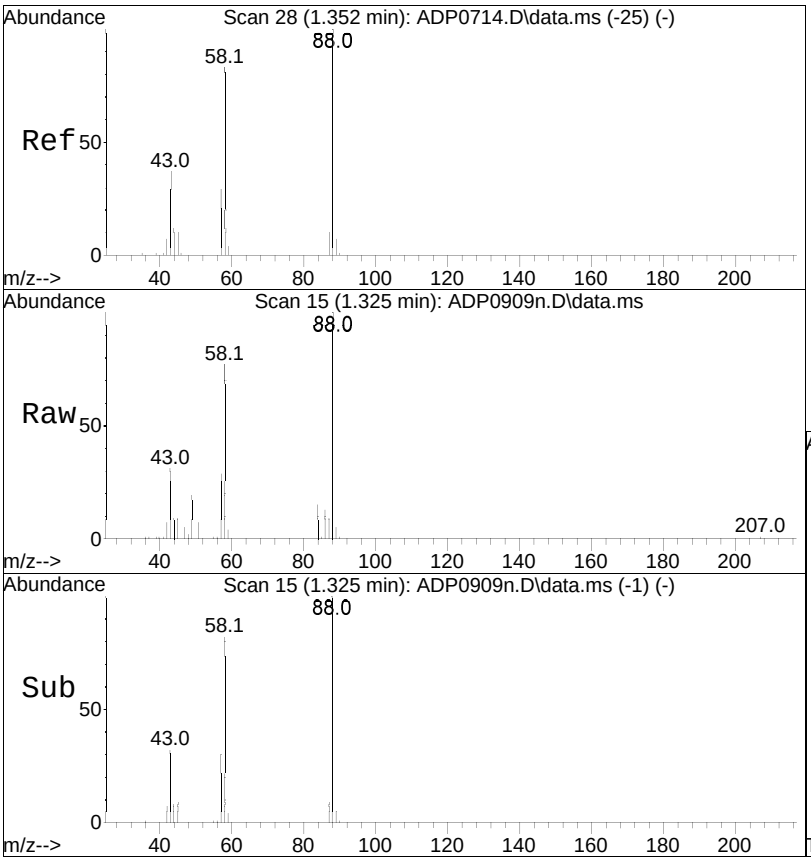
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : ADP0909n.D
Acq On : 10 Sep 2024 12:06 am
Operator : SV106:ljg
Sample : WG1968644-5,32,,ADP RVT CCV Lot # 10751
Misc : WG1968644,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 00:32:29 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:33:01 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

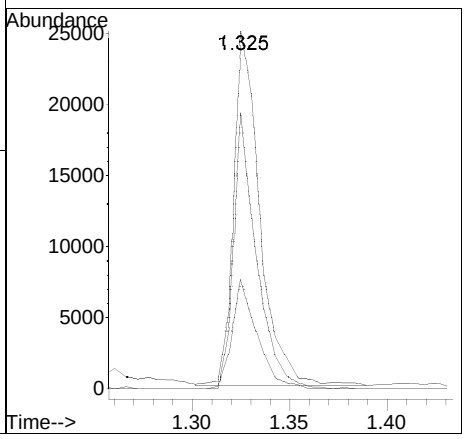


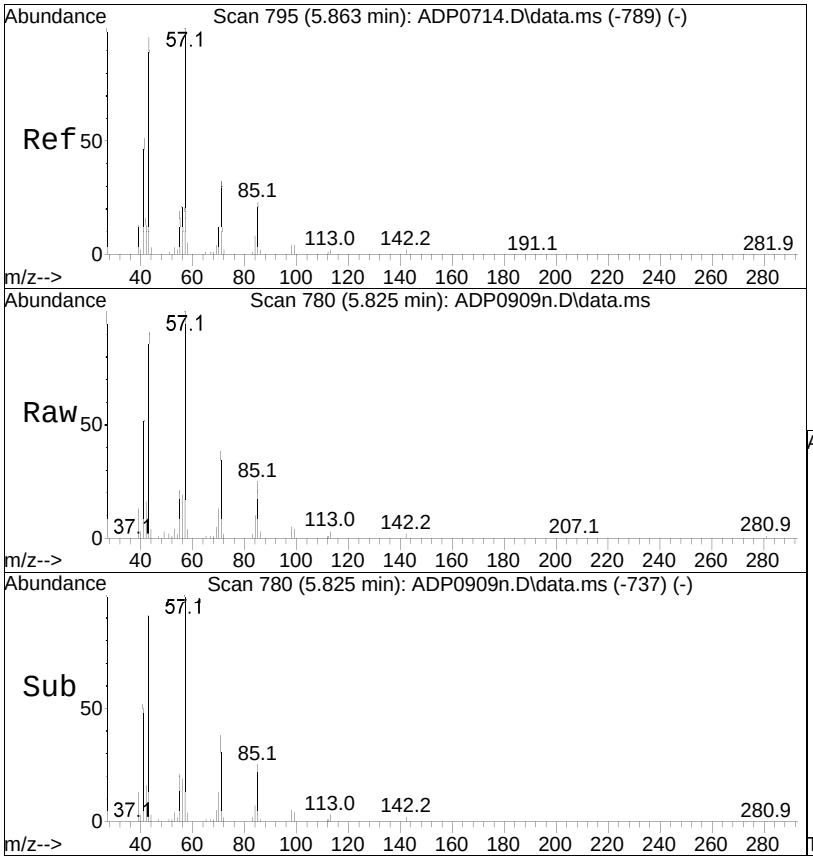


#33
1,4-Dioxane
Concen: 4.38 ug/ml
RT: 1.325 min Scan# 15
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion: 88 Resp: 23155

Ion	Ratio	Lower	Upper
88	100		
58	68.0	44.8	67.2#
43	29.5	22.4	33.6

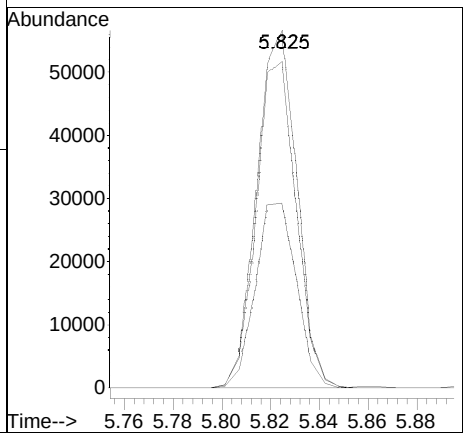


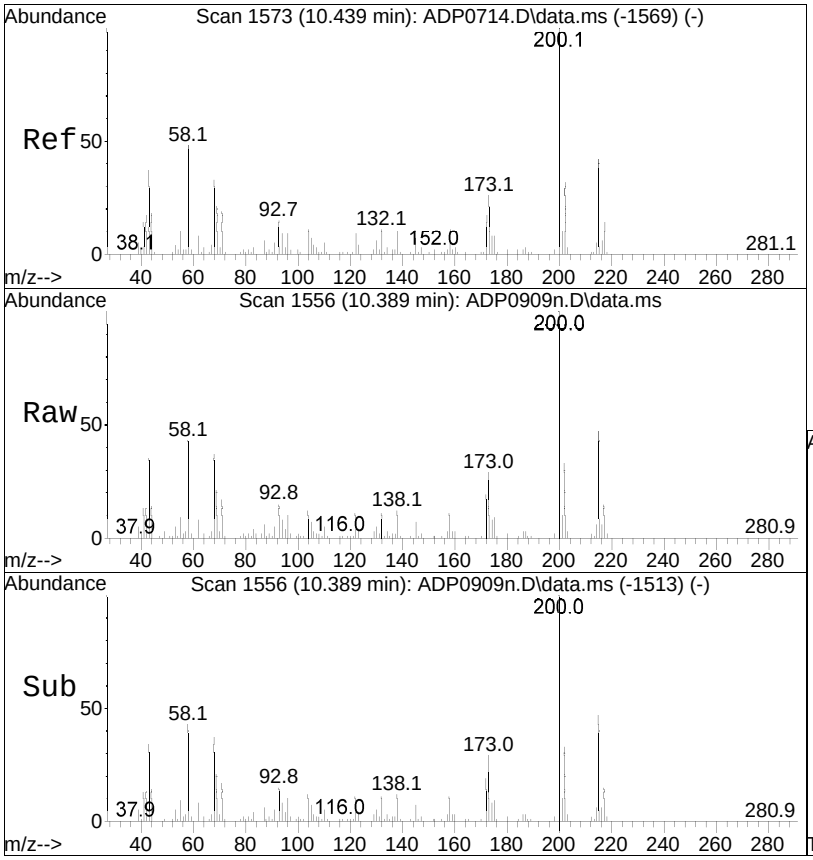


#34
n-Decane
Concen: 4.28 ug/ml
RT: 5.825 min Scan# 780
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion: 57 Resp: 64258

Ion	Ratio	Lower	Upper
57	100		
43	90.7	0.2	0.2#
41	53.2	0.2	0.2#

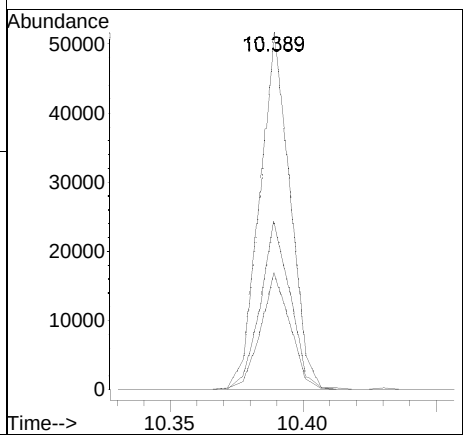


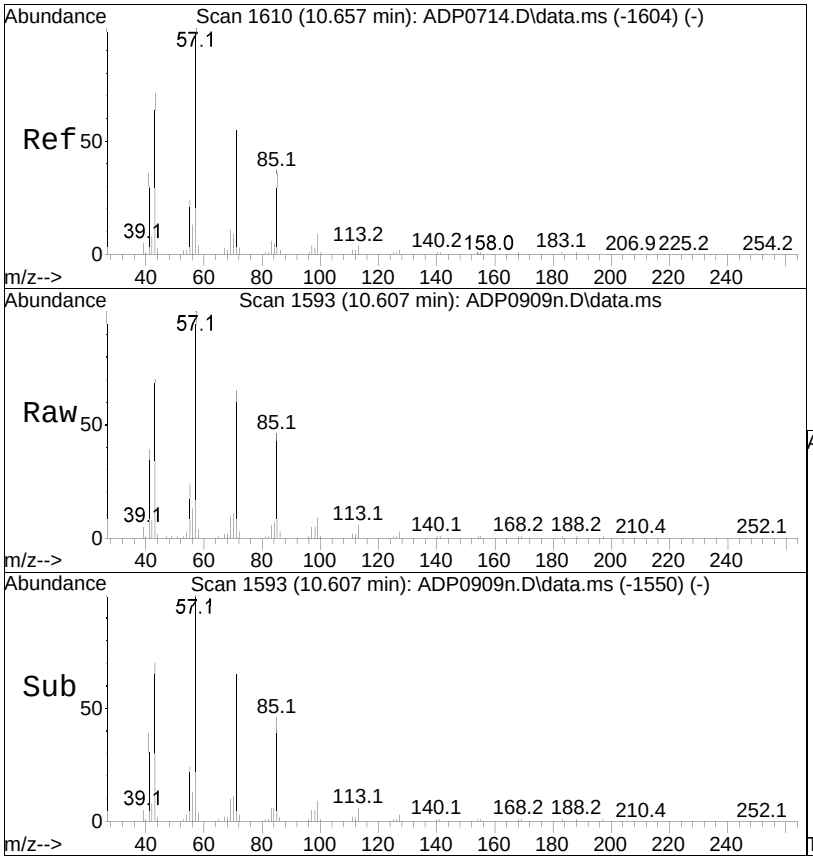


#87
Atrazine
Concen: 3.94 ug/ml
RT: 10.389 min Scan# 1556
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion:200 Resp: 40814

Ion	Ratio	Lower	Upper
200	100		
202	31.9	25.8	38.6
215	46.3	40.2	60.4

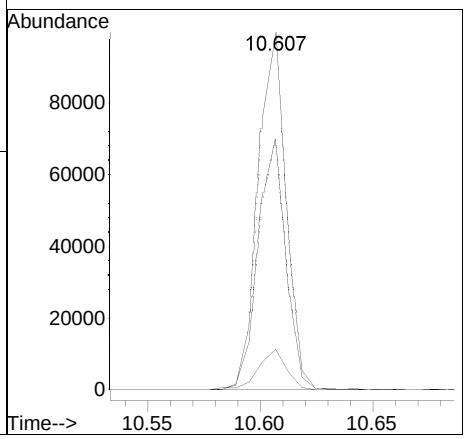


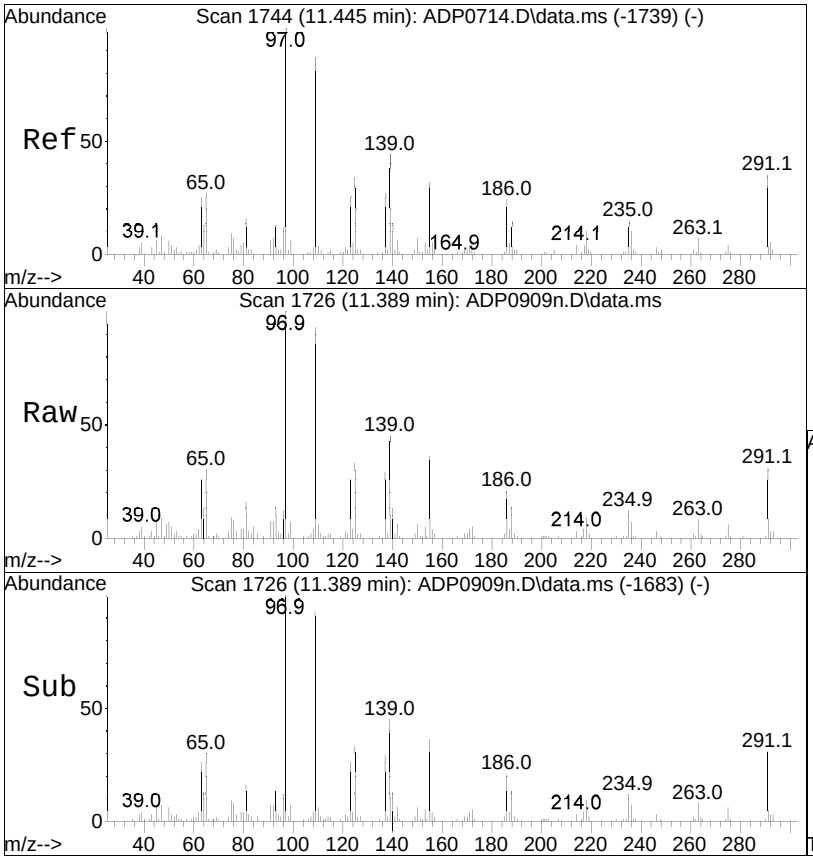


#101
n-Octadecane
Concen: 3.97 ug/ml
RT: 10.607 min Scan# 1593
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion: 57 Resp: 85524

Ion	Ratio	Lower	Upper
57	100		
43	70.3	9.0	13.6#
70	11.3	0.2	0.2#

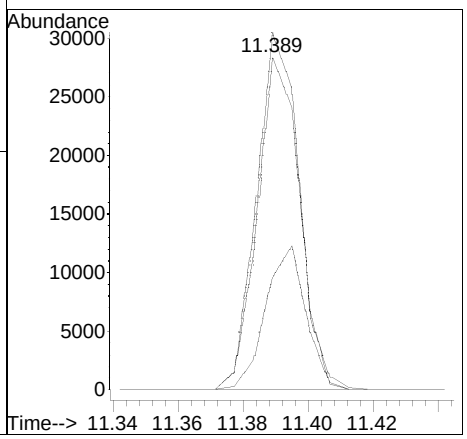


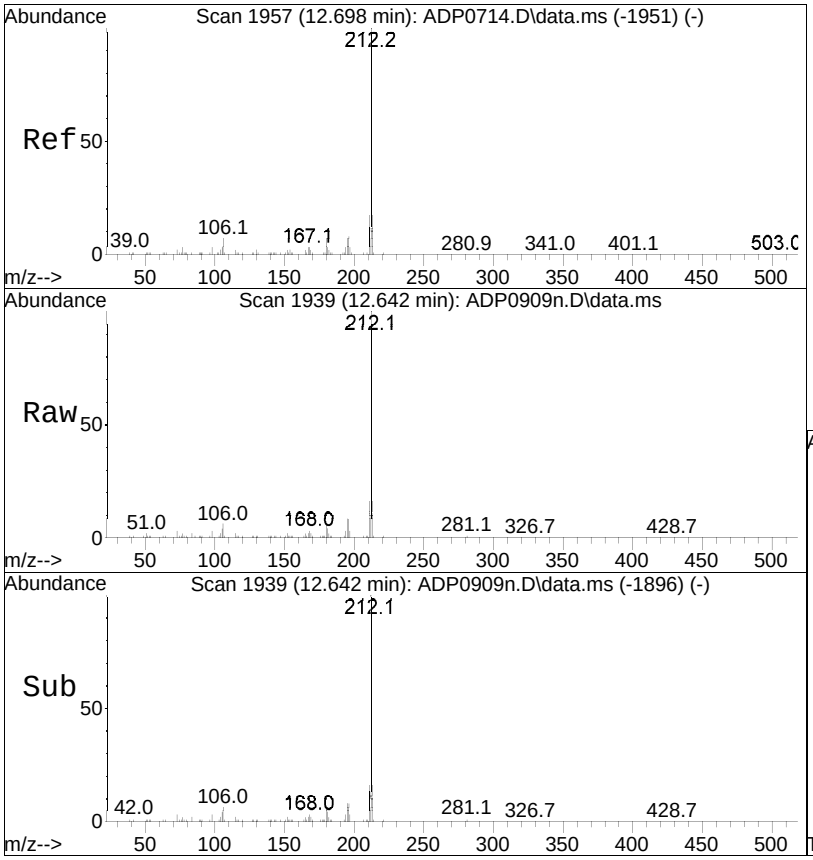


#102
Parathion
Concen: 4.71 ug/ml
RT: 11.389 min Scan# 1726
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion:109 Resp: 25332

Ion	Ratio	Lower	Upper
109	100		
97	108.5	87.4	131.2
291	41.6	34.2	51.2

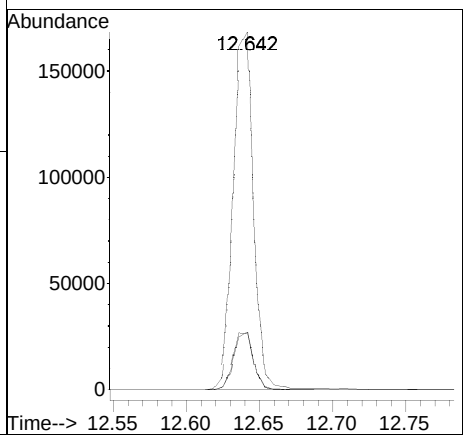




#103
3,3'-Dimethylbenzidine
Concen: 4.74 ug/ml
RT: 12.642 min Scan# 1939
Delta R.T. 0.000 min
Lab File: ADP0909n.D
Acq: 10 Sep 2024 12:06 am

Tgt Ion:212 Resp: 162321

Ion	Ratio	Lower	Upper
212	100		
211	15.6	12.9	19.3
213	15.8	13.2	19.8



Manual Integration Report

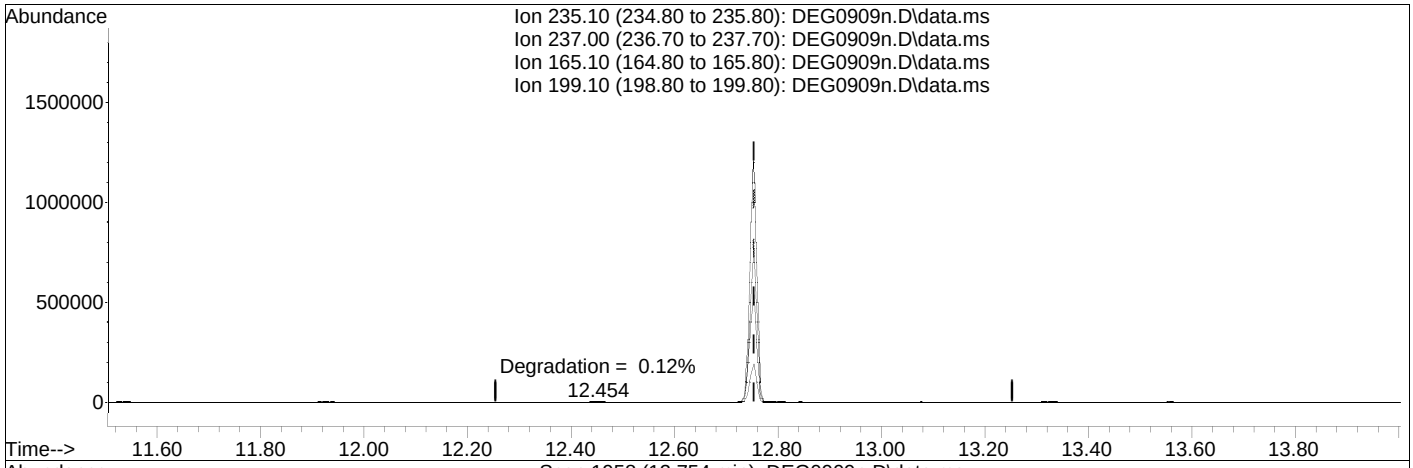
Data Path	: I:\8270\SV106\240909NRVT\	QMethod	: FS240624SV106.m
Data File	: ADP0909n.D	Operator	: SV106:ljg
Date Inj'd	: 9/10/2024 12:06 am	Instrument	: SV 106
Sample	: WG1968644-5,32,,ADP RVT CC	Quant Date	: 9/10/2024 0:33 am

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240909NRVT\
Data File : DEG0909n.D
Acq On : 9 Sep 2024 10:55 pm
Operator : SV106:ljg
Sample : WG1968644-2,32,,Degdftpp Lot # 10992
Misc : WG1968644,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 23:15:45 2024
Quant Method : I:\8270\SV106\240909NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:16:37 2024
Response via : Initial Calibration



CHROMtools [WG1968644-2,32,,Degdftpp Lot # 10992]

(6) DDT (T)

12.754min (-0.000) 176.85

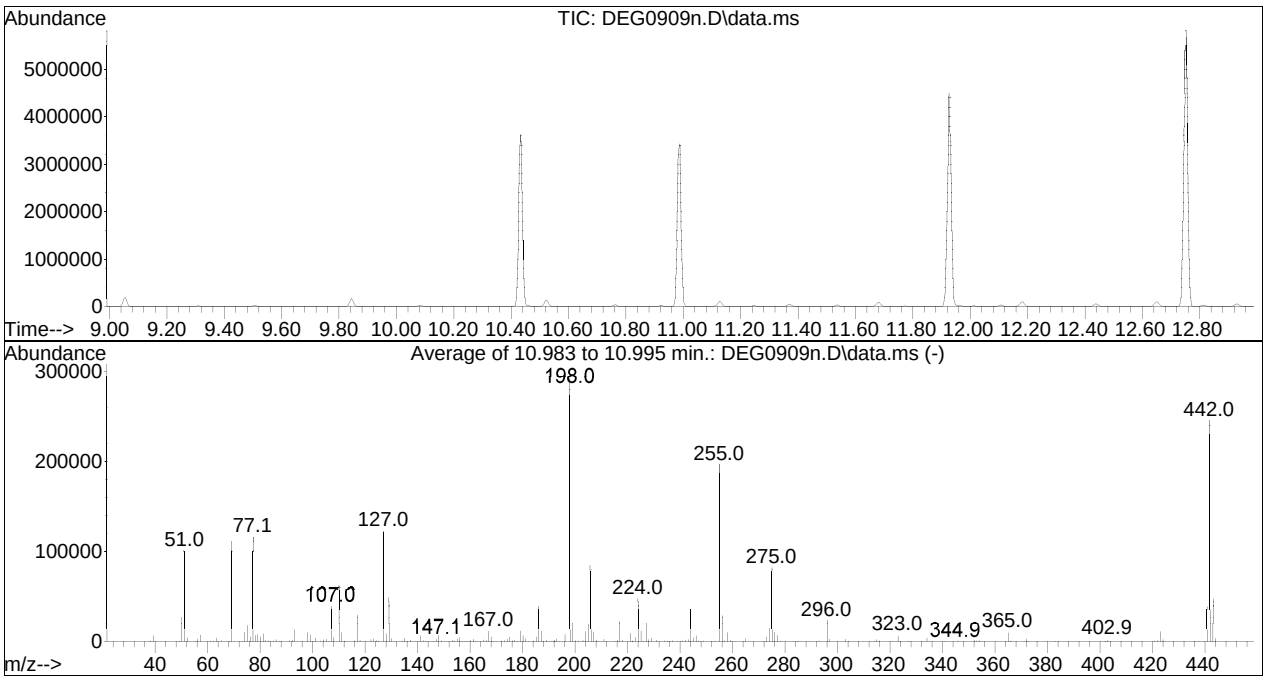
response 1078044

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	63.70
165.10	44.50	44.85
199.10	14.80	15.63

Data Path : I:\8270\SV106\240909NRVT\
Data File : DEG0909n.D
Acq On : 9 Sep 2024 10:55 pm
Operator : SV106: ASK
Sample : WG1968644-1,32,,Degdftpp Lot # 10992
Misc : WG1968644,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Sep 10 00:04:06 2024



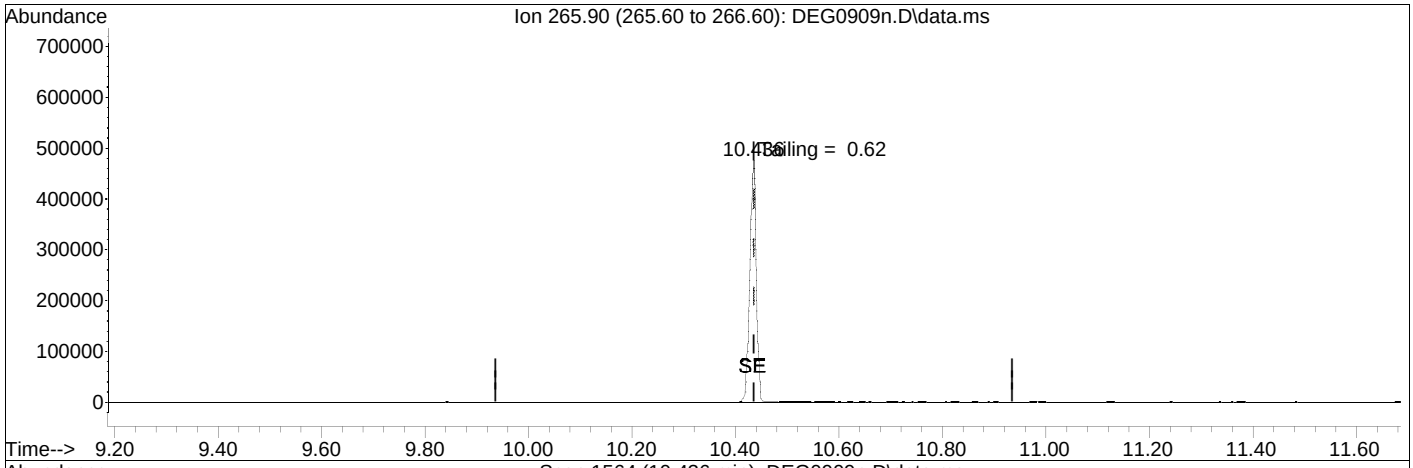
Spectrum Information: Average of 10.983 to 10.995 min.

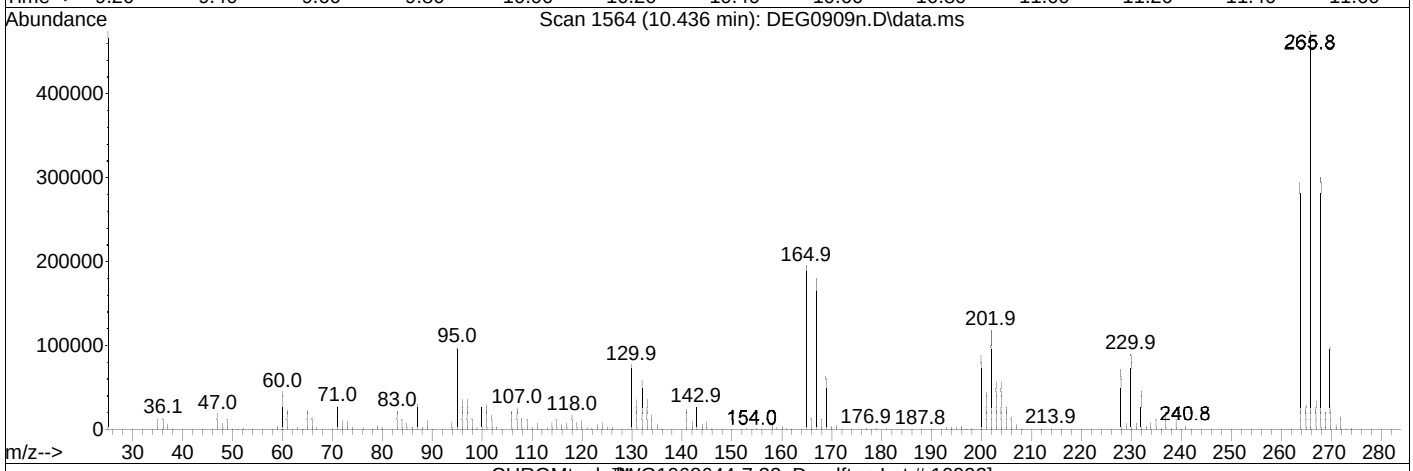
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.3	100681	PASS
68	69	0.00	2	1.1	1217	PASS
69	69	100	100	100.0	110939	PASS
70	69	0.00	2	0.6	626	PASS
127	198	10	80	41.7	122141	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	293181	PASS
199	198	5	9	6.9	20365	PASS
275	198	10	60	27.8	81573	PASS
365	198	1	100	3.4	10034	PASS
441	442	0.01	24	15.6	38331	PASS
442	198	50	100	83.7	245397	PASS
443	442	15	24	19.3	47259	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240909NRVT\
Data File : DEG0909n.D
Acq On : 9 Sep 2024 10:55 pm
Operator : SV106:ljg
Sample : WG1968644-7,32,,Degdftpp Lot # 10992
Misc : WG1968644,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 23:15:45 2024
Quant Method : I:\8270\SV106\240909NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:16:37 2024
Response via : Initial Calibration





CHROMtools [WG1968644-7,32,,Degdftpp Lot # 10992]

(1) Pentachlorophenol (T)

10.436min (+ 0.000) 186.01

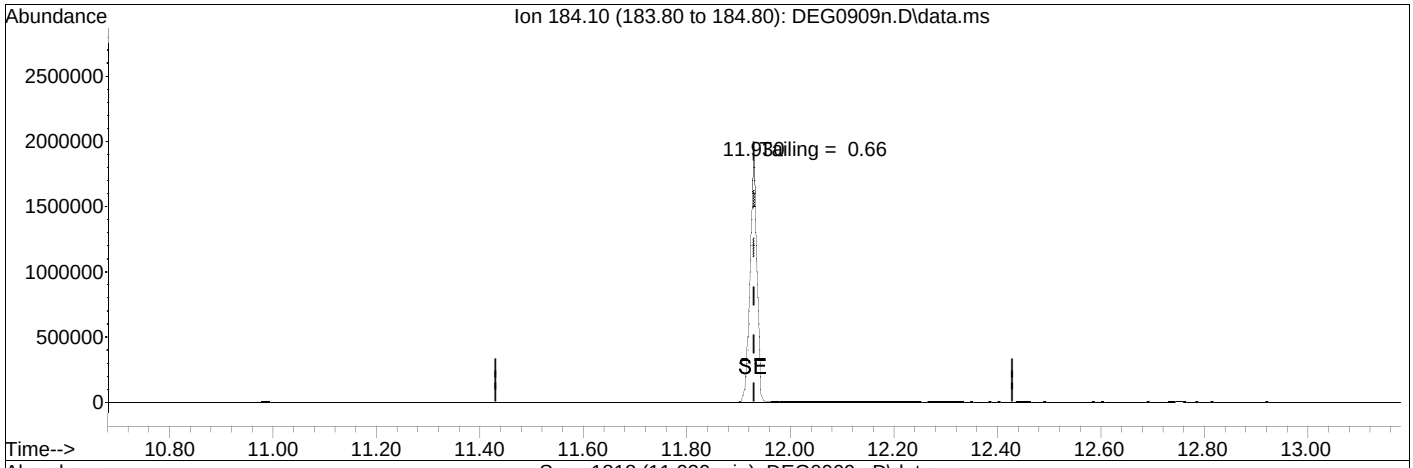
response 390684

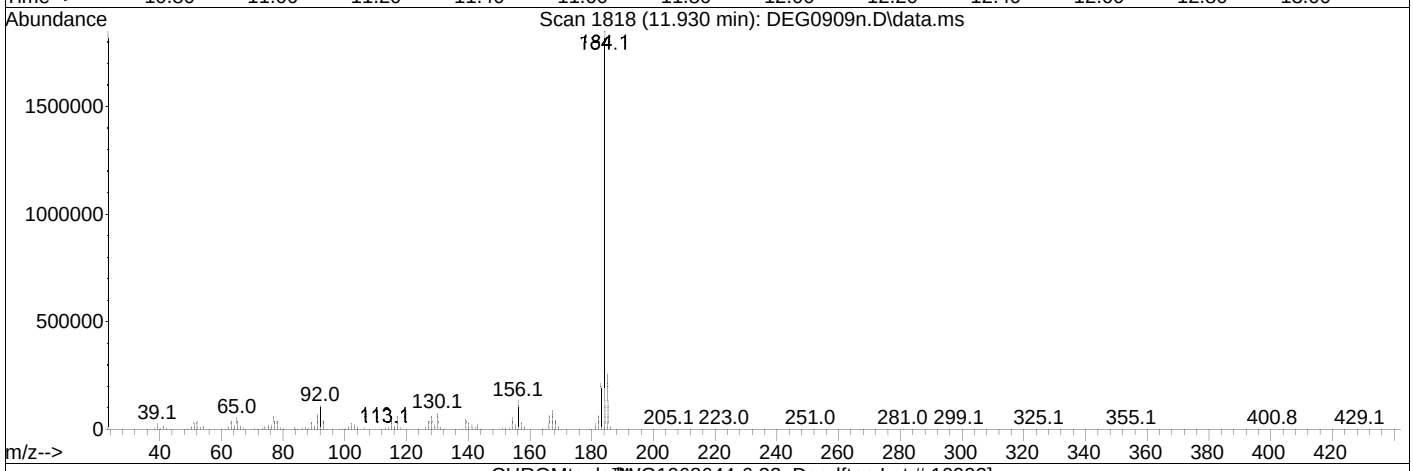
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240909NRVT\
Data File : DEG0909n.D
Acq On : 9 Sep 2024 10:55 pm
Operator : SV106:ljg
Sample : WG1968644-6,32,,Degdftpp Lot # 10992
Misc : WG1968644,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 09 23:15:45 2024
Quant Method : I:\8270\SV106\240909NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 23:16:37 2024
Response via : Initial Calibration





CHROMtools [WG1968644-6,32,,Degdftpp Lot # 10992]

(3) Benzidine (T)

11.930min (+ 0.000) 163.74

response 1666836

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	150	0
n-Nitrosodimethylamine	0.657	0.653	-	0.6	20	137	0
Pyridine	1.043	1.014	-	2.8	20	129	0
2-Fluorophenol	1.05	1.012	-	3.6	20	142	0
Aniline	1.811	1.642	-	9.3	20	140	0
2-Chlorophenol	1.251	1.181	-	5.6	20	145	0
Phenol-d6	1.357	1.299	-	4.3	20	143	0
Phenol	1.577	1.372	-	13	20	132	0
Bis(2-chloroethyl)ether	1.167	1.096	-	6.1	20	147	0
1,3-Dichlorobenzene	1.508	1.394	-	7.6	20	141	0
1,4-Dichlorobenzene	1.575	1.421	-	9.8	20	144	0
1,2-Dichlorobenzene	1.475	1.369	-	7.2	20	144	0
Benzyl alcohol	0.945	0.976	-	-3.3	20	155	0
Bis(2-chloroisopropyl)ethe	1.475	1.496	-	-1.4	20	158	0
2-Methylphenol	1.056	1.045	-	1	20	150	0
Hexachloroethane	0.558	0.542	-	2.9	20	150	0
n-Nitrosodi-n-propylamine	0.865	0.874	-	-1	20	156	0
3-Methylphenol/4-Methylphe	1.15	1.146	-	0.3	20	148	0
Nitrobenzene-d5	1.294	1.275	-	1.5	20	149	0
Nitrobenzene	1.289	1.272	-	1.3	20	149	0
Isophorone	2.328	2.362	-	-1.5	20	157	0
2-Nitrophenol	0.574	0.691	-	-20.4*	20	181	0
2,4-Dimethylphenol	1.101	1.132	-	-2.8	20	170	0
Bis(2-chloroethoxy)methane	1.567	1.506	-	3.9	20	155	0
2,4-Dichlorophenol	1.153	1.173	-	-1.7	20	157	0
1,2,4-Trichlorobenzene	1.46	1.326	-	9.2	20	150	0
IS1_Naphthalene-d8	1	1	-	0	20	150	0
Naphthalene	1.049	0.96	-	8.5	20	145	0
Benzoic Acid	5	6.386	-	-27.7*	20	234	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	155	0
Hexachlorobutadiene	0.246	0.23	-	6.5	20	153	0
p-Chloro-m-cresol	0.277	0.307	-	-10.8	20	171	0
2-Methylnaphthalene	0.713	0.669	-	6.2	20	155	0
1-Methylnaphthalene	0.245	0.226	-	7.8	20	156	0
Hexachlorocyclopentadiene	0.251	0.287	-	-14.3	20	191	0
2,4,6-Trichlorophenol	0.256	0.274	-	-7	20	165	0
2,4,5-Trichlorophenol	0.262	0.303	-	-15.6	20	176	0
2-Fluorobiphenyl	0.904	0.858	-	5.1	20	157	0
2-Chloronaphthalene	0.759	0.713	-	6.1	20	154	0
2-Nitroaniline	0.2	0.235	-	-17.5	20	185	0
1,4-Dinitrobenzene	0.098	0.125	-	-27.6*	20	197	0
1,3-Dinitrobenzene	0.114	0.142	-	-24.6*	20	193	0
Dimethyl phthalate	0.923	0.971	-	-5.2	20	176	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.137	-	-1.5	20	161	0
2,6-Dinitrotoluene	0.173	0.208	-	-20.2*	20	191	0
1,2-Dinitrobenzene	0.076	0.087	-	-14.5	20	186	0
IS1_Acenaphthene-d10	1	1	-	0	20	168	0
3-Nitroaniline	0.299	0.328	-	-9.7	20	178	0
Acenaphthene	1.115	1.004	-	10	20	162	0
2,4-Dinitrophenol	5	7.021	-	-40.4*	20	266	0
Dibenzofuran	1.837	1.668	-	9.2	20	162	0
2,4-Dinitrotoluene	0.383	0.448	-	-17	20	193	0
4-Nitrophenol	0.29	0.279	-	3.8	20	164	0
2,3,5,6-Tetrachlorophenol	0.377	0.446	-	-18.3	20	193	0
2,3,4,6-Tetrachlorophenol	0.37	0.417	-	-12.7	20	192	0
Diethyl phthalate	1.487	1.509	-	-1.5	20	189	0
Fluorene	1.431	1.339	-	6.4	20	167	0
4-Chlorophenyl phenyl ethe	0.78	0.712	-	8.7	20	173	0
4-Nitroaniline	0.314	0.342	-	-8.9	20	172	0
4,6-Dinitro-o-cresol	5	6.336	-	-26.7*	20	258	0
NDPA/DPA	1.231	1.199	-	2.6	20	174	0
Azobenzene	1.305	1.256	-	3.8	20	167	0
2,4,6-Tribromophenol	0.257	0.291	-	-13.2	20	207	0
4-Bromophenyl phenyl ether	0.5	0.492	-	1.6	20	187	0
Hexachlorobenzene	0.628	0.597	-	4.9	20	189	0
Pentachlorophenol	0.322	0.4	-	-24.2*	20	222	0
IS1_Phenanthrene-d10	1	1	-	0	20	186	0
Phenanthrene	1.058	0.942	-	11	20	173	0
Anthracene	1.035	0.96	-	7.2	20	179	0
Carbazole	0.948	0.9	-	5.1	20	176	0
Di-n-butylphthalate	1.034	1.169	-	-13.1	20	221	0
Fluoranthene	1.228	1.178	-	4.1	20	186	0
Benzidine	0.675	0.766	-	-13.5	20	203	0
Pyrene	1.301	1.252	-	3.8	20	180	0
4-Terphenyl-d14	1.029	0.976	-	5.2	20	189	0
Butyl benzyl phthalate	0.458	0.559	-	-22.1*	20	246	0
IS1_Chrysene-d12	1	1	-	0	20	189	0
Benzo(a)anthracene	1.284	1.226	-	4.5	20	186	0
3,3'-Dichlorobenzidine	0.468	0.492	-	-5.1	20	199	0
Chrysene	1.259	1.142	-	9.3	20	179	0
Bis(2-ethylhexyl)phthalate	0.639	0.812	-	-27.1*	20	251	0
Di-n-octylphthalate	0.979	1.365	-	-39.4*	20	260	0
Benzo(b)fluoranthene	1.317	1.347	-	-2.3	20	196	0
Benzo(k)fluoranthene	1.202	1.121	-	6.7	20	166	0
Benzo(a)pyrene	1.149	1.159	-	-0.9	20	186	0
IS1_Perylene-d12	1	1	-	0	20	189	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV112		**Calibration Date**	: 09/09/24 13:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1969270-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.998	-	10.7	20	165	0
Dibenzo(a,h)anthracene	1.068	1.017	-	4.8	20	178	0
Benzo(ghi)perylene	1.078	0.98	-	9.1	20	175	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 13:45		
Lab File ID	: AP90909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	143	0
Benzaldehyde	1.094	0.943	-	13.8	20	124	0
Acetophenone	1.903	1.639	-	13.9	20	117	0
m-Toluidine	1.828	1.588	-	13.1	20	118	0
2-Chloroaniline	1.742	1.452	-	16.6	20	116	0
IS2_Naphthalene-d8	1	1	-	0	20	140	0
a-Terpineol	0.277	0.255	-	7.9	20	127	0
3-Chloroaniline	0.15	0.13	-	13.3	20	122	0
2,6-Dichlorophenol	0.326	0.299	-	8.3	20	124	0
1-chloro-2-nitrobenzene	0.143	0.134	-	6.3	20	128	0
Caprolactam	5	4.574	-	8.5	20	136	0
1,2,4,5-Tetrachlorobenzene	0.479	0.4	-	16.5	20	118	0
Biphenyl	1.026	0.837	-	18.4	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	144	0
Dichloran	5	4.649	-	7	20	154	0
Pentachloronitrobenzene	0.235	0.234	-	0.4	20	149	0
IS2_Phenanthrene-d10	1	1	-	0	20	152	0
Diphenamid	0.515	0.472	-	8.3	20	135	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV112	**Calibration Date**	: 09/09/24 14:08		
Lab File ID	: ADP0909	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1969270-5	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
1,4-Dioxane	0.47	0.523	-	-11.3	20	143	0
n-Decane	1.145	1.299	-	-13.4	20	140	0
IS3_Acenaphthene-d10	1	1	-	0	20	120	0
Atrazine	0.441	0.485	-	-10	20	147	0
IS3_Phenanthrene-d10	1	1	-	0	20	110	0
n-Octadecane	0.315	0.428	-	-35.9*	20	168	0
Parathion	5	6.958	-	-39.2*	20	189	0
3,3'-Dimethylbenzidine	5	5.897	-	-17.9	20	153	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:19		
Lab File ID	: ABN0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
n-Nitrosodimethylamine	0.851	0.829	-	2.6	20	91	0
Pyridine	1.392	1.341	-	3.7	20	89	0
2-Fluorophenol	1.156	1.2	-	-3.8	20	95	0
Aniline	2.049	1.724	-	15.9	20	79	0
2-Chlorophenol	1.288	1.251	-	2.9	20	93	0
Phenol-d6	1.583	1.576	-	0.4	20	95	0
Phenol	1.642	1.595	-	2.9	20	91	0
Bis(2-chloroethyl)ether	1.348	1.218	-	9.6	20	85	0
1,3-Dichlorobenzene	1.546	1.445	-	6.5	20	89	0
1,4-Dichlorobenzene	1.565	1.476	-	5.7	20	90	0
1,2-Dichlorobenzene	1.522	1.423	-	6.5	20	89	0
Benzyl alcohol	1.267	1.24	-	2.1	20	91	0
Bis(2-chloroisopropyl)ethe	2.166	1.681	-	22.4*	20	74	0
2-Methylphenol	1.183	1.091	-	7.8	20	86	0
Hexachloroethane	0.623	0.599	-	3.9	20	95	0
n-Nitrosodi-n-propylamine	1.057	1.015	-	4	20	87	0
3-Methylphenol/4-Methylphe	1.279	1.187	-	7.2	20	88	0
Nitrobenzene-d5	1.619	1.552	-	4.1	20	91	0
Nitrobenzene	1.643	1.551	-	5.6	20	91	0
Isophorone	2.76	2.613	-	5.3	20	86	0
2-Nitrophenol	0.692	0.639	-	7.7	20	85	0
2,4-Dimethylphenol	1.301	0.875	-	32.7*	20	63	0
Bis(2-chloroethoxy)methane	1.778	1.519	-	14.6	20	81	0
2,4-Dichlorophenol	1.233	1.159	-	6	20	87	0
1,2,4-Trichlorobenzene	1.51	1.347	-	10.8	20	88	0
IS1_Naphthalene-d8	1	1	-	0	20	85	0
Naphthalene	1.147	0.975	-	15	20	82	0
Benzoic Acid	5	4.917	-	1.7	20	89	0
4-Chloroaniline	0.169	0.158	-	6.5	20	85	0
Hexachlorobutadiene	0.303	0.269	-	11.2	20	87	0
p-Chloro-m-cresol	0.343	0.343	-	0	20	91	0
2-Methylnaphthalene	0.764	0.649	-	15.1	20	80	0
1-Methylnaphthalene	0.29	0.273	-	5.9	20	88	0
Hexachlorocyclopentadiene	0.336	0.273	-	18.8	20	75	0
2,4,6-Trichlorophenol	0.301	0.284	-	5.6	20	85	0
2,4,5-Trichlorophenol	0.322	0.284	-	11.8	20	78	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	79	0
2-Chloronaphthalene	0.813	0.702	-	13.7	20	81	0
2-Nitroaniline	0.245	0.201	-	18	20	73	0
1,4-Dinitrobenzene	0.129	0.11	-	14.7	20	77	0
1,3-Dinitrobenzene	0.147	0.123	-	16.3	20	74	0
Dimethyl phthalate	0.989	0.866	-	12.4	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:19		
Lab File ID	: ABN0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.063	-	14.5	20	77	0
2,6-Dinitrotoluene	0.213	0.175	-	17.8	20	72	0
1,2-Dinitrobenzene	0.091	0.08	-	12.1	20	77	0
IS1_Acenaphthene-d10	1	1	-	0	20	85	0
3-Nitroaniline	0.319	0.284	-	11	20	76	0
Acenaphthene	1.153	0.953	-	17.3	20	78	0
2,4-Dinitrophenol	0.213	0.188	-	11.7	20	74	0
Dibenzofuran	1.936	1.584	-	18.2	20	78	0
2,4-Dinitrotoluene	0.475	0.397	-	16.4	20	73	0
4-Nitrophenol	0.323	0.314	-	2.8	20	88	0
2,3,5,6-Tetrachlorophenol	0.452	0.423	-	6.4	20	82	0
2,3,4,6-Tetrachlorophenol	0.435	0.413	-	5.1	20	82	0
Diethyl phthalate	1.529	1.318	-	13.8	20	80	0
Fluorene	1.523	1.208	-	20.7*	20	74	0
4-Chlorophenyl phenyl ethe	0.801	0.661	-	17.5	20	80	0
4-Nitroaniline	0.333	0.274	-	17.7	20	75	0
4,6-Dinitro-o-cresol	0.266	0.268	-	-0.8	20	82	0
NDPA/DPA	1.263	1.081	-	14.4	20	77	0
Azobenzene	1.446	1.298	-	10.2	20	82	0
2,4,6-Tribromophenol	0.249	0.227	-	8.8	20	79	0
4-Bromophenyl phenyl ether	0.5	0.438	-	12.4	20	83	0
Hexachlorobenzene	0.569	0.498	-	12.5	20	84	0
Pentachlorophenol	0.361	0.332	-	8	20	76	0
IS1_Phenanthrene-d10	1	1	-	0	20	78	0
Phenanthrene	1.117	0.969	-	13.2	20	76	0
Anthracene	1.111	1	-	10	20	76	0
Carbazole	1.018	0.854	-	16.1	20	72	0
Di-n-butylphthalate	1.195	1.072	-	10.3	20	74	0
Fluoranthene	1.366	1.155	-	15.4	20	73	0
Benzidine	0.741	0.622	-	16.1	20	66	0
Pyrene	1.44	1.265	-	12.2	20	76	0
4-Terphenyl-d14	1.076	0.927	-	13.8	20	75	0
Butyl benzyl phthalate	0.55	0.482	-	12.4	20	75	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.478	1.245	-	15.8	20	78	0
3,3'-Dichlorobenzidine	0.489	0.471	-	3.7	20	79	0
Chrysene	1.429	1.155	-	19.2	20	76	0
Bis(2-ethylhexyl)phthalate	0.817	0.691	-	15.4	20	71	0
Di-n-octylphthalate	1.352	1.172	-	13.3	20	74	0
Benzo(b)fluoranthene	1.43	1.333	-	6.8	20	89	0
Benzo(k)fluoranthene	1.356	1.137	-	16.2	20	74	0
Benzo(a)pyrene	1.242	1.163	-	6.4	20	83	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 09/09/24 23:19	
Lab File ID	: ABN0909N		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1968644-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.069	-	1.2	20	88	0
Dibenzo(a,h)anthracene	1.042	1.046	-	-0.4	20	90	0
Benzo(ghi)perylene	0.964	1.018	-	-5.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/09/24 23:42		
Lab File ID	: AP90909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-4	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Benzaldehyde	1.187	1.177	-	0.8	20	112	0
Acetophenone	2.158	2.082	-	3.5	20	109	0
m-Toluidine	1.957	1.907	-	2.6	20	110	0
2-Chloroaniline	1.709	1.646	-	3.7	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	110	0
a-Terpineol	0.4	0.353	-	11.8	20	99	0
3-Chloroaniline	0.201	0.198	-	1.5	20	110	0
2,6-Dichlorophenol	0.362	0.346	-	4.4	20	102	0
1-chloro-2-nitrobenzene	0.18	0.175	-	2.8	20	104	0
Caprolactam	0.21	0.177	-	15.7	20	87	0
1,2,4,5-Tetrachlorobenzene	0.548	0.498	-	9.1	20	104	0
Biphenyl	1.084	0.952	-	12.2	20	99	0
IS2_Acenaphthene-d10	1	1	-	0	20	114	0
Dichloran	0.247	0.226	-	8.5	20	98	0
Pentachloronitrobenzene	0.27	0.269	-	0.4	20	105	0
IS2_Phenanthrene-d10	1	1	-	0	20	104	0
Diphenamid	0.561	0.495	-	11.8	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 09/10/24 00:06		
Lab File ID	: ADP0909N	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1968644-5	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	110	0
1,4-Dioxane	0.584	0.512	-	12.3	20	115	0
n-Decane	1.662	1.421	-	14.5	20	102	0
IS3_Acenaphthene-d10	1	1	-	0	20	107	0
Atrazine	0.509	0.4	-	21.4*	20	92	0
IS3_Phenanthrene-d10	1	1	-	0	20	96	0
n-Octadecane	0.498	0.395	-	20.7*	20	82	0
Parathion	0.124	0.117	-	5.6	20	99	0
3,3'-Dimethylbenzidine	0.791	0.749	-	5.3	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	65	0
n-Nitrosodimethylamine	0.71	0.807	-	-13.7	20	74	0
Pyridine	1.086	1.362	-	-25.4*	20	74	0
2-Fluorophenol	1.08	1.166	-	-8	20	70	0
Aniline	1.765	1.822	-	-3.2	20	72	0
2-Chlorophenol	1.294	1.409	-	-8.9	20	74	0
Phenol-d6	1.413	1.461	-	-3.4	20	72	0
Phenol	1.566	1.592	-	-1.7	20	71	0
Bis(2-chloroethyl)ether	1.247	1.293	-	-3.7	20	75	0
1,3-Dichlorobenzene	1.587	1.641	-	-3.4	20	73	0
1,4-Dichlorobenzene	1.599	1.658	-	-3.7	20	73	0
1,2-Dichlorobenzene	1.562	1.52	-	2.7	20	69	0
Benzyl alcohol	1.01	1.043	-	-3.3	20	74	0
Bis(2-chloroisopropyl)ethe	1.617	2.065	-	-27.7*	20	92	0
2-Methylphenol	1.126	1.188	-	-5.5	20	77	0
Hexachloroethane	0.563	0.633	-	-12.4	20	76	0
n-Nitrosodi-n-propylamine	0.862	0.869	-	-0.8	20	73	0
3-Methylphenol/4-Methylphe	1.241	1.274	-	-2.7	20	76	0
Nitrobenzene-d5	1.368	1.37	-	-0.1	20	72	0
Nitrobenzene	1.312	1.39	-	-5.9	20	75	0
Isophorone	2.344	2.356	-	-0.5	20	72	0
2-Nitrophenol	0.667	0.731	-	-9.6	20	80	0
2,4-Dimethylphenol	1.081	1.192	-	-10.3	20	117	0
Bis(2-chloroethoxy)methane	1.585	1.592	-	-0.4	20	75	0
2,4-Dichlorophenol	1.18	1.232	-	-4.4	20	75	0
1,2,4-Trichlorobenzene	1.405	1.419	-	-1	20	74	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.132	1.077	-	4.9	20	73	0
Benzoic Acid	5	5.836	-	-16.7	20	94	0
4-Chloroaniline	0.126	0.13	-	-3.2	20	72	0
Hexachlorobutadiene	0.224	0.231	-	-3.1	20	75	0
p-Chloro-m-cresol	0.283	0.304	-	-7.4	20	79	0
2-Methylnaphthalene	0.737	0.739	-	-0.3	20	76	0
1-Methylnaphthalene	0.238	0.241	-	-1.3	20	74	0
Hexachlorocyclopentadiene	0.212	0.243	-	-14.6	20	82	0
2,4,6-Trichlorophenol	0.234	0.263	-	-12.4	20	80	0
2,4,5-Trichlorophenol	0.249	0.264	-	-6	20	75	0
2-Fluorobiphenyl	0.9	0.886	-	1.6	20	78	0
2-Chloronaphthalene	0.763	0.714	-	6.4	20	74	0
2-Nitroaniline	0.204	0.208	-	-2	20	77	0
1,4-Dinitrobenzene	0.11	0.105	-	4.5	20	79	0
1,3-Dinitrobenzene	0.129	0.121	-	6.2	20	77	0
Dimethyl phthalate	0.863	0.857	-	0.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 01:23		
Lab File ID	: ABN0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-3	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.132	1.131	-	0.1	20	77	0
2,6-Dinitrotoluene	0.169	0.179	-	-5.9	20	78	0
1,2-Dinitrobenzene	0.077	0.073	-	5.2	20	72	0
IS1_Acenaphthene-d10	1	1	-	0	20	69	0
3-Nitroaniline	0.32	0.331	-	-3.4	20	73	0
Acenaphthene	1.138	1.127	-	1	20	76	0
2,4-Dinitrophenol	5	5.289	-	-5.8	20	101	0
Dibenzofuran	1.879	1.793	-	4.6	20	75	0
2,4-Dinitrotoluene	0.408	0.428	-	-4.9	20	79	0
4-Nitrophenol	0.253	0.261	-	-3.2	20	75	0
2,3,5,6-Tetrachlorophenol	0.341	0.374	-	-9.7	20	76	0
2,3,4,6-Tetrachlorophenol	0.325	0.362	-	-11.4	20	75	0
Diethyl phthalate	1.327	1.352	-	-1.9	20	81	0
Fluorene	1.404	1.254	-	10.7	20	69	0
4-Chlorophenyl phenyl ethe	0.713	0.651	-	8.7	20	71	0
4-Nitroaniline	0.32	0.286	-	10.6	20	66	0
4,6-Dinitro-o-cresol	5	4.545	-	9.1	20	84	0
NDPA/DPA	1.166	0.986	-	15.4	20	64	0
Azobenzene	1.226	1.034	-	15.7	20	63	0
2,4,6-Tribromophenol	0.187	0.129	-	31*	20	52	0
4-Bromophenyl phenyl ether	0.385	0.328	-	14.8	20	66	0
Hexachlorobenzene	0.425	0.284	-	33.2*	20	51	0
Pentachlorophenol	5	3.963	-	20.7*	20	66	0
IS1_Phenanthrene-d10	1	1	-	0	20	71	0
Phenanthrene	1.151	1.063	-	7.6	20	74	0
Anthracene	1.089	1.088	-	0.1	20	78	0
Carbazole	0.994	0.994	-	0	20	76	0
Di-n-butylphthalate	1.094	1.205	-	-10.1	20	90	0
Fluoranthene	1.261	1.215	-	3.6	20	75	0
Benzidine	5	4.749	-	5	20	93	0
Pyrene	1.372	1.312	-	4.4	20	75	0
4-Terphenyl-d14	0.946	0.861	-	9	20	74	0
Butyl benzyl phthalate	5	4.524	-	9.5	20	94	0
IS1_Chrysene-d12	1	1	-	0	20	67	0
Benzo(a)anthracene	1.453	1.448	-	0.3	20	73	0
3,3'-Dichlorobenzidine	5	4.619	-	7.6	20	77	0
Chrysene	1.403	1.411	-	-0.6	20	74	0
Bis(2-ethylhexyl)phthalate	5	6.043	-	-20.9*	20	96	0
Di-n-octylphthalate	5	5.569	-	-11.4	20	104	0
Benzo(b)fluoranthene	1.251	1.319	-	-5.4	20	74	0
Benzo(k)fluoranthene	1.251	1.326	-	-6	20	70	0
Benzo(a)pyrene	1.101	1.282	-	-16.4	20	78	0
IS1_Perylene-d12	1	1	-	0	20	66	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 01:23	
Lab File ID	: ABN0909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-3		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.098	1.097	-	0.1	20	68	0
Dibenzo(a,h)anthracene	1.056	1.101	-	-4.3	20	69	0
Benzo(ghi)perylene	0.977	1.084	-	-11	20	70	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV107		**Calibration Date**	: 09/10/24 01:48	
Lab File ID	: AP90909		**Init. Calib. Date(s)**	: 07/30/24	07/31/24
Sample No	: WG1968646-4		**Init. Calib. Times**	: 19:25	07:43
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
Benzaldehyde	1.145	1.047	-	8.6	20	81	0
Acetophenone	2.032	1.522	-	25.1*	20	67	0
m-Toluidine	1.86	1.428	-	23.2*	20	64	0
2-Chloroaniline	1.773	1.39	-	21.6*	20	67	0
IS2_Naphthalene-d8	1	1	-	0	20	72	0
a-Terpineol	0.297	0.218	-	26.6*	20	51	0
3-Chloroaniline	0.163	0.115	-	29.4*	20	50	0
2,6-Dichlorophenol	0.319	0.285	-	10.7	20	62	0
1-chloro-2-nitrobenzene	0.155	0.156	-	-0.6	20	73	0
Caprolactam	5	5.157	-	-3.1	20	84	0
1,2,4,5-Tetrachlorobenzene	0.444	0.44	-	0.9	20	74	0
Biphenyl	1.036	0.989	-	4.5	20	73	0
IS2_Acenaphthene-d10	1	1	-	0	20	83	0
Dichloran	5	4.128	-	17.4	20	84	0
Pentachloronitrobenzene	5	4.205	-	15.9	20	80	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.507	0.463	-	8.7	20	78	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV107	**Calibration Date**	: 09/10/24 02:14		
Lab File ID	: ADP0909	**Init. Calib. Date(s)**	: 07/30/24	07/31/24	
Sample No	: WG1968646-5	**Init. Calib. Times**	: 19:25	07:43	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	77	0
1,4-Dioxane	0.459	0.469	-	-2.2	20	91	0
n-Decane	1.388	1.514	-	-9.1	20	93	0
IS3_Acenaphthene-d10	1	1	-	0	20	63	0
Atrazine	0.315	0.394	-	-25.1*	20	78	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.381	0.407	-	-6.8	20	83	0
Parathion	5	5.321	-	-6.4	20	97	0
3,3'-Dimethylbenzidine	5	4.268	-	14.6	20	84	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	65	0.00
2	t	n-Nitrosodimethylamine		0.710	0.807	-13.7	74	0.00
3	t	Pyridine		1.086	1.362	-25.4#	74	0.00
4	S	2-Fluorophenol		1.080	1.166	-8.0	70	0.00
5	T	Aniline		1.765	1.822	-3.2	72	0.00
6	t	2-Chlorophenol		1.294	1.409	-8.9	74	0.00
7	S	Phenol-d6		1.413	1.461	-3.4	72	0.00
8	T	Phenol		1.566	1.592	-1.7	71	0.00
9	T	Bis(2-chloroethyl)ether		1.247	1.293	-3.7	75	0.00
10	T	1,3-Dichlorobenzene		1.587	1.641	-3.4	73	0.00
11	T	1,4-Dichlorobenzene		1.599	1.658	-3.7	73	0.00
12	T	1,2-Dichlorobenzene		1.562	1.520	2.7	69	0.00
13	t	Benzyl alcohol		1.010	1.043	-3.3	74	0.00
14	T	Bis(2-chloroisopropyl)ether		1.617	2.065	-27.7#	92	0.00
15	T	2-Methylphenol		1.126	1.188	-5.5	77	0.00
16	T	Hexachloroethane		0.563	0.633	-12.4	76	0.00
17	T	n-Nitrosodi-n-propylamine		0.862	0.869	-0.8	73	0.00
18	T	3-Methylphenol/4-Methylphen		1.241	1.274	-2.7	76	0.00
19	S	Nitrobenzene-d5		1.368	1.370	-0.1	72	0.00
20	T	Nitrobenzene		1.312	1.390	-5.9	75	0.00
21	T	Isophorone		2.344	2.356	-0.5	72	0.00
22	T	2-Nitrophenol		0.667	0.731	-9.6	80	0.00
23	T	2,4-Dimethylphenol		1.081	1.192	-10.3	117	0.00
24	T	Bis(2-chloroethoxy)methane		1.585	1.592	-0.4	75	0.00
25	T	2,4-Dichlorophenol		1.180	1.232	-4.4	75	0.00
26	T	1,2,4-Trichlorobenzene		1.405	1.419	-1.0	74	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	67	0.00
36	T	Naphthalene		1.132	1.077	4.9	73	0.00
37	T	Benzoic Acid	*	5.000	5.836	-16.7	94	0.00
38	T	4-Chloroaniline		0.126	0.130	-3.2	72	0.00
39	T	Hexachlorobutadiene		0.224	0.231	-3.1	75	0.00
40	T	p-Chloro-m-cresol		0.283	0.304	-7.4	79	0.00
41	T	2-Methylnaphthalene		0.737	0.739	-0.3	76	0.00
42	T	1-Methylnaphthalene		0.238	0.241	-1.3	74	0.00
43	T	Hexachlorocyclopentadiene		0.212	0.243	-14.6	82	0.00
44	T	2,4,6-Trichlorophenol		0.234	0.263	-12.4	80	0.00
45	T	2,4,5-Trichlorophenol		0.249	0.264	-6.0	75	0.00
46	S	2-Fluorobiphenyl		0.900	0.886	1.6	78	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.763	0.714	6.4	74	0.00
48	T	2-Nitroaniline		0.204	0.208	-2.0	77	0.00
49	T	1,4-Dinitrobenzene		0.110	0.105	4.5	79	0.00
50	T	1,3-Dinitrobenzene		0.129	0.121	6.2	77	0.00
51	T	Dimethyl phthalate		0.863	0.857	0.7	78	0.00
52	T	Acenaphthylene		1.132	1.131	0.1	77	0.00
53	T	2,6-Dinitrotoluene		0.169	0.179	-5.9	78	0.00
54	T	1,2-Dinitrobenzene		0.077	0.073	5.2	72	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	69	0.00
64	T	3-Nitroaniline		0.320	0.331	-3.4	73	0.00
65	T	Acenaphthene		1.138	1.127	1.0	76	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.289	-5.8	101	0.00
67	T	Dibenzofuran		1.879	1.793	4.6	75	0.00
68	T	2,4-Dinitrotoluene		0.408	0.428	-4.9	79	0.00
69	T	4-Nitrophenol		0.253	0.261	-3.2	75	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.341	0.374	-9.7	76	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.325	0.362	-11.4	75	0.00
72	T	Diethyl phthalate		1.327	1.352	-1.9	81	0.00
73	T	Fluorene		1.404	1.254	10.7	69	0.00
74	T	4-Chlorophenyl phenyl ether		0.713	0.651	8.7	71	0.00
75	T	4-Nitroaniline		0.320	0.286	10.6	66	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.545	9.1	84	0.00
77	T	NDPA/DPA		1.166	0.986	15.4	64	0.00
78	T	Azobenzene		1.226	1.034	15.7	63	0.00
79	S	2,4,6-Tribromophenol		0.187	0.129	31.0#	52	0.00
80	T	4-Bromophenyl phenyl ether		0.385	0.328	14.8	66	0.00
81	T	Hexachlorobenzene		0.425	0.284	33.2#	51	0.00
82	T	Pentachlorophenol	*	5.000	3.963	20.7#	66	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	71	0.00
89	T	Phenanthrene		1.151	1.063	7.6	74	0.00
90	T	Anthracene		1.089	1.088	0.1	78	0.00
91	T	Carbazole		0.994	0.994	0.0	76	0.00
92	T	Di-n-butylphthalate		1.094	1.205	-10.1	90	0.00
93	T	Fluoranthene		1.261	1.215	3.6	75	0.00
94	T	Benzidine	*	5.000	4.749	5.0	93	0.00
95	T	Pyrene		1.372	1.312	4.4	75	0.00
96	S	4-Terphenyl-d14		0.946	0.861	9.0	74	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.524	9.5	94	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	67	0.00
105	T	Benzo(a)anthracene		1.453	1.448	0.3	73	0.00
106	T	3,3'-Dichlorobenzidine	*	5.000	4.619	7.6	77	0.00
107	T	Chrysene		1.403	1.411	-0.6	74	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	6.043	-20.9#	96	0.00
109	T	Di-n-octylphthalate	*	5.000	5.569	-11.4	104	0.00
110	T	Benzo(b)fluoranthene		1.251	1.319	-5.4	74	0.00
111	T	Benzo(k)fluoranthene		1.251	1.326	-6.0	70	0.00
112	T	Benzo(a)pyrene		1.101	1.282	-16.4	78	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	66	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.098	1.097	0.1	68	0.00
115	T	Dibenzo(a,h)anthracene		1.056	1.101	-4.3	69	0.00
116	T	Benzo(ghi)perylene		0.977	1.084	-11.0	70	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.098	152	9458	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	7.557	136	35772	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	9.322	164	20700	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	10.751	188	39044	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	13.357	240	32863	4.000	ug/ml	0.00
113) IS1_Perylene-d12	14.804	264	35067	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	3.904	112	13789	5.400	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 270.00%#			
7) Phenol-d6	5.734	99	17272	5.170	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 258.50%#			
19) Nitrobenzene-d5	6.781	82	16191	5.007	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 500.70%#			
46) 2-Fluorobiphenyl	8.692	172	39625	4.923	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.30%#			
79) 2,4,6-Tribromophenol	10.092	330	3348	3.454	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 172.70%#			
96) 4-Terphenyl-d14	12.333	244	42006	4.550	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 455.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.752	74	9542	5.681	ug/ml#	63
3) Pyridine	1.781	79	16104	6.269	ug/ml#	70
5) Aniline	5.675	93	21536	5.160	ug/ml	97
6) 2-Chlorophenol	5.822	128	16661	5.444	ug/ml	93
8) Phenol	5.751	94	18816	5.080	ug/ml	98
9) Bis(2-chloroethyl)ether	5.822	93	15281	5.181	ug/ml#	80
10) 1,3-Dichlorobenzene	6.016	146	19396	5.167	ug/ml	96
11) 1,4-Dichlorobenzene	6.122	146	19600	5.183	ug/ml	96
12) 1,2-Dichlorobenzene	6.304	146	17969	4.866	ug/ml	96
13) Benzyl alcohol	6.328	79	12331	5.165	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.510	45	24410	6.383	ug/ml#	59
15) 2-Methylphenol	6.516	108	14042	5.272	ug/ml	98
16) Hexachloroethane	6.704	117	7482	5.623	ug/ml#	67
17) n-Nitrosodi-n-propylamine	6.663	70	10278	5.043	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.710	108	15066	5.134	ug/ml	98
20) Nitrobenzene	6.804	77	16432	5.297	ug/ml	98
21) Isophorone	7.092	82	27851	5.026	ug/ml	97
22) 2-Nitrophenol	7.169	139	8646	5.486	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.287	107	14096	5.513	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.375	93	18820	5.022	ug/ml	99
25) 2,4-Dichlorophenol	7.439	162	14561	5.217	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.516	180	16771	5.048	ug/ml	97
36) Naphthalene	7.581	128	48176	4.759	ug/ml	99
37) Benzoic Acid	7.386	105	10620	5.836	ug/ml	95
38) 4-Chloroaniline	7.675	65	5835	5.163	ug/ml	80
39) Hexachlorobutadiene	7.751	225	10330	5.161	ug/ml	98
40) p-Chloro-m-cresol	8.210	107	13611	5.380	ug/ml	98
41) 2-Methylnaphthalene	8.304	142	33053	5.013	ug/ml	95
42) 1-Methylnaphthalene	8.398	115	10756	5.049	ug/ml	96
43) Hexachlorocyclopentadiene	8.481	237	10886	5.751	ug/ml	98
44) 2,4,6-Trichlorophenol	8.604	196	11745	5.611	ug/ml	99
45) 2,4,5-Trichlorophenol	8.633	196	11804	5.308	ug/ml	99
47) 2-Chloronaphthalene	8.781	162	31943	4.681	ug/ml	97
48) 2-Nitroaniline	8.898	138	9312	5.102	ug/ml	89
49) 1,4-Dinitrobenzene	9.033	168	4678	4.762	ug/ml	76
50) 1,3-Dinitrobenzene	9.110	168	5407	4.686	ug/ml#	1
51) Dimethyl phthalate	9.110	163	38313	4.967	ug/ml#	97
52) Acenaphthylene	9.181	152	50554	4.992	ug/ml	99
53) 2,6-Dinitrotoluene	9.151	165	8001	5.299	ug/ml#	77
54) 1,2-Dinitrobenzene	9.186	168	3247	4.733	ug/ml#	1
64) 3-Nitroaniline	9.304	138	8563	5.171	ug/ml#	97
65) Acenaphthene	9.351	154	29156	4.951	ug/ml	89
66) 2,4-Dinitrophenol	9.404	184	5096	5.289	ug/ml#	87
67) Dibenzofuran	9.522	168	46405	4.772	ug/ml#	77
68) 2,4-Dinitrotoluene	9.533	165	11067	5.237	ug/ml	92
69) 4-Nitrophenol	9.504	65	6762	5.164	ug/ml#	29
70) 2,3,5,6-Tetrachlorophenol	9.622	232	9685	5.487	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.663	232	9362	5.561	ug/ml	98
72) Diethyl phthalate	9.804	149	34973	5.093	ug/ml	99
73) Fluorene	9.857	166	32460	4.467	ug/ml	93
74) 4-Chlorophenyl phenyl ...	9.880	204	16843	4.565	ug/ml	92
75) 4-Nitroaniline	9.892	138	7412	4.474	ug/ml#	79
76) 4,6-Dinitro-o-cresol	9.928	198	5832	4.545	ug/ml#	59
77) NDPA/DPA	9.998	169	25515	4.229	ug/ml	96
78) Azobenzene	10.028	77	26761	4.216	ug/ml	94
80) 4-Bromophenyl phenyl e...	10.351	248	8493	4.264	ug/ml	92
81) Hexachlorobenzene	10.392	284	7348	3.343	ug/ml#	89
82) Pentachlorophenol	10.592	266	5783	3.963	ug/ml	98
89) Phenanthrene	10.775	178	51861	4.615	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	10.822	178	53104	4.996	ug/ml	98
91) Carbazole	10.998	167	48534	5.004	ug/ml	99
92) Di-n-butylphthalate	11.398	149	58822	5.508	ug/ml	99
93) Fluoranthene	11.921	202	59290	4.817	ug/ml#	92
94) Benzidine	12.086	184	34063	4.749	ug/ml#	95
95) Pyrene	12.133	202	64015	4.781	ug/ml	99
97) Butyl benzyl phthalate	12.857	149	24861	4.524	ug/ml	90
105) Benzo(a)anthracene	13.351	228	59483	4.981	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.357	252	19801	4.619	ug/ml	96
107) Chrysene	13.386	228	57956	5.027	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.492	149	39293	6.043	ug/ml#	93
109) Di-n-octylphthalate	14.163	149	64031	5.569	ug/ml#	71
110) Benzo(b)fluoranthene	14.439	252	54199	5.271	ug/ml	96
111) Benzo(k)fluoranthene	14.468	252	54483	5.299	ug/ml#	96
112) Benzo(a)pyrene	14.751	252	52667	5.824	ug/ml	96
114) Indeno(1,2,3-cd)pyrene	15.757	276	48089M6	4.996	ug/mL	
115) Dibenzo(a,h)anthracene	15.786	278	48243	5.213	ug/ml	97
116) Benzo(ghi)perylene	15.986	276	47506	5.544	ug/ml	94

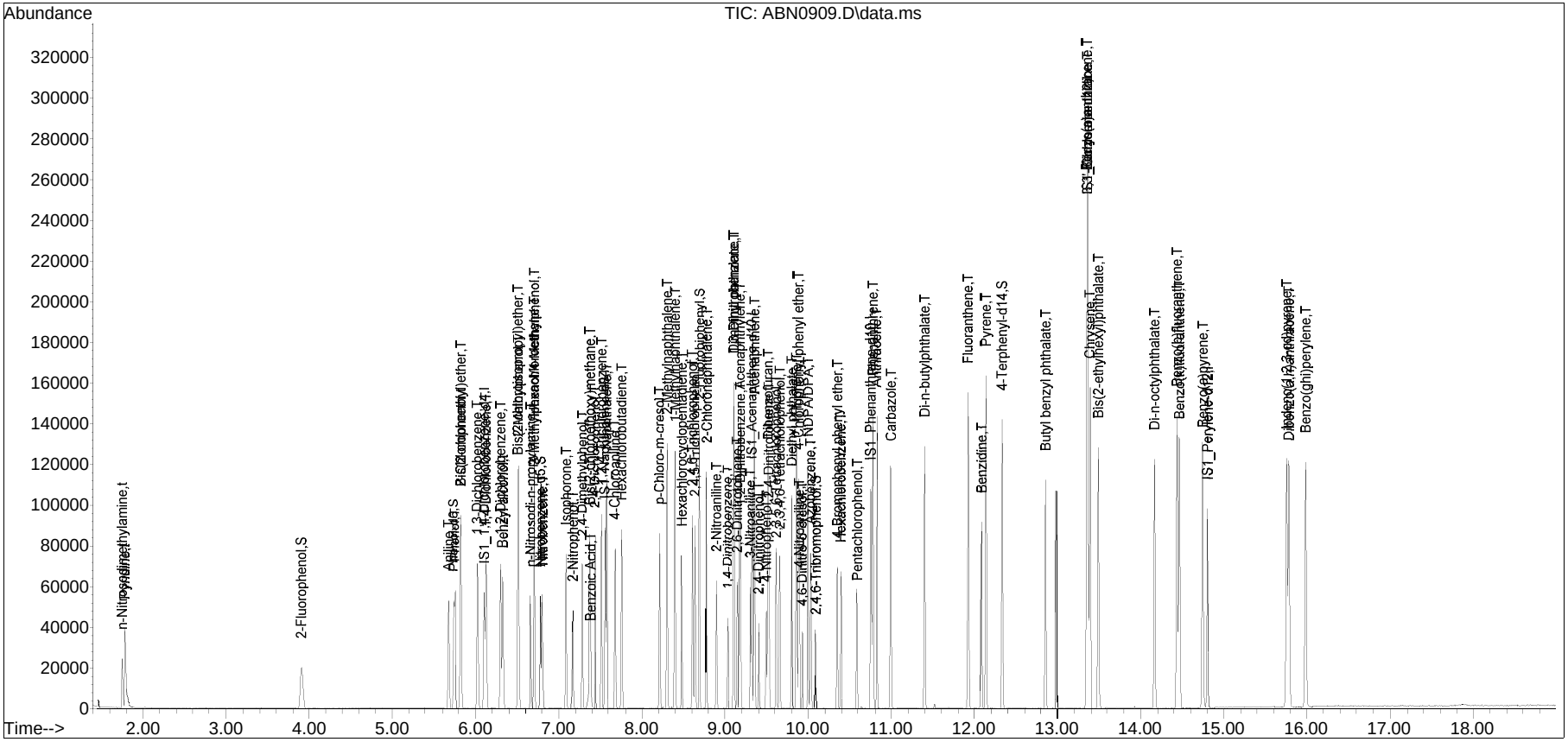
(#) = qualifier out of range (m) = manual integration (+) = signals summed

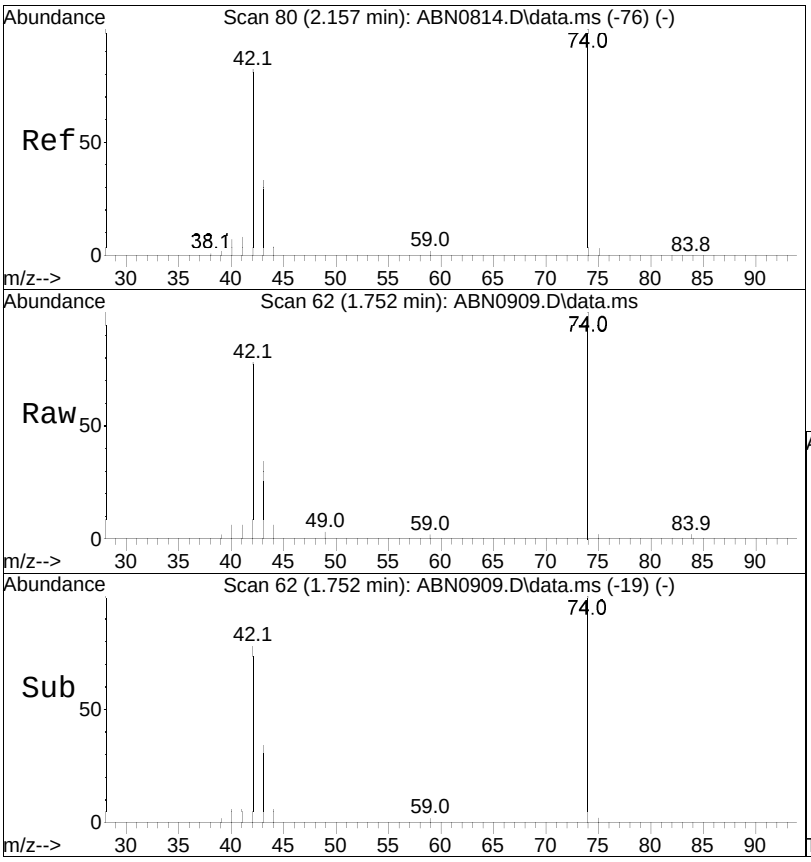
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ABN0909.D
Acq On : 10 Sep 2024 1:23 am
Operator : SV107:jg
Sample : WG1968646-3,32,,ABN RVT CCV Lot # 10908
Misc : WG1968646,,ical21360
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Sep 10 02:03:05 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:51:10 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

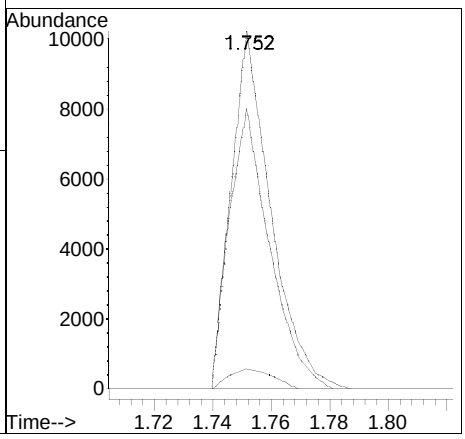


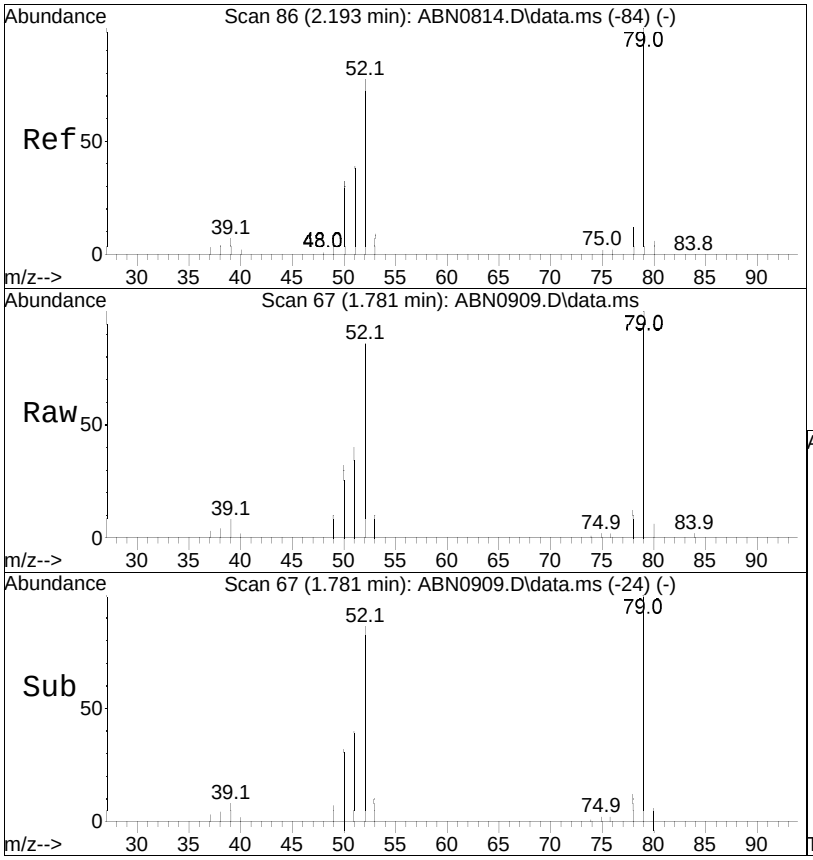


#2
n-Nitrosodimethylamine
Concen: 5.68 ug/ml
RT: 1.752 min Scan# 62
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 74 Resp: 9542

Ion	Ratio	Lower	Upper
74	100		
42	79.9	100.0	150.0#
44	6.2	6.7	10.1#

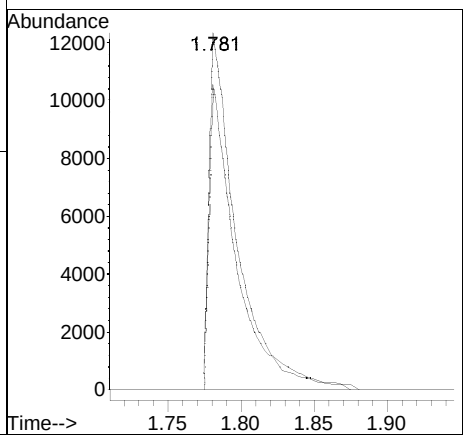


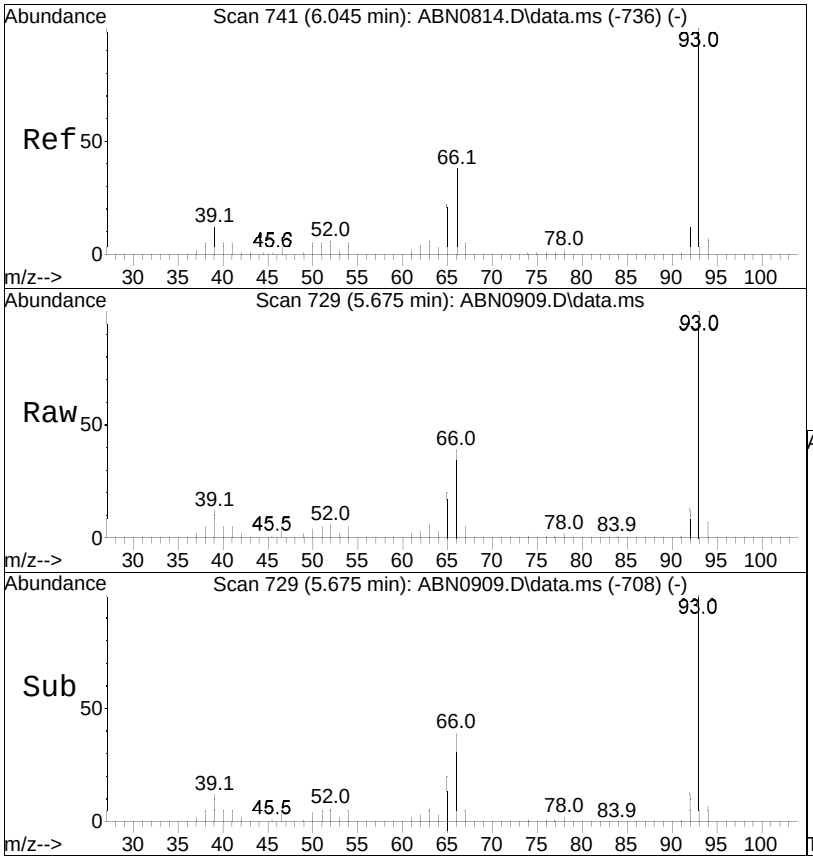


#3
Pyridine
Concen: 6.27 ug/ml
RT: 1.781 min Scan# 67
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 79 Resp: 16104

Ion	Ratio	Lower	Upper
79	100		
52	83.9	93.1	139.7#

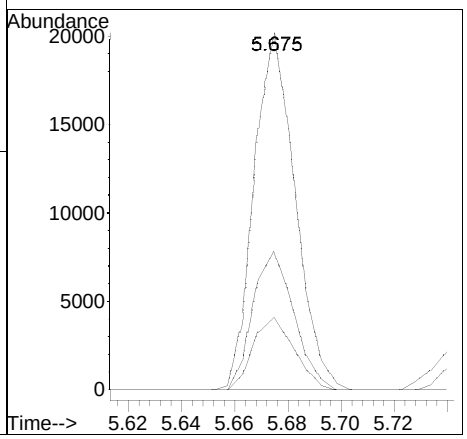


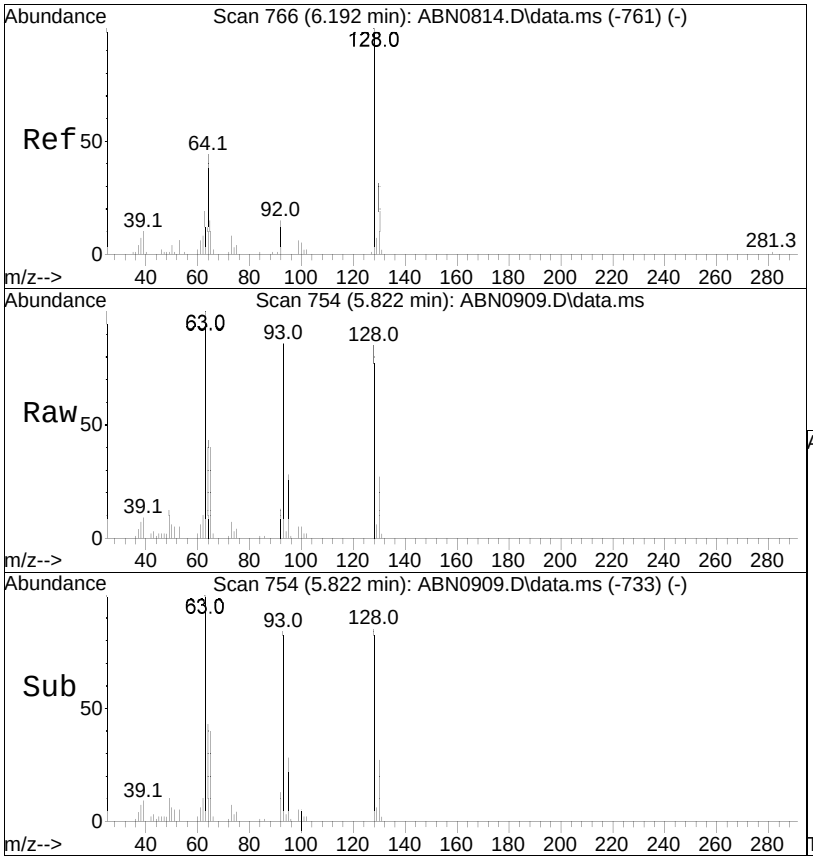


#5
Aniline
Concen: 5.16 ug/ml
RT: 5.675 min Scan# 729
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 93 Resp: 21536

Ion	Ratio	Lower	Upper
93	100		
66	38.8	32.6	49.0
65	20.4	17.6	26.4

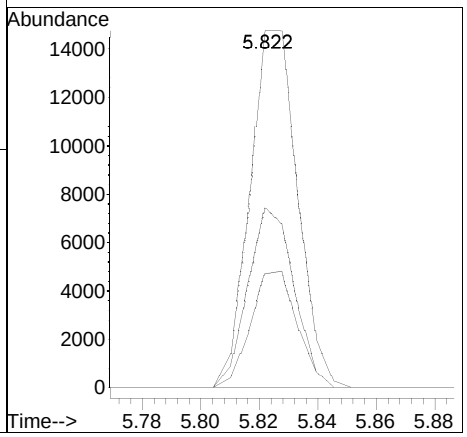


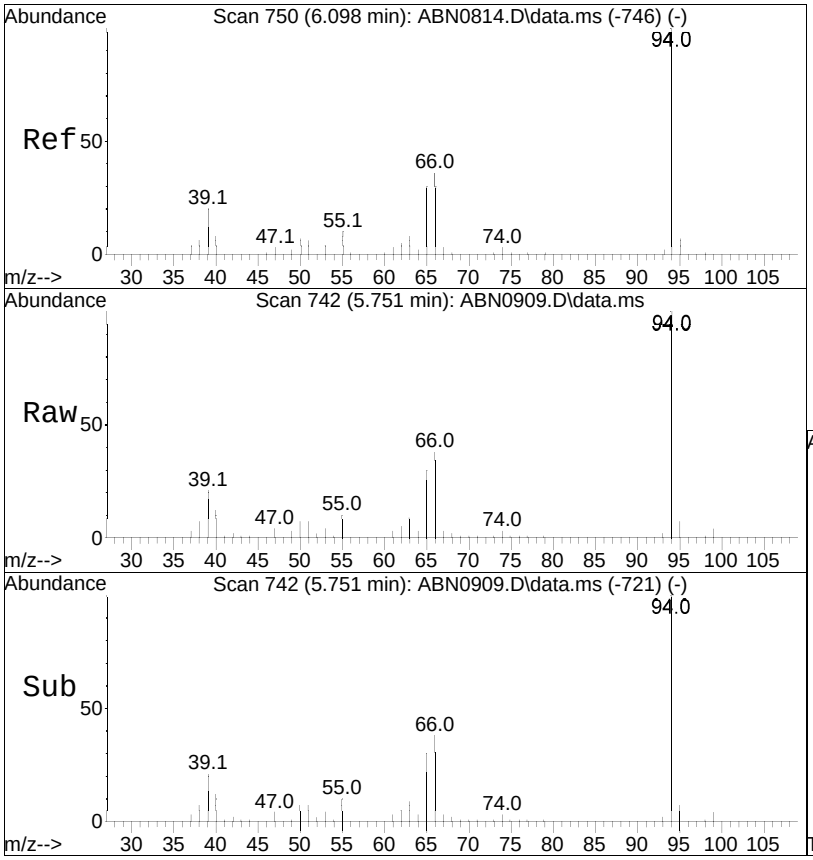


#6
2-Chlorophenol
Concen: 5.44 ug/ml
RT: 5.822 min Scan# 754
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:128 Resp: 16661

Ion	Ratio	Lower	Upper
128	100		
64	48.6	45.1	67.7
130	31.9	26.2	39.4

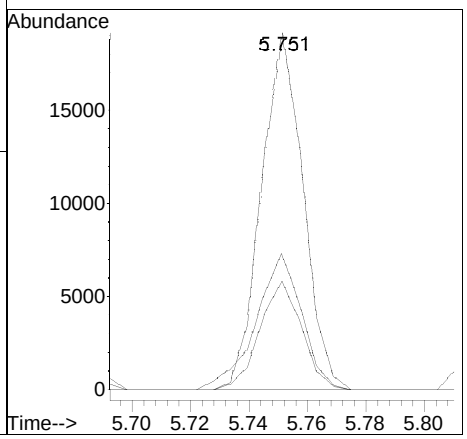


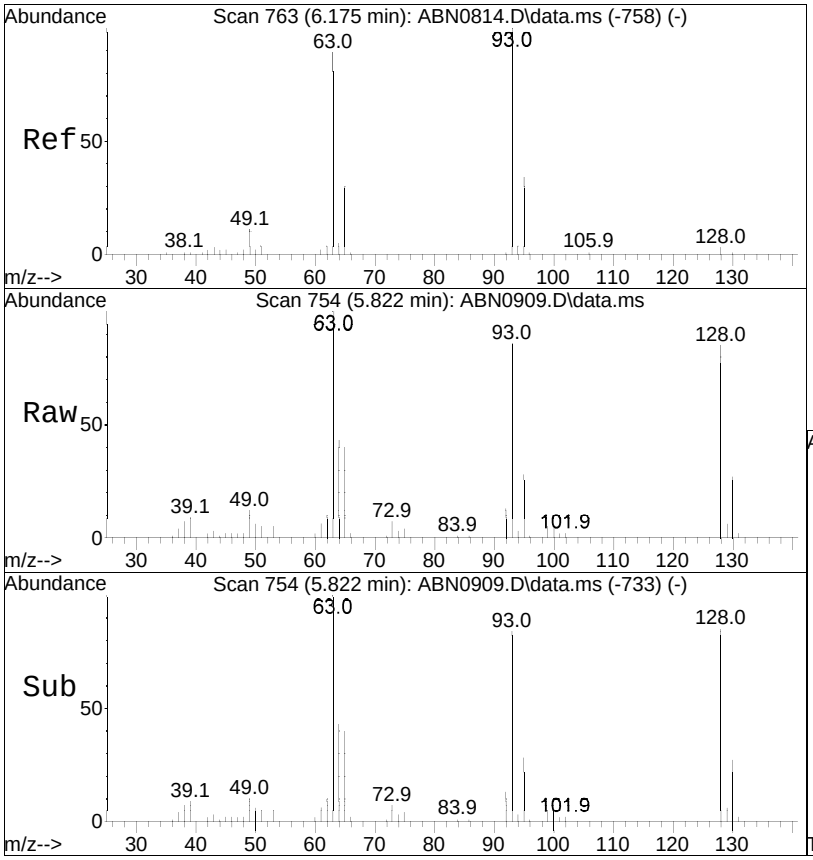


#8
Phenol
Concen: 5.08 ug/ml
RT: 5.751 min Scan# 742
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 94 Resp: 18816

Ion	Ratio	Lower	Upper
94	100		
65	30.8	26.0	39.0
66	42.1	33.8	50.8

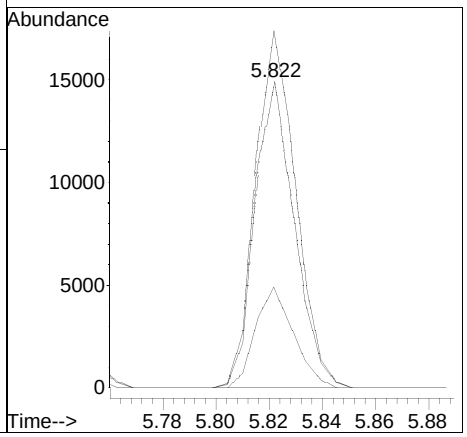


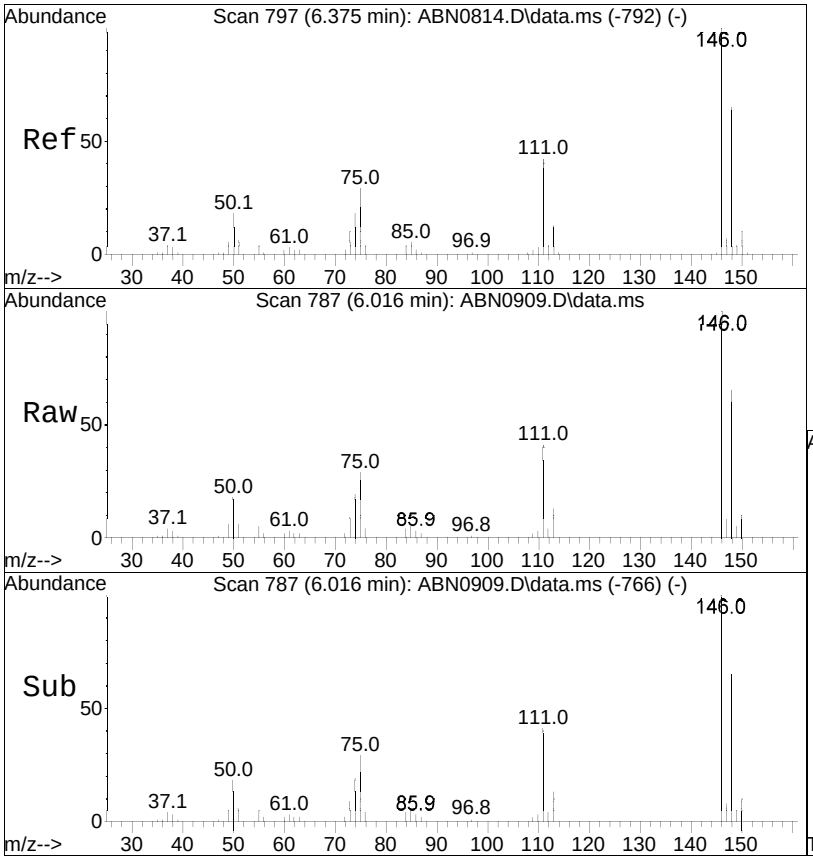


#9
Bis(2-chloroethyl)ether
Concen: 5.18 ug/ml
RT: 5.822 min Scan# 754
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 93 Resp: 15281

Ion	Ratio	Lower	Upper
93	100		
63	119.1	74.6	111.8#
95	32.0	25.9	38.9

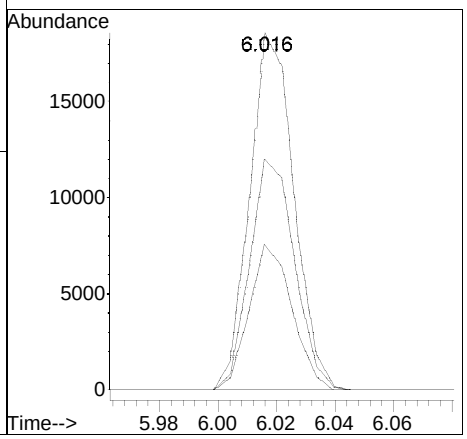


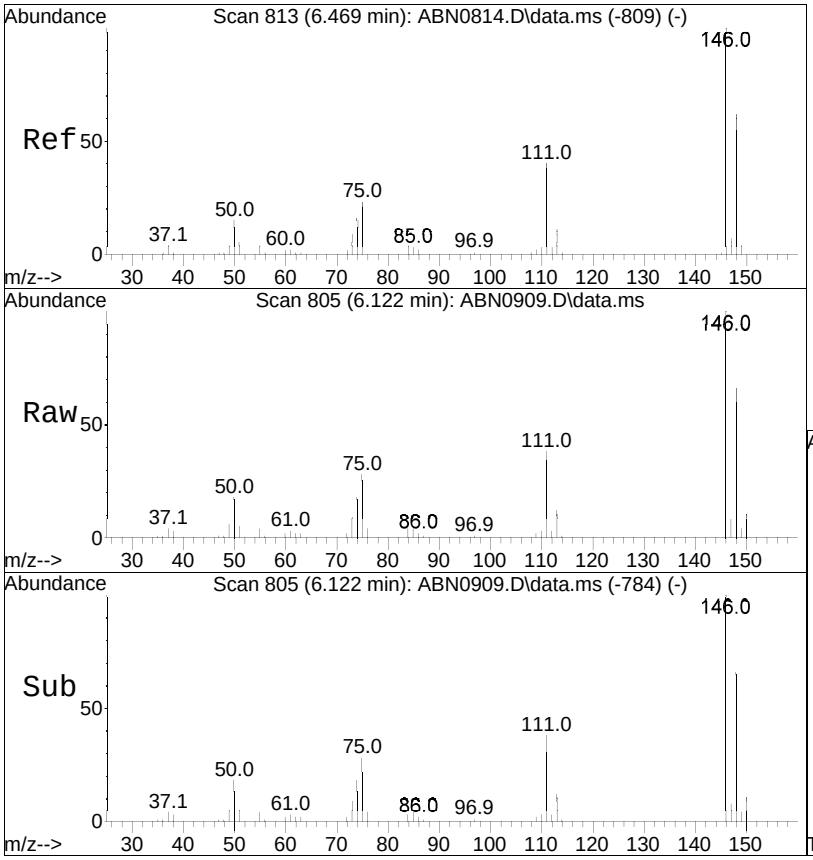


#10
1,3-Dichlorobenzene
Concen: 5.17 ug/ml
RT: 6.016 min Scan# 787
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:146 Resp: 19396

Ion	Ratio	Lower	Upper
146	100		
111	39.6	34.3	51.5
148	65.4	50.8	76.2

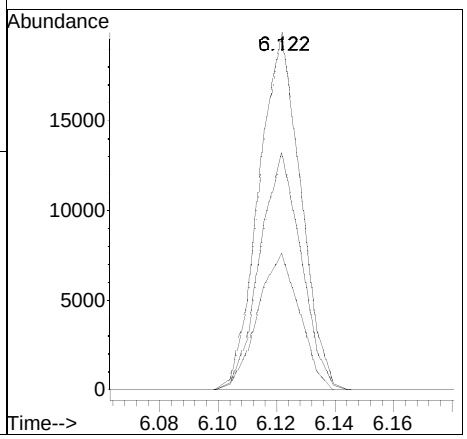


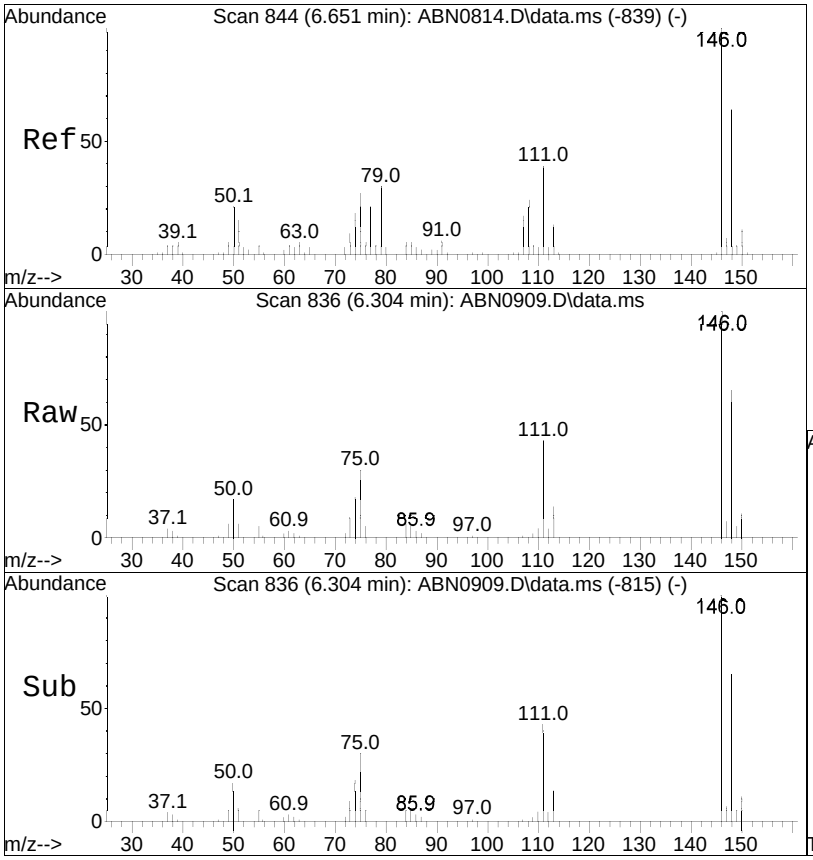


#11
1,4-Dichlorobenzene
Concen: 5.18 ug/ml
RT: 6.122 min Scan# 805
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:146 Resp: 19600

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	38.7	33.4	50.0

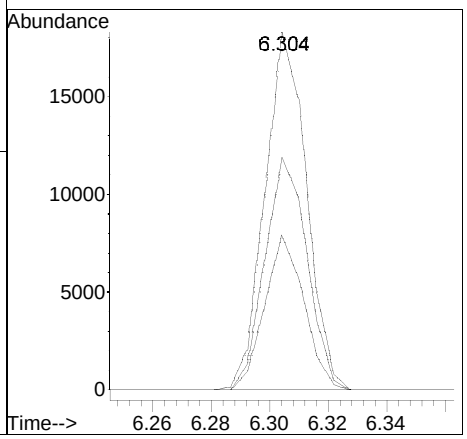


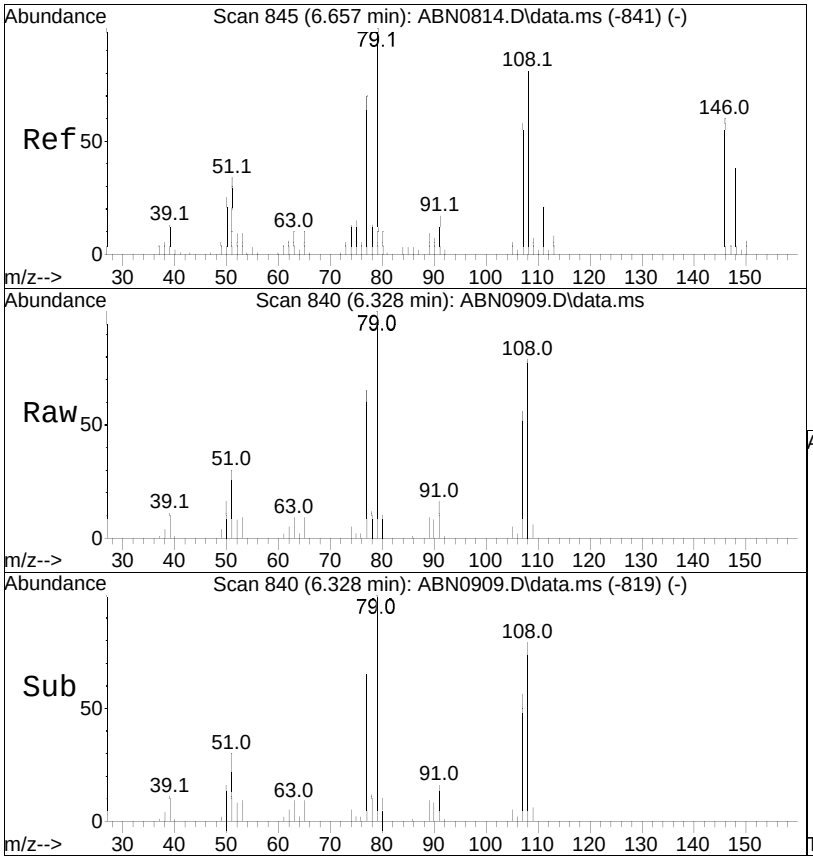


#12
1,2-Dichlorobenzene
Concen: 4.87 ug/ml
RT: 6.304 min Scan# 836
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:146 Resp: 17969

Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.6	52.0
148	65.8	50.2	75.4

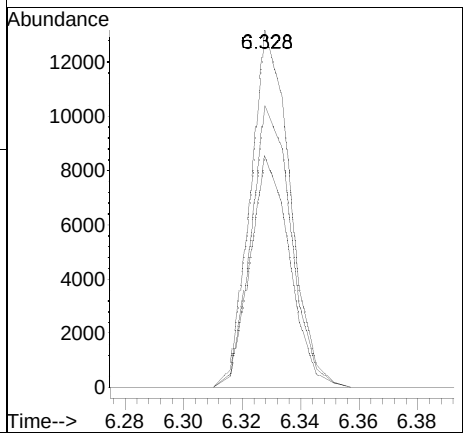


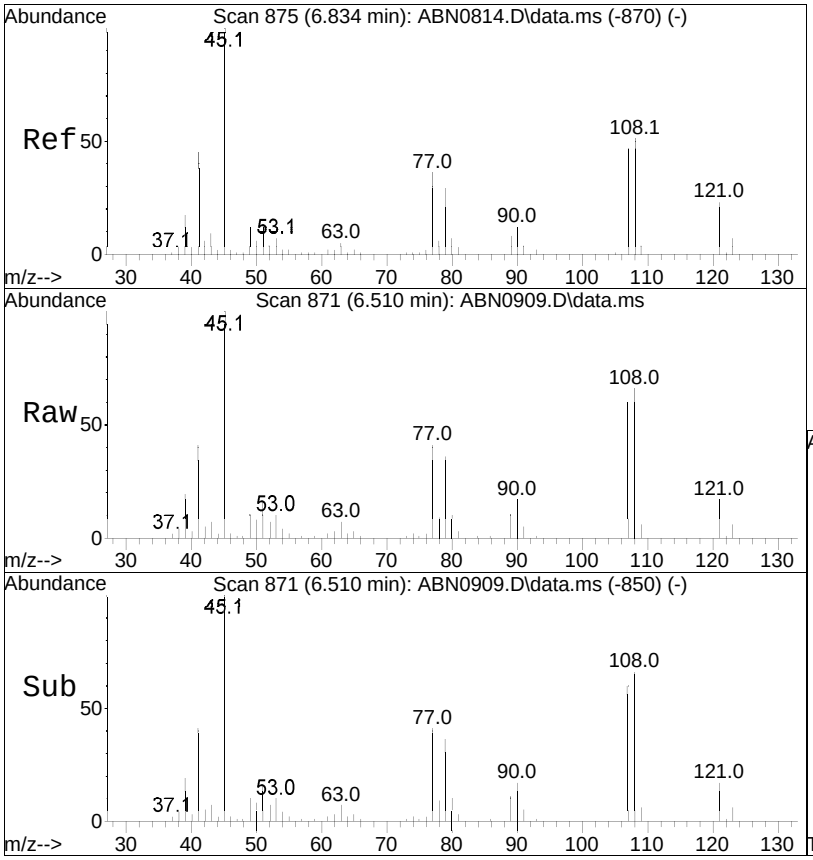


#13
Benzyl alcohol
Concen: 5.17 ug/ml
RT: 6.328 min Scan# 840
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 79 Resp: 12331

Ion	Ratio	Lower	Upper
79	100		
77	64.9	54.9	82.3
108	79.7	63.1	94.7

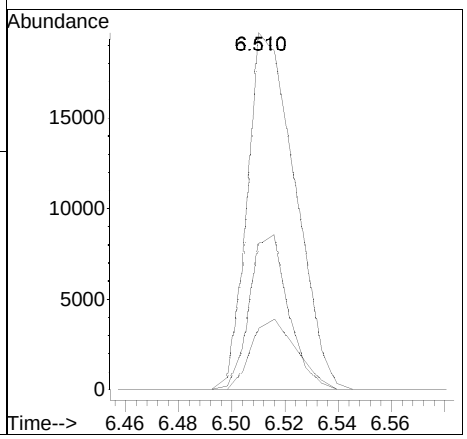


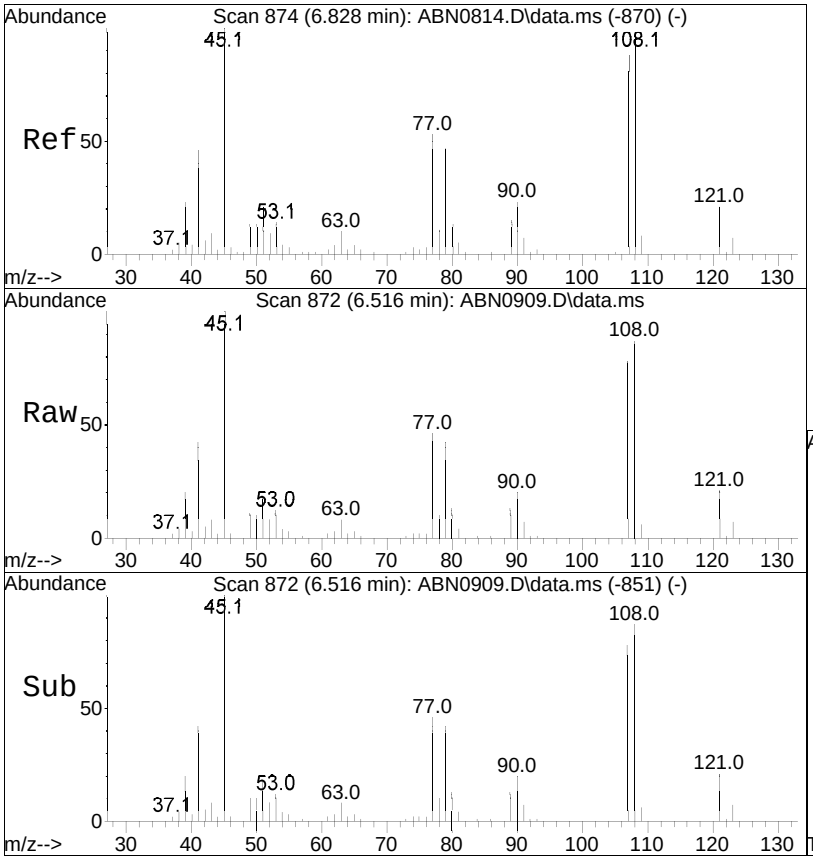


#14
Bis(2-chloroisopropyl)ether
Concen: 6.38 ug/ml
RT: 6.510 min Scan# 871
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 45 Resp: 24410

Ion	Ratio	Lower	Upper
45	100		
121	18.9	9.8	14.6#
77	35.6	6.1	9.1#

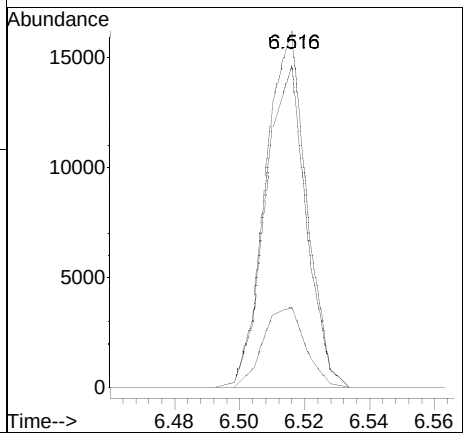


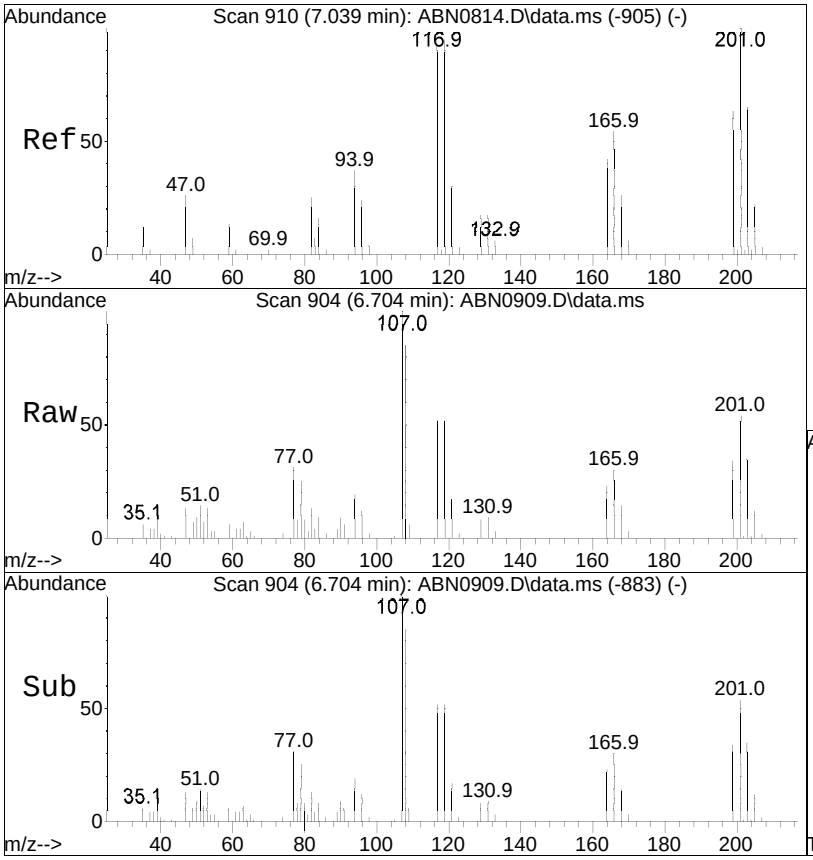


#15
2-Methylphenol
Concen: 5.27 ug/ml
RT: 6.516 min Scan# 872
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:108 Resp: 14042

Ion	Ratio	Lower	Upper
108	100		
107	90.3	70.7	106.1
90	23.4	18.7	28.1

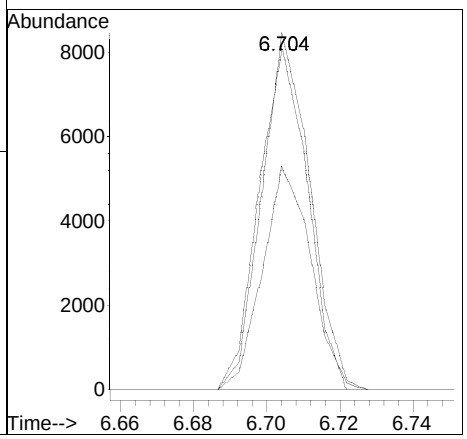


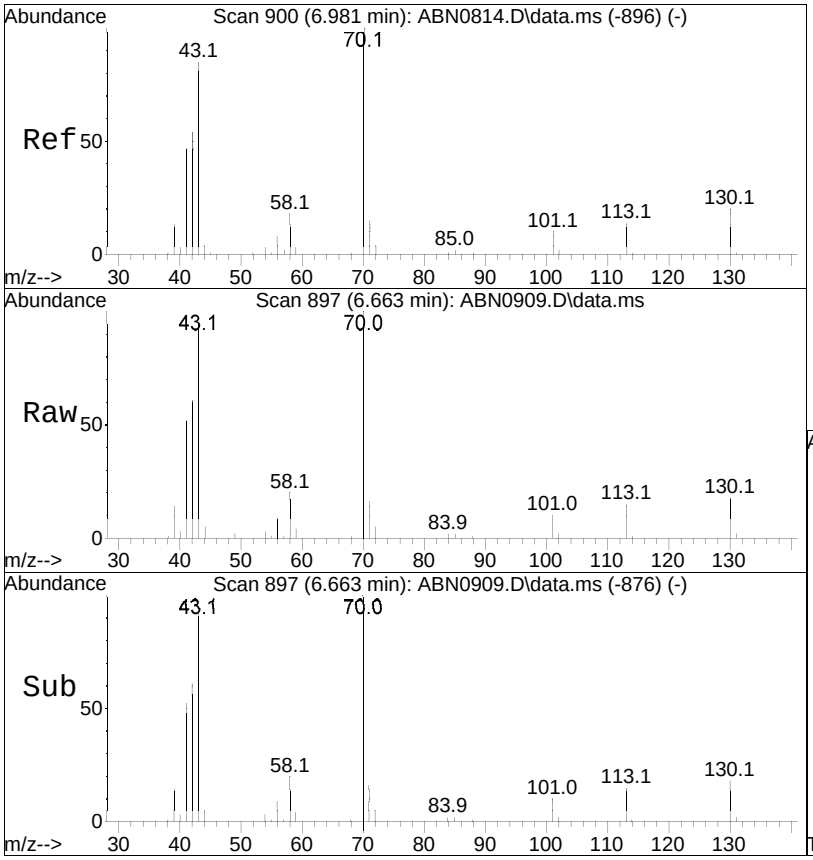


#16
Hexachloroethane
Concen: 5.62 ug/ml
RT: 6.704 min Scan# 904
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:117 Resp: 7482

Ion	Ratio	Lower	Upper
117	100		
201	103.3	58.6	87.8#
199	65.3	36.9	55.3#

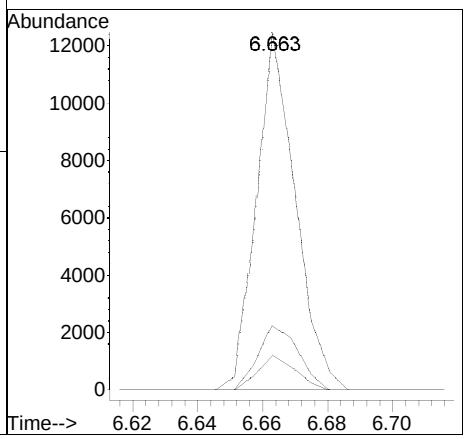


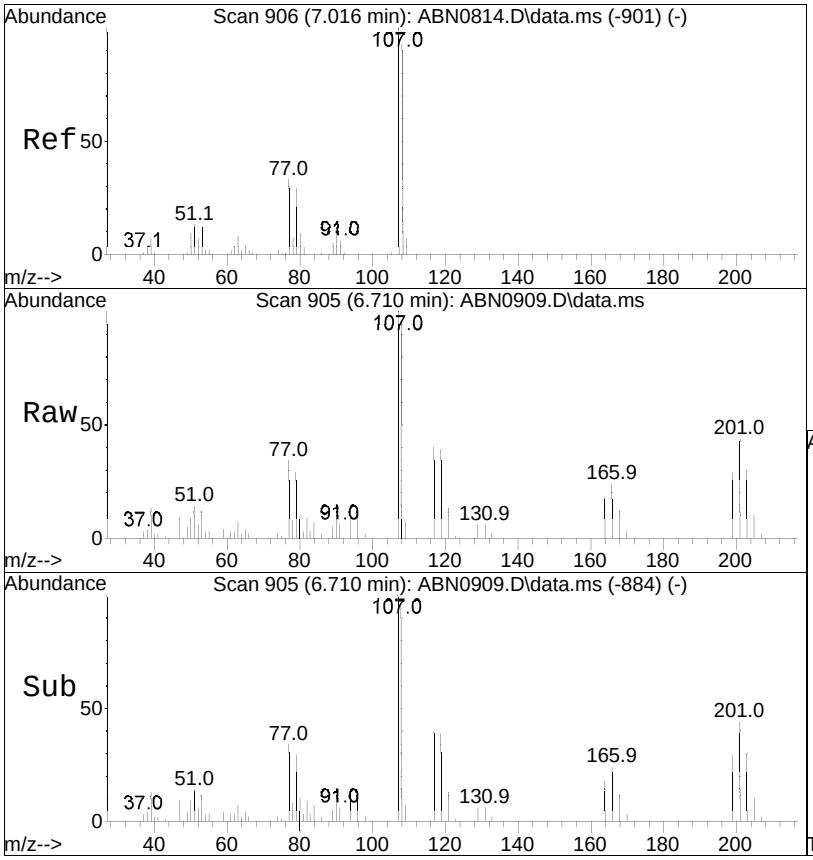


#17
n-Nitrosodi-n-propylamine
Concen: 5.04 ug/ml
RT: 6.663 min Scan# 897
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 70 Resp: 10278

Ion	Ratio	Lower	Upper
70	100		
130	18.7	18.2	27.4
101	9.4	7.8	11.8

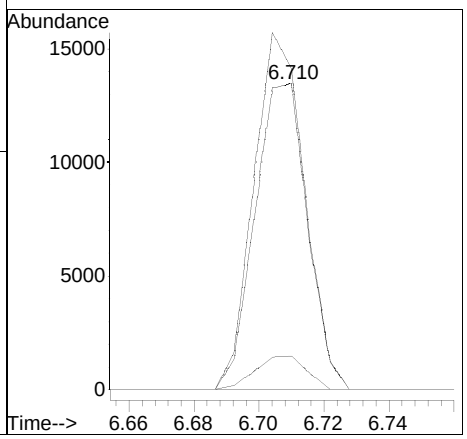


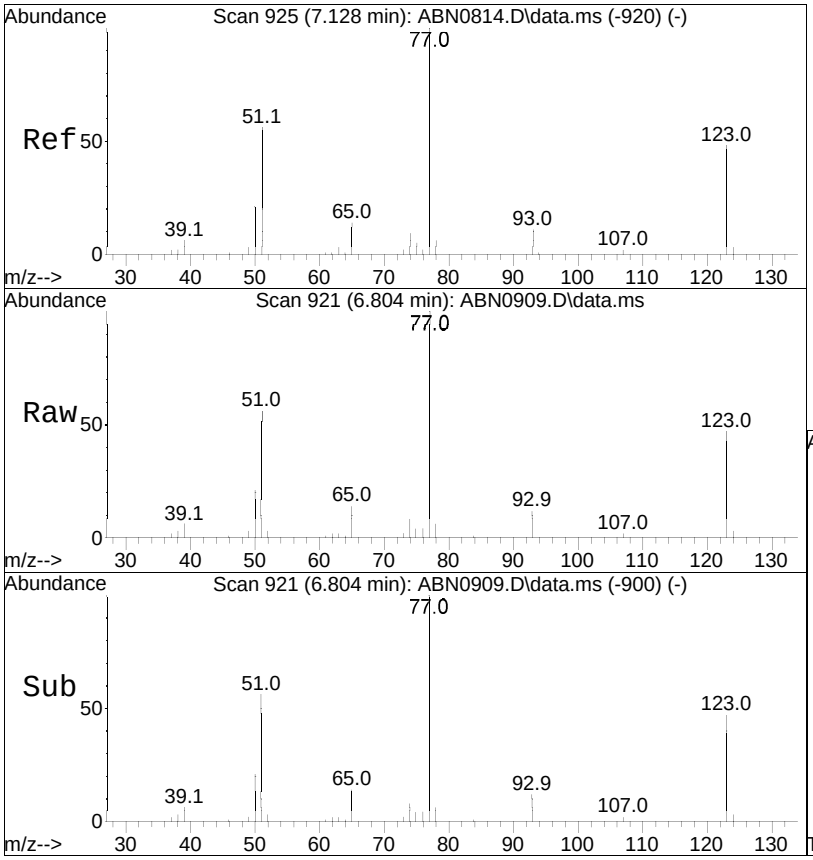


#18
3-Methylphenol/4-Methylphenol
Concen: 5.13 ug/ml
RT: 6.710 min Scan# 905
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:108 Resp: 15066

Ion	Ratio	Lower	Upper
108	100		
107	112.5	88.6	132.8
90	10.7	8.8	13.2

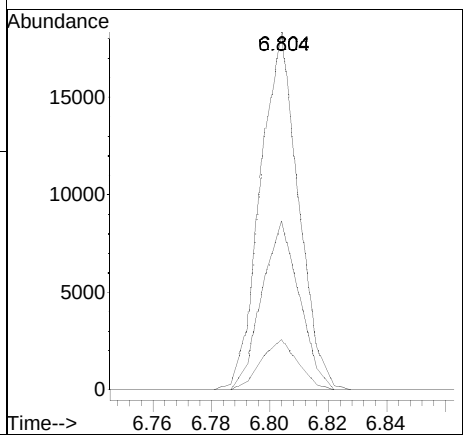


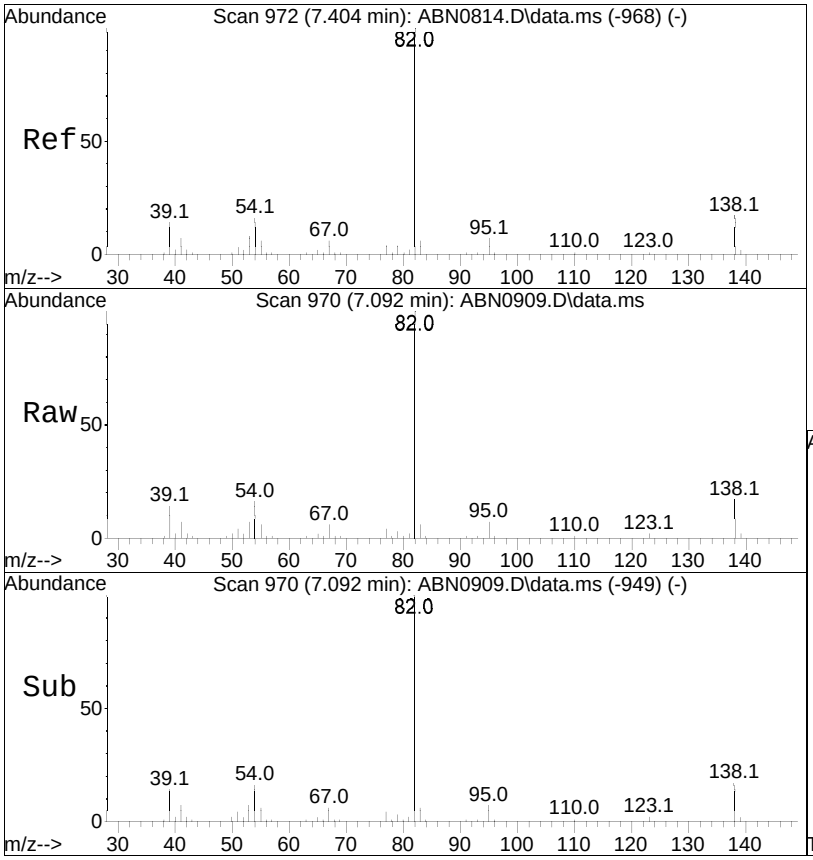


#20
Nitrobenzene
Concen: 5.30 ug/ml
RT: 6.804 min Scan# 921
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 77 Resp: 16432

Ion	Ratio	Lower	Upper
77	100		
123	46.5	36.3	54.5
65	13.7	11.6	17.4

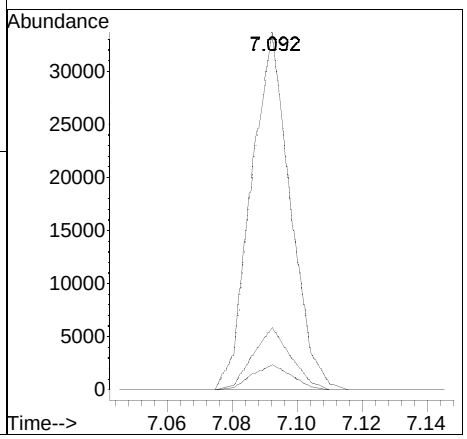


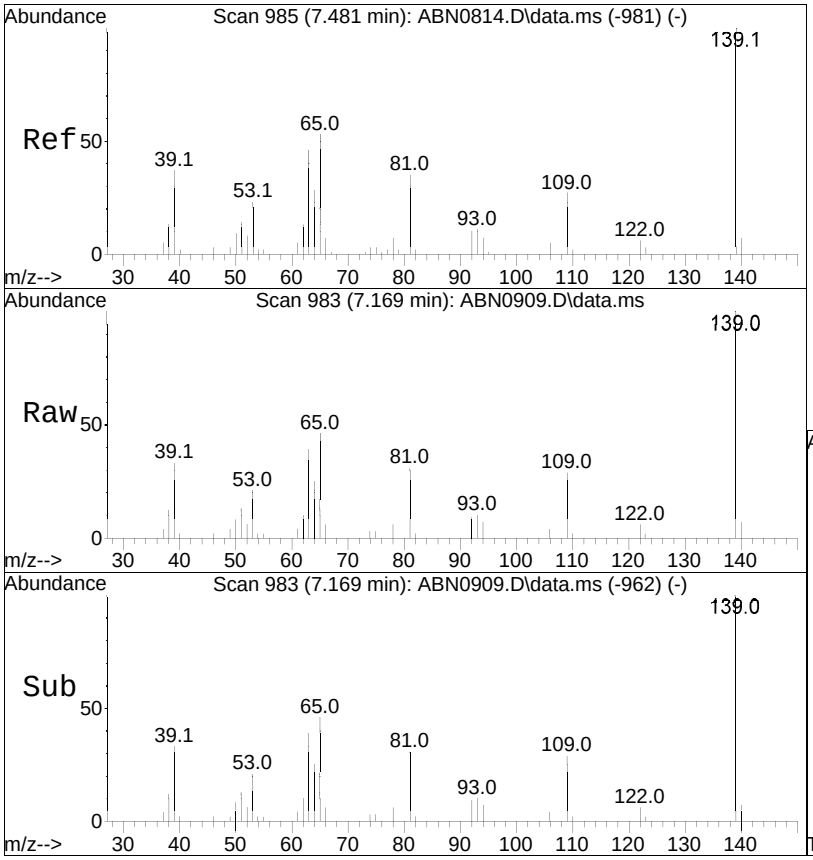


#21
Isophorone
Concen: 5.03 ug/ml
RT: 7.092 min Scan# 970
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 82 Resp: 27851

Ion	Ratio	Lower	Upper
82	100		
138	17.0	14.7	22.1
95	7.2	5.2	7.8

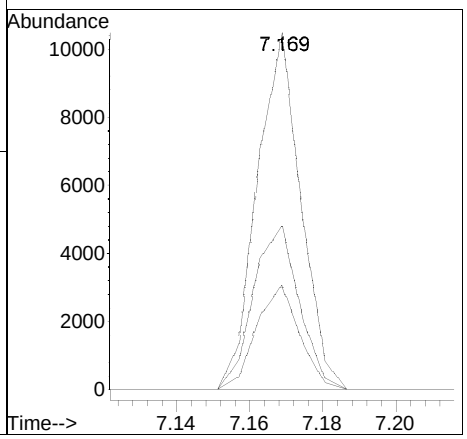


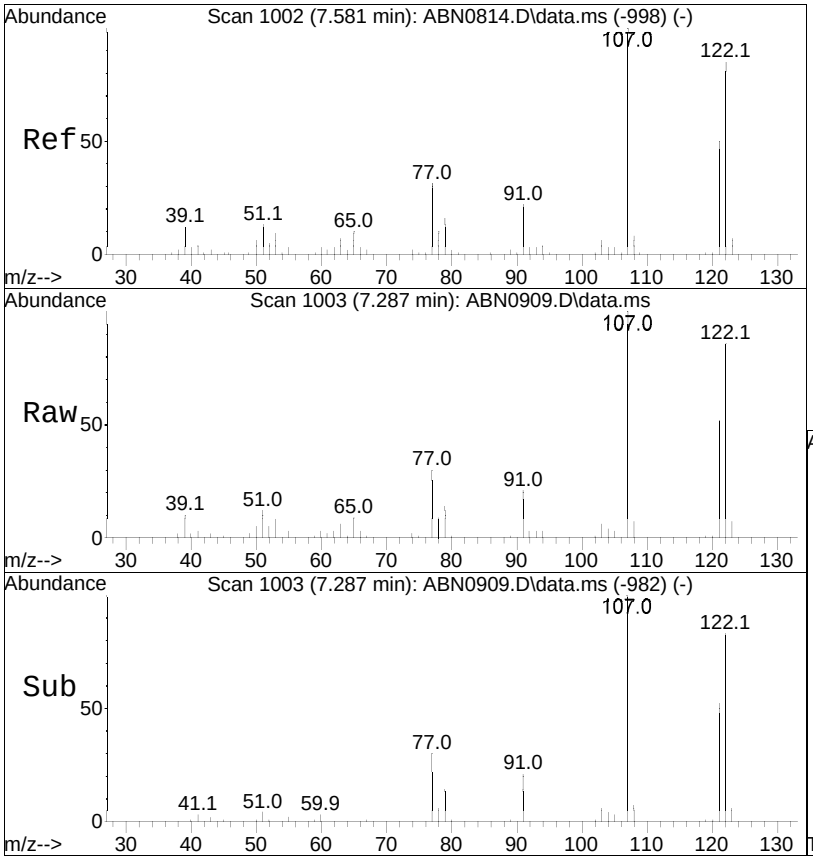


#22
2-Nitrophenol
Concen: 5.49 ug/ml
RT: 7.169 min Scan# 983
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:139 Resp: 8646

Ion	Ratio	Lower	Upper
139	100		
109	29.2	19.4	29.0#
65	48.5	46.1	69.1

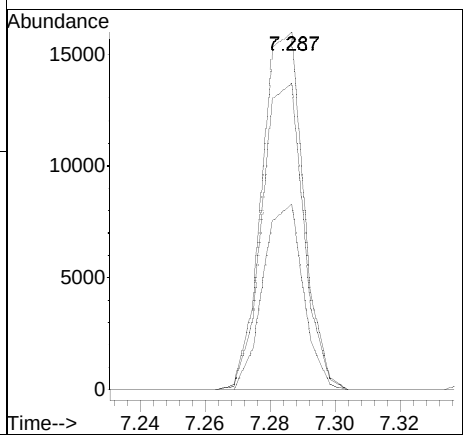


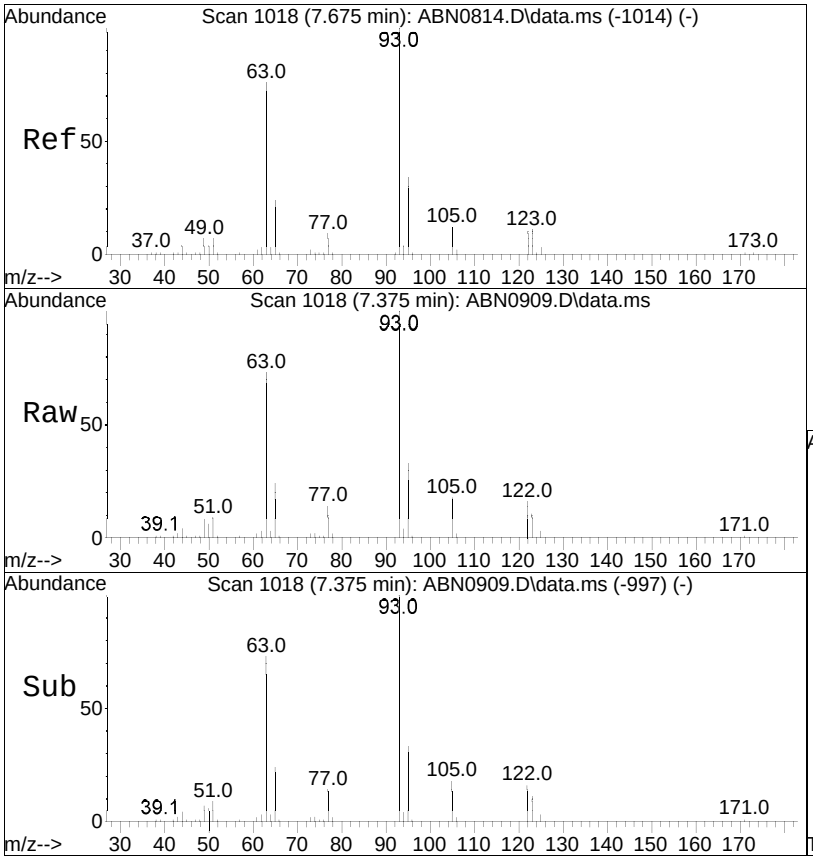


#23
2,4-Dimethylphenol
Concen: 5.51 ug/ml
RT: 7.287 min Scan# 1003
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:107 Resp: 14096

Ion	Ratio	Lower	Upper
107	100		
121	50.4	40.0	60.0
122	85.4	70.2	105.4

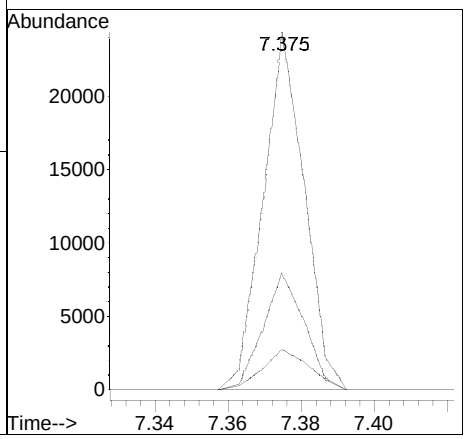


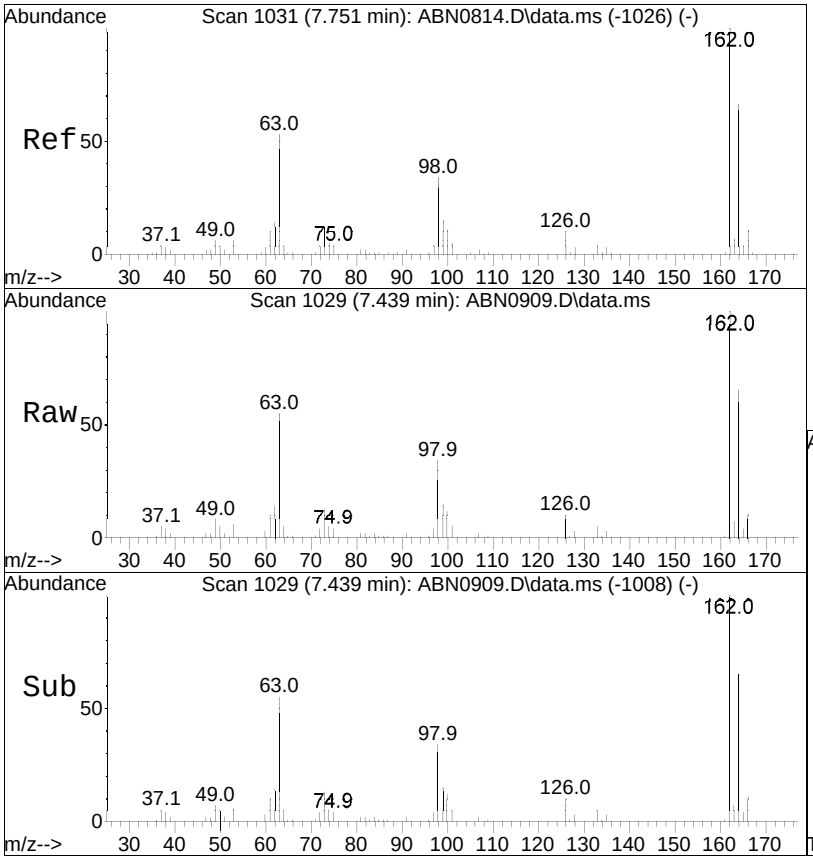


#24
Bis(2-chloroethoxy)methane
Concen: 5.02 ug/ml
RT: 7.375 min Scan# 1018
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 93 Resp: 18820

Ion	Ratio	Lower	Upper
93	100		
95	32.9	25.8	38.8
123	13.0	10.1	15.1

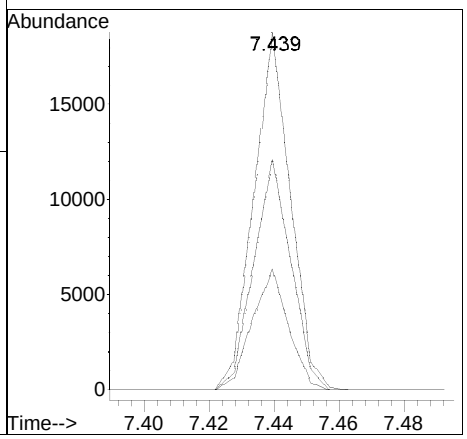


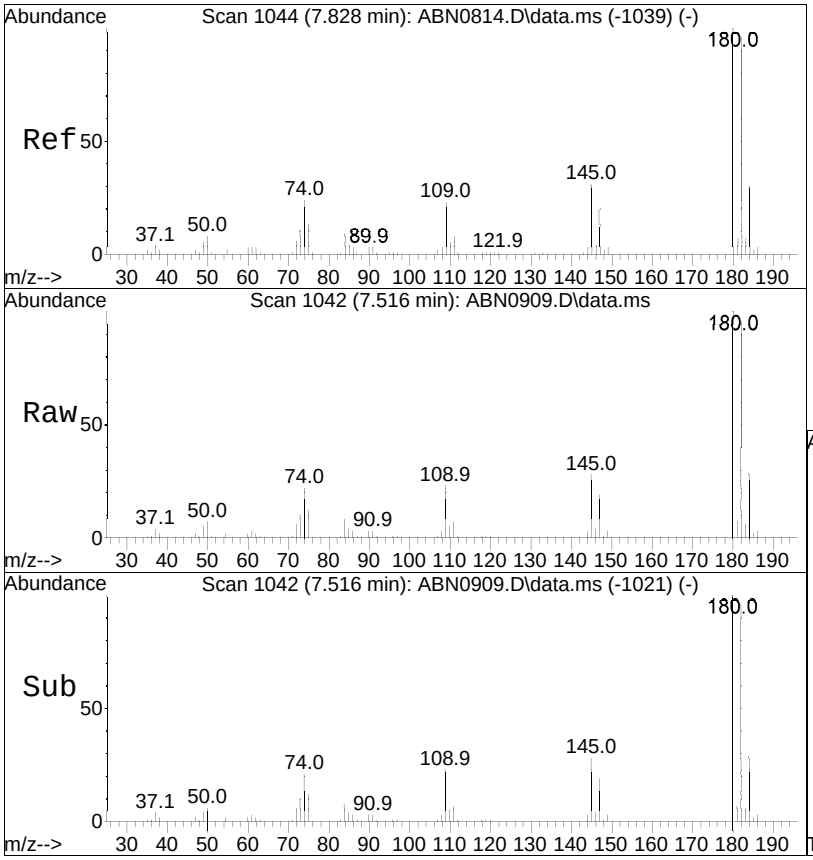


#25
2,4-Dichlorophenol
Concen: 5.22 ug/ml
RT: 7.439 min Scan# 1029
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:162 Resp: 14561

Ion	Ratio	Lower	Upper
162	100		
164	65.4	51.0	76.4
98	33.6	32.2	48.2

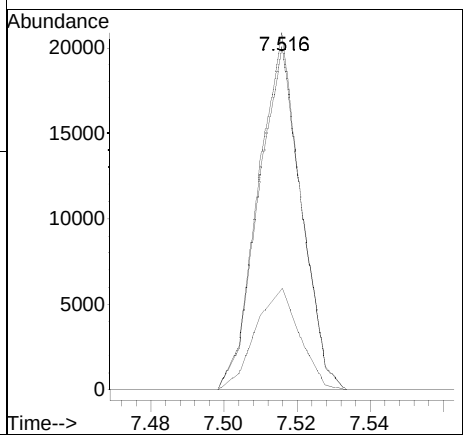


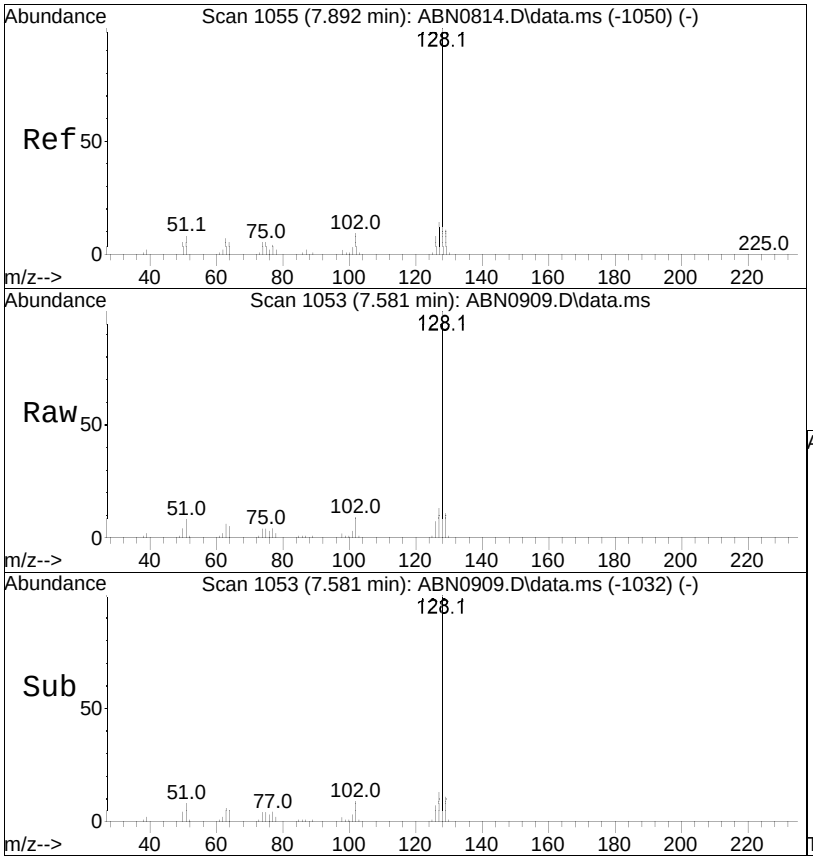


#26
1,2,4-Trichlorobenzene
Concen: 5.05 ug/ml
RT: 7.516 min Scan# 1042
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:180 Resp: 16771

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.0	114.0
145	29.7	25.7	38.5

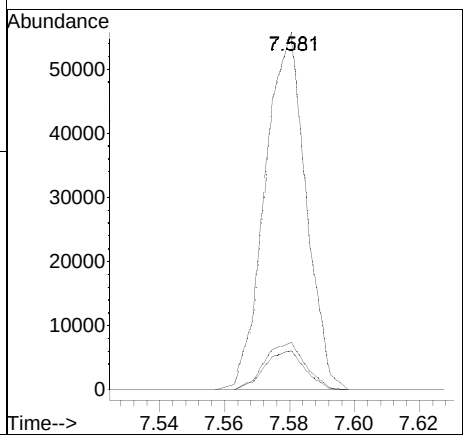


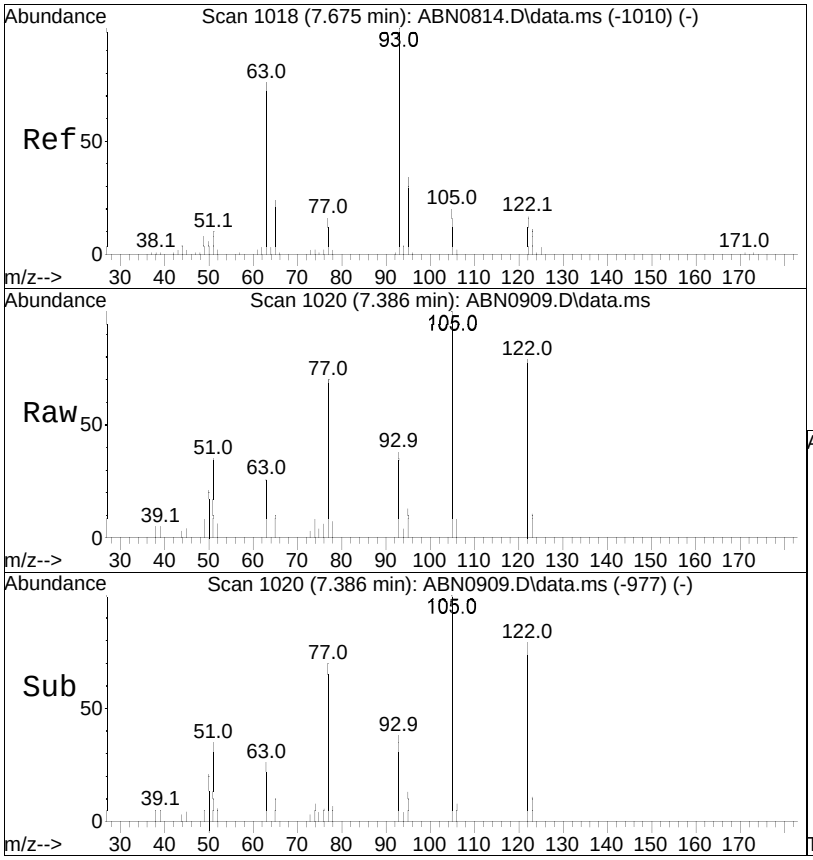


#36
Naphthalene
Concen: 4.76 ug/ml
RT: 7.581 min Scan# 1053
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:128 Resp: 48176

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.4	10.3	15.5

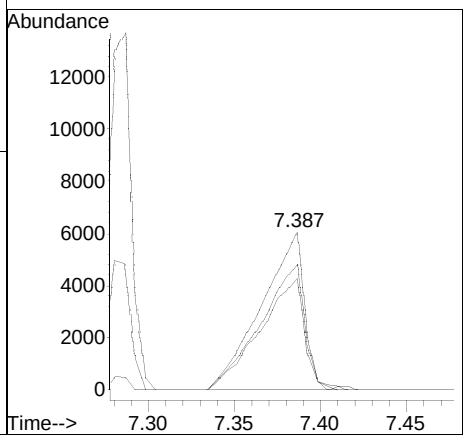


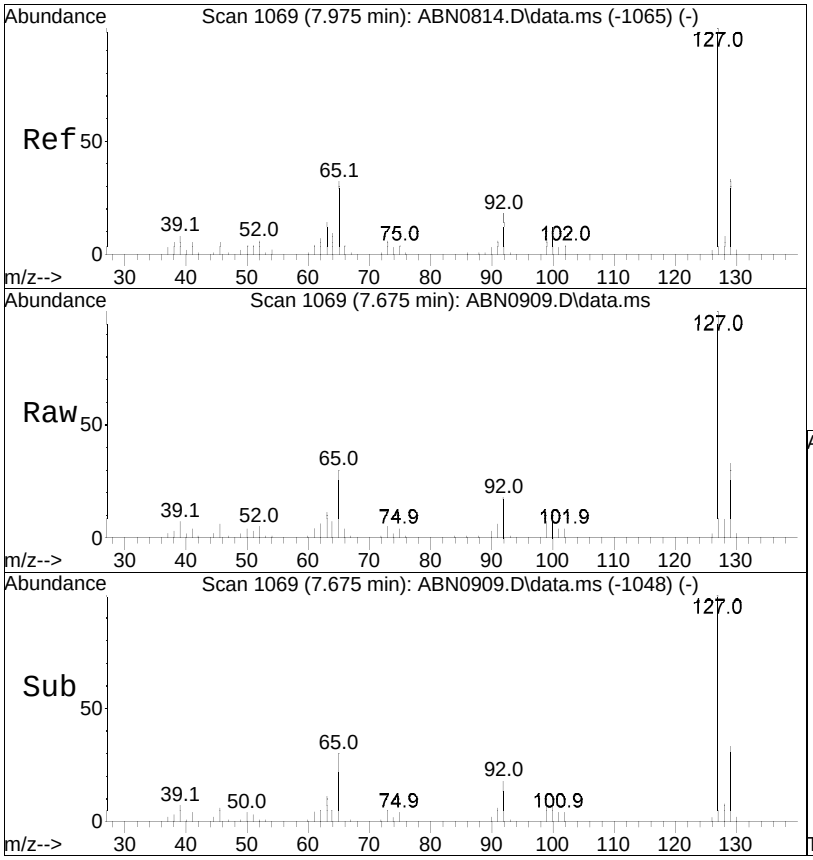


#37
Benzoic Acid
Concen: 5.84 ug/ml
RT: 7.386 min Scan# 1020
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:105 Resp: 10620

Ion	Ratio	Lower	Upper
105	100		
122	80.9	59.9	89.9
77	72.3	60.1	90.1

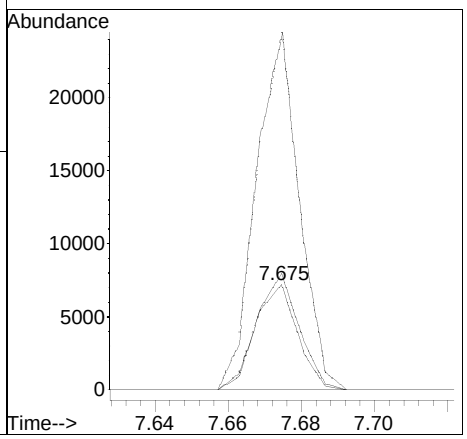


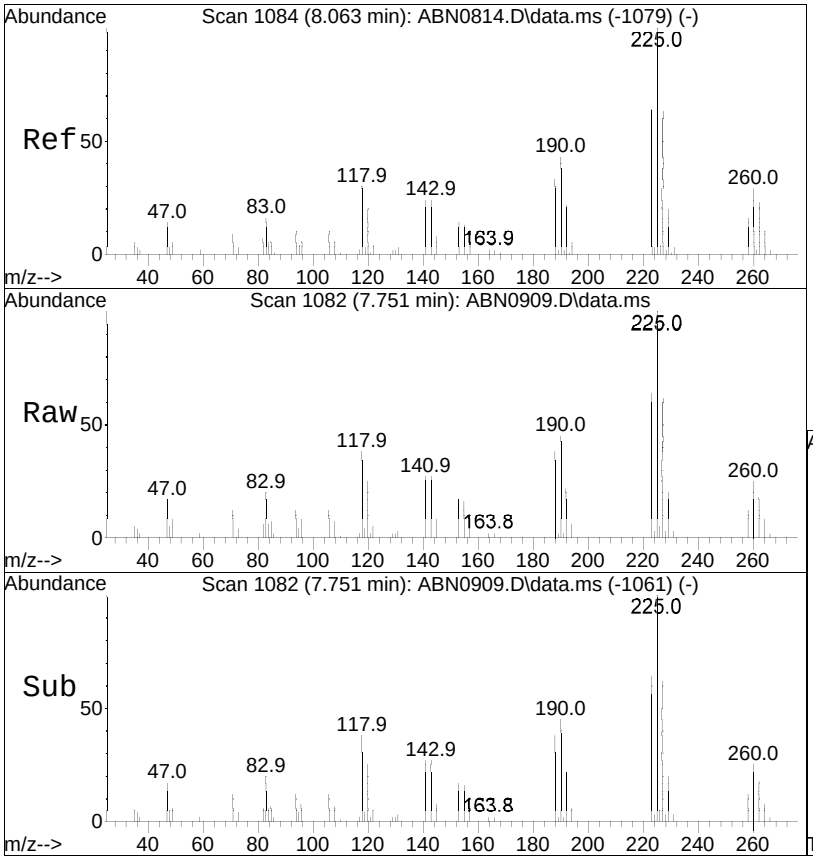


#38
4-Chloroaniline
Concen: 5.16 ug/ml
RT: 7.675 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 65 Resp: 5835

Ion	Ratio	Lower	Upper
65	100		
127	339.1	237.6	356.4
129	109.3	76.3	114.5

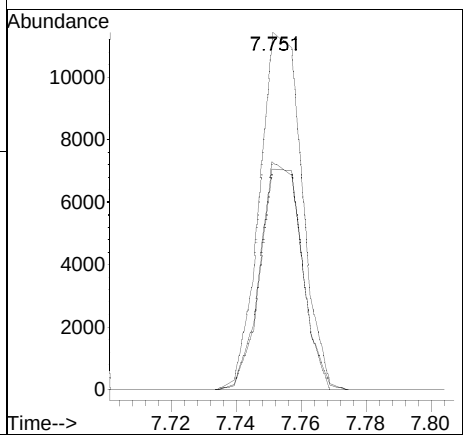


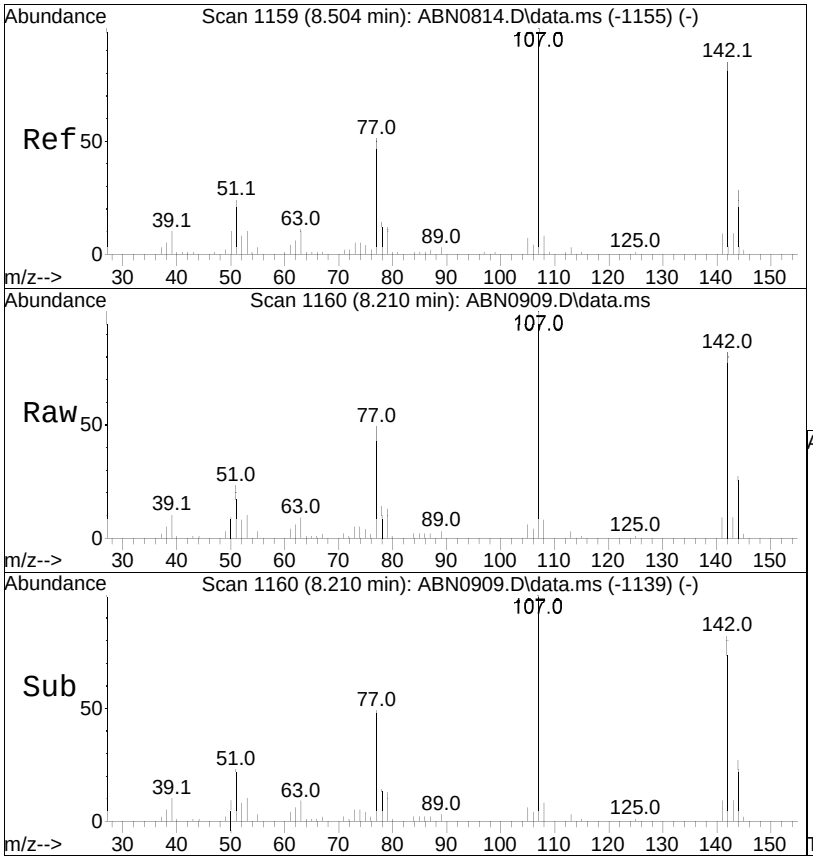


#39
Hexachlorobutadiene
Concen: 5.16 ug/ml
RT: 7.751 min Scan# 1082
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:225 Resp: 10330

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	61.9	52.2	78.2

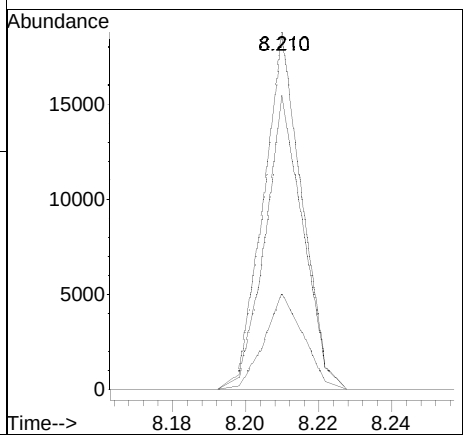


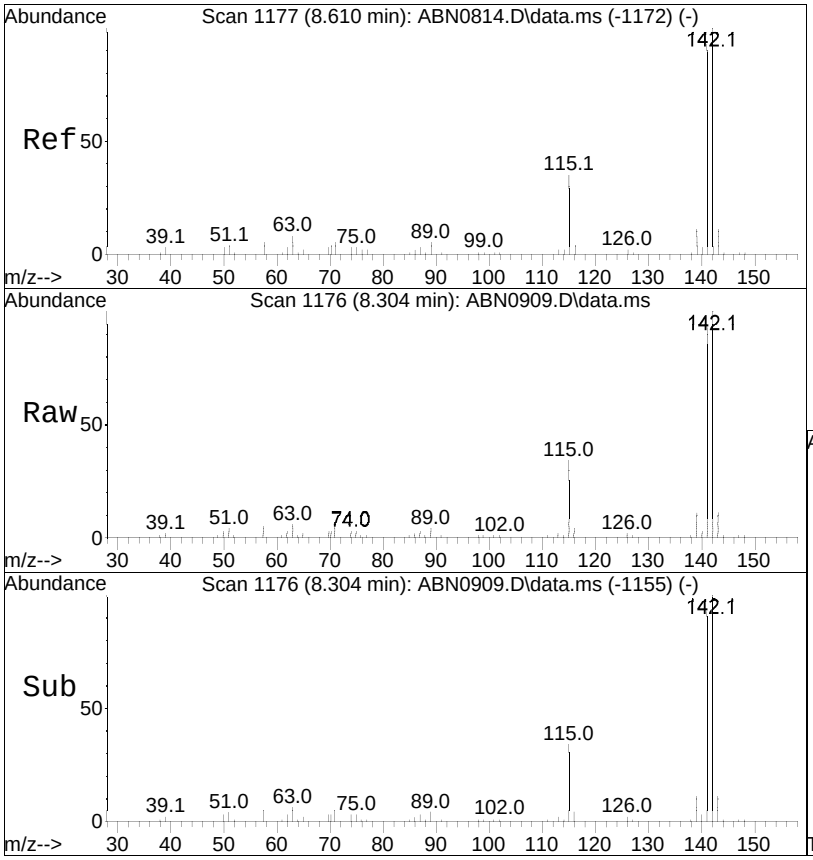


#40
p-Chloro-m-cresol
Concen: 5.38 ug/ml
RT: 8.210 min Scan# 1160
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:107 Resp: 13611

Ion	Ratio	Lower	Upper
107	100		
144	27.3	20.9	31.3
142	81.5	66.1	99.1

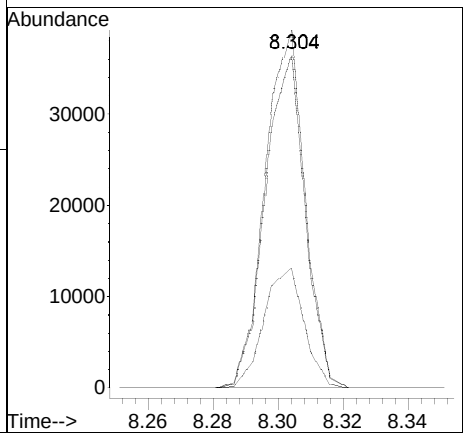


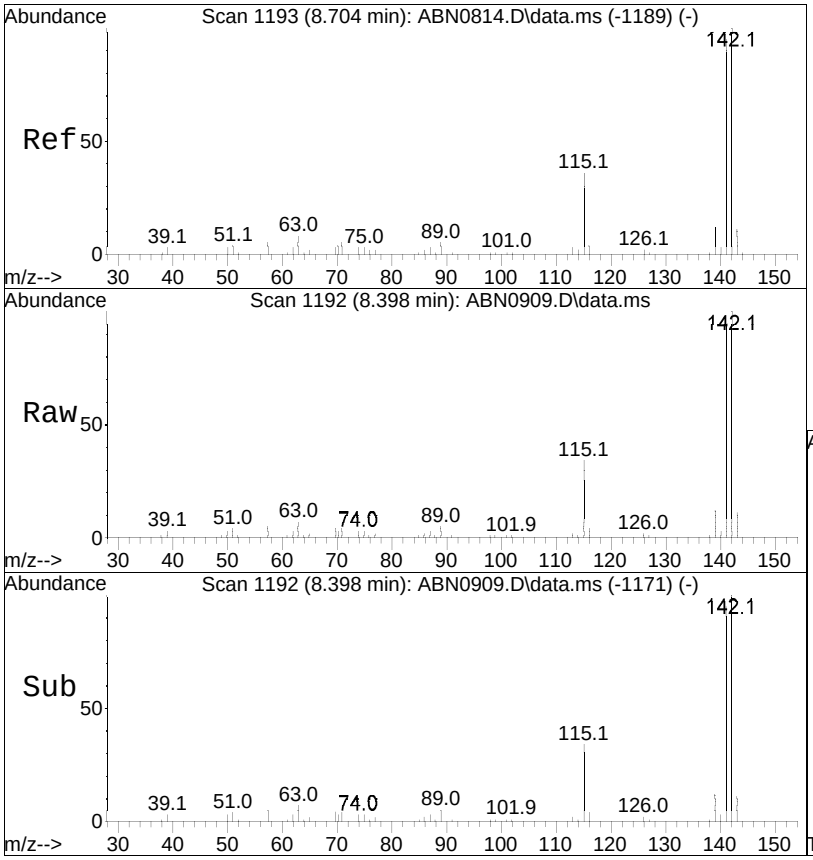


#41
2-Methylnaphthalene
Concen: 5.01 ug/ml
RT: 8.304 min Scan# 1176
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:142 Resp: 33053

Ion	Ratio	Lower	Upper
142	100		
141	92.4	69.6	104.4
115	33.9	26.6	40.0

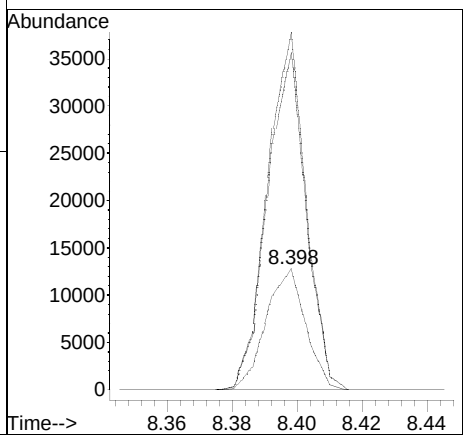


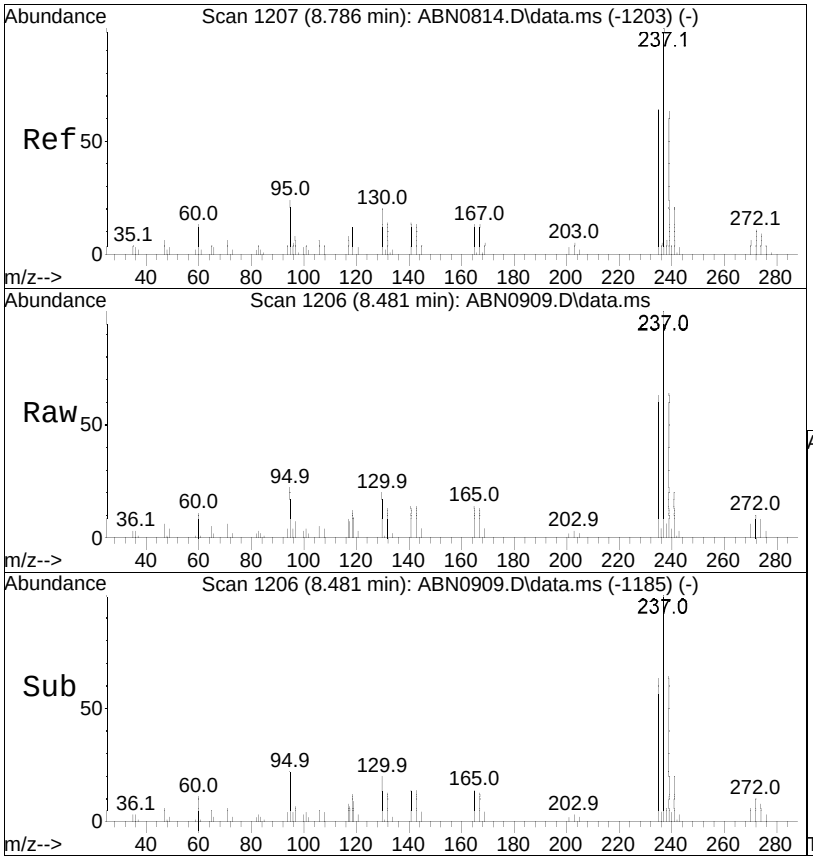


#42
1-Methylnaphthalene
Concen: 5.05 ug/ml
RT: 8.398 min Scan# 1192
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:115 Resp: 10756

Ion	Ratio	Lower	Upper
115	100		
141	270.8	207.8	311.6
142	286.3	226.8	340.2

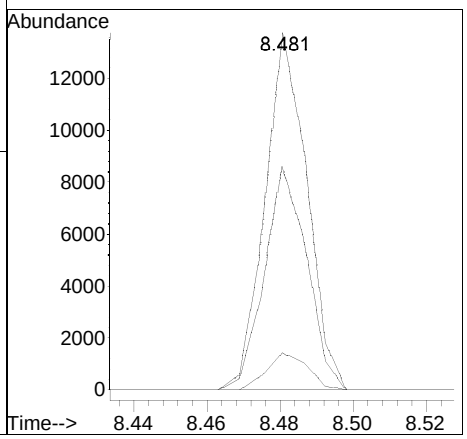


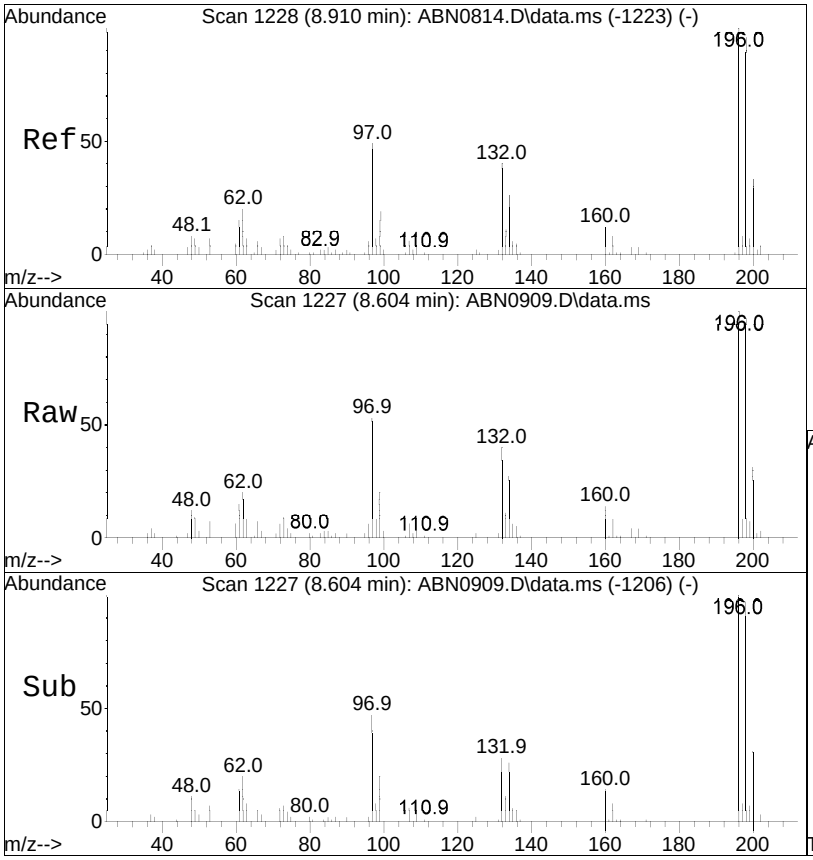


#43
Hexachlorocyclopentadiene
Concen: 5.75 ug/ml
RT: 8.481 min Scan# 1206
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:237 Resp: 10886

Ion	Ratio	Lower	Upper
237	100		
235	63.4	49.7	74.5
272	10.3	9.8	14.6

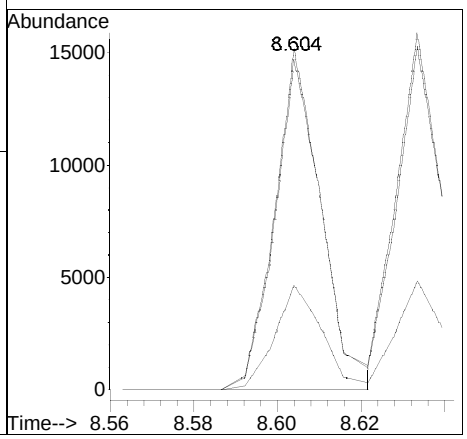


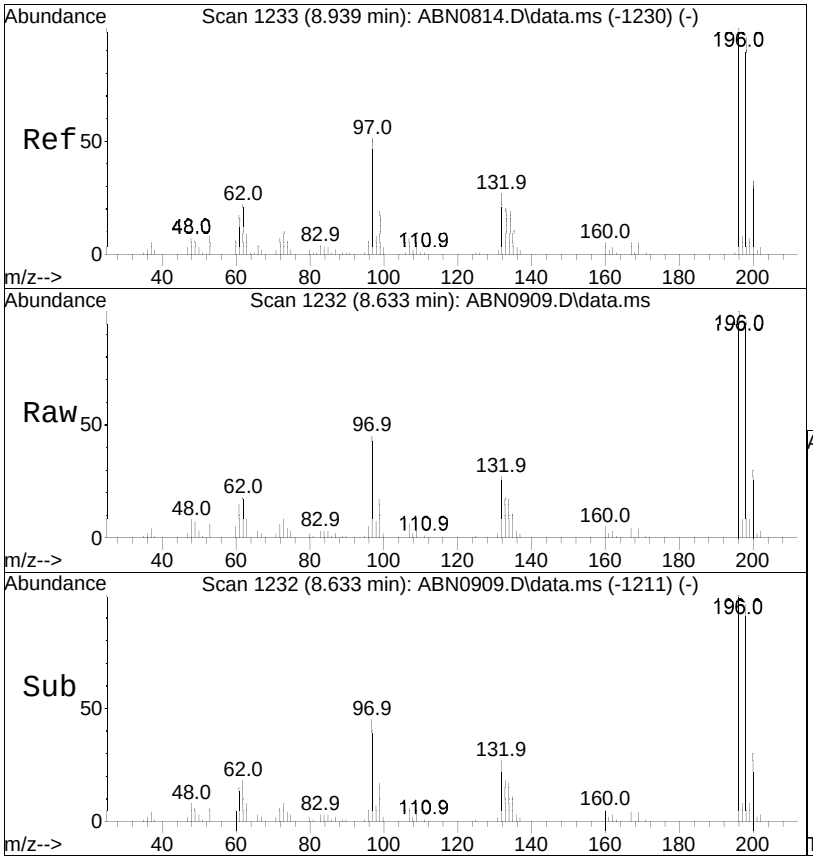


#44
2,4,6-Trichlorophenol
Concen: 5.61 ug/ml
RT: 8.604 min Scan# 1227
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:196 Resp: 11745

Ion	Ratio	Lower	Upper
196	100		
198	97.3	77.5	116.3
200	31.4	23.8	35.6

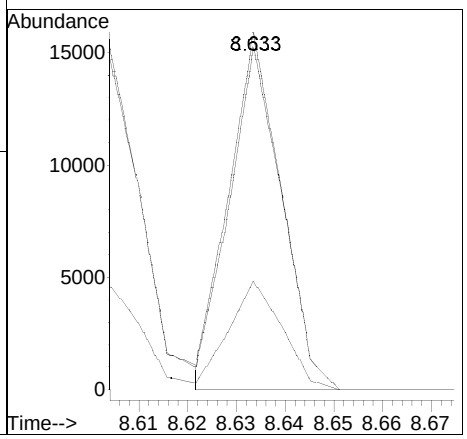


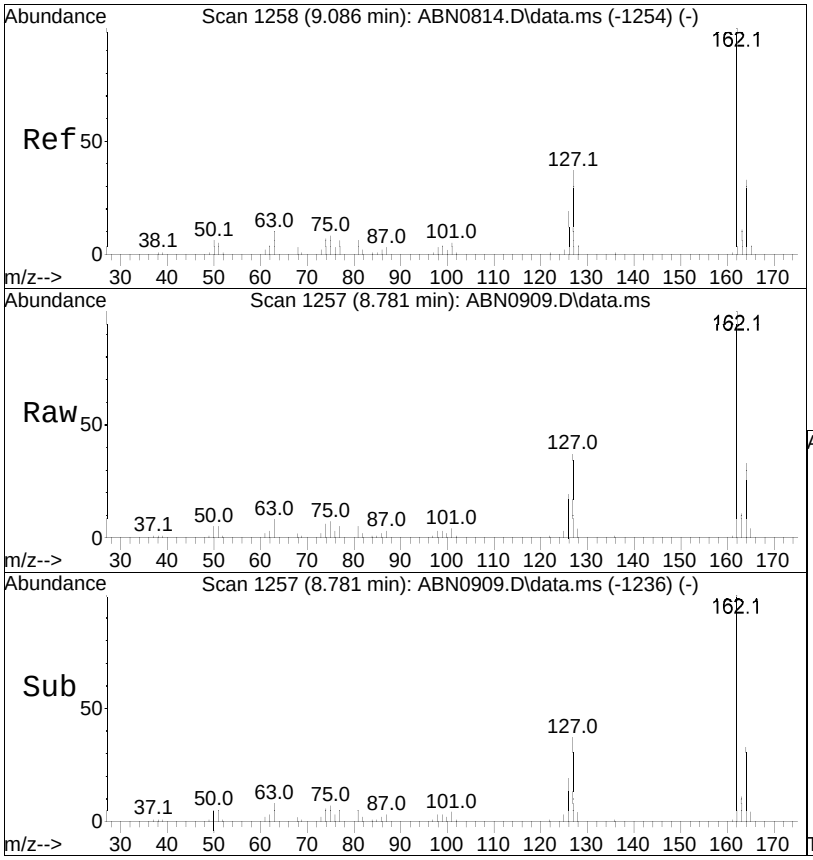


#45
2,4,5-Trichlorophenol
Concen: 5.31 ug/ml
RT: 8.633 min Scan# 1232
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:196 Resp: 11804

Ion	Ratio	Lower	Upper
196	100		
200	30.9	25.4	38.0
198	96.1	78.0	117.0

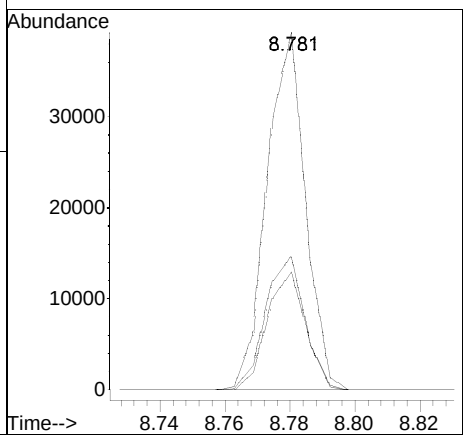


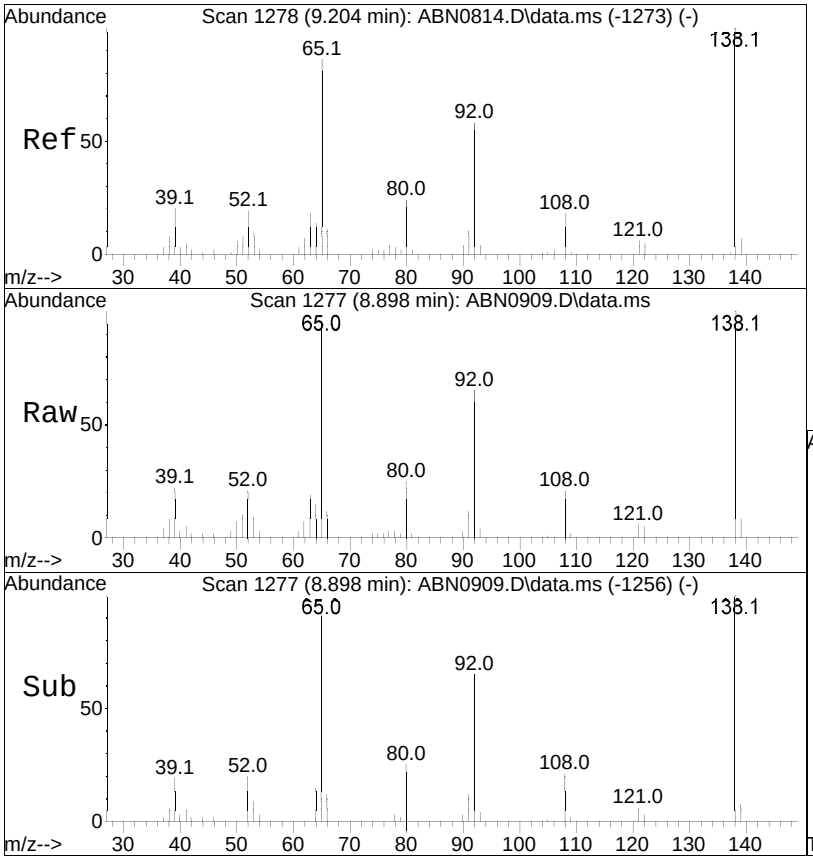


#47
2-Chloronaphthalene
Concen: 4.68 ug/ml
RT: 8.781 min Scan# 1257
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:162 Resp: 31943

Ion	Ratio	Lower	Upper
162	100		
127	38.2	32.2	48.4
164	33.4	25.7	38.5

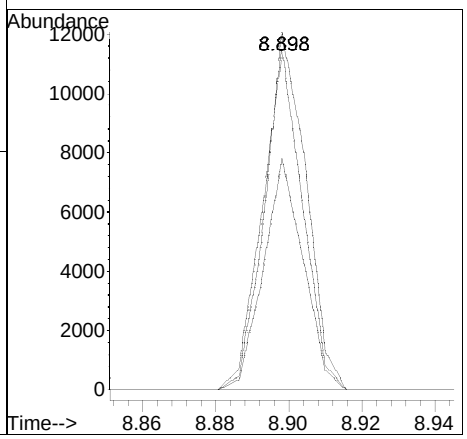


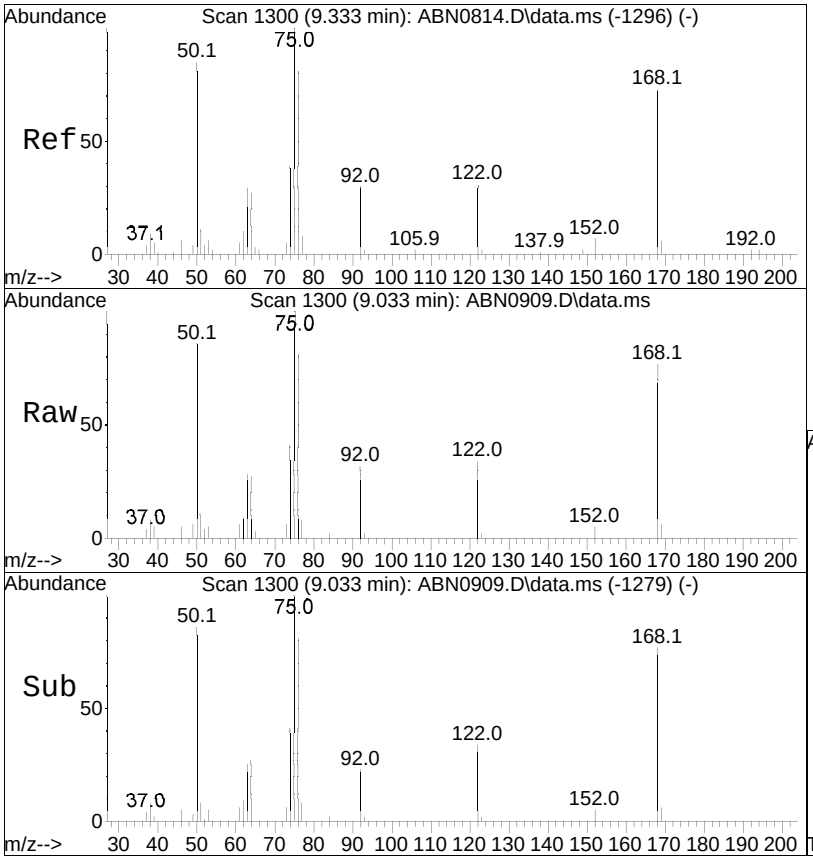


#48
2-Nitroaniline
Concen: 5.10 ug/ml
RT: 8.898 min Scan# 1277
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:138 Resp: 9312

Ion	Ratio	Lower	Upper
138	100		
92	62.9	53.5	80.3
65	92.8	86.3	129.5

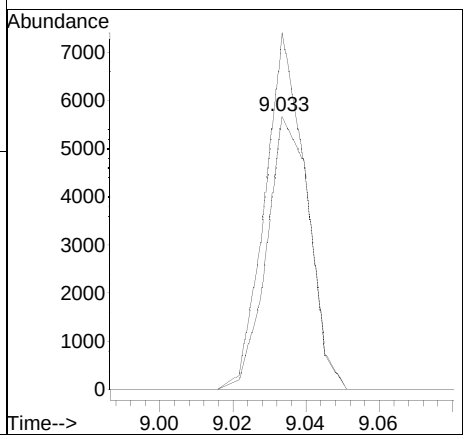


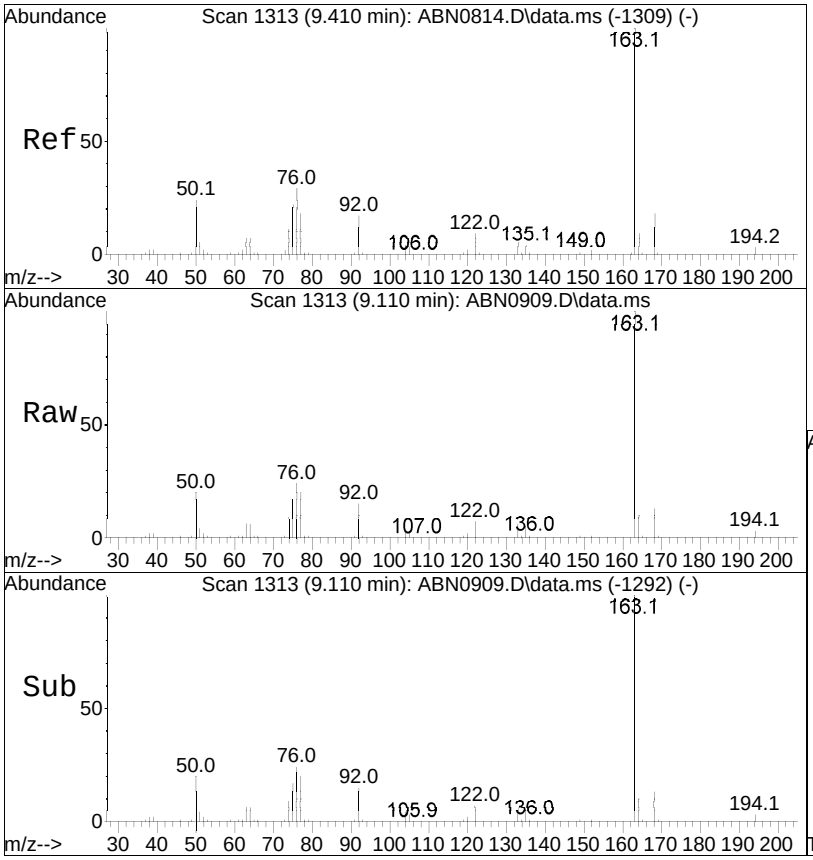


#49
1,4-Dinitrobenzene
Concen: 4.76 ug/ml
RT: 9.033 min Scan# 1300
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:168 Resp: 4678

Ion	Ratio	Lower	Upper
168	100		
75	122.0	121.8	182.8

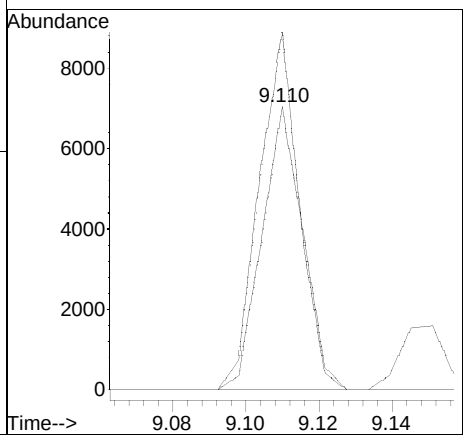


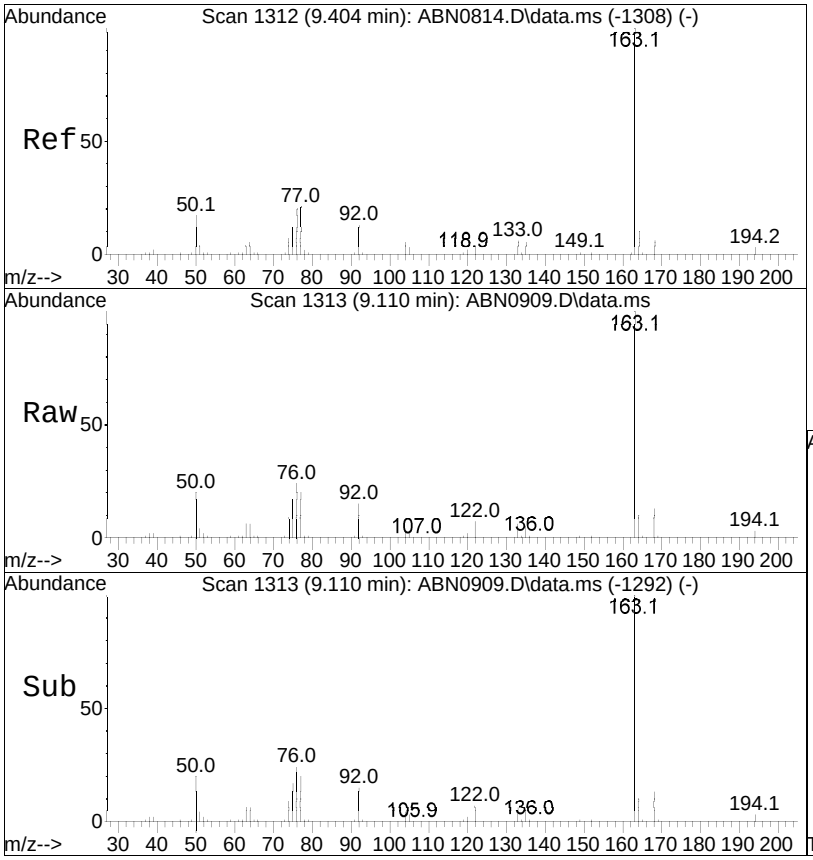


#50
1,3-Dinitrobenzene
Concen: 4.69 ug/ml
RT: 9.110 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:168 Resp: 5407

Ion	Ratio	Lower	Upper
168	100		
75	123.8	22.7	34.1#

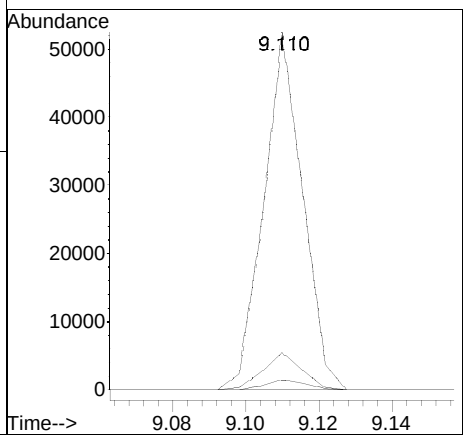


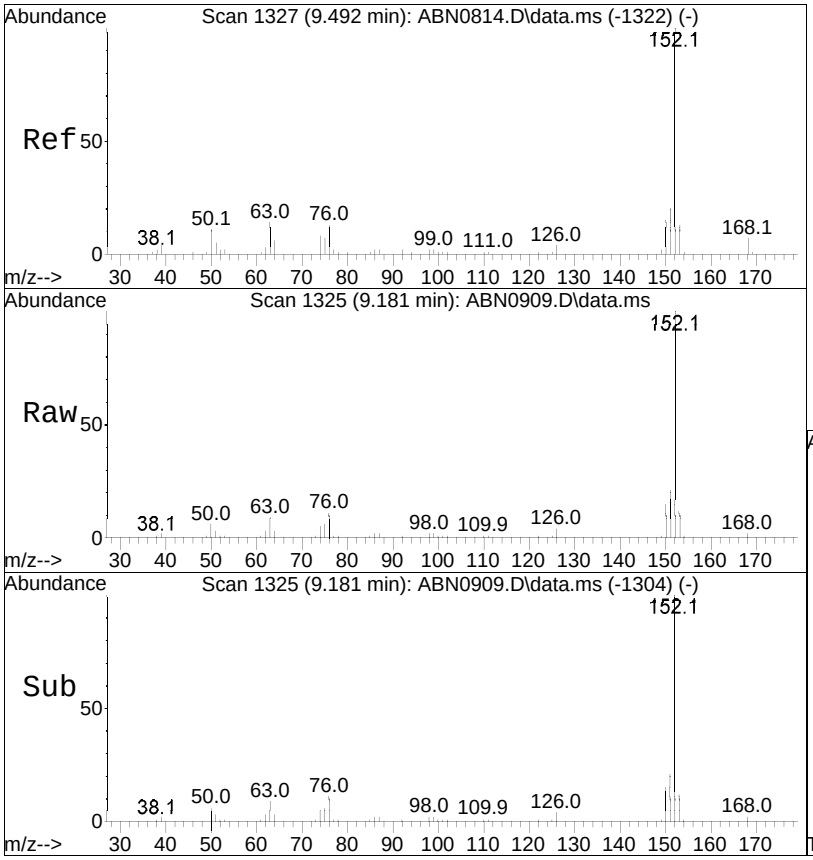


#51
Dimethyl phthalate
Concen: 4.97 ug/ml
RT: 9.110 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:163 Resp: 38313

Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.5	5.3#
164	10.5	7.9	11.9

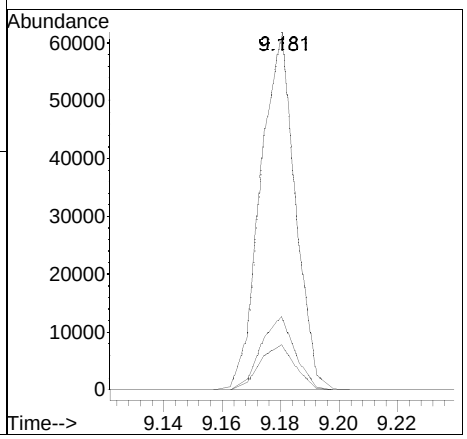


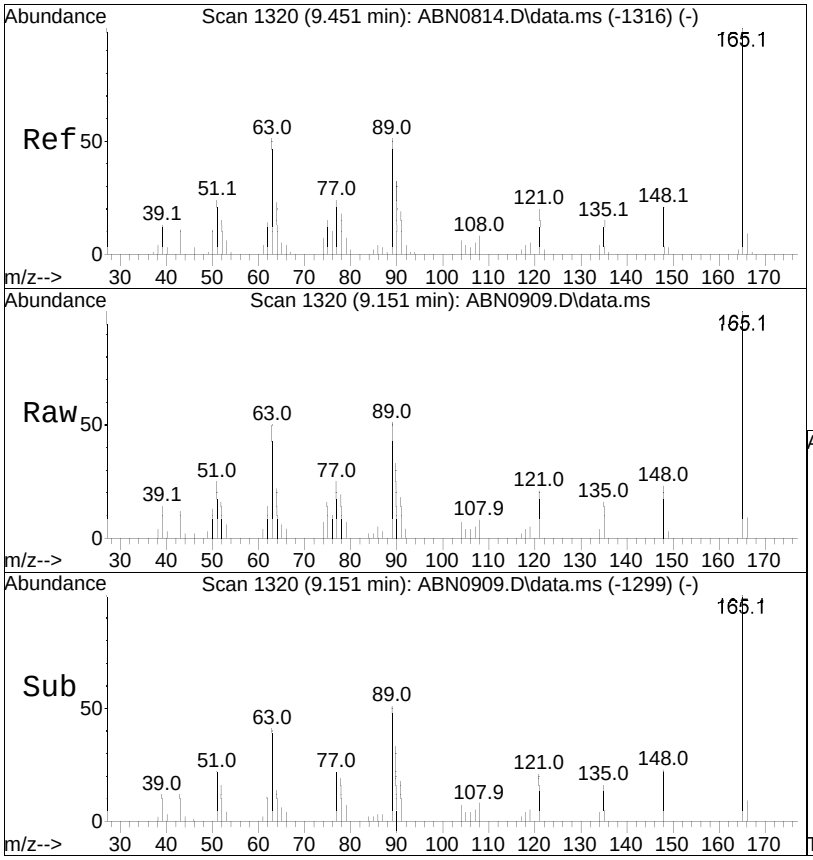


#52
Acenaphthylene
Concen: 4.99 ug/ml
RT: 9.181 min Scan# 1325
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:152 Resp: 50554

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.0	10.5	15.7

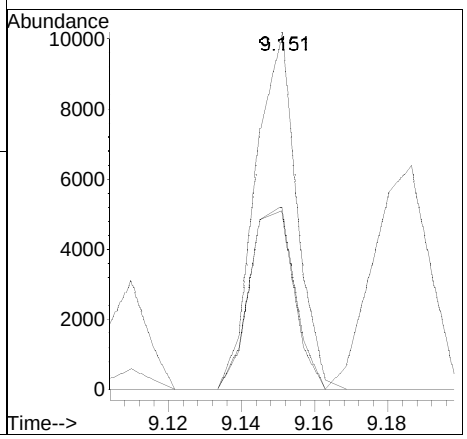


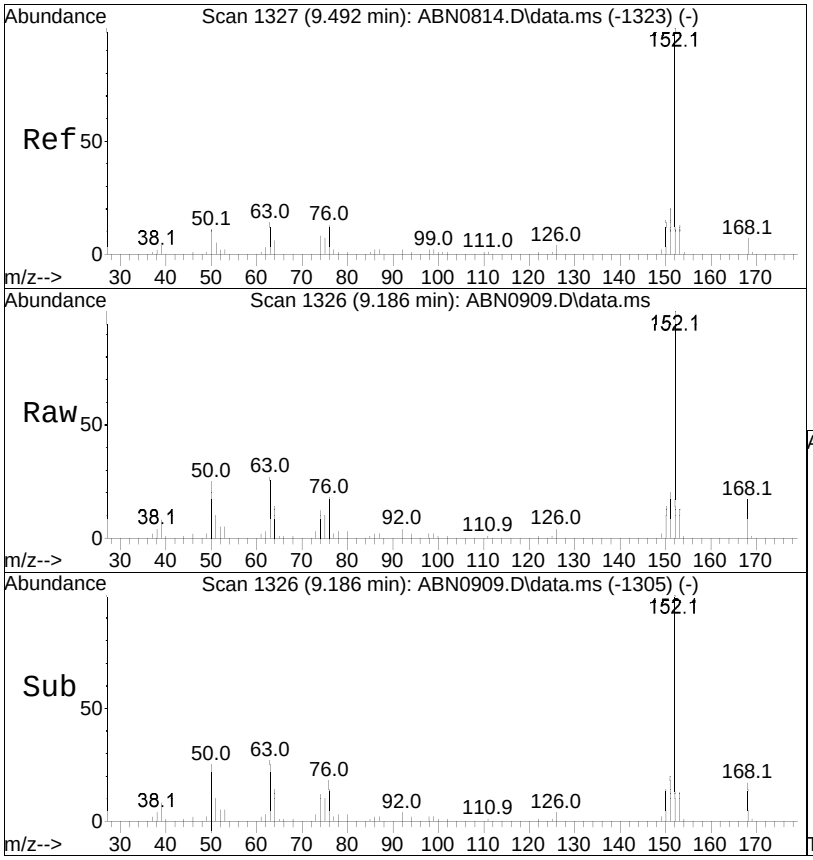


#53
2,6-Dinitrotoluene
Concen: 5.30 ug/ml
RT: 9.151 min Scan# 1320
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:165 Resp: 8001

Ion	Ratio	Lower	Upper
165	100		
89	55.6	54.2	81.2
63	54.6	64.2	96.2#

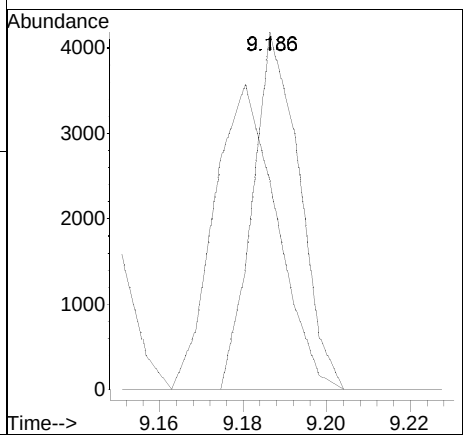


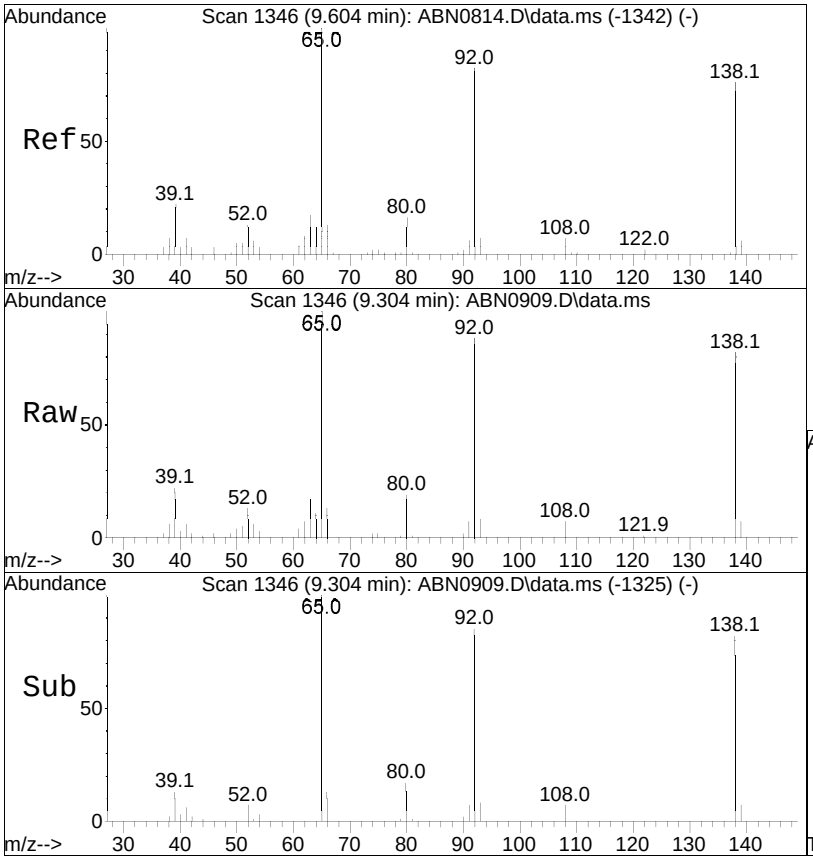


#54
1,2-Dinitrobenzene
Concen: 4.73 ug/ml
RT: 9.186 min Scan# 1326
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:168 Resp: 3247

Ion	Ratio	Lower	Upper
168	100		
75	114.5	30.9	46.3#

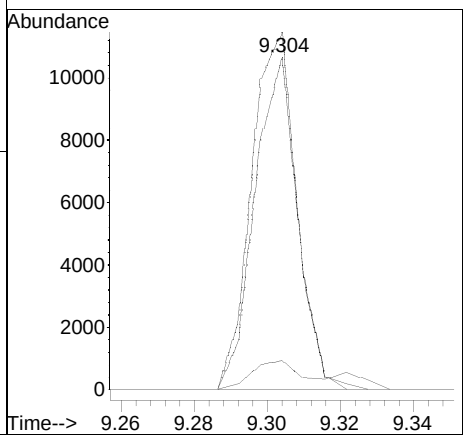


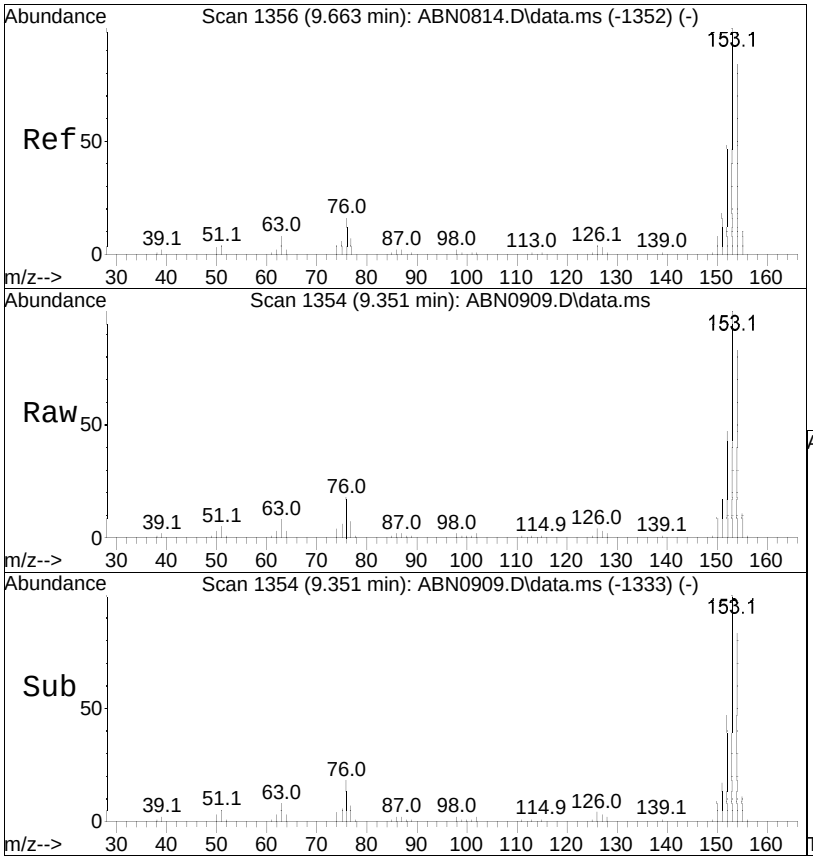


#64
3-Nitroaniline
Concen: 5.17 ug/ml
RT: 9.304 min Scan# 1346
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:138 Resp: 8563

Ion	Ratio	Lower	Upper
138	100		
92	113.9	93.4	140.2
108	14.3	9.5	14.3#

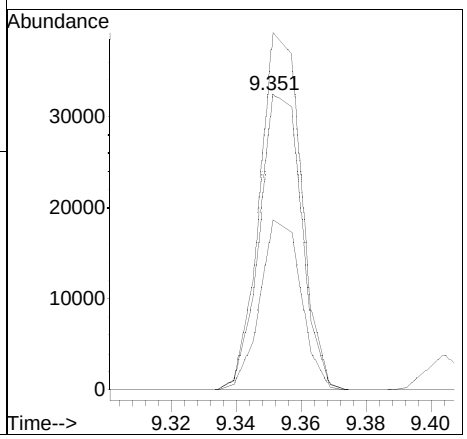


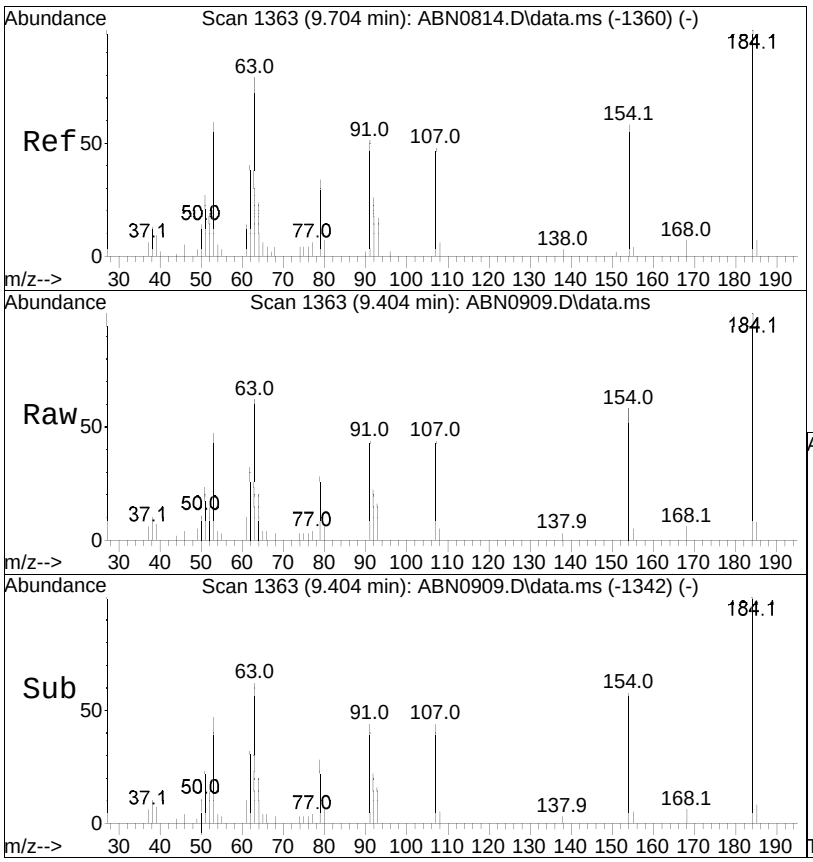


#65
Acenaphthene
Concen: 4.95 ug/ml
RT: 9.351 min Scan# 1354
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:154 Resp: 29156

Ion	Ratio	Lower	Upper
154	100		
153	119.6	85.3	127.9
152	56.2	41.4	62.0

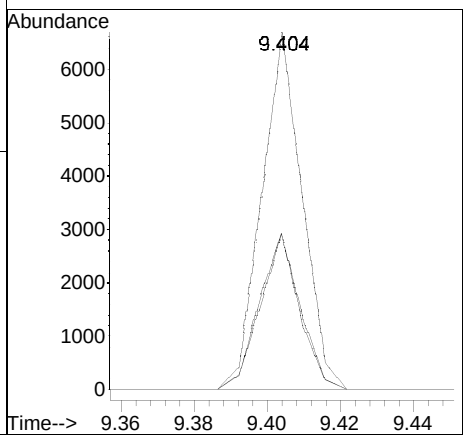


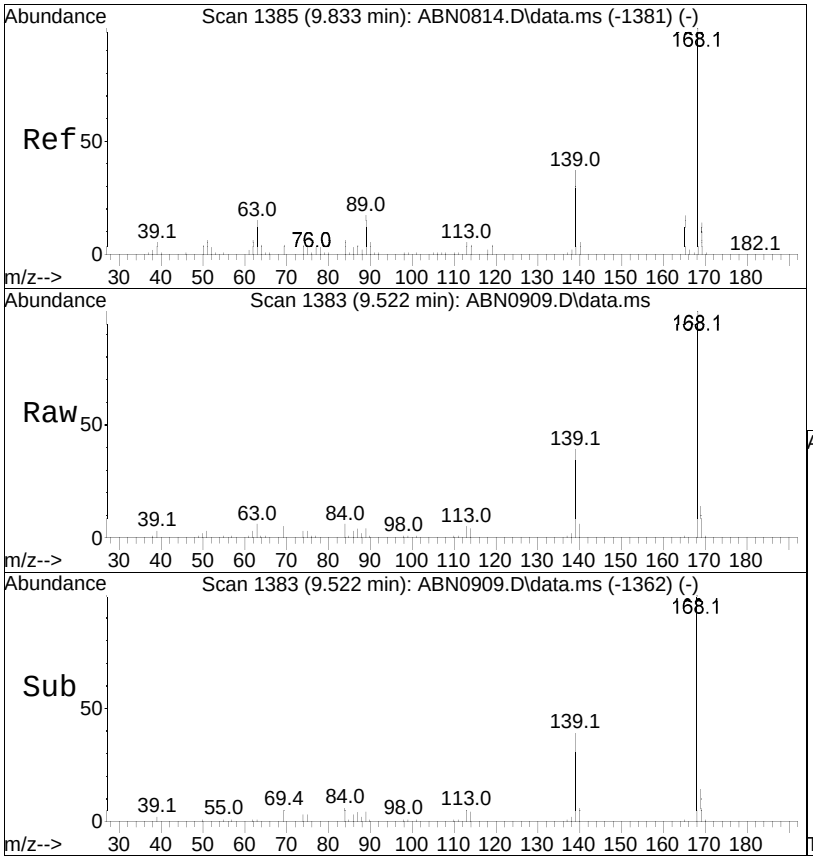


#66
2,4-Dinitrophenol
Concen: 5.29 ug/ml
RT: 9.404 min Scan# 1363
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:184 Resp: 5096

Ion	Ratio	Lower	Upper
184	100		
107	43.3	37.7	56.5
91	43.3	46.3	69.5#

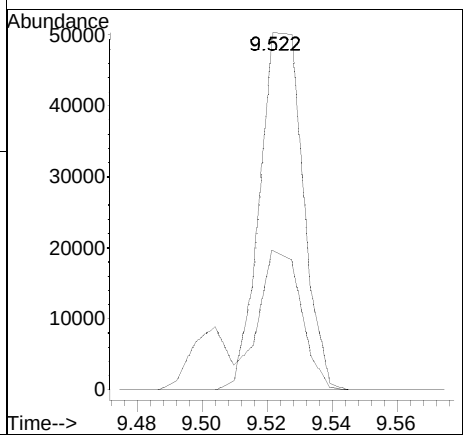


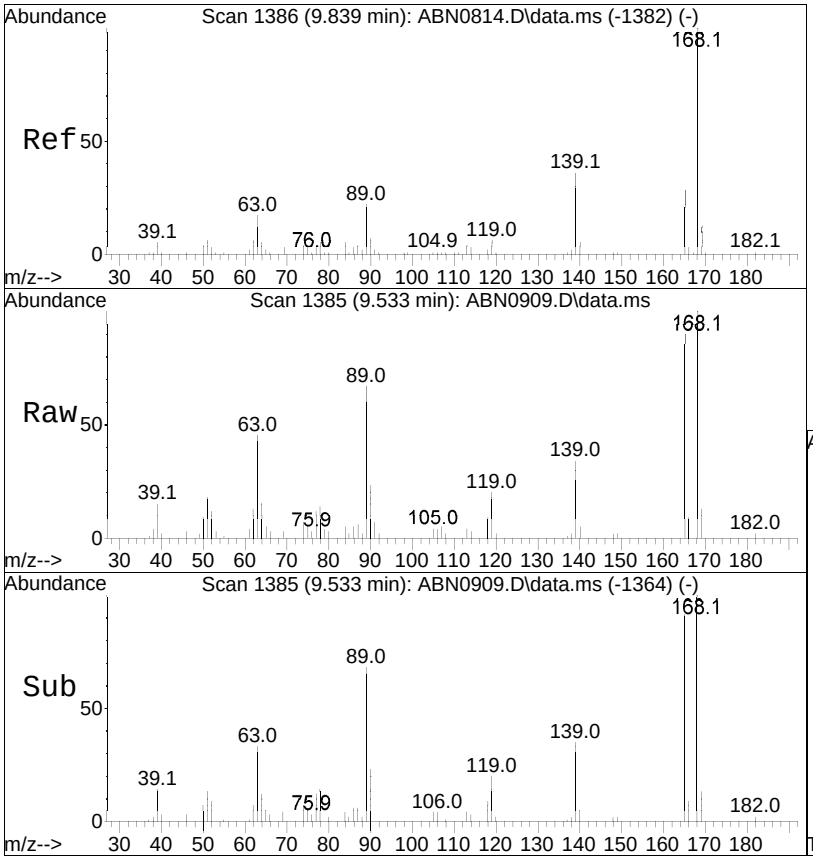


#67
Dibenzofuran
Concen: 4.77 ug/ml
RT: 9.522 min Scan# 1383
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:168 Resp: 46405

Ion	Ratio	Lower	Upper
168	100		
139	53.2	31.4	47.2#

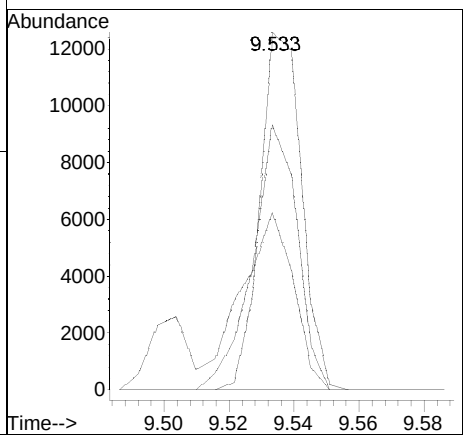


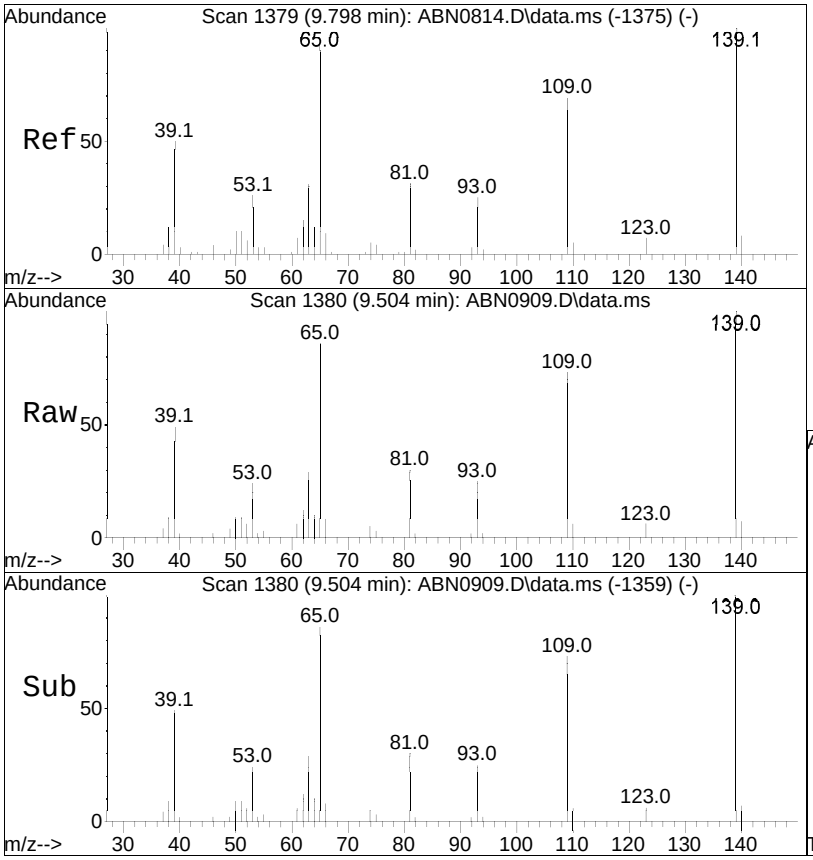


#68
2,4-Dinitrotoluene
Concen: 5.24 ug/ml
RT: 9.533 min Scan# 1385
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:165 Resp: 11067

Ion	Ratio	Lower	Upper
165	100		
89	79.9	72.0	108.0
63	62.6	52.7	79.1

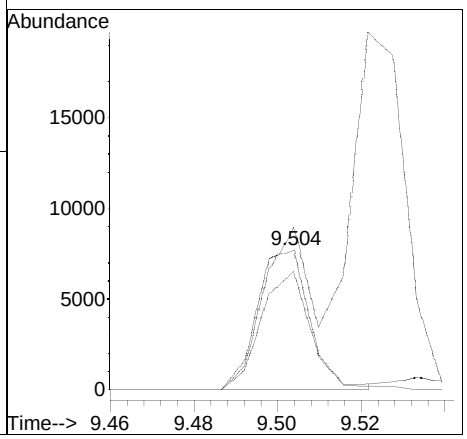


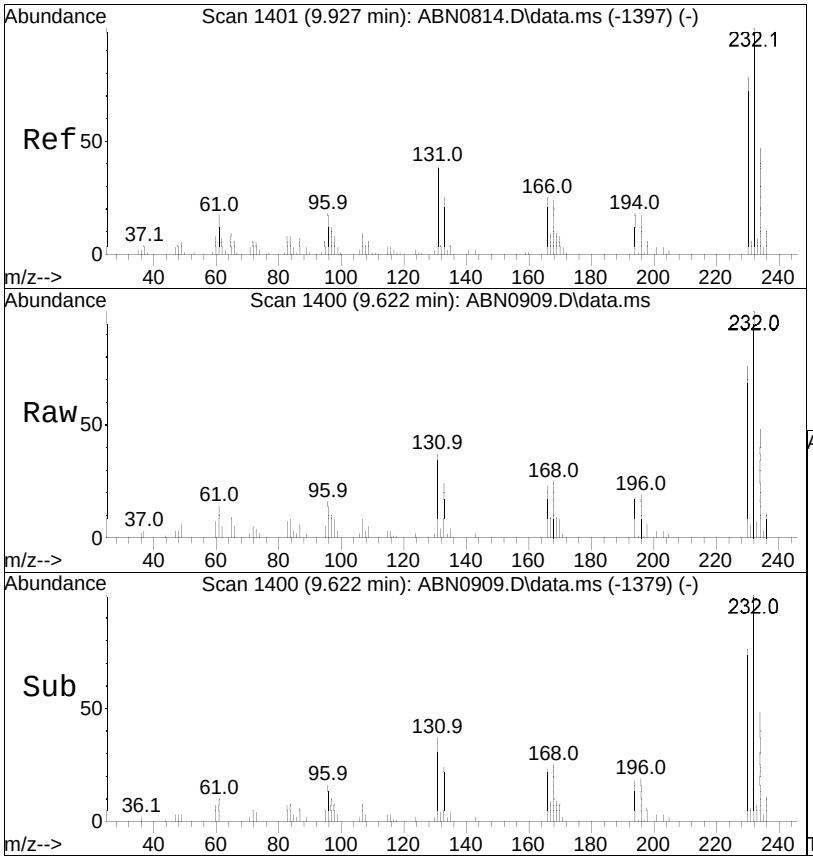


#69
4-Nitrophenol
Concen: 5.16 ug/ml
RT: 9.504 min Scan# 1380
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 65 Resp: 6762

Ion	Ratio	Lower	Upper
65	100		
109	80.4	47.4	71.2#
139	0.0	76.6	115.0#

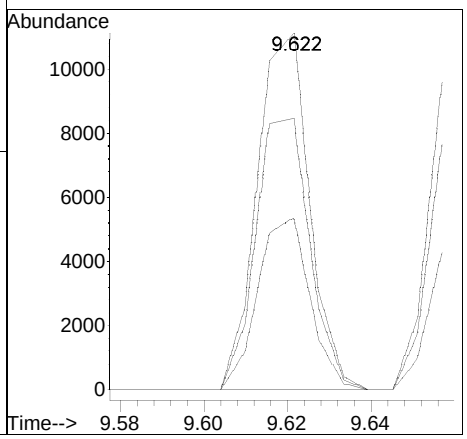


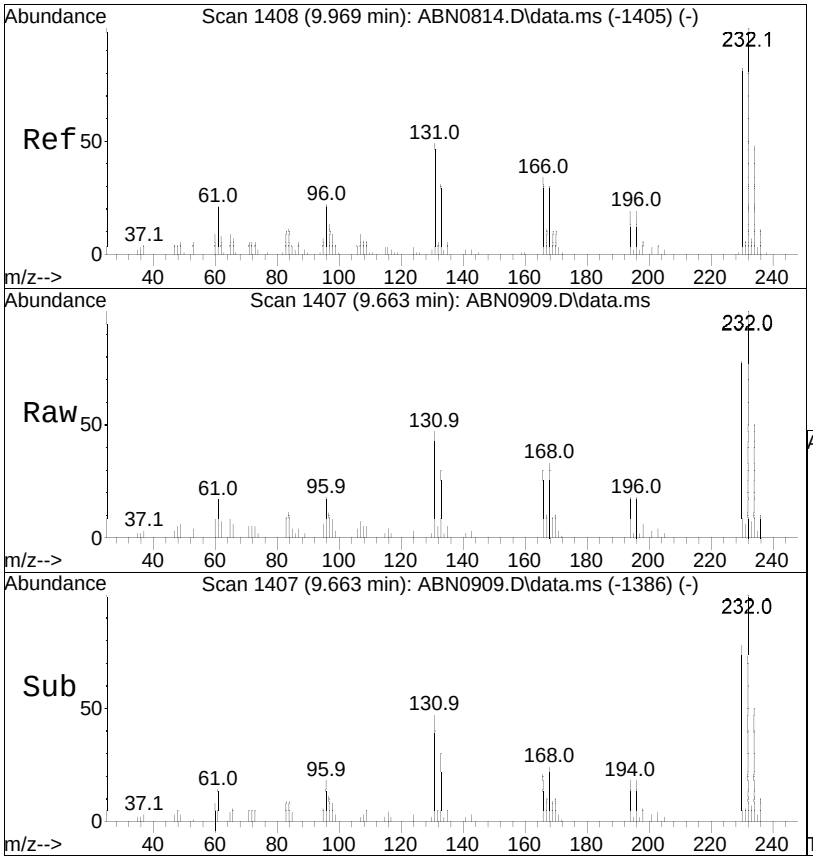


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.49 ug/ml
RT: 9.622 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:232 Resp: 9685

Ion	Ratio	Lower	Upper
232	100		
230	78.7	64.2	96.4
234	48.1	38.1	57.1

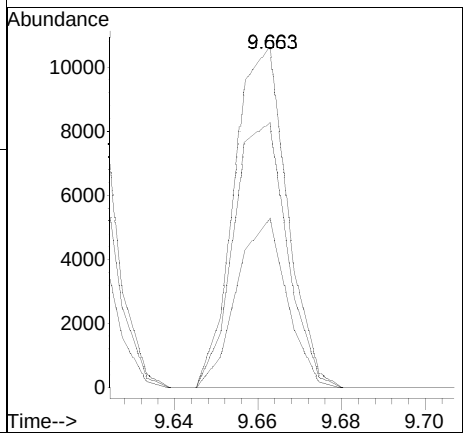


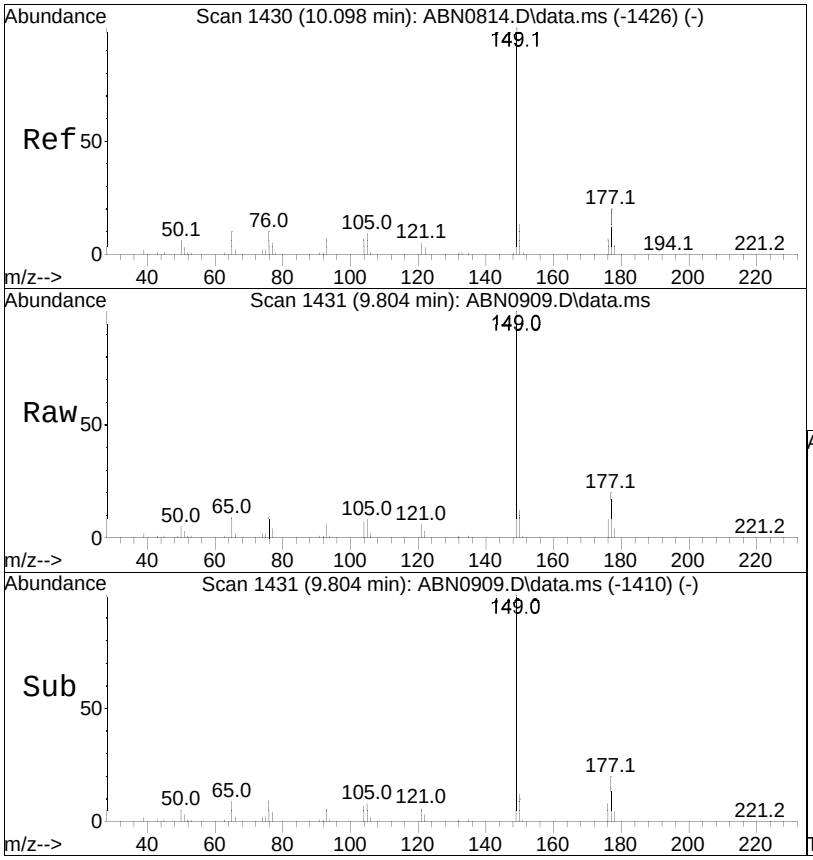


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.56 ug/ml
RT: 9.663 min Scan# 1407
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:232 Resp: 9362

Ion	Ratio	Lower	Upper
232	100		
230	78.3	61.8	92.8
234	47.1	36.2	54.2

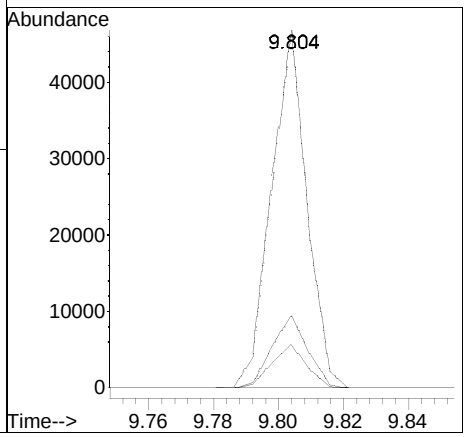


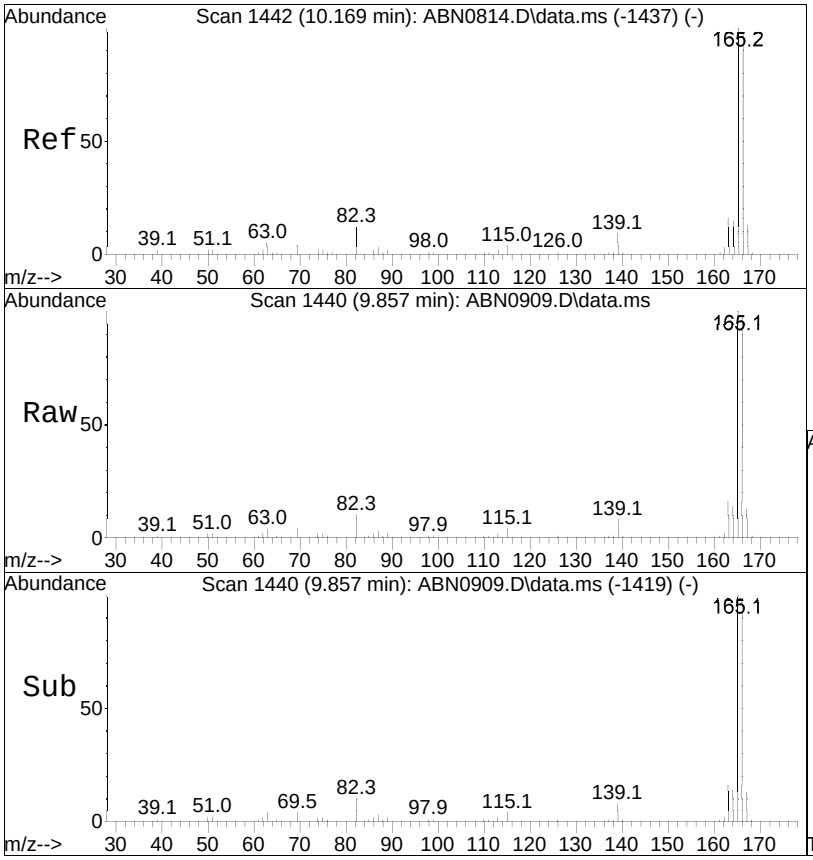


#72
Diethyl phthalate
Concen: 5.09 ug/ml
RT: 9.804 min Scan# 1431
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:149 Resp: 34973

Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.1	24.1
150	12.2	9.4	14.2

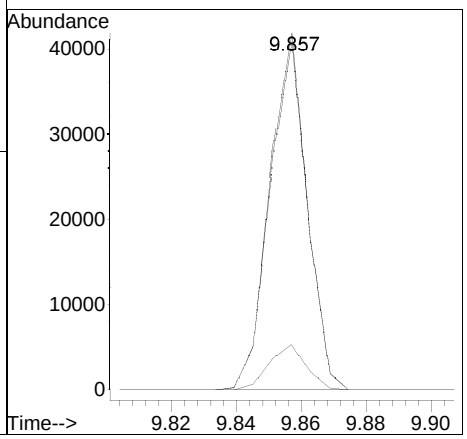


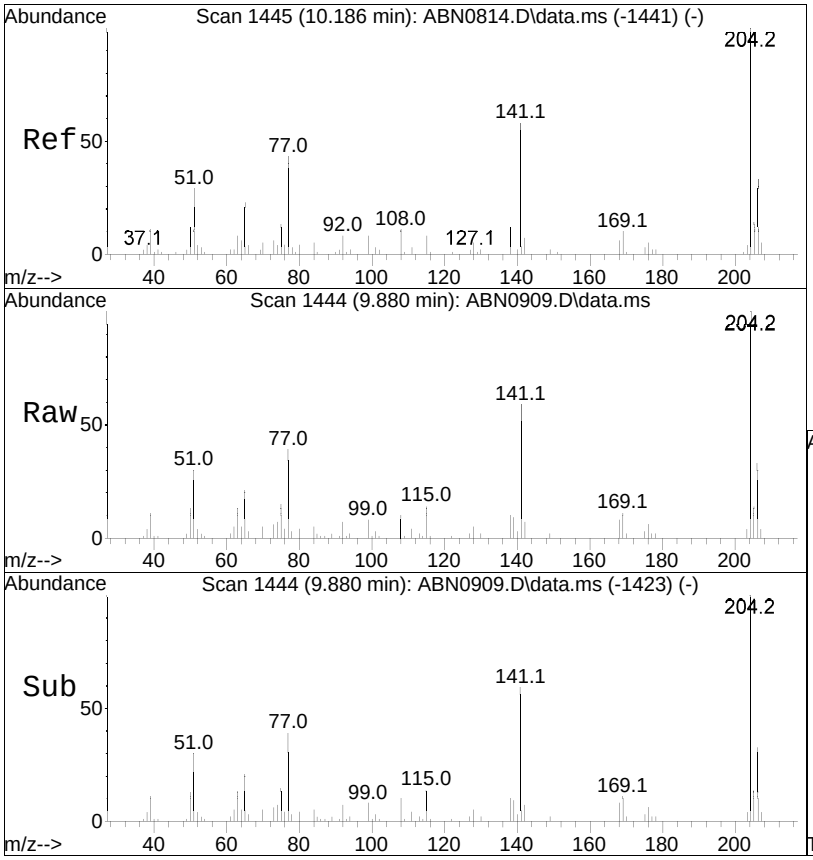


#73
Fluorene
Concen: 4.47 ug/ml
RT: 9.857 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:166 Resp: 32460

Ion	Ratio	Lower	Upper
166	100		
165	102.5	76.2	114.2
167	13.0	10.6	15.8

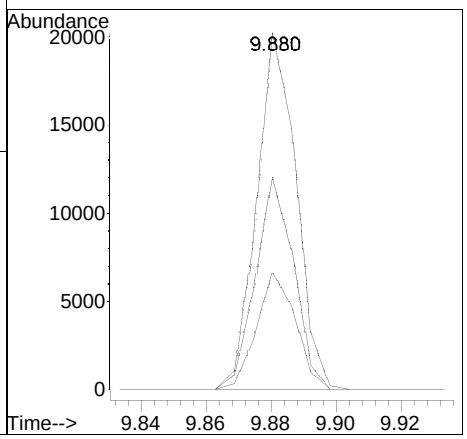


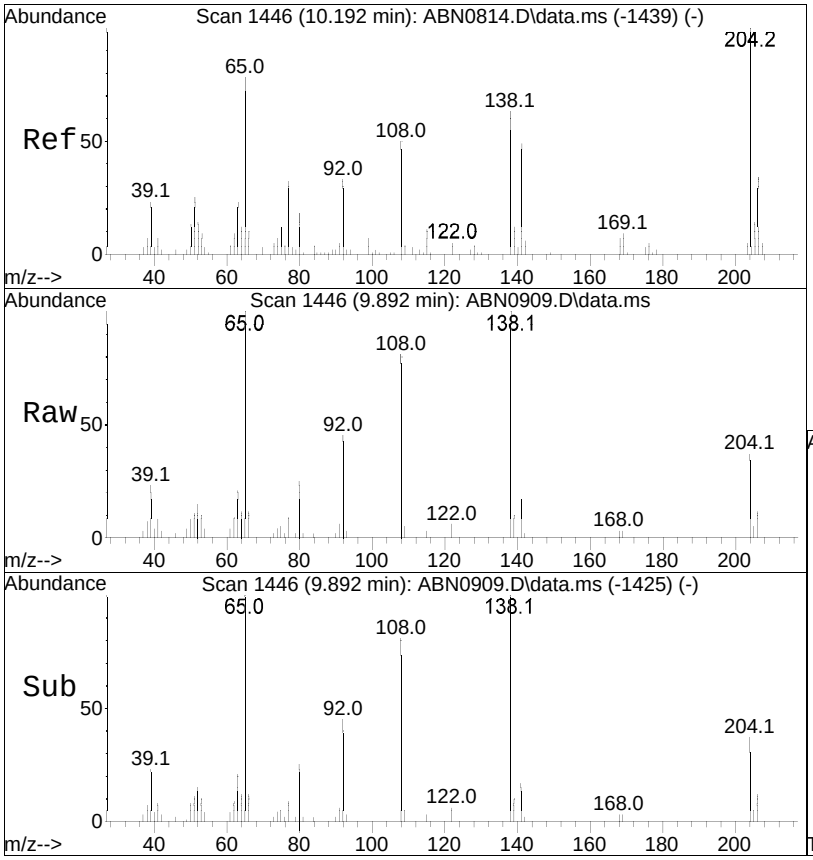


#74
4-Chlorophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 9.880 min Scan# 1444
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:204 Resp: 16843

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	57.9	53.6	80.4

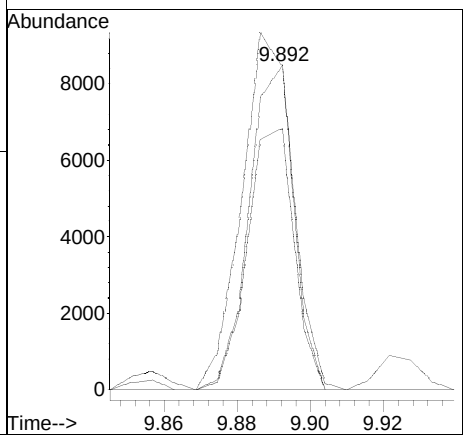


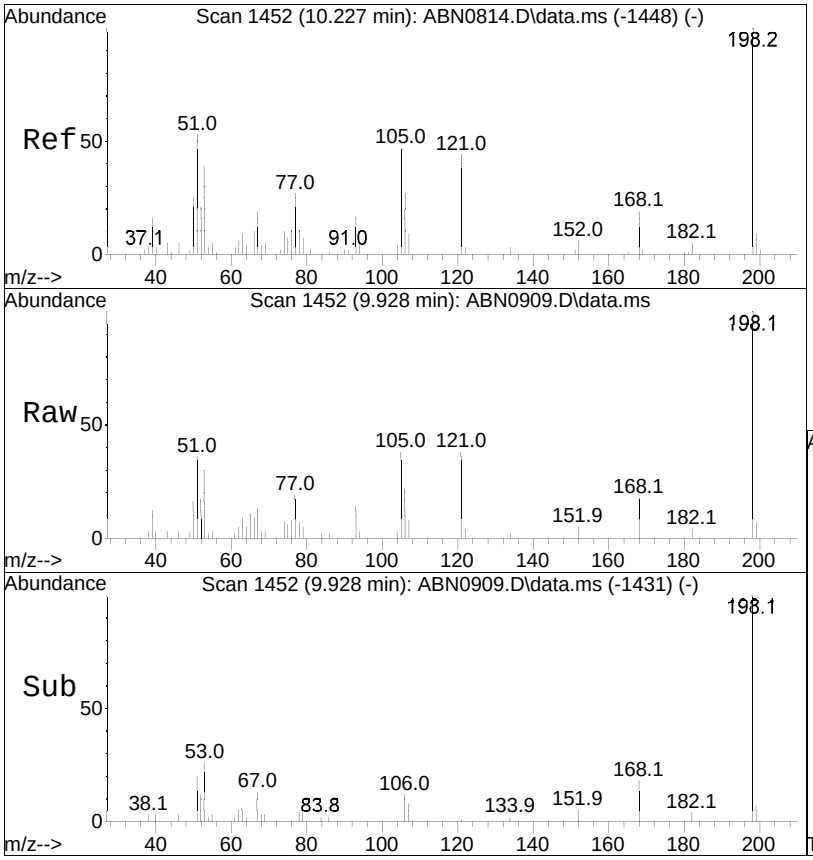


#75
4-Nitroaniline
Concen: 4.47 ug/ml
RT: 9.892 min Scan# 1446
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:138 Resp: 7412

Ion	Ratio	Lower	Upper
138	100		
108	81.6	52.1	78.1#
65	118.3	115.0	172.6

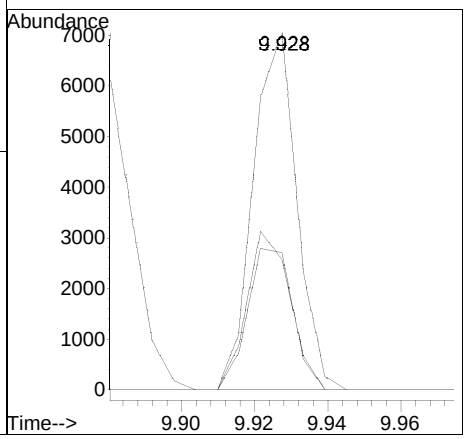


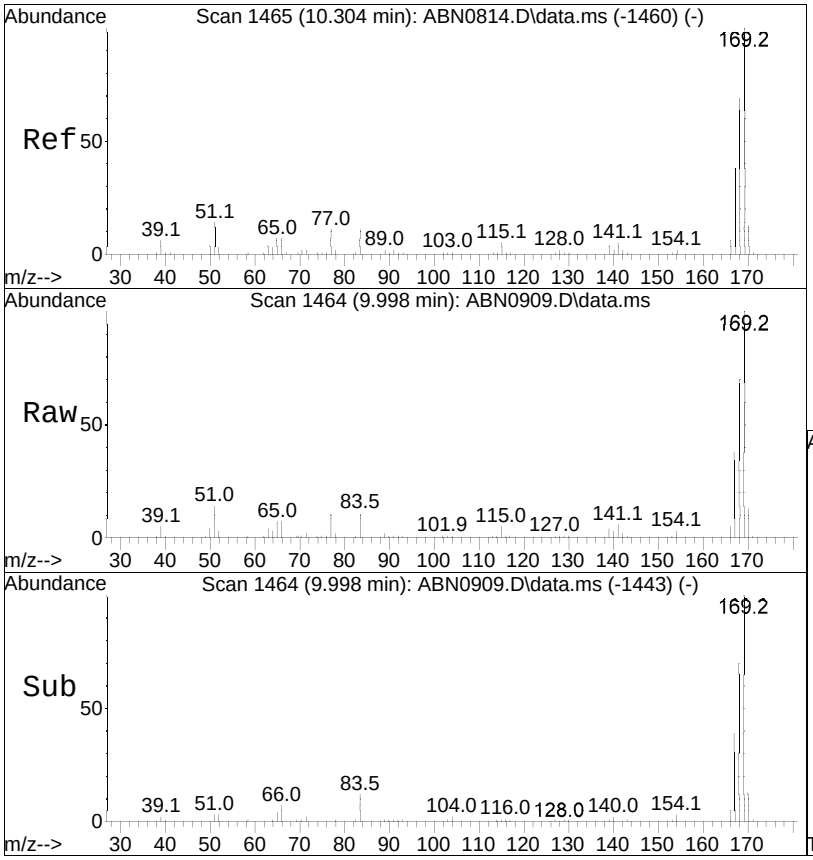


#76
4,6-Dinitro-o-cresol
Concen: 4.55 ug/ml
RT: 9.928 min Scan# 1452
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:198 Resp: 5832

Ion	Ratio	Lower	Upper
198	100		
51	43.8	76.0	114.0#
105	41.2	45.6	68.4#

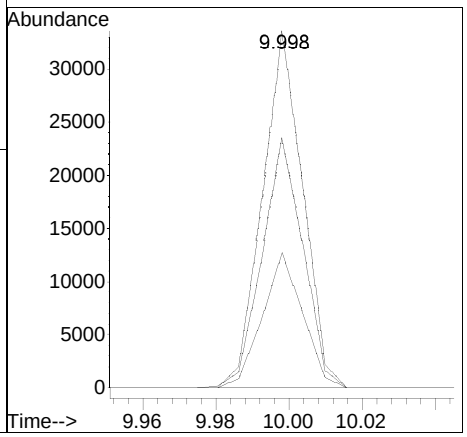


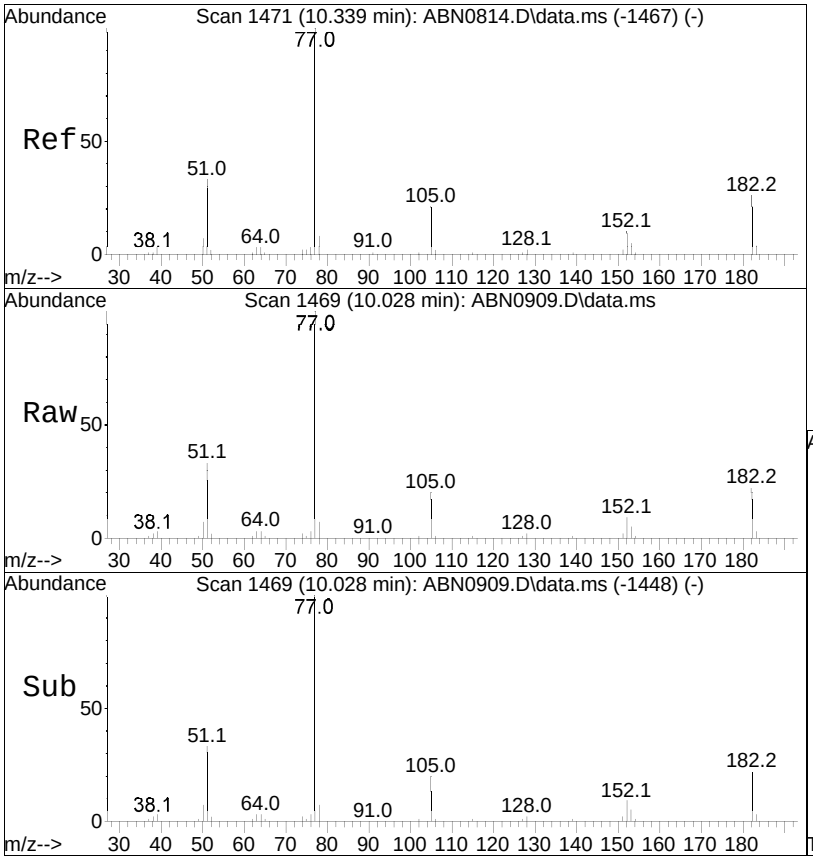


#77
NDPA/DPA
Concen: 4.23 ug/ml
RT: 9.998 min Scan# 1464
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:169 Resp: 25515

Ion	Ratio	Lower	Upper
169	100		
168	71.0	54.0	81.0
167	38.0	28.6	42.8

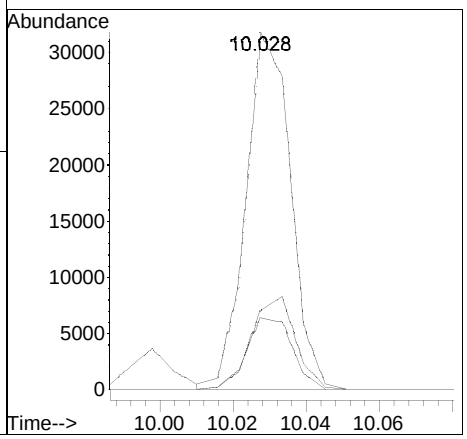


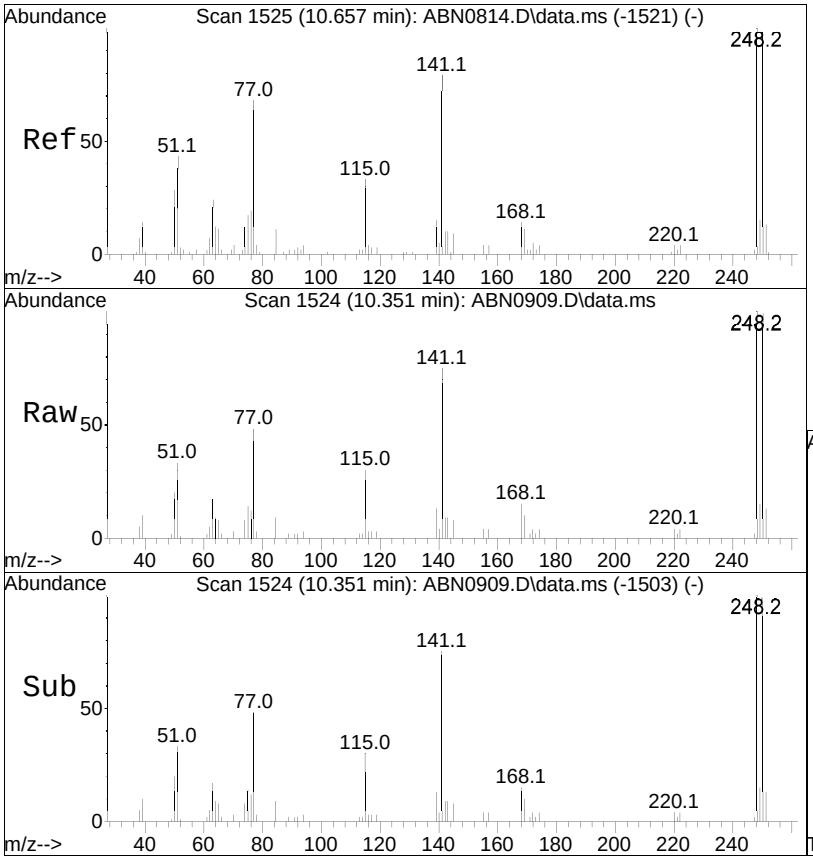


#78
Azobenzene
Concen: 4.22 ug/ml
RT: 10.028 min Scan# 1469
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion: 77 Resp: 26761

Ion	Ratio	Lower	Upper
77	100		
182	25.9	17.4	26.2
105	21.0	15.4	23.2

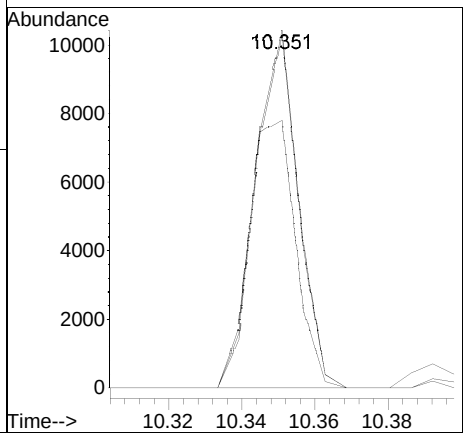


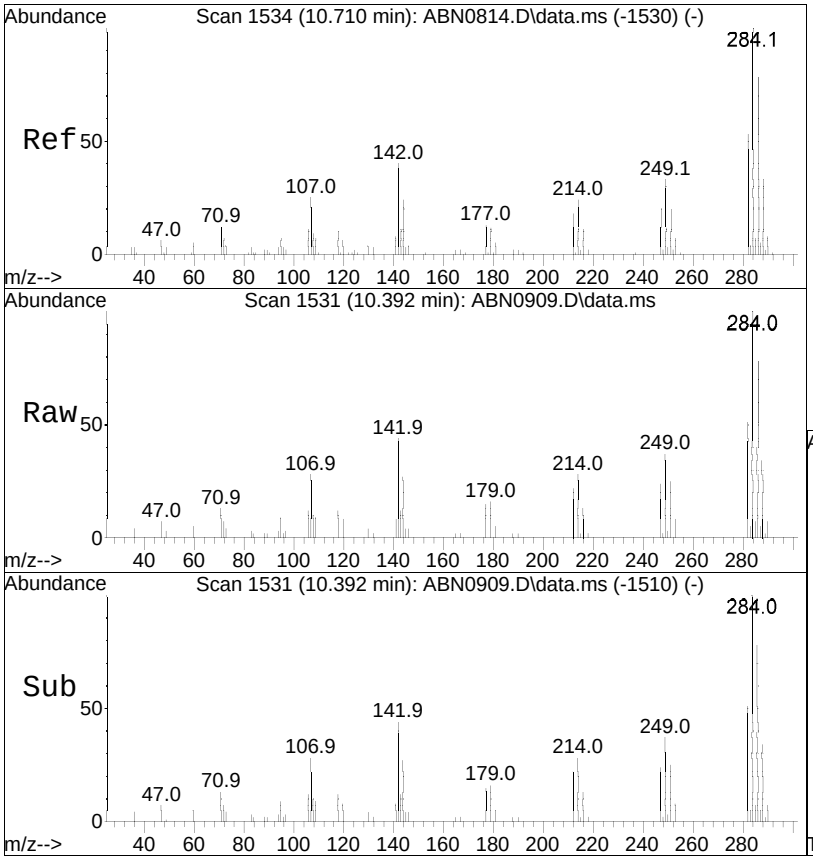


#80
4-Bromophenyl phenyl ether
Concen: 4.26 ug/ml
RT: 10.351 min Scan# 1524
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:248 Resp: 8493

Ion	Ratio	Lower	Upper
248	100		
141	80.9	76.6	114.8
250	97.0	77.3	115.9

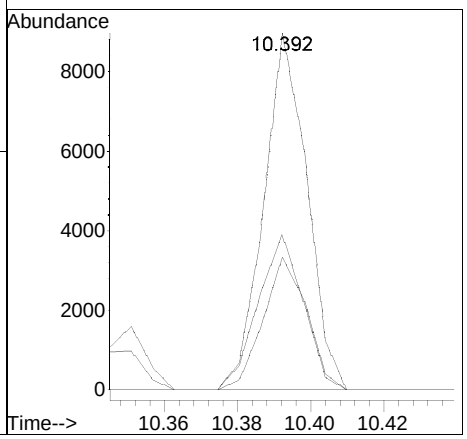


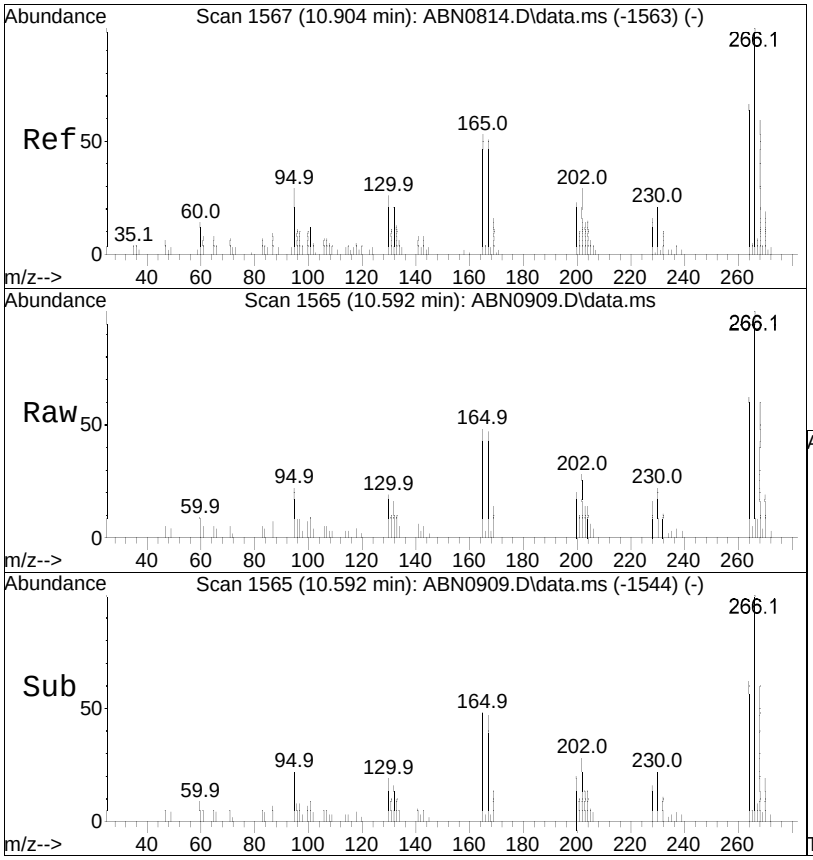


#81
Hexachlorobenzene
Concen: 3.34 ug/ml
RT: 10.392 min Scan# 1531
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:284 Resp: 7348

Ion	Ratio	Lower	Upper
284	100		
142	45.6	41.9	62.9
249	37.6	24.1	36.1#

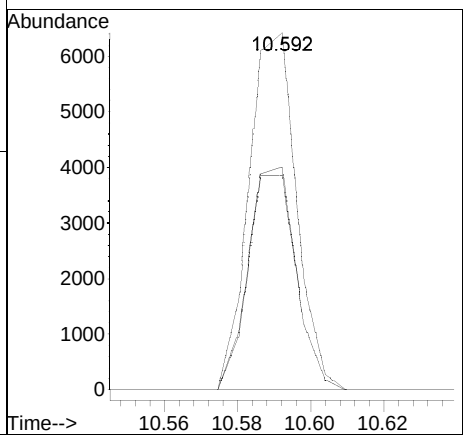


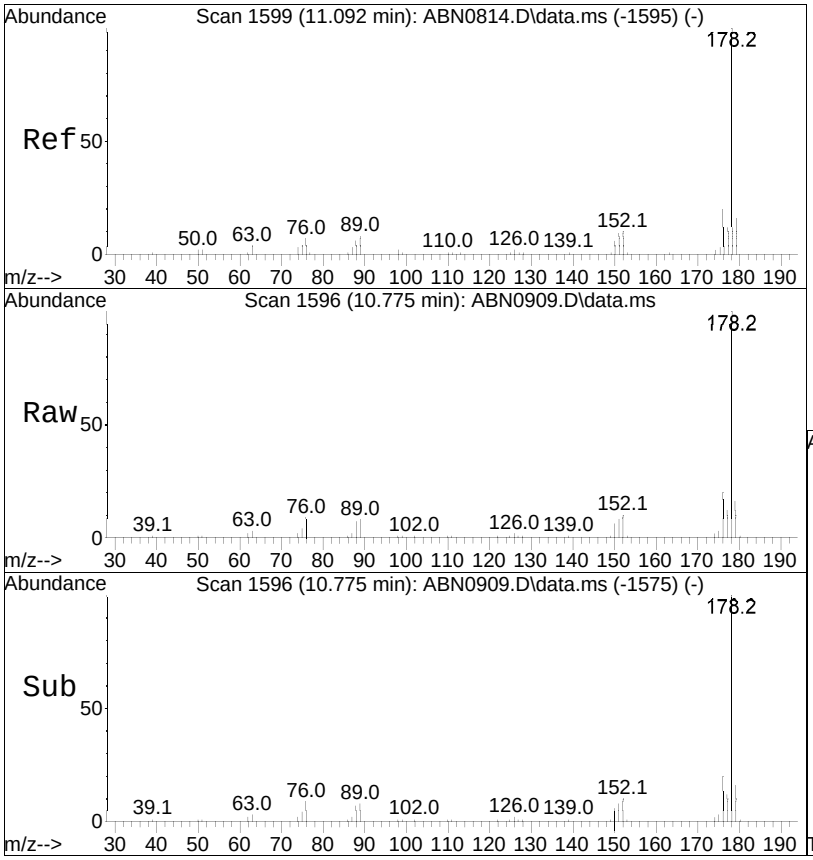


#82
Pentachlorophenol
Concen: 3.96 ug/ml
RT: 10.592 min Scan# 1565
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:266 Resp: 5783

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.7	74.5
268	61.3	50.5	75.7

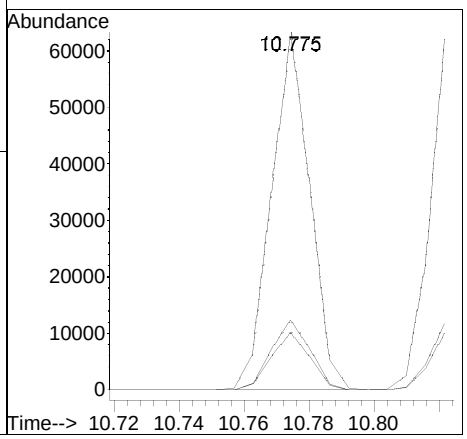


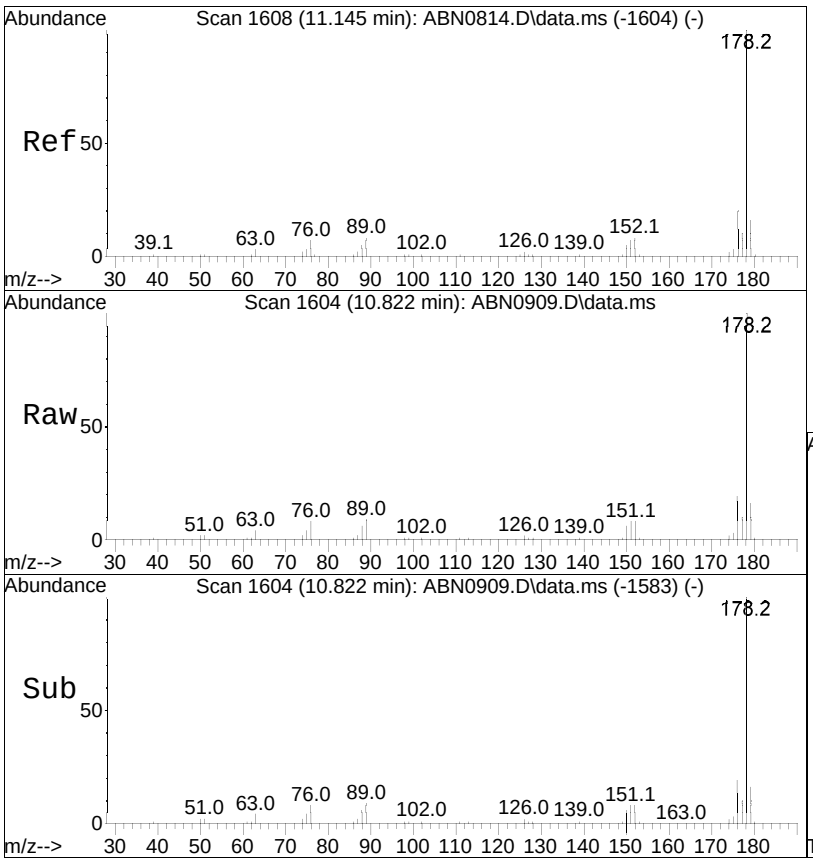


#89
Phenanthrene
Concen: 4.61 ug/ml
RT: 10.775 min Scan# 1596
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:178 Resp: 51861

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.2
176	19.7	15.4	23.2

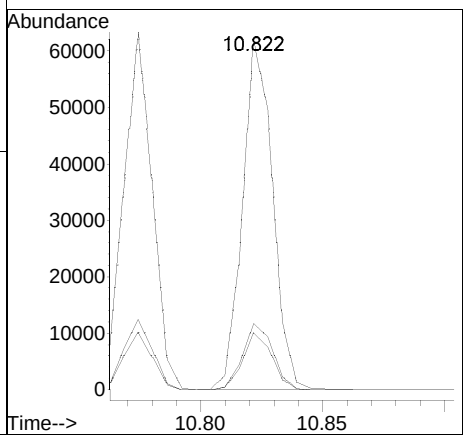


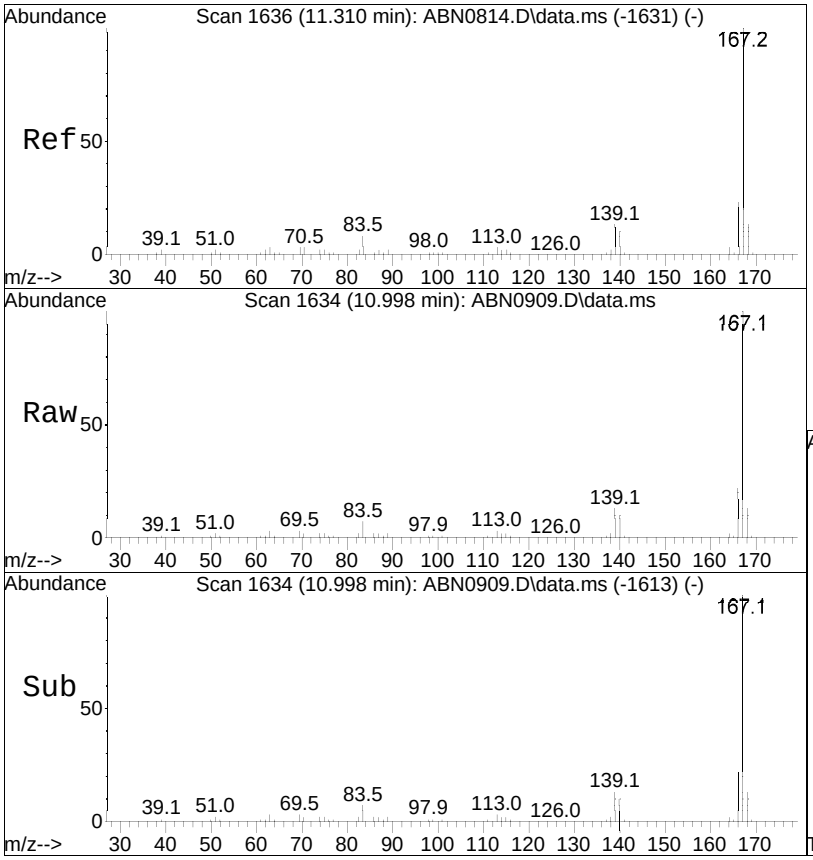


#90
Anthracene
Concen: 5.00 ug/ml
RT: 10.822 min Scan# 1604
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:178 Resp: 53104

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.0	18.0
176	19.0	14.6	22.0

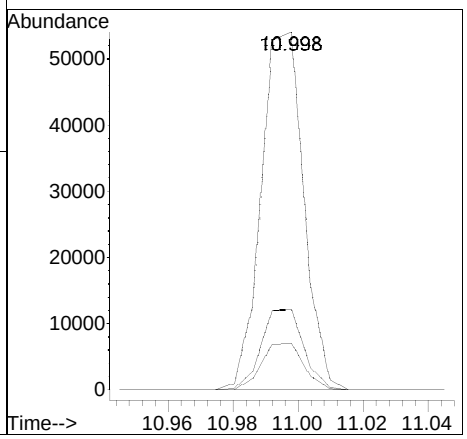


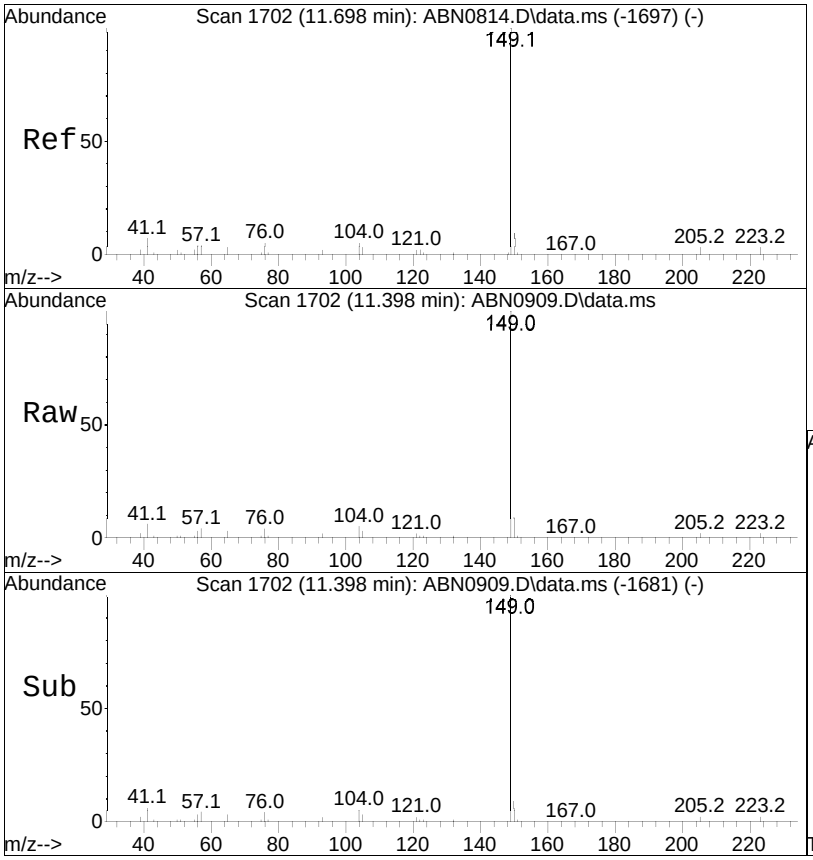


#91
Carbazole
Concen: 5.00 ug/ml
RT: 10.998 min Scan# 1634
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:167 Resp: 48534

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	22.5	17.4	26.0

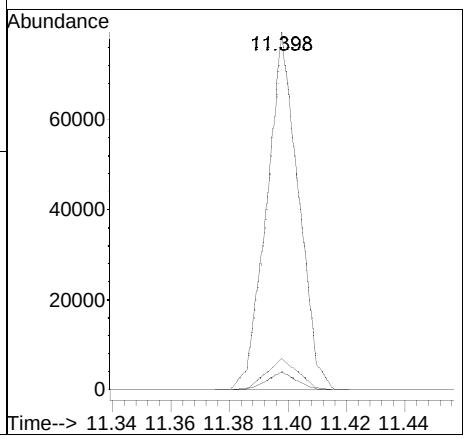


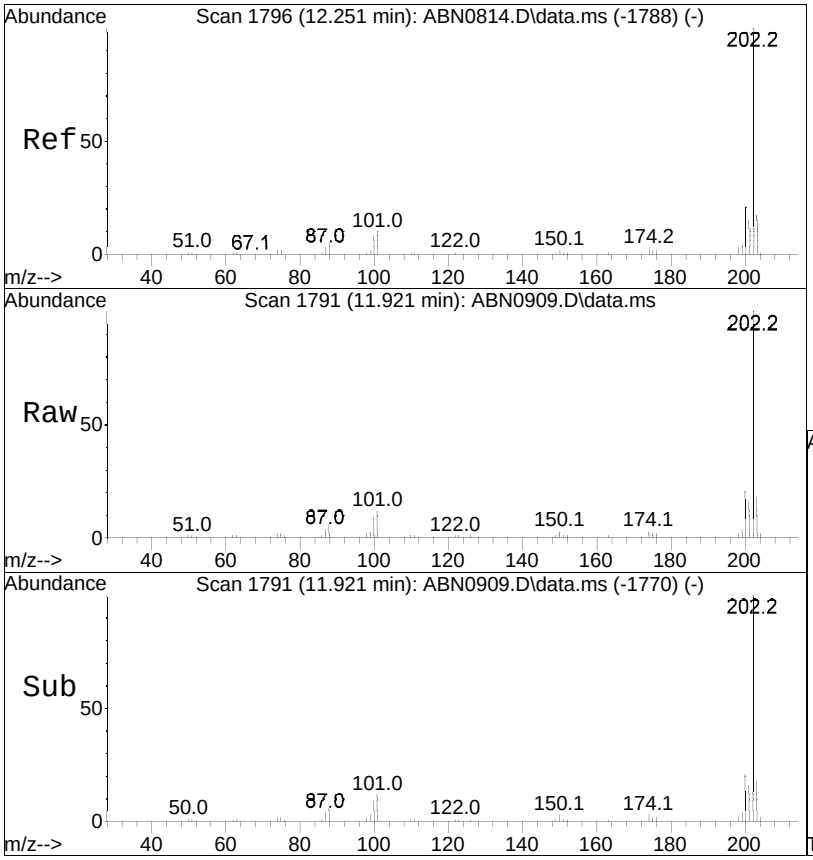


#92
Di-n-butylphthalate
Concen: 5.51 ug/ml
RT: 11.398 min Scan# 1702
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:149 Resp: 58822

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.9	4.5	6.7

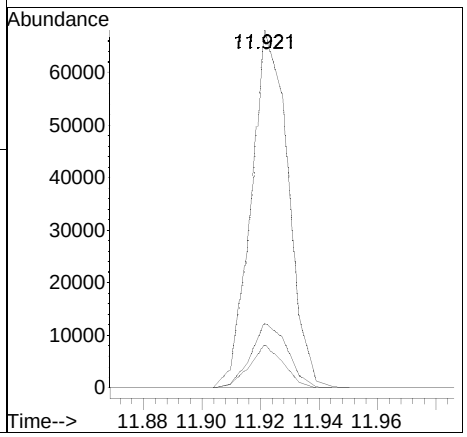


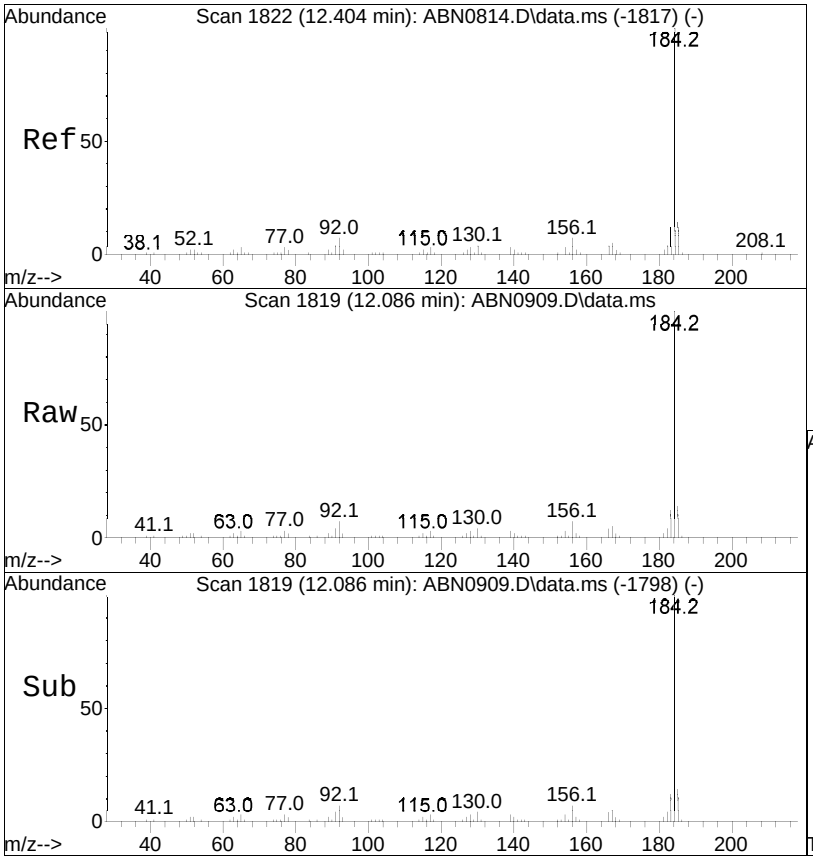


#93
Fluoranthene
Concen: 4.82 ug/ml
RT: 11.921 min Scan# 1791
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:202 Resp: 59290

Ion	Ratio	Lower	Upper
202	100		
101	11.1	13.5	20.3#
203	18.0	13.6	20.4

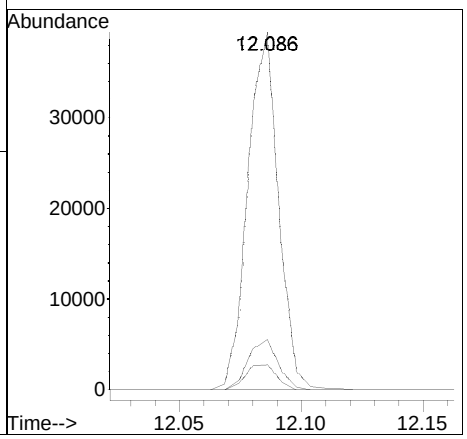


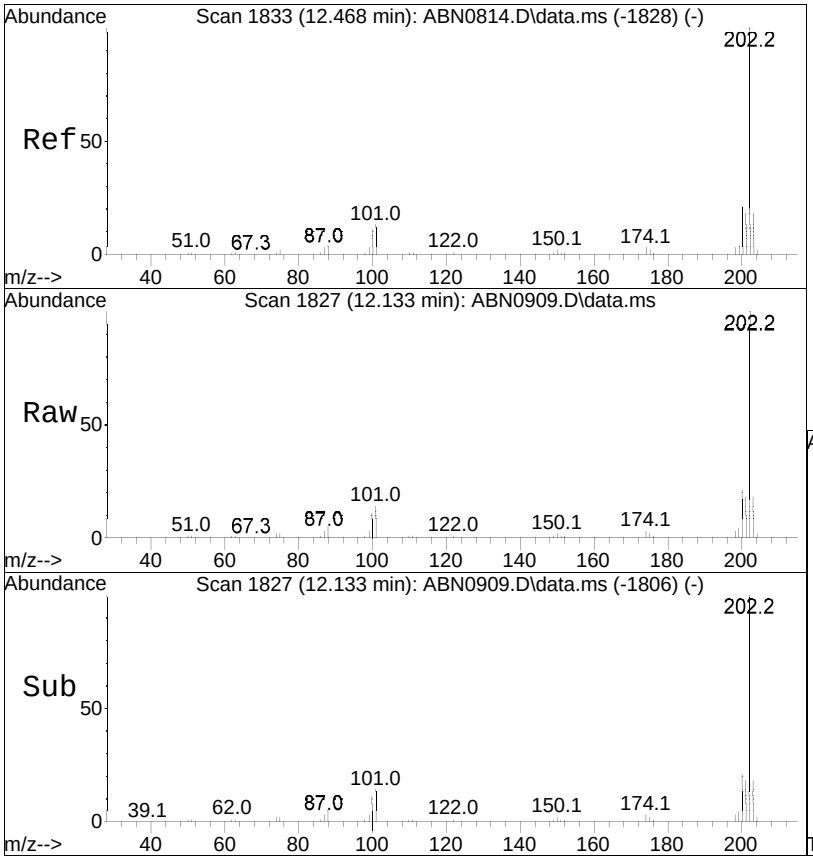


#94
Benzidine
Concen: 4.75 ug/ml
RT: 12.086 min Scan# 1819
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:184 Resp: 34063

Ion	Ratio	Lower	Upper
184	100		
92	7.3	9.1	13.7#
185	13.9	11.1	16.7

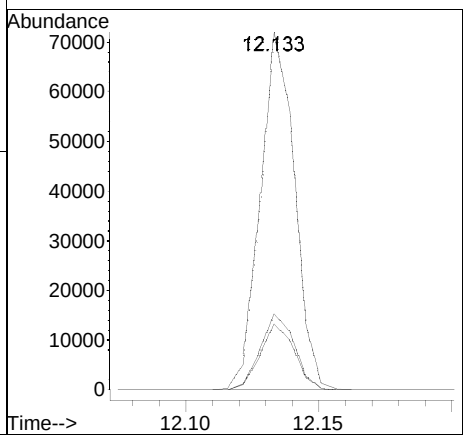


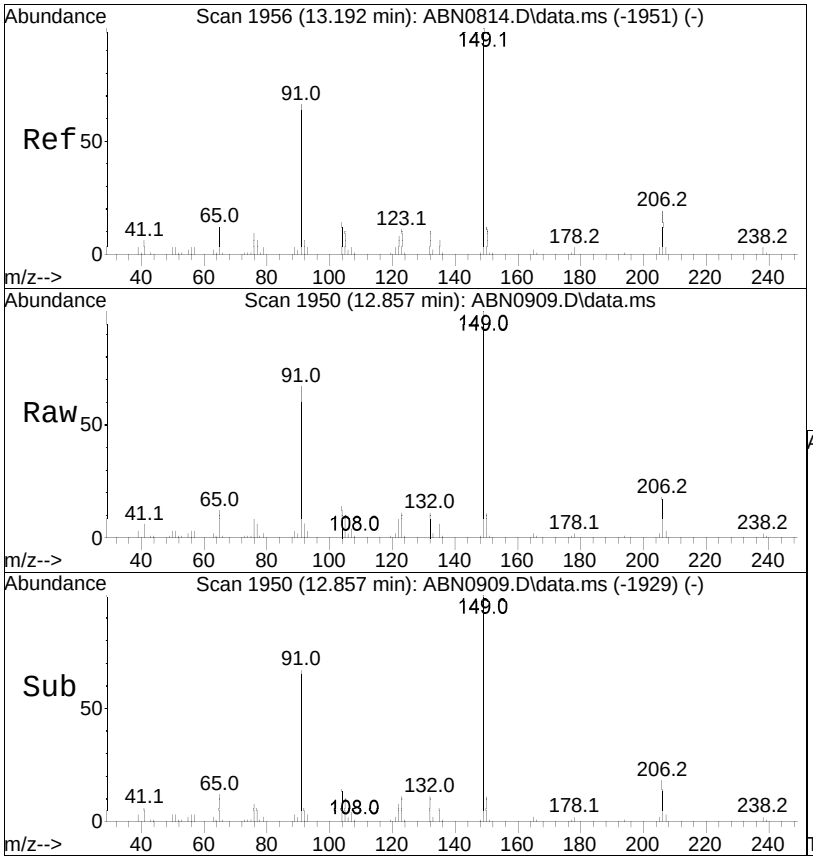


#95
Pyrene
Concen: 4.78 ug/ml
RT: 12.133 min Scan# 1827
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:202 Resp: 64015

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	18.4	14.2	21.4

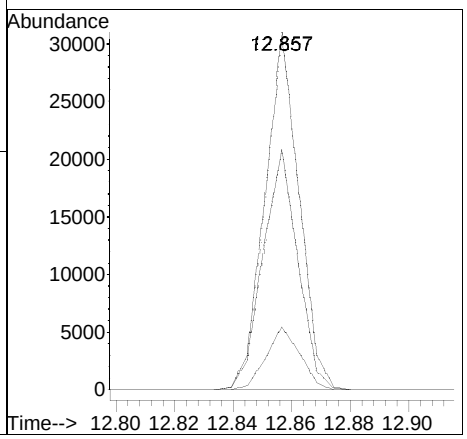


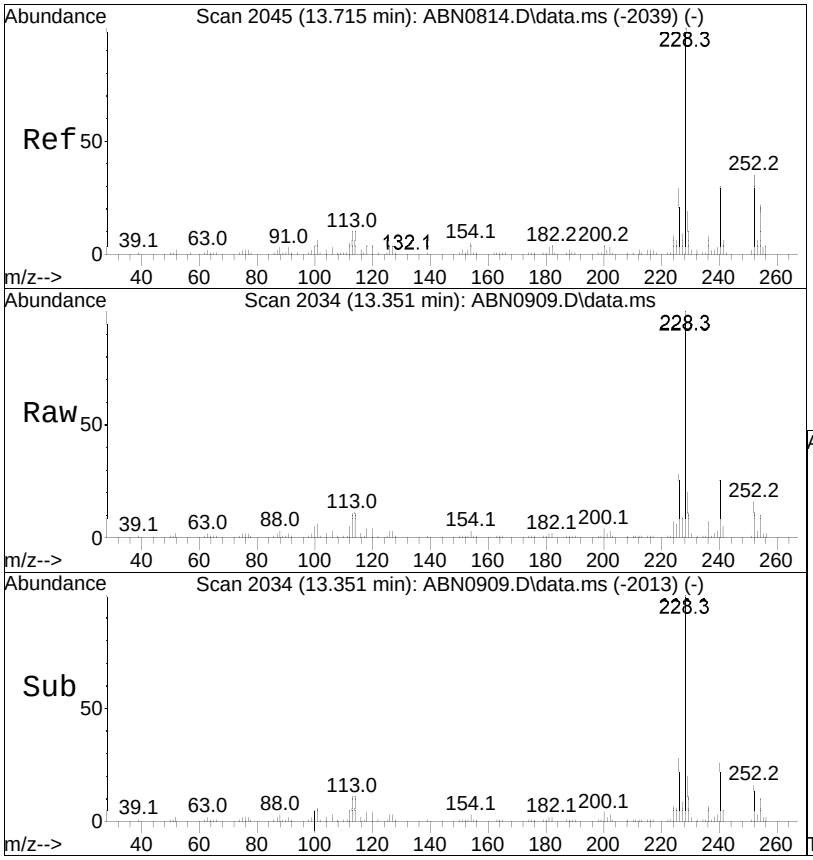


#97
Butyl benzyl phthalate
Concen: 4.52 ug/ml
RT: 12.857 min Scan# 1950
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:149 Resp: 24861

Ion	Ratio	Lower	Upper
149	100		
91	68.7	63.3	94.9
206	17.6	13.9	20.9

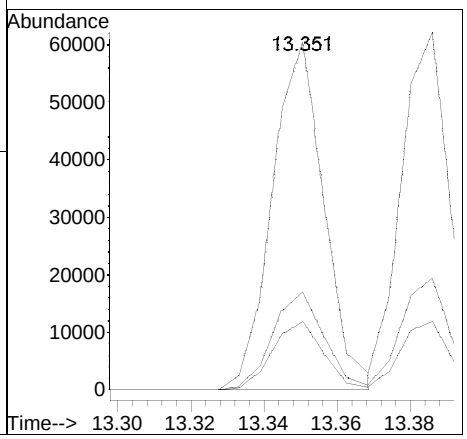


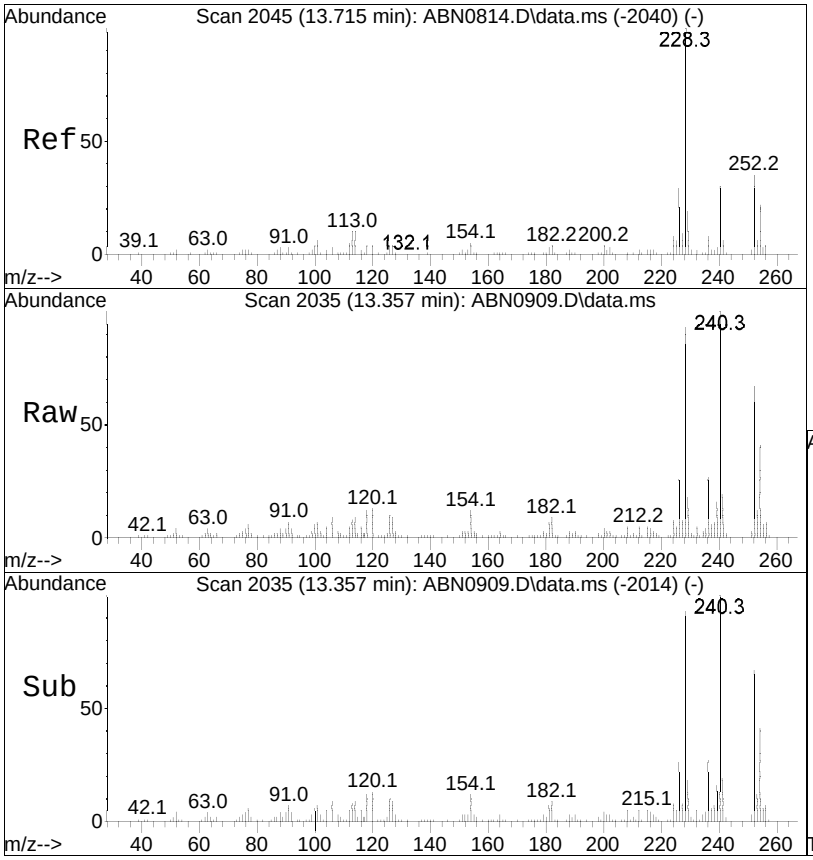


#105
Benzo(a)anthracene
Concen: 4.98 ug/ml
RT: 13.351 min Scan# 2034
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:228 Resp: 59483

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	19.6	15.6	23.4

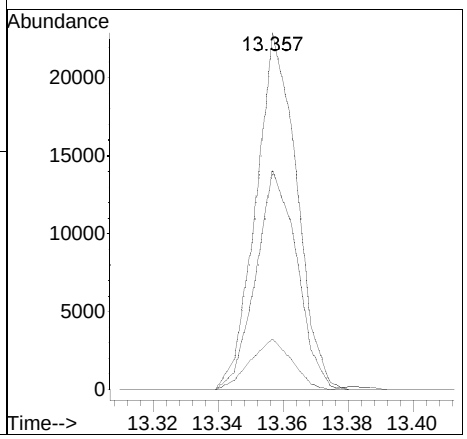


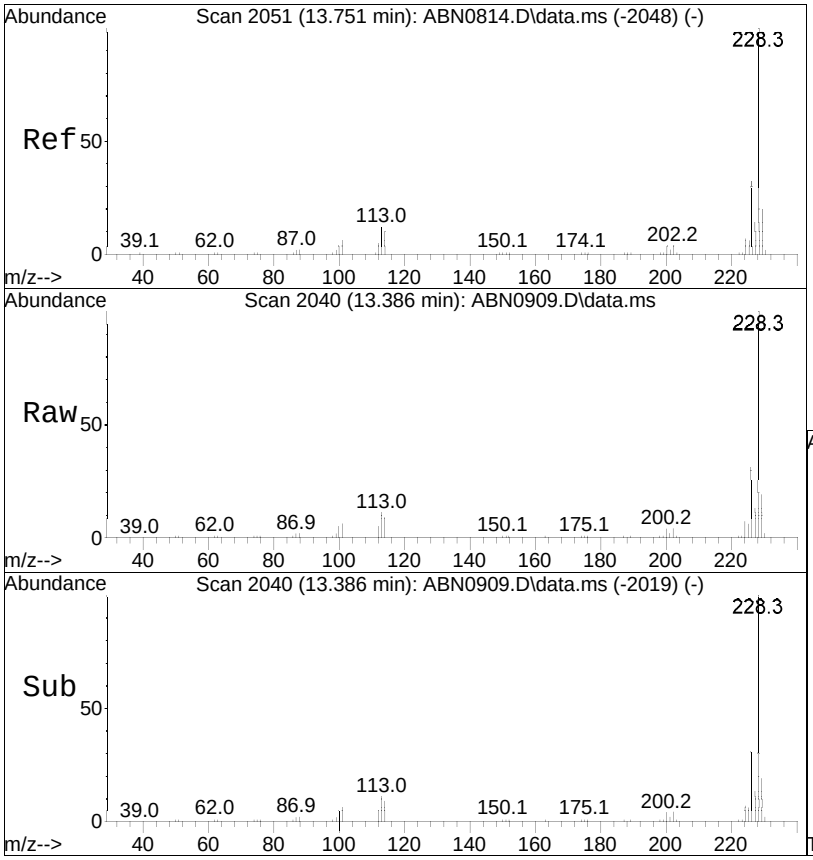


#106
3,3'-Dichlorobenzidine
Concen: 4.62 ug/ml
RT: 13.357 min Scan# 2035
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:252 Resp: 19801

Ion	Ratio	Lower	Upper
252	100		
126	14.7	14.5	21.7
254	62.1	51.2	76.8

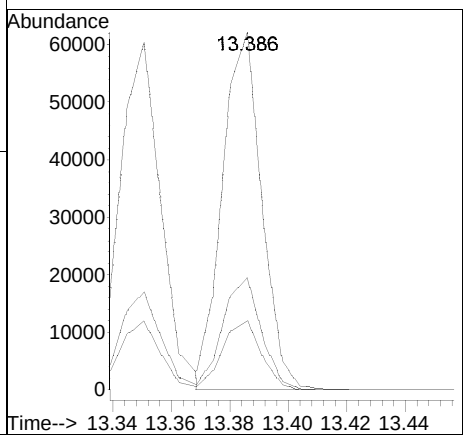


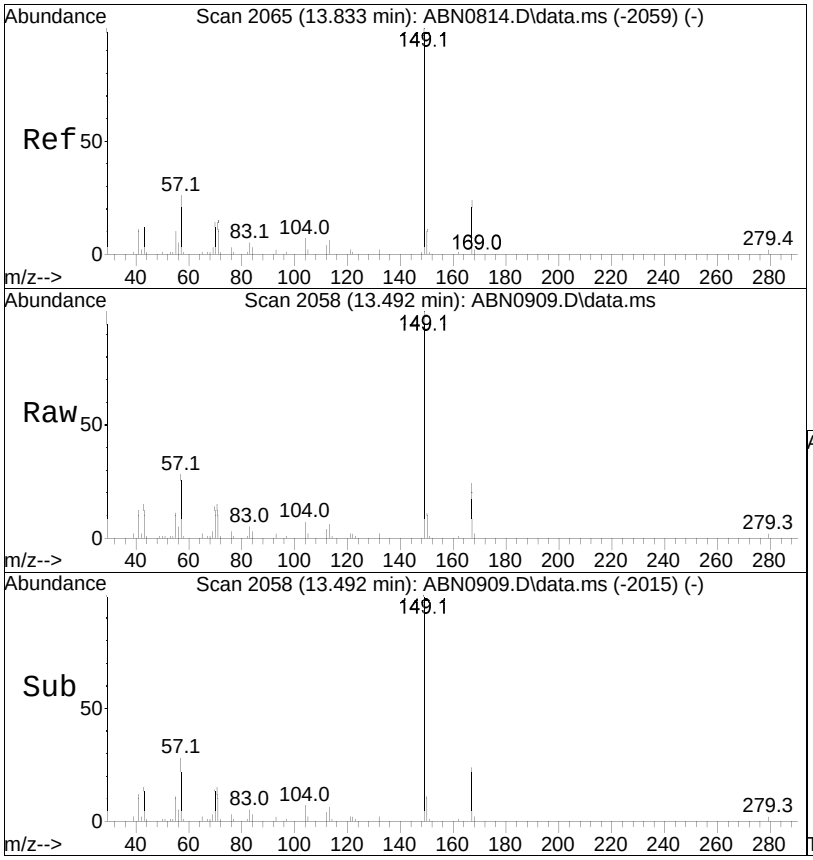


#107
Chrysene
Concen: 5.03 ug/ml
RT: 13.386 min Scan# 2040
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:228 Resp: 57956

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	19.1	15.8	23.8

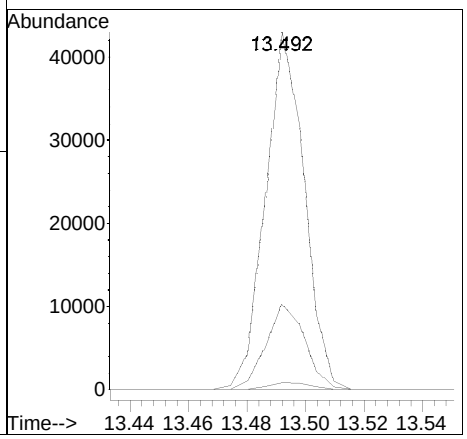


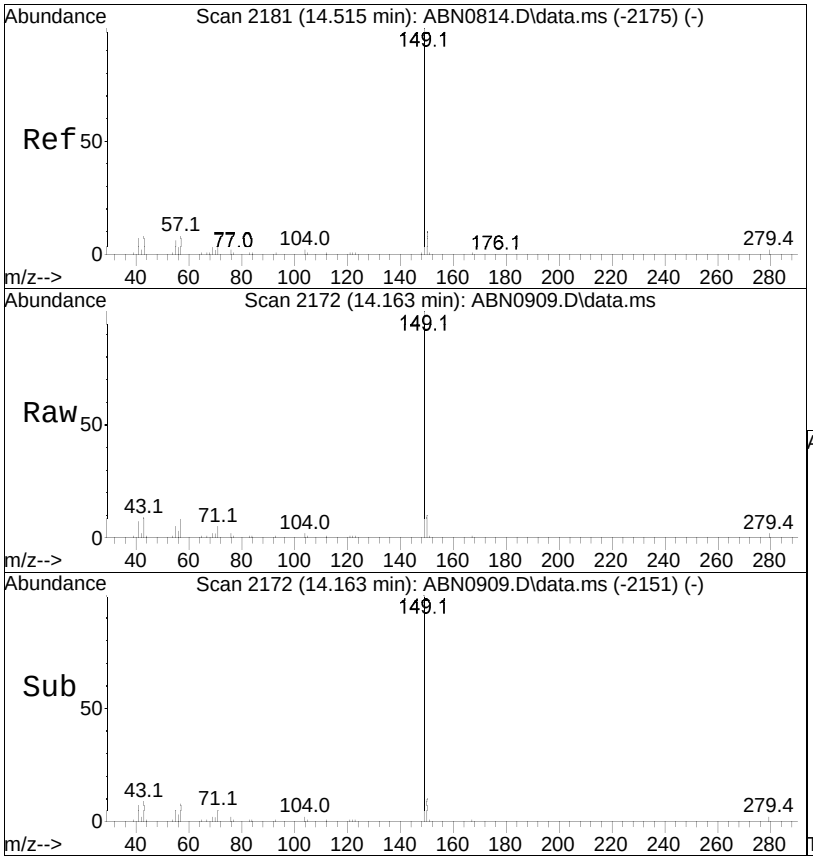


#108
Bis(2-ethylhexyl)phthalate
Concen: 6.04 ug/ml
RT: 13.492 min Scan# 2058
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:149 Resp: 39293

Ion	Ratio	Lower	Upper
149	100		
167	24.1	22.1	33.1
279	1.9	3.0	4.4#

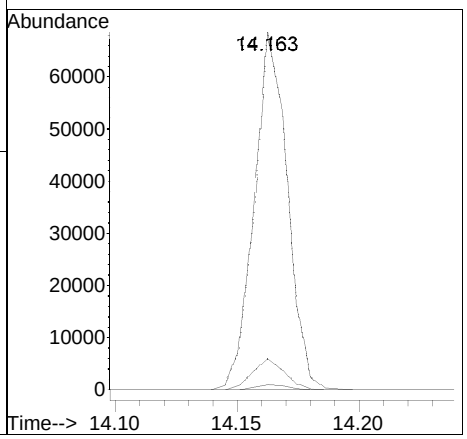


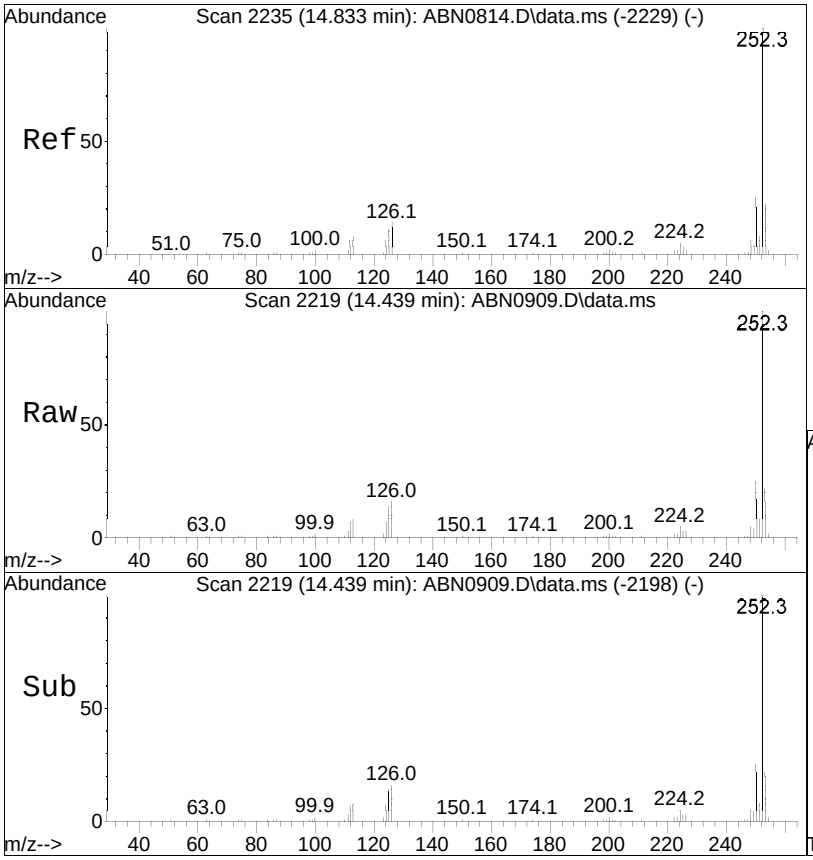


#109
Di-n-octylphthalate
Concen: 5.57 ug/ml
RT: 14.163 min Scan# 2172
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:149 Resp: 64031

Ion	Ratio	Lower	Upper
149	100		
43	8.5	18.8	28.2#
167	1.3	1.3	1.9

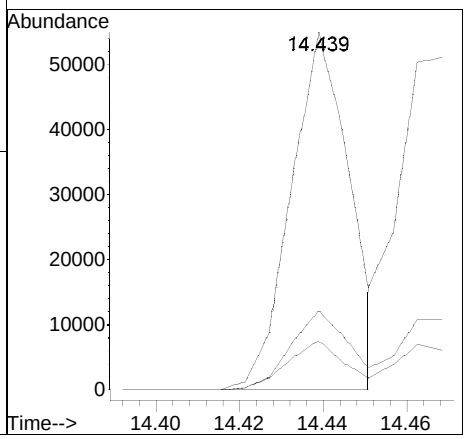


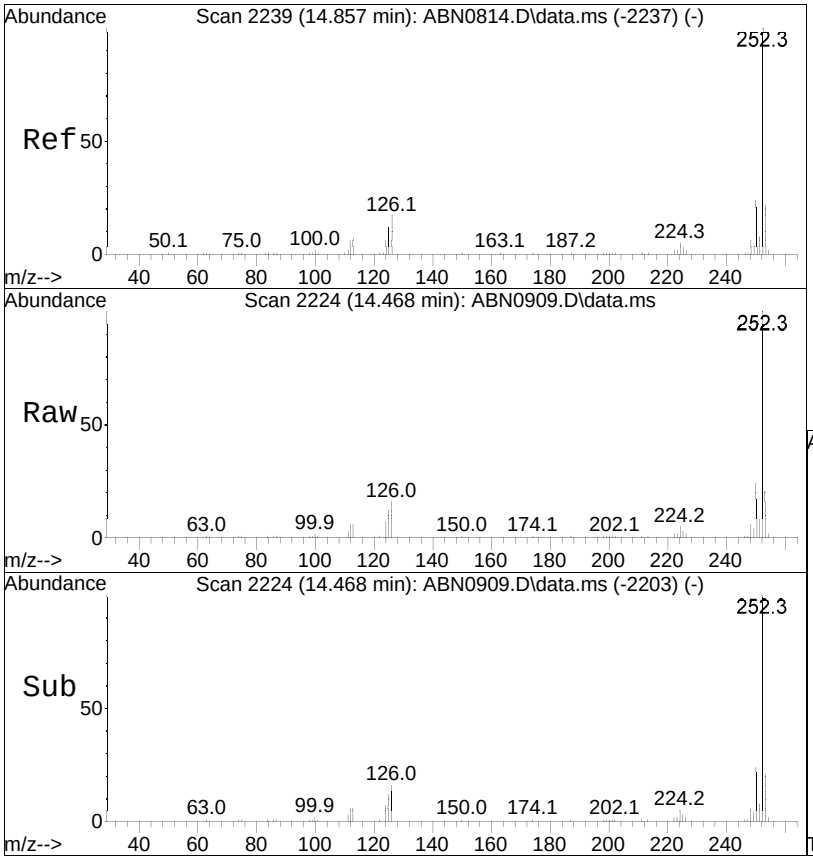


#110
Benzo(b)fluoranthene
Concen: 5.27 ug/ml
RT: 14.439 min Scan# 2219
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:252 Resp: 54199

Ion	Ratio	Lower	Upper
252	100		
125	13.6	13.3	19.9
253	21.9	17.1	25.7

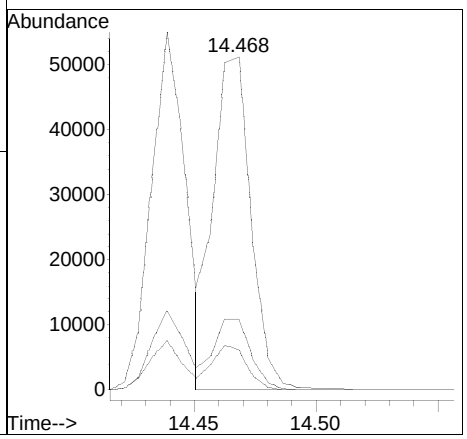


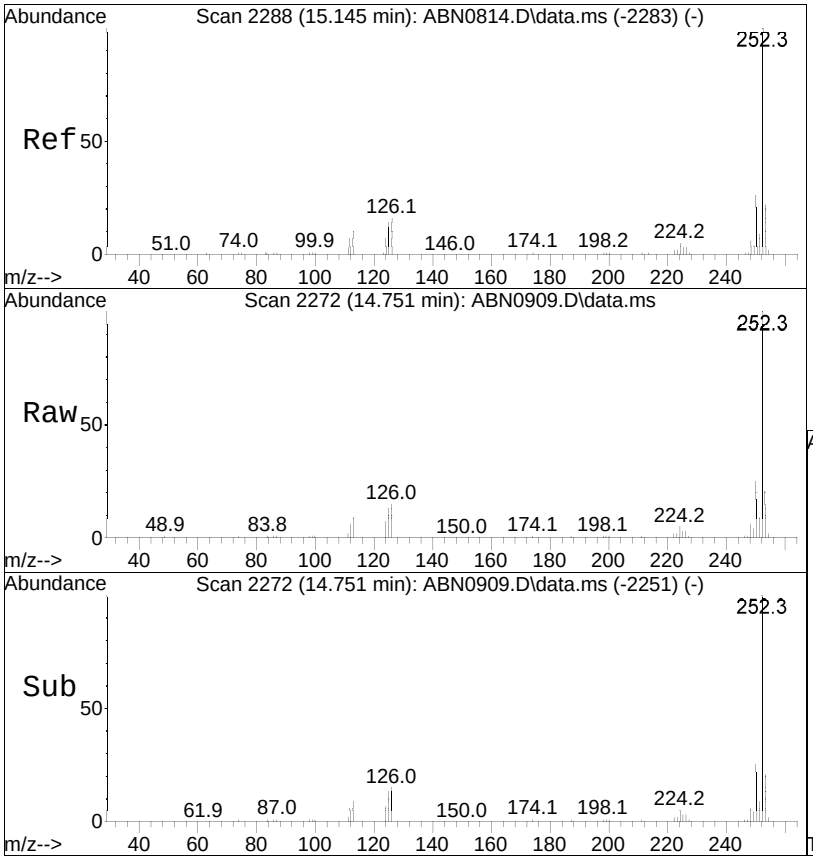


#111
Benzo(k)fluoranthene
Concen: 5.30 ug/ml
RT: 14.468 min Scan# 2224
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:252 Resp: 54483

Ion	Ratio	Lower	Upper
252	100		
125	12.5	13.0	19.6#
253	21.2	16.8	25.2

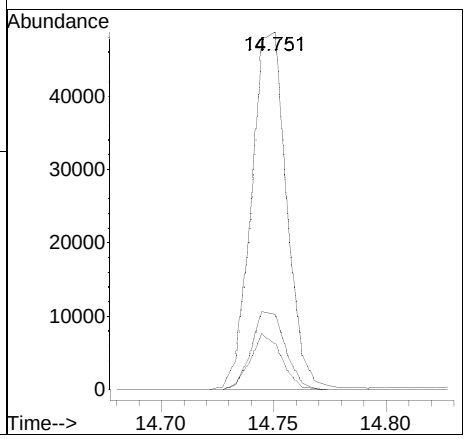


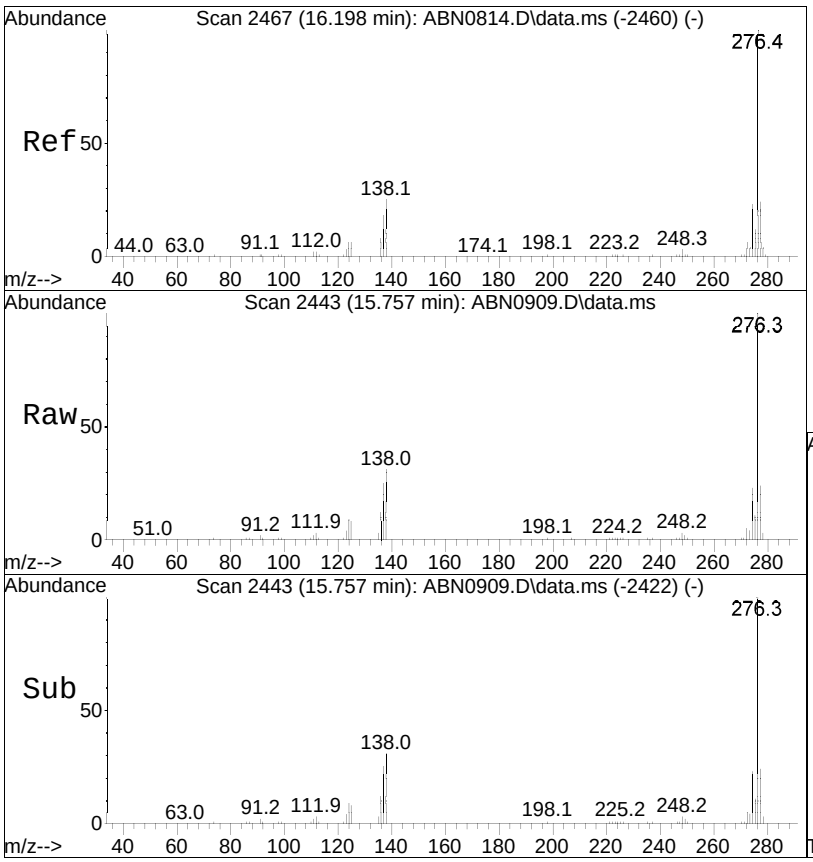


#112
Benzo(a)pyrene
Concen: 5.82 ug/ml
RT: 14.751 min Scan# 2272
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:252 Resp: 52667

Ion	Ratio	Lower	Upper
252	100		
125	14.3	14.2	21.2
253	21.2	16.9	25.3

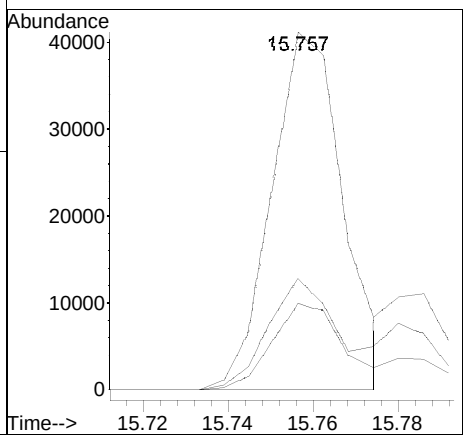


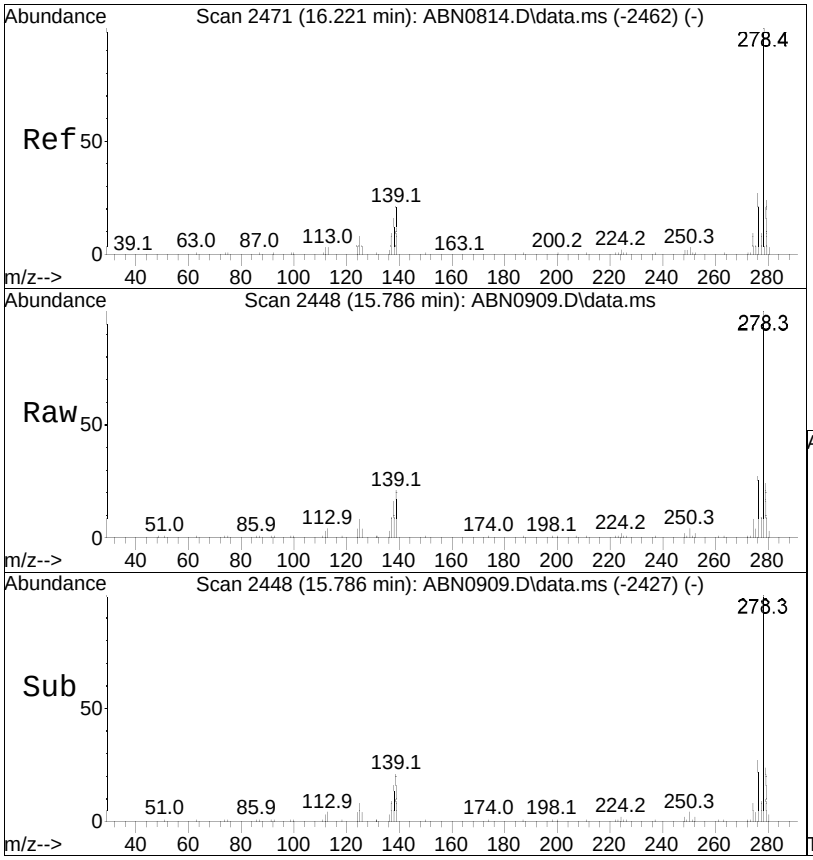


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.00 ug/mL M6
RT: 15.757 min Scan# 2443
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:276 Resp: 48089

Ion	Ratio	Lower	Upper
276	100		
138	32.1	25.1	37.7
277	24.3	18.6	28.0

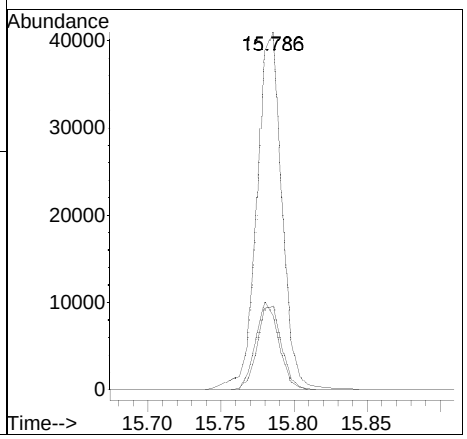


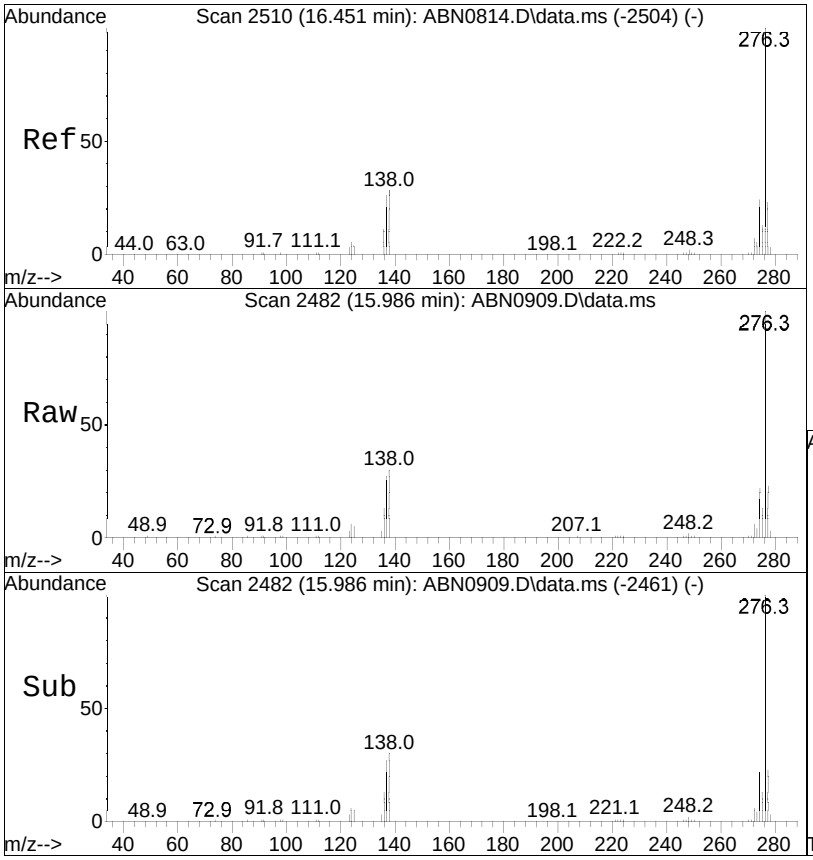


#115
Dibenzo(a,h)anthracene
Concen: 5.21 ug/ml
RT: 15.786 min Scan# 2448
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:278 Resp: 48243

Ion	Ratio	Lower	Upper
278	100		
139	23.0	20.8	31.2
279	22.9	18.3	27.5

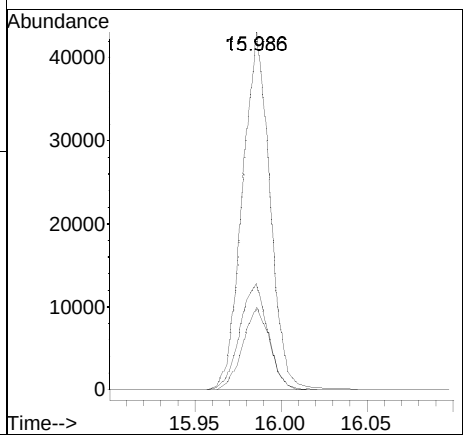




#116
Benzo(ghi)perylene
Concen: 5.54 ug/ml
RT: 15.986 min Scan# 2482
Delta R.T. 0.000 min
Lab File: ABN0909.D
Acq: 10 Sep 2024 1:23 am

Tgt Ion:276 Resp: 47506

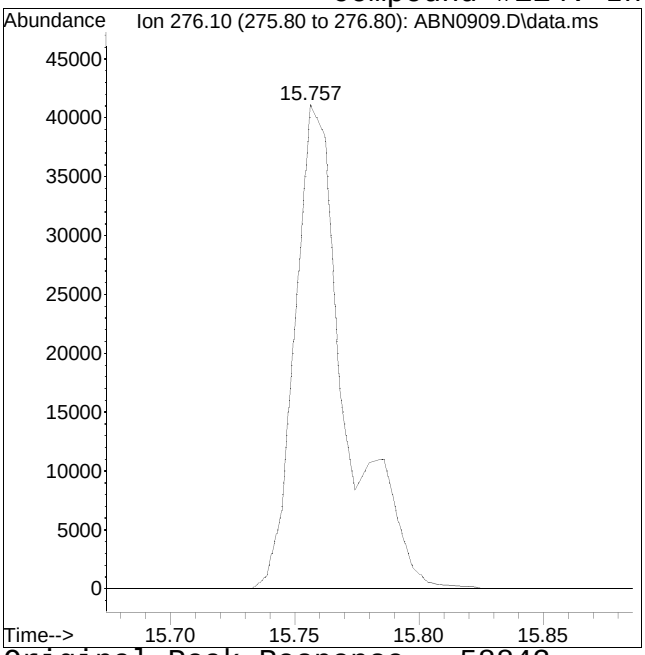
Ion	Ratio	Lower	Upper
276	100		
138	30.7	29.2	43.8
277	23.0	18.8	28.2



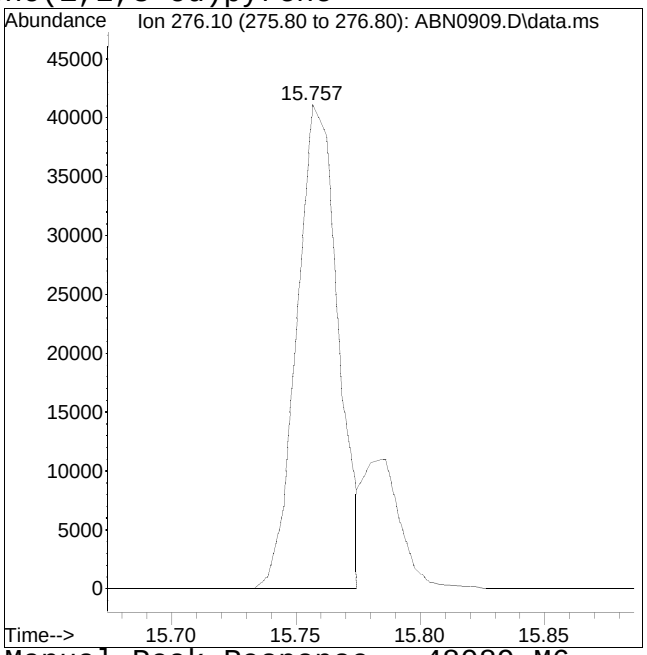
Manual Integration Report

Data Path : I:\8270\SV107\240909RVT\ QMethod : FS240730SV107RVT.m
Data File : ABN0909.D Operator : SV107:jg
Date Inj'd : 9/10/2024 1:23 am Instrument : SV107
Sample : WG1968646-3,32,,ABN RVT CCQuant Date : 9/10/2024 1:51 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 58843



Manual Peak Response = 48089 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : AP90909.D
Acq On : 10 Sep 2024 1:48 am
Operator : SV107:jg
Sample : WG1968646-4,32,,AP9 RVT CCV Lot #10909
Misc : WG1968646,,ical21360
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 02:17:04 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:17:42 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	85	0.00
28	T	Benzaldehyde		1.145	1.047	8.6	81	0.00
29	T	Acetophenone		2.032	1.522	25.1#	67	0.00
30	T	m-Toluidine		1.860	1.428	23.2#	64	0.00
31	T	2-Chloroaniline		1.773	1.390	21.6#	67	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	72	0.00
56	T	a-Terpineol		0.297	0.218	26.6#	51	0.00
57	T	3-Chloroaniline		0.163	0.115	29.4#	50	0.00
58	T	2,6-Dichlorophenol		0.319	0.285	10.7	62	0.00
59	T	1-chloro-2-nitrobenzene		0.155	0.156	-0.6	73	0.00
60	T	Caprolactam	*	5.000	5.157	-3.1	84	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.444	0.440	0.9	74	0.00
62	T	Biphenyl		1.036	0.989	4.5	73	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	83	0.00
84	T	Dichloran	*	5.000	4.128	17.4	84	0.00
85	T	Pentachloronitrobenzene	*	5.000	4.205	15.9	80	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
99	T	Diphenamid		0.507	0.463	8.7	78	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : AP90909.D
Acq On : 10 Sep 2024 1:48 am
Operator : SV107:jg
Sample : WG1968646-4,32,,AP9 RVT CCV Lot #10909
Misc : WG1968646,,ical21360
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 02:17:04 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:17:42 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.098	152	13914	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	7.557	136	43321	4.000	ug/ml		0.00
83) IS2_Acenaphthene-d10	9.322	164	29241	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	10.751	188	56947	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.493	105	18218	4.576	ug/ml		94
29) Acetophenone	6.622	105	26466	3.745	ug/ml	#	80
30) m-Toluidine	6.728	106	24837	3.839	ug/ml		94
31) 2-Chloroaniline	7.134	127	24177	3.921	ug/ml	#	93
56) a-Terpineol	7.639	59	11791	3.667	ug/ml	#	76
57) 3-Chloroaniline	7.651	65	6240	3.544	ug/ml		98
58) 2,6-Dichlorophenol	7.675	162	15423	4.457	ug/ml	#	84
59) 1-chloro-2-nitrobenzene	7.945	111	8444	5.030	ug/ml	#	1
60) Caprolactam	7.992	55	9527	5.157	ug/ml	#	75
61) 1,2,4,5-Tetrachloroben...	8.475	216	23819	4.951	ug/ml		98
62) Biphenyl	8.781	154	53577	4.776	ug/ml		99
84) Dichloran	10.457	206	6060	4.128	ug/ml	#	70
85) Pentachloronitrobenzene	10.604	237	5887	4.205	ug/ml	#	83
99) Diphenamid	11.669	167	32959	4.571	ug/ml	#	81

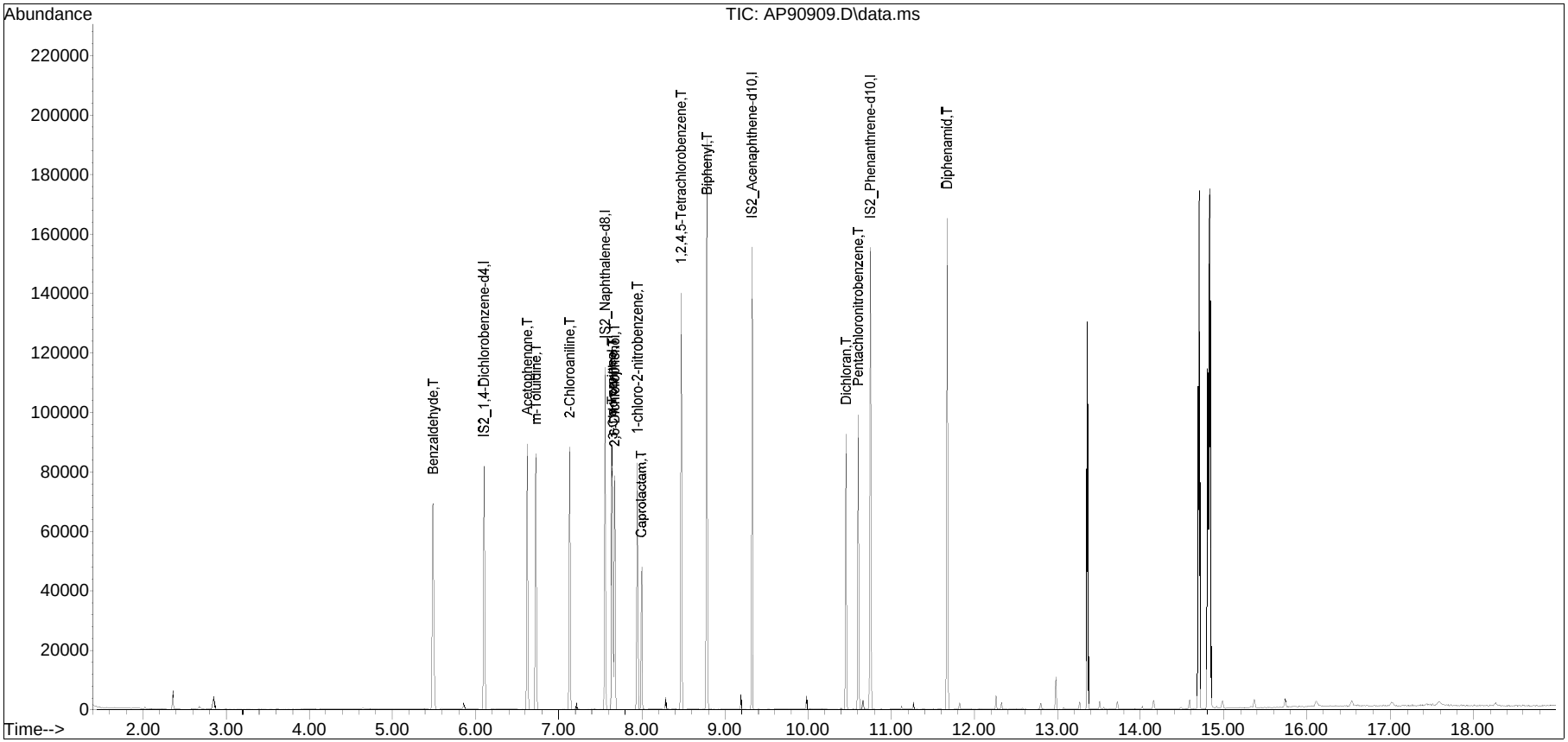
(#) = qualifier out of range (m) = manual integration (+) = signals summed

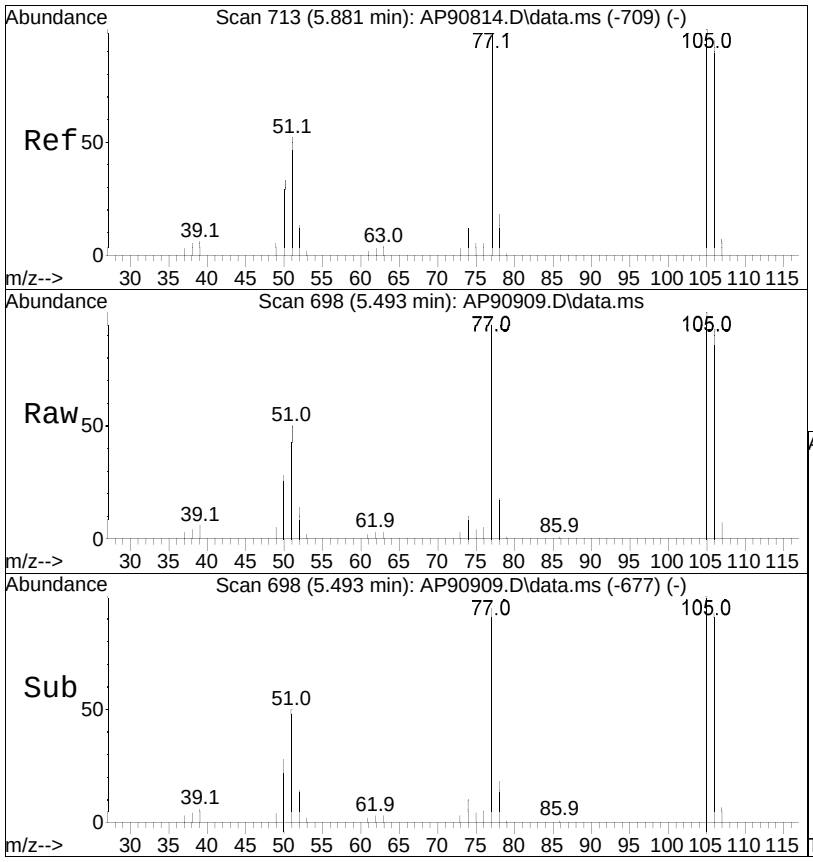
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : AP90909.D
Acq On : 10 Sep 2024 1:48 am
Operator : SV107:jg
Sample : WG1968646-4,32,,AP9 RVT CCV Lot #10909
Misc : WG1968646,,ical21360
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Sep 10 02:17:04 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:17:42 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

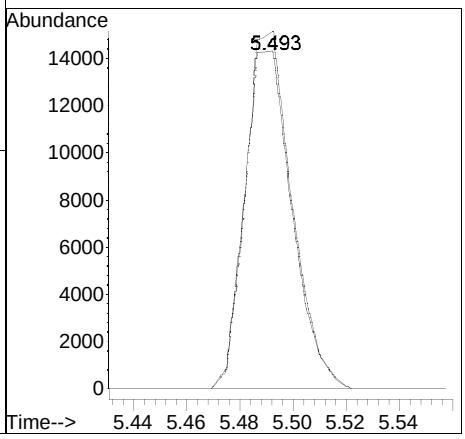


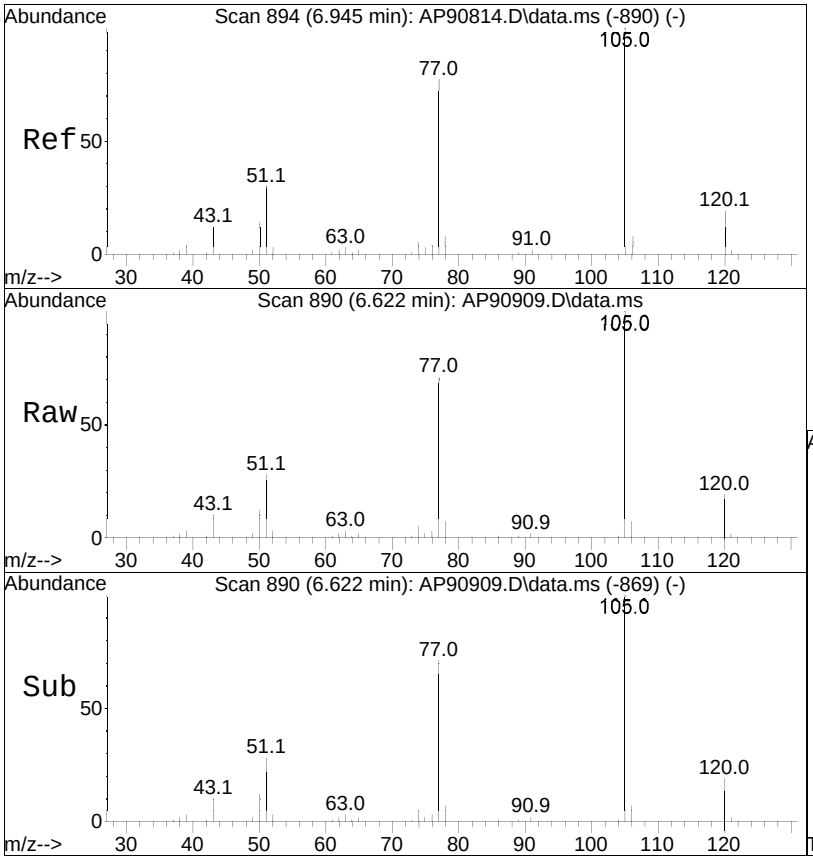


#28
Benzaldehyde
Concen: 4.58 ug/ml
RT: 5.493 min Scan# 698
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:105 Resp: 18218

Ion	Ratio	Lower	Upper
105	100		
77	96.7	82.2	123.4

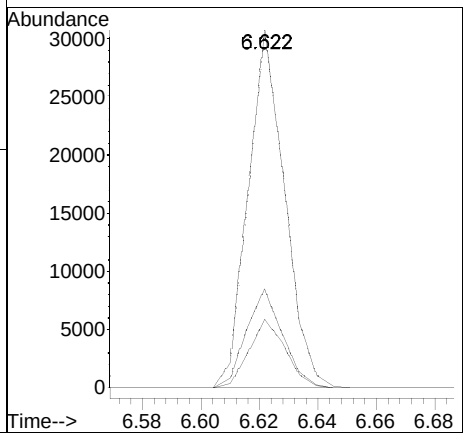


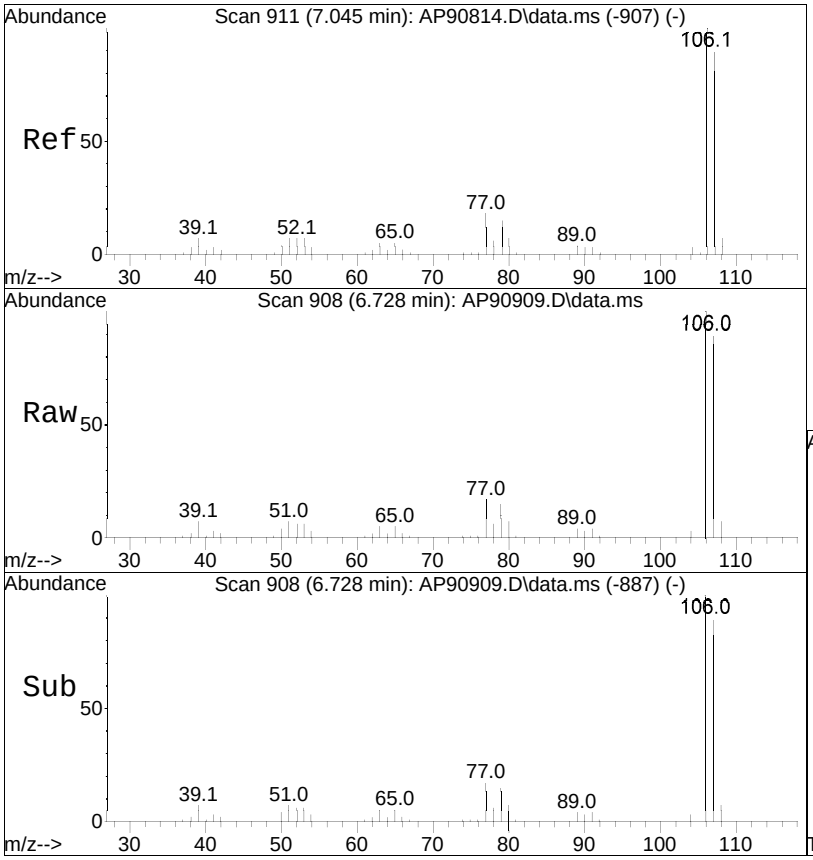


#29
Acetophenone
Concen: 3.74 ug/ml
RT: 6.622 min Scan# 890
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:105 Resp: 26466

Ion	Ratio	Lower	Upper
105	100		
120	19.2	20.5	30.7#
51	27.7	34.9	52.3#

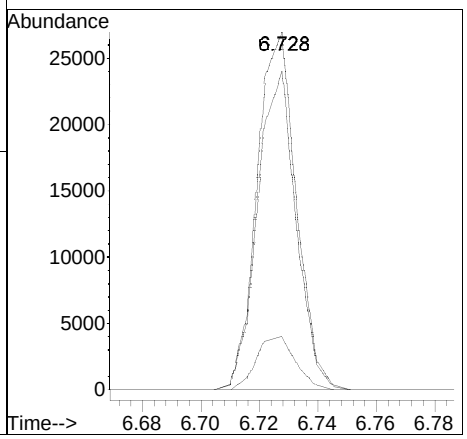


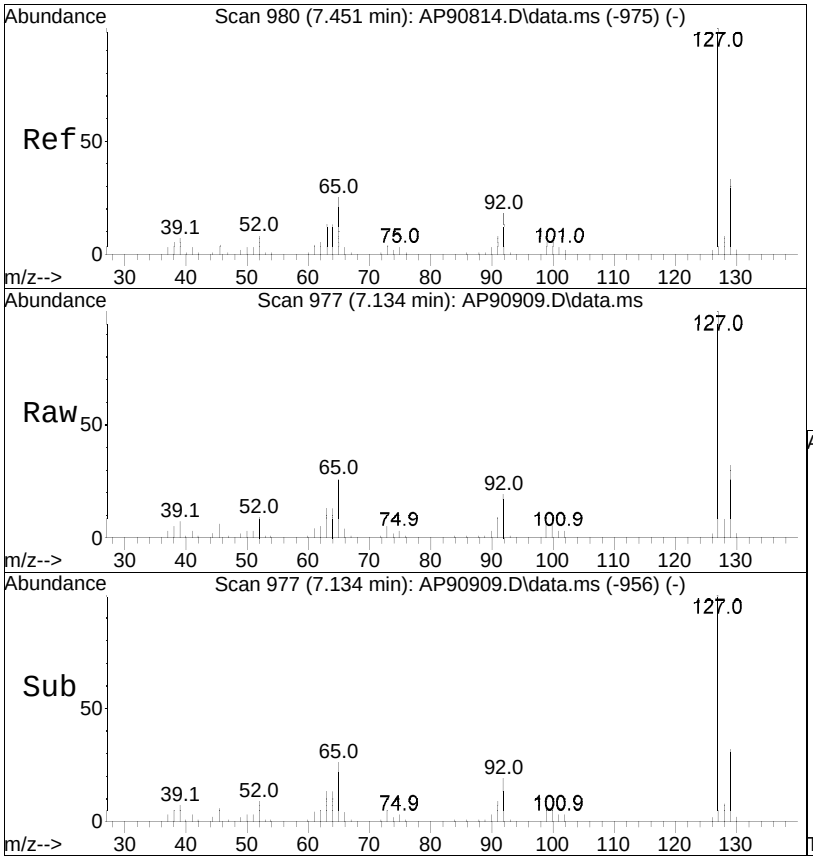


#30
m-Toluidine
Concen: 3.84 ug/ml
RT: 6.728 min Scan# 908
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:106 Resp: 24837

Ion	Ratio	Lower	Upper
106	100		
107	87.8	75.7	113.5
79	14.9	11.8	17.8

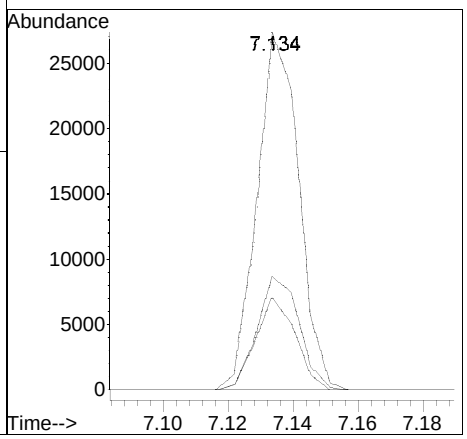


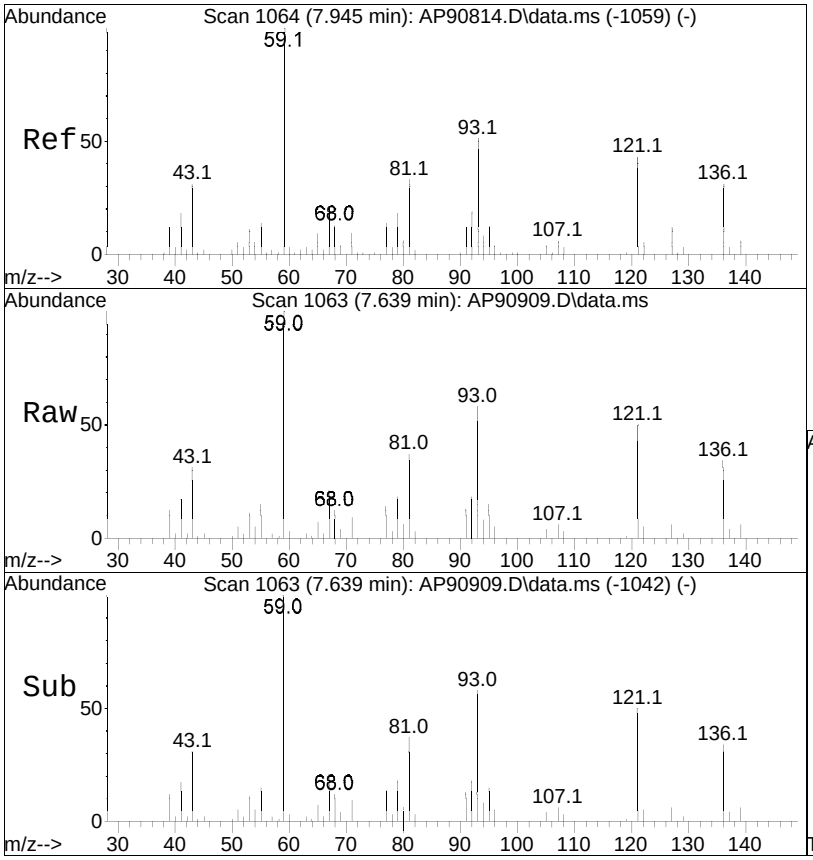


#31
2-Chloroaniline
Concen: 3.92 ug/ml
RT: 7.134 min Scan# 977
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:127 Resp: 24177

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	24.8	26.3	39.5#

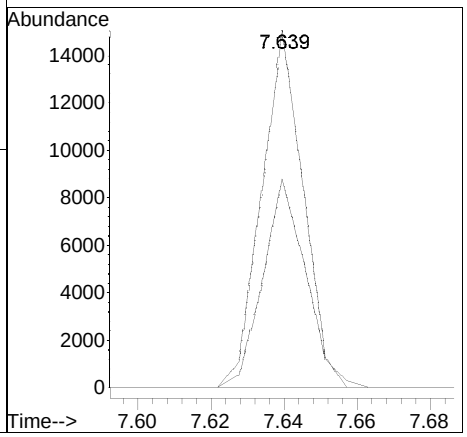


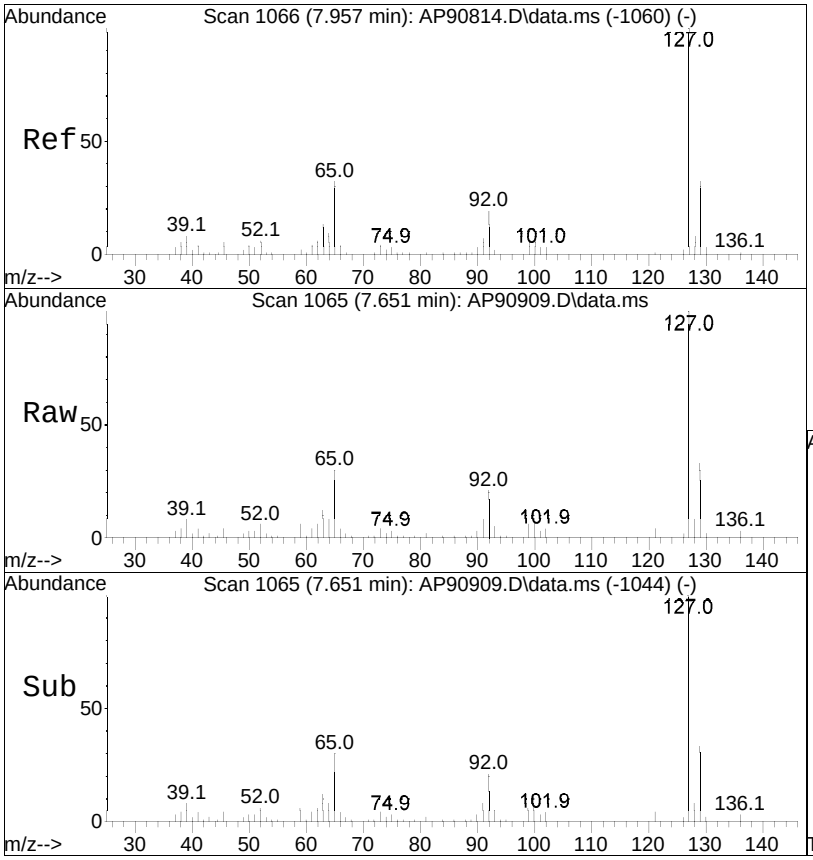


#56
a-Terpineol
Concen: 3.67 ug/ml
RT: 7.639 min Scan# 1063
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion: 59 Resp: 11791

Ion	Ratio	Lower	Upper
59	100		
93	60.3	35.6	53.4#

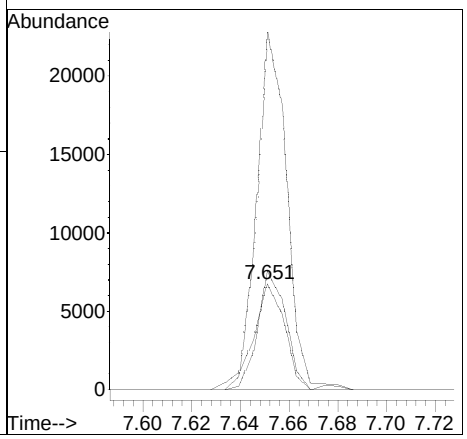


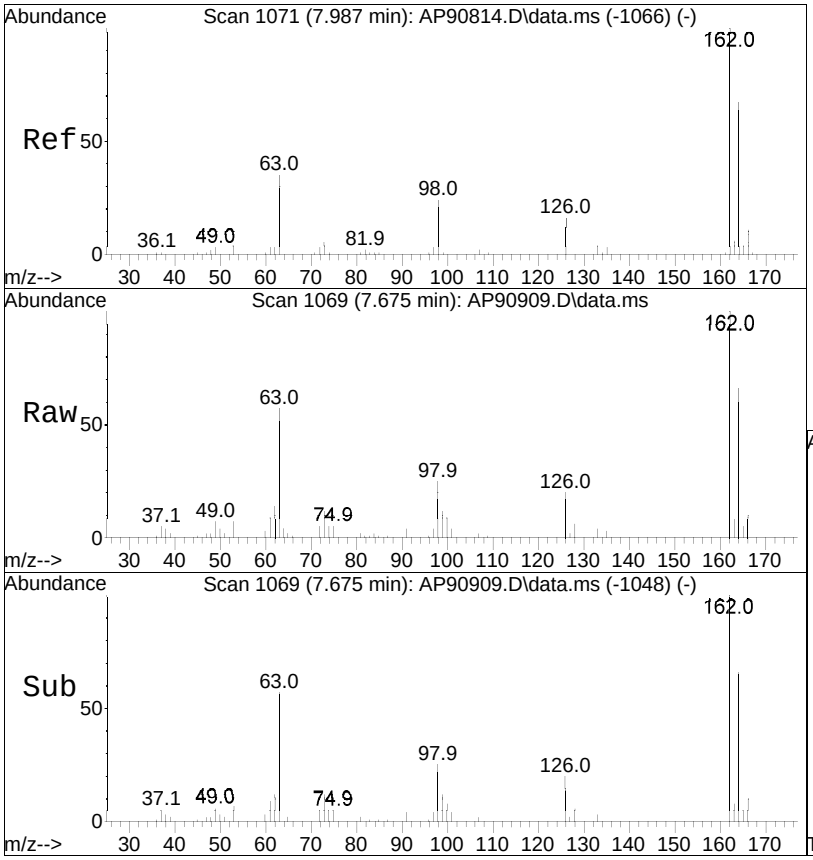


#57
3-Chloroaniline
Concen: 3.54 ug/ml
RT: 7.651 min Scan# 1065
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion: 65 Resp: 6240

Ion	Ratio	Lower	Upper
65	100		
127	307.5	243.2	364.8
129	97.4	78.8	118.2

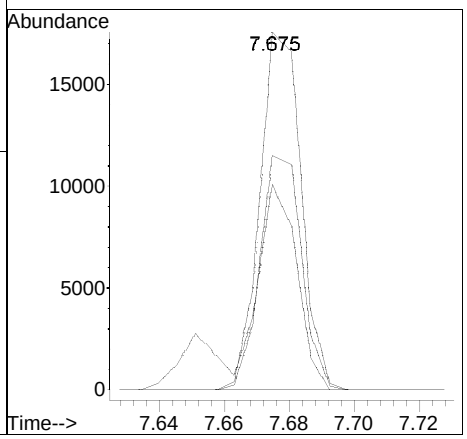


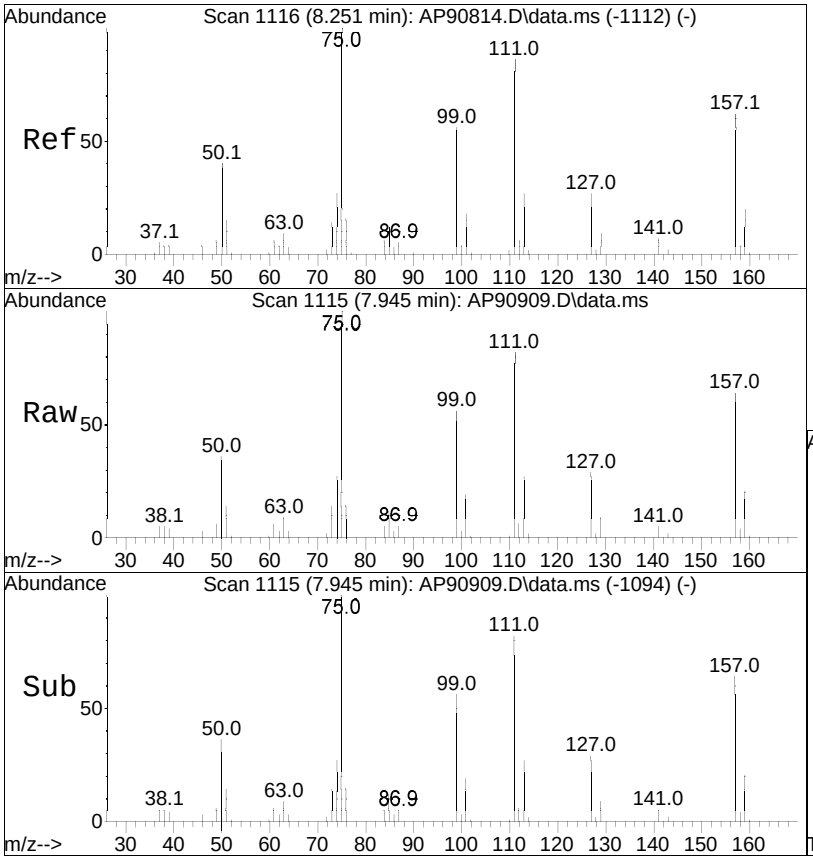


#58
2,6-Dichlorophenol
Concen: 4.46 ug/ml
RT: 7.675 min Scan# 1069
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:162 Resp: 15423

Ion	Ratio	Lower	Upper
162	100		
164	66.2	51.1	76.7
63	53.2	60.8	91.2#

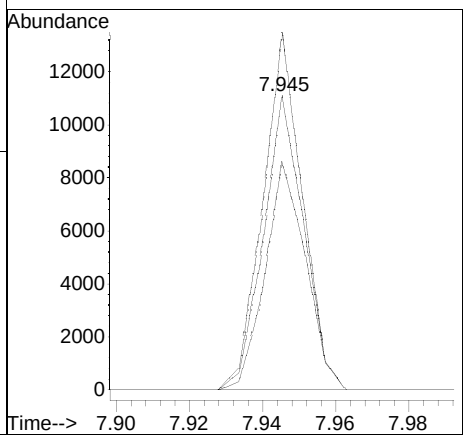


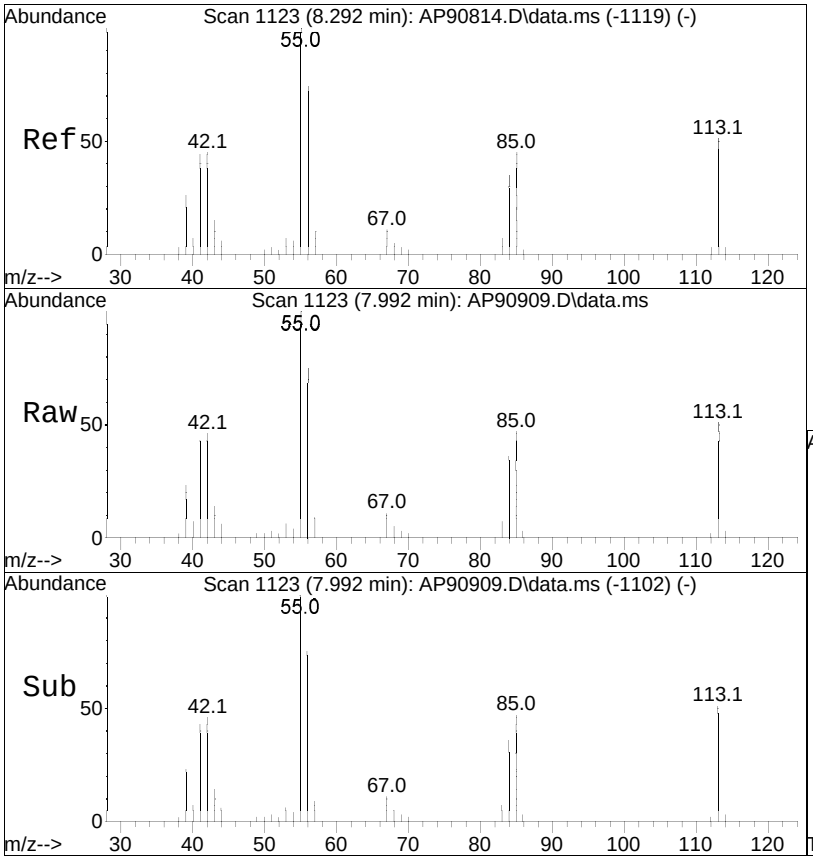


#59
1-chloro-2-nitrobenzene
Concen: 5.03 ug/ml
RT: 7.945 min Scan# 1115
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:111 Resp: 8444

Ion	Ratio	Lower	Upper
111	100		
157	78.1	0.0	0.0#
75	118.5	28.2	42.2#

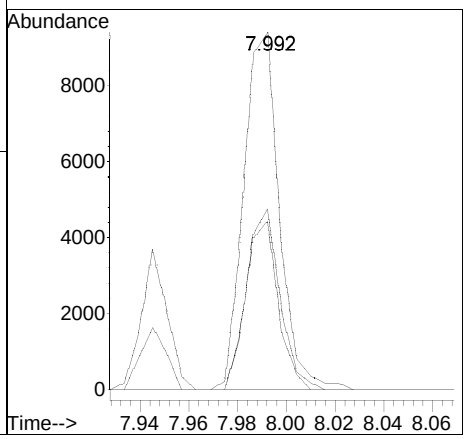


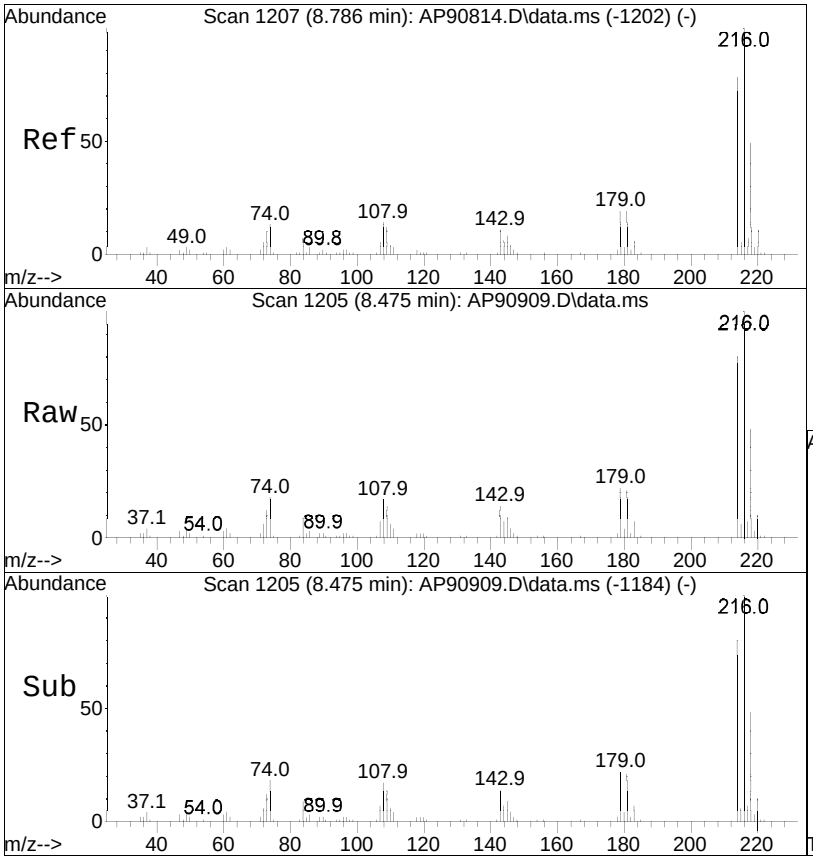


#60
Caprolactam
Concen: 5.16 ug/ml
RT: 7.992 min Scan# 1123
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion: 55 Resp: 9527

Ion	Ratio	Lower	Upper
55	100		
85	43.1	19.8	29.6#
113	47.5	29.6	44.4#

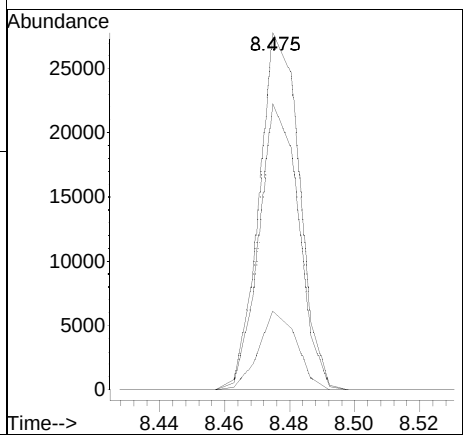


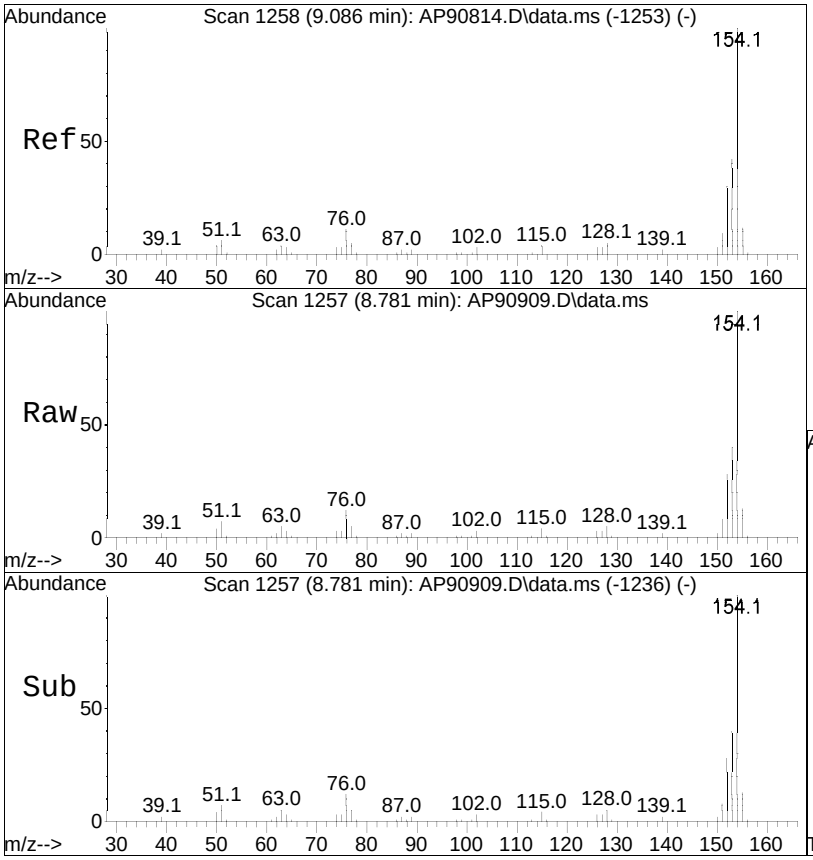


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.95 ug/ml
RT: 8.475 min Scan# 1205
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:216 Resp: 23819

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.7	95.5
179	20.9	19.0	28.6

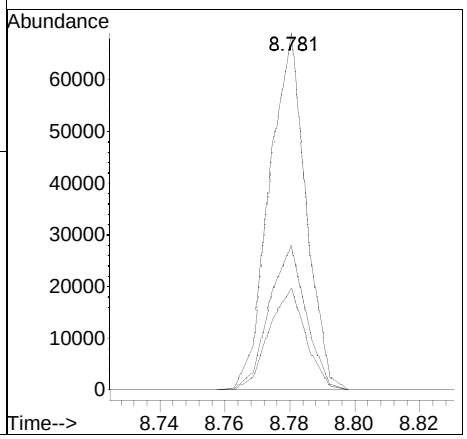


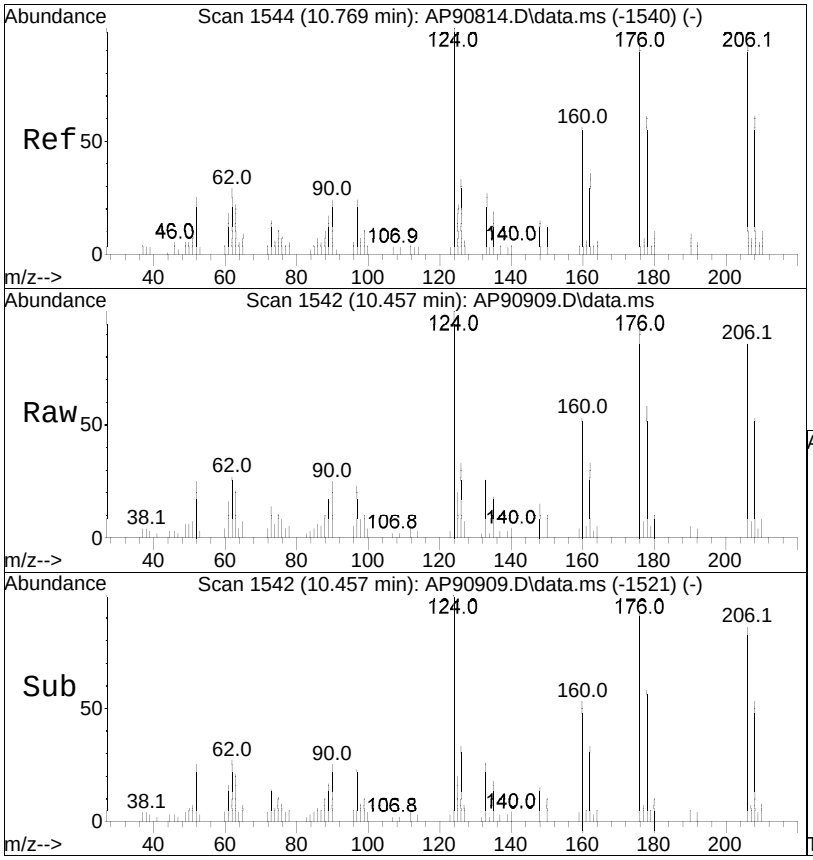


#62
Biphenyl
Concen: 4.78 ug/ml
RT: 8.781 min Scan# 1257
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:154 Resp: 53577

Ion	Ratio	Lower	Upper
154	100		
153	40.9	32.3	48.5
152	28.9	22.5	33.7

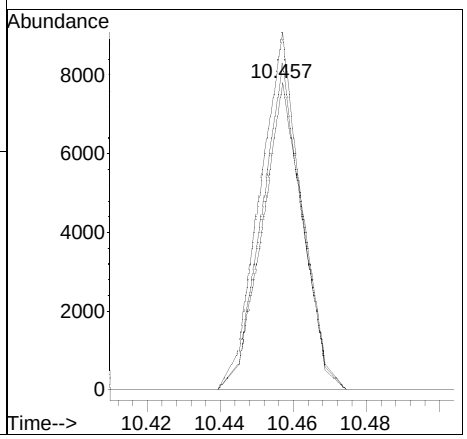


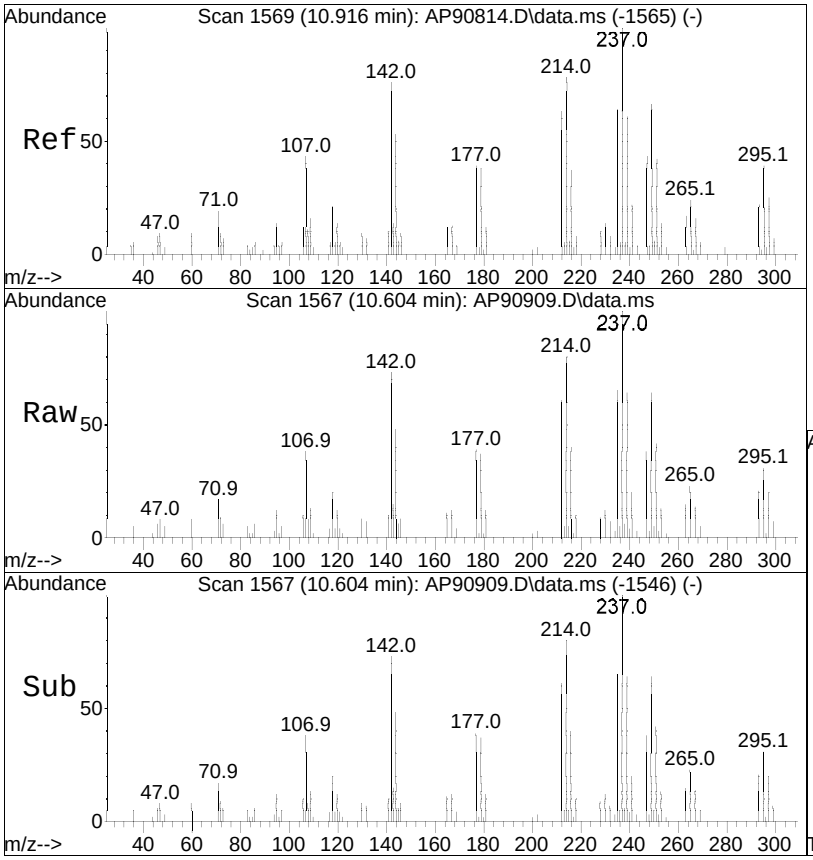


#84
Dichloran
Concen: 4.13 ug/ml
RT: 10.457 min Scan# 1542
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:206 Resp: 6060

Ion	Ratio	Lower	Upper
206	100		
176	103.3	104.6	157.0#
124	115.7	130.5	195.7#

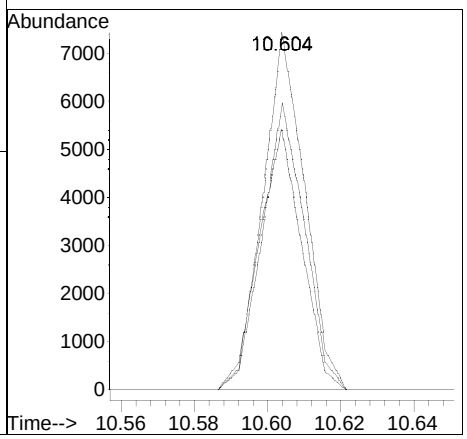


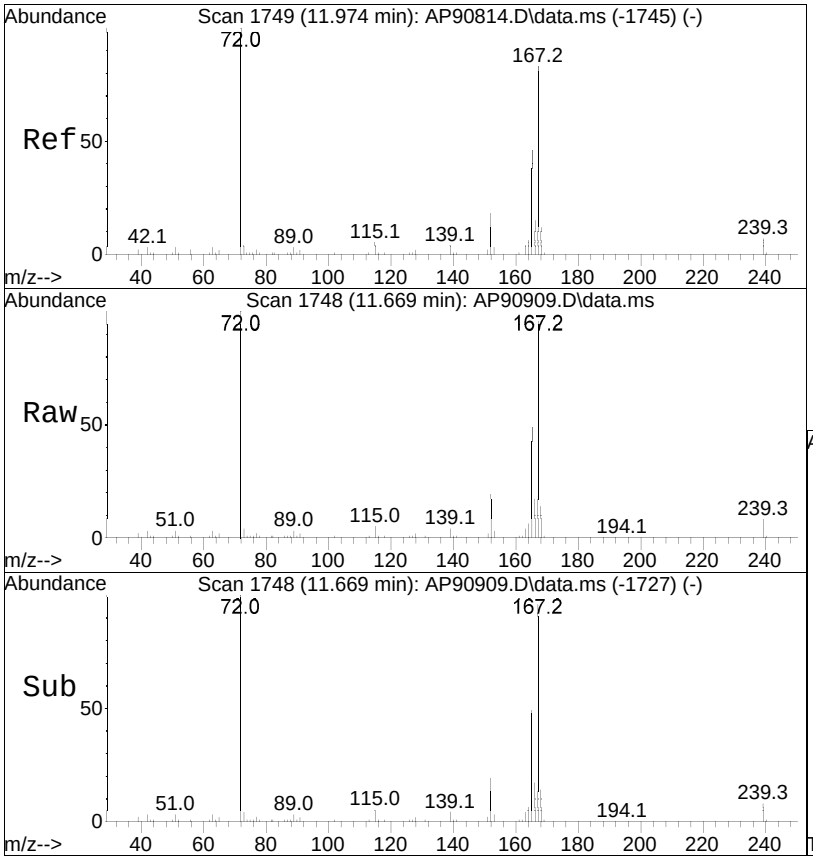


#85
Pentachloronitrobenzene
Concen: 4.21 ug/ml
RT: 10.604 min Scan# 1567
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:237 Resp: 5887

Ion	Ratio	Lower	Upper
237	100		
142	74.6	77.0	115.4#
214	81.0	58.2	87.4

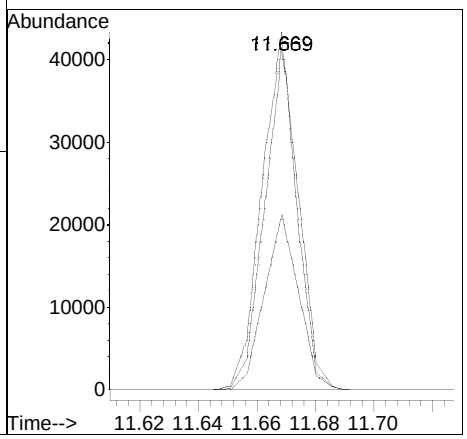




#99
Diphenamid
Concen: 4.57 ug/ml
RT: 11.669 min Scan# 1748
Delta R.T. 0.000 min
Lab File: AP90909.D
Acq: 10 Sep 2024 1:48 am

Tgt Ion:167 Resp: 32959

Ion	Ratio	Lower	Upper
167	100		
72	105.6	109.7	164.5#
165	51.8	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: AP90909.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 1:48 am	Instrument	: SV107
Sample	: WG1968646-4,32,,AP9 RVT CC	Quant Date	: 9/10/2024 2:17 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\240909RVT\
Data File : ADP0909.D
Acq On : 10 Sep 2024 2:14 am
Operator : SV107:jg
Sample : WG1968646-5,32,,ADP RVT CCV Lot #10751
Misc : WG1968646,,ical21360
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 02:33:39 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	77	0.00
33		1,4-Dioxane		0.459	0.469	-2.2	91	0.00
34	T	n-Decane		1.388	1.514	-9.1	93	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	63	0.00
87	T	Atrazine		0.315	0.394	-25.1#	78	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	76	0.00
101	T	n-Octadecane		0.381	0.407	-6.8	83	0.00
102	T	Parathion	*	5.000	5.321	-6.4	97	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.268	14.6	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ADP0909.D
Acq On : 10 Sep 2024 2:14 am
Operator : SV107:jg
Sample : WG1968646-5,32,,ADP RVT CCV Lot #10751
Misc : WG1968646,,ical21360
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 02:33:39 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:17 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.098	152	13789	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	9.322	164	23350	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	10.751	188	57227	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.522	88	8091	5.109	ug/ml#	76
34)	n-Decane	6.004	57	26104	5.454	ug/ml#	50
87)	Atrazine	10.539	200	11499	6.261	ug/ml	95
101)	n-Octadecane	10.751	57	29116	5.337	ug/ml#	1
102)	Parathion	11.551	109	6009	5.321	ug/ml	95
103)	3,3'-Dimethylbenzidine	12.816	212	42470	4.268	ug/ml	99

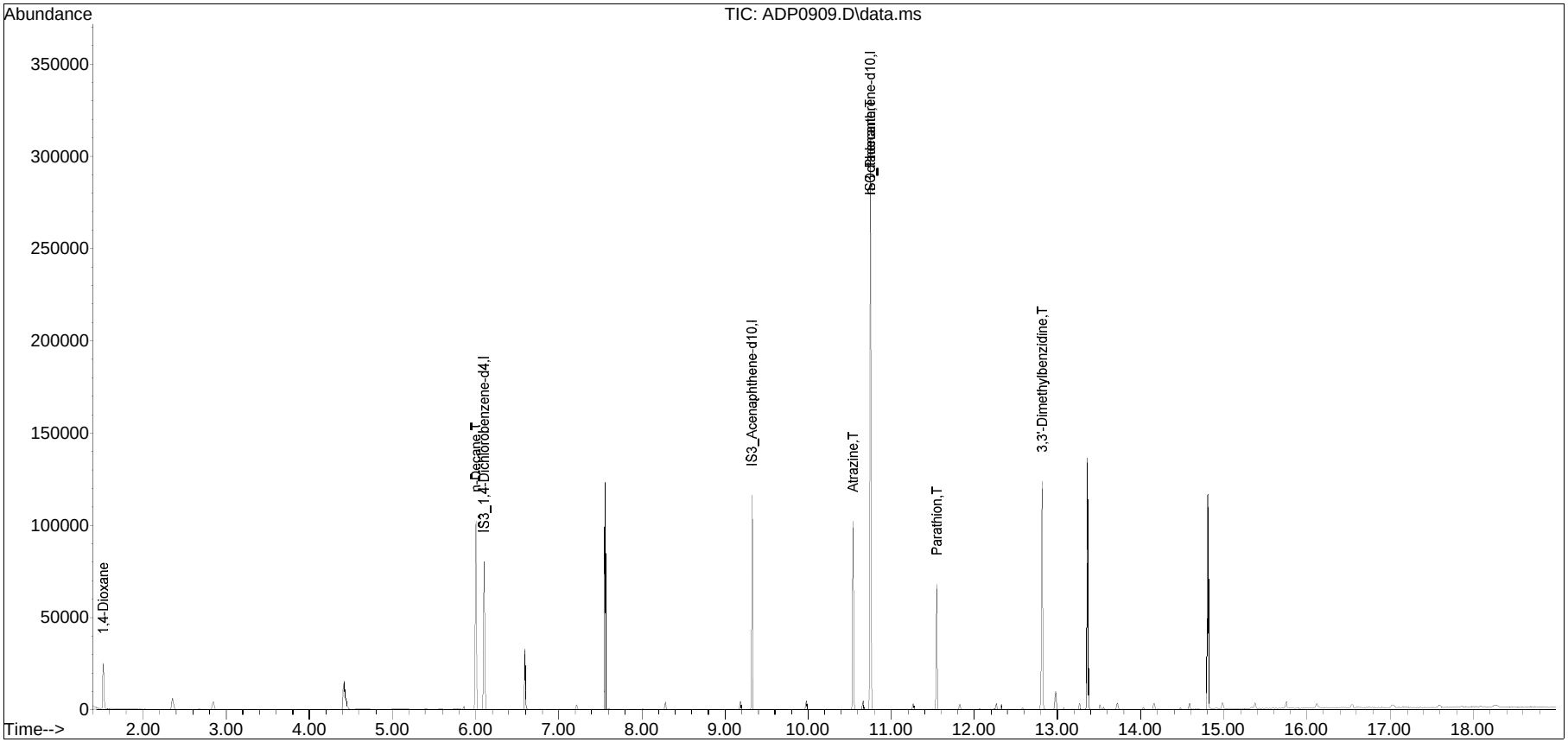
(#) = qualifier out of range (m) = manual integration (+) = signals summed

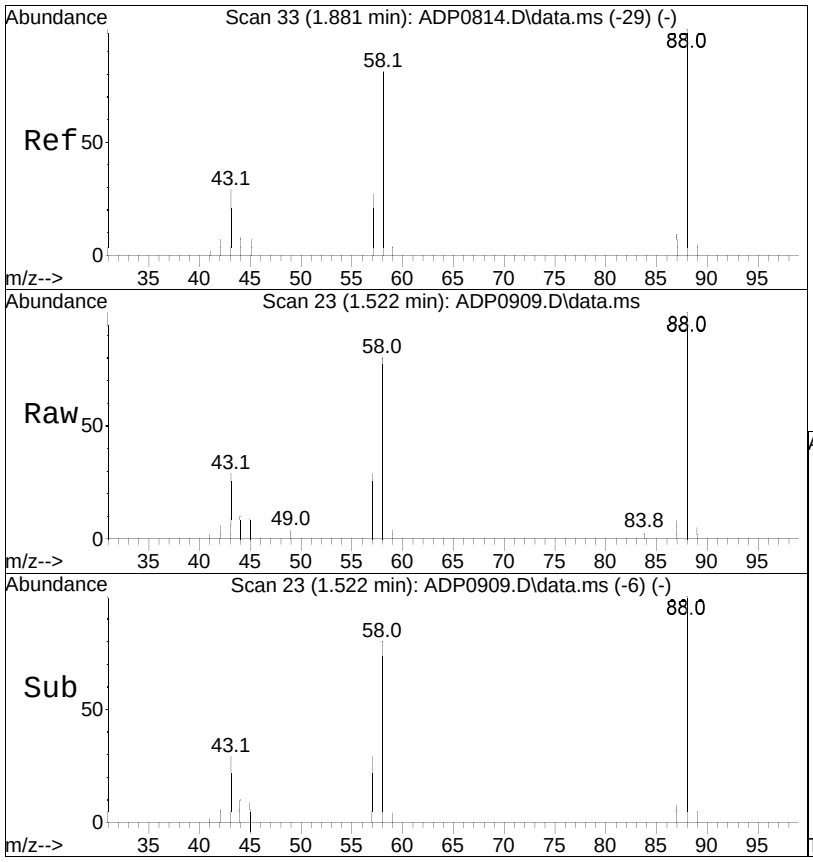
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\240909RVT\
Data File : ADP0909.D
Acq On : 10 Sep 2024 2:14 am
Operator : SV107:jg
Sample : WG1968646-5,32,,ADP RVT CCV Lot #10751
Misc : WG1968646,,ical21360
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Sep 10 02:33:39 2024
Quant Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 02:34:17 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

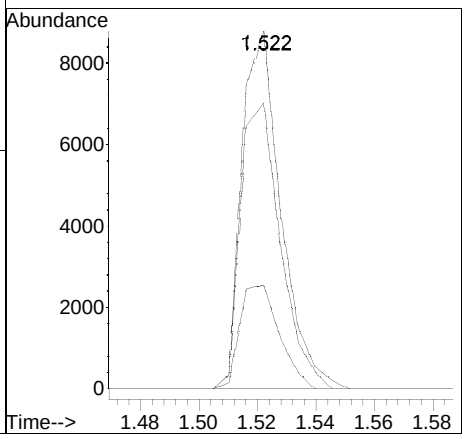


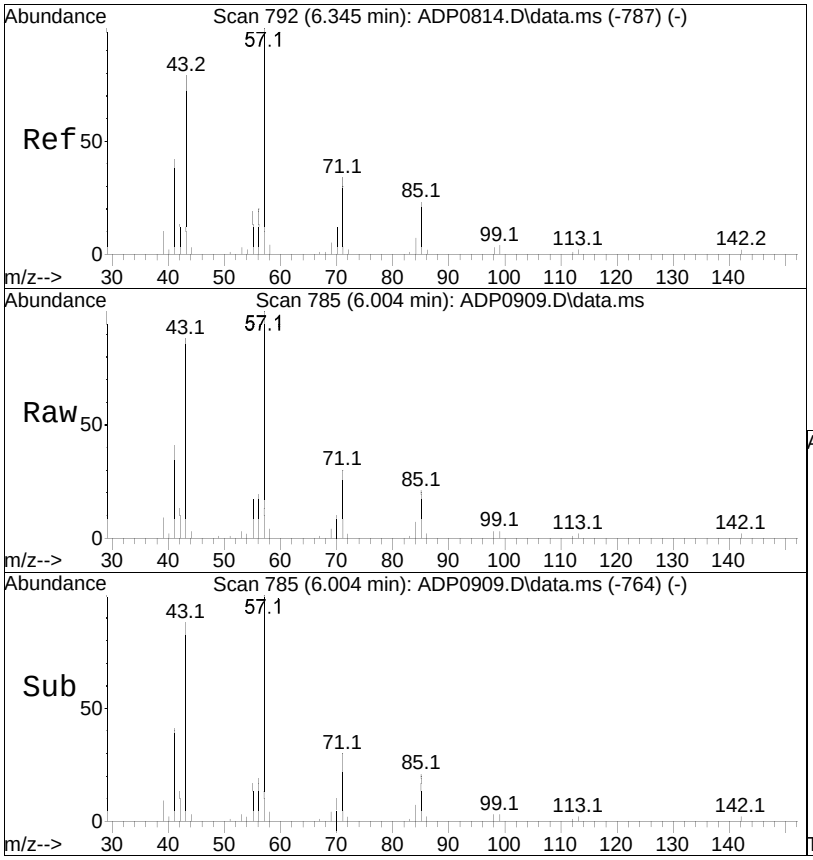


#33
1,4-Dioxane
Concen: 5.11 ug/ml
RT: 1.522 min Scan# 23
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion: 88 Resp: 8091

Ion	Ratio	Lower	Upper
88	100		
58	81.7	44.8	67.2#
43	29.5	22.4	33.6

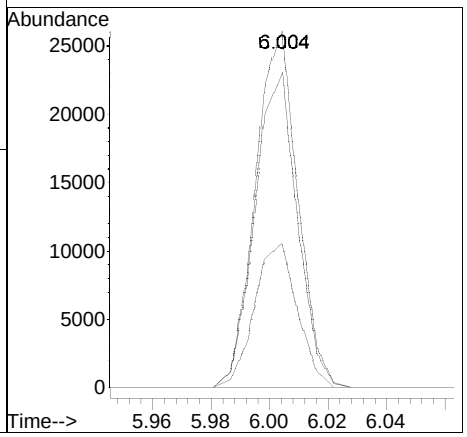


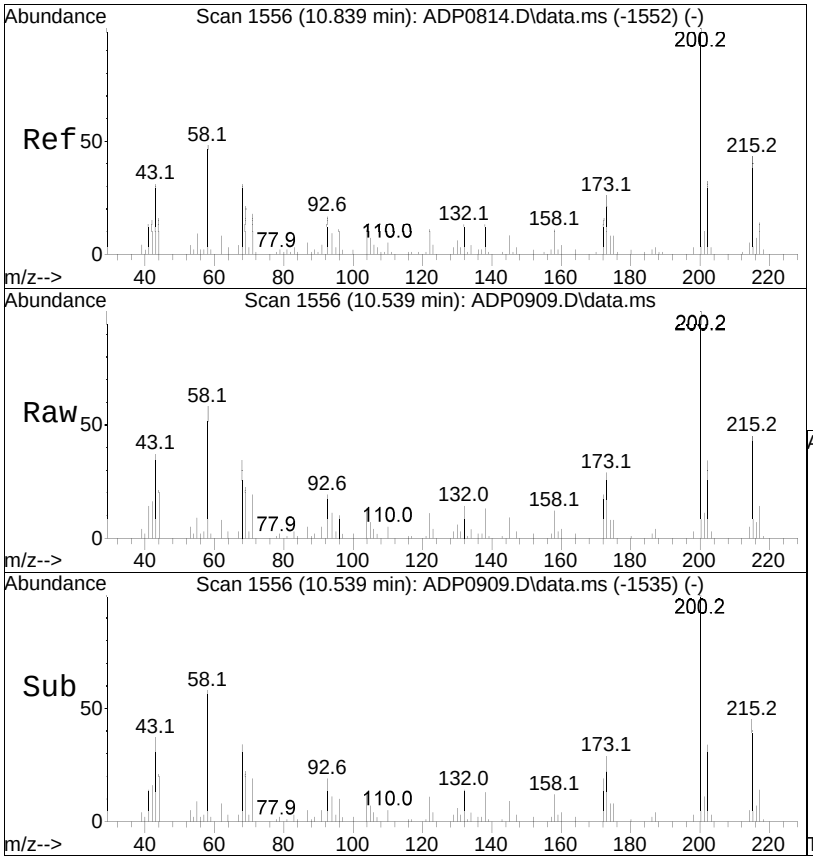


#34
n-Decane
Concen: 5.45 ug/ml
RT: 6.004 min Scan# 785
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion: 57 Resp: 26104

Ion	Ratio	Lower	Upper
57	100		
43	88.7	0.2	0.2#
41	41.0	0.2	0.2#

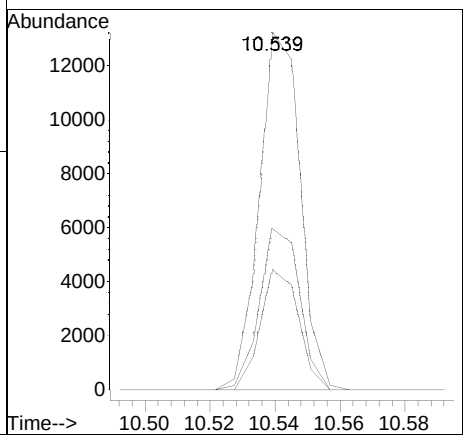


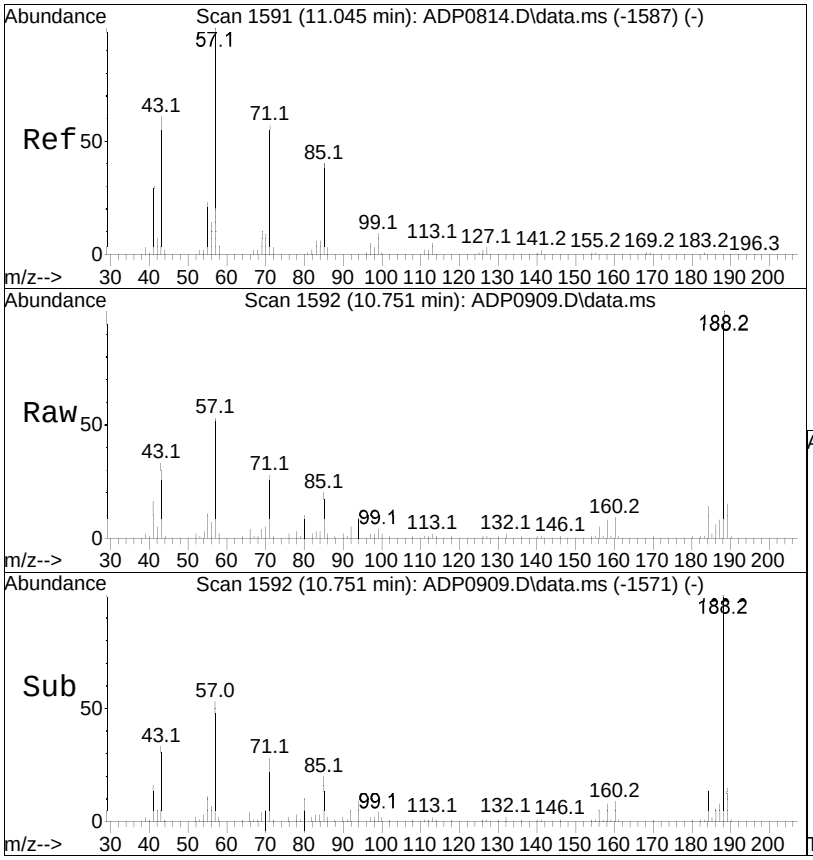


#87
Atrazine
Concen: 6.26 ug/ml
RT: 10.539 min Scan# 1556
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion:200 Resp: 11499

Ion	Ratio	Lower	Upper
200	100		
202	31.7	25.8	38.6
215	44.5	40.2	60.4

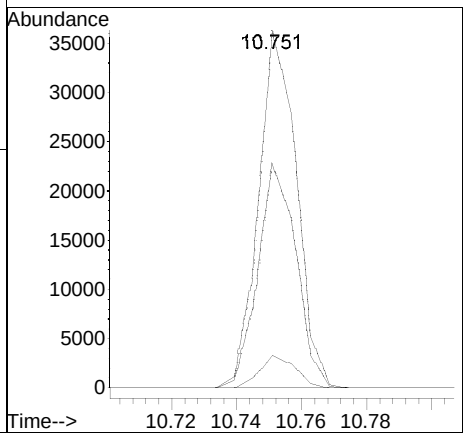


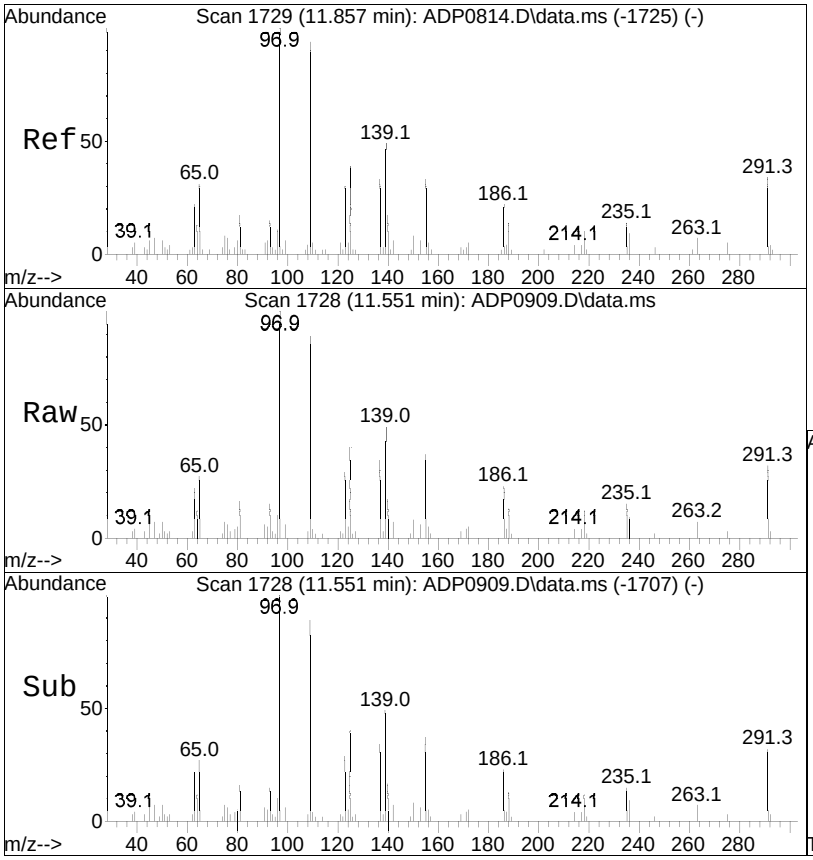


#101
n-Octadecane
Concen: 5.34 ug/ml
RT: 10.751 min Scan# 1592
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion: 57 Resp: 29116

Ion	Ratio	Lower	Upper
57	100		
43	63.4	9.0	13.6#
70	8.7	0.2	0.2#

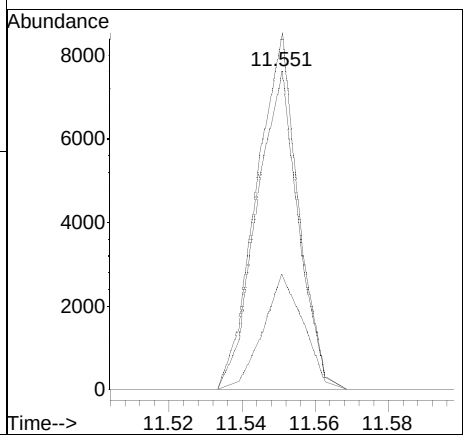


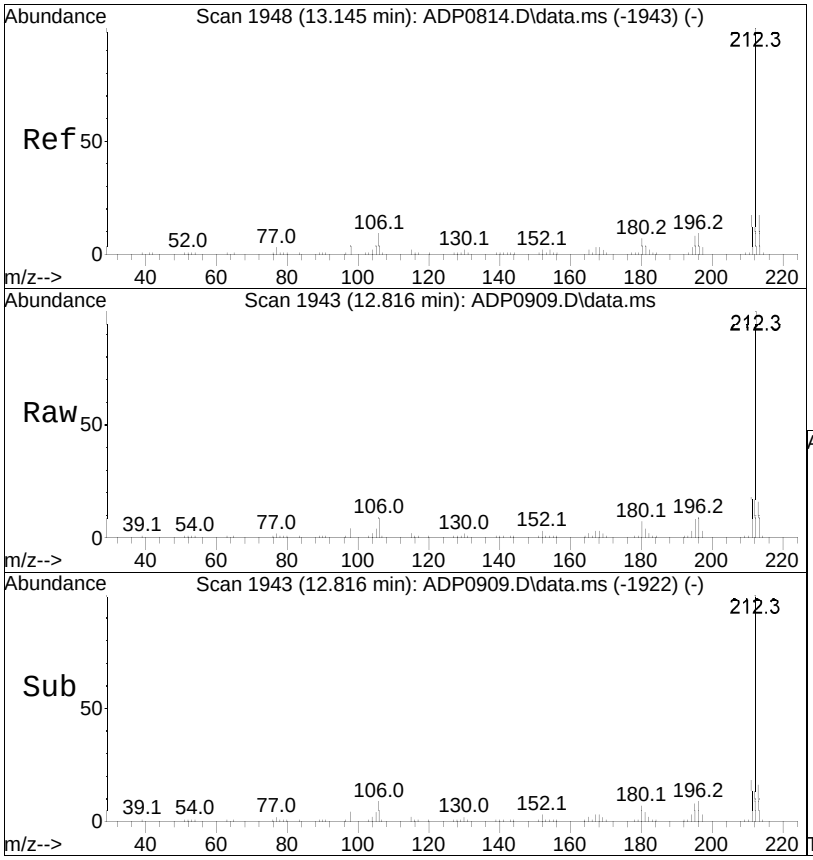


#102
Parathion
Concen: 5.32 ug/ml
RT: 11.551 min Scan# 1728
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion:109 Resp: 6009

Ion	Ratio	Lower	Upper
109	100		
97	111.7	87.4	131.2
291	35.1	34.2	51.2

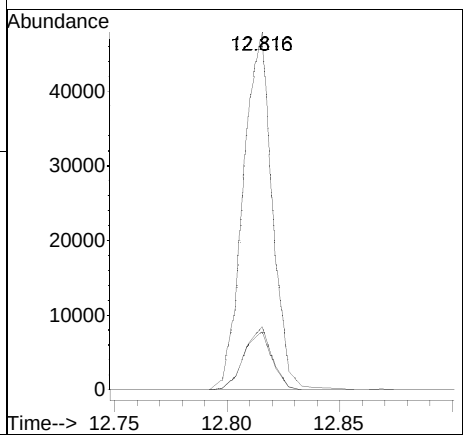




#103
3,3'-Dimethylbenzidine
Concen: 4.27 ug/ml
RT: 12.816 min Scan# 1943
Delta R.T. 0.000 min
Lab File: ADP0909.D
Acq: 10 Sep 2024 2:14 am

Tgt Ion:212 Resp: 42470

Ion	Ratio	Lower	Upper
212	100		
211	16.8	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

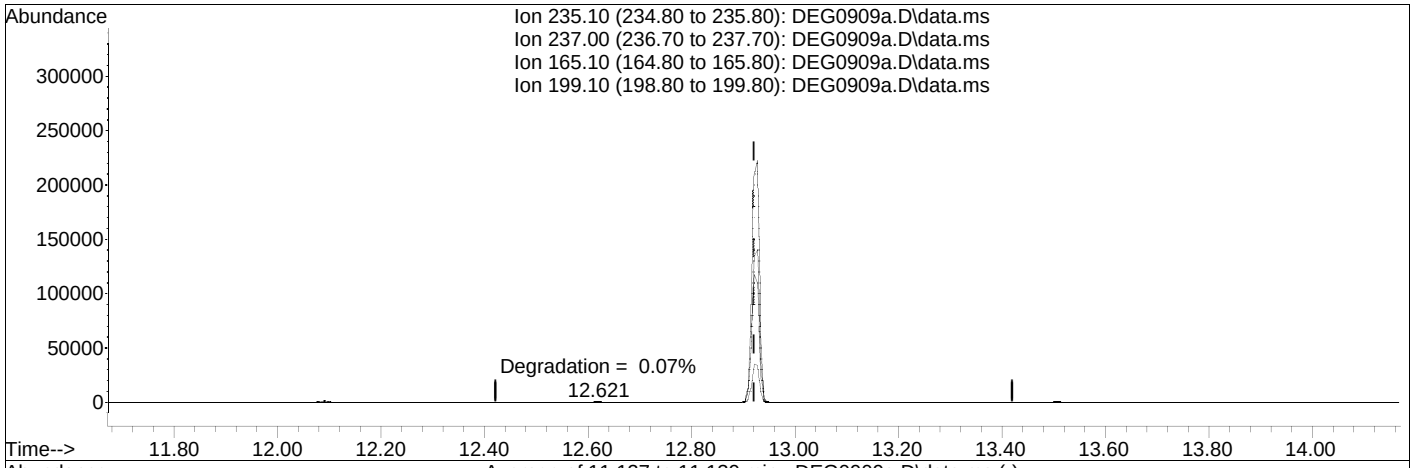
Data Path	: I:\8270\SV107\240909RVT\	QMethod	: FS240730SV107RVT.m
Data File	: ADP0909.D	Operator	: SV107:jg
Date Inj'd	: 9/10/2024 2:14 am	Instrument	: SV107
Sample	: WG1968646-5,32,,ADP RVT CC	Quant Date	: 9/10/2024 2:34 am

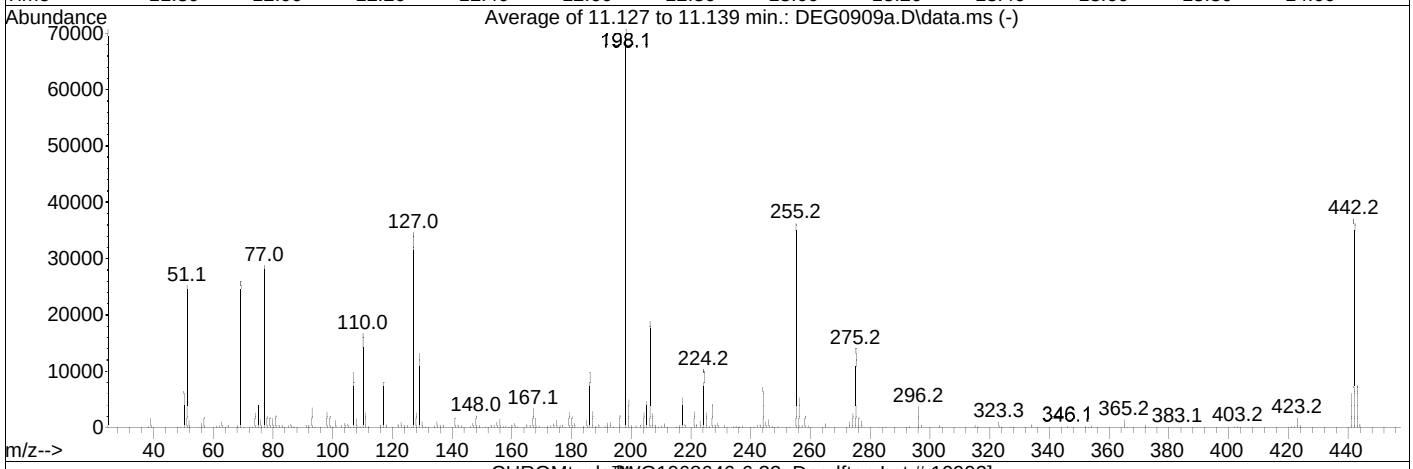
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240909RVT\
Data File : DEG0909a.D
Acq On : 10 Sep 2024 12:58 am
Operator : SV107:jg
Sample : WG1968646-2,32,,Degdftpp Lot # 10992
Misc : WG1968646,,ical21360
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 10 01:19:53 2024
Quant Method : I:\8270\SV107\240909RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:20:45 2024
Response via : Initial Calibration





CHROMtools [WG1968646-6,32,,Degdftpp Lot # 10992]

(6) DDT (T)

12.927min (+ 0.006) 34.23

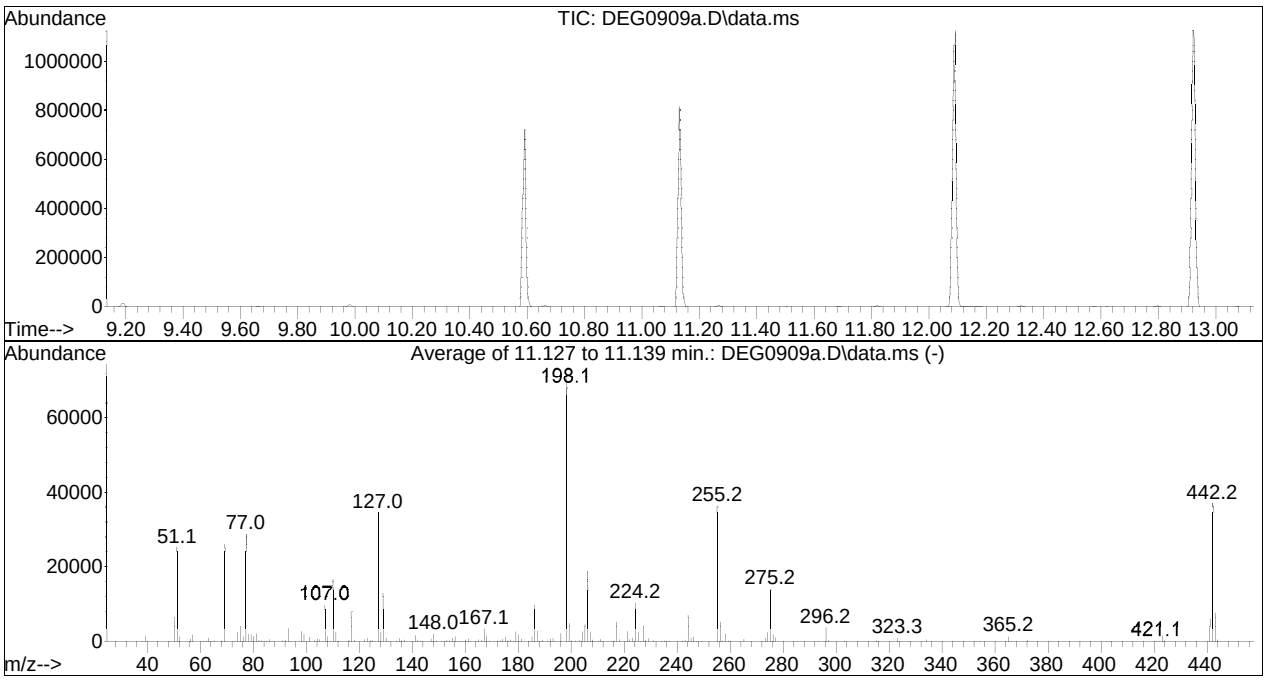
response 208628

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	63.72
165.10	55.40	53.17
199.10	16.20	16.09

Data Path : I:\8270\SV107\240909RVT\
Data File : DEG0909a.D
Acq On : 10 Sep 2024 12:58 am
Operator : SV107: ASK
Sample : WG1968646-1,32,,Degdftpp Lot # 10992
Misc : WG1968646,,ical21360
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\240909RVT\FS240730SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Sep 10 02:34:15 2024



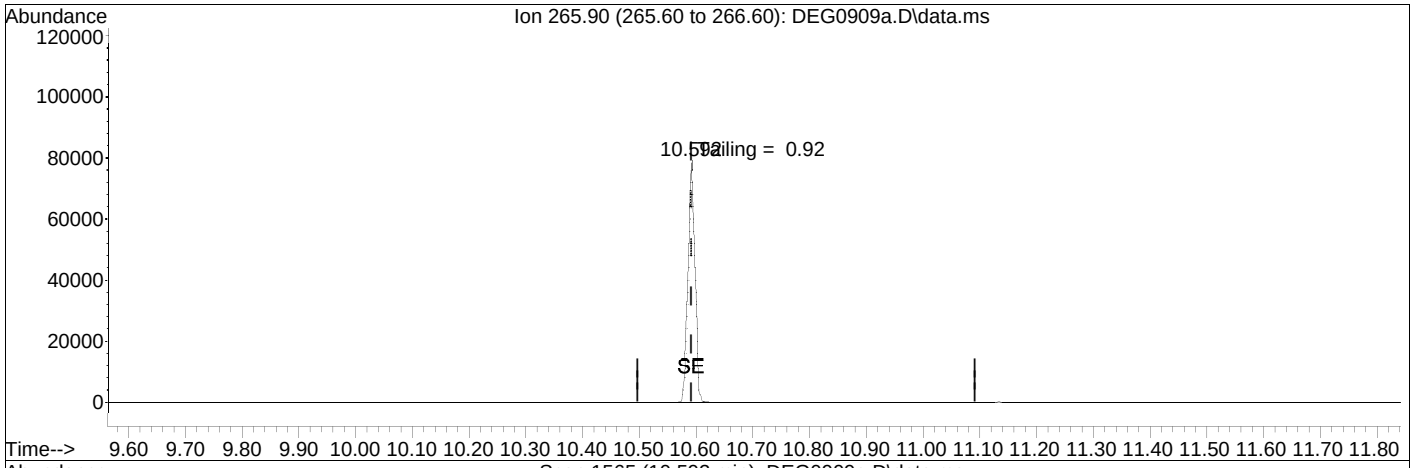
Spectrum Information: Average of 11.127 to 11.139 min.

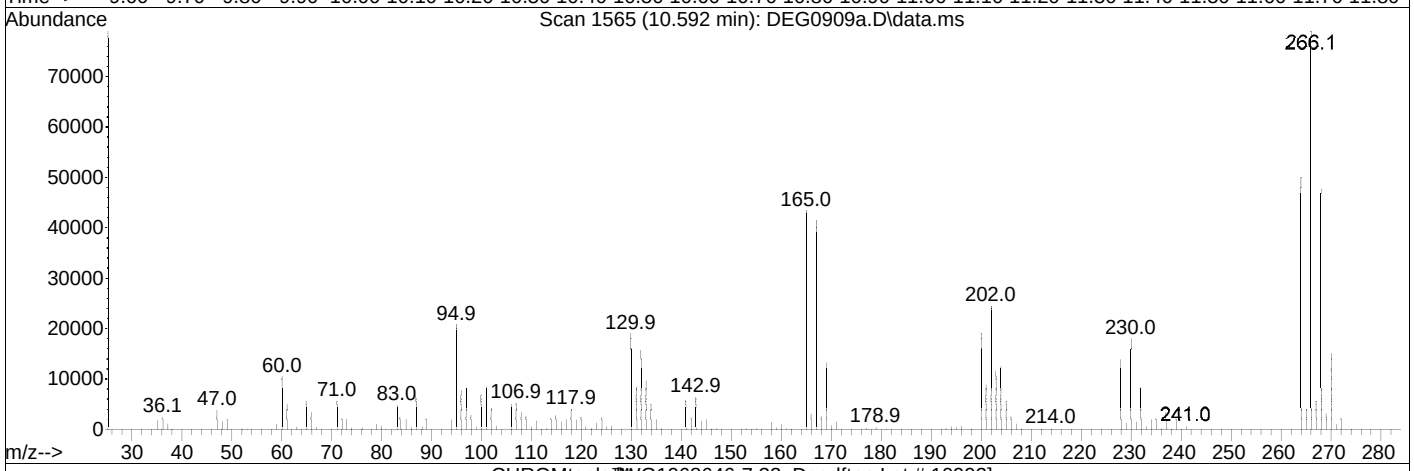
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.6	25205	PASS
68	69	0.00	2	1.6	408	PASS
69	69	100	100	100.0	25972	PASS
70	69	0.00	2	0.4	108	PASS
127	198	10	80	48.9	34576	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	70765	PASS
199	198	5	9	6.9	4917	PASS
275	198	10	60	19.8	14025	PASS
365	198	1	100	1.9	1348	PASS
441	442	0.01	24	16.1	5964	PASS
442	198	50	100	52.3	36984	PASS
443	442	15	24	20.4	7554	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240909RVT\
Data File : DEG0909a.D
Acq On : 10 Sep 2024 12:58 am
Operator : SV107:jg
Sample : WG1968646-7,32,,Degdftpp Lot # 10992
Misc : WG1968646,,ical21360
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 10 01:19:53 2024
Quant Method : I:\8270\SV107\240909RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:20:45 2024
Response via : Initial Calibration





CHROMtools [WG1968646-7,32,,Degdftpp Lot # 10992]

(1) Pentachlorophenol (T)

10.592min (+ 0.000) 29.67

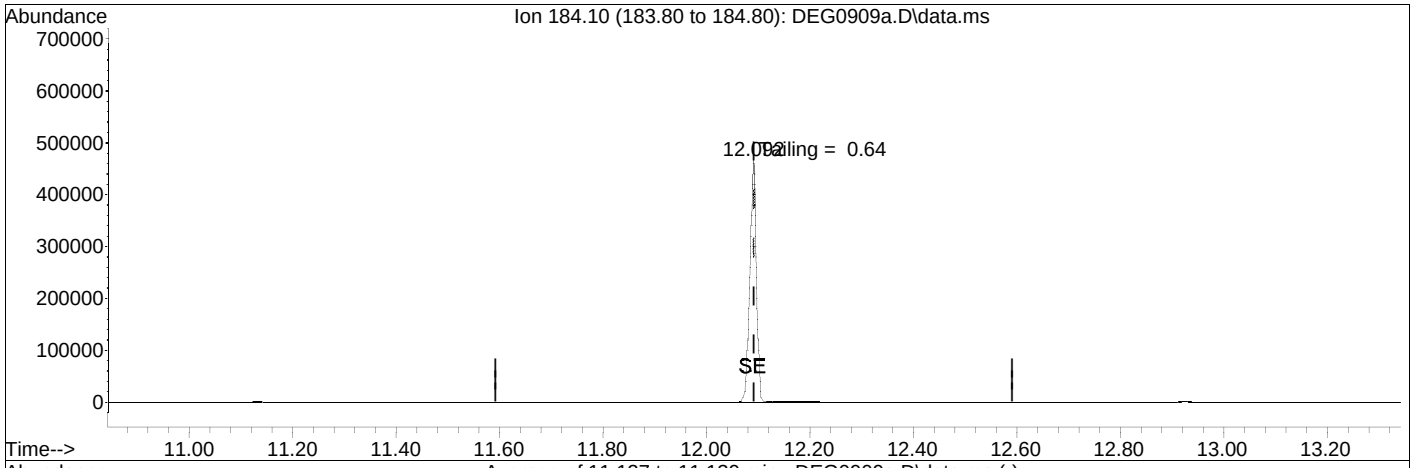
response 62318

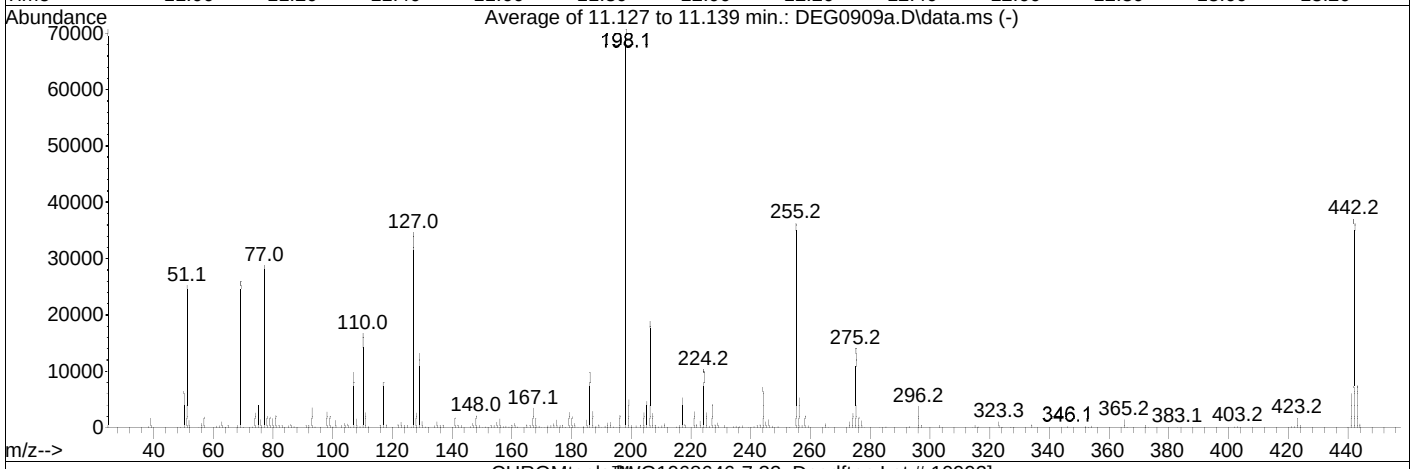
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\240909RVT\
Data File : DEG0909a.D
Acq On : 10 Sep 2024 12:58 am
Operator : SV107:jg
Sample : WG1968646-6,32,,Degdftpp Lot # 10992
Misc : WG1968646,,ical21360
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Sep 10 01:19:53 2024
Quant Method : I:\8270\SV107\240909RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 01:20:45 2024
Response via : Initial Calibration





CHROMtools [WG1968646-7,32,,Degdftpp Lot # 10992]

(3) Benzidine (T)

12.092min (-0.000) 38.18

response 388640

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-1.D
Acq On : 09 Sep 2024 03:38 pm
Operator : SV112:smz
Sample : WG1968975-1,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 09:50:53 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.652	152	30509	4.000	ug/ml		0.00
Standard Area 1 = 31987			Recovery = 95.38%				
27) IS2_1,4-Dichlorobenzen...	3.652	152	30509	4.000	ug/ml		-0.02
Standard Area 3 = 30314			Recovery = 100.64%				
32) IS3_1,4-Dichlorobenzen...	3.652	152	30509	4.000	ug/ml		0.00
Standard Area 2 = 23007			Recovery = 132.61%				
35) IS1_Naphthalene-d8	4.905	136	111035	4.000	ug/ml		0.00
Standard Area 1 = 122680			Recovery = 90.51%				
55) IS2_Naphthalene-d8	4.905	136	111035	4.000	ug/ml		-0.02
Standard Area 3 = 114336			Recovery = 97.11%				
63) IS1_Acenaphthene-d10	6.587	164	71321	4.000	ug/ml		0.00
Standard Area 1 = 82429			Recovery = 86.52%				
83) IS2_Acenaphthene-d10	6.587	164	71321	4.000	ug/ml		-0.02
Standard Area 3 = 74590			Recovery = 95.62%				
86) IS3_Acenaphthene-d10	6.587	164	71321	4.000	ug/ml		0.00
Standard Area 2 = 54174			Recovery = 131.65%				
88) IS1_Phenanthrene-d10	7.975	188	154947	4.000	ug/ml		0.00
Standard Area 1 = 192675			Recovery = 80.42%				
100) IS3_Phenanthrene-d10	7.975	188	154947	4.000	ug/ml		0.00
Standard Area 2 = 118445			Recovery = 130.82%				
104) IS1_Chrysene-d12	10.481	240	181206	4.000	ug/ml	#	0.00
Standard Area 1 = 210015			Recovery = 86.28%				
113) IS1_Perylene-d12	11.834	264	217635	4.000	ug/ml		0.00
Standard Area 1 = 248461			Recovery = 87.59%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.263	112	6597	0.823	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.15%				
7) Phenol-d6	3.387	99	6196	0.599	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.95%				
19) Nitrobenzene-d5	4.222	82	5684	0.576	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.60%				
46) 2-Fluorobiphenyl	5.993	172	15621	0.622	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.20%				
79) 2,4,6-Tribromophenol	7.334	330	5896	1.288	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.40%				

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-1.D
Acq On : 09 Sep 2024 03:38 pm
Operator : SV112:smz
Sample : WG1968975-1,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 09:50:53 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.545	244	26059	0.654	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 65.40%

Target Compounds			Qvalue
6) 2-Chlorophenol	0.000	0	N.D.
8) Phenol	0.000	0	N.D.
9) Bis(2-chloroethyl)ether	0.000	0	N.D.
10) 1,3-Dichlorobenzene	0.000	0	N.D.
11) 1,4-Dichlorobenzene	0.000	0	N.D.
12) 1,2-Dichlorobenzene	0.000	0	N.D.
13) Benzyl alcohol	0.000	0	N.D. d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.
15) 2-Methylphenol	0.000	0	N.D.
16) Hexachloroethane	0.000	0	N.D.
17) n-Nitrosodi-n-propylamine	0.000	0	N.D. d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.
20) Nitrobenzene	0.000	0	N.D.
21) Isophorone	0.000	0	N.D.
22) 2-Nitrophenol	0.000	0	N.D.
23) 2,4-Dimethylphenol	0.000	0	N.D.
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.
25) 2,4-Dichlorophenol	0.000	0	N.D.
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.
29) Acetophenone	0.000	0	N.D.
36) Naphthalene	0.000	0	N.D.
37) Benzoic Acid	0.000	0	N.D.
38) 4-Chloroaniline	0.000	0	N.D.
39) Hexachlorobutadiene	0.000	0	N.D.
40) p-Chloro-m-cresol	0.000	0	N.D.
41) 2-Methylnaphthalene	0.000	0	N.D.
43) Hexachlorocyclopentadiene	0.000	0	N.D.
44) 2,4,6-Trichlorophenol	0.000	0	N.D.
45) 2,4,5-Trichlorophenol	0.000	0	N.D.
47) 2-Chloronaphthalene	0.000	0	N.D.
48) 2-Nitroaniline	0.000	0	N.D.
51) Dimethyl phthalate	0.000	0	N.D. d
52) Acenaphthylene	0.000	0	N.D.

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-1.D
Acq On : 09 Sep 2024 03:38 pm
Operator : SV112:smz
Sample : WG1968975-1,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 09:50:53 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
73) Fluorene	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
81) Hexachlorobenzene	0.000		0	N.D.		
82) Pentachlorophenol	0.000		0	N.D.		
89) Phenanthrene	0.000		0	N.D.		
90) Anthracene	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.		
93) Fluoranthene	0.000		0	N.D.		
95) Pyrene	0.000		0	N.D.		
97) Butyl benzyl phthalate	0.000		0	N.D.		
105) Benzo(a)anthracene	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
107) Chrysene	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	
110) Benzo(b)fluoranthene	0.000		0	N.D.		
111) Benzo(k)fluoranthene	0.000		0	N.D.		
112) Benzo(a)pyrene	0.000		0	N.D.	d	
114) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115) Dibenzo(a,h)anthracene	0.000		0	N.D.		
116) Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-1.D
Acq On : 09 Sep 2024 03:38 pm
Operator : SV112:smz
Sample : WG1968975-1,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 09:50:53 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

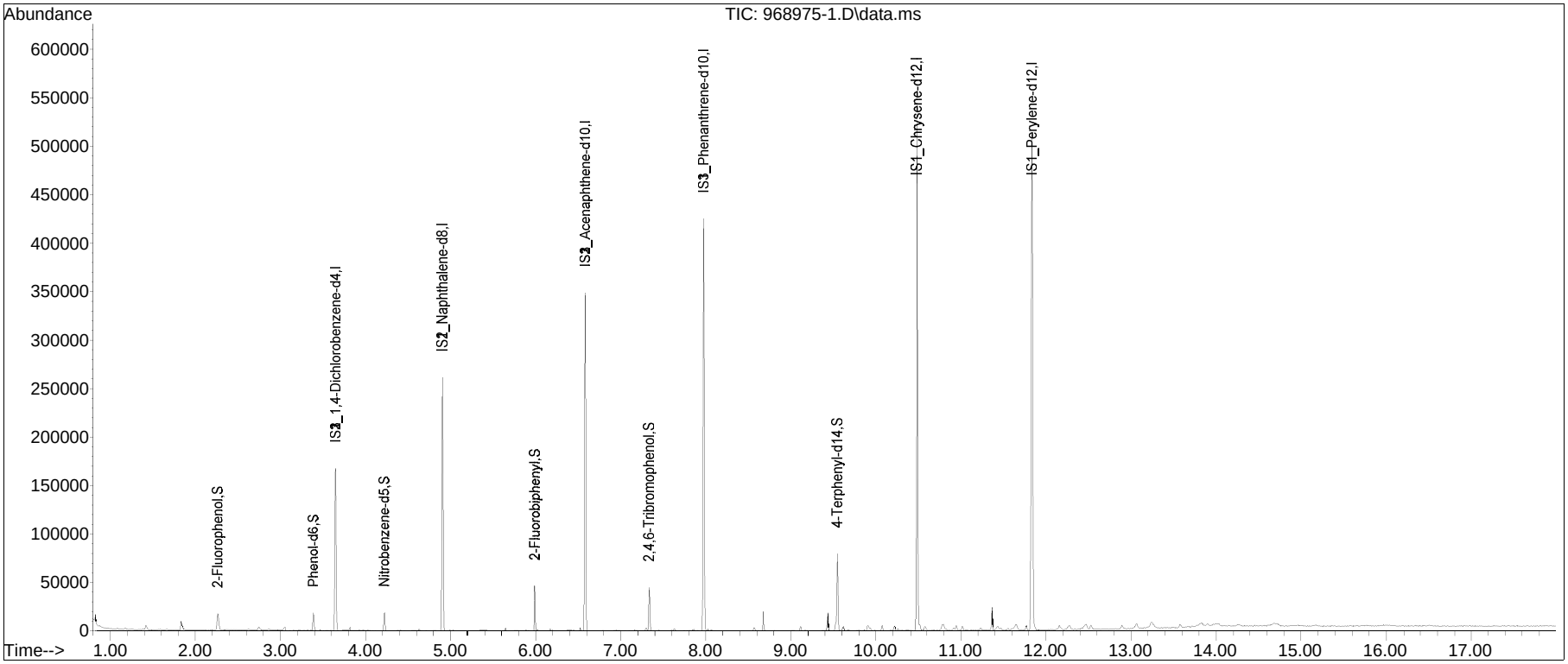
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-1.D
Acq On : 09 Sep 2024 03:38 pm
Operator : SV112:smz
Sample : WG1968975-1,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 09:50:53 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90909.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240909RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 968975-1.D	Operator	: SV112:smz
Date Inj'd	: 9/9/2024 3:38 pm	Instrument	: SV112
Sample	: WG1968975-1,32,,HNY	Quant Date	: 9/9/2024 3:57 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:05:57 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	5.913	152	24478	4.000	ug/ml	# 0.00
Standard Area 1 = 29408			Recovery = 83.24%			
27) IS2_1,4-Dichlorobenzen...	5.913	152	24478	4.000	ug/ml	# 0.00
Standard Area 3 = 35778			Recovery = 68.42%			
32) IS3_1,4-Dichlorobenzen...	5.913	152	24478	4.000	ug/ml	# 0.00
Standard Area 2 = 36164			Recovery = 67.69%			
35) IS1_Naphthalene-d8	7.395	136	87332	4.000	ug/ml	# 0.00
Standard Area 1 = 103126			Recovery = 84.68%			
55) IS2_Naphthalene-d8	7.395	136	87332	4.000	ug/ml	# 0.00
Standard Area 3 = 126202			Recovery = 69.20%			
63) IS1_Acenaphthene-d10	9.166	164	54859	4.000	ug/ml	0.00
Standard Area 1 = 67620			Recovery = 81.13%			
83) IS2_Acenaphthene-d10	9.166	164	54859	4.000	ug/ml	0.00
Standard Area 3 = 83428			Recovery = 65.76%			
86) IS3_Acenaphthene-d10	9.166	164	54859	4.000	ug/ml	0.00
Standard Area 2 = 81551			Recovery = 67.27%			
88) IS1_Phenanthrene-d10	10.589	188	111708	4.000	ug/ml	0.00
Standard Area 1 = 136945			Recovery = 81.57%			
100) IS3_Phenanthrene-d10	10.589	188	111708	4.000	ug/ml	0.00
Standard Area 2 = 173380			Recovery = 64.43%			
104) IS1_Chrysene-d12	13.166	240	116895	4.000	ug/ml	# 0.00
Standard Area 1 = 143932			Recovery = 81.22%			
113) IS1_Perylene-d12	14.595	264	126032	4.000	ug/ml	0.00
Standard Area 1 = 167404			Recovery = 75.29%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.478	112	4674	0.661	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.05%			
7) Phenol-d6	5.548	99	4887	0.505	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.25%			
19) Nitrobenzene-d5	6.619	82	7838	0.791	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.10%			
46) 2-Fluorobiphenyl	8.536	172	15607	0.696	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.60%			
79) 2,4,6-Tribromophenol	9.930	330	3171	0.927	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.35%			

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:05:57 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.166	244	25211	0.839	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 83.90%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	d
52) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:05:57 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
61)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62)	Biphenyl	0.000		0	N.D.		
64)	3-Nitroaniline	0.000		0	N.D.		
65)	Acenaphthene	0.000		0	N.D.		
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	0.000		0	N.D.		
68)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
69)	4-Nitrophenol	0.000		0	N.D.		
72)	Diethyl phthalate	0.000		0	N.D.		
73)	Fluorene	0.000		0	N.D.		
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
81)	Hexachlorobenzene	0.000		0	N.D.		
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	0.000		0	N.D.		
90)	Anthracene	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
93)	Fluoranthene	0.000		0	N.D.		
95)	Pyrene	0.000		0	N.D.		
97)	Butyl benzyl phthalate	0.000		0	N.D.		
105)	Benzo(a)anthracene	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
107)	Chrysene	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	13.318	149	921	0.039	ug/ml#	52
109)	Di-n-octylphthalate	0.000		0	N.D.	d	
110)	Benzo(b)fluoranthene	0.000		0	N.D.		
111)	Benzo(k)fluoranthene	0.000		0	N.D.		
112)	Benzo(a)pyrene	0.000		0	N.D.	d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
116)	Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:05:57 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

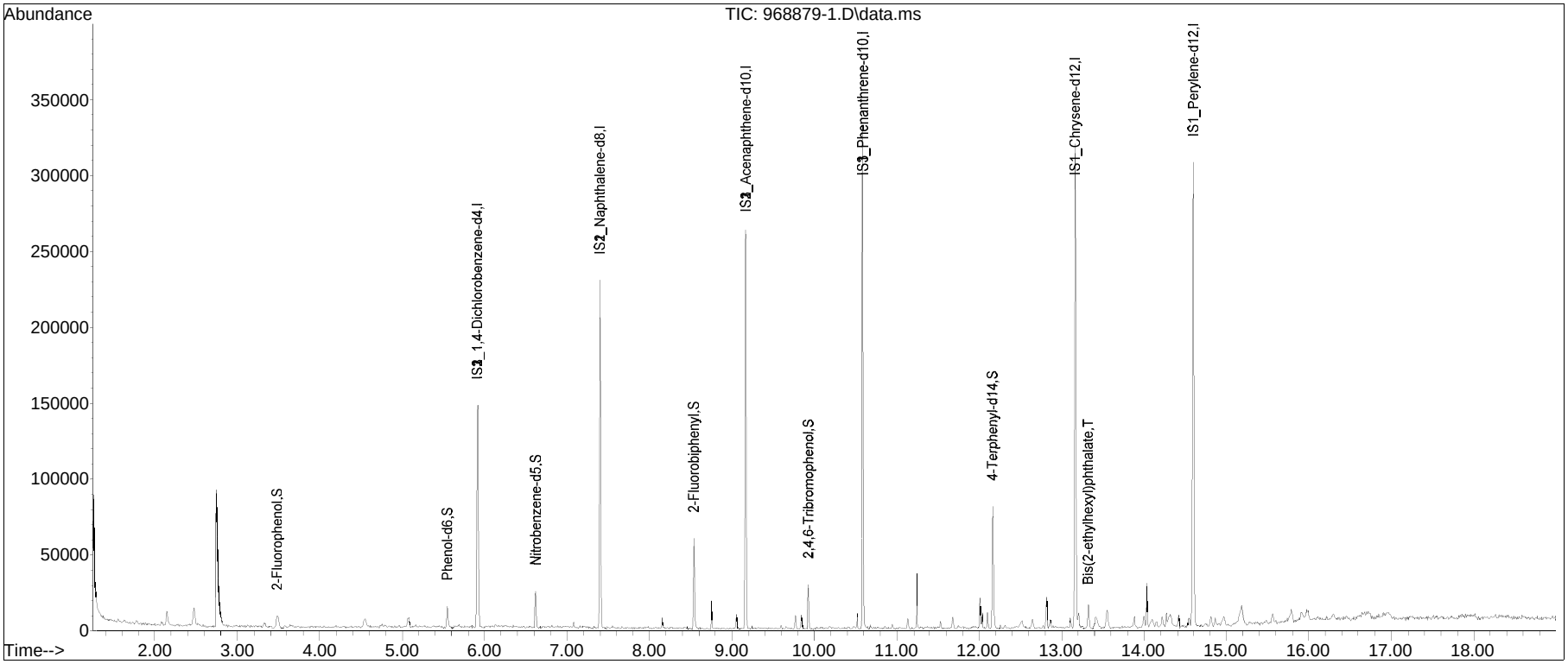
(#) = qualifier out of range (m) = manual integration (+) = signals summed

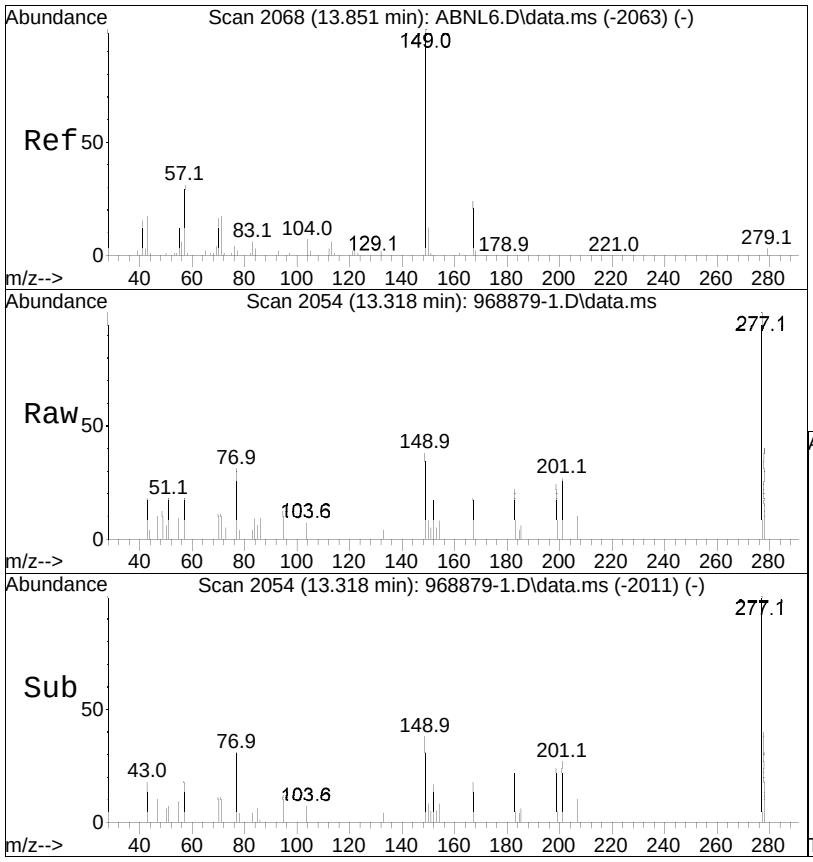
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 10 13:05:57 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90909n.D•

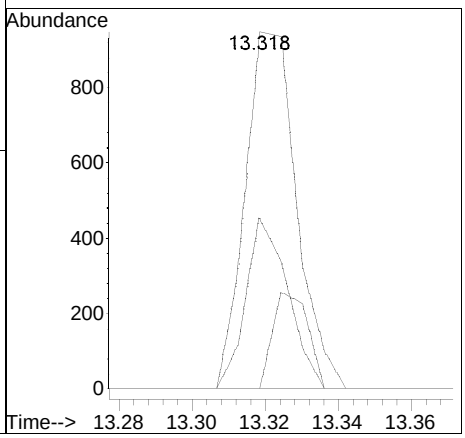




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.04 ug/ml
RT: 13.318 min Scan# 2054
Delta R.T. 0.000 min
Lab File: 968879-1.D
Acq: 10 Sep 2024 2:51 am

Tgt Ion:149 Resp: 921

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\240909NRVT\	QMethod	: FS240624SV106.m
Data File	: 968879-1.D	Operator	: SV106:smz
Date Inj'd	: 9/10/2024 2:51 am	Instrument	: SV 106
Sample	: WG1968879-1,32,,ASK	Quant Date	: 9/10/2024 3:10 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 968879-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.772	87	91	96	rBV5	2423	4122	1.24%	0.166%
2	2.149	152	155	162	rBV6	8933	12489	3.76%	0.502%
3	2.472	206	210	217	rVV4	11470	18023	5.43%	0.725%
4	2.519	217	218	227	rVB5	2281	3702	1.12%	0.149%
5	2.743	253	256	274	rBV	89944	165897	50.00%	6.672%
6	3.325	351	355	357	rBV4	2678	3720	1.12%	0.150%
7	3.484	373	382	388	rVB5	8126	17661	5.32%	0.710%
8	4.548	557	563	568	rBV4	5078	10615	3.20%	0.427%
9	5.060	647	650	651	rBV2	5165	4622	1.39%	0.186%
10	5.548	729	733	738	rBV	14478	15678	4.73%	0.631%
11	5.913	790	795	801	rVB	146214	159709	48.14%	6.423%
12	6.619	911	915	920	rVB	24356	23298	7.02%	0.937%
13	7.078	989	993	996	rBV4	3476	4332	1.31%	0.174%
14	7.395	1043	1047	1052	rBV	229302	192025	57.88%	7.723%
15	8.148	1172	1175	1178	rBV	6751	6042	1.82%	0.243%
16	8.536	1238	1241	1246	rBV	60168	50401	15.19%	2.027%
17	8.748	1274	1277	1281	rBV	18950	16380	4.94%	0.659%
18	9.054	1325	1329	1332	rBV2	9305	8465	2.55%	0.340%
19	9.160	1344	1347	1351	rBV	262762	239537	72.20%	9.634%
20	9.772	1446	1451	1454	rBV2	9156	9456	2.85%	0.380%
21	9.842	1459	1463	1468	rBV4	9373	9839	2.97%	0.396%
22	9.930	1475	1478	1482	rBV	29340	24952	7.52%	1.004%
23	10.525	1574	1579	1583	rVB2	9861	9760	2.94%	0.393%
24	10.589	1586	1590	1597	rVV	331515	280385	84.51%	11.277%
25	11.124	1678	1681	1687	rVB	7037	8064	2.43%	0.324%
26	11.242	1697	1701	1707	rVB2	35803	33772	10.18%	1.358%
27	11.530	1748	1750	1753	rVB2	4680	4202	1.27%	0.169%
28	11.677	1772	1775	1781	rVB3	7672	8708	2.62%	0.350%

LSC Area Percent Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

29	12.007	1829	1831	1834	rBV3	19578	19462	5.87%	0.783%
30	12.036	1834	1836	1839	rVV2	9571	8112	2.45%	0.326%
31	12.107	1842	1848	1851	rBV2	10414	10417	3.14%	0.419%
32	12.166	1854	1858	1864	rBV	80379	79179	23.87%	3.185%
33	12.518	1910	1918	1922	rBV7	4218	8483	2.56%	0.341%
34	12.648	1935	1940	1944	rBV4	6271	9155	2.76%	0.368%
35	12.818	1965	1969	1973	rBV3	20713	25915	7.81%	1.042%
36	12.860	1973	1976	1980	rVV4	5118	6199	1.87%	0.249%
37	13.107	2015	2018	2024	rBV4	6584	9017	2.72%	0.363%
38	13.166	2024	2028	2033	rVV	318705	311686	93.95%	12.536%
39	13.207	2033	2035	2040	rVB2	9480	9560	2.88%	0.384%
40	13.324	2050	2055	2061	rVB2	15574	16214	4.89%	0.652%
41	13.401	2064	2068	2069	rBV4	3247	4033	1.22%	0.162%
42	13.418	2069	2071	2078	rVB6	6282	12195	3.68%	0.490%
43	13.554	2087	2094	2101	rVB6	12140	22019	6.64%	0.886%
44	13.883	2146	2150	2157	rVB4	7712	12730	3.84%	0.512%
45	13.995	2165	2169	2172	rBV2	7357	8910	2.69%	0.358%
46	14.030	2172	2175	2180	rVB2	28704	29527	8.90%	1.188%
47	14.101	2180	2187	2192	rBV7	4916	11231	3.39%	0.452%
48	14.154	2192	2196	2200	rVB6	3510	4707	1.42%	0.189%
49	14.218	2200	2207	2210	rBV4	6624	9157	2.76%	0.368%
50	14.265	2212	2215	2219	rBV2	8977	12710	3.83%	0.511%
51	14.318	2219	2224	2231	rVB8	7283	16262	4.90%	0.654%
52	14.412	2236	2240	2244	rVB3	8513	12587	3.79%	0.506%
53	14.542	2257	2262	2266	rBV5	6319	9293	2.80%	0.374%
54	14.595	2266	2271	2278	rVB	305926	331767	100.00%	13.344%
55	14.754	2292	2298	2302	rBV7	1983	4231	1.28%	0.170%
56	14.812	2304	2308	2313	rVB5	6742	9807	2.96%	0.394%
57	14.865	2313	2317	2320	rBV5	5941	6747	2.03%	0.271%
58	14.965	2327	2334	2339	rBV8	5922	12424	3.74%	0.500%
59	15.183	2359	2371	2382	rVB8	13073	43136	13.00%	1.735%
60	15.289	2382	2389	2390	rBV4	2277	3475	1.05%	0.140%

LSC Area Percent Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

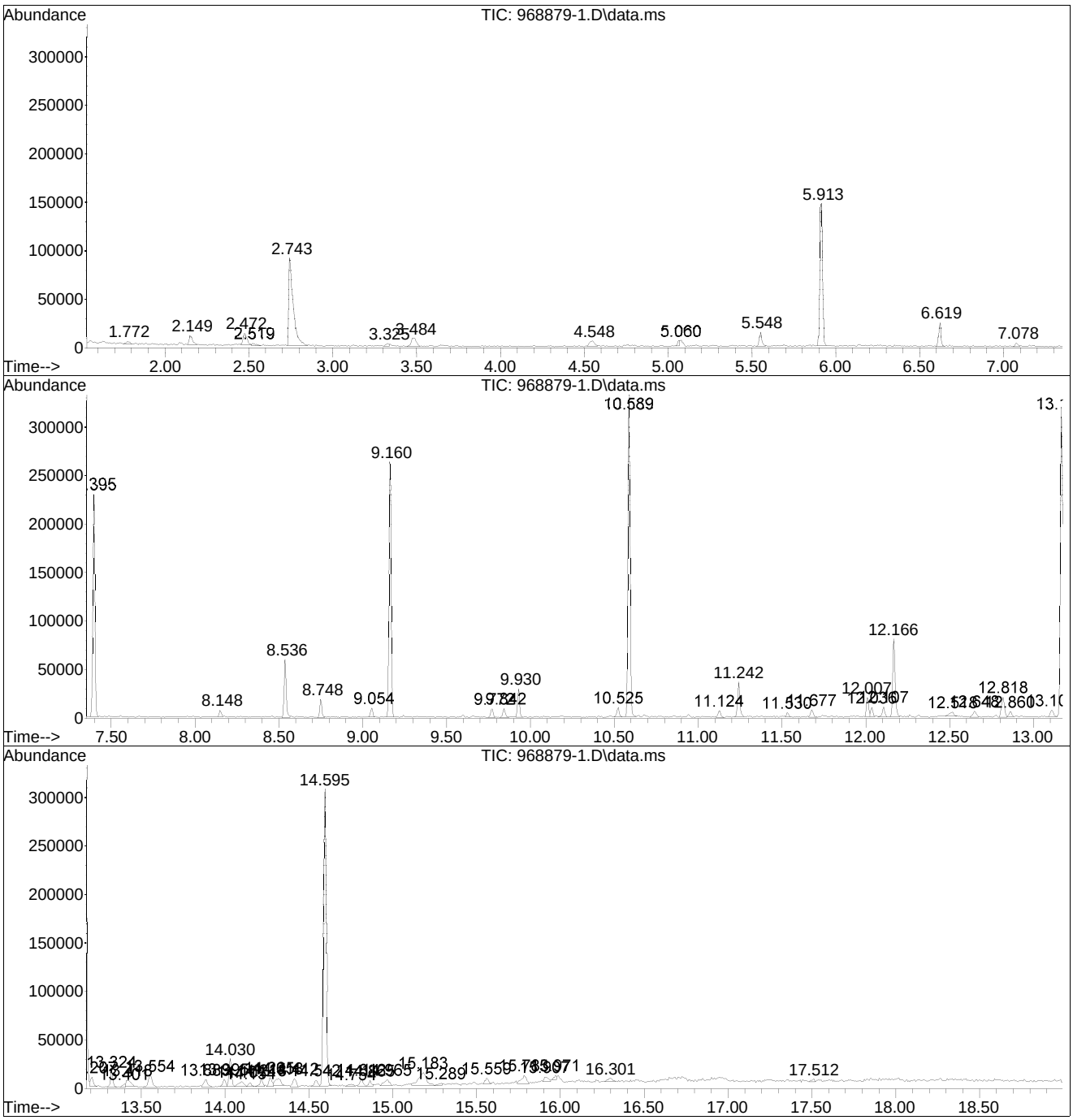
61	15.559	2432	2435	2440	rBV4	5903	8230	2.48%	0.331%
62	15.783	2466	2473	2478	rVB8	8666	17900	5.40%	0.720%
63	15.907	2492	2494	2500	rBV7	4669	8812	2.66%	0.354%
64	15.971	2501	2505	2506	rBV4	4416	4249	1.28%	0.171%
65	16.301	2555	2561	2566	rVB9	3438	7242	2.18%	0.291%
66	17.512	2762	2767	2768	rBV4	2820	3718	1.12%	0.150%

Sum of corrected areas: 2486354

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

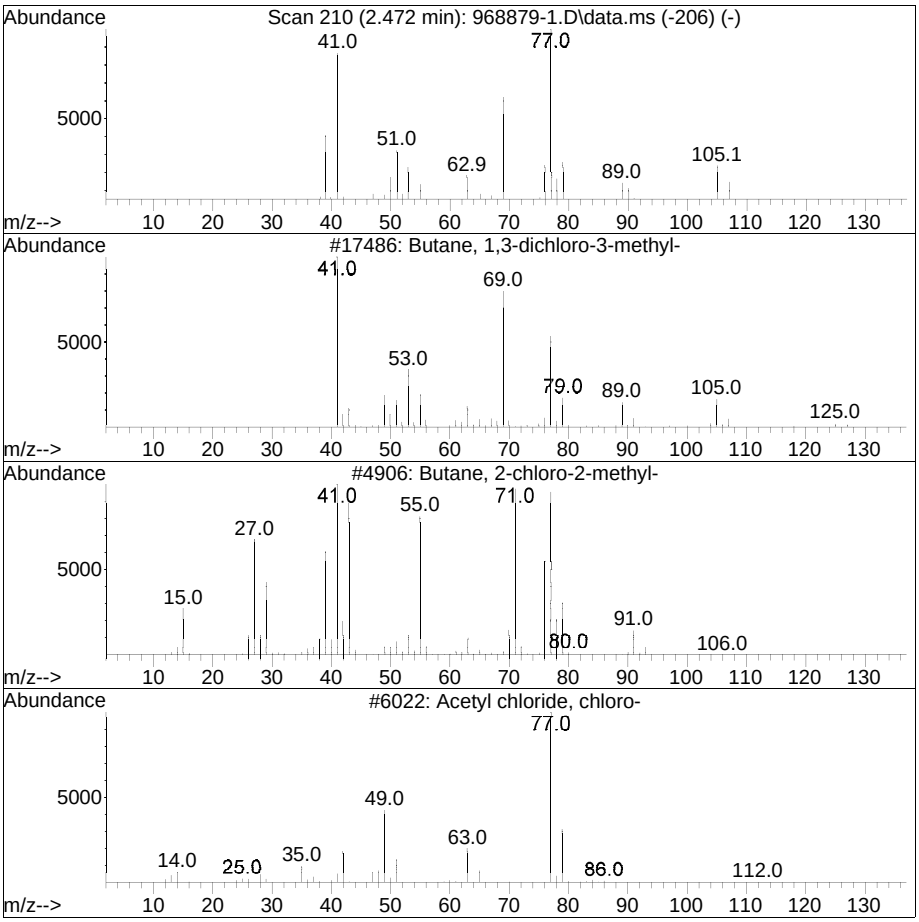
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

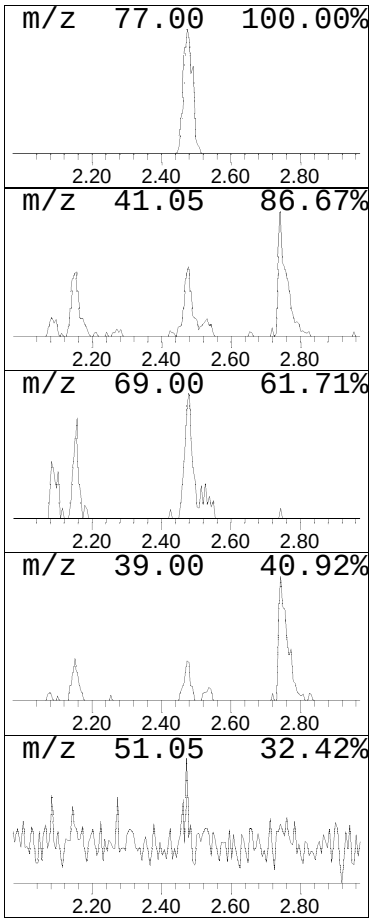
****

Peak Number 1 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.472	0.45 ug/ml	18023	IS2_1,4-Dichlorobenzene-d4	5.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,3-dichloro-3-methyl-	140	C5H10Cl2	000624-96-4	36
2	Butane, 2-chloro-2-methyl-	106	C5H11Cl	000594-36-5	25
3	Acetyl chloride, chloro-	112	C2H2Cl2O	000079-04-9	23
4	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	23
5	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	17





Library Search Compound Report

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

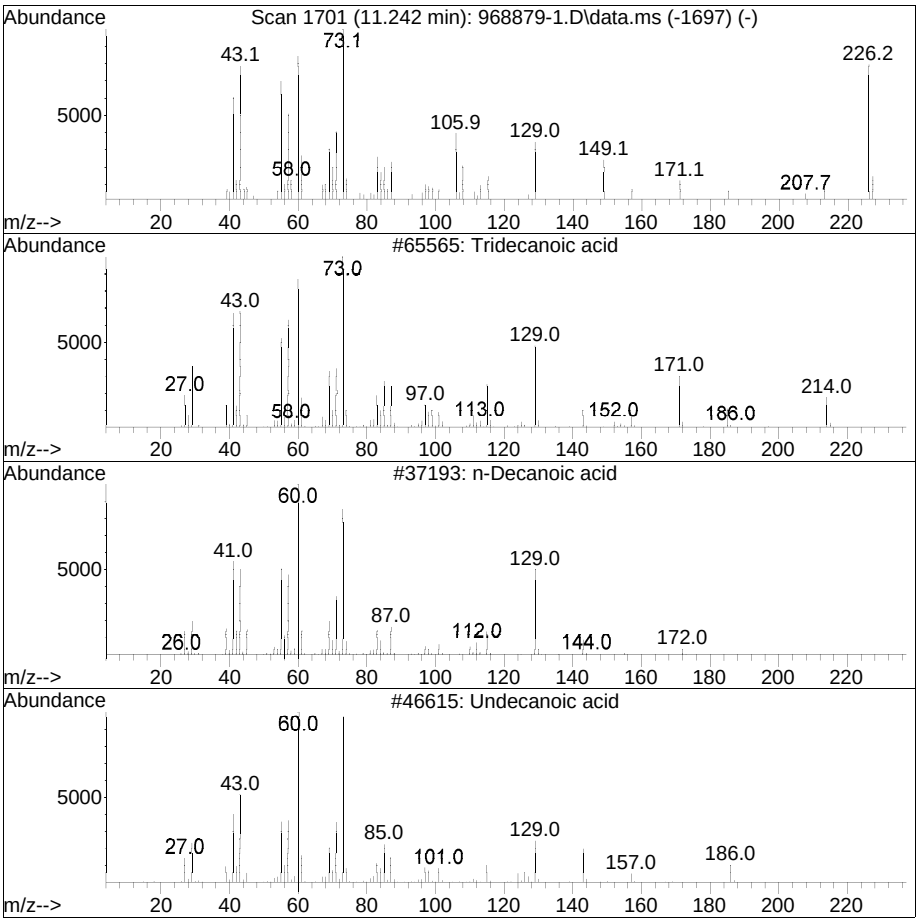
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

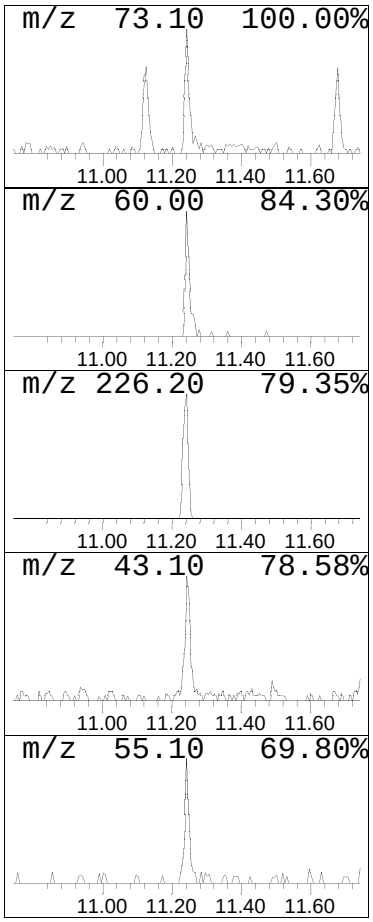
****

Peak Number 3 Unknown Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.242	0.48 ug/ml	33772	IS3_Phenanthrene-d10	10.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	43
2	n-Decanoic acid	172	C10H20O2	000334-48-5	38
3	Undecanoic acid	186	C11H22O2	000112-37-8	38
4	Methyl d-glycero-.beta.-d-gulo-h...	224	C8H16O7	1000130-15-2	27
5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	22





Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

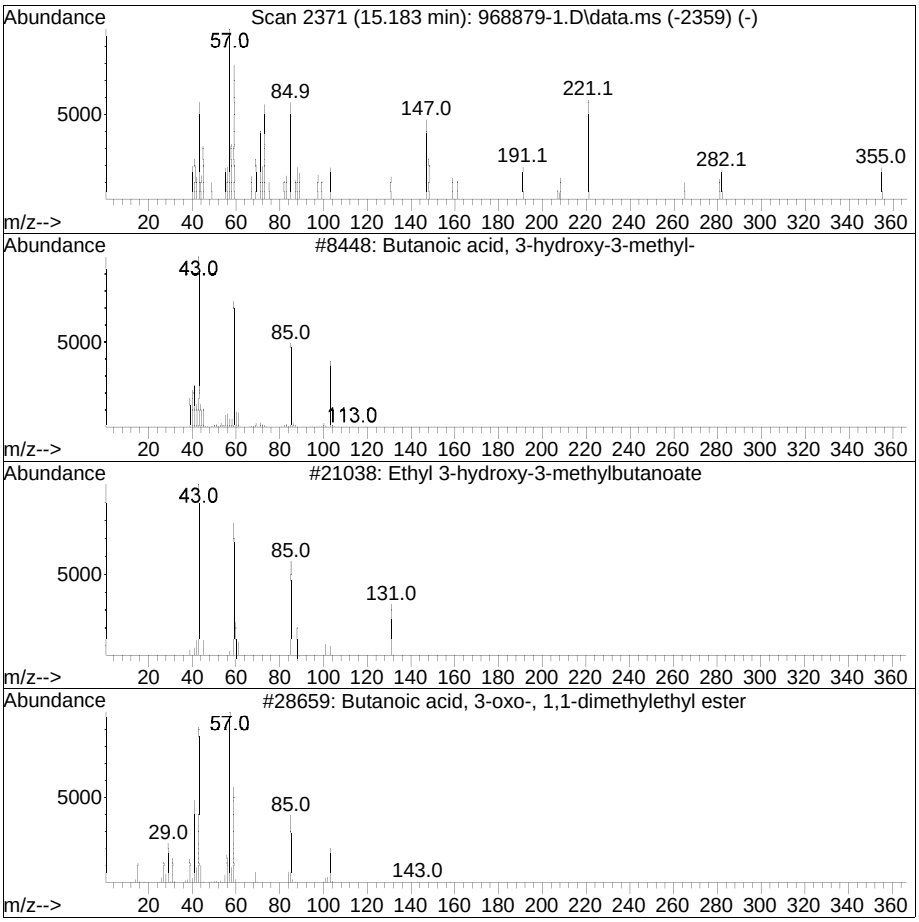
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

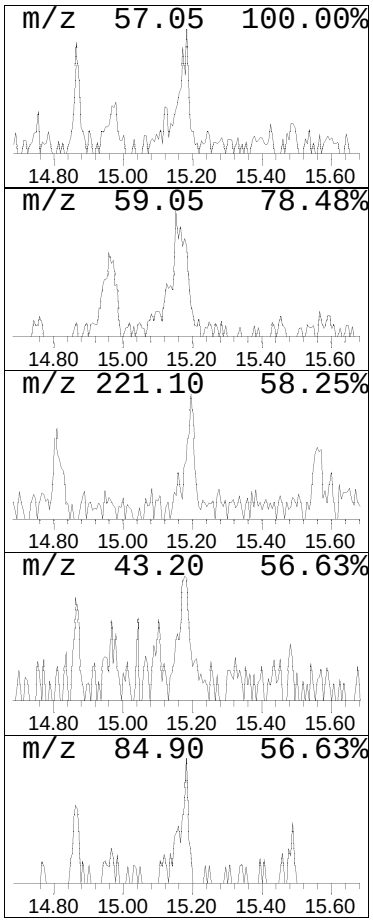
****

Peak Number 4 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.183	0.52 ug/ml	43136	IS1_Perylene-d12	14.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-hydroxy-3-methyl-	118	C5H10O3	000625-08-1	35
2	Ethyl 3-hydroxy-3-methylbutanoate	146	C7H14O3	018267-36-2	35
3	Butanoic acid, 3-oxo-, 1,1-dimet...	158	C8H14O3	001694-31-1	17
4	Hexane, 1-(ethoxymethoxy)-	160	C9H20O2	151705-35-0	10
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	10





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-1.D
Acq On : 10 Sep 2024 2:51 am
Operator : SV106:smz
Sample : WG1968879-1,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	2.472	0.5	ug/ml	18023	1	5.913	159709	4.0
Unknown	11.242	0.5	ug/ml	33772	11	10.589	280385	4.0
Unknown	15.183	0.5	ug/ml	43136	13	14.595	331767	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Acq On : 09 Sep 2024 04:01 pm
Operator : SV112:smz
Sample : WG1968975-2,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.652	152	29517	4.000	ug/ml	0.00
Standard Area 1 = 31987			Recovery = 92.28%			
27) IS2_1,4-Dichlorobenzen...	3.652	152	29517	4.000	ug/ml	-0.02
Standard Area 3 = 30314			Recovery = 97.37%			
32) IS3_1,4-Dichlorobenzen...	3.652	152	29517	4.000	ug/ml	0.00
Standard Area 2 = 23007			Recovery = 128.30%			
35) IS1_Naphthalene-d8	4.905	136	110801	4.000	ug/ml	0.00
Standard Area 1 = 122680			Recovery = 90.32%			
55) IS2_Naphthalene-d8	4.905	136	110801	4.000	ug/ml	-0.02
Standard Area 3 = 114336			Recovery = 96.91%			
63) IS1_Acenaphthene-d10	6.587	164	71244	4.000	ug/ml	0.00
Standard Area 1 = 82429			Recovery = 86.43%			
83) IS2_Acenaphthene-d10	6.587	164	71244	4.000	ug/ml	-0.02
Standard Area 3 = 74590			Recovery = 95.51%			
86) IS3_Acenaphthene-d10	6.587	164	71244	4.000	ug/ml	0.00
Standard Area 2 = 54174			Recovery = 131.51%			
88) IS1_Phenanthrene-d10	7.975	188	155697	4.000	ug/ml	0.00
Standard Area 1 = 192675			Recovery = 80.81%			
100) IS3_Phenanthrene-d10	7.975	188	155697	4.000	ug/ml	0.00
Standard Area 2 = 118445			Recovery = 131.45%			
104) IS1_Chrysene-d12	10.481	240	185914	4.000	ug/ml	# 0.00
Standard Area 1 = 210015			Recovery = 88.52%			
113) IS1_Perylene-d12	11.834	264	216043	4.000	ug/ml	0.00
Standard Area 1 = 248461			Recovery = 86.95%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.264	112	7244	0.935	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.75%			
7) Phenol-d6	3.387	99	6736	0.673	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.65%			
19) Nitrobenzene-d5	4.222	82	5798	0.607	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 60.70%			
46) 2-Fluorobiphenyl	5.987	172	15667	0.625	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.50%			
79) 2,4,6-Tribromophenol	7.340	330	6397	1.399	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.95%			

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Acq On : 09 Sep 2024 04:01 pm
Operator : SV112:smz
Sample : WG1968975-2,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.546	244	26837	0.670	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.00%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.440	128	11402	1.235	ug/ml	97
8) Phenol	3.399	94	7605	0.654	ug/ml	99
9) Bis(2-chloroethyl)ether	3.434	93	10384	1.206	ug/ml#	77
10) 1,3-Dichlorobenzene	3.587	146	12558	1.128	ug/ml	96
11) 1,4-Dichlorobenzene	3.664	146	12982	1.117	ug/ml	98
12) 1,2-Dichlorobenzene	3.816	146	12688	1.165	ug/ml	95
13) Benzyl alcohol	3.846	79	8743	1.254	ug/ml	97
14) Bis(2-chloroisopropyl)...	3.993	45	13747	1.263	ug/ml#	61
15) 2-Methylphenol	4.005	108	9329	1.197	ug/ml	97
16) Hexachloroethane	4.146	117	4875	1.185	ug/ml#	64
17) n-Nitrosodi-n-propylamine	4.122	70	7958	1.246	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.175	108	9804	1.155	ug/ml#	76
20) Nitrobenzene	4.240	77	12003	1.261	ug/ml	98
21) Isophorone	4.493	82	22049	1.283	ug/ml	98
22) 2-Nitrophenol	4.558	139	6318	1.491	ug/ml	91
23) 2,4-Dimethylphenol	4.681	107	9743	1.199	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.758	93	14688	1.270	ug/ml#	97
25) 2,4-Dichlorophenol	4.811	162	11185	1.315	ug/ml	96
26) 1,2,4-Trichlorobenzene	4.869	180	12331	1.145	ug/ml	96
29) Acetophenone	4.087	105	17036	1.213	ug/ml	97
36) Naphthalene	4.922	128	35602	1.226	ug/ml	98
37) Benzoic Acid	4.752	105	1325	1.633	ug/ml	88
38) 4-Chloroaniline	5.022	65	2983M3	0.914	ug/ml	
39) Hexachlorobutadiene	5.099	225	8507	1.250	ug/ml	96
40) p-Chloro-m-cresol	5.552	107	10751	1.402	ug/ml	94
41) 2-Methylnaphthalene	5.605	142	24631	1.247	ug/ml	97
43) Hexachlorocyclopentadiene	5.781	237	7565	1.089	ug/ml	99
44) 2,4,6-Trichlorophenol	5.910	196	9894	1.393	ug/ml	99
45) 2,4,5-Trichlorophenol	5.940	196	10985	1.511	ug/ml	98
47) 2-Chloronaphthalene	6.058	162	26435	1.258	ug/ml	99
48) 2-Nitroaniline	6.187	138	8431	1.519	ug/ml	90
51) Dimethyl phthalate	6.410	163	35622	1.394	ug/ml	100
52) Acenaphthylene	6.440	152	42442	1.368	ug/ml	99

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Acq On : 09 Sep 2024 04:01 pm
Operator : SV112:smz
Sample : WG1968975-2,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	6.440	165	7048	1.474 ug/ml#	82
61) 1,2,4,5-Tetrachloroben...	5.775	216	14820	1.117 ug/ml	98
62) Biphenyl	6.069	154	33352	1.173 ug/ml	99
64) 3-Nitroaniline	6.587	138	7424	1.395 ug/ml#	96
65) Acenaphthene	6.616	154	25126	1.266 ug/ml	95
66) 2,4-Dinitrophenol	6.687	184	3816	1.617 ug/ml#	79
67) Dibenzofuran	6.781	168	42272	1.292 ug/ml	93
68) 2,4-Dinitrotoluene	6.816	165	10130	1.484 ug/ml#	77
69) 4-Nitrophenol	6.816	65	4492	0.871 ug/ml	96
72) Diethyl phthalate	7.093	149	37057	1.400 ug/ml	96
73) Fluorene	7.104	166	33292	1.307 ug/ml	98
74) 4-Chlorophenyl phenyl ...	7.146	204	17689	1.274 ug/ml#	82
75) 4-Nitroaniline	7.157	138	7317	1.307 ug/ml	97
76) 4,6-Dinitro-o-cresol	7.193	198	6619	1.675 ug/ml#	75
77) NDPA/DPA	7.263	169	28527	1.301 ug/ml	95
80) 4-Bromophenyl phenyl e...	7.604	248	11789	1.325 ug/ml#	81
81) Hexachlorobenzene	7.628	284	14517	1.299 ug/ml#	85
82) Pentachlorophenol	7.834	266	8650	1.507 ug/ml	97
89) Phenanthrene	7.999	178	55345	1.344 ug/ml	98
90) Anthracene	8.046	178	57420	1.425 ug/ml	99
91) Carbazole	8.228	167	52768	1.430 ug/ml	99
92) Di-n-butylphthalate	8.663	149	65191	1.620 ug/ml	99
93) Fluoranthene	9.116	202	69506M3	1.454 ug/ml	
95) Pyrene	9.322	202	74678	1.474 ug/ml	99
97) Butyl benzyl phthalate	10.069	149	31450	1.766 ug/ml	91
105) Benzo(a)anthracene	10.475	228	79482	1.331 ug/ml	99
106) 3,3'-Dichlorobenzidine	10.504	252	26871	1.236 ug/ml	99
107) Chrysene	10.504	228	71502M3	1.222 ug/ml	
108) Bis(2-ethylhexyl)phtha...	10.681	149	46424	1.564 ug/ml	99
109) Di-n-octylphthalate	11.316	149	79752	1.753 ug/ml#	94
110) Benzo(b)fluoranthene	11.493	252	81452	1.330 ug/ml#	97
111) Benzo(k)fluoranthene	11.516	252	76617M3	1.371 ug/ml	
112) Benzo(a)pyrene	11.781	252	74980M3	1.404 ug/ml	
114) Indeno(1,2,3-cd)pyrene	12.745	276	77913	1.290 ug/mL#	91
115) Dibenzo(a,h)anthracene	12.775	278	75613M6	1.311 ug/ml	
116) Benzo(ghi)perylene	12.945	276	75822	1.303 ug/ml#	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Acq On : 09 Sep 2024 04:01 pm
Operator : SV112:smz
Sample : WG1968975-2,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

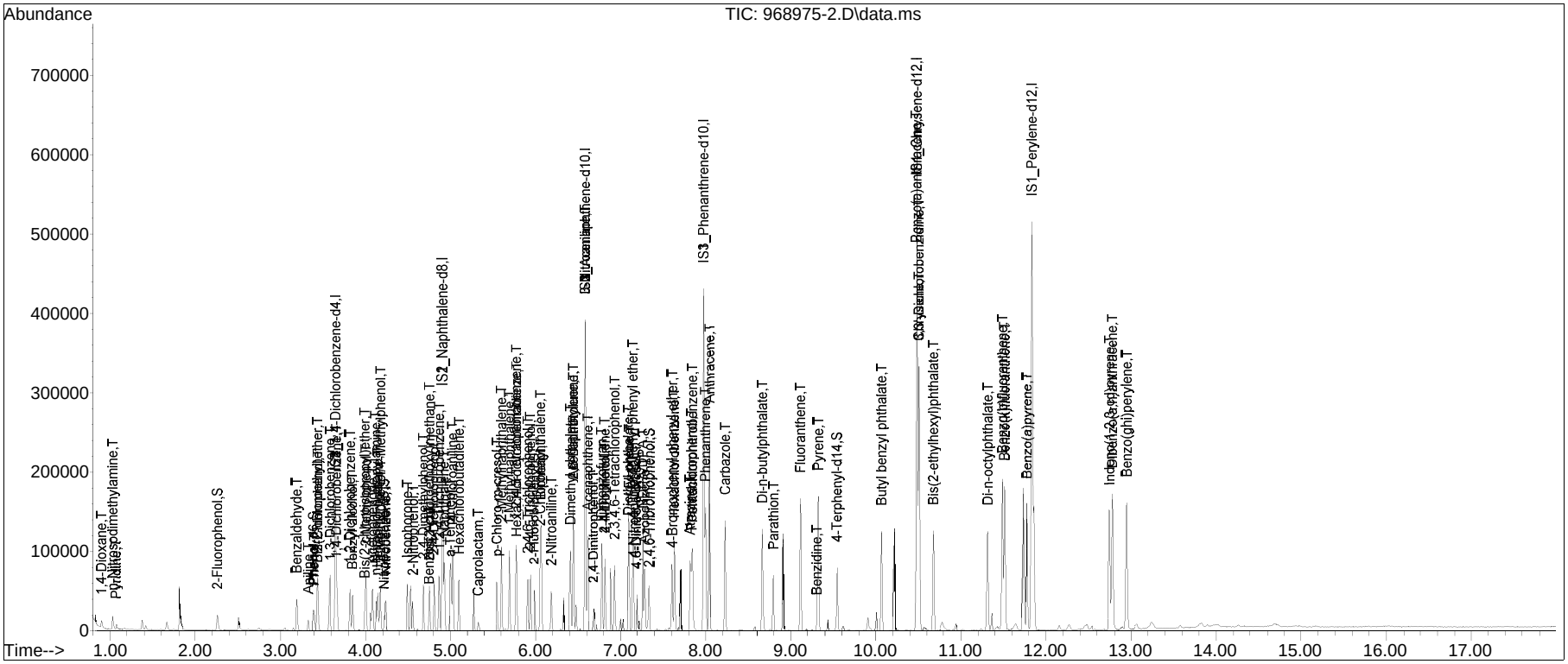
(#) = qualifier out of range (m) = manual integration (+) = signals summed

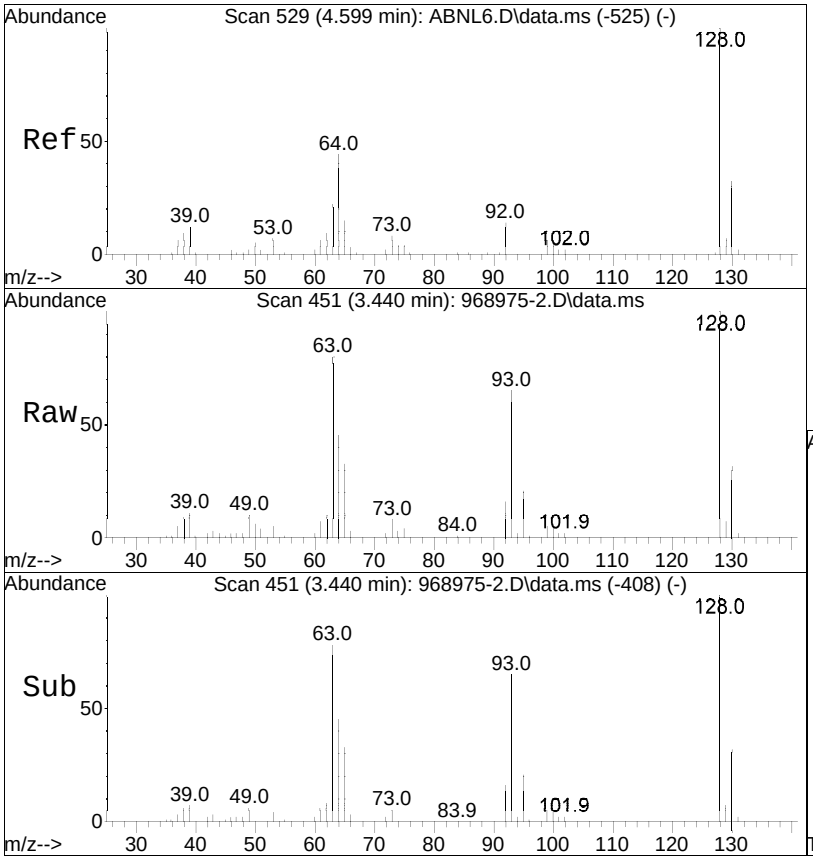
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Acq On : 09 Sep 2024 04:01 pm
Operator : SV112:smz
Sample : WG1968975-2,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 10 09:52:10 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90909.D•

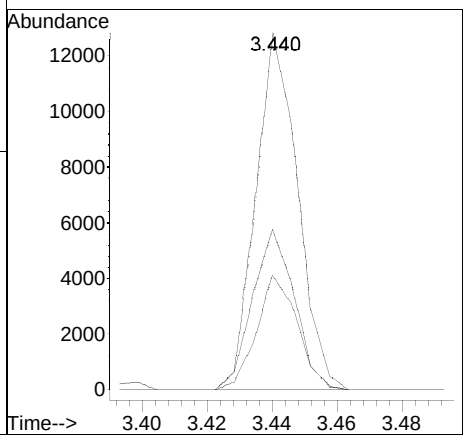


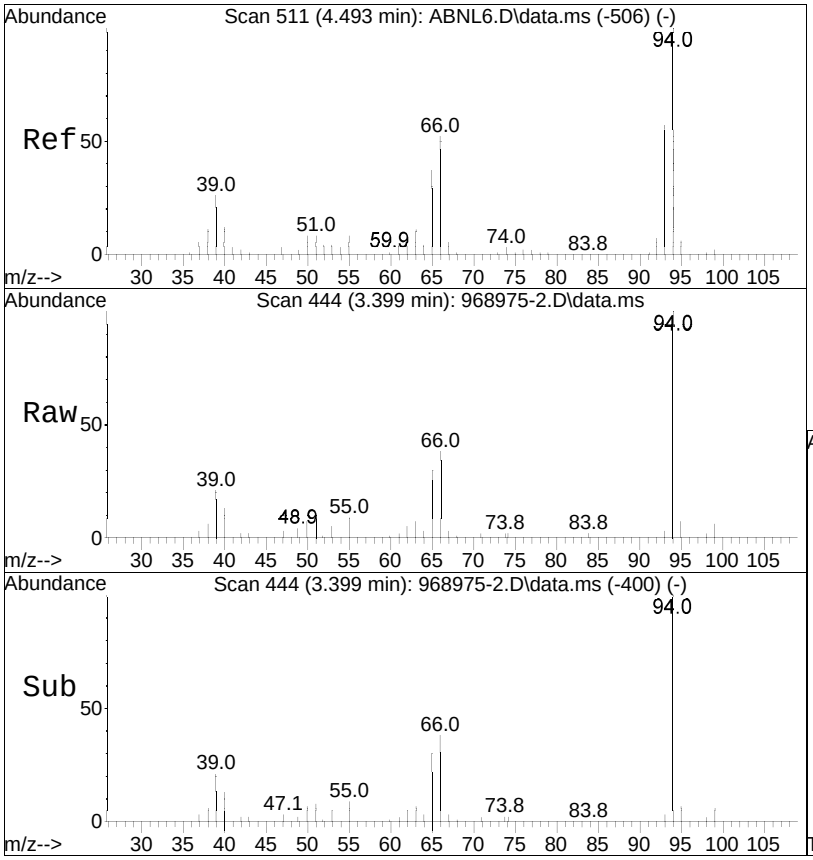


#6
2-Chlorophenol
Concen: 1.24 ug/ml
RT: 3.440 min Scan# 451
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:128 Resp: 11402

Ion	Ratio	Lower	Upper
128	100		
64	45.2	38.2	57.4
130	31.6	26.2	39.2

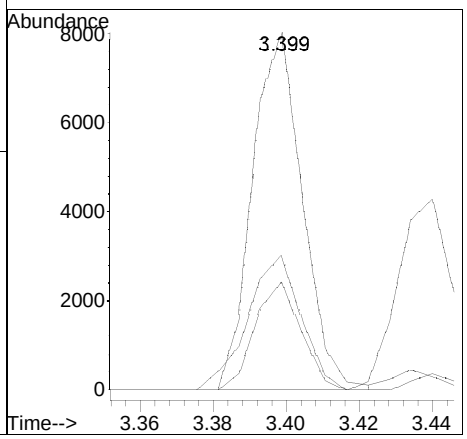


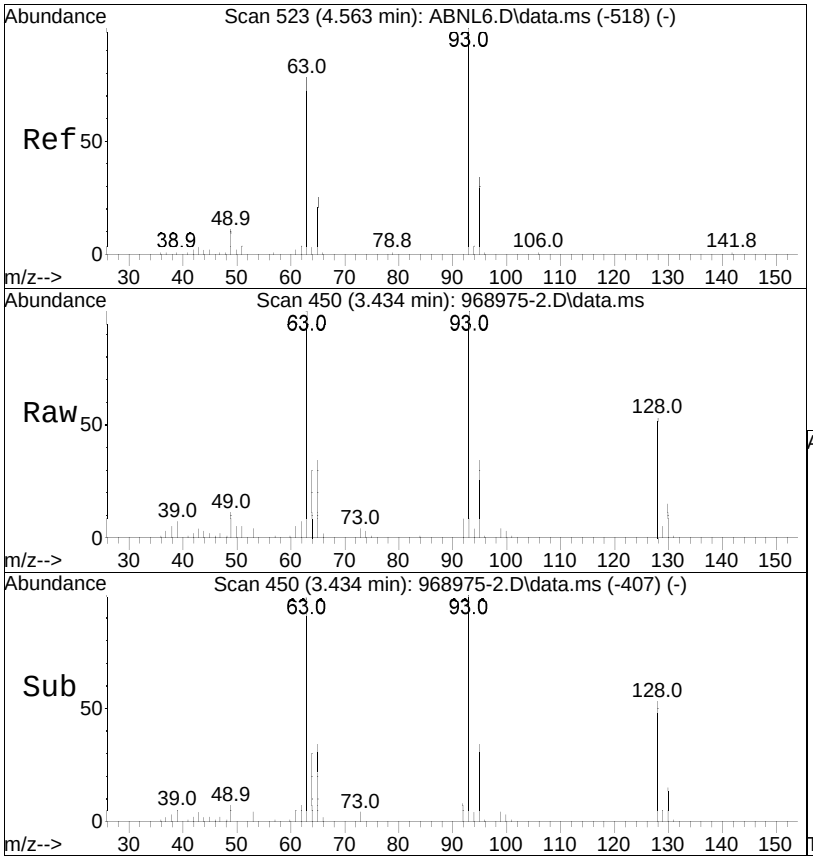


#8
Phenol
Concen: 0.65 ug/ml
RT: 3.399 min Scan# 444
Delta R.T. 0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 94 Resp: 7605

Ion	Ratio	Lower	Upper
94	100		
65	27.9	23.0	34.6
66	40.3	32.1	48.1

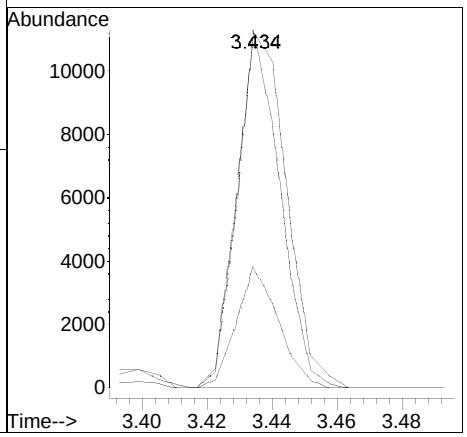


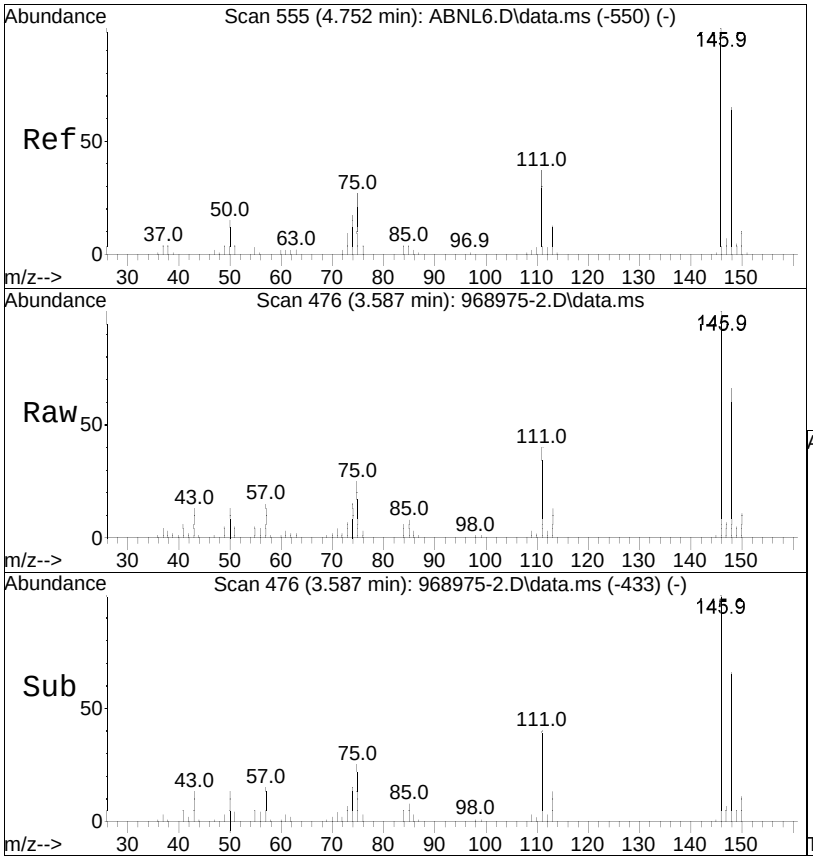


#9
Bis(2-chloroethyl)ether
Concen: 1.21 ug/ml
RT: 3.434 min Scan# 450
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 93 Resp: 10384

Ion	Ratio	Lower	Upper
93	100		
63	112.8	67.0	100.4#
95	33.2	26.1	39.1

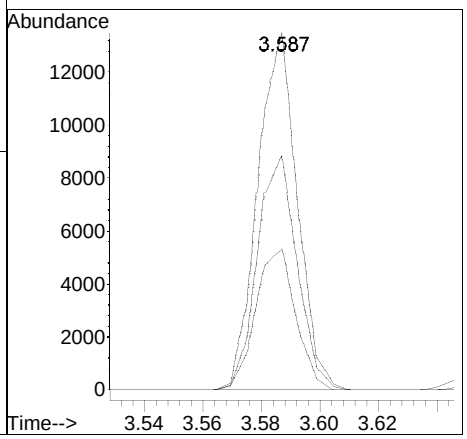


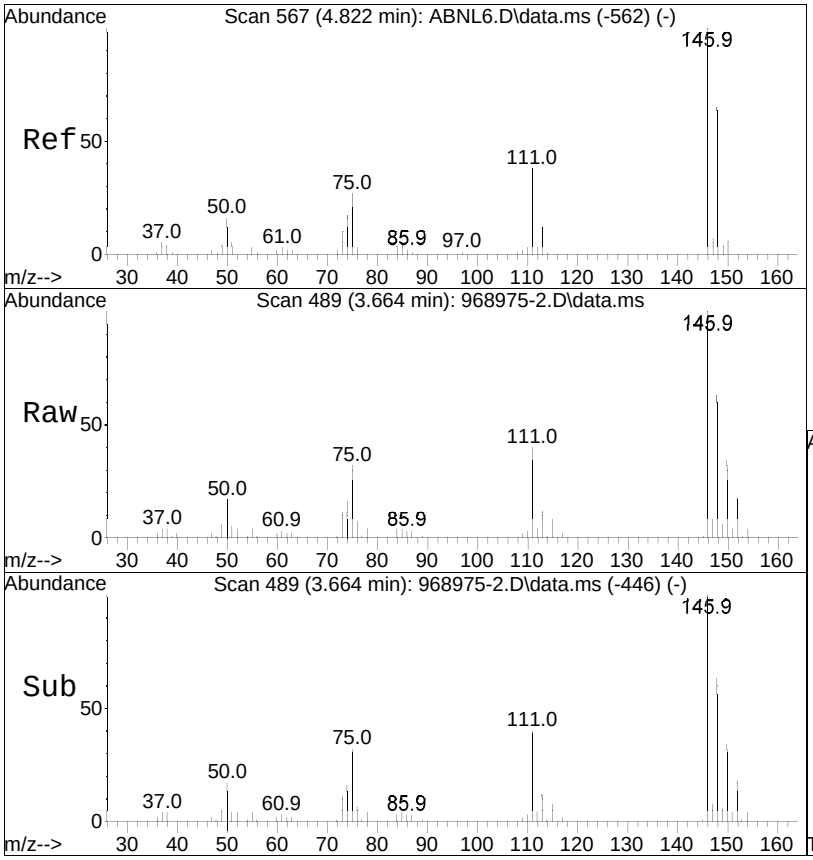


#10
1,3-Dichlorobenzene
Concen: 1.13 ug/ml
RT: 3.587 min Scan# 476
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:146 Resp: 12558

Ion	Ratio	Lower	Upper
146	100		
111	40.1	35.0	52.4
148	66.1	51.3	76.9

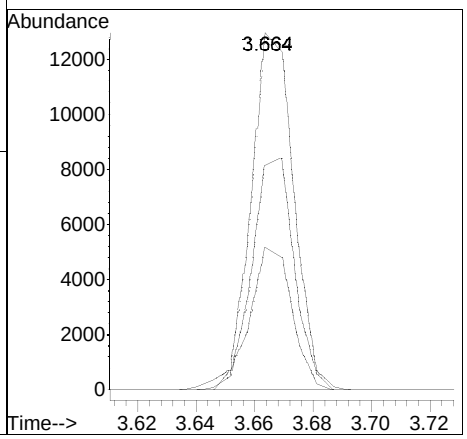


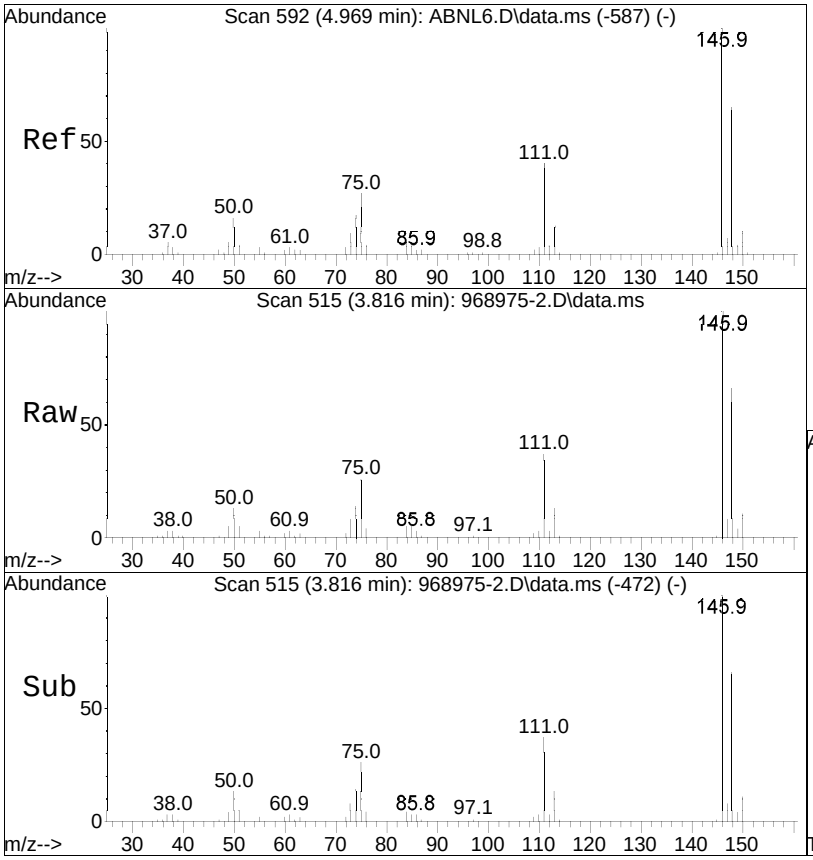


#11
1,4-Dichlorobenzene
Concen: 1.12 ug/ml
RT: 3.664 min Scan# 489
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:146 Resp: 12982

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	41.2	34.4	51.6

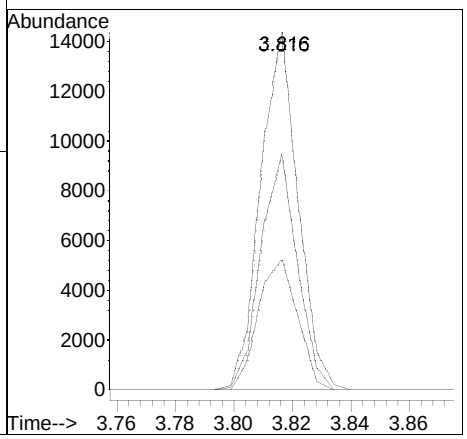


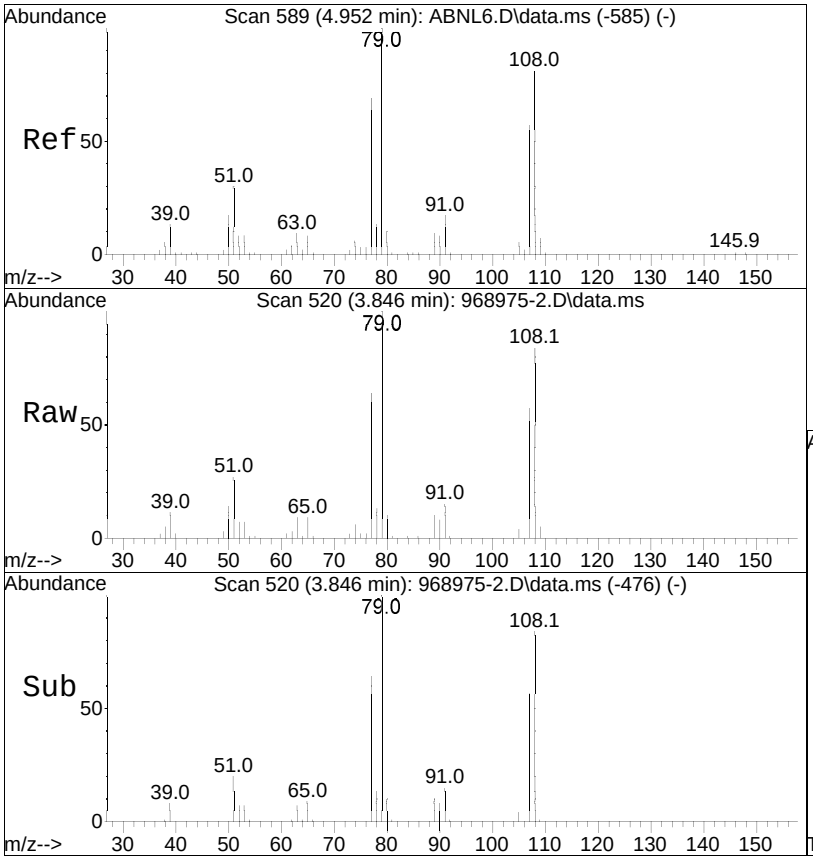


#12
1,2-Dichlorobenzene
Concen: 1.17 ug/ml
RT: 3.816 min Scan# 515
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:146 Resp: 12688

Ion	Ratio	Lower	Upper
146	100		
111	38.4	35.5	53.3
148	64.6	50.6	76.0

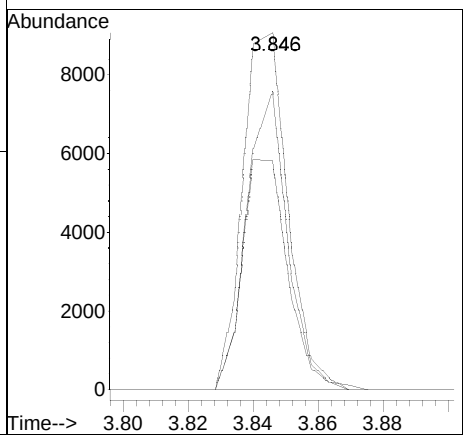


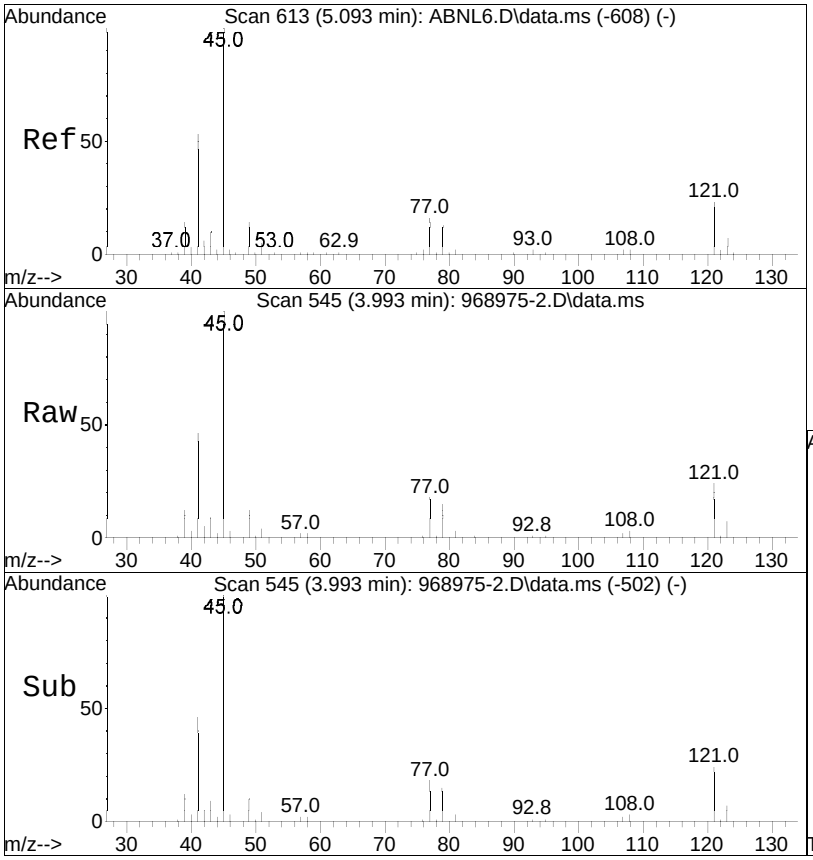


#13
Benzyl alcohol
Concen: 1.25 ug/ml
RT: 3.846 min Scan# 520
Delta R.T. 0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 79 Resp: 8743

Ion	Ratio	Lower	Upper
79	100		
77	64.9	51.8	77.6
108	76.1	63.9	95.9

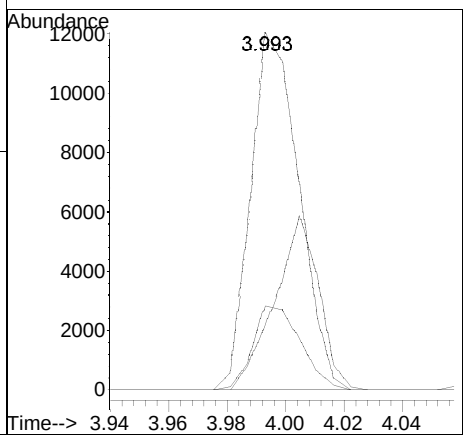


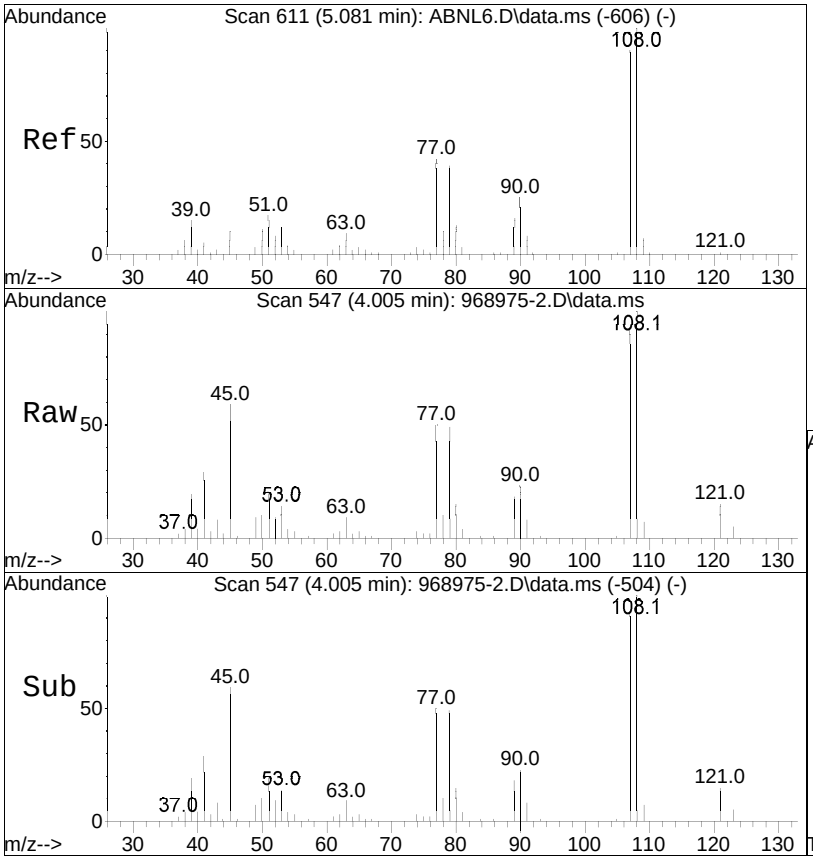


#14
Bis(2-chloroisopropyl)ether
Concen: 1.26 ug/ml
RT: 3.993 min Scan# 545
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 45 Resp: 13747

Ion	Ratio	Lower	Upper
45	100		
121	23.3	14.8	22.2#
77	44.5	10.5	15.7#

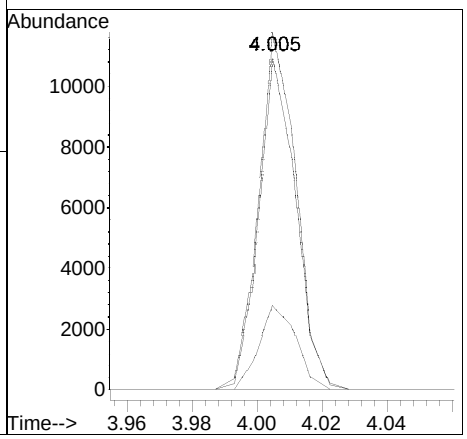


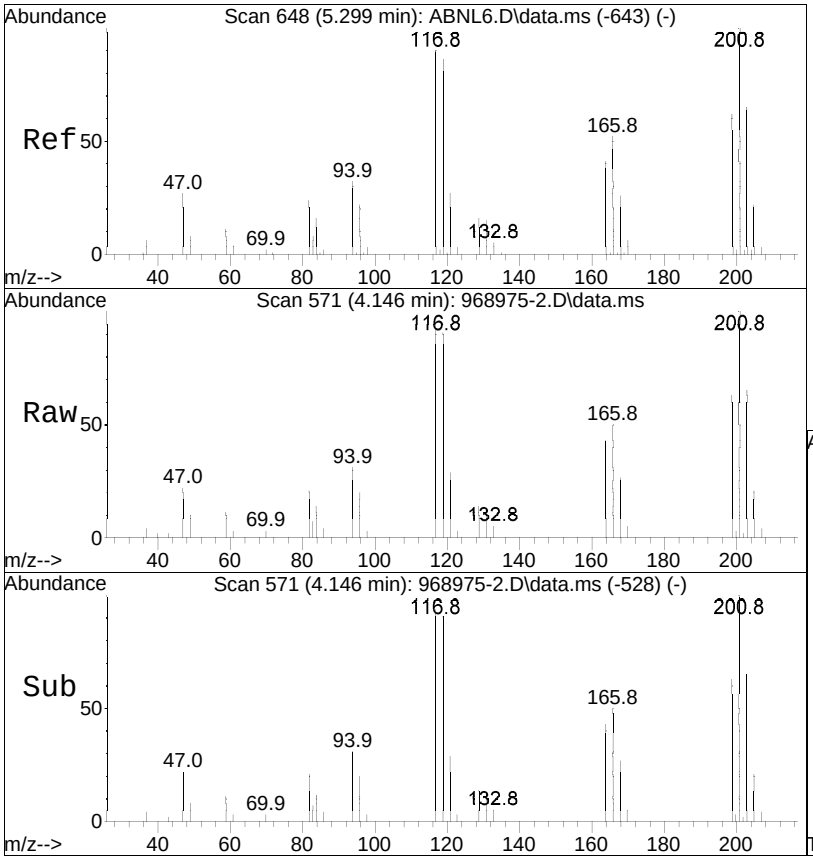


#15
2-Methylphenol
Concen: 1.20 ug/ml
RT: 4.005 min Scan# 547
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:108 Resp: 9329

Ion	Ratio	Lower	Upper
108	100		
107	91.4	71.0	106.4
90	23.7	19.7	29.5

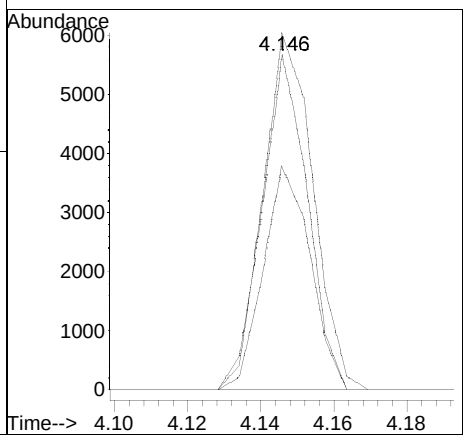


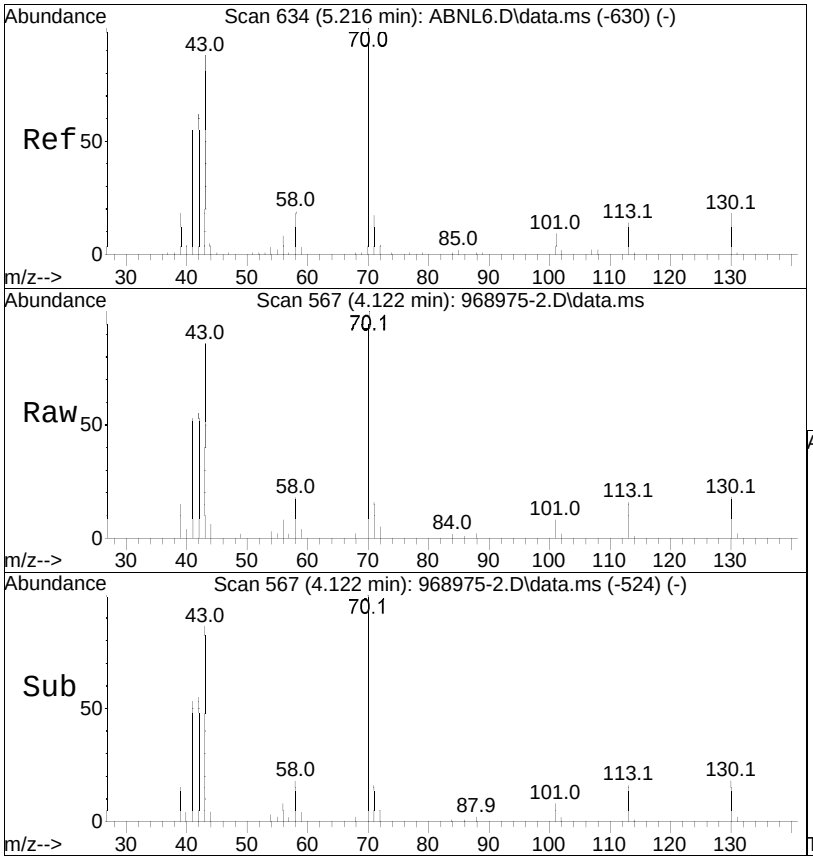


#16
Hexachloroethane
Concen: 1.18 ug/ml
RT: 4.146 min Scan# 571
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:117 Resp: 4875

Ion	Ratio	Lower	Upper
117	100		
201	117.3	64.4	96.6#
199	69.1	40.5	60.7#

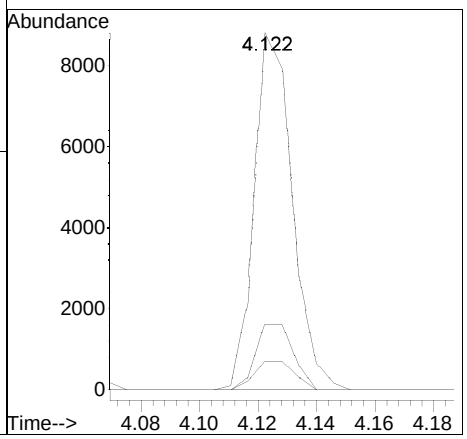


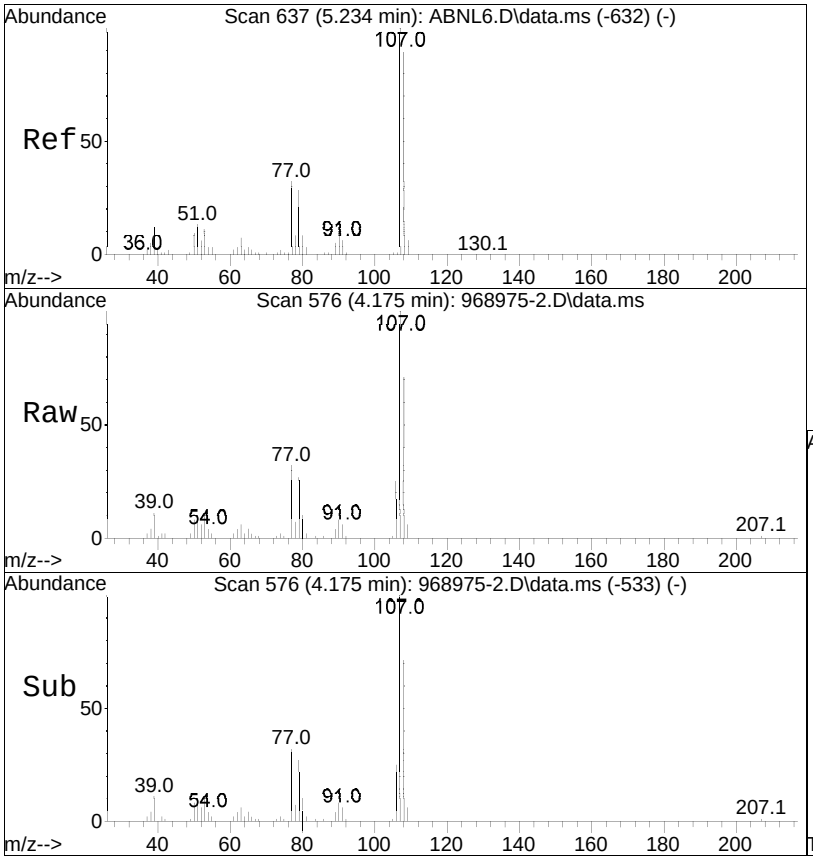


#17
n-Nitrosodi-n-propylamine
Concen: 1.25 ug/ml
RT: 4.122 min Scan# 567
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 70 Resp: 7958

Ion	Ratio	Lower	Upper
70	100		
130	18.3	16.2	24.4
101	8.5	7.6	11.4

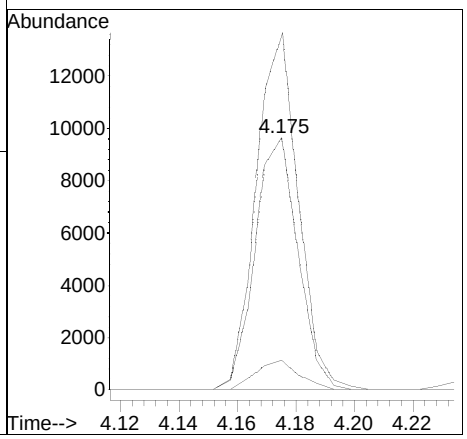


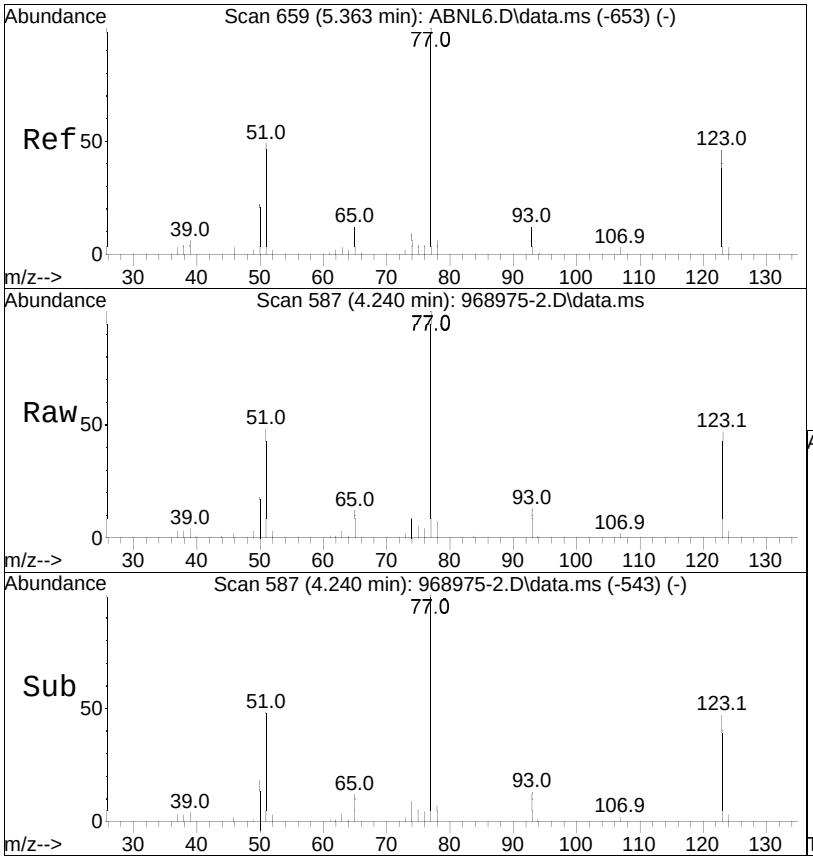


#18
3-Methylphenol/4-Methylphenol
Concen: 1.15 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:108 Resp: 9804

Ion	Ratio	Lower	Upper
108	100		
107	138.6	88.8	133.2#
90	11.6	9.0	13.6

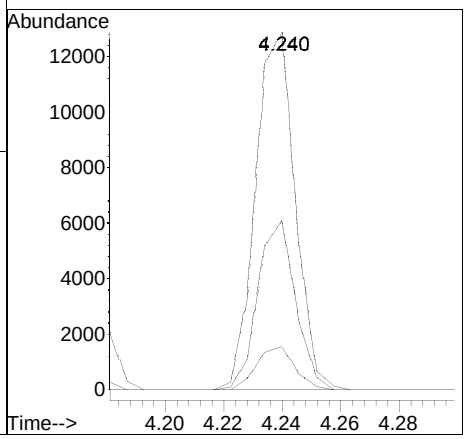


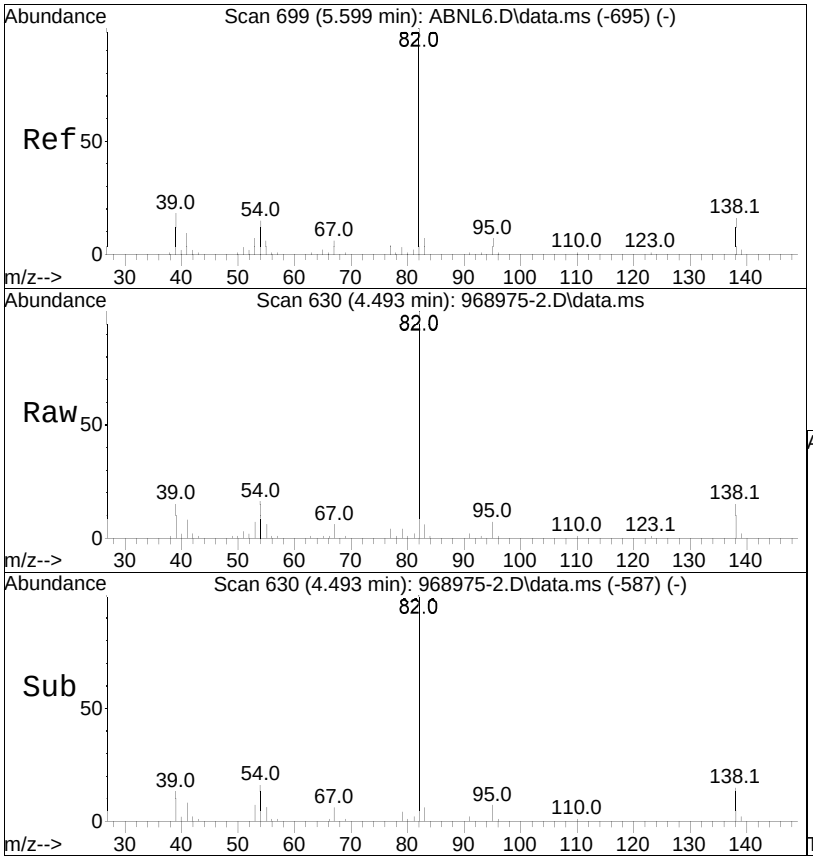


#20
Nitrobenzene
Concen: 1.26 ug/ml
RT: 4.240 min Scan# 587
Delta R.T. 0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 77 Resp: 12003

Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.3	55.9
65	11.9	10.9	16.3

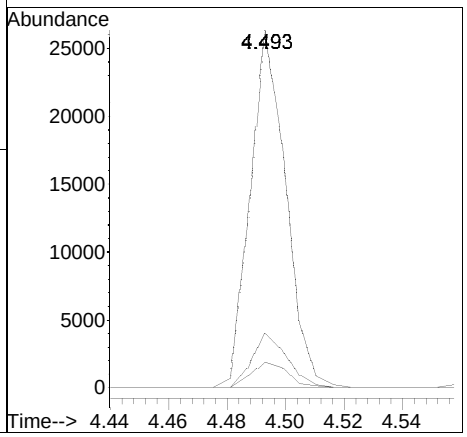


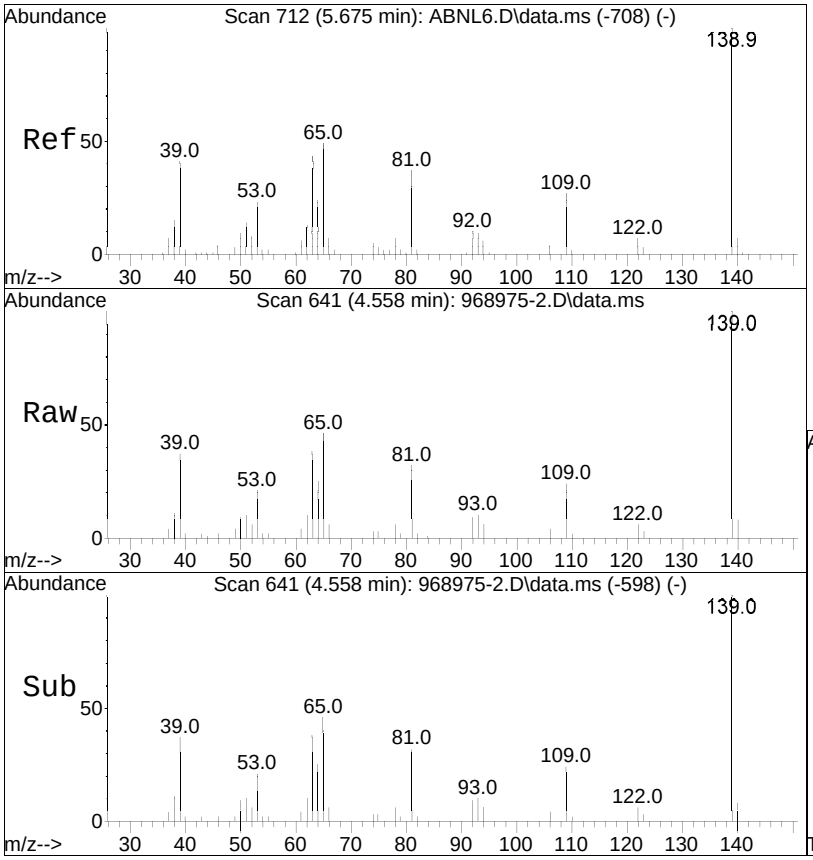


#21
Isophorone
Concen: 1.28 ug/ml
RT: 4.493 min Scan# 630
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 82 Resp: 22049

Ion	Ratio	Lower	Upper
82	100		
138	15.1	13.0	19.4
95	7.3	5.5	8.3

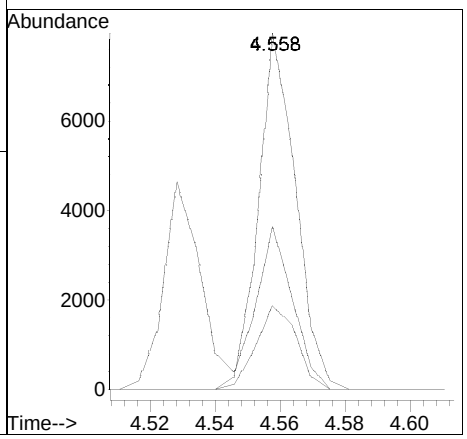


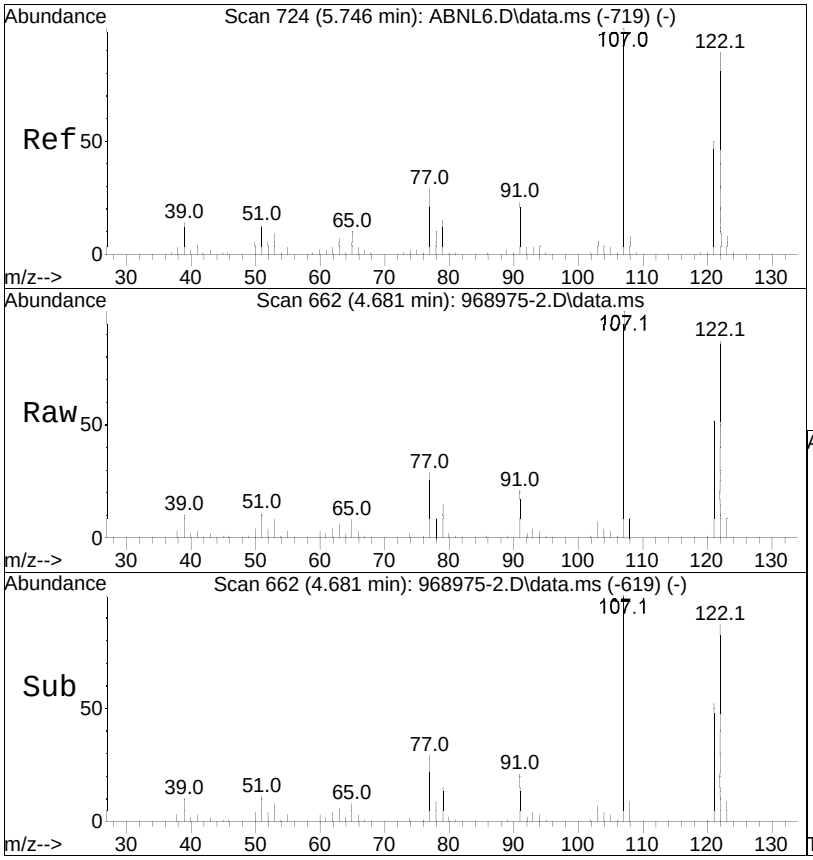


#22
2-Nitrophenol
Concen: 1.49 ug/ml
RT: 4.558 min Scan# 641
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:139 Resp: 6318

Ion	Ratio	Lower	Upper
139	100		
109	25.6	23.1	34.7
65	59.1	41.4	62.2

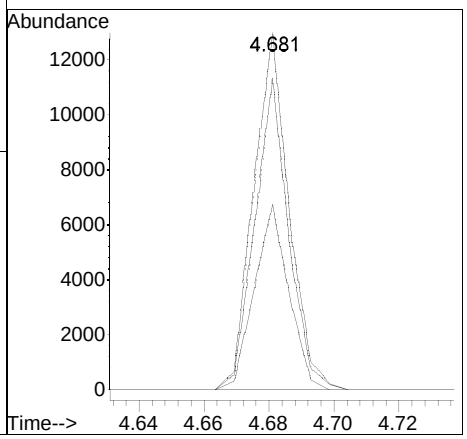


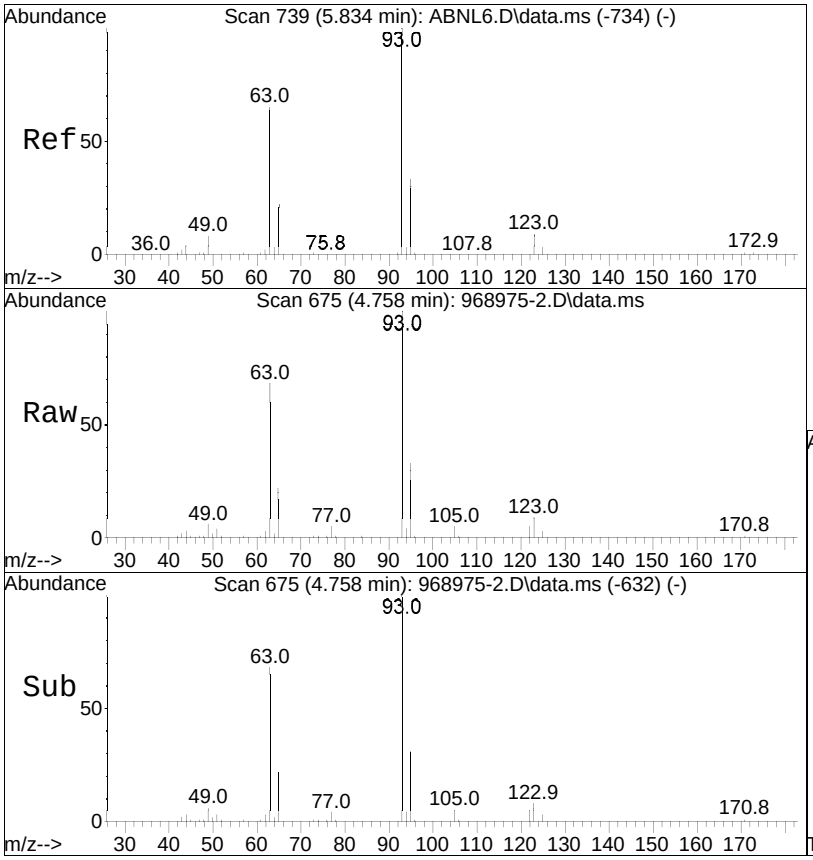


#23
2,4-Dimethylphenol
Concen: 1.20 ug/ml
RT: 4.681 min Scan# 662
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:107 Resp: 9743

Ion	Ratio	Lower	Upper
107	100		
121	50.6	41.3	61.9
122	83.3	69.3	103.9

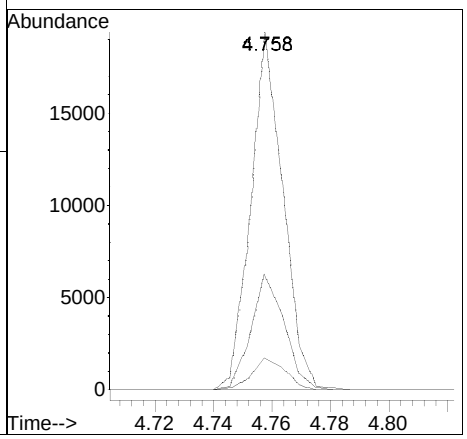


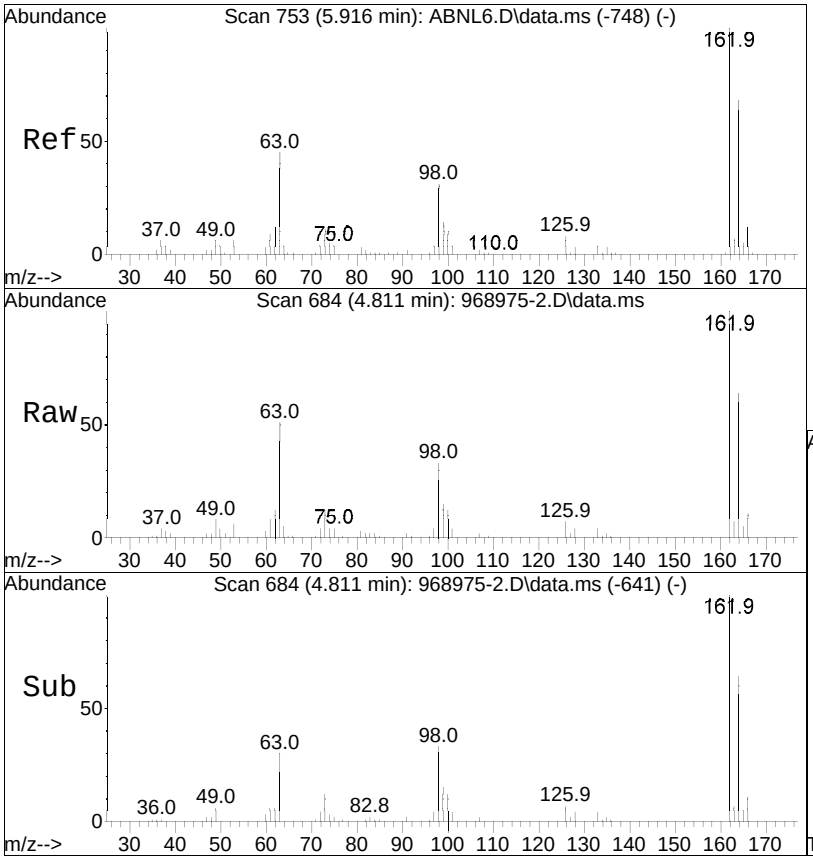


#24
Bis(2-chloroethoxy)methane
Concen: 1.27 ug/ml
RT: 4.758 min Scan# 675
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 93 Resp: 14688

Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.8	38.8
123	9.4	9.6	14.4#

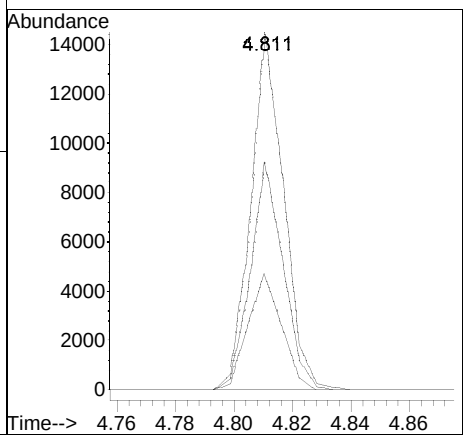


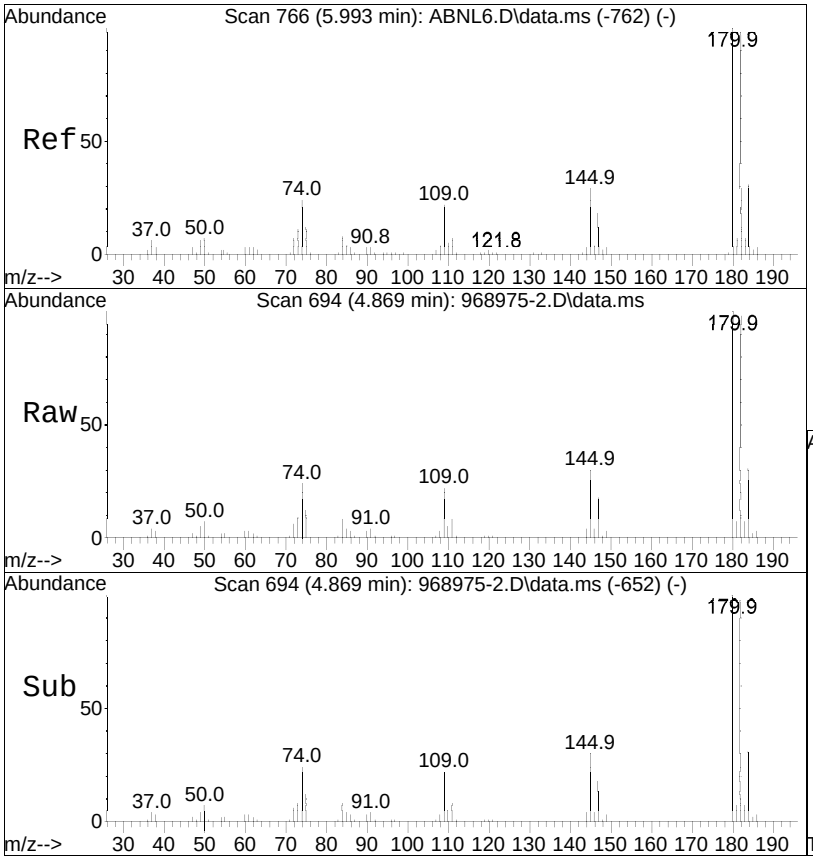


#25
2,4-Dichlorophenol
Concen: 1.31 ug/ml
RT: 4.811 min Scan# 684
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:162 Resp: 11185

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.1	76.7
98	33.3	32.2	48.2

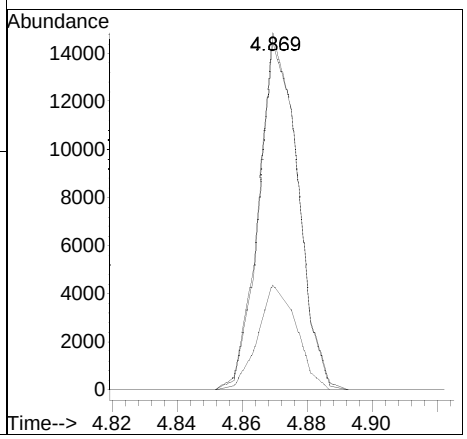


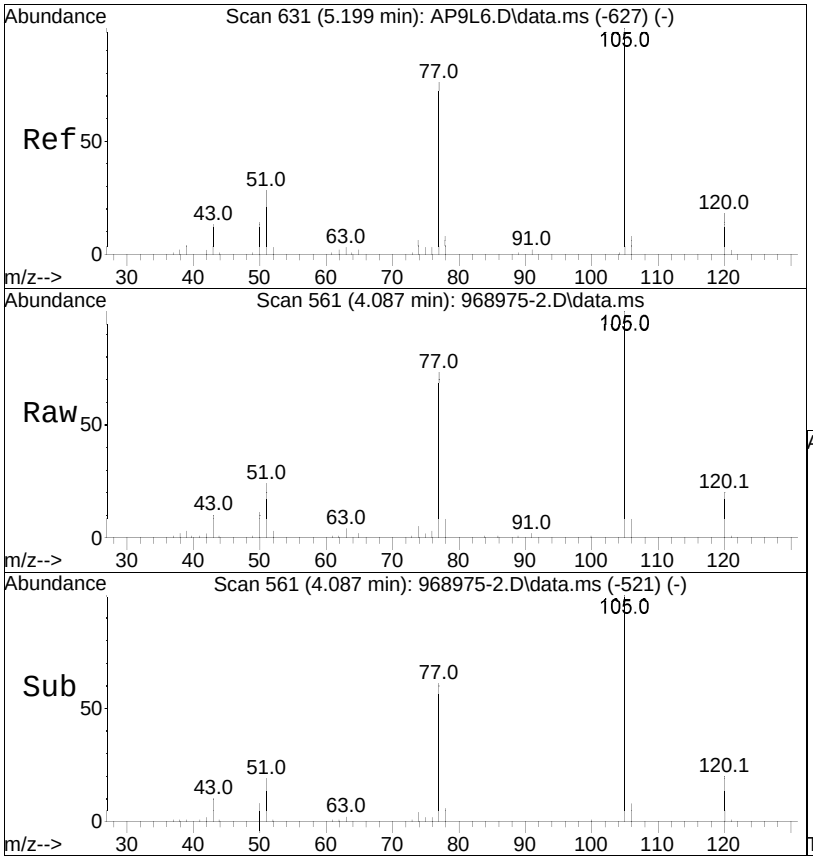


#26
1,2,4-Trichlorobenzene
Concen: 1.14 ug/ml
RT: 4.869 min Scan# 694
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:180 Resp: 12331

Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.8	113.8
145	29.2	26.3	39.5

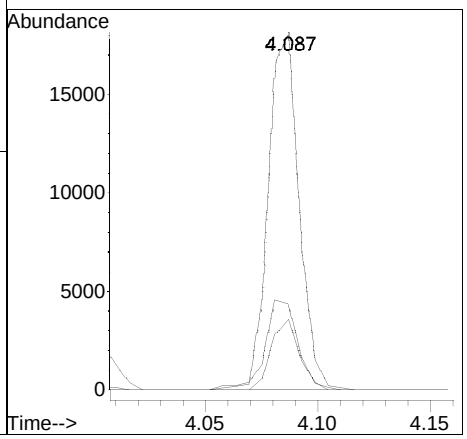


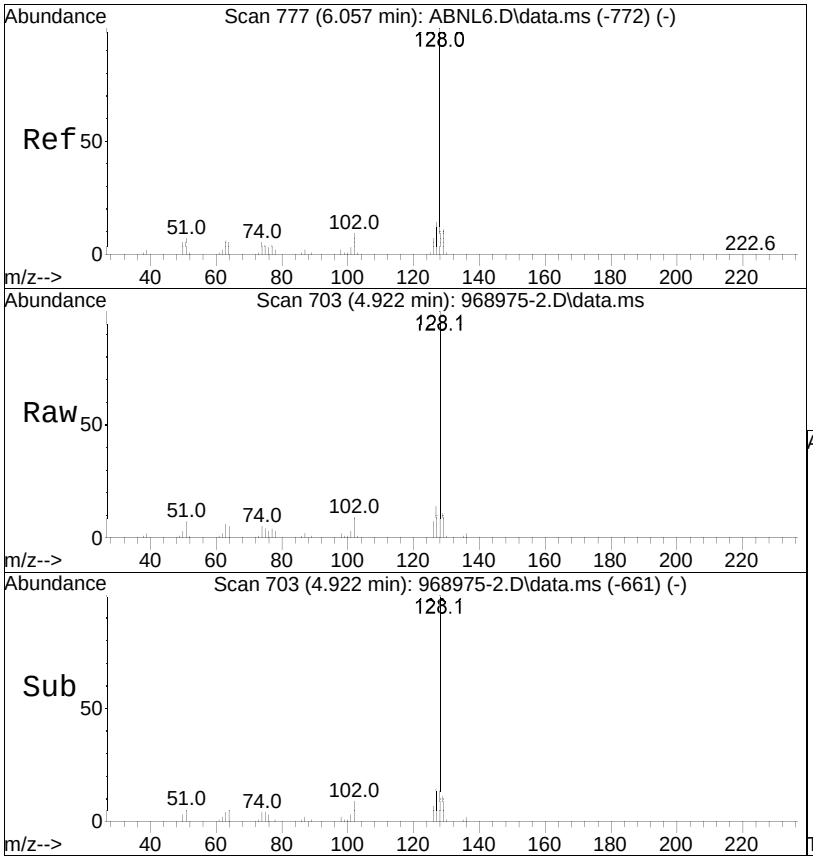


#29
Acetophenone
Concen: 1.21 ug/ml
RT: 4.087 min Scan# 561
Delta R.T. -0.018 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:105 Resp: 17036

Ion	Ratio	Lower	Upper
105	100		
120	18.1	15.2	22.8
51	27.1	23.1	34.7

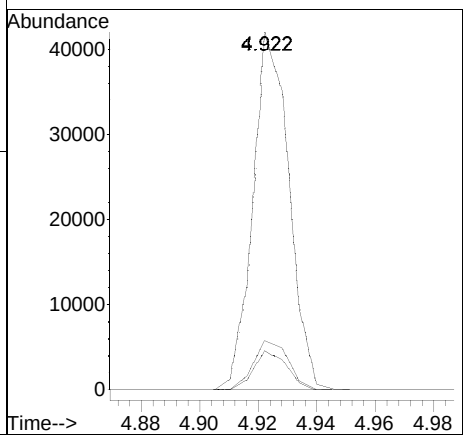


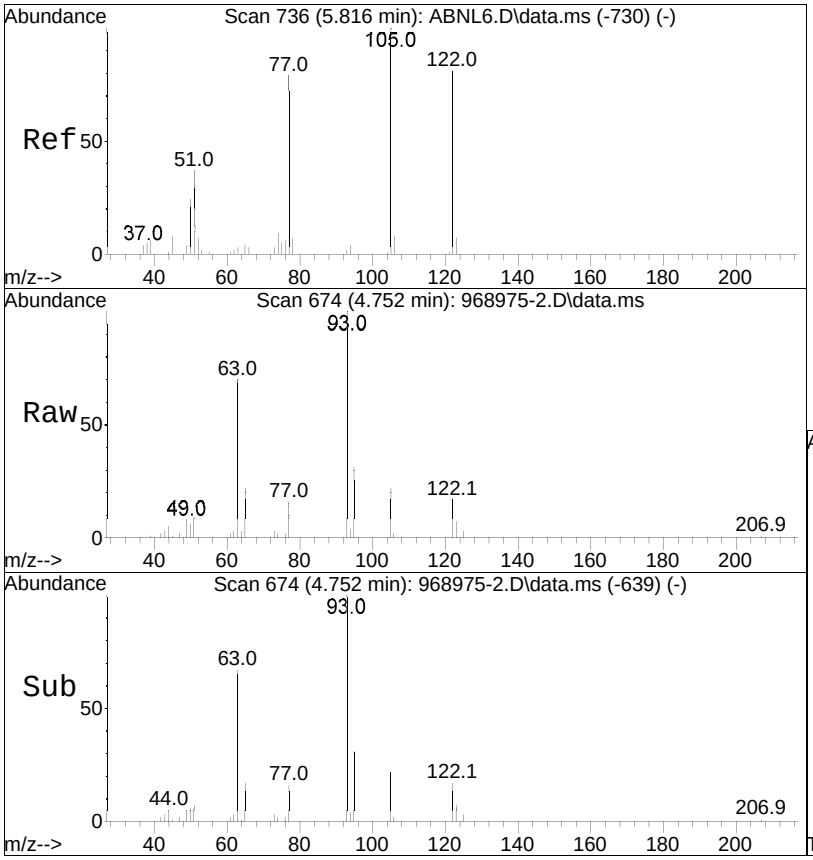


#36
Naphthalene
Concen: 1.23 ug/ml
RT: 4.922 min Scan# 703
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:128 Resp: 35602

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	13.6	10.6	15.8

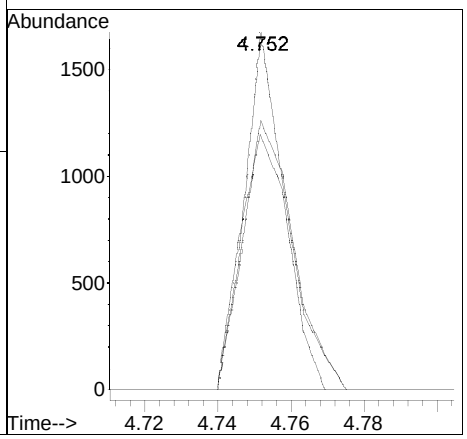


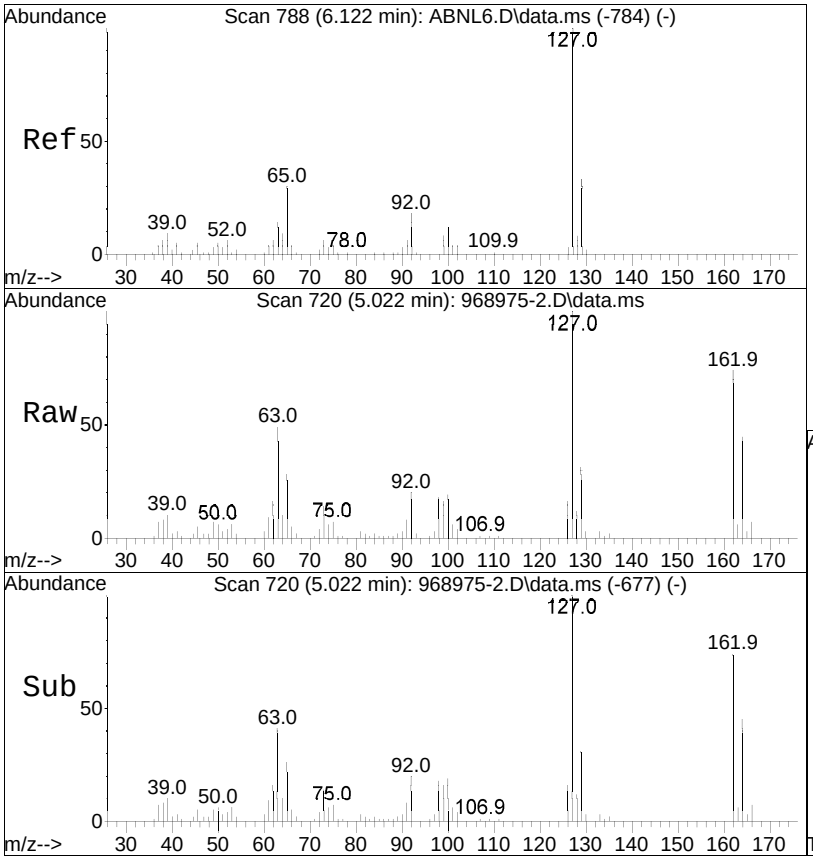


#37
Benzoic Acid
Concen: 1.63 ug/ml
RT: 4.752 min Scan# 674
Delta R.T. -0.047 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:105 Resp: 1325

Ion	Ratio	Lower	Upper
105	100		
122	90.0	62.6	93.8
77	82.4	59.1	88.7

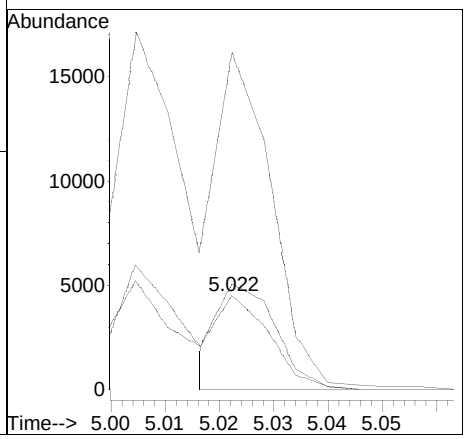


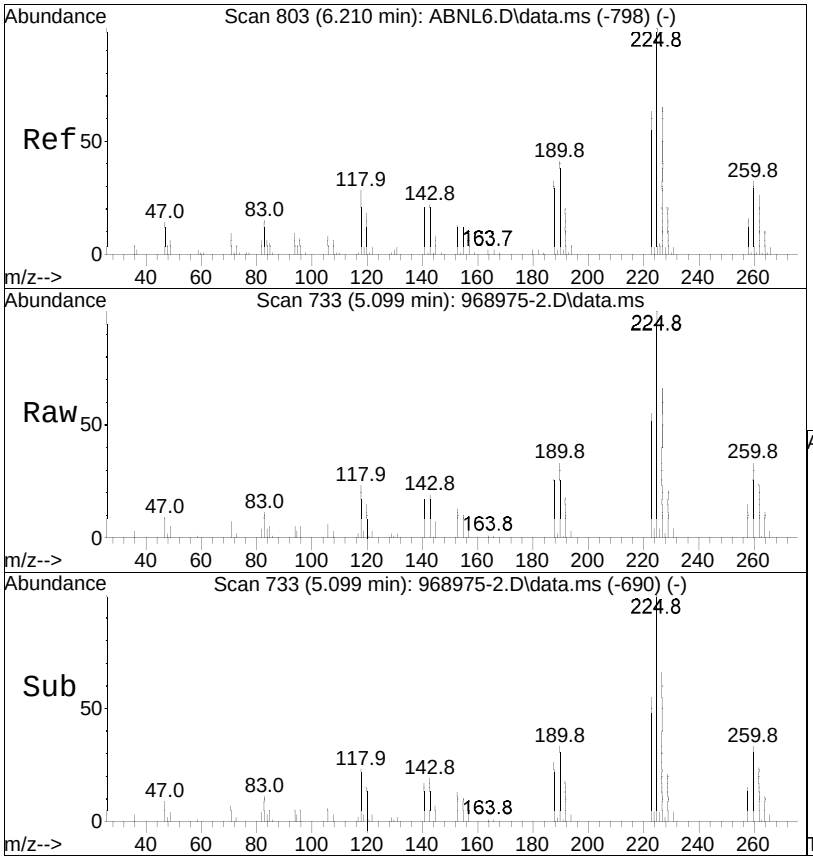


#38
4-Chloroaniline
Concen: 0.91 ug/ml M3
RT: 5.022 min Scan# 720
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 65 Resp: 2983

Ion	Ratio	Lower	Upper
65	100		
127	516.4	266.2	399.4#
129	168.3	85.0	127.4#

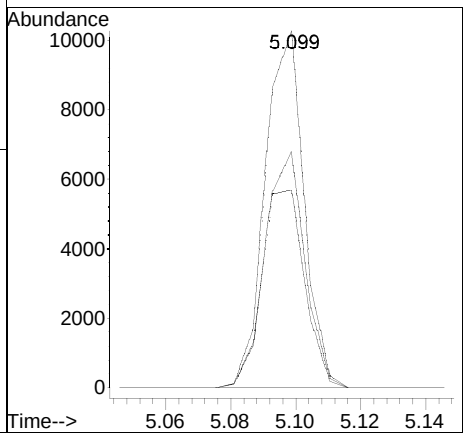


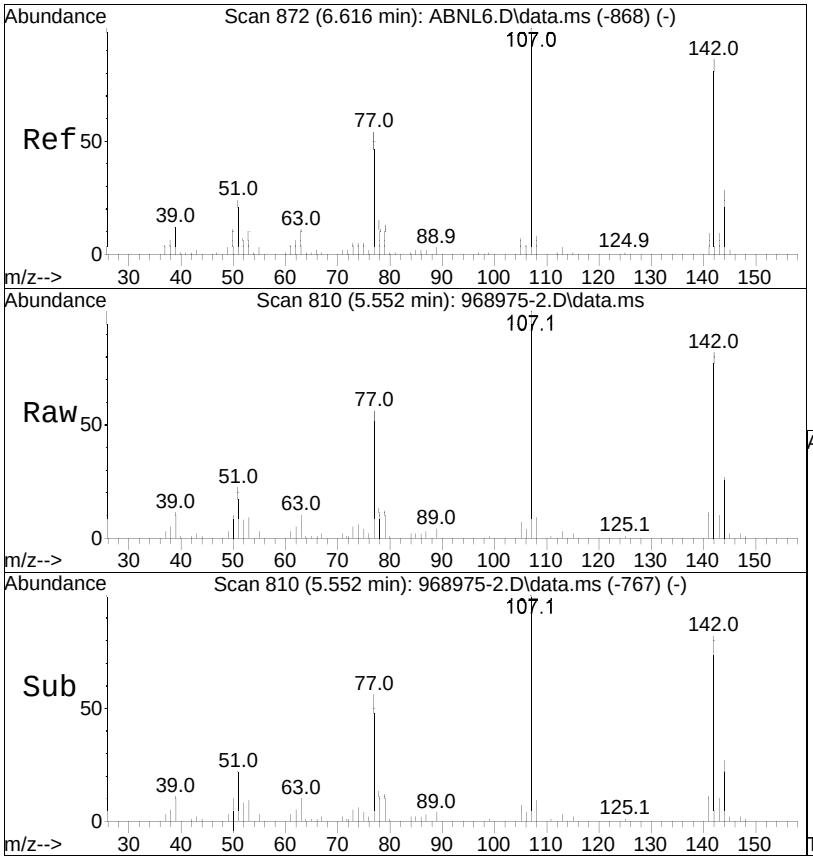


#39
Hexachlorobutadiene
Concen: 1.25 ug/ml
RT: 5.099 min Scan# 733
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:225 Resp: 8507

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.5	75.7
227	68.0	50.4	75.6

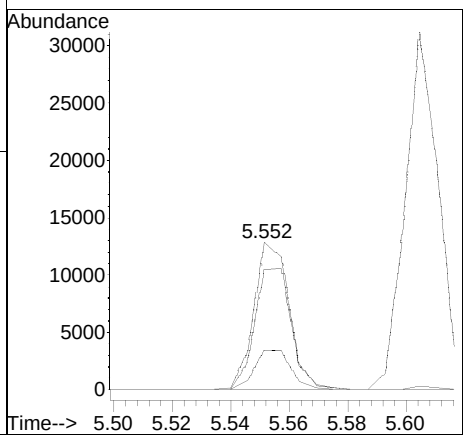


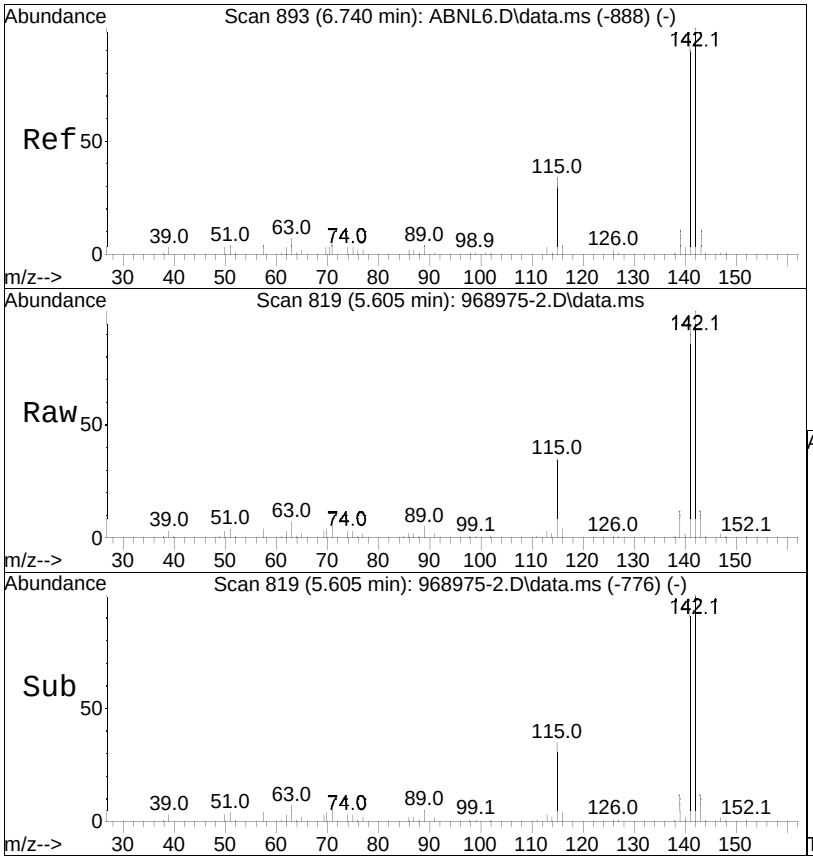


#40
p-Chloro-m-cresol
Concen: 1.40 ug/ml
RT: 5.552 min Scan# 810
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:107 Resp: 10751

Ion	Ratio	Lower	Upper
107	100		
144	27.5	20.3	30.5
142	85.7	63.8	95.6

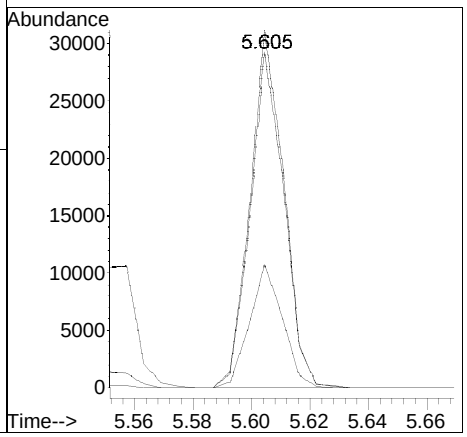


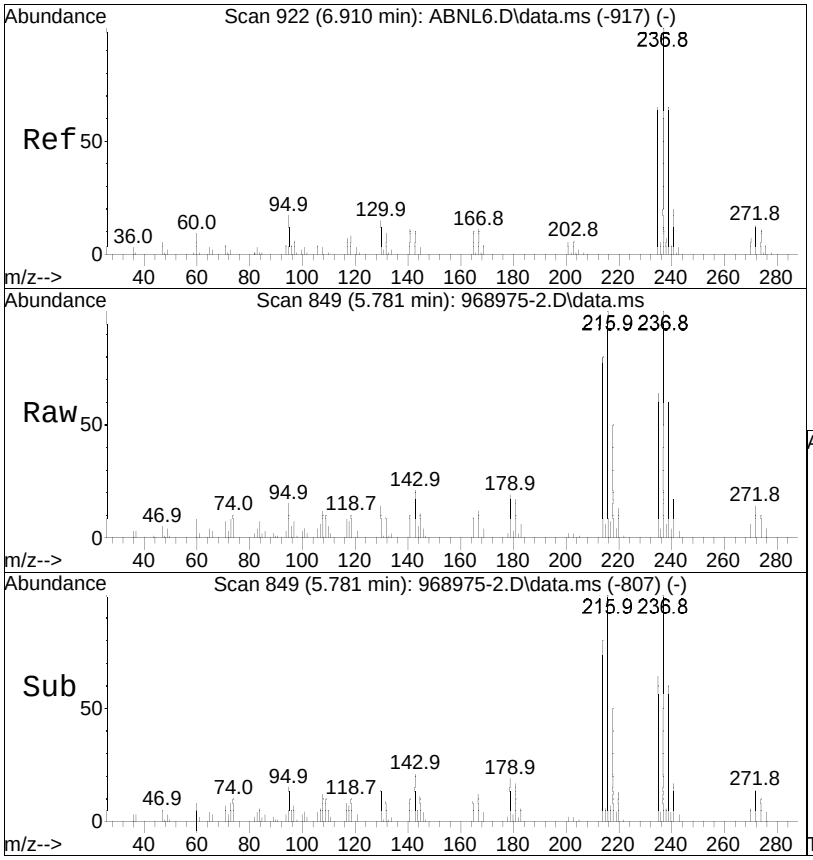


#41
2-Methylnaphthalene
Concen: 1.25 ug/ml
RT: 5.605 min Scan# 819
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:142 Resp: 24631

Ion	Ratio	Lower	Upper
142	100		
141	93.9	72.2	108.4
115	33.9	27.8	41.6

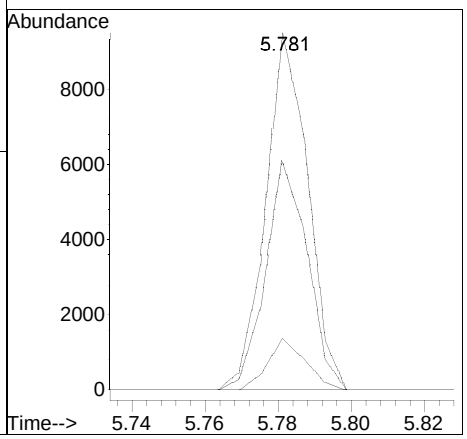


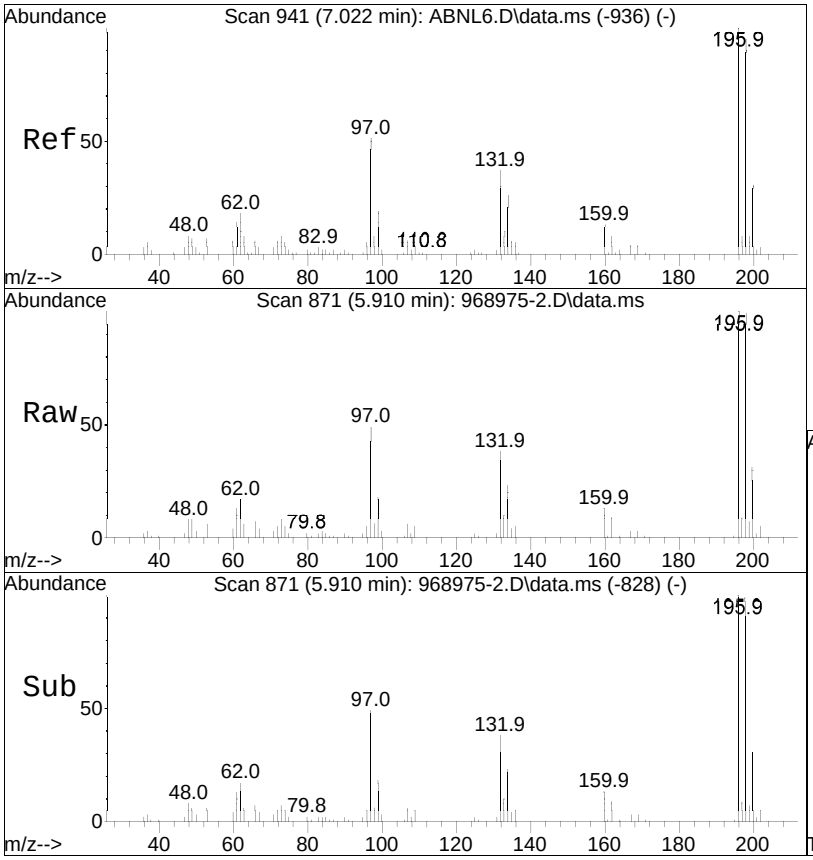


#43
Hexachlorocyclopentadiene
Concen: 1.09 ug/ml
RT: 5.781 min Scan# 849
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:237 Resp: 7565

Ion	Ratio	Lower	Upper
237	100		
235	64.1	50.9	76.3
272	13.0	10.1	15.1

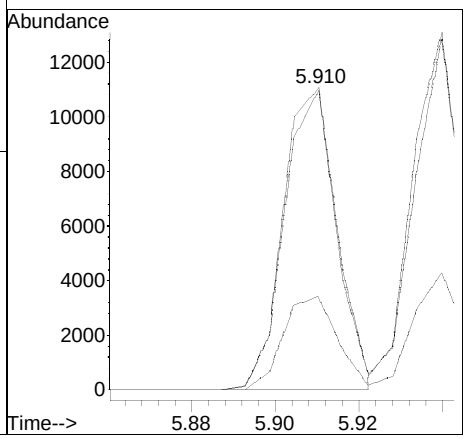


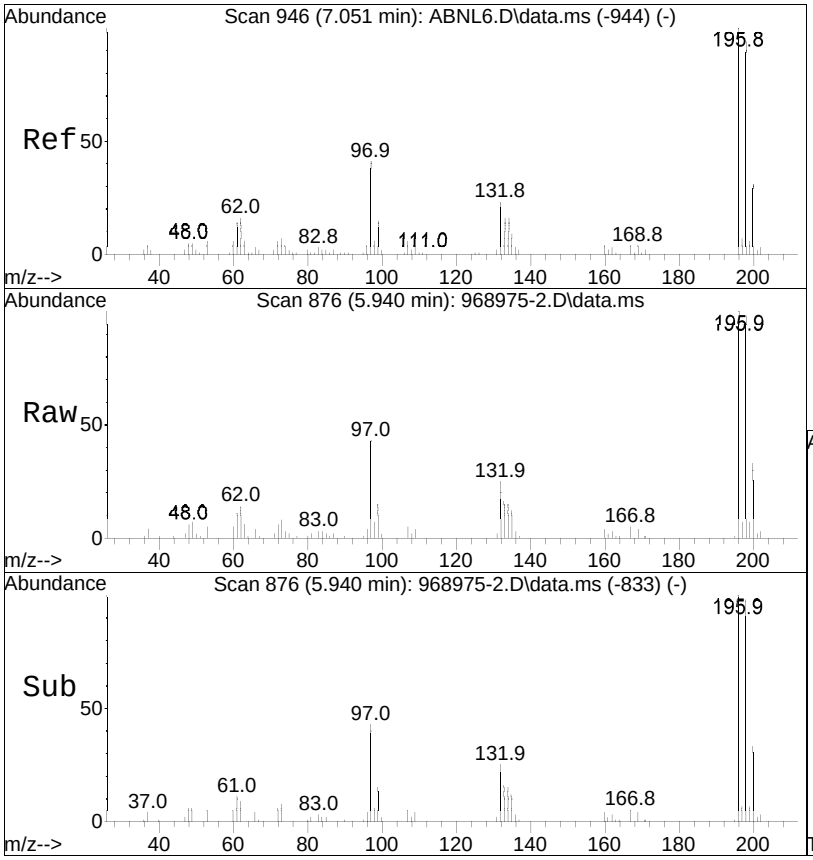


#44
2,4,6-Trichlorophenol
Concen: 1.39 ug/ml
RT: 5.910 min Scan# 871
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:196 Resp: 9894

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.4	114.6
200	31.3	24.4	36.6

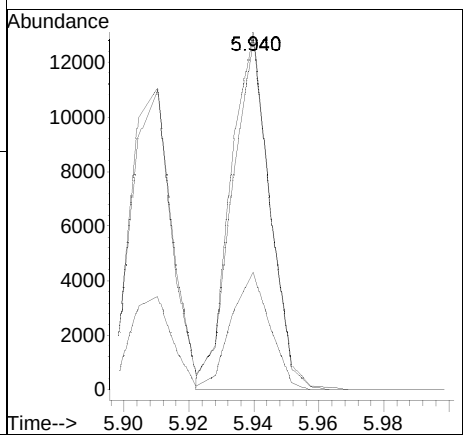


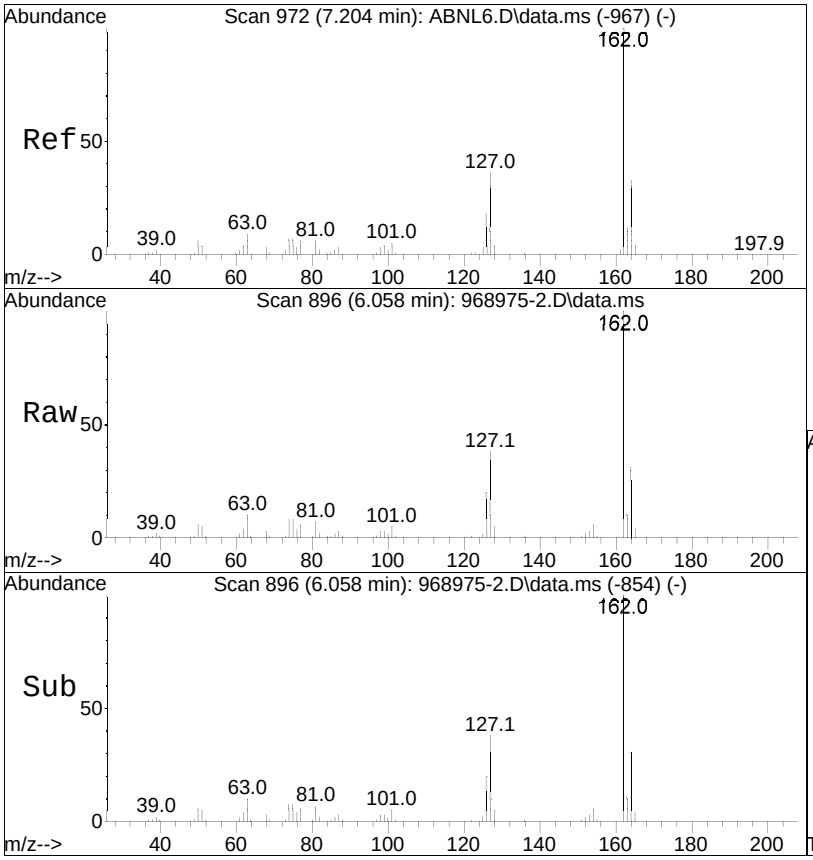


#45
2,4,5-Trichlorophenol
Concen: 1.51 ug/ml
RT: 5.940 min Scan# 876
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:196 Resp: 10985

Ion	Ratio	Lower	Upper
196	100		
200	32.4	24.2	36.4
198	94.2	76.2	114.2

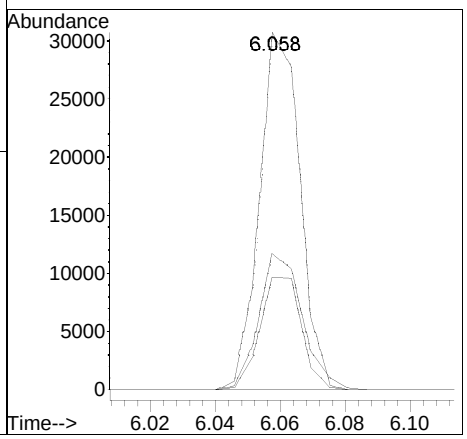


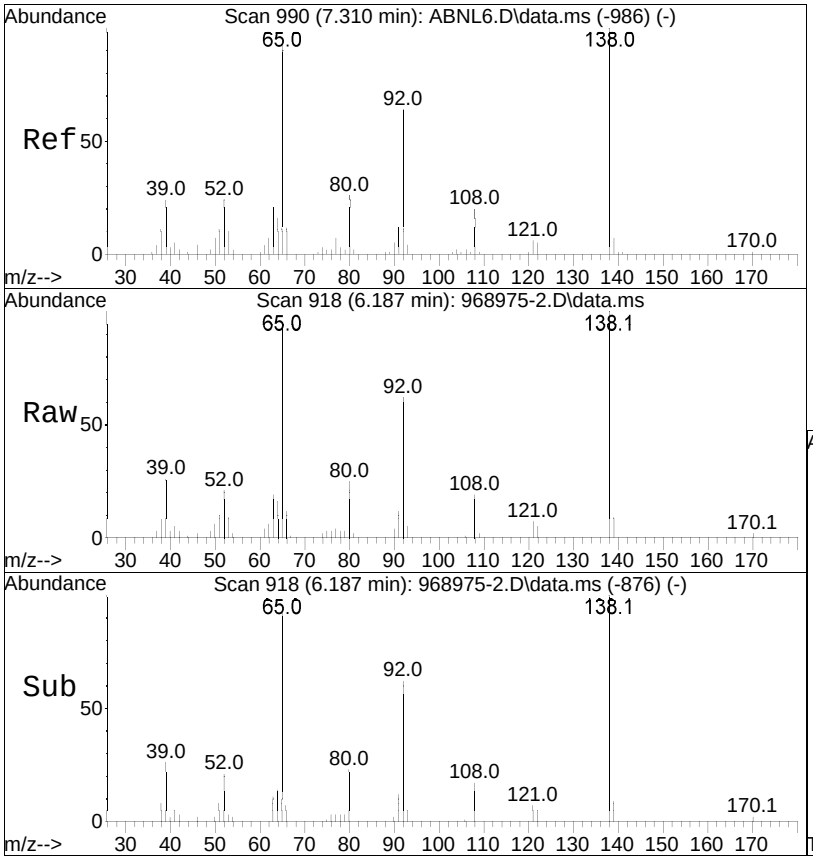


#47
2-Chloronaphthalene
Concen: 1.26 ug/ml
RT: 6.058 min Scan# 896
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:162 Resp: 26435

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.8	50.6
164	32.6	25.8	38.6

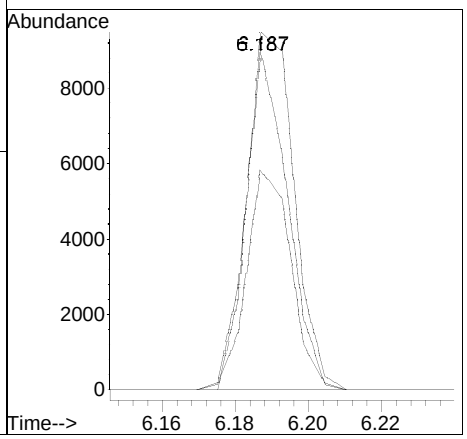


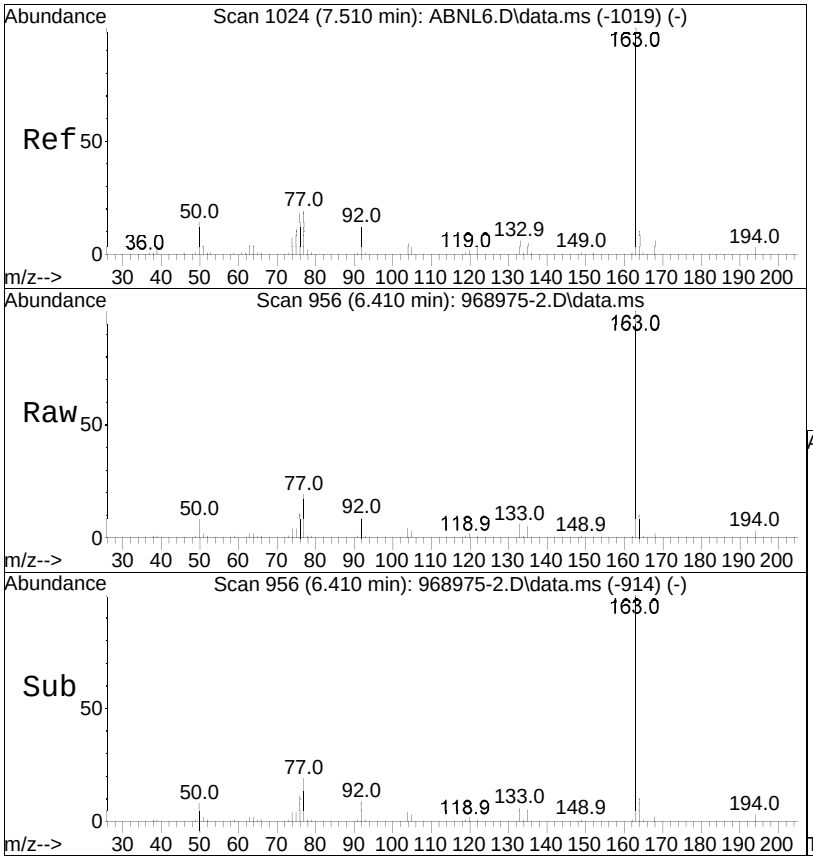


#48
2-Nitroaniline
Concen: 1.52 ug/ml
RT: 6.187 min Scan# 918
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:138 Resp: 8431

Ion	Ratio	Lower	Upper
138	100		
92	58.4	52.1	78.1
65	84.8	75.9	113.9

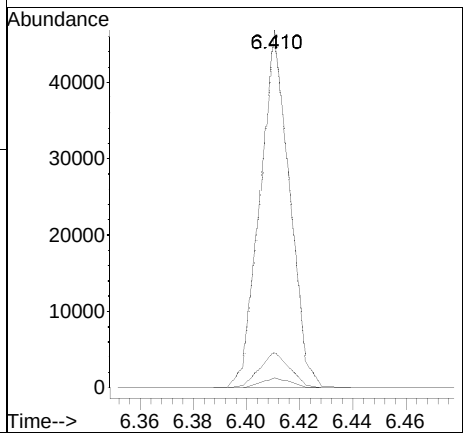


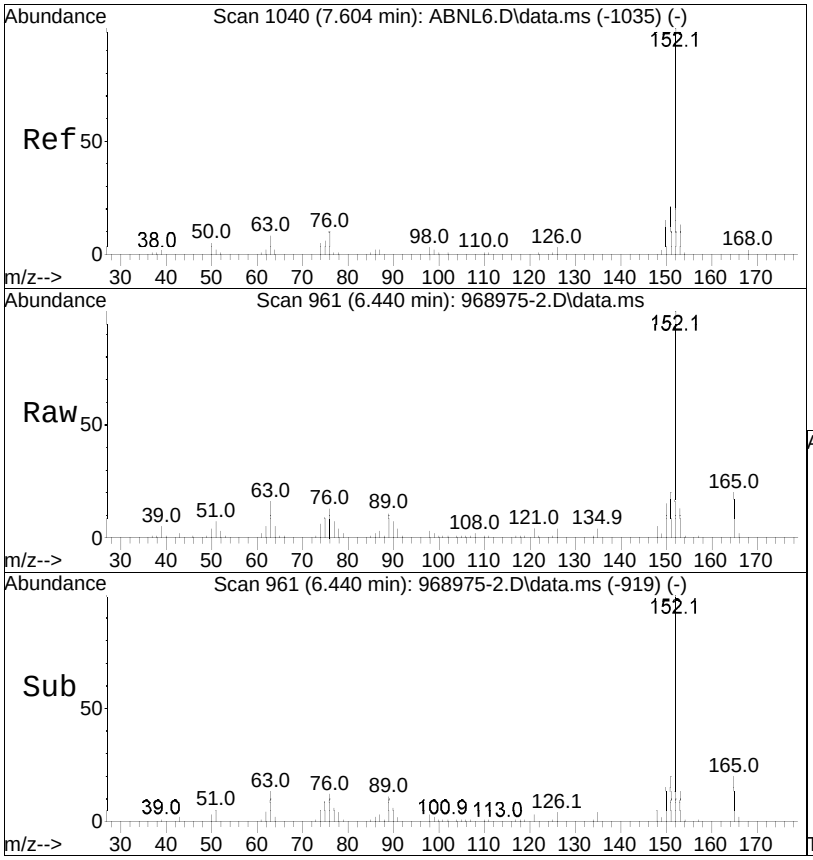


#51
Dimethyl phthalate
Concen: 1.39 ug/ml
RT: 6.410 min Scan# 956
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:163 Resp: 35622

Ion	Ratio	Lower	Upper
163	100		
194	2.8	2.3	3.5
164	10.3	8.2	12.2

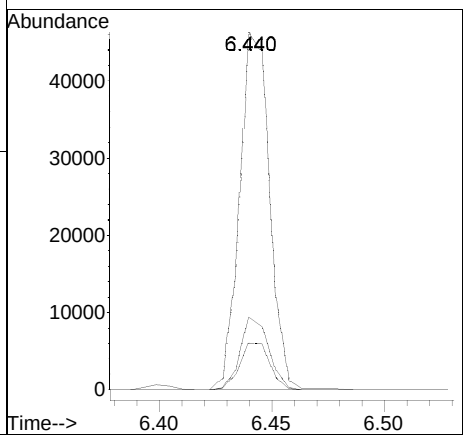


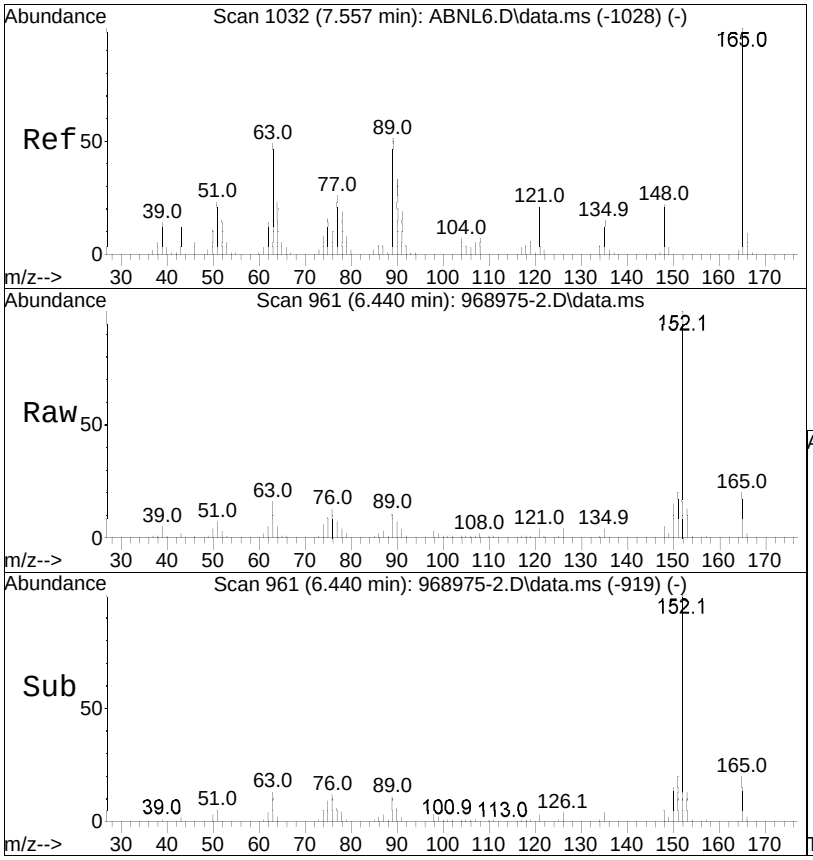


#52
Acenaphthylene
Concen: 1.37 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:152 Resp: 42442

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	13.3	10.5	15.7

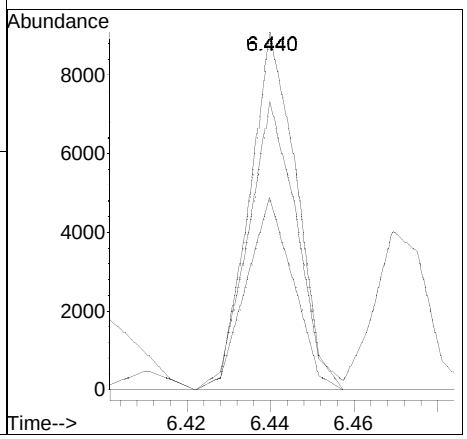


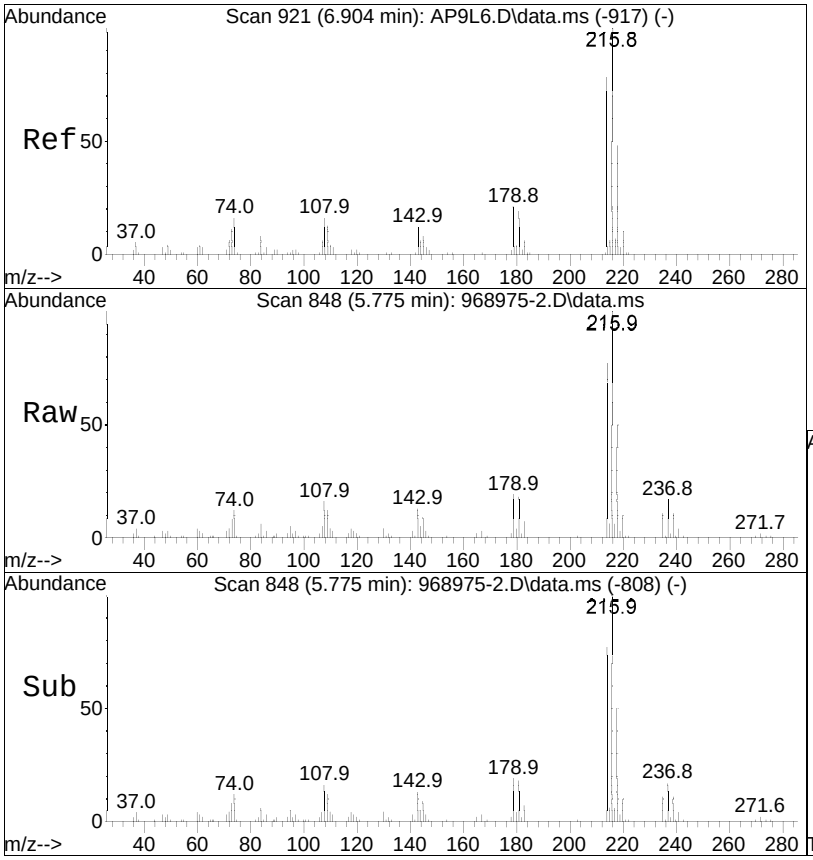


#53
2,6-Dinitrotoluene
Concen: 1.47 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:165 Resp: 7048

Ion	Ratio	Lower	Upper
165	100		
89	54.2	48.8	73.2
63	84.4	50.5	75.7#

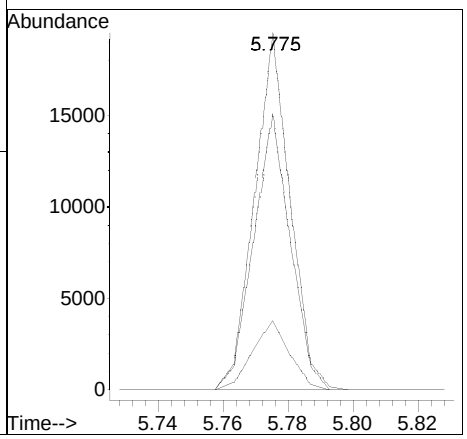


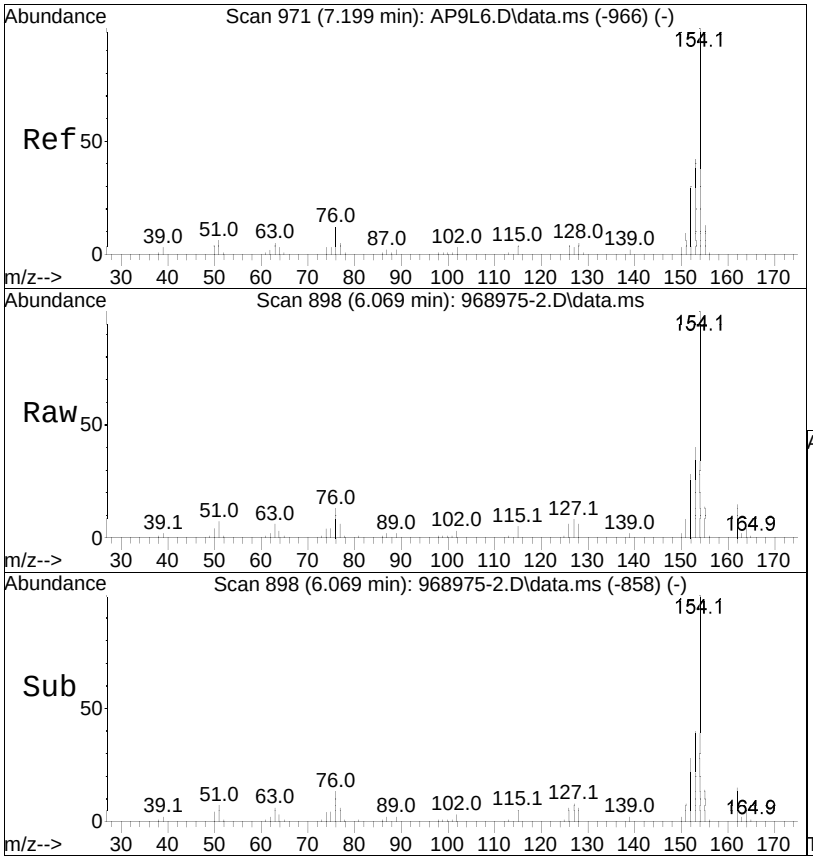


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.12 ug/ml
RT: 5.775 min Scan# 848
Delta R.T. -0.018 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:216 Resp: 14820

Ion	Ratio	Lower	Upper
216	100		
214	79.6	64.0	96.0
179	20.1	18.7	28.1

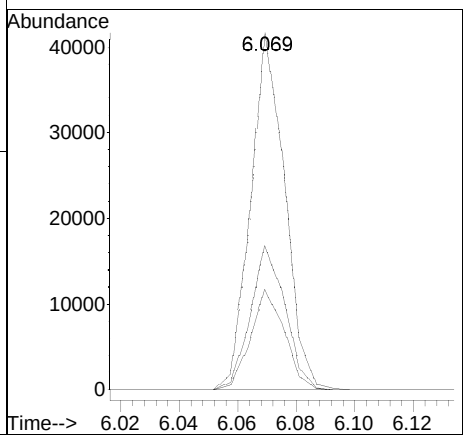


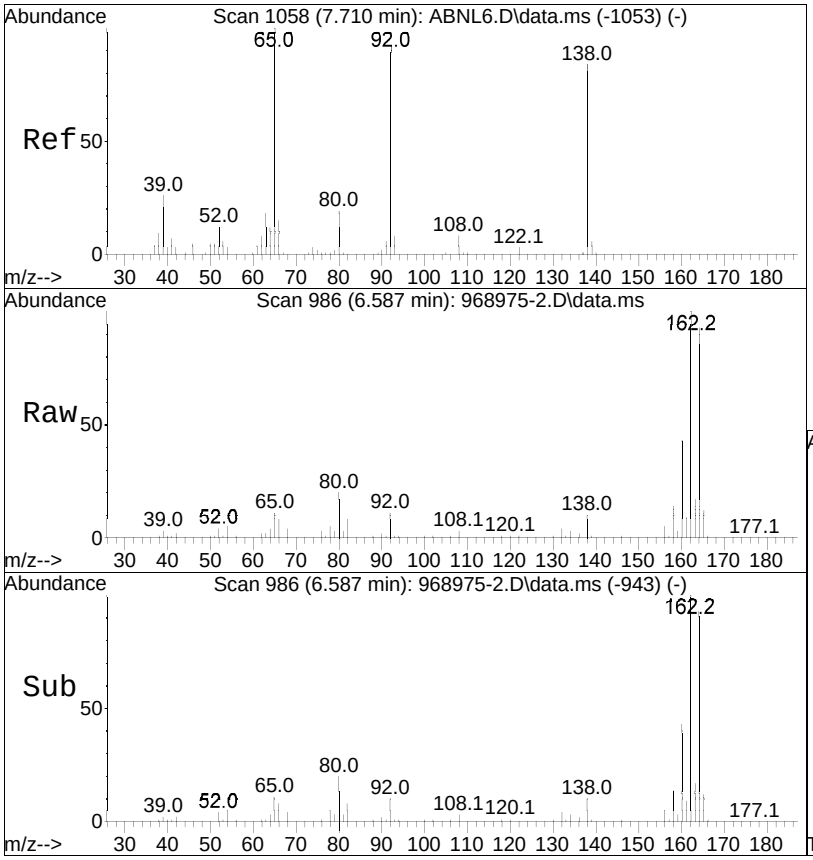


#62
Biphenyl
Concen: 1.17 ug/ml
RT: 6.069 min Scan# 898
Delta R.T. -0.018 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:154 Resp: 33352

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.5	48.7
152	28.2	22.6	34.0

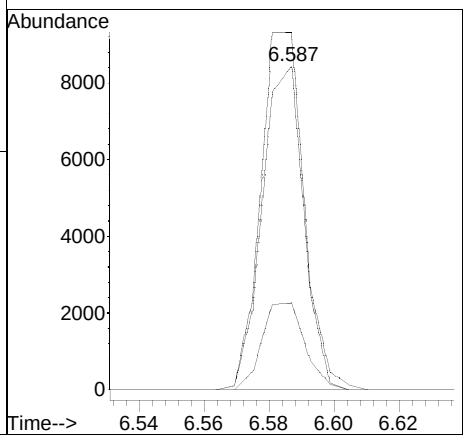


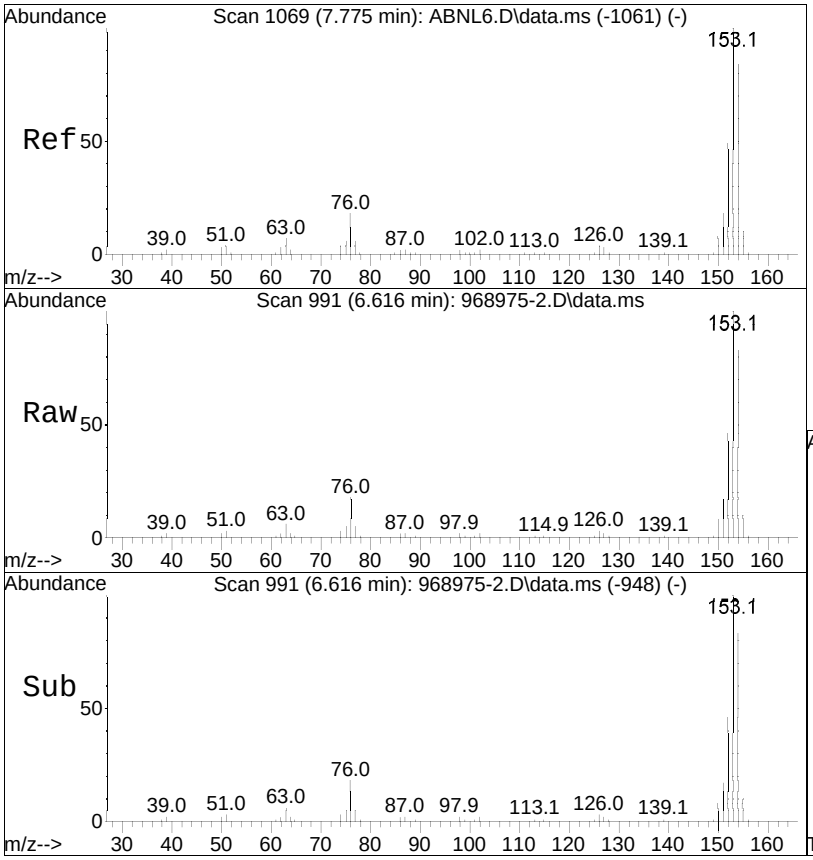


#64
3-Nitroaniline
Concen: 1.40 ug/ml
RT: 6.587 min Scan# 986
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:138 Resp: 7424

Ion	Ratio	Lower	Upper
138	100		
92	115.4	92.8	139.2
108	28.0	7.9	11.9#

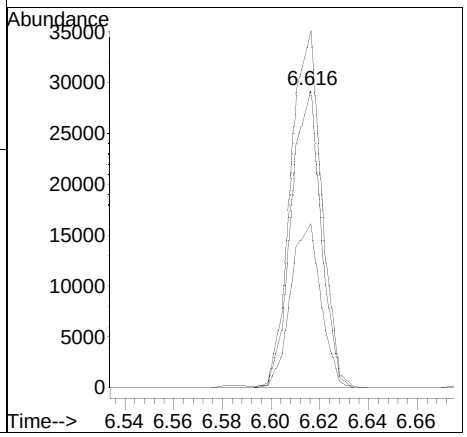


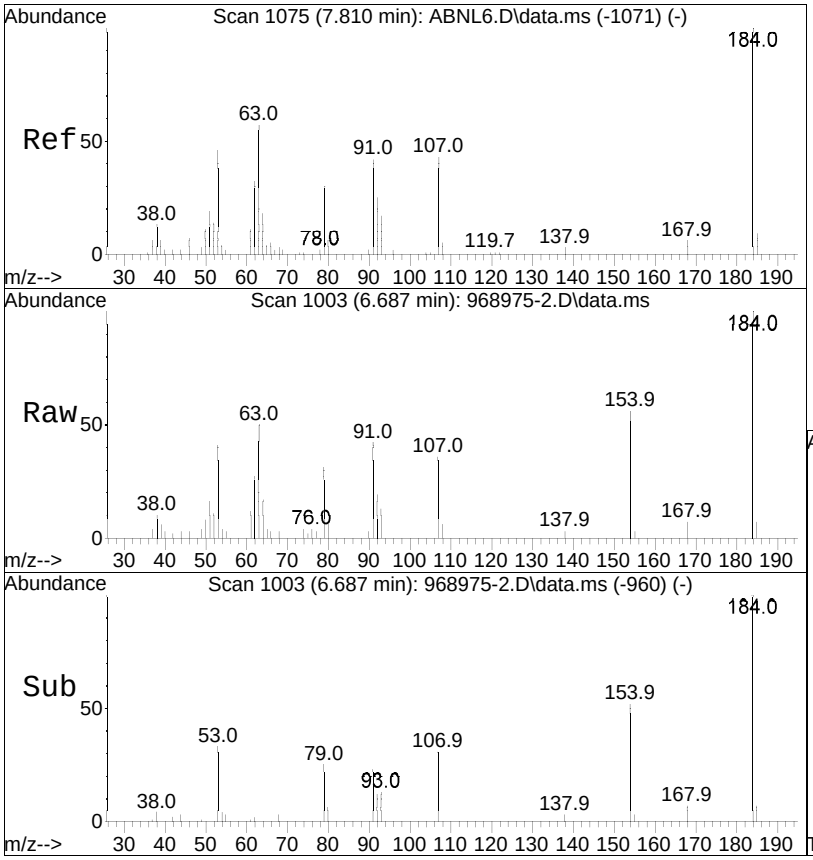


#65
Acenaphthene
Concen: 1.27 ug/ml
RT: 6.616 min Scan# 991
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:154 Resp: 25126

Ion	Ratio	Lower	Upper
154	100		
153	122.3	93.0	139.4
152	55.9	43.3	64.9

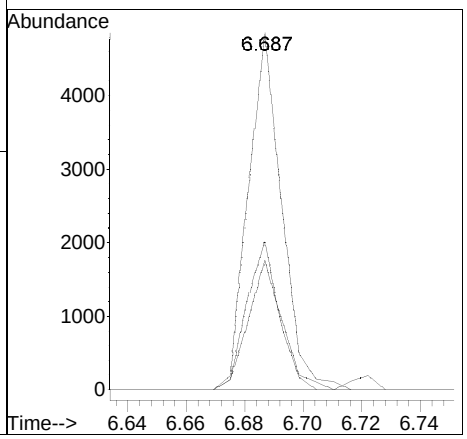


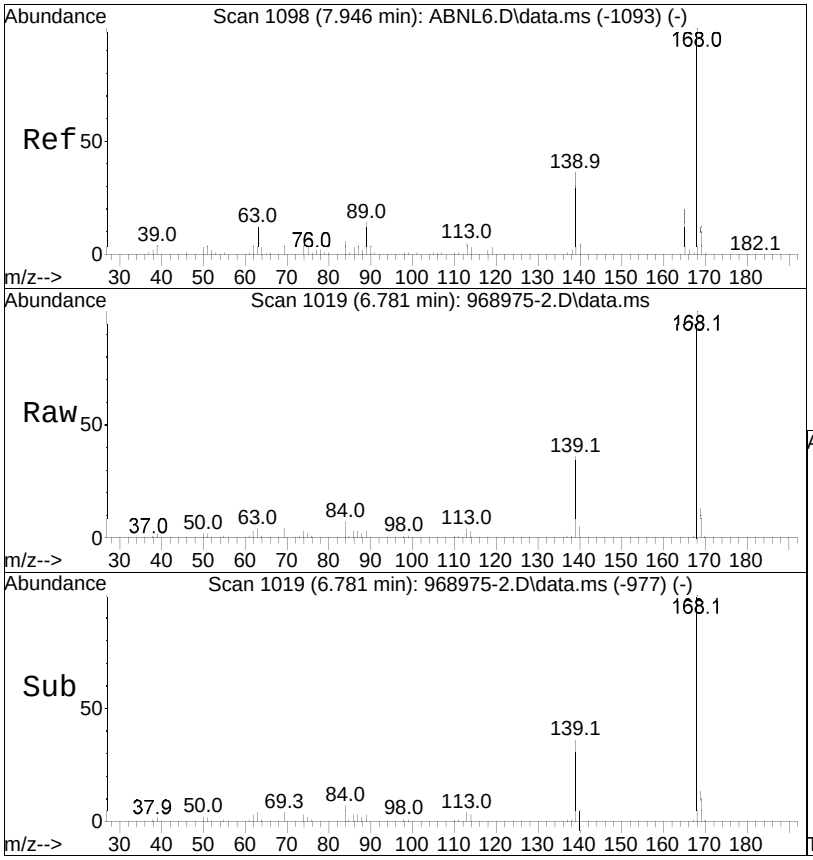


#66
2,4-Dinitrophenol
Concen: 1.62 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:184 Resp: 3816

Ion	Ratio	Lower	Upper
184	100		
107	37.4	41.8	62.6#
91	40.5	44.2	66.2#

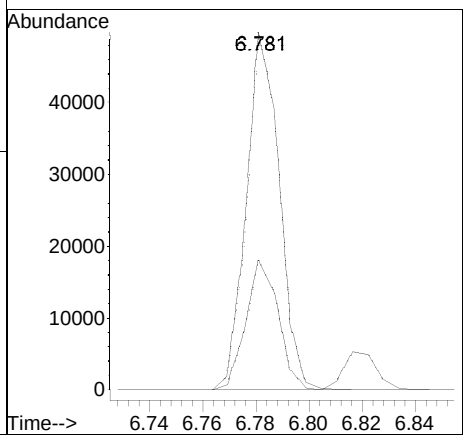


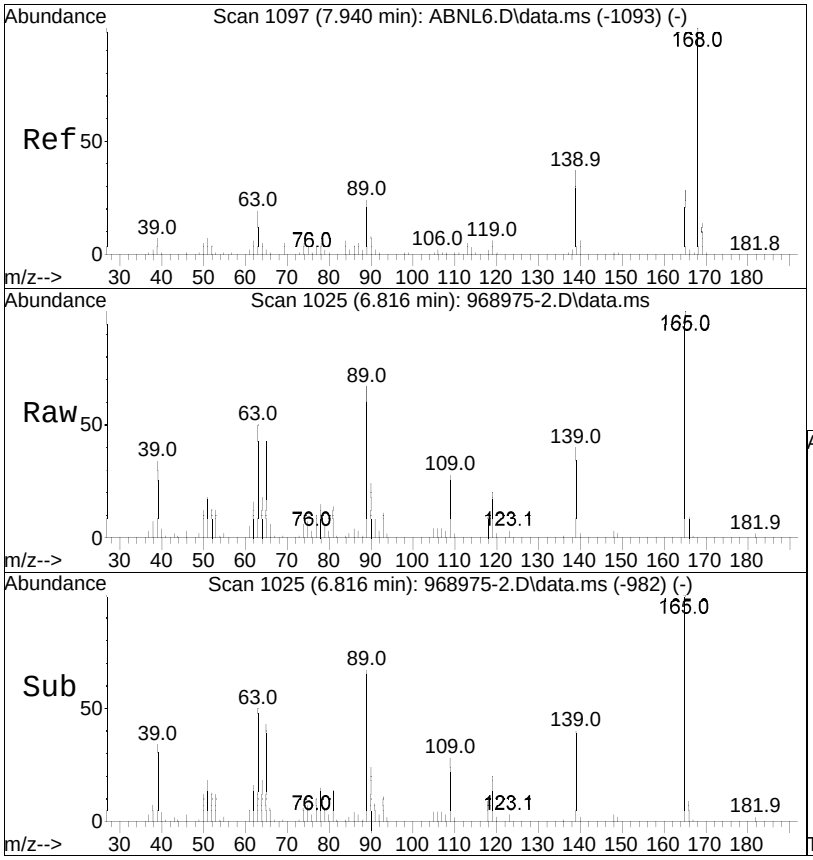


#67
Dibenzofuran
Concen: 1.29 ug/ml
RT: 6.781 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:168 Resp: 42272

Ion	Ratio	Lower	Upper
168	100		
139	35.8	32.3	48.5

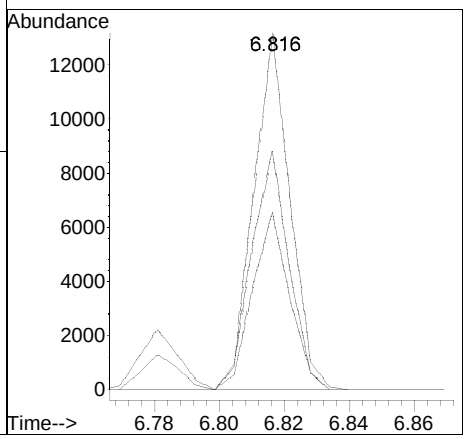


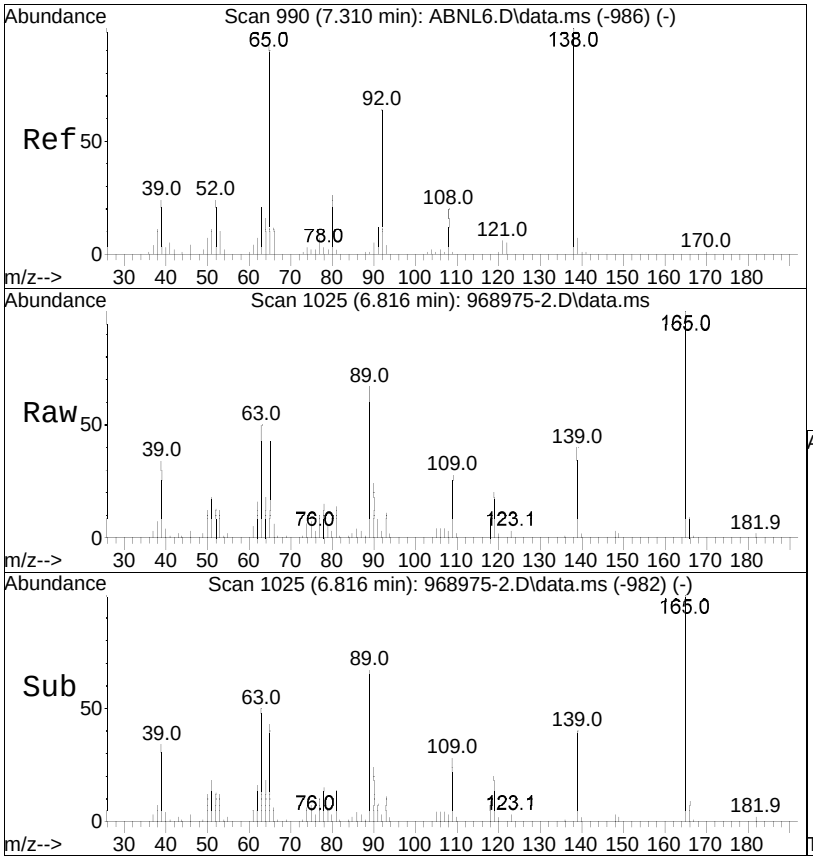


#68
2,4-Dinitrotoluene
Concen: 1.48 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:165 Resp: 10130

Ion	Ratio	Lower	Upper
165	100		
89	69.1	73.0	109.4#
63	51.1	56.3	84.5#

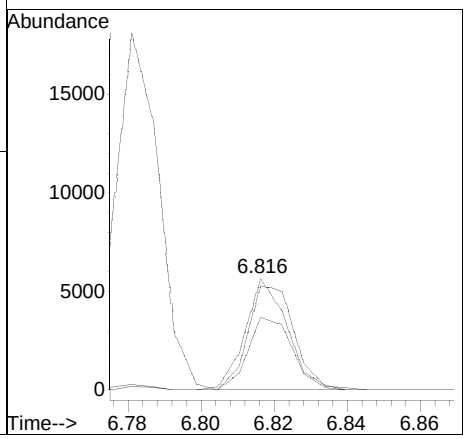


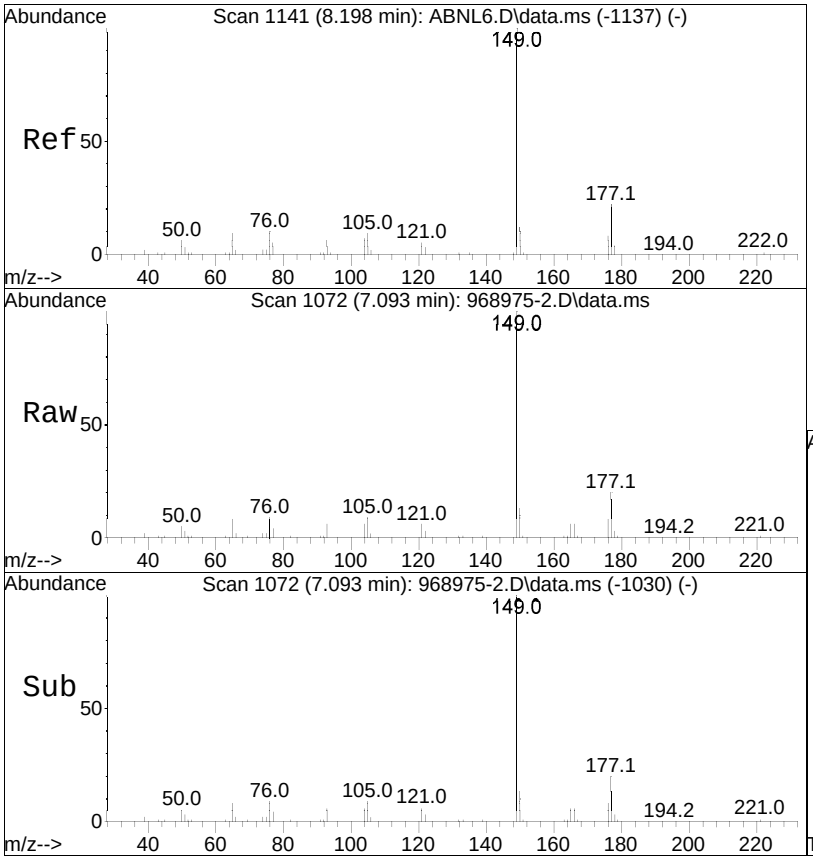


#69
4-Nitrophenol
Concen: 0.87 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion: 65 Resp: 4492

Ion	Ratio	Lower	Upper
65	100		
109	68.5	60.2	90.2
139	103.0	81.1	121.7

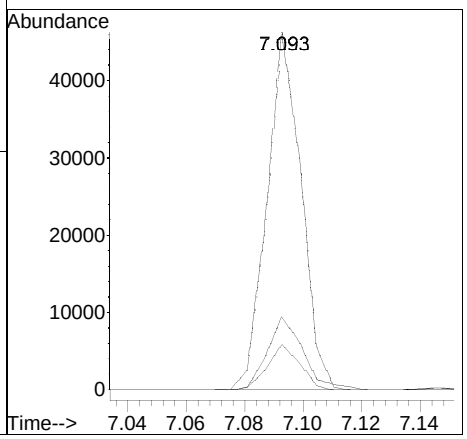


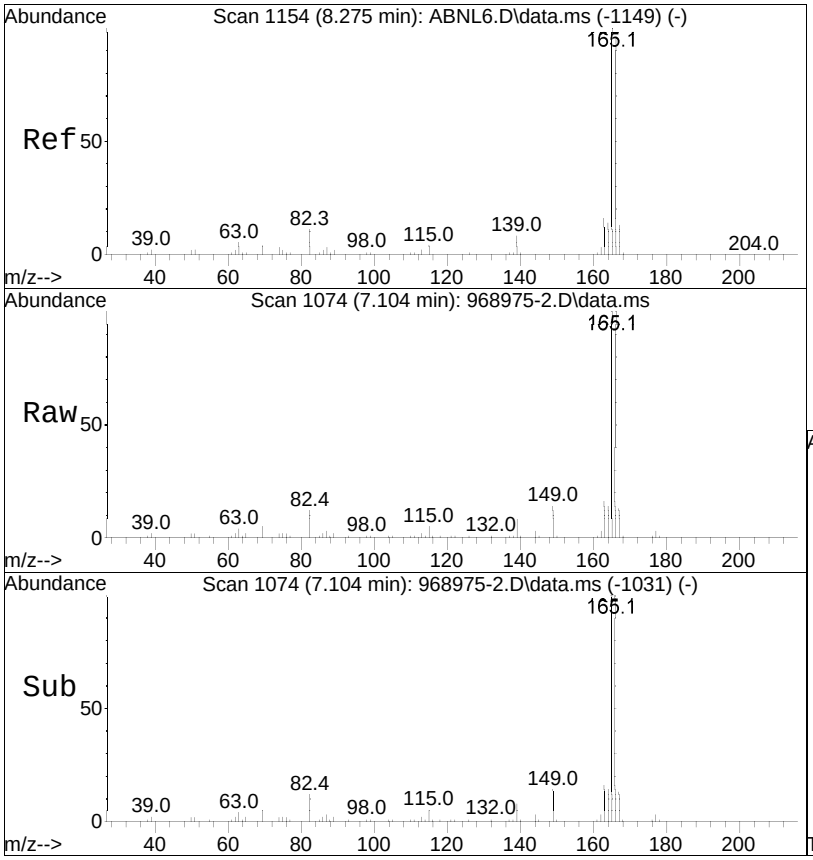


#72
Diethyl phthalate
Concen: 1.40 ug/ml
RT: 7.093 min Scan# 1072
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:149 Resp: 37057

Ion	Ratio	Lower	Upper
149	100		
177	21.6	15.0	22.6
150	12.2	9.8	14.6

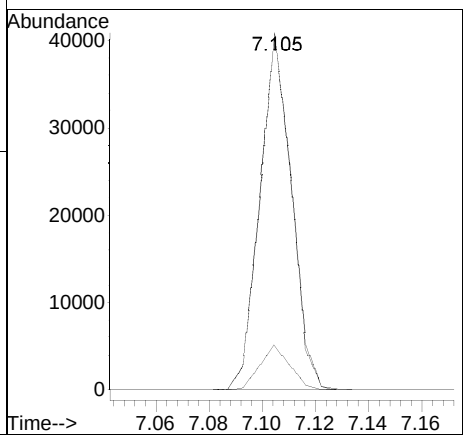


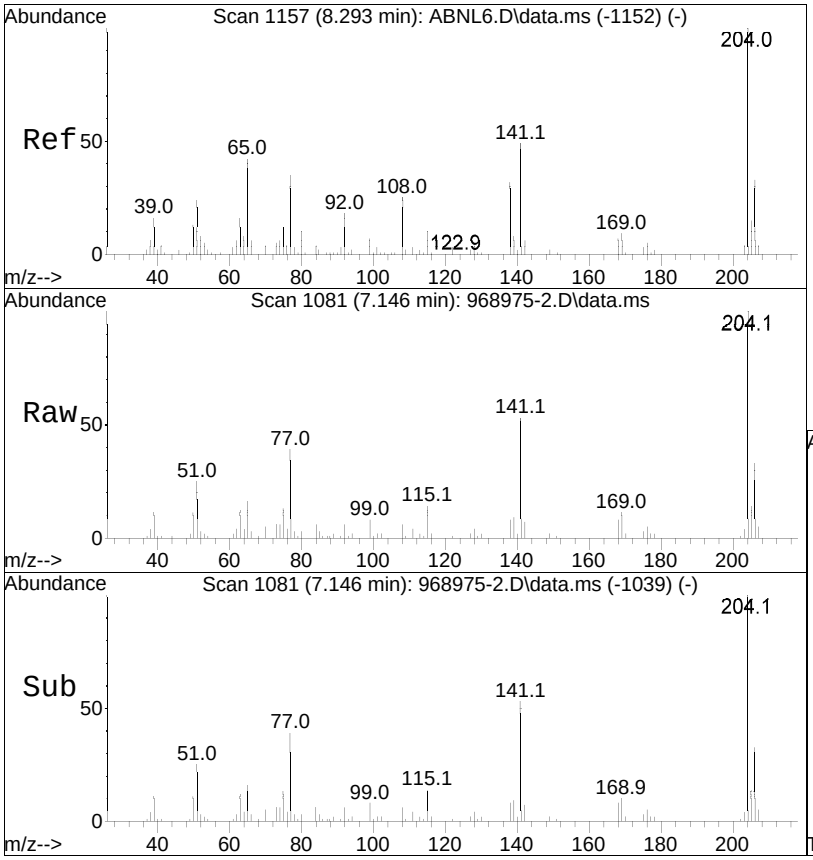


#73
Fluorene
Concen: 1.31 ug/ml
RT: 7.104 min Scan# 1074
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:166 Resp: 33292

Ion	Ratio	Lower	Upper
166	100		
165	101.5	80.0	120.0
167	12.3	10.7	16.1

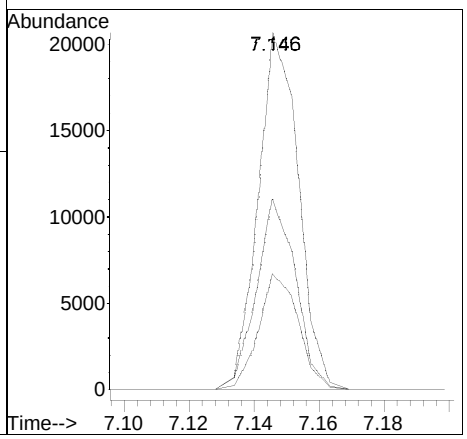


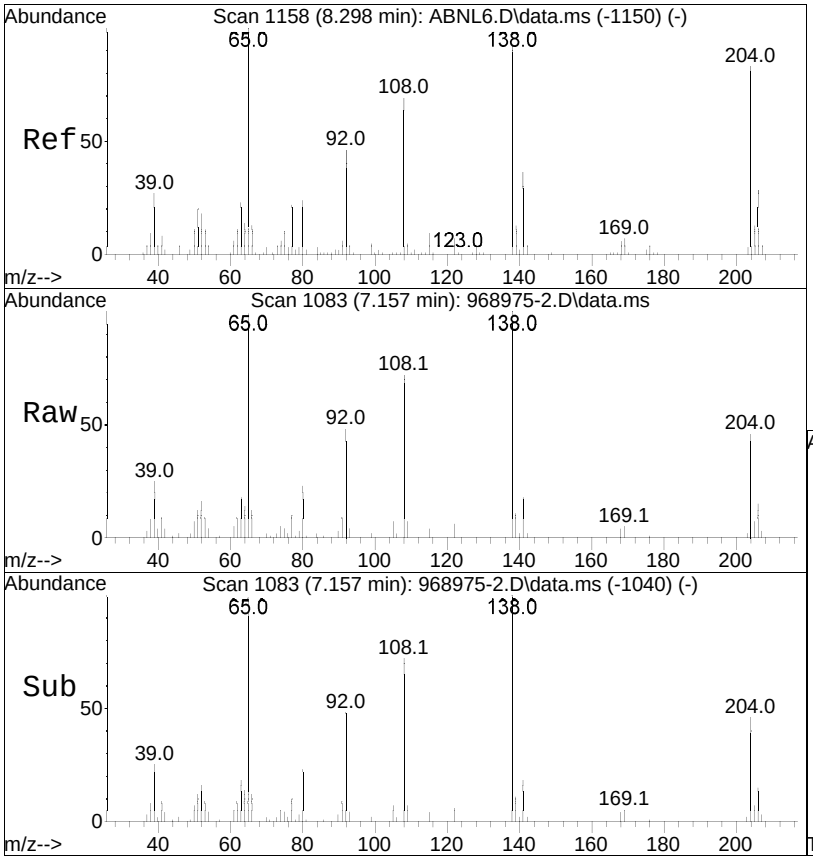


#74
4-Chlorophenyl phenyl ether
Concen: 1.27 ug/ml
RT: 7.146 min Scan# 1081
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:204 Resp: 17689

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.3	39.5
141	52.1	58.4	87.6#

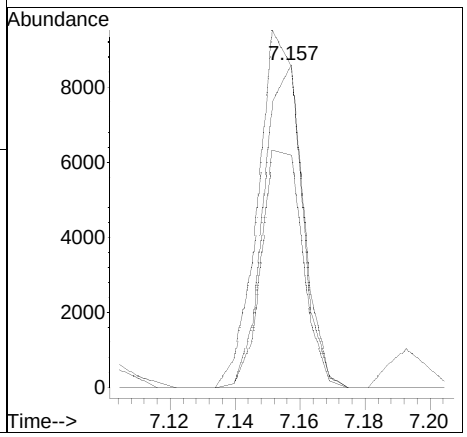


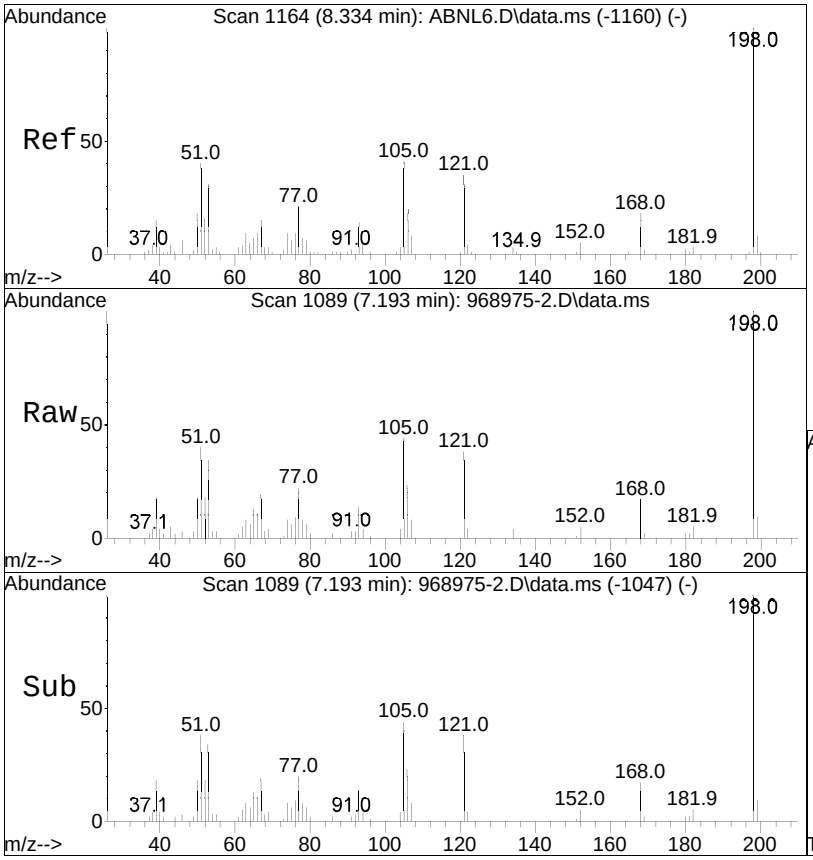


#75
4-Nitroaniline
Concen: 1.31 ug/ml
RT: 7.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:138 Resp: 7317

Ion	Ratio	Lower	Upper
138	100		
108	76.4	59.2	88.8
65	118.4	97.6	146.4

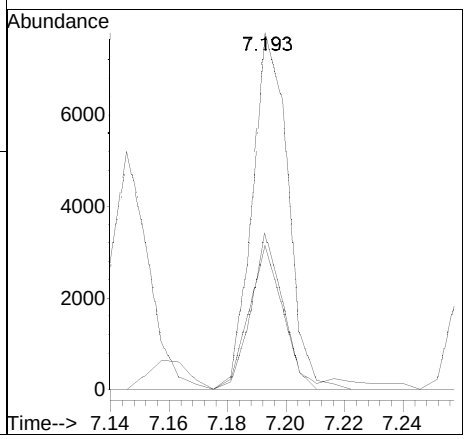


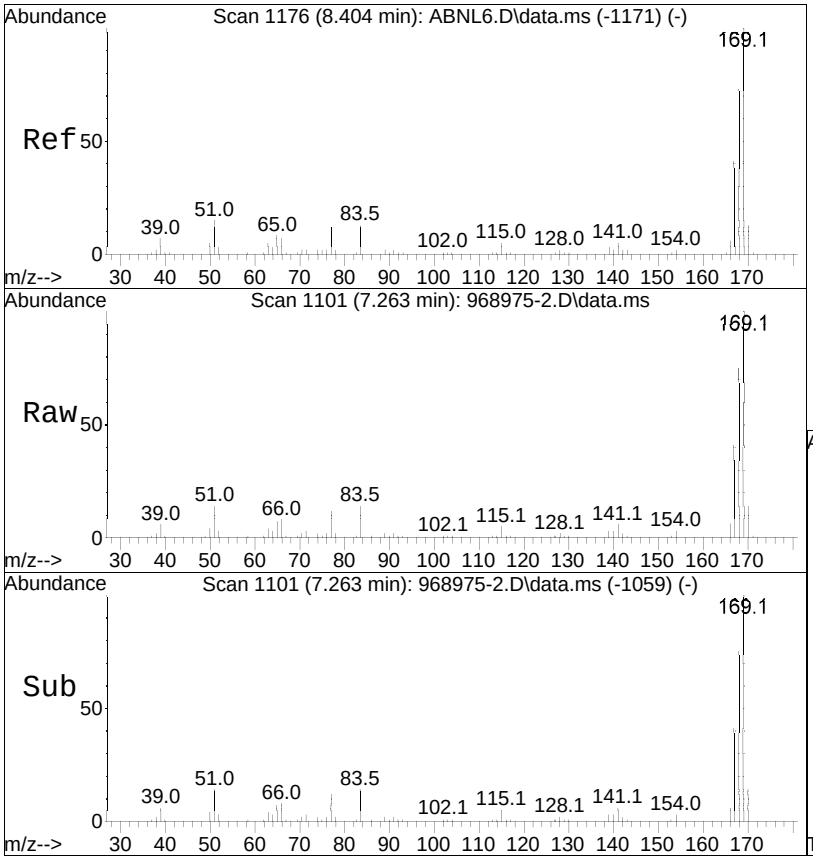


#76
4,6-Dinitro-o-cresol
Concen: 1.67 ug/ml
RT: 7.193 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:198 Resp: 6619

Ion	Ratio	Lower	Upper
198	100		
51	42.8	49.9	74.9#
105	38.8	45.8	68.6#

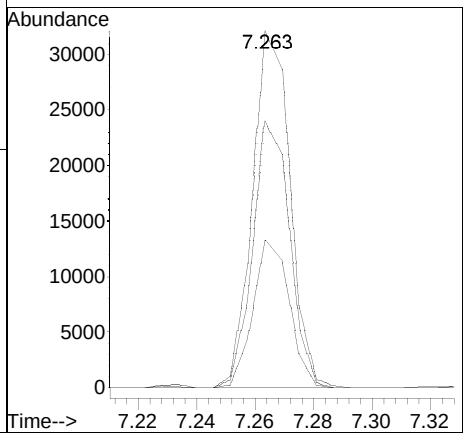


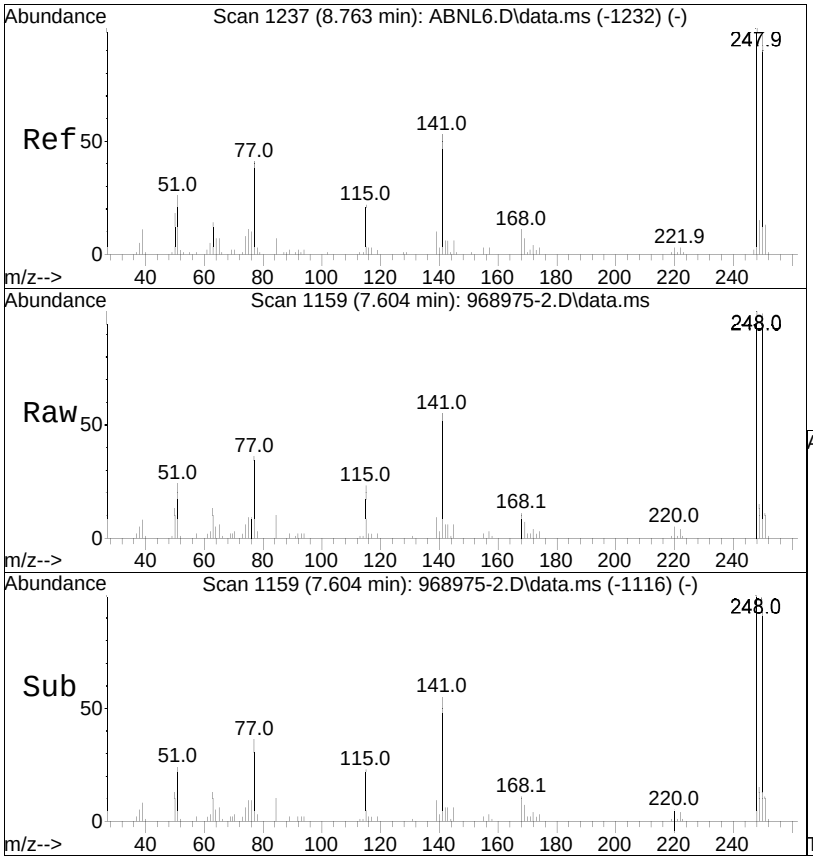


#77
NDPA/DPA
Concen: 1.30 ug/ml
RT: 7.263 min Scan# 1101
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:169 Resp: 28527

Ion	Ratio	Lower	Upper
169	100		
168	73.6	55.2	82.8
167	40.3	30.4	45.6

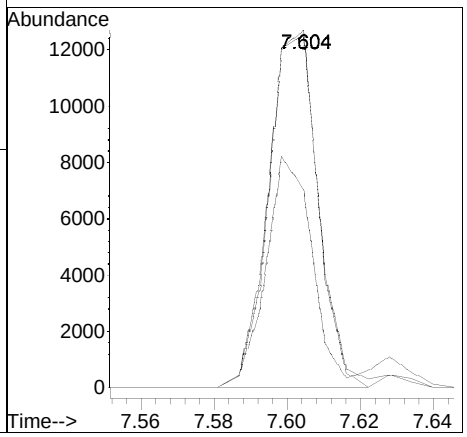


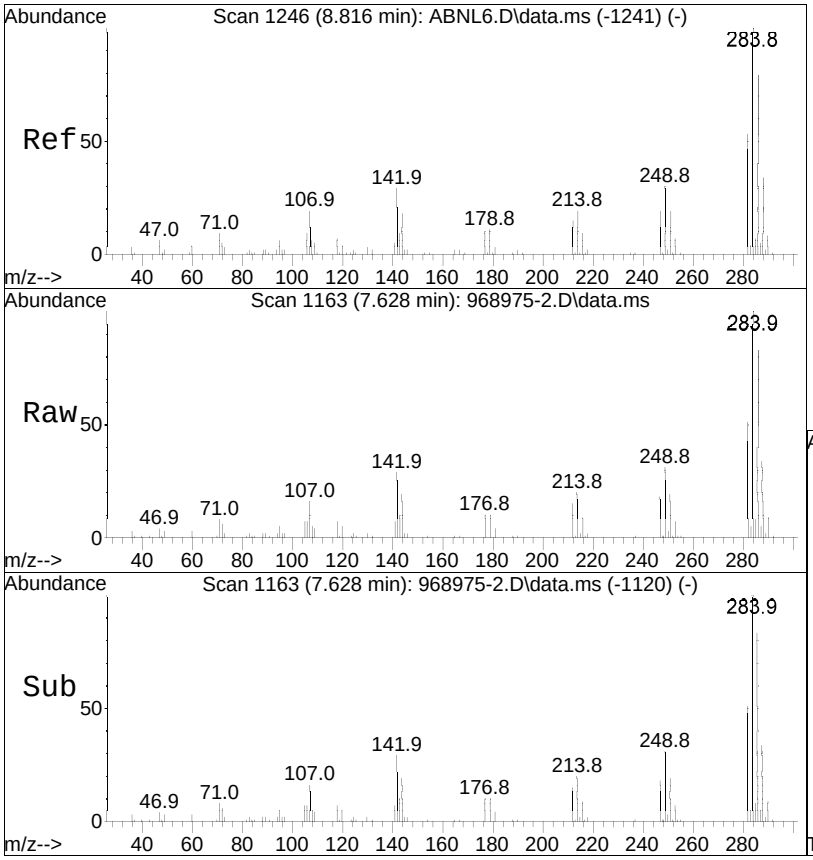


#80
4-Bromophenyl phenyl ether
Concen: 1.33 ug/ml
RT: 7.604 min Scan# 1159
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:248 Resp: 11789

Ion	Ratio	Lower	Upper
248	100		
141	62.7	74.6	111.8#
250	102.3	76.9	115.3

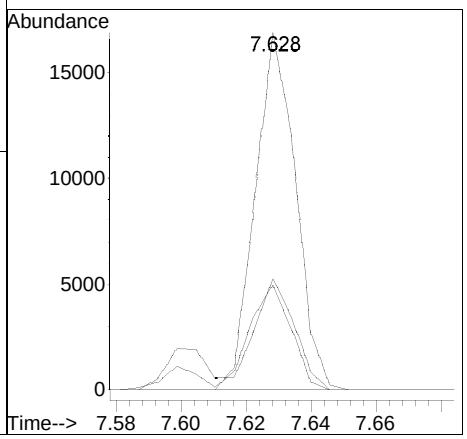


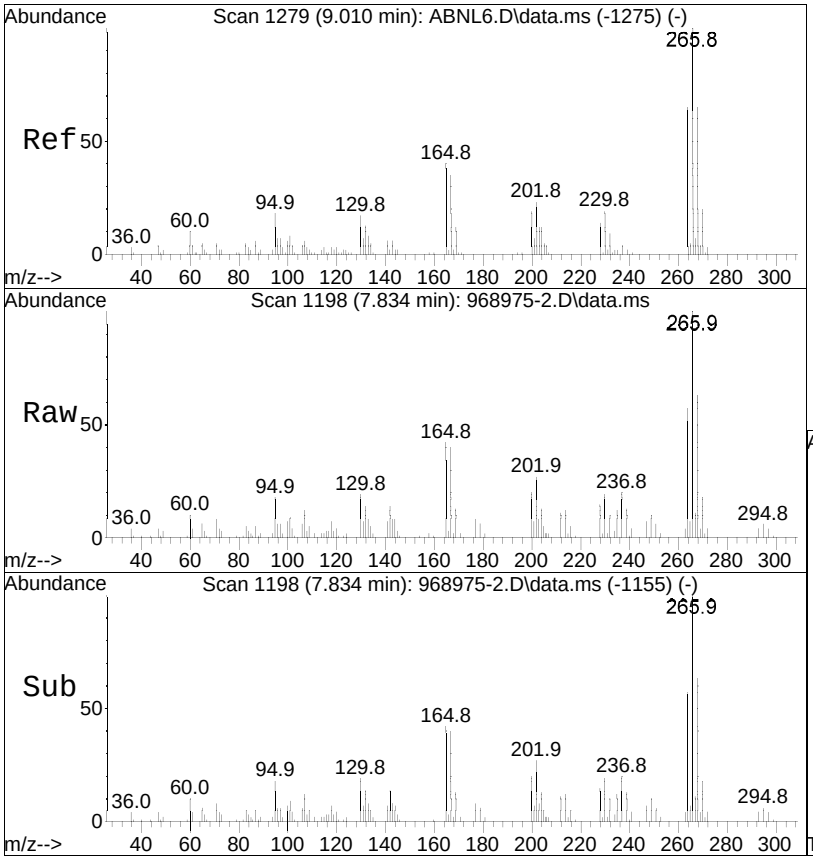


#81
Hexachlorobenzene
Concen: 1.30 ug/ml
RT: 7.628 min Scan# 1163
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:284 Resp: 14517

Ion	Ratio	Lower	Upper
284	100		
142	30.4	37.6	56.4#
249	31.3	25.4	38.2

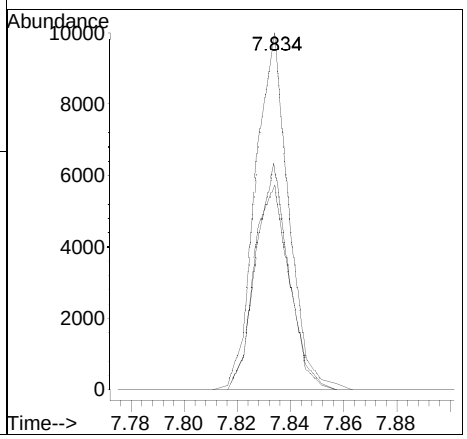


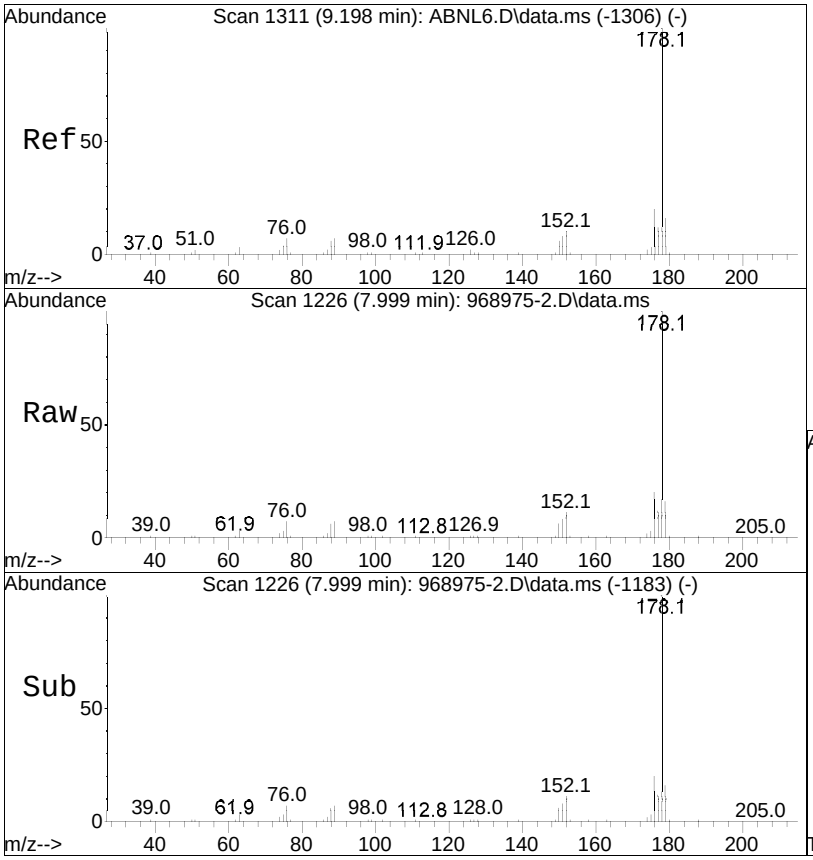


#82
Pentachlorophenol
Concen: 1.51 ug/ml
RT: 7.834 min Scan# 1198
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:266 Resp: 8650

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.7	76.1
268	62.4	52.5	78.7

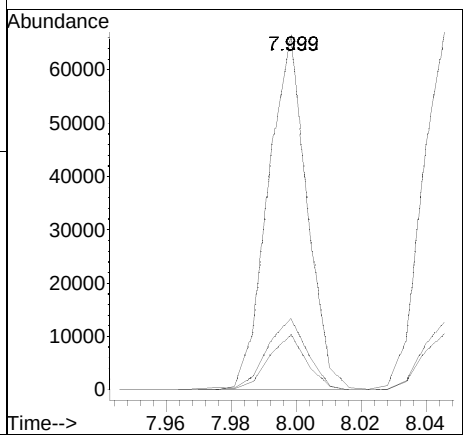


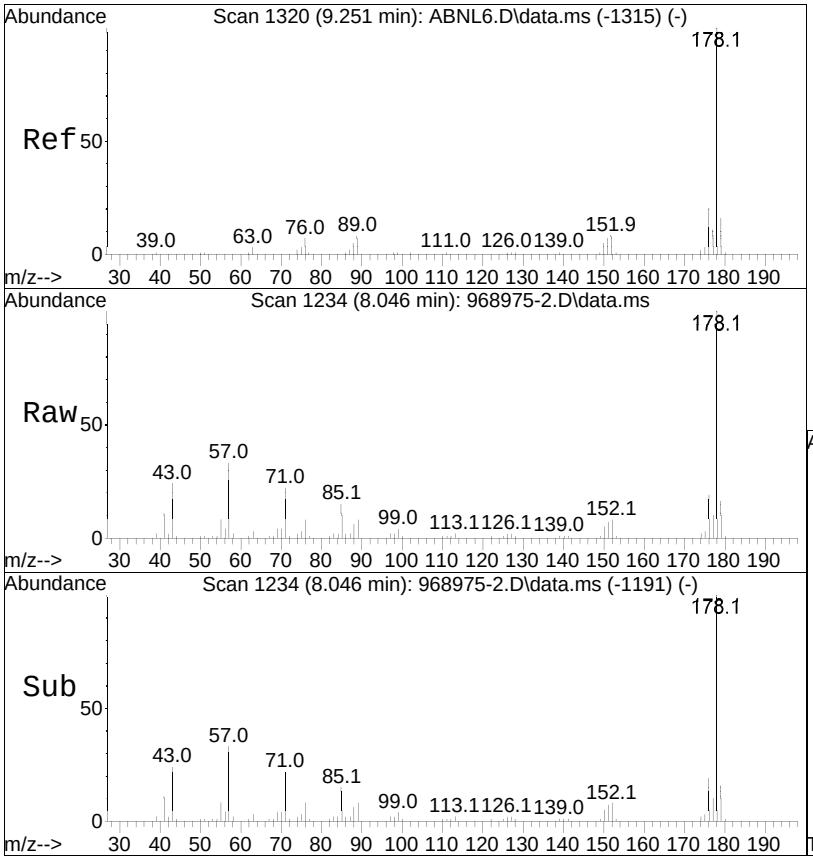


#89
Phenanthrene
Concen: 1.34 ug/ml
RT: 7.999 min Scan# 1226
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:178 Resp: 55345

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	21.2	15.4	23.2

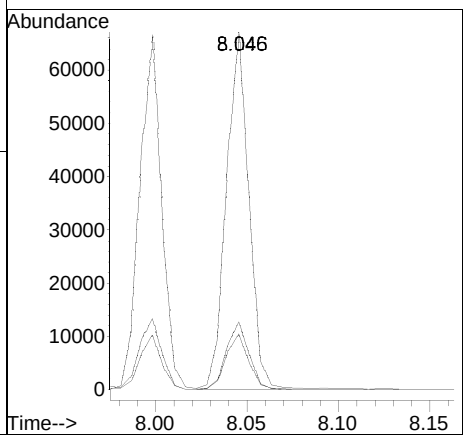


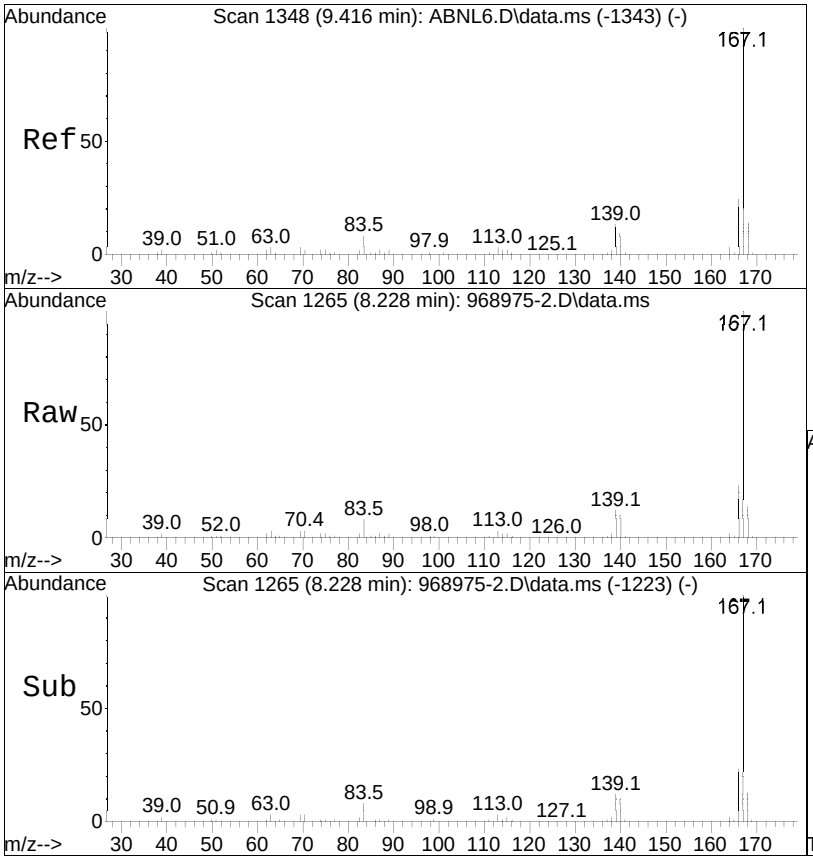


#90
Anthracene
Concen: 1.42 ug/ml
RT: 8.046 min Scan# 1234
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:178 Resp: 57420

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.0	15.1	22.7

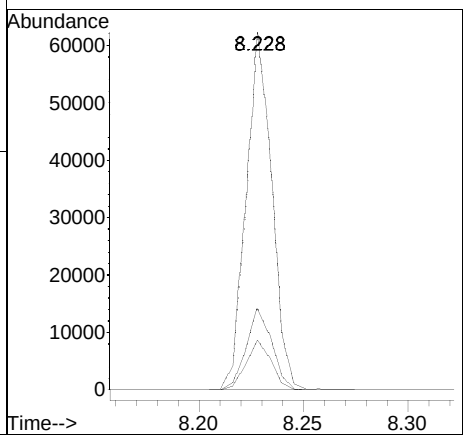


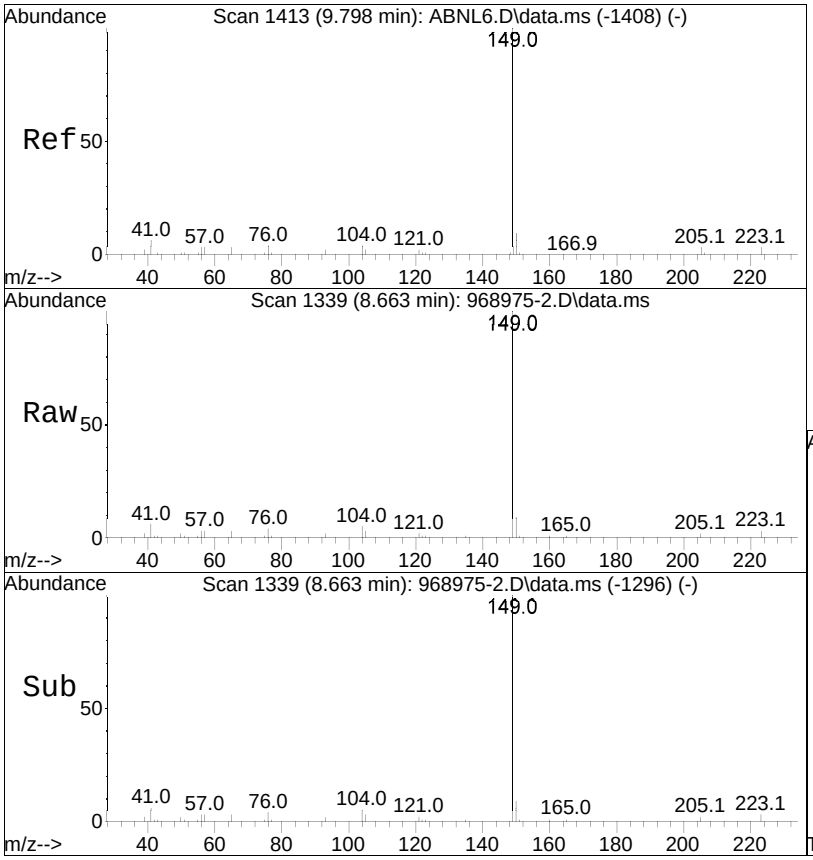


#91
Carbazole
Concen: 1.43 ug/ml
RT: 8.228 min Scan# 1265
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:167 Resp: 52768

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	22.9	17.7	26.5

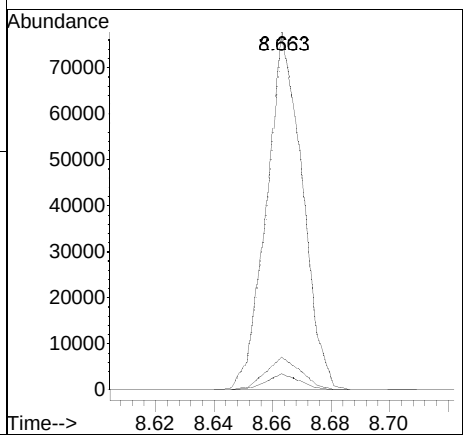


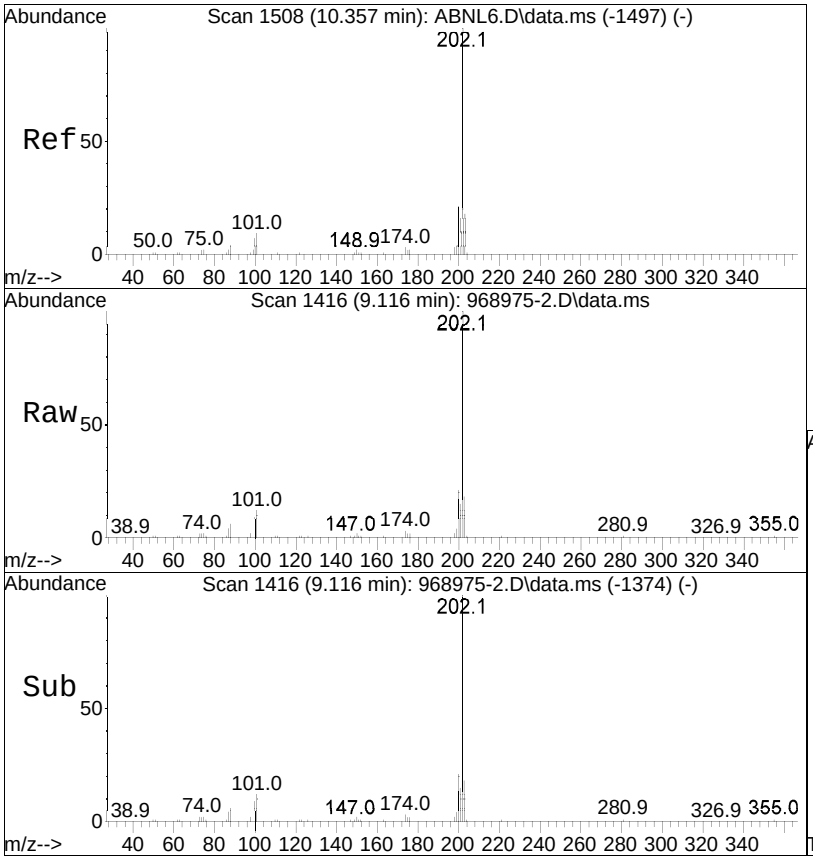


#92
Di-n-butylphthalate
Concen: 1.62 ug/ml
RT: 8.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:149 Resp: 65191

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.4	4.0	6.0

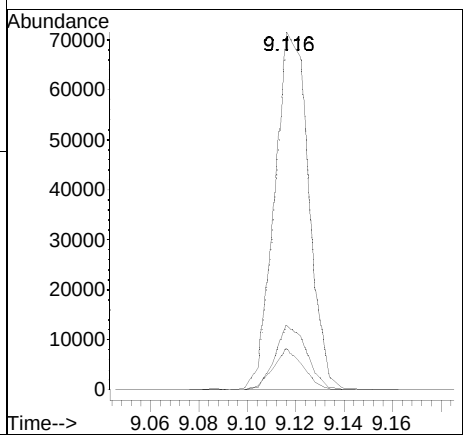


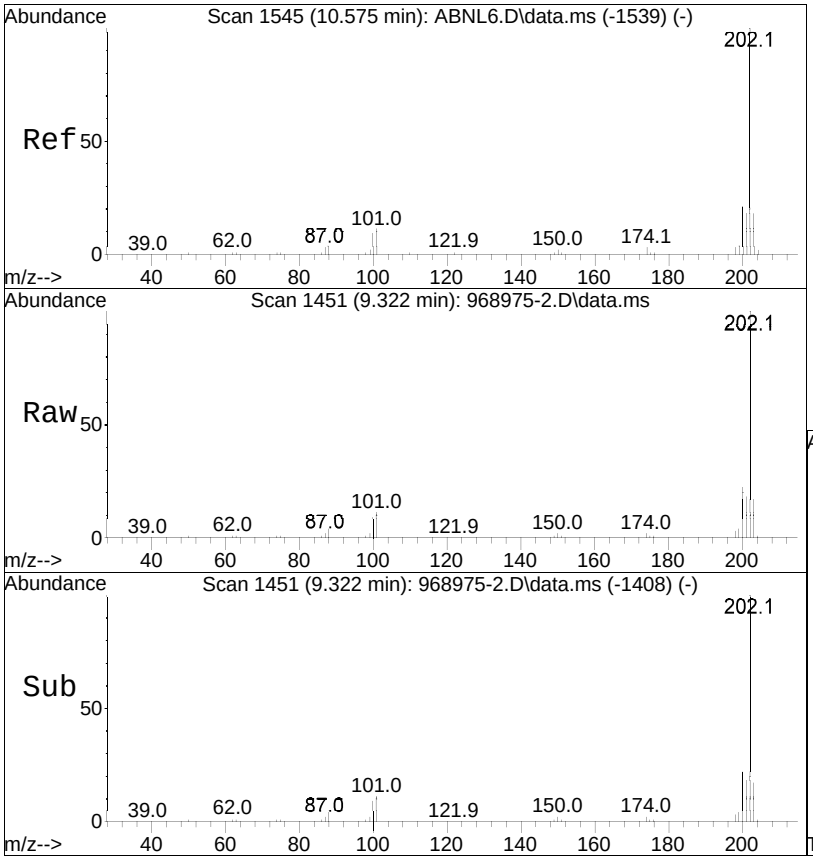


#93
Fluoranthene
Concen: 1.45 ug/ml M3
RT: 9.116 min Scan# 1416
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:202 Resp: 69506

Ion	Ratio	Lower	Upper
202	100		
101	13.0	11.2	16.8
203	18.9	13.7	20.5

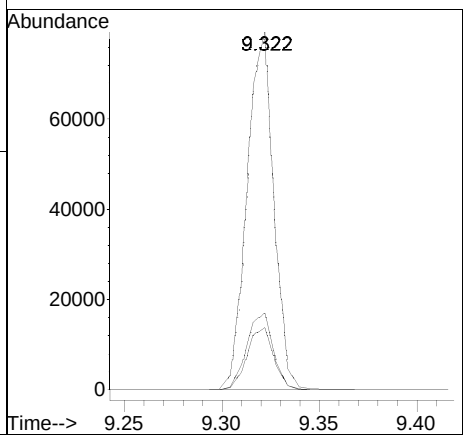


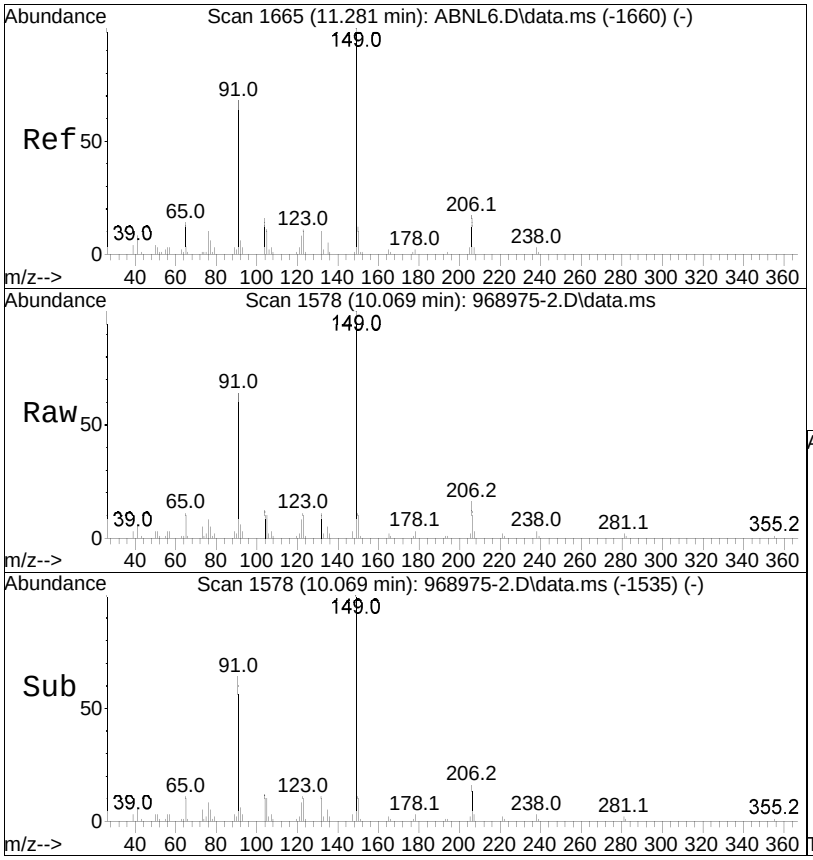


#95
Pyrene
Concen: 1.47 ug/ml
RT: 9.322 min Scan# 1451
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:202 Resp: 74678

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.6	14.3	21.5

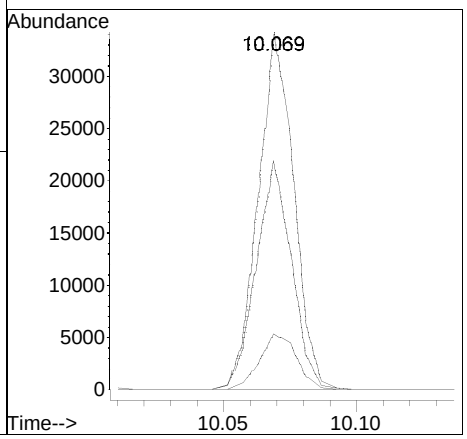


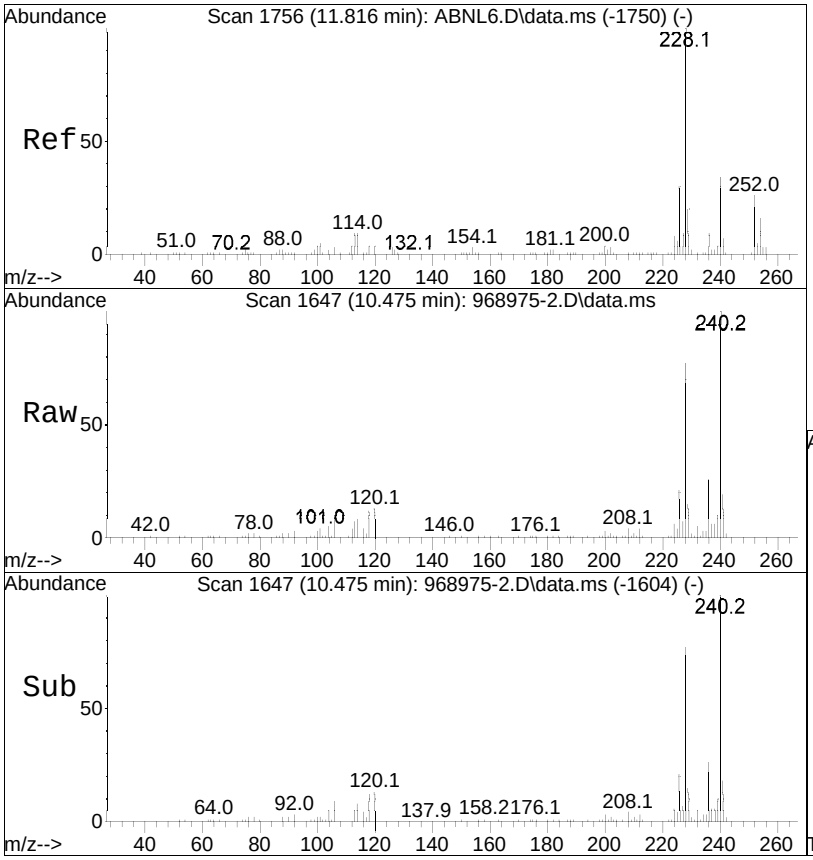


#97
Butyl benzyl phthalate
Concen: 1.77 ug/ml
RT: 10.069 min Scan# 1578
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:149 Resp: 31450

Ion	Ratio	Lower	Upper
149	100		
91	63.5	57.9	86.9
206	16.3	11.9	17.9

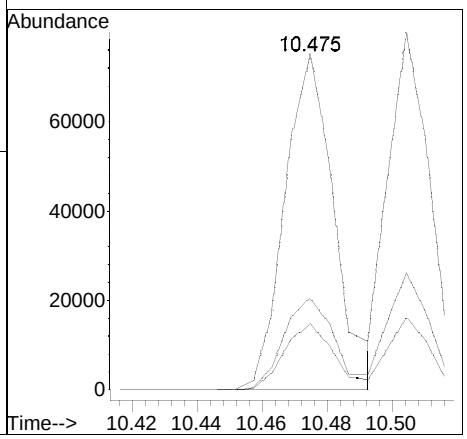


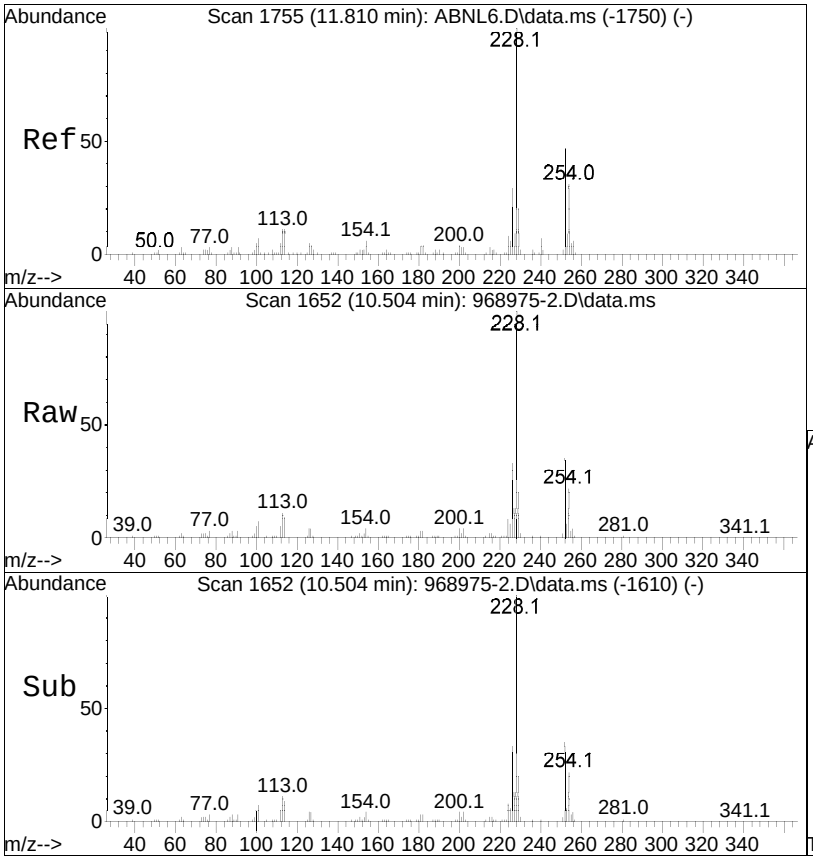


#105
Benzo(a)anthracene
Concen: 1.33 ug/ml
RT: 10.475 min Scan# 1647
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:228 Resp: 79482

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	34.0
229	20.2	15.8	23.6

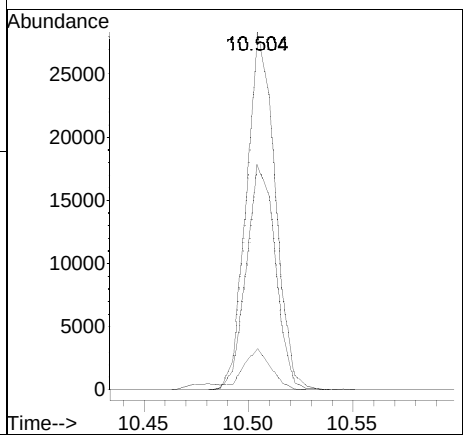


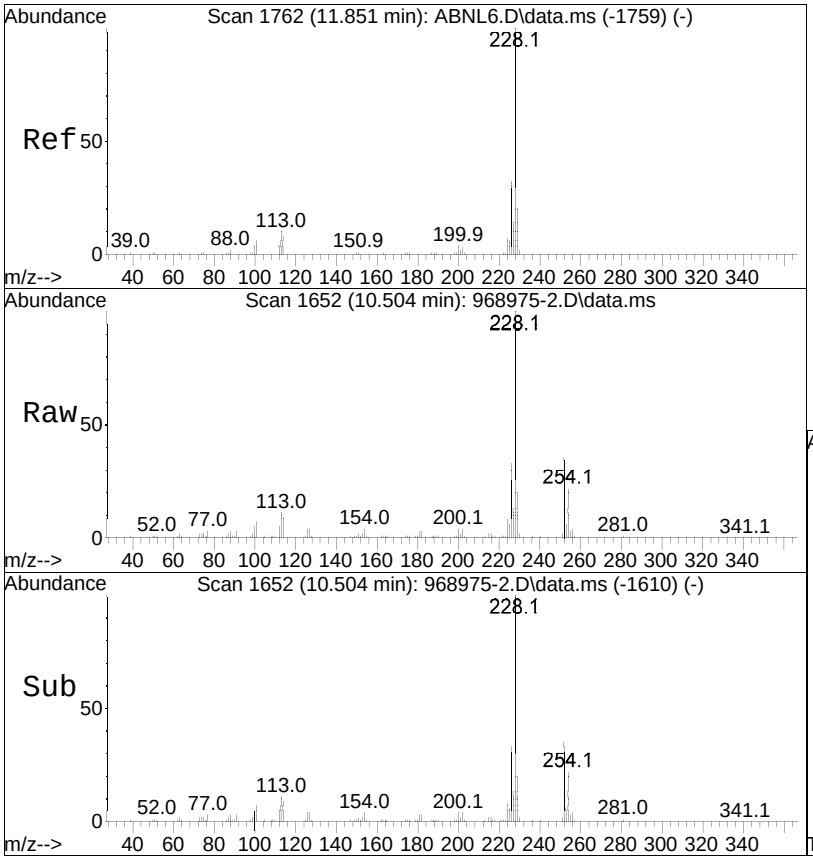


#106
3,3'-Dichlorobenzidine
Concen: 1.24 ug/ml
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:252 Resp: 26871

Ion	Ratio	Lower	Upper
252	100		
126	13.2	12.6	19.0
254	63.9	51.1	76.7

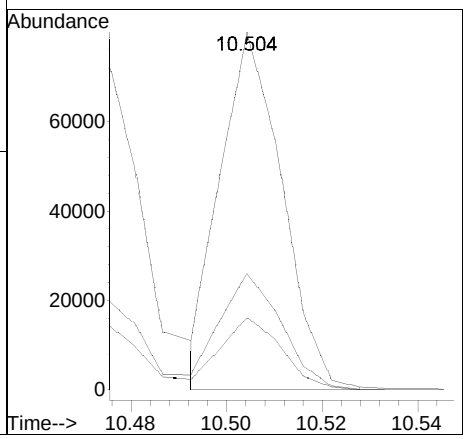


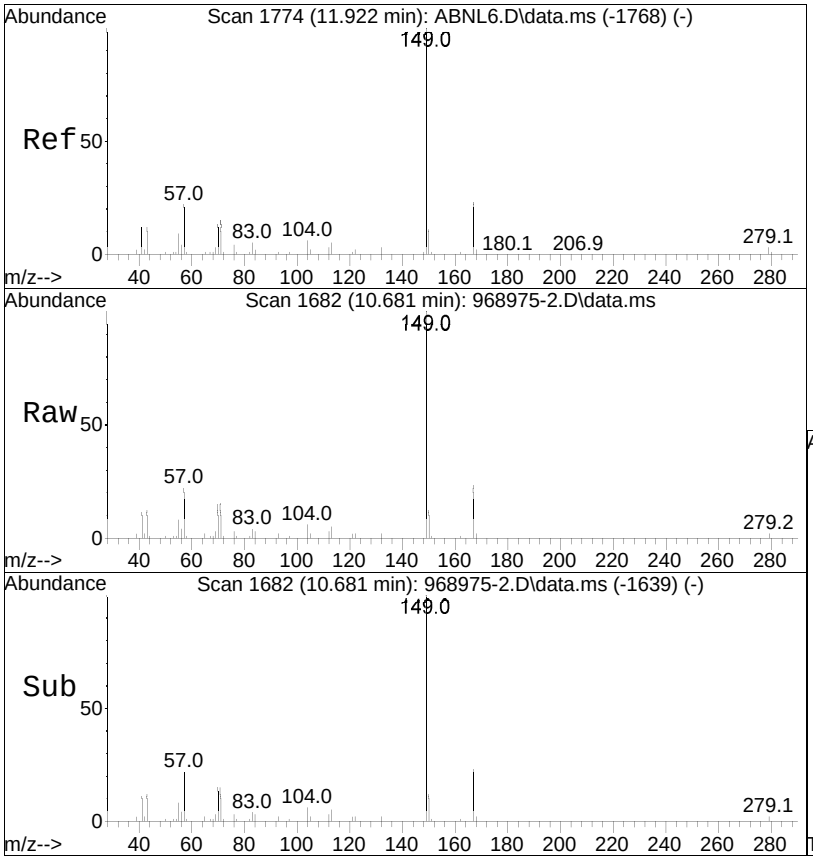


#107
Chrysene
Concen: 1.22 ug/ml M3
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:228 Resp: 71502

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	22.4	15.5	23.3

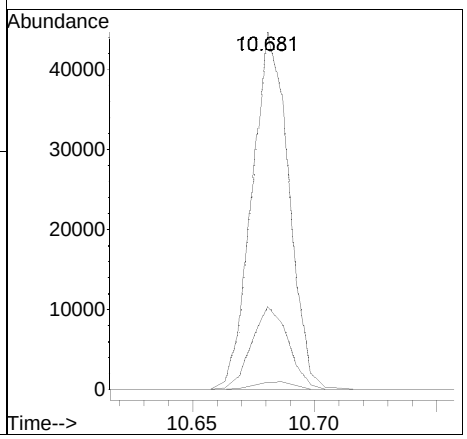


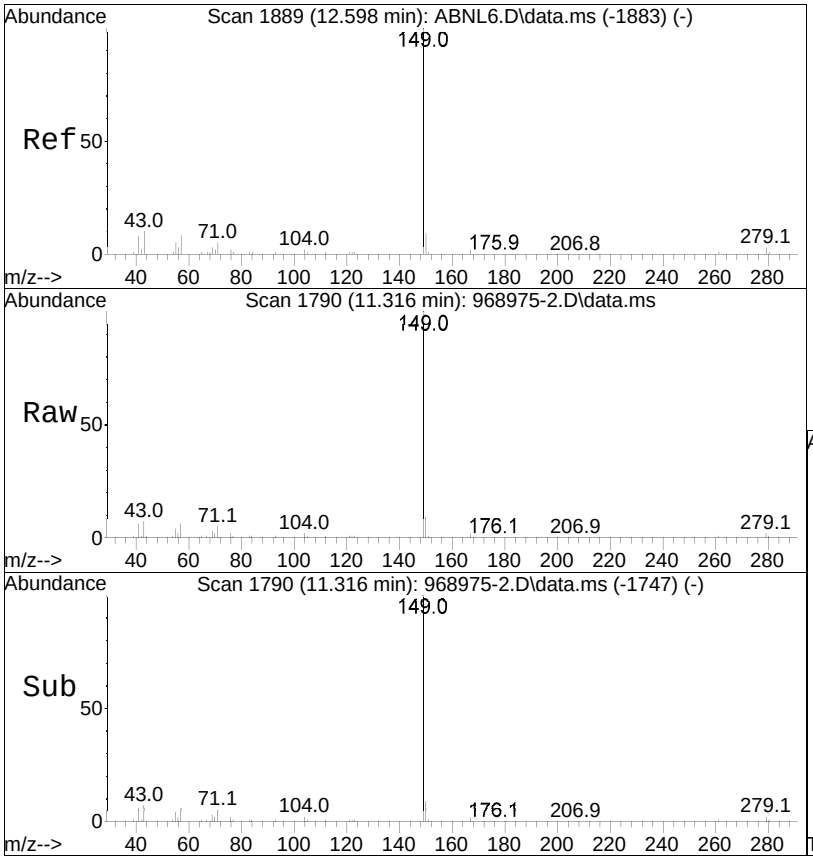


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.56 ug/ml
RT: 10.681 min Scan# 1682
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:149 Resp: 46424

Ion	Ratio	Lower	Upper
149	100		
167	23.3	18.4	27.6
279	2.1	1.7	2.5

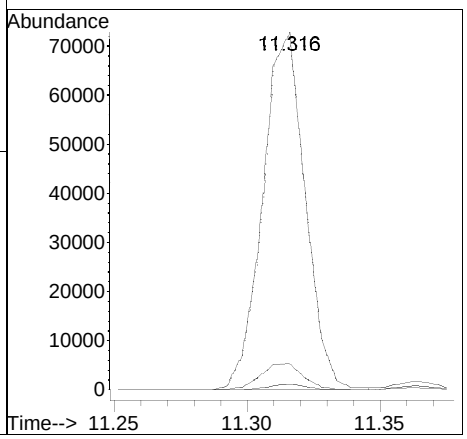


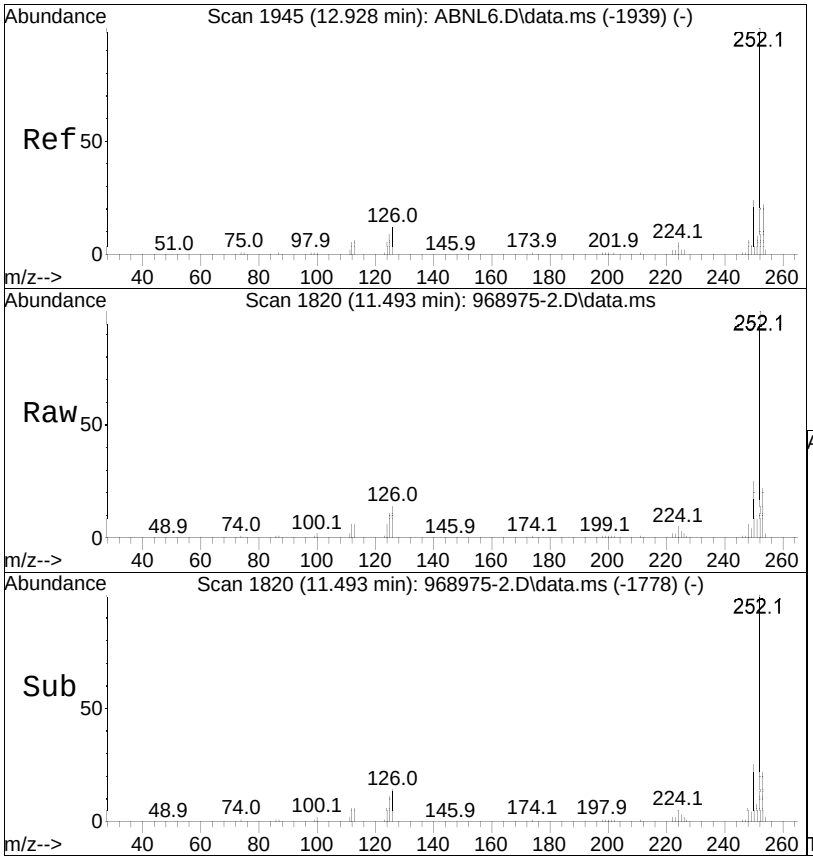


#109
Di-n-octylphthalate
Concen: 1.75 ug/ml
RT: 11.316 min Scan# 1790
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:149 Resp: 79752

Ion	Ratio	Lower	Upper
149	100		
43	7.5	8.2	12.2#
167	1.4	1.1	1.7

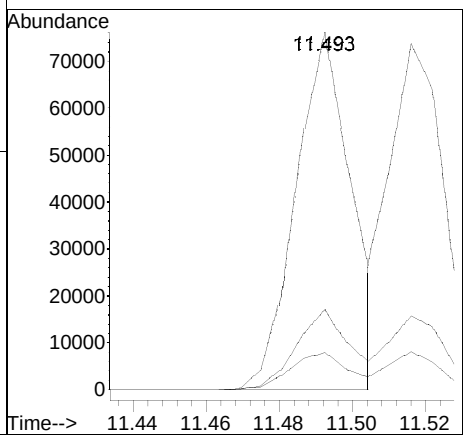


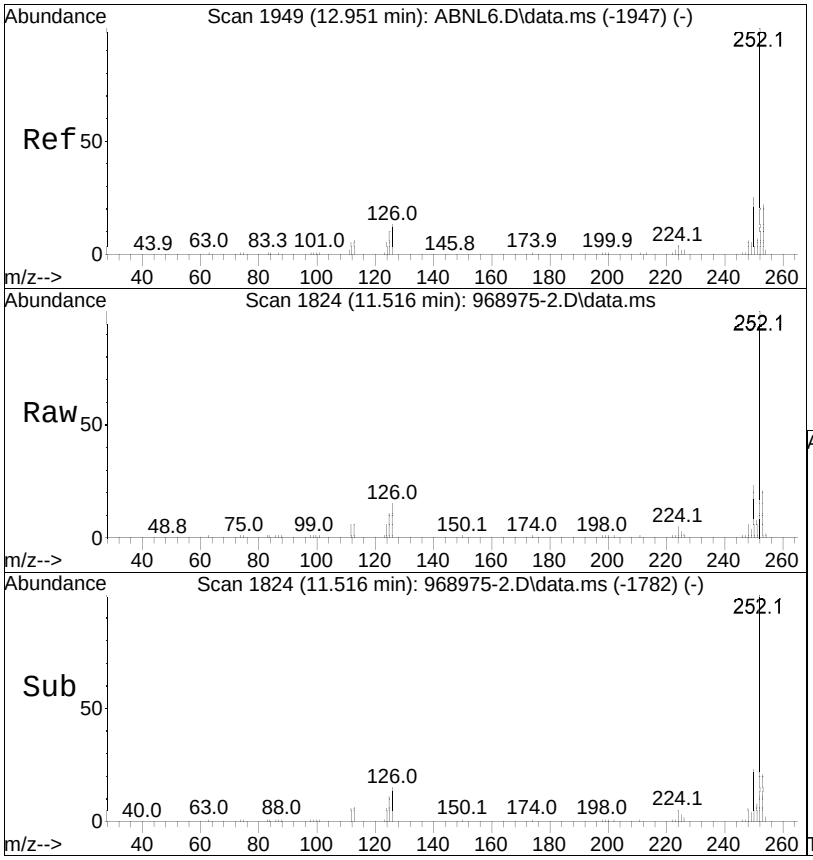


#110
Benzo(b)fluoranthene
Concen: 1.33 ug/ml
RT: 11.493 min Scan# 1820
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:252 Resp: 81452

Ion	Ratio	Lower	Upper
252	100		
125	11.2	11.3	16.9#
253	21.9	17.8	26.8

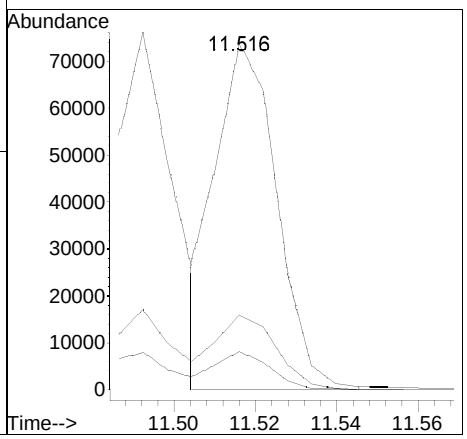


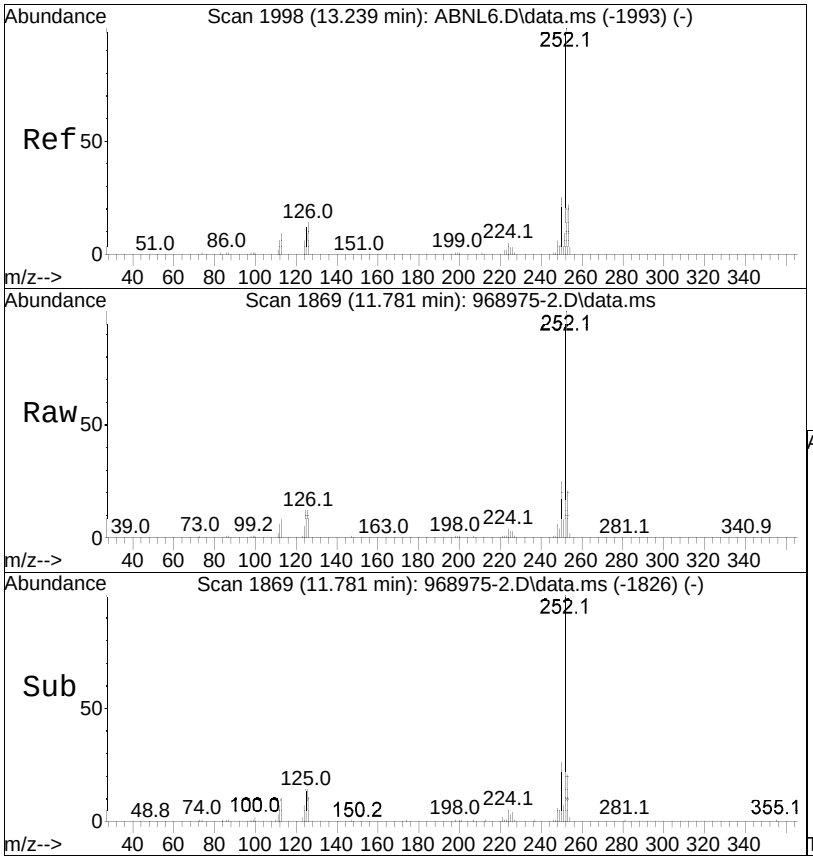


#111
Benzo(k)fluoranthene
Concen: 1.37 ug/ml M3
RT: 11.516 min Scan# 1824
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:252 Resp: 76617

Ion	Ratio	Lower	Upper
252	100		
125	14.6	11.5	17.3
253	21.1	17.6	26.4

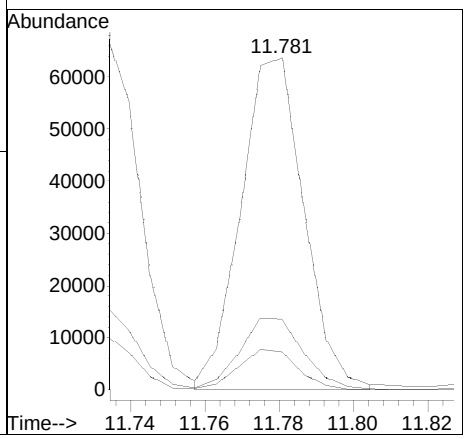


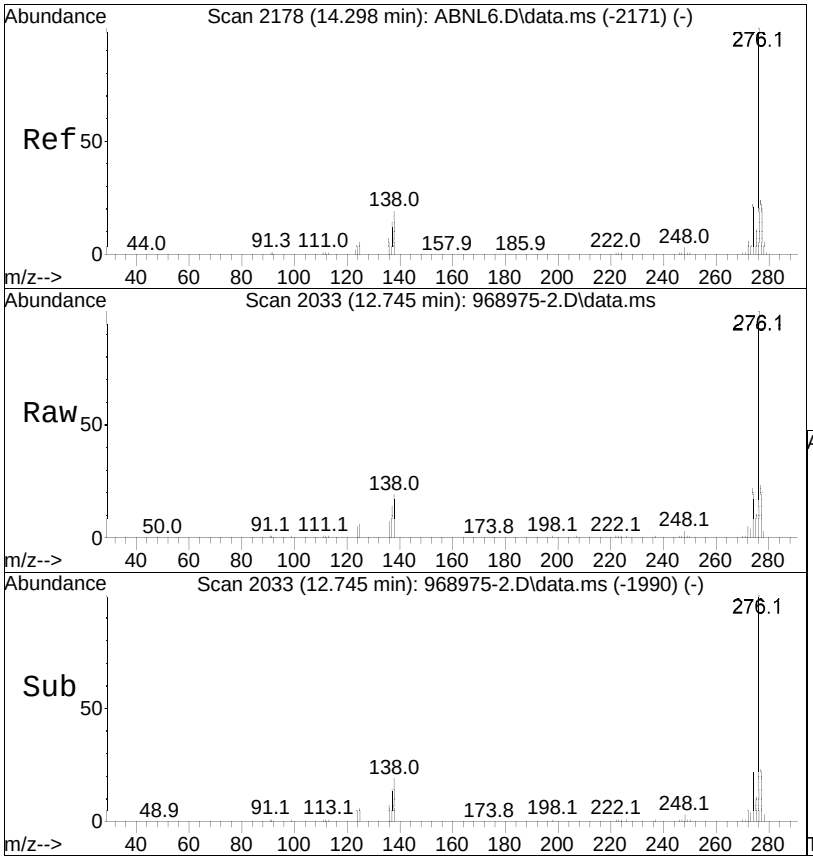


#112
Benzo(a)pyrene
Concen: 1.40 ug/ml M3
RT: 11.781 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:252 Resp: 74980

Ion	Ratio	Lower	Upper
252	100		
125	15.3	12.6	18.8
253	22.2	17.5	26.3

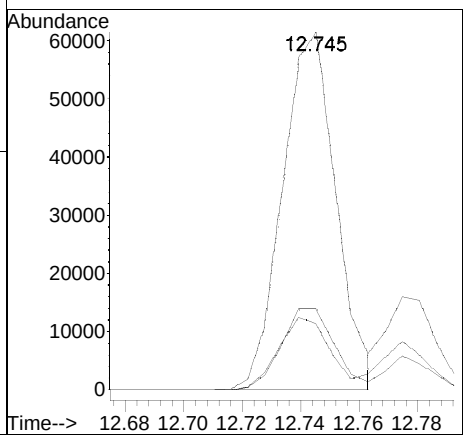


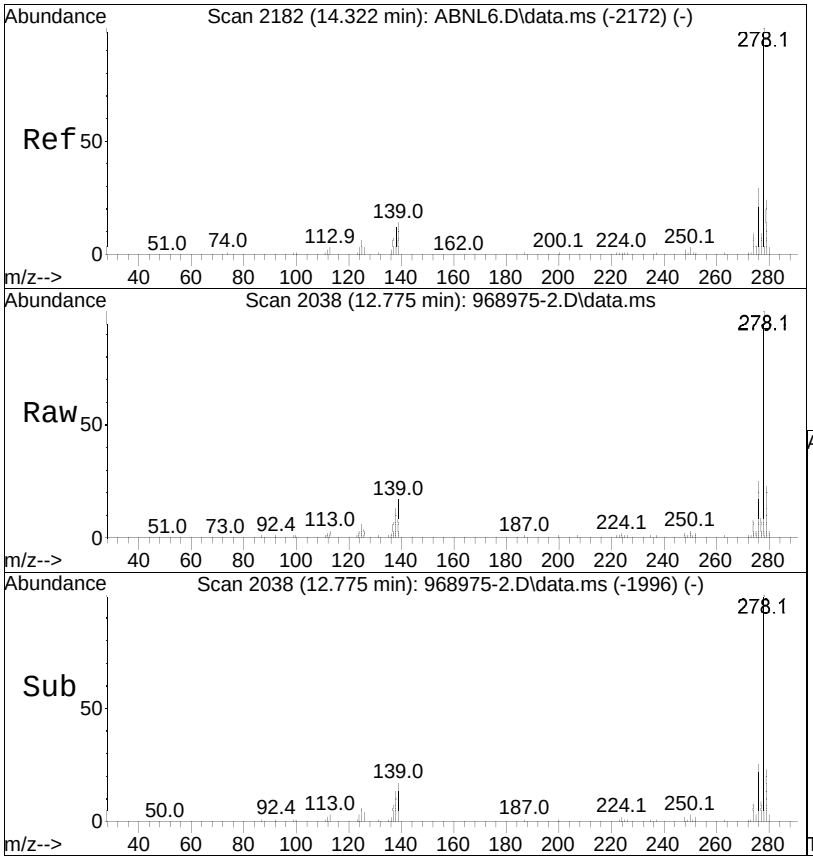


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.29 ug/mL
RT: 12.745 min Scan# 2033
Delta R.T. 0.000 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:276 Resp: 77913

Ion	Ratio	Lower	Upper
276	100		
138	19.5	22.1	33.1#
277	22.9	19.0	28.6

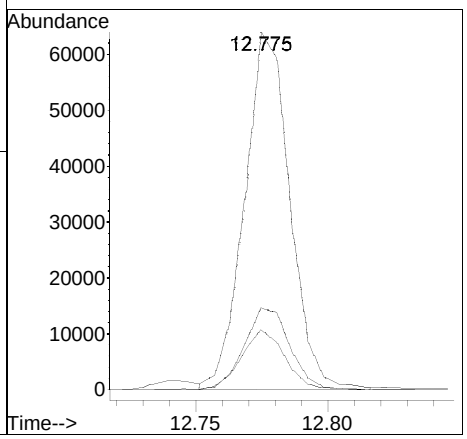


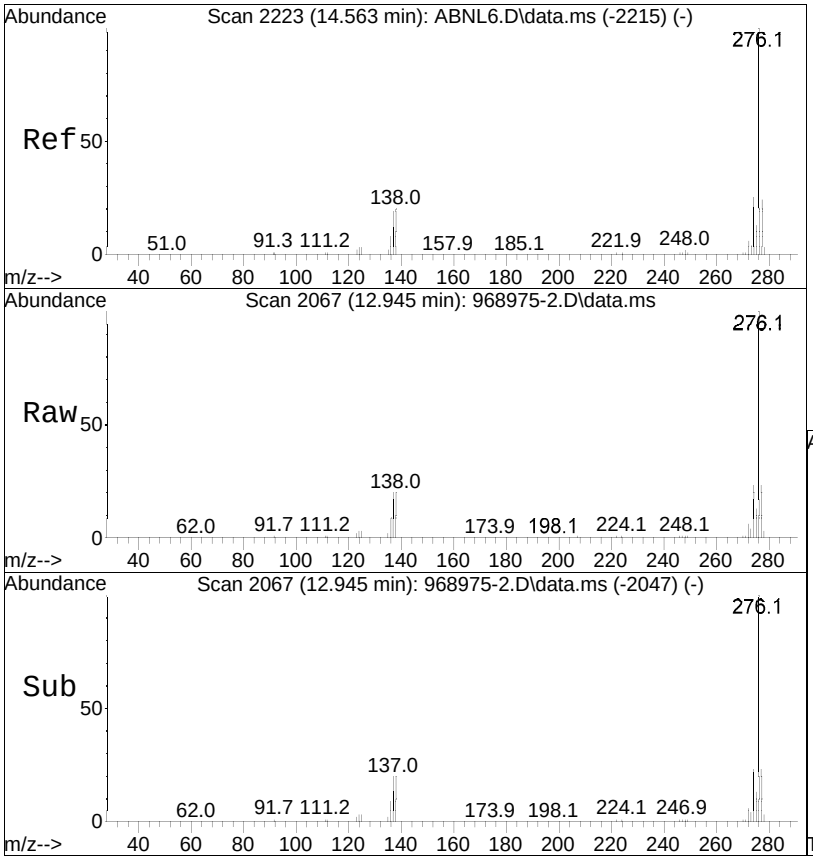


#115
Dibenzo(a,h)anthracene
Concen: 1.31 ug/ml M6
RT: 12.775 min Scan# 2038
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:278 Resp: 75613

Ion	Ratio	Lower	Upper
278	100		
139	16.4	17.8	26.8#
279	23.7	19.2	28.8

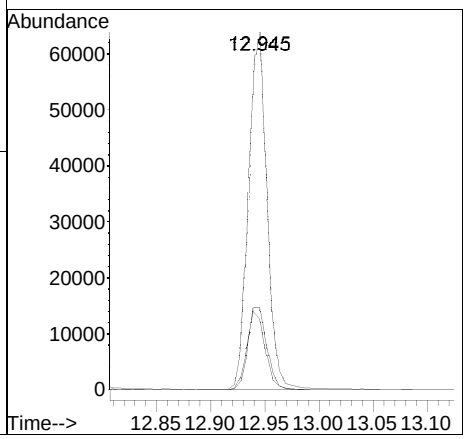




#116
Benzo(ghi)perylene
Concen: 1.30 ug/ml
RT: 12.945 min Scan# 2067
Delta R.T. -0.006 min
Lab File: 968975-2.D
Acq: 09 Sep 2024 04:01 pm

Tgt Ion:276 Resp: 75822

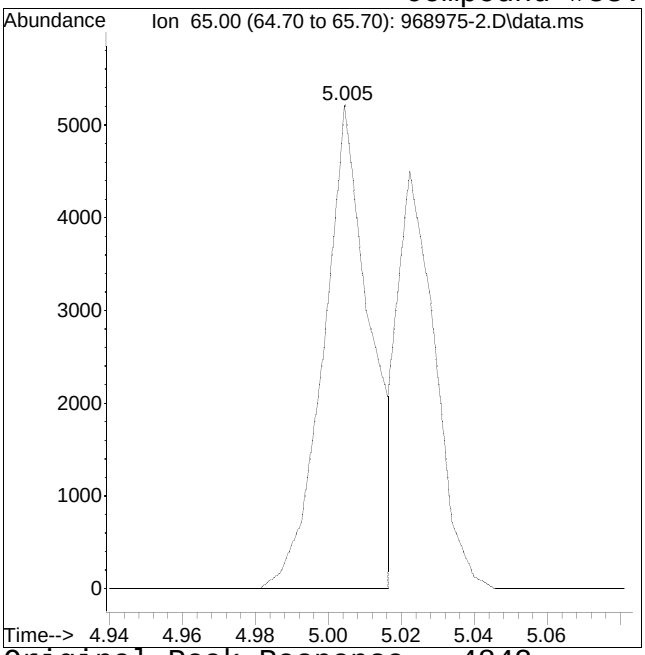
Ion	Ratio	Lower	Upper
276	100		
138	21.7	21.9	32.9#
277	23.6	18.4	27.6

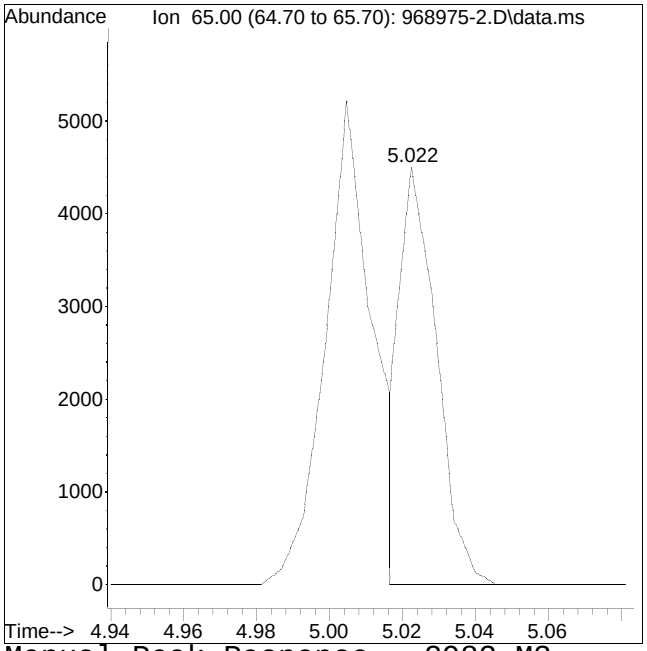


Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-2.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:01 pm Instrument : SV112
Sample : WG1968975-2,32,,HNY Quant Date : 9/9/2024 4:19 pm

Compound #38: 4-Chloroaniline





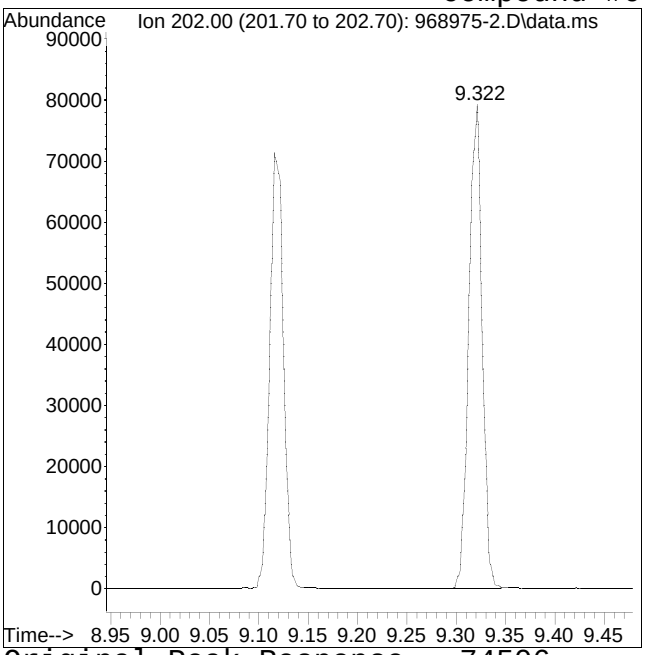
Original Peak Response = 4842 Manual Peak Response = 2983 M3

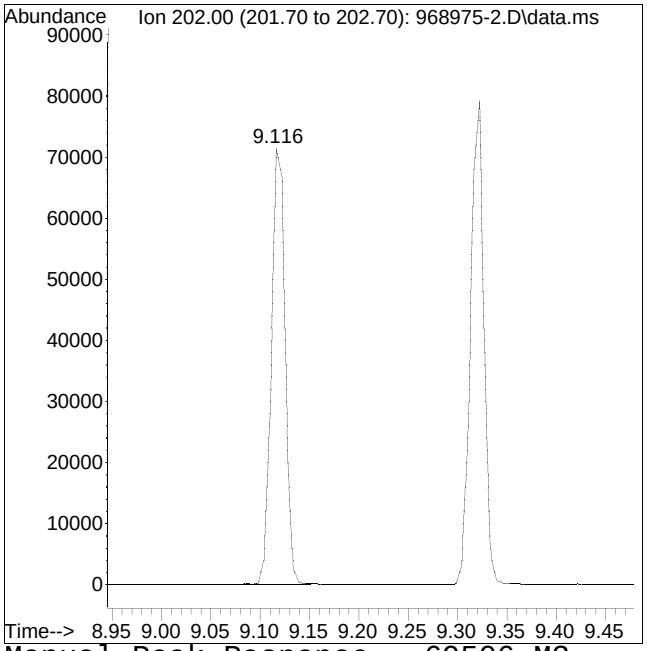
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-2.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:01 pm Instrument : SV112
Sample : WG1968975-2,32,,HNY Quant Date : 9/9/2024 4:19 pm

Compound #93: Fluoranthene





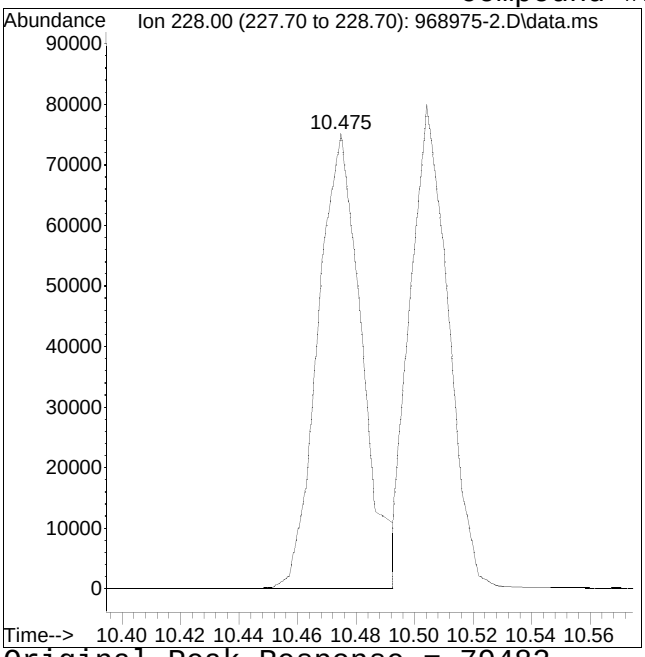
Original Peak Response = 74506 Manual Peak Response = 69506 M3

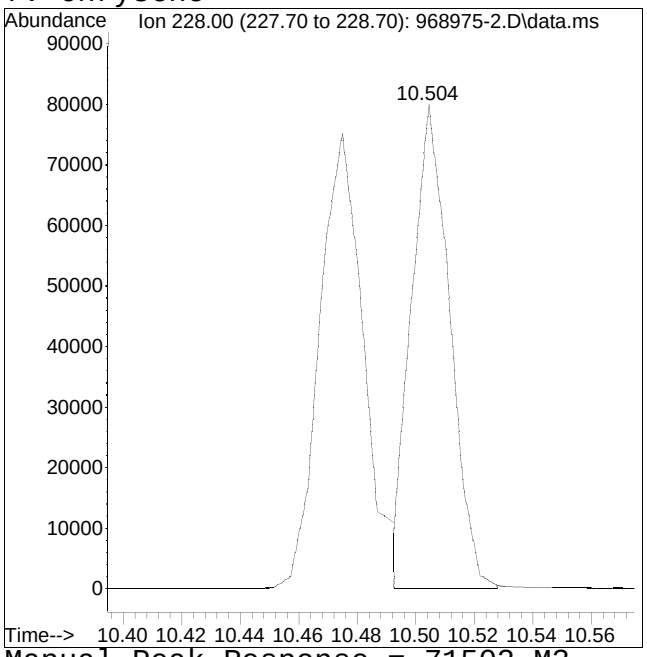
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-2.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:01 pm Instrument : SV112
Sample : WG1968975-2,32,,HNY Quant Date : 9/9/2024 4:19 pm

Compound #107: Chrysene





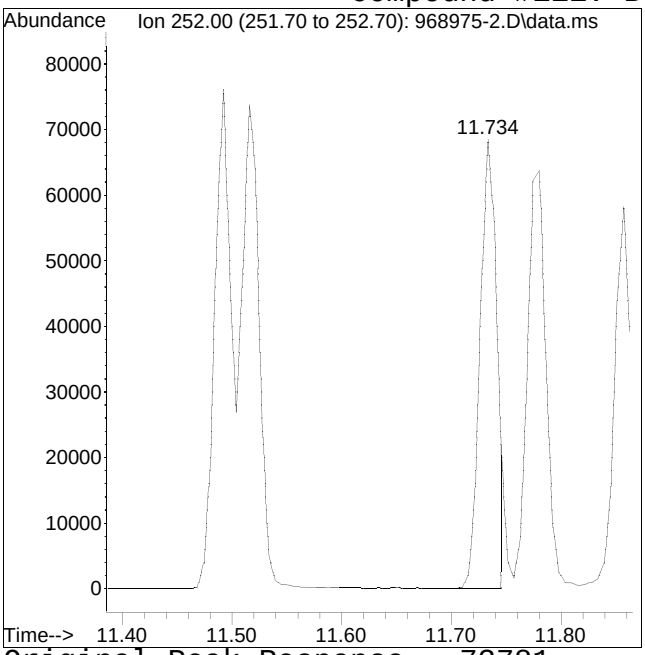
Original Peak Response = 79482 Manual Peak Response = 71502 M3

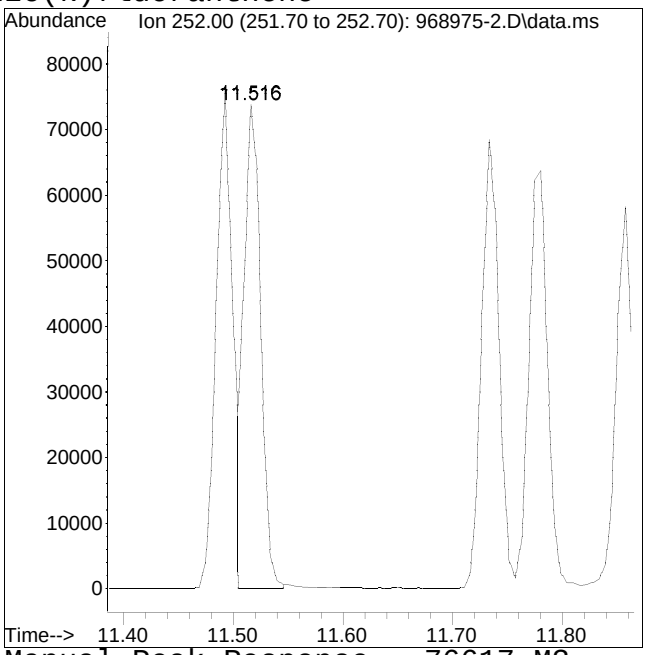
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-2.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:01 pm Instrument : SV112
Sample : WG1968975-2,32,,HNY Quant Date : 9/9/2024 4:19 pm

Compound #111: Benzo(k)fluoranthene





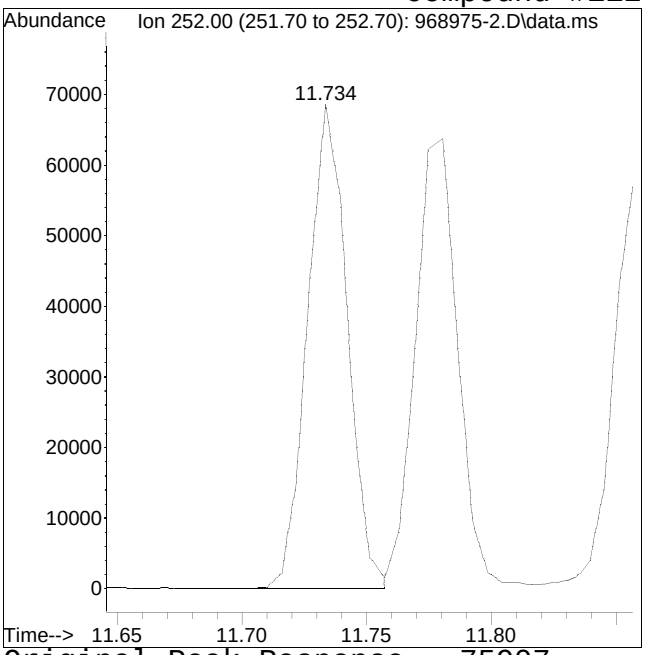
Original Peak Response = 73781 Manual Peak Response = 76617 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

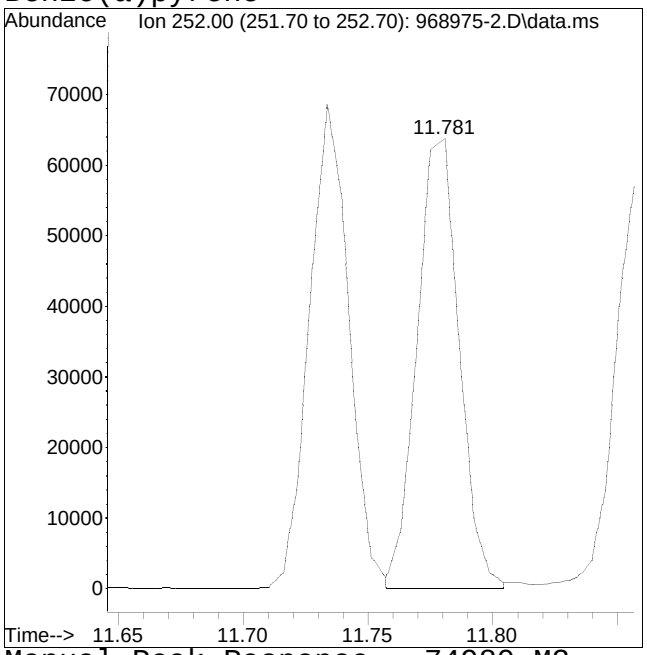
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Date Inj'd : 9/9/2024 4:01 pm
Sample : WG1968975-2,32,,HNY

QMethod : FS240625SV112RVT.m
Operator : SV112:smz
Instrument : SV112
Quant Date : 9/9/2024 4:19 pm

Compound #112: Benzo(a)pyrene





Original Peak Response = 75907 Manual Peak Response = 74980 M3

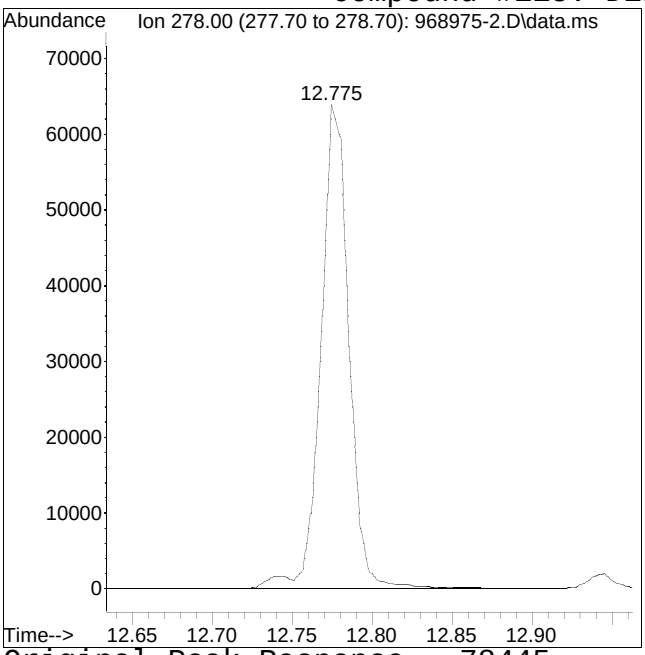
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

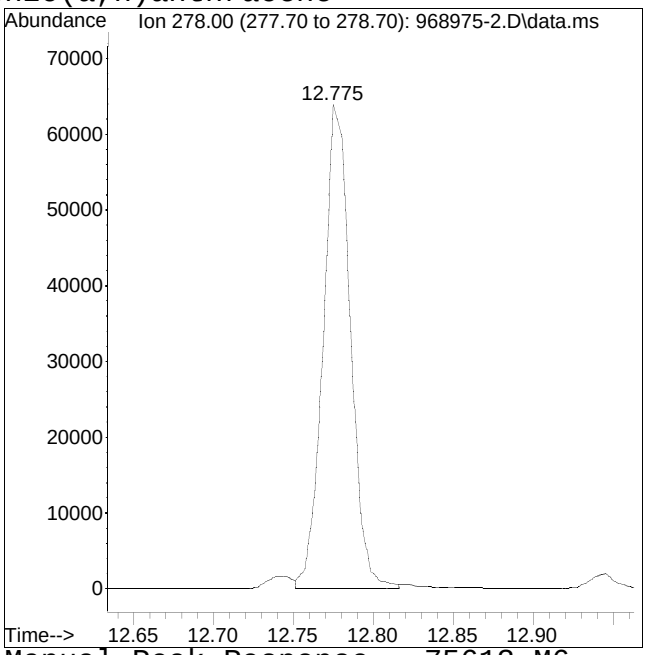
Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-2.D
Date Inj'd : 9/9/2024 4:01 pm
Sample : WG1968975-2,32,,HNY

QMethod : FS240625SV112RVT.m
Operator : SV112:smz
Instrument : SV112
Quant Date : 9/9/2024 4:19 pm

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 78445



Manual Peak Response = 75613 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-2.D
Acq On : 10 Sep 2024 3:15 am
Operator : SV106:smz
Sample : WG1968879-2,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:06:36 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	5.913	152	27982	4.000	ug/ml	# 0.00
Standard Area 1 = 29408			Recovery = 95.15%			
27) IS2_1,4-Dichlorobenzen...	5.913	152	27982	4.000	ug/ml	# 0.00
Standard Area 3 = 35778			Recovery = 78.21%			
32) IS3_1,4-Dichlorobenzen...	5.913	152	27982	4.000	ug/ml	# 0.00
Standard Area 2 = 36164			Recovery = 77.38%			
35) IS1_Naphthalene-d8	7.395	136	100925	4.000	ug/ml	# 0.00
Standard Area 1 = 103126			Recovery = 97.87%			
55) IS2_Naphthalene-d8	7.395	136	100925	4.000	ug/ml	# 0.00
Standard Area 3 = 126202			Recovery = 79.97%			
63) IS1_Acenaphthene-d10	9.166	164	66750	4.000	ug/ml	0.00
Standard Area 1 = 67620			Recovery = 98.71%			
83) IS2_Acenaphthene-d10	9.166	164	66750	4.000	ug/ml	0.00
Standard Area 3 = 83428			Recovery = 80.01%			
86) IS3_Acenaphthene-d10	9.166	164	66750	4.000	ug/ml	0.00
Standard Area 2 = 81551			Recovery = 81.85%			
88) IS1_Phenanthrene-d10	10.589	188	125376	4.000	ug/ml	0.00
Standard Area 1 = 136945			Recovery = 91.55%			
100) IS3_Phenanthrene-d10	10.589	188	125376	4.000	ug/ml	0.00
Standard Area 2 = 173380			Recovery = 72.31%			
104) IS1_Chrysene-d12	13.171	240	133018	4.000	ug/ml	# 0.00
Standard Area 1 = 143932			Recovery = 92.42%			
113) IS1_Perylene-d12	14.595	264	147455	4.000	ug/ml	0.00
Standard Area 1 = 167404			Recovery = 88.08%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.484	112	9030	1.117	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 55.85%			
7) Phenol-d6	5.548	99	9299	0.840	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.00%			
19) Nitrobenzene-d5	6.613	82	9169	0.810	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.00%			
46) 2-Fluorobiphenyl	8.536	172	16979	0.655	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.50%			
79) 2,4,6-Tribromophenol	9.930	330	6136	1.475	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 73.75%			

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-2.D
Acq On : 10 Sep 2024 3:15 am
Operator : SV106:smz
Sample : WG1968879-2,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:06:36 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.165	244	25639	0.761	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 76.10%

Target Compounds						Qvalue
6) 2-Chlorophenol	5.625	128	12713	1.411	ug/ml	100
8) Phenol	5.566	94	10416	0.907	ug/ml#	91
9) Bis(2-chloroethyl)ether	5.631	93	13733	1.456	ug/ml#	77
10) 1,3-Dichlorobenzene	5.825	146	12813	1.184	ug/ml	97
11) 1,4-Dichlorobenzene	5.931	146	13672	1.249	ug/ml	95
12) 1,2-Dichlorobenzene	6.125	146	13137	1.234	ug/ml	96
13) Benzyl alcohol	6.160	79	13041	1.471	ug/ml	93
14) Bis(2-chloroisopropyl)...	6.348	45	17930	1.183	ug/ml#	38
15) 2-Methylphenol	6.354	108	12626	1.526	ug/ml	94
16) Hexachloroethane	6.531	117	5618	1.290	ug/ml#	59
17) n-Nitrosodi-n-propylamine	6.501	70	12197	1.650	ug/ml#	86
18) 3-Methylphenol/4-Methy...	6.548	108	13739	1.536	ug/ml#	59
20) Nitrobenzene	6.636	77	17994	1.565	ug/ml#	86
21) Isophorone	6.931	82	32394	1.678	ug/ml#	90
22) 2-Nitrophenol	7.007	139	7320	1.513	ug/ml#	82
23) 2,4-Dimethylphenol	7.136	107	10069	1.106	ug/ml	91
24) Bis(2-chloroethoxy)met...	7.225	93	19559	1.573	ug/ml#	97
25) 2,4-Dichlorophenol	7.283	162	13604	1.577	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.354	180	13986	1.324	ug/ml	97
29) Acetophenone	6.454	105	23747	1.573	ug/ml#	82
36) Naphthalene	7.419	128	36368	1.257	ug/ml	99
37) Benzoic Acid	7.201	105	691	0.460	ug/ml#	72
38) 4-Chloroaniline	7.519	65	5903	1.384	ug/ml	84
39) Hexachlorobutadiene	7.601	225	9422	1.234	ug/ml	95
40) p-Chloro-m-cresol	8.066	107	14929	1.727	ug/ml	86
41) 2-Methylnaphthalene	8.142	142	26505	1.375	ug/ml#	95
43) Hexachlorocyclopentadiene	8.330	237	6805	0.803	ug/ml	98
44) 2,4,6-Trichlorophenol	8.454	196	12083	1.593	ug/ml	97
45) 2,4,5-Trichlorophenol	8.477	196	12457	1.534	ug/ml	98
47) 2-Chloronaphthalene	8.619	162	28950	1.412	ug/ml	96
48) 2-Nitroaniline	8.748	138	9934	1.608	ug/ml	93
51) Dimethyl phthalate	8.960	163	39660	1.589	ug/ml#	98
52) Acenaphthylene	9.019	152	44569	1.420	ug/ml	98

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-2.D
Acq On : 10 Sep 2024 3:15 am
Operator : SV106:smz
Sample : WG1968879-2,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:06:36 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	8.995	165	8292	1.543 ug/ml	91
61) 1,2,4,5-Tetrachloroben...	8.325	216	18126	1.310 ug/ml#	94
62) Biphenyl	8.625	154	36295	1.327 ug/ml	97
64) 3-Nitroaniline	9.148	138	7632	1.432 ug/ml#	64
65) Acenaphthene	9.195	154	27733	1.442 ug/ml	91
66) 2,4-Dinitrophenol	9.254	184	3852	1.082 ug/ml	98
67) Dibenzofuran	9.366	168	45579	1.411 ug/ml#	81
68) 2,4-Dinitrotoluene	9.383	165	10755	1.357 ug/ml#	81
69) 4-Nitrophenol	9.354	65	6550	1.214 ug/ml#	1
72) Diethyl phthalate	9.654	149	40100	1.571 ug/ml	96
73) Fluorene	9.695	166	37401	1.472 ug/ml	96
74) 4-Chlorophenyl phenyl ...	9.724	204	20368	1.523 ug/ml	88
75) 4-Nitroaniline	9.730	138	7433	1.340 ug/ml#	77
76) 4,6-Dinitro-o-cresol	9.771	198	6818	1.535 ug/ml#	72
77) NDPA/DPA	9.842	169	31801	1.509 ug/ml	99
80) 4-Bromophenyl phenyl e...	10.189	248	13017	1.560 ug/ml#	84
81) Hexachlorobenzene	10.230	284	15842	1.669 ug/ml#	83
82) Pentachlorophenol	10.430	266	8852	1.469 ug/ml	96
89) Phenanthrene	10.613	178	60430	1.726 ug/ml	96
90) Anthracene	10.660	178	58943	1.693 ug/ml	99
91) Carbazole	10.836	167	49297	1.545 ug/ml	97
92) Di-n-butylphthalate	11.242	149	64863	1.731 ug/ml	98
93) Fluoranthene	11.754	202	69402	1.621 ug/ml#	90
95) Pyrene	11.965	202	75501	1.673 ug/ml	98
97) Butyl benzyl phthalate	12.689	149	28328	1.643 ug/ml	99
105) Benzo(a)anthracene	13.160	228	72732	1.480 ug/ml	99
106) 3,3'-Dichlorobenzidine	13.177	252	23657	1.455 ug/ml#	96
107) Chrysene	13.195	228	70885	1.492 ug/ml	97
108) Bis(2-ethylhexyl)phtha...	13.324	149	43125	1.587 ug/ml	94
109) Di-n-octylphthalate	13.983	149	69348	1.542 ug/ml#	73
110) Benzo(b)fluoranthene	14.236	252	74168	1.559 ug/ml#	90
111) Benzo(k)fluoranthene	14.259	252	72859	1.616 ug/ml#	90
112) Benzo(a)pyrene	14.542	252	67252	1.629 ug/ml#	89
114) Indeno(1,2,3-cd)pyrene	15.536	276	73119M6	1.833 ug/mL	
115) Dibenzo(a,h)anthracene	15.565	278	74607	1.943 ug/ml#	85
116) Benzo(ghi)perylene	15.748	276	69414	1.953 ug/ml#	76

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-2.D
Acq On : 10 Sep 2024 3:15 am
Operator : SV106:smz
Sample : WG1968879-2,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:06:36 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

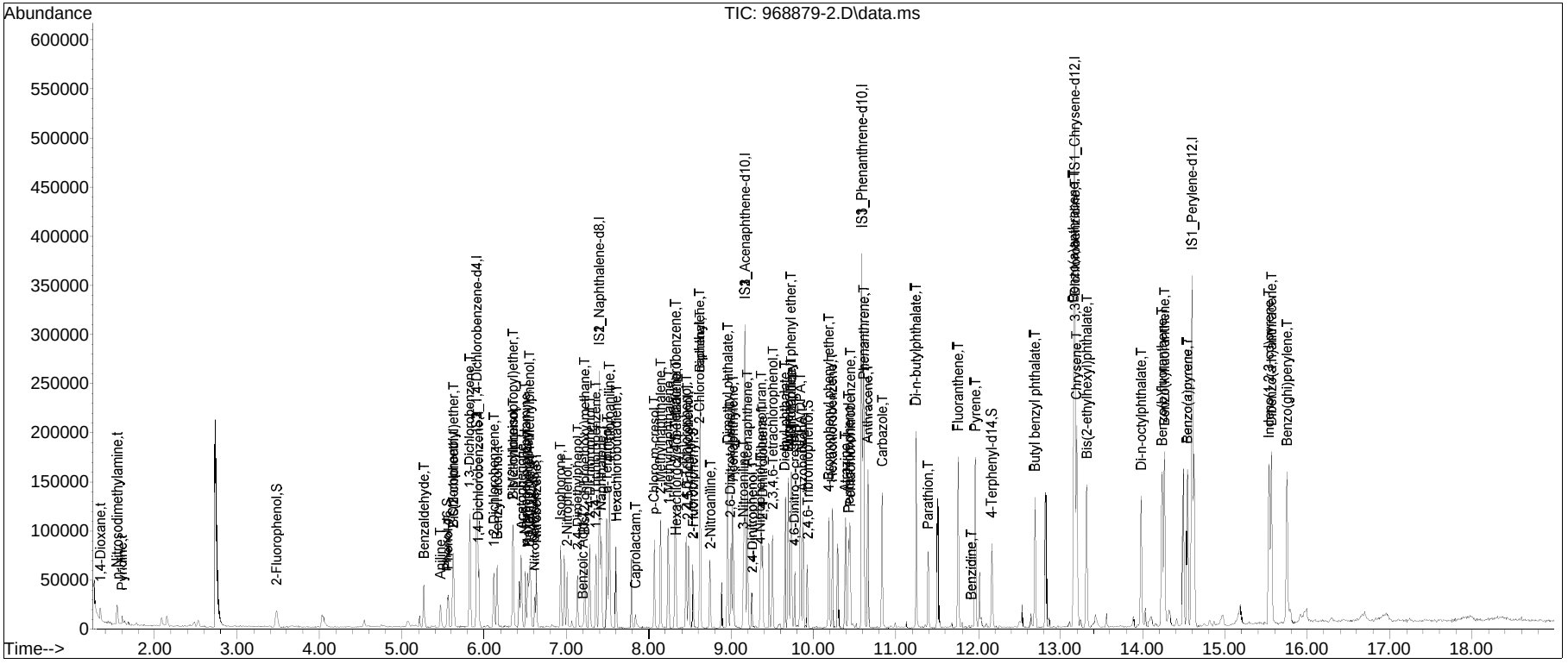
(#) = qualifier out of range (m) = manual integration (+) = signals summed

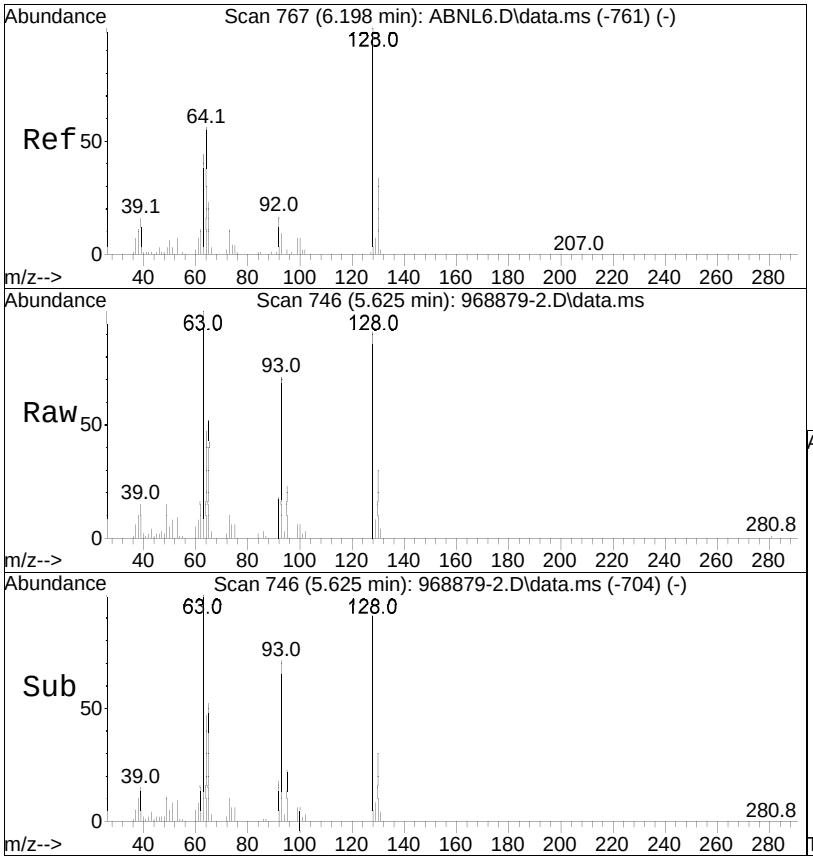
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-2.D
Acq On : 10 Sep 2024 3:15 am
Operator : SV106:smz
Sample : WG1968879-2,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 13:06:36 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90909n.D•

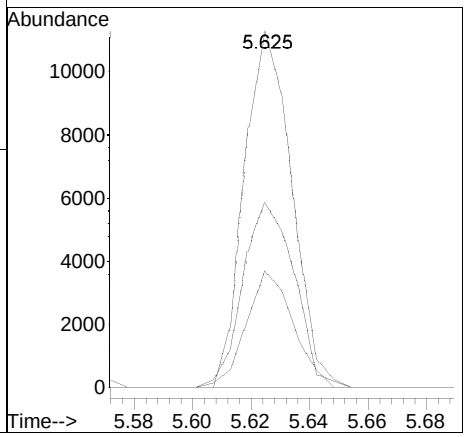


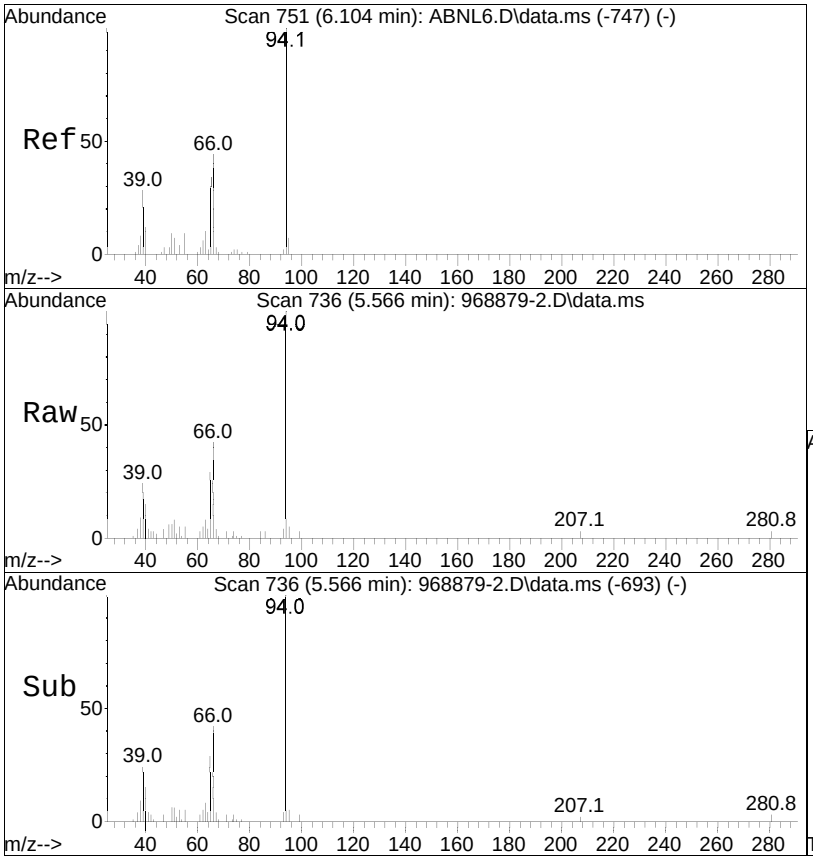


#6
2-Chlorophenol
Concen: 1.41 ug/ml
RT: 5.625 min Scan# 746
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:128 Resp: 12713

Ion	Ratio	Lower	Upper
128	100		
64	56.2	45.1	67.7
130	32.4	26.2	39.4

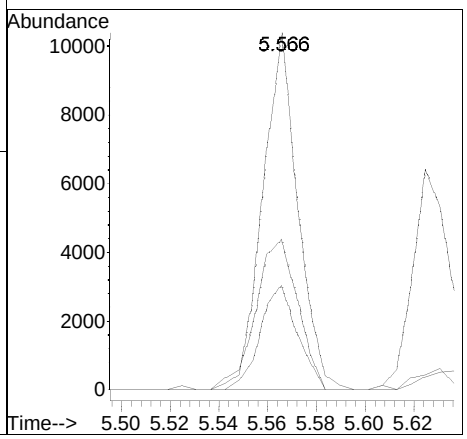


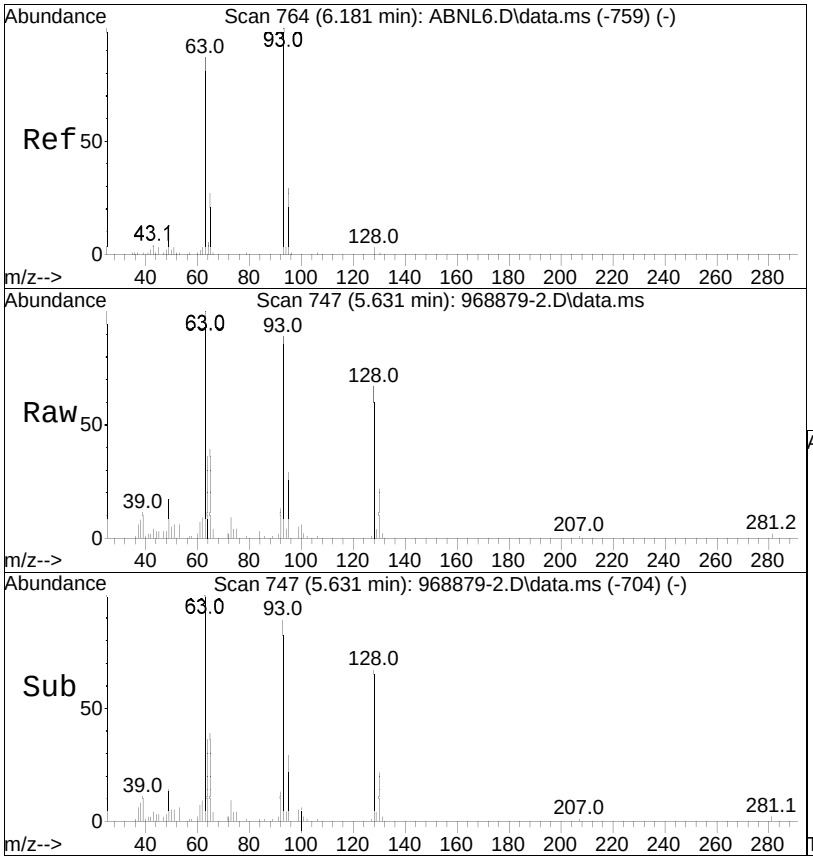


#8
Phenol
Concen: 0.91 ug/ml
RT: 5.566 min Scan# 736
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 94 Resp: 10416

Ion	Ratio	Lower	Upper
94	100		
65	31.0	26.0	39.0
66	51.0	33.8	50.8#

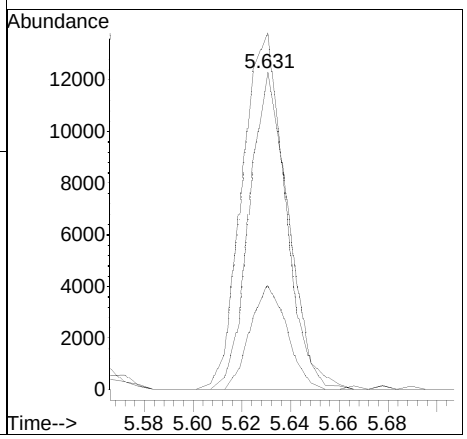


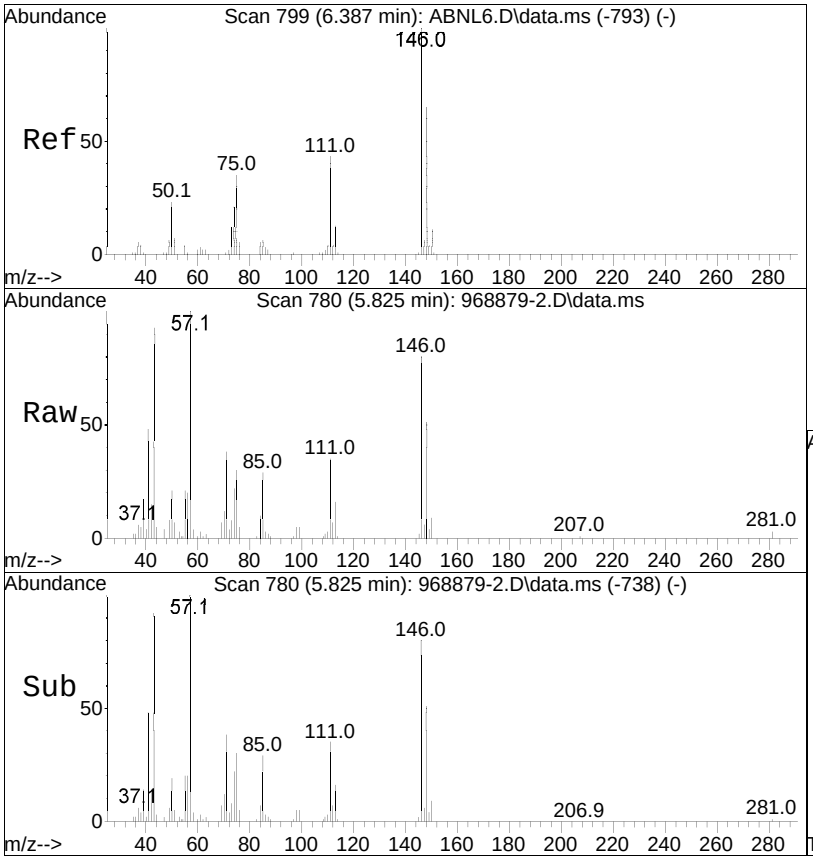


#9
Bis(2-chloroethyl)ether
Concen: 1.46 ug/ml
RT: 5.631 min Scan# 747
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 93 Resp: 13733

Ion	Ratio	Lower	Upper
93	100		
63	122.0	74.6	111.8#
95	31.0	25.9	38.9

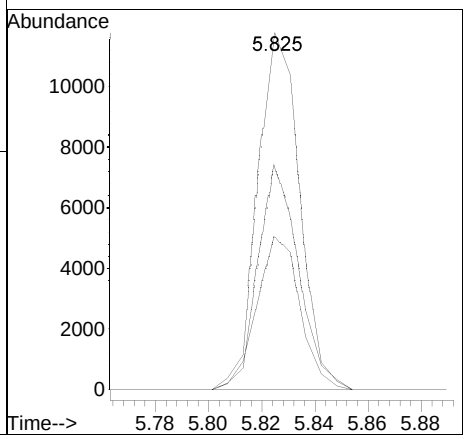


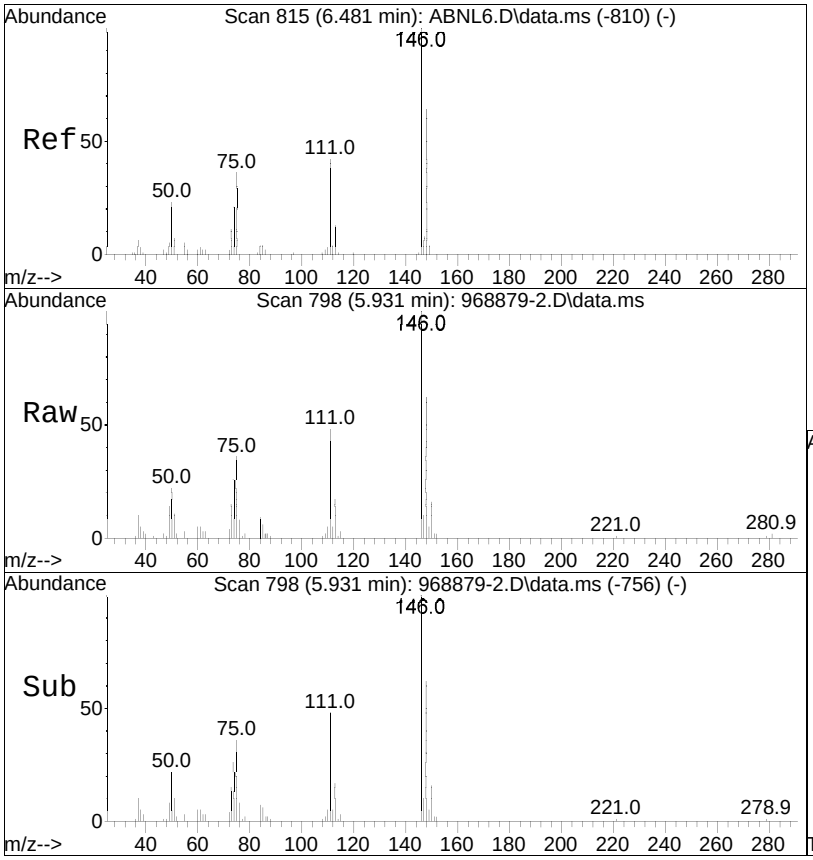


#10
1,3-Dichlorobenzene
Concen: 1.18 ug/ml
RT: 5.825 min Scan# 780
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:146 Resp: 12813

Ion	Ratio	Lower	Upper
146	100		
111	44.5	34.3	51.5
148	61.3	50.8	76.2

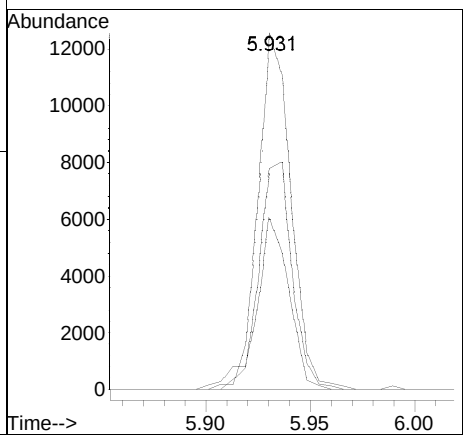


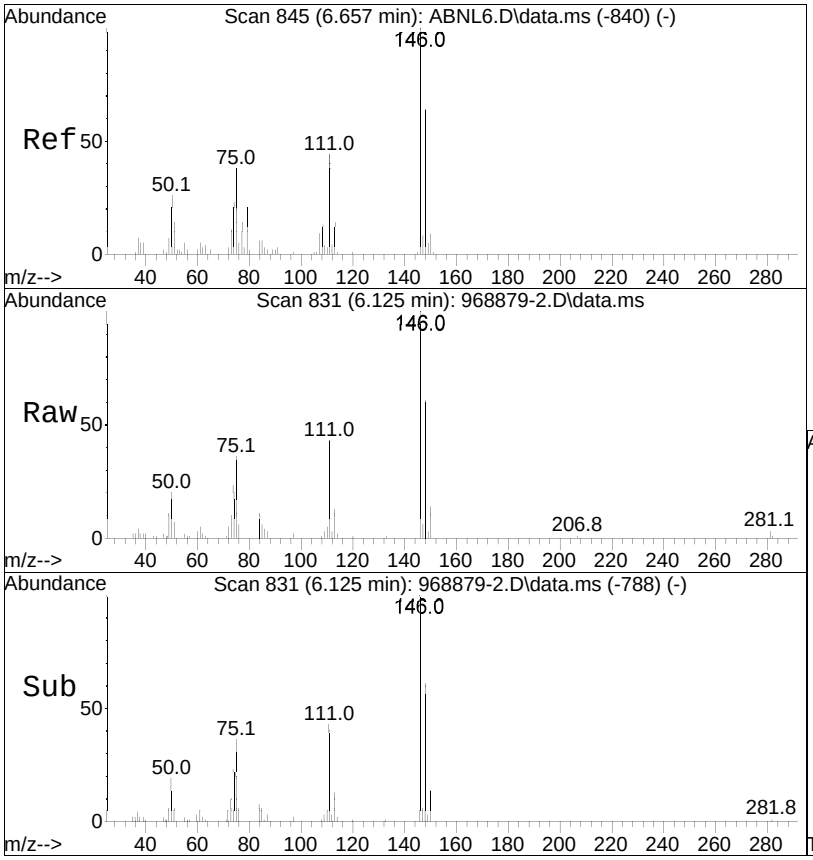


#11
1,4-Dichlorobenzene
Concen: 1.25 ug/ml
RT: 5.931 min Scan# 798
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:146 Resp: 13672

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.7	76.1
111	48.3	33.4	50.0

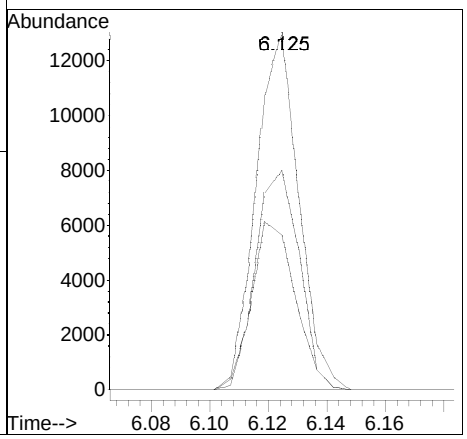


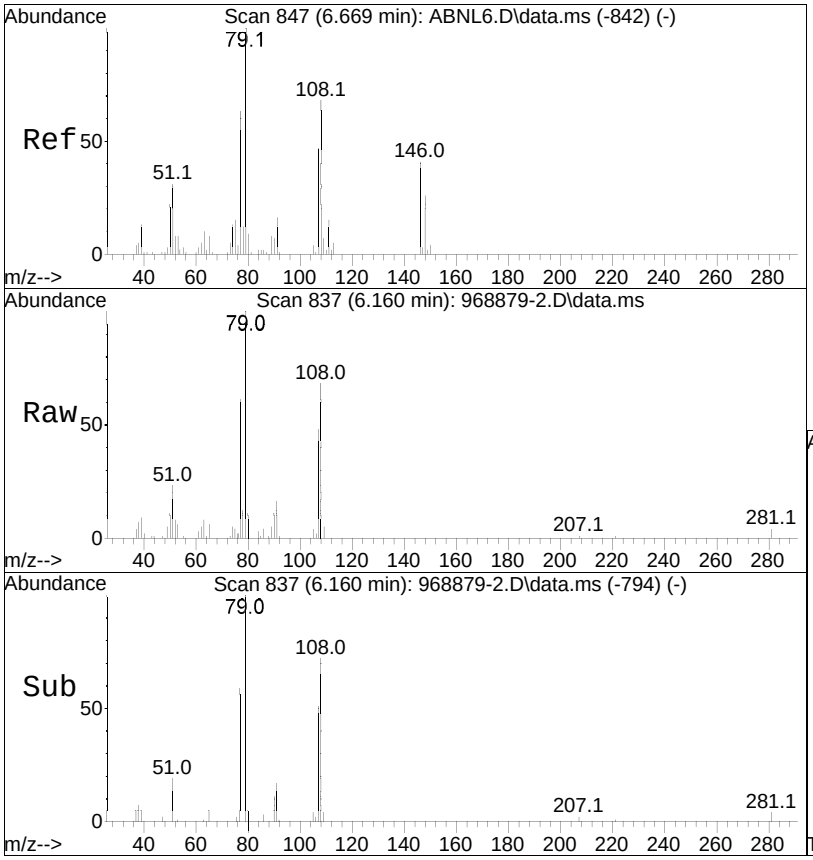


#12
1,2-Dichlorobenzene
Concen: 1.23 ug/ml
RT: 6.125 min Scan# 831
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:146 Resp: 13137

Ion	Ratio	Lower	Upper
146	100		
111	48.2	34.6	52.0
148	63.7	50.2	75.4

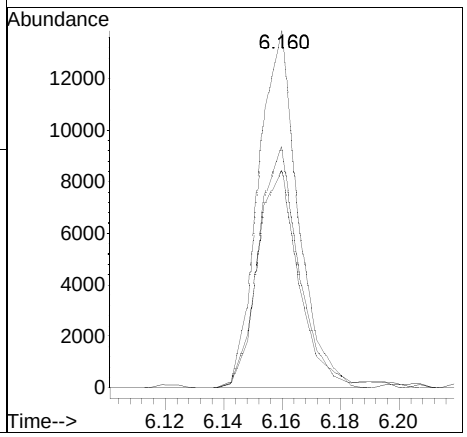


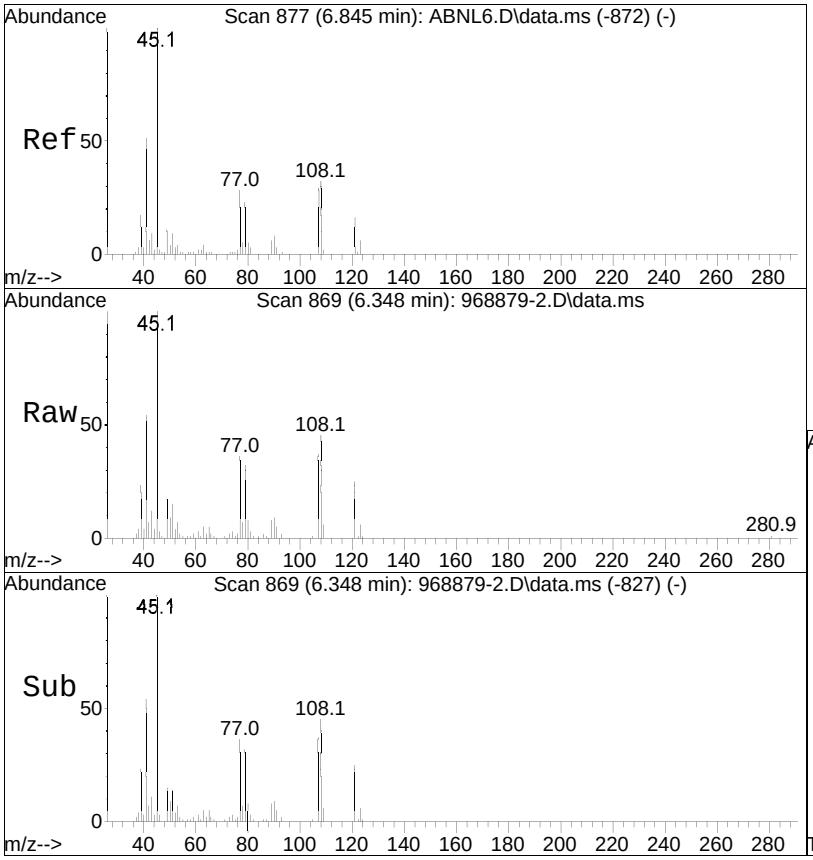


#13
Benzyl alcohol
Concen: 1.47 ug/ml
RT: 6.160 min Scan# 837
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 79 Resp: 13041

Ion	Ratio	Lower	Upper
79	100		
77	65.8	54.9	82.3
108	69.8	63.1	94.7

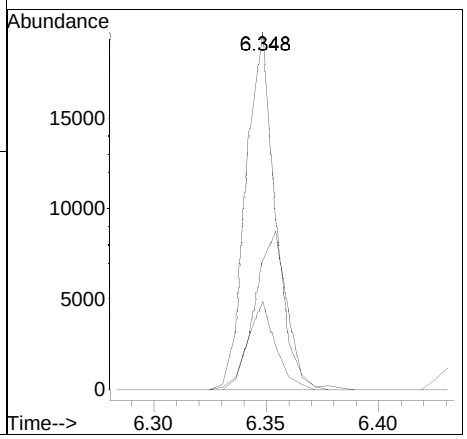


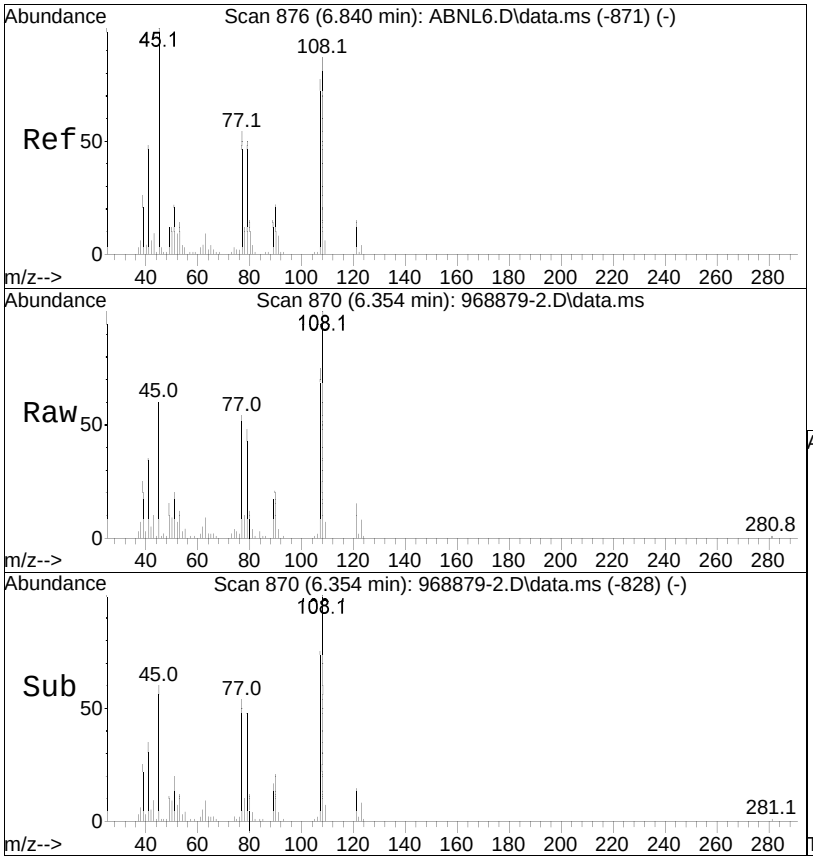


#14
Bis(2-chloroisopropyl)ether
Concen: 1.18 ug/ml
RT: 6.348 min Scan# 869
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 45 Resp: 17930

Ion	Ratio	Lower	Upper
45	100		
121	23.3	9.8	14.6#
77	48.3	6.1	9.1#

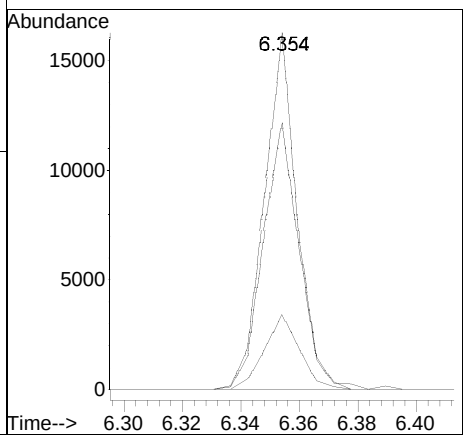


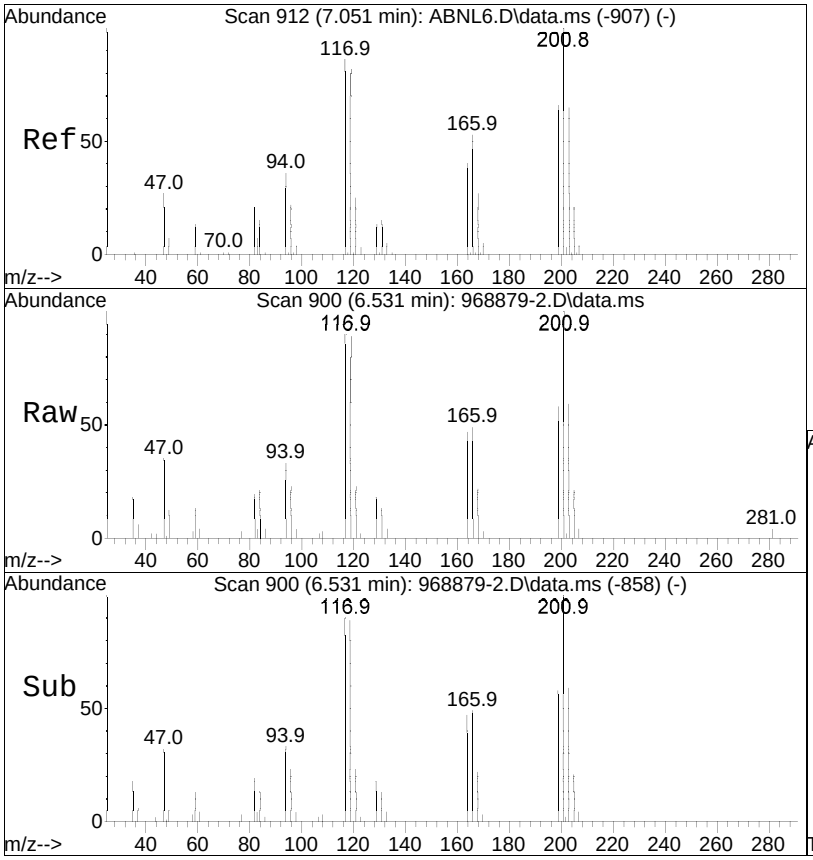


#15
2-Methylphenol
Concen: 1.53 ug/ml
RT: 6.354 min Scan# 870
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:108 Resp: 12626

Ion	Ratio	Lower	Upper
108	100		
107	82.2	70.7	106.1
90	22.7	18.7	28.1

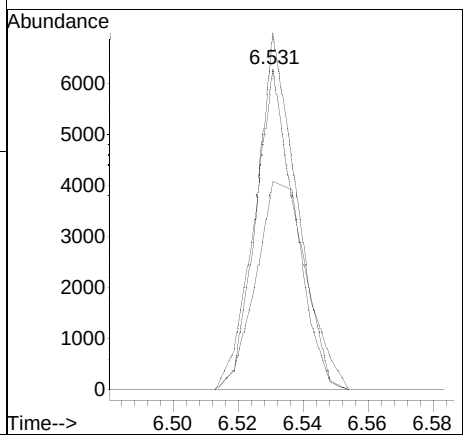


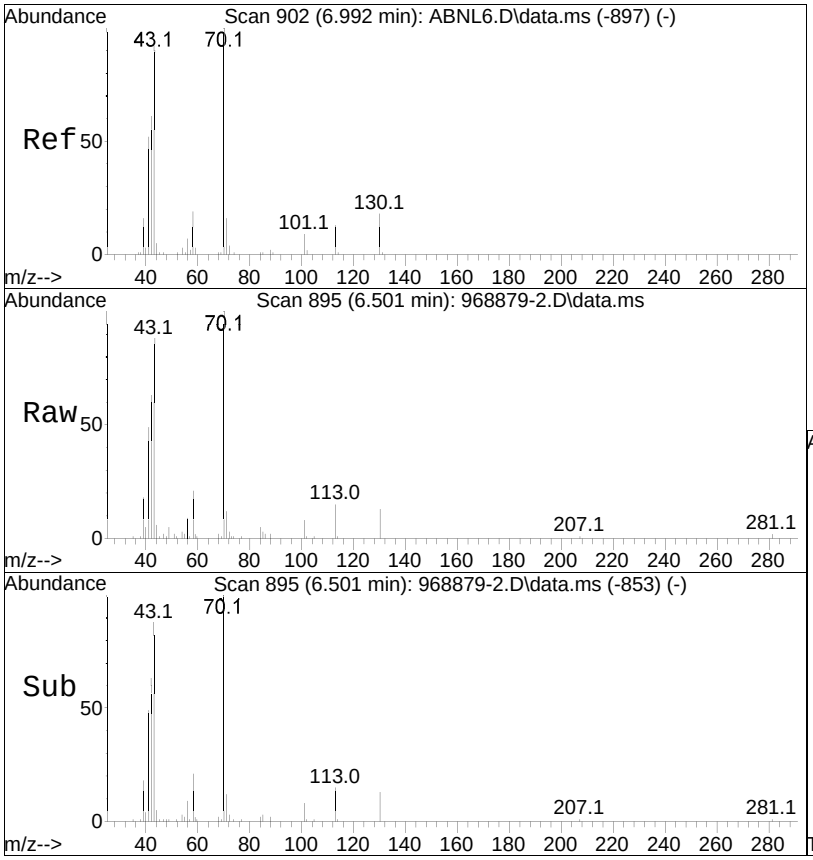


#16
Hexachloroethane
Concen: 1.29 ug/ml
RT: 6.531 min Scan# 900
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:117 Resp: 5618

Ion	Ratio	Lower	Upper
117	100		
201	107.9	58.6	87.8#
199	73.7	36.9	55.3#

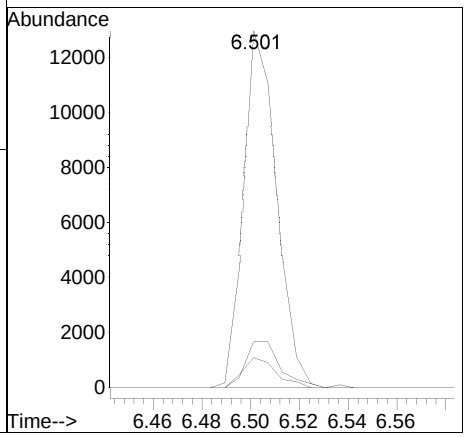


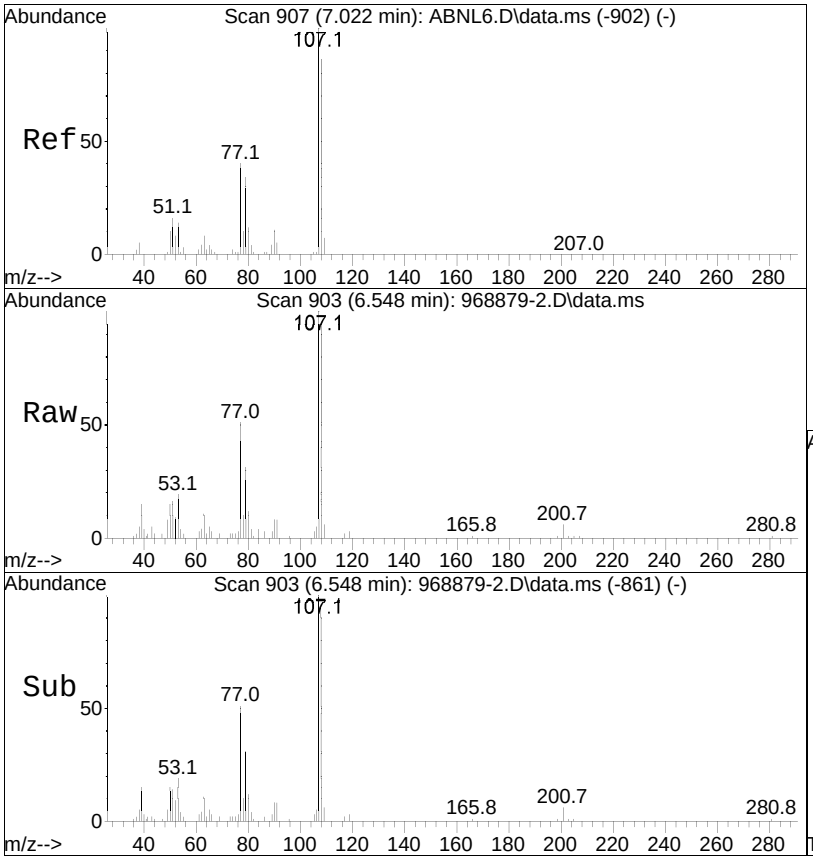


#17
n-Nitrosodi-n-propylamine
Concen: 1.65 ug/ml
RT: 6.501 min Scan# 895
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 70 Resp: 12197

Ion	Ratio	Lower	Upper
70	100		
130	13.6	18.2	27.4#
101	8.6	7.8	11.8

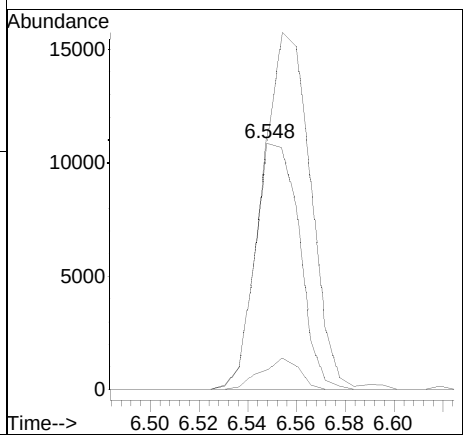


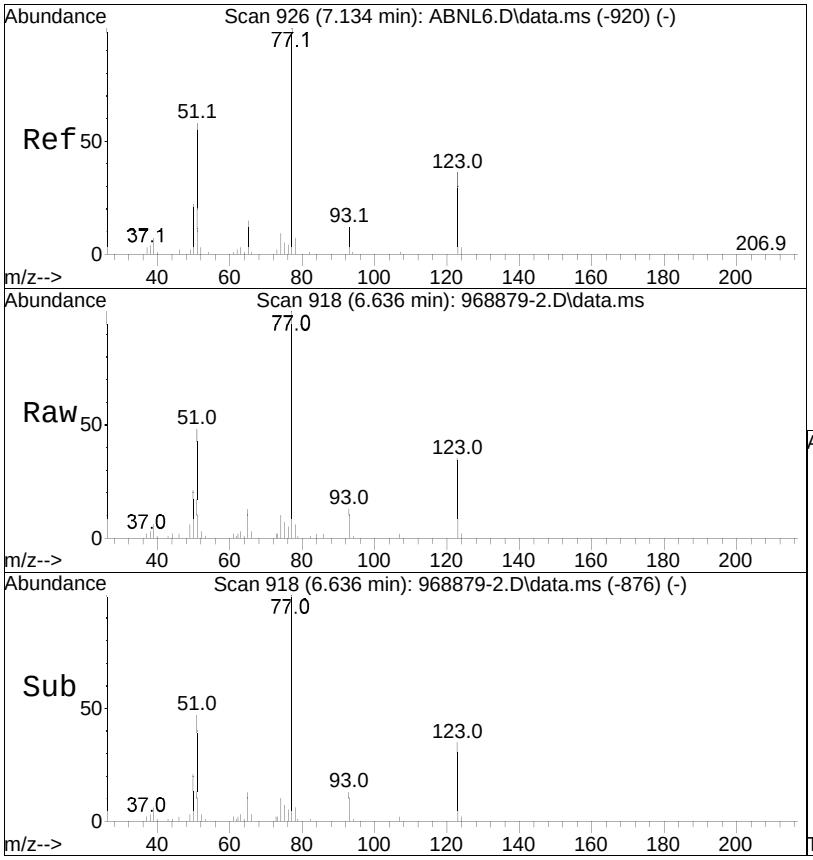


#18
3-Methylphenol/4-Methylphenol
Concen: 1.54 ug/ml
RT: 6.548 min Scan# 903
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:108 Resp: 13739

Ion	Ratio	Lower	Upper
108	100		
107	158.4	88.6	132.8#
90	11.0	8.8	13.2

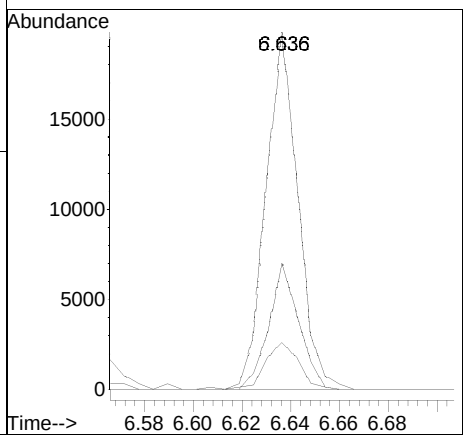


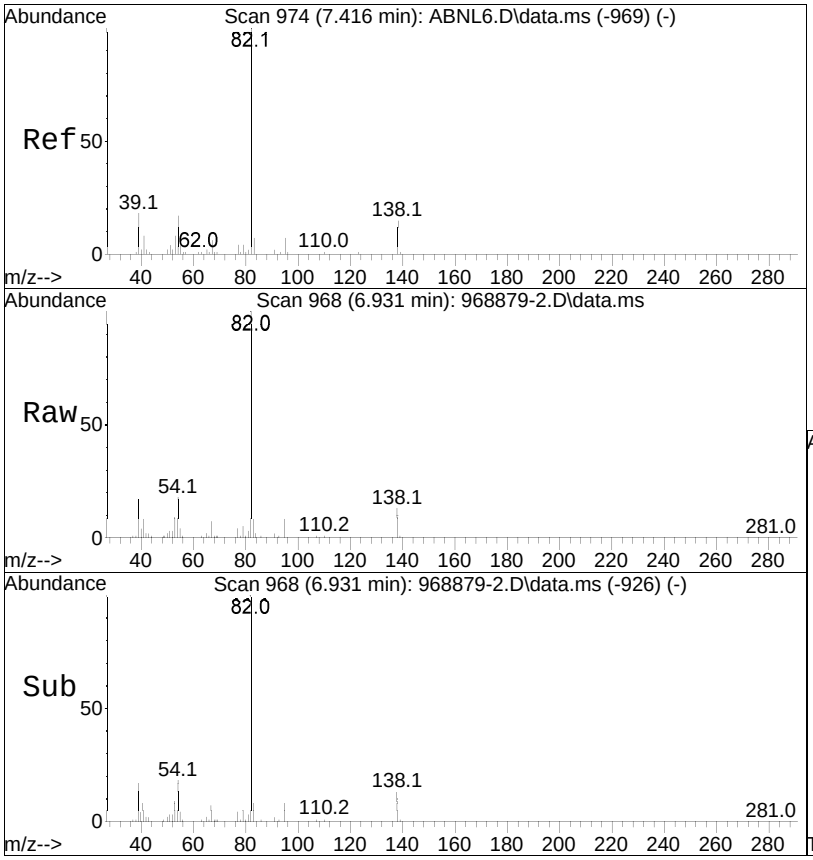


#20
Nitrobenzene
Concen: 1.57 ug/ml
RT: 6.636 min Scan# 918
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 77 Resp: 17994

Ion	Ratio	Lower	Upper
77	100		
123	33.3	36.3	54.5#
65	13.8	11.6	17.4

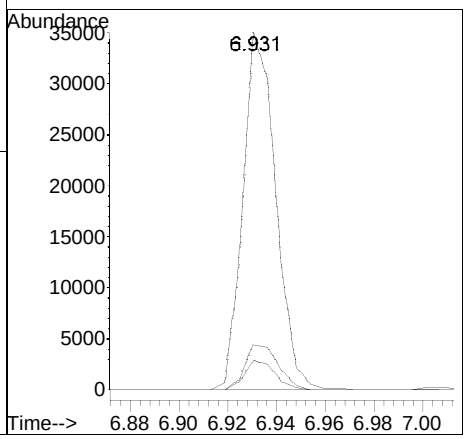


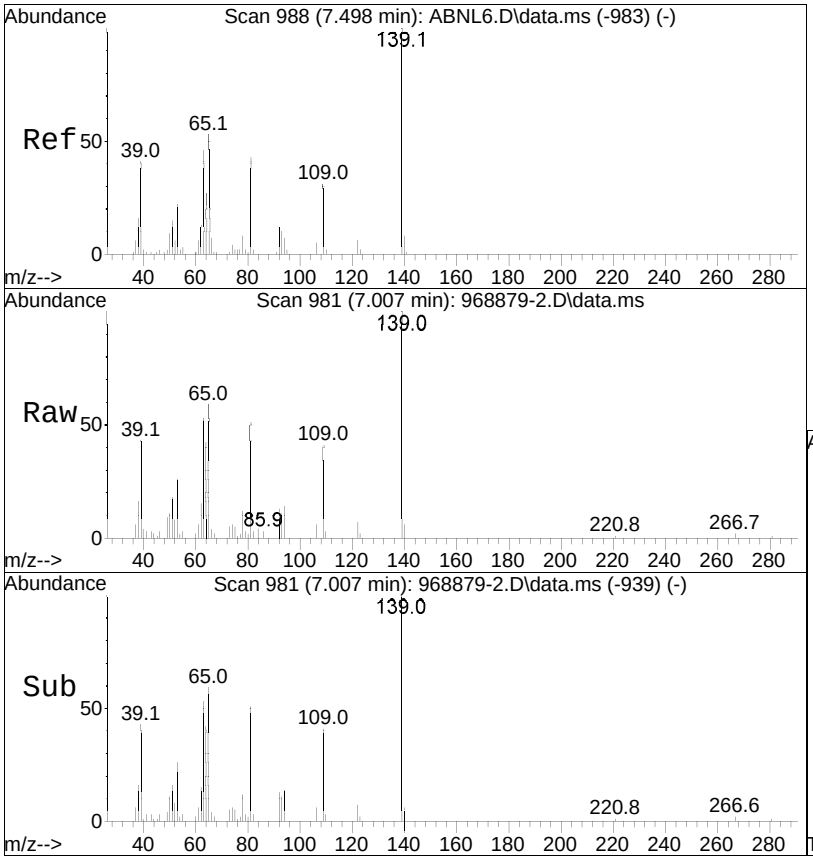


#21
Isophorone
Concen: 1.68 ug/ml
RT: 6.931 min Scan# 968
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 82 Resp: 32394

Ion	Ratio	Lower	Upper
82	100		
138	13.0	14.7	22.1#
95	7.8	5.2	7.8

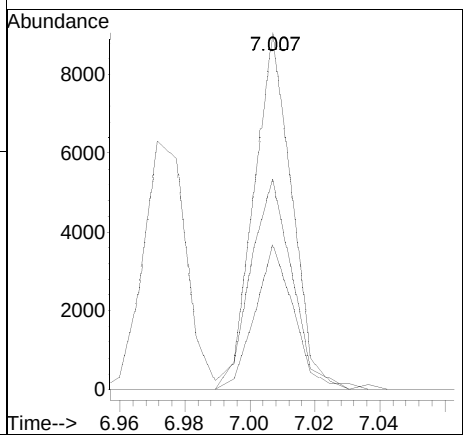


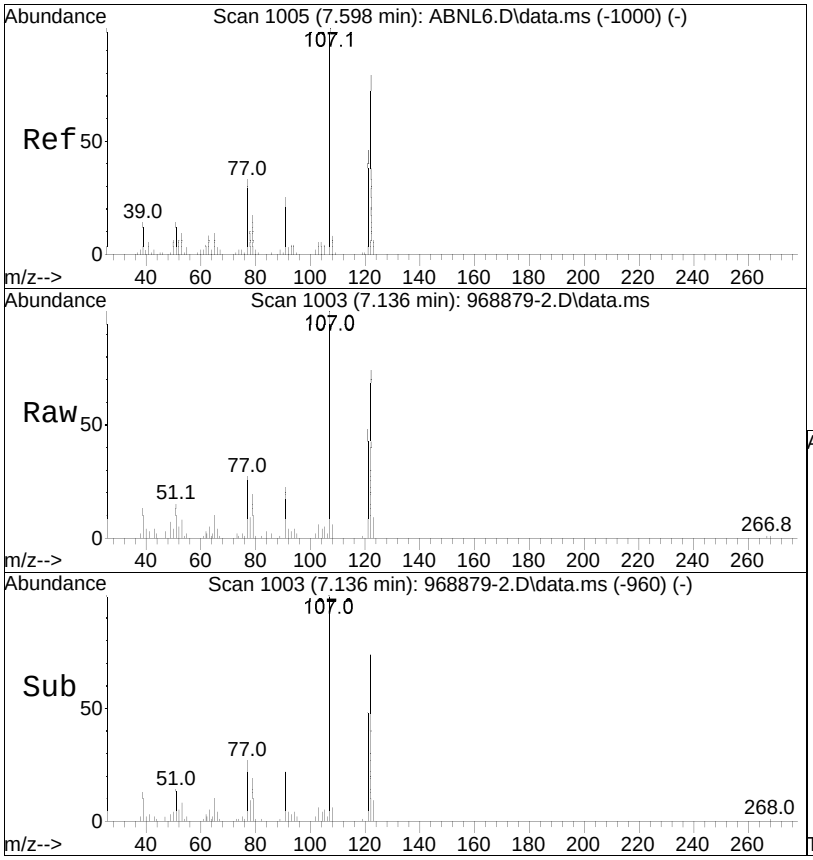


#22
2-Nitrophenol
Concen: 1.51 ug/ml
RT: 7.007 min Scan# 981
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:139 Resp: 7320

Ion	Ratio	Lower	Upper
139	100		
109	41.8	19.4	29.0#
65	65.0	46.1	69.1

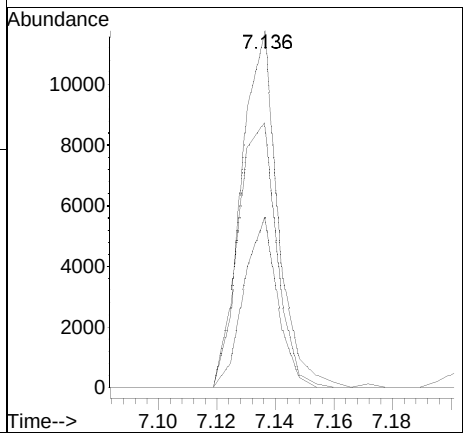


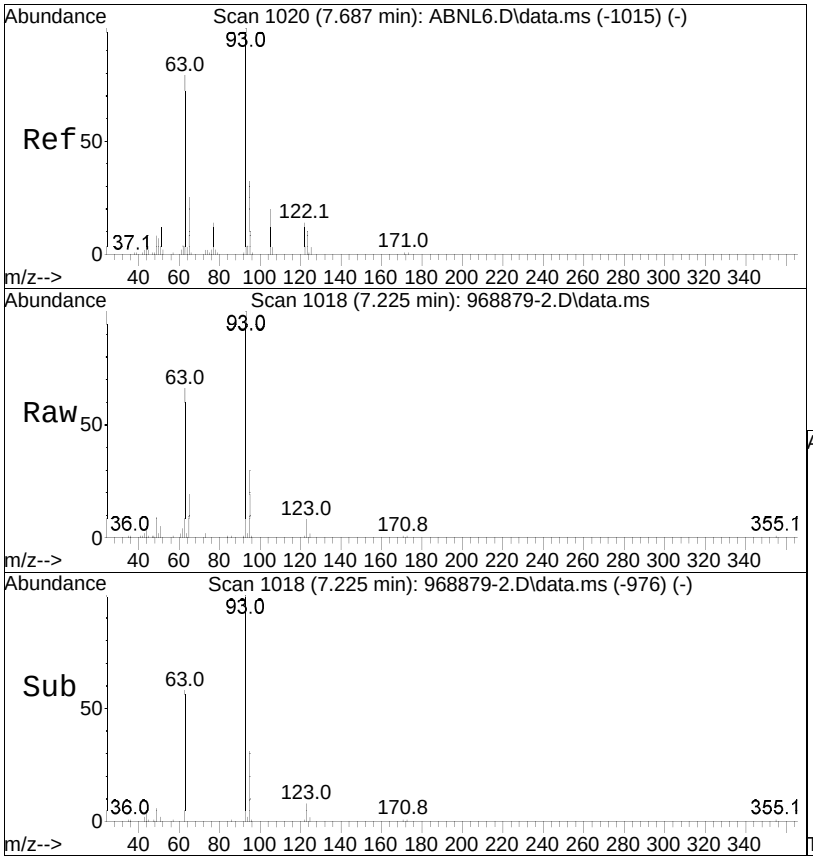


#23
2,4-Dimethylphenol
Concen: 1.11 ug/ml
RT: 7.136 min Scan# 1003
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:107 Resp: 10069

Ion	Ratio	Lower	Upper
107	100		
121	44.4	40.0	60.0
122	79.4	70.2	105.4

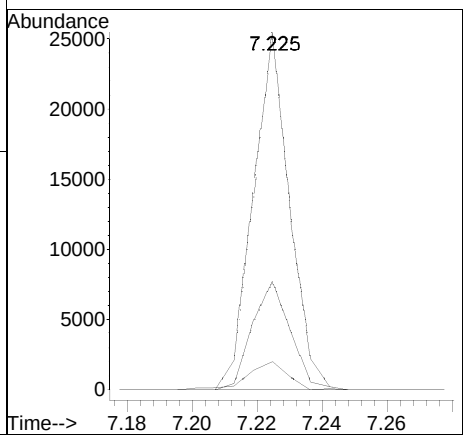


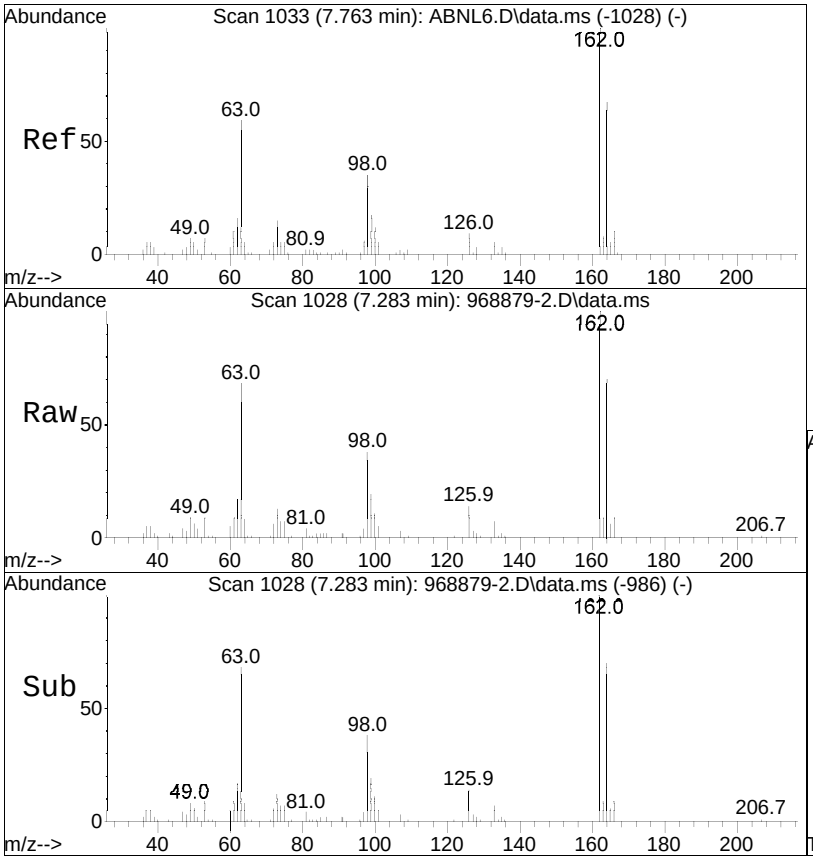


#24
Bis(2-chloroethoxy)methane
Concen: 1.57 ug/ml
RT: 7.225 min Scan# 1018
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 93 Resp: 19559

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	8.8	10.1	15.1#

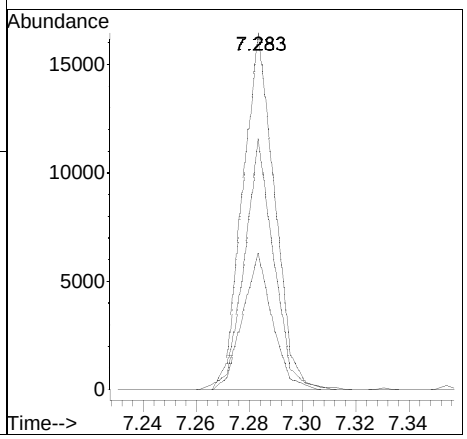


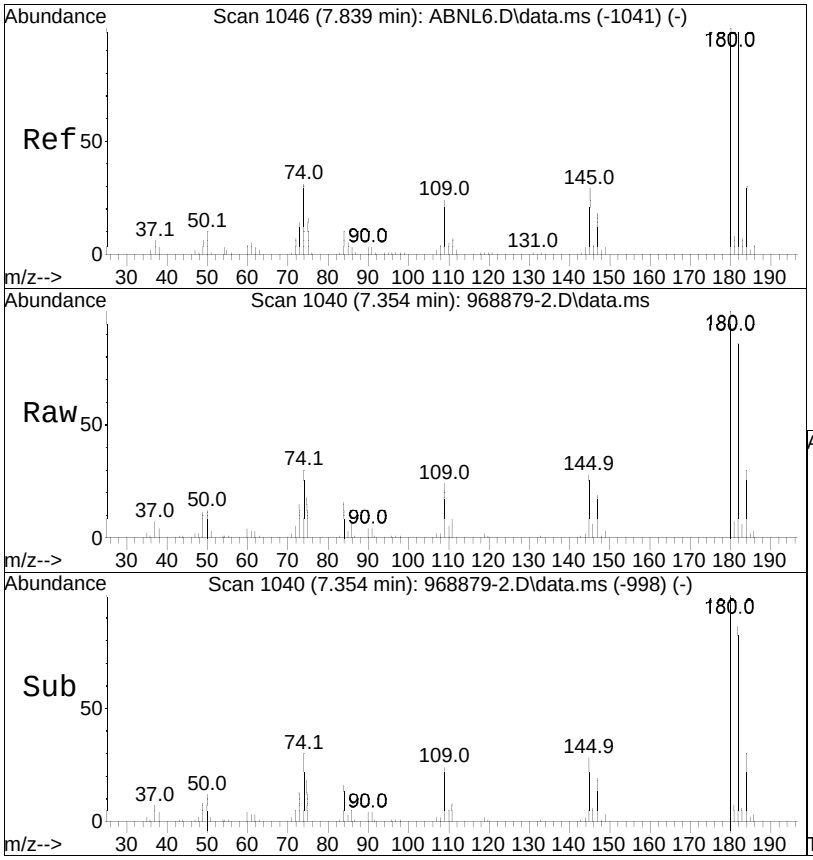


#25
2,4-Dichlorophenol
Concen: 1.58 ug/ml
RT: 7.283 min Scan# 1028
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:162 Resp: 13604

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.0	76.4
98	36.0	32.2	48.2

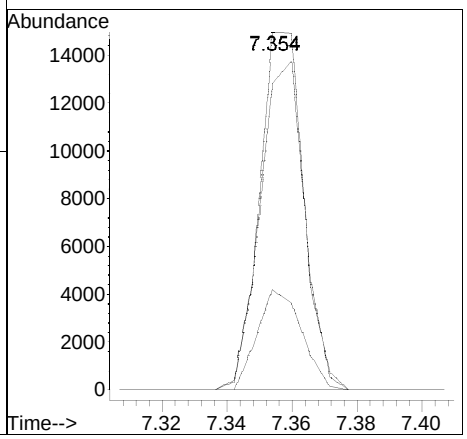


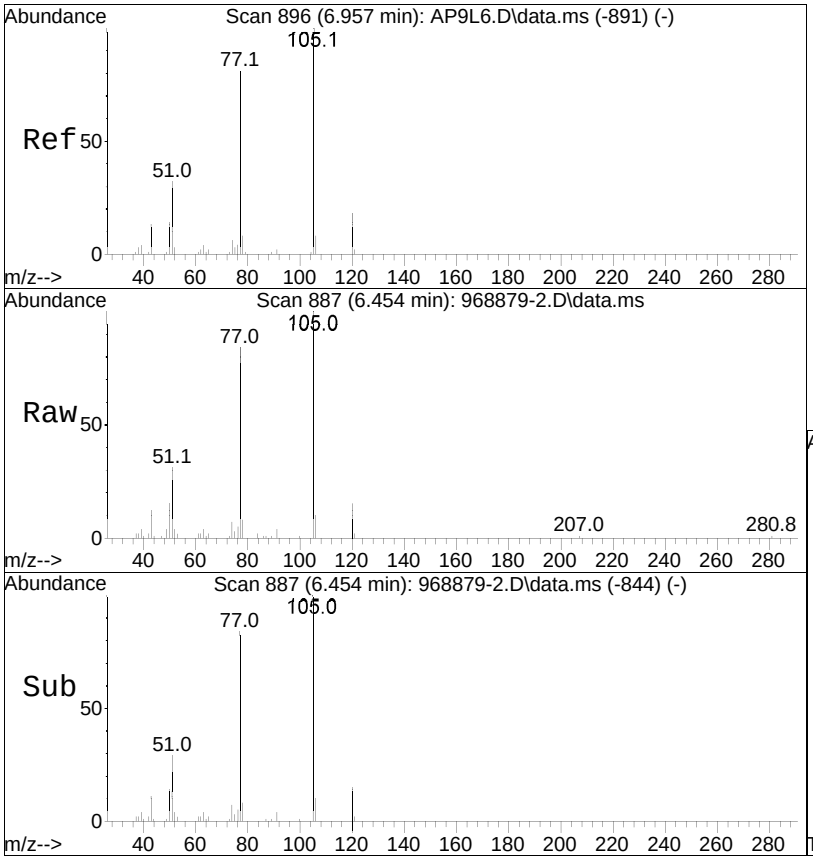


#26
1,2,4-Trichlorobenzene
Concen: 1.32 ug/ml
RT: 7.354 min Scan# 1040
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:180 Resp: 13986

Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.0	114.0
145	28.4	25.7	38.5

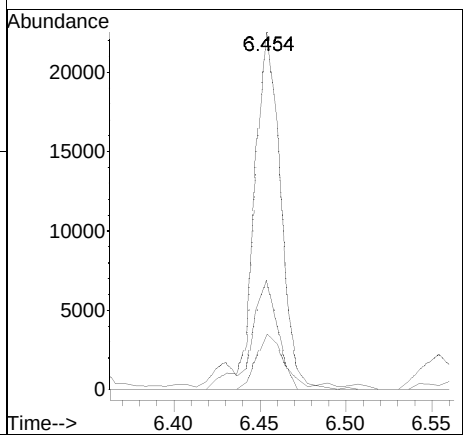


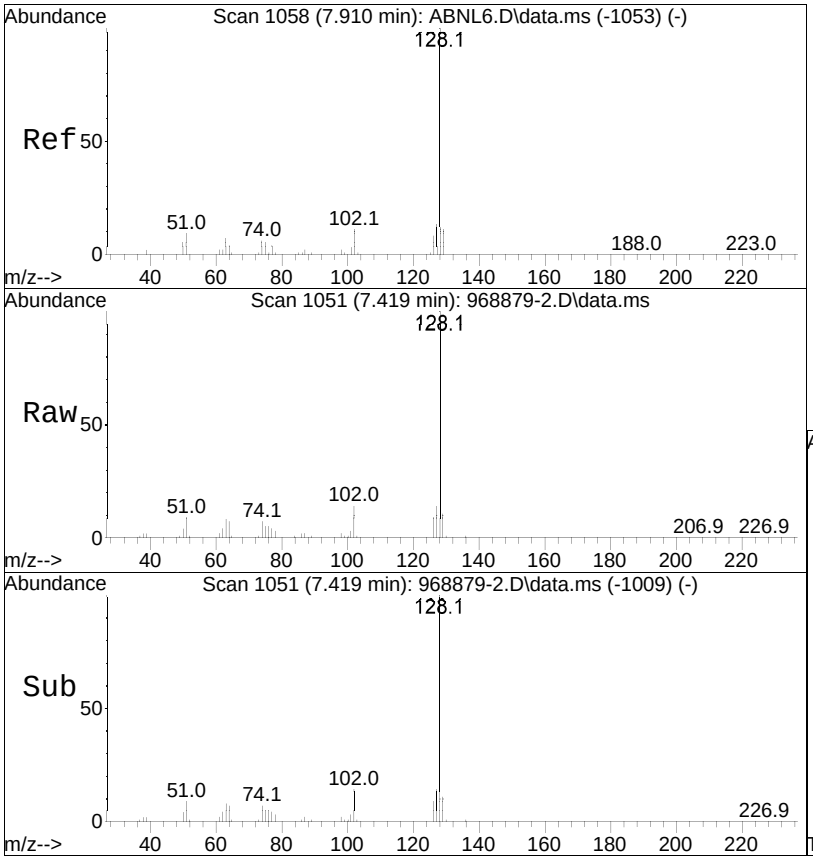


#29
Acetophenone
Concen: 1.57 ug/ml
RT: 6.454 min Scan# 887
Delta R.T. 0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:105 Resp: 23747

Ion	Ratio	Lower	Upper
105	100		
120	15.1	20.5	30.7#
51	32.9	34.9	52.3#

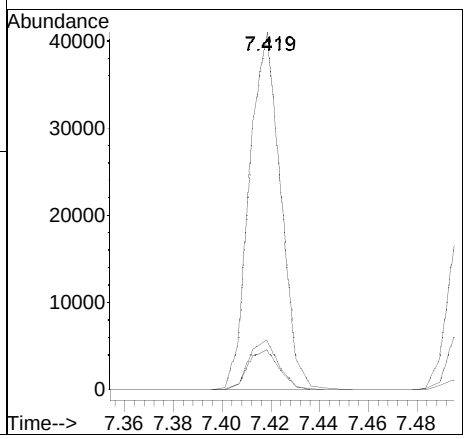


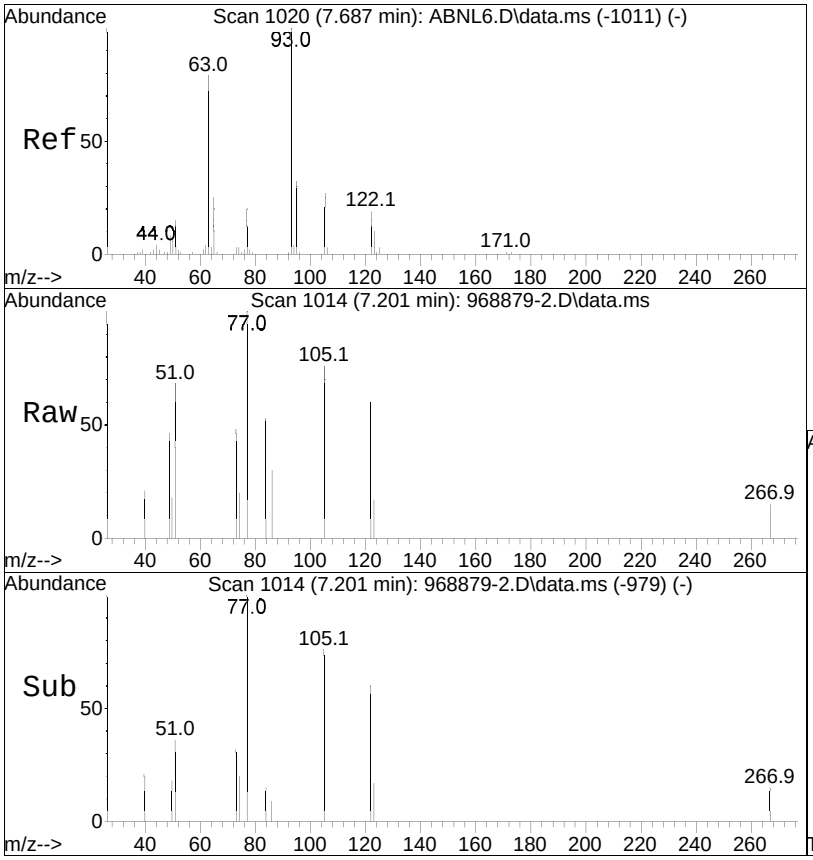


#36
Naphthalene
Concen: 1.26 ug/ml
RT: 7.419 min Scan# 1051
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:128 Resp: 36368

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.2	10.3	15.5

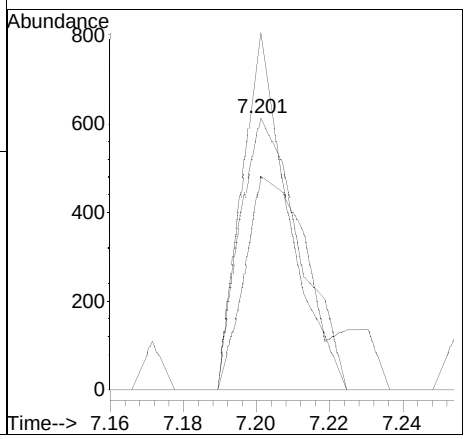


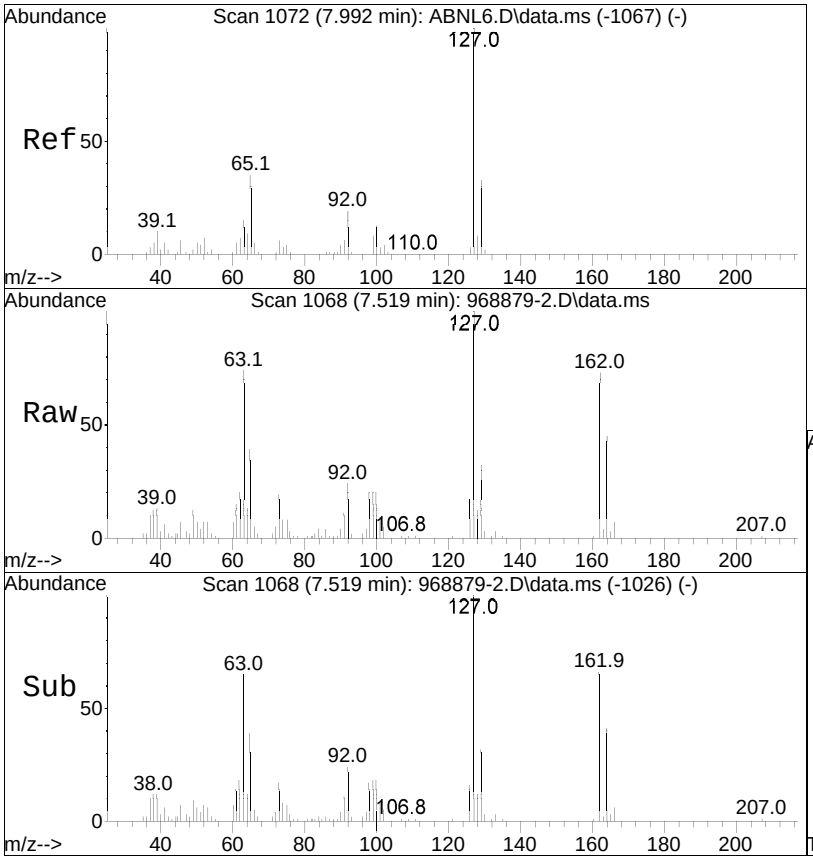


#37
Benzoic Acid
Concen: 0.46 ug/ml
RT: 7.201 min Scan# 1014
Delta R.T. -0.041 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:105 Resp: 691

Ion	Ratio	Lower	Upper
105	100		
122	94.4	59.9	89.9#
77	103.3	60.1	90.1#

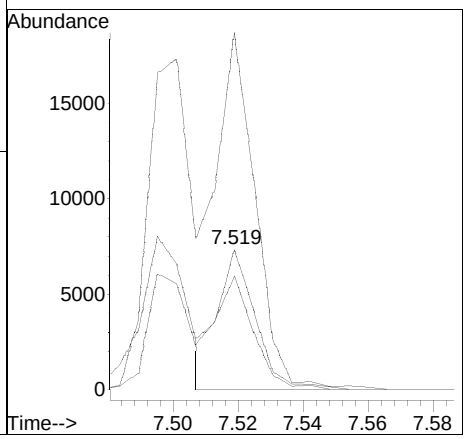


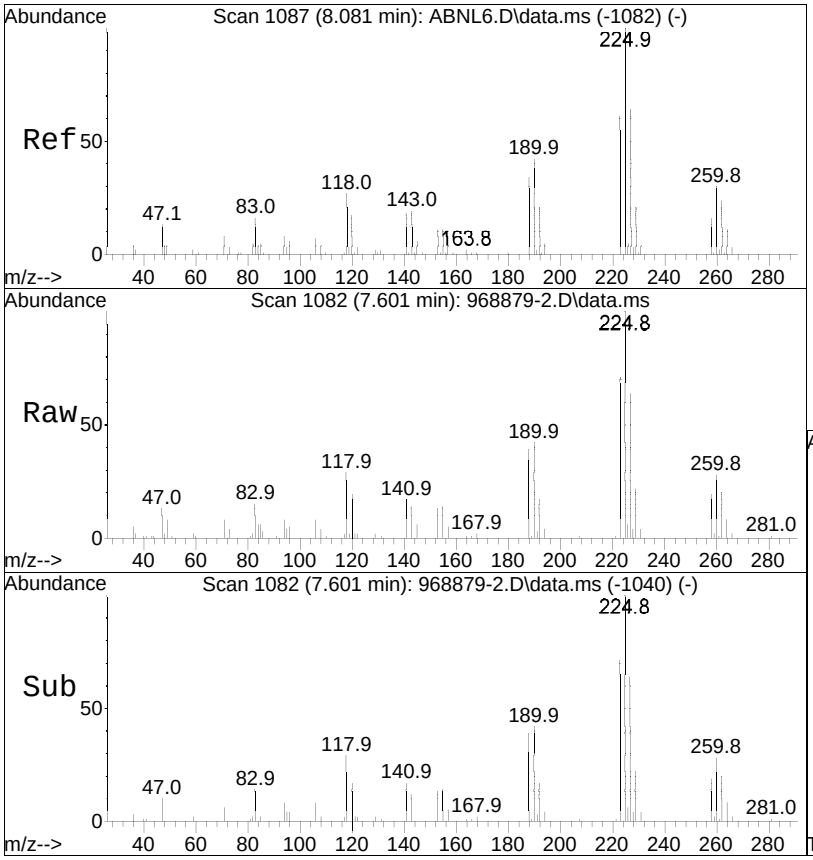


#38
4-Chloroaniline
Concen: 1.38 ug/ml
RT: 7.519 min Scan# 1068
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 65 Resp: 5903

Ion	Ratio	Lower	Upper
65	100		
127	264.6	237.6	356.4
129	82.2	76.3	114.5

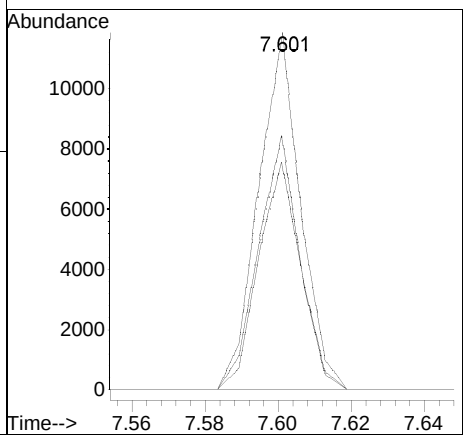


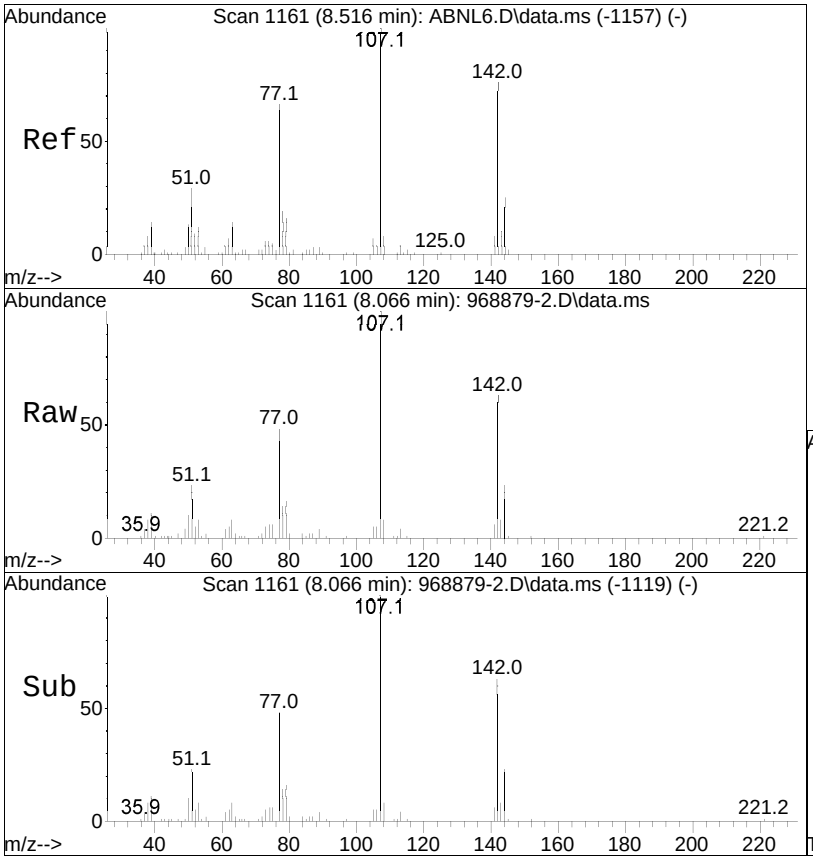


#39
Hexachlorobutadiene
Concen: 1.23 ug/ml
RT: 7.601 min Scan# 1082
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:225 Resp: 9422

Ion	Ratio	Lower	Upper
225	100		
223	70.0	50.3	75.5
227	64.5	52.2	78.2

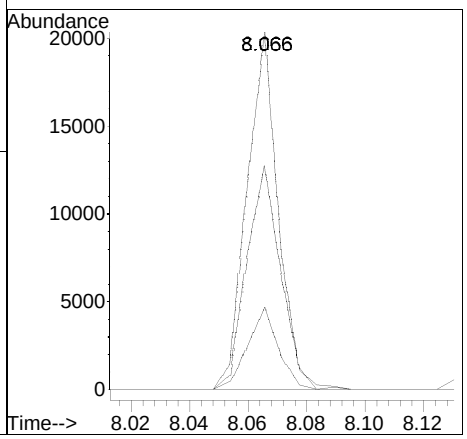


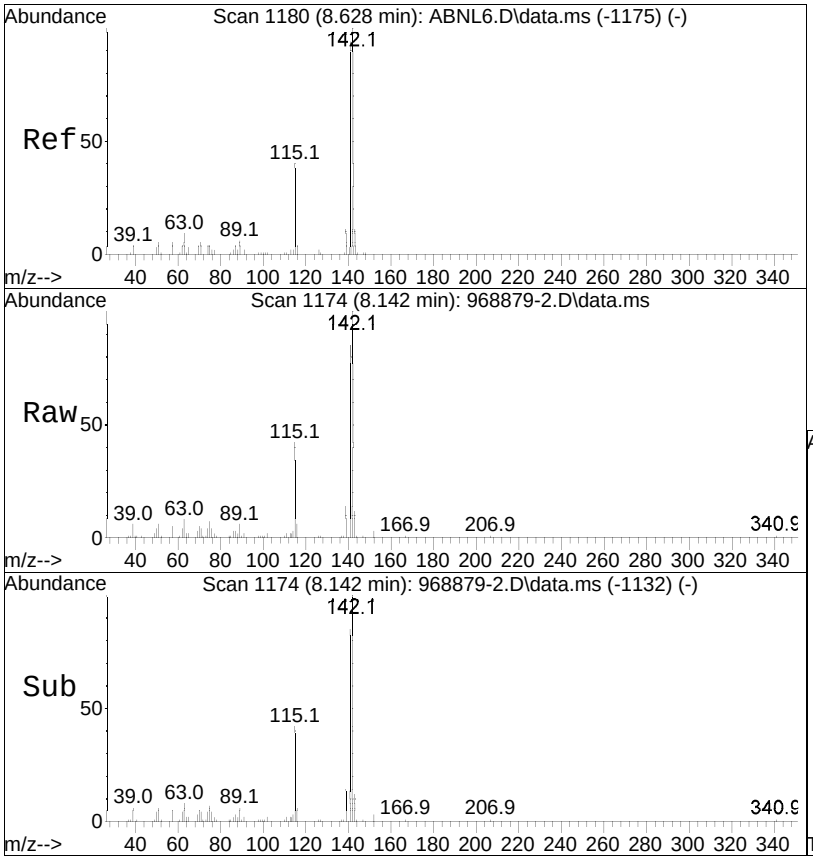


#40
p-Chloro-m-cresol
Concen: 1.73 ug/ml
RT: 8.066 min Scan# 1161
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:107 Resp: 14929

Ion	Ratio	Lower	Upper
107	100		
144	23.1	20.9	31.3
142	67.7	66.1	99.1

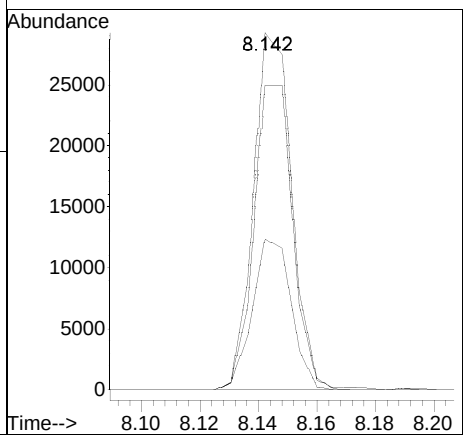


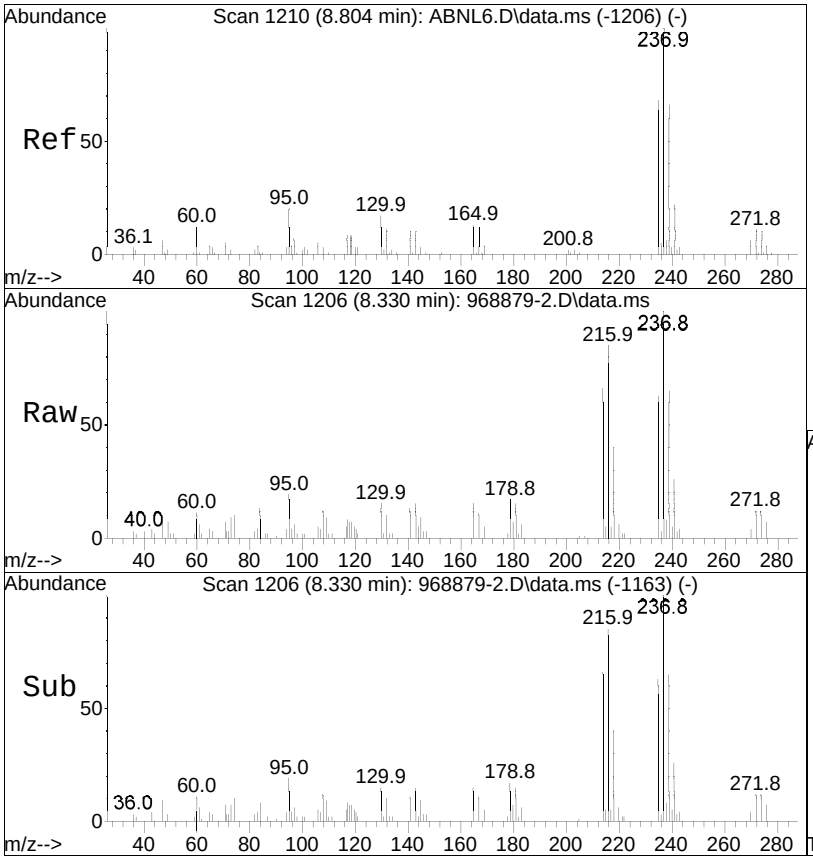


#41
2-Methylnaphthalene
Concen: 1.37 ug/ml
RT: 8.142 min Scan# 1174
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:142 Resp: 26505

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.6	104.4
115	43.3	26.6	40.0#

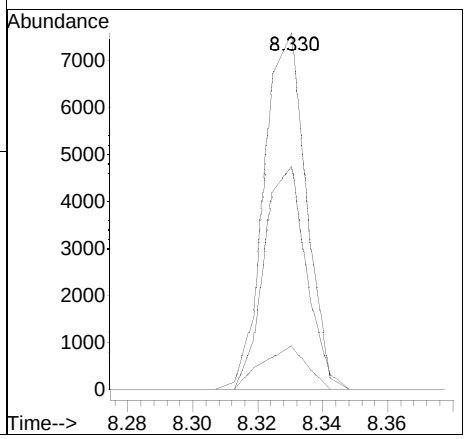


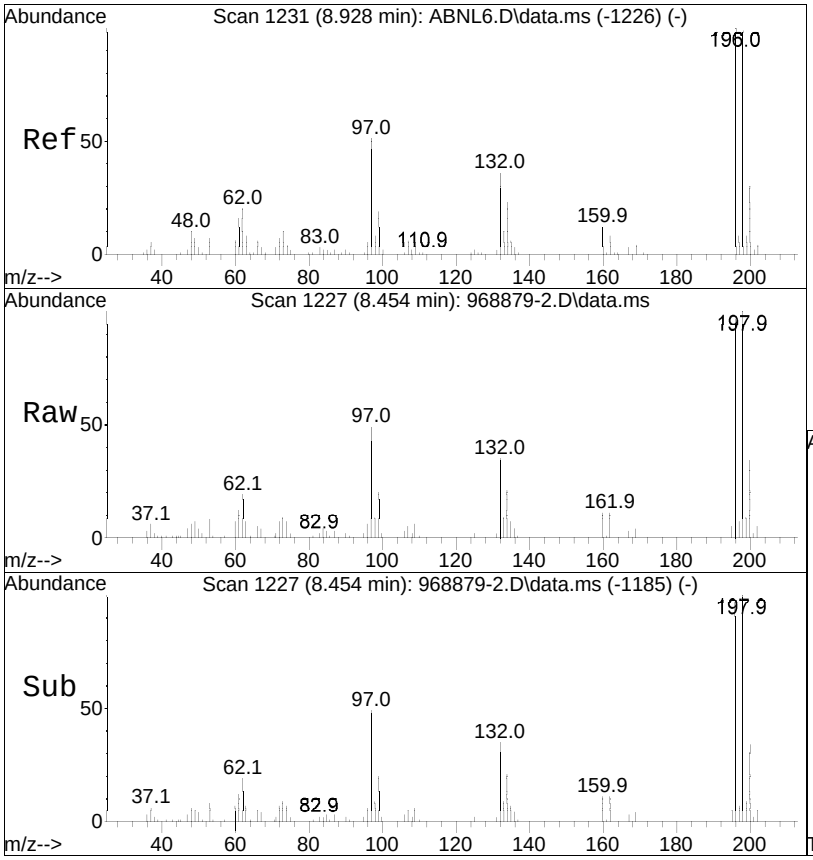


#43
Hexachlorocyclopentadiene
Concen: 0.80 ug/ml
RT: 8.330 min Scan# 1206
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:237 Resp: 6805

Ion	Ratio	Lower	Upper
237	100		
235	63.3	49.7	74.5
272	13.2	9.8	14.6

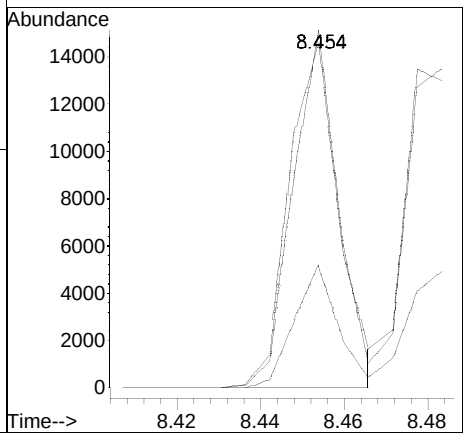


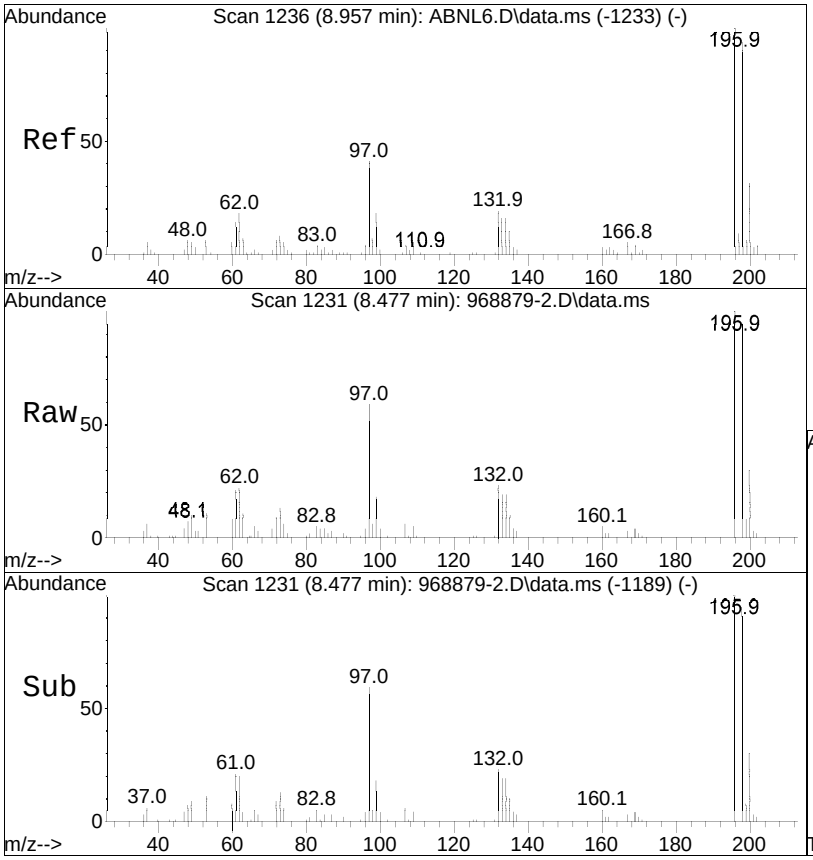


#44
2,4,6-Trichlorophenol
Concen: 1.59 ug/ml
RT: 8.454 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:196 Resp: 12083

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.5	116.3
200	31.5	23.8	35.6

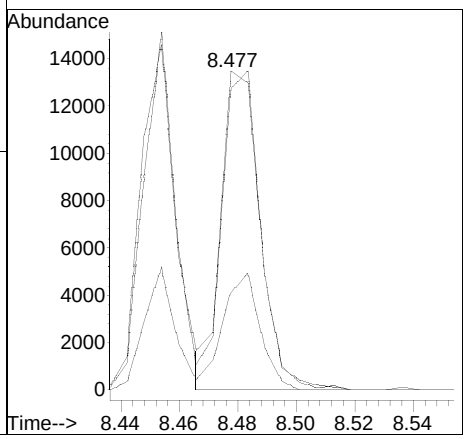


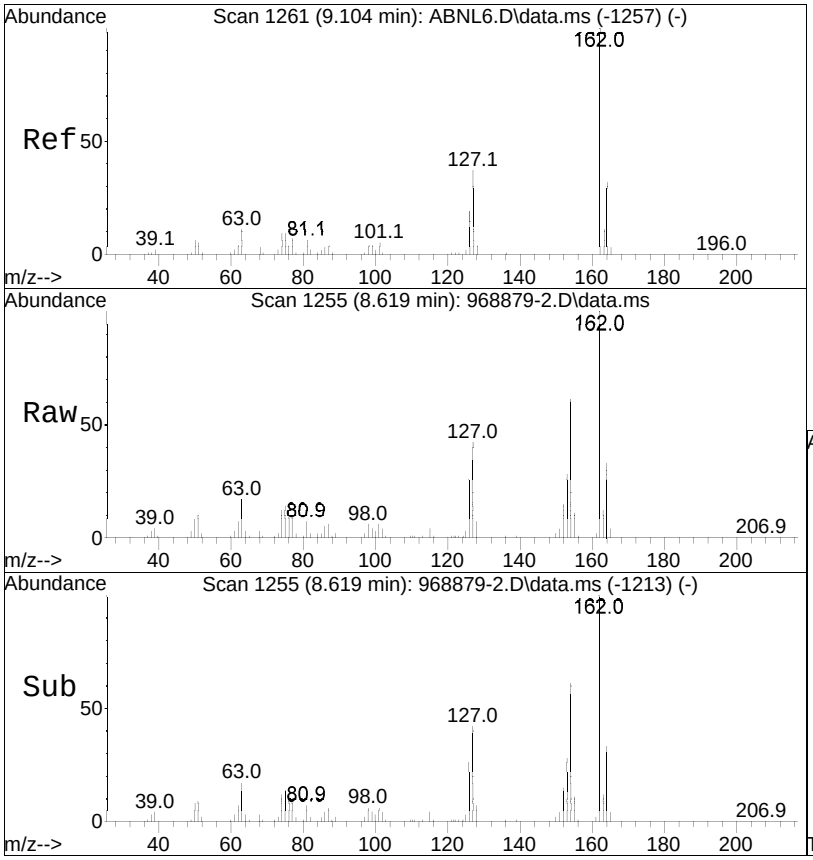


#45
2,4,5-Trichlorophenol
Concen: 1.53 ug/ml
RT: 8.477 min Scan# 1231
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:196 Resp: 12457

Ion	Ratio	Lower	Upper
196	100		
200	35.1	25.4	38.0
198	98.8	78.0	117.0

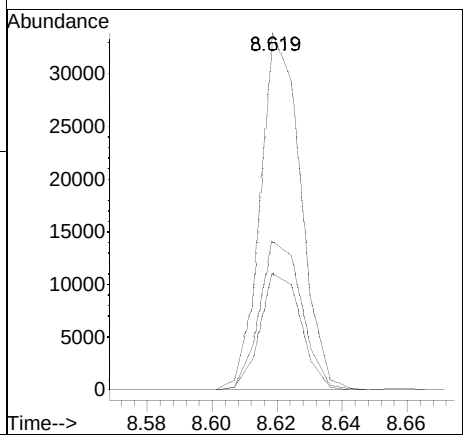


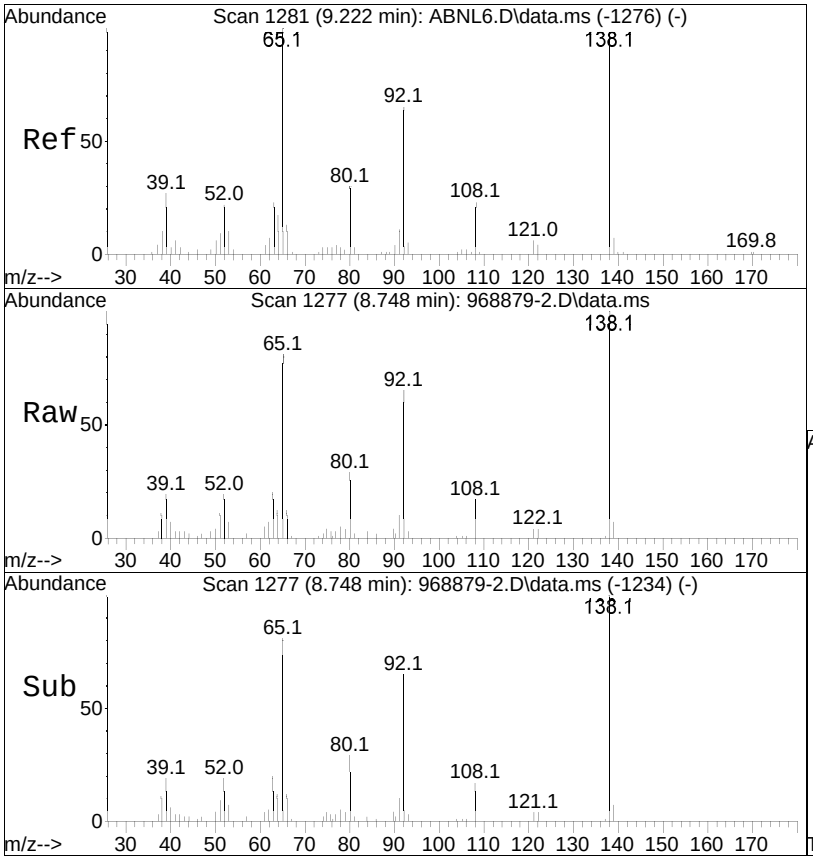


#47
2-Chloronaphthalene
Concen: 1.41 ug/ml
RT: 8.619 min Scan# 1255
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:162 Resp: 28950

Ion	Ratio	Lower	Upper
162	100		
127	43.8	32.2	48.4
164	33.4	25.7	38.5

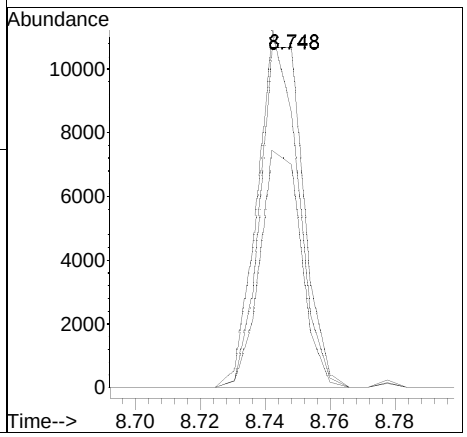


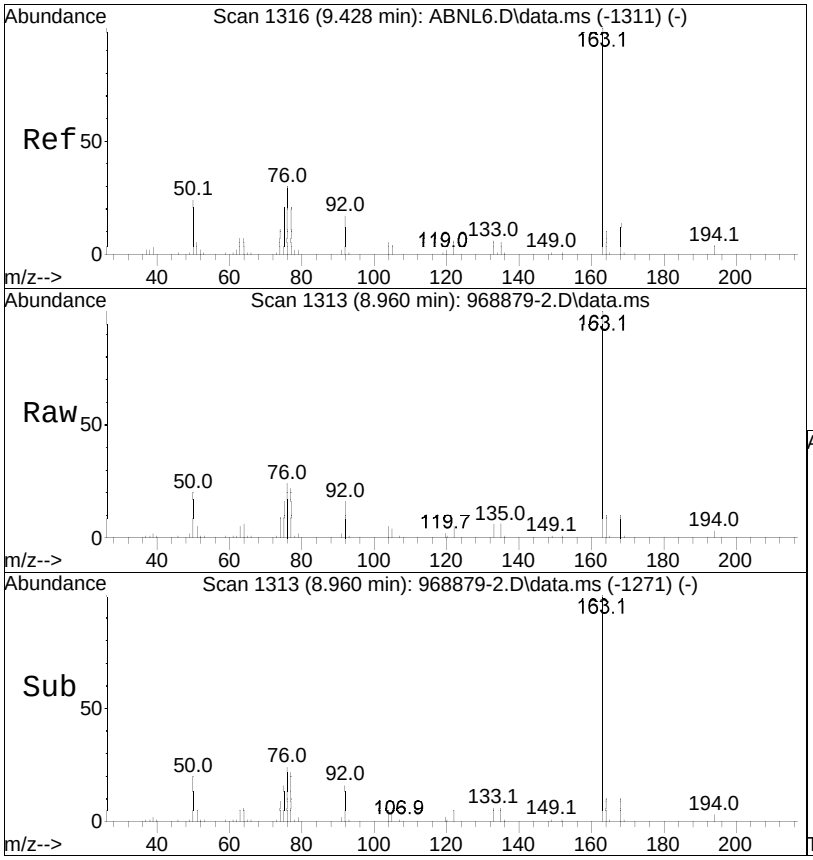


#48
2-Nitroaniline
Concen: 1.61 ug/ml
RT: 8.748 min Scan# 1277
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:138 Resp: 9934

Ion	Ratio	Lower	Upper
138	100		
92	66.2	53.5	80.3
65	97.1	86.3	129.5

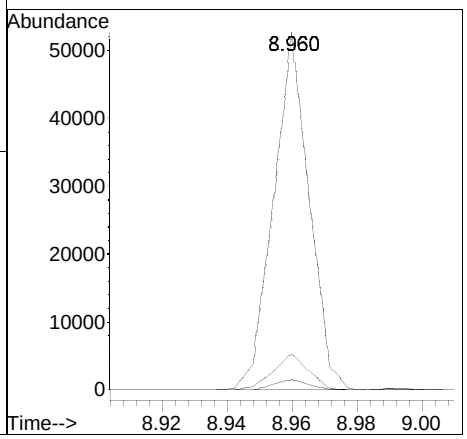


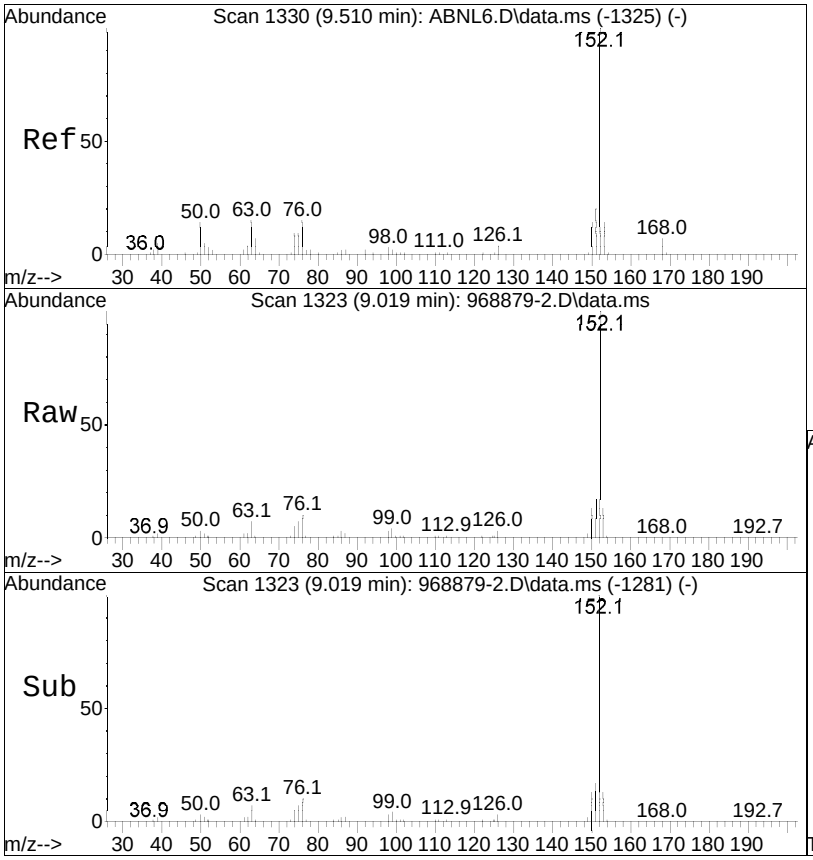


#51
Dimethyl phthalate
Concen: 1.59 ug/ml
RT: 8.960 min Scan# 1313
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:163 Resp: 39660

Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.5	5.3#
164	10.1	7.9	11.9

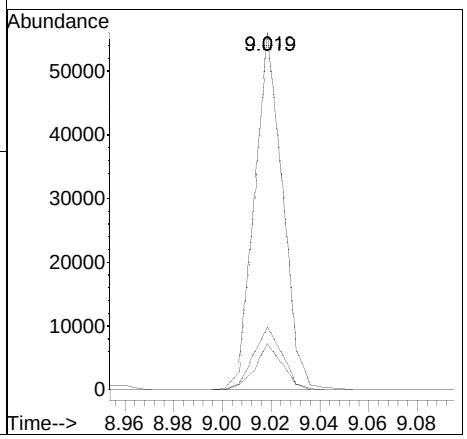


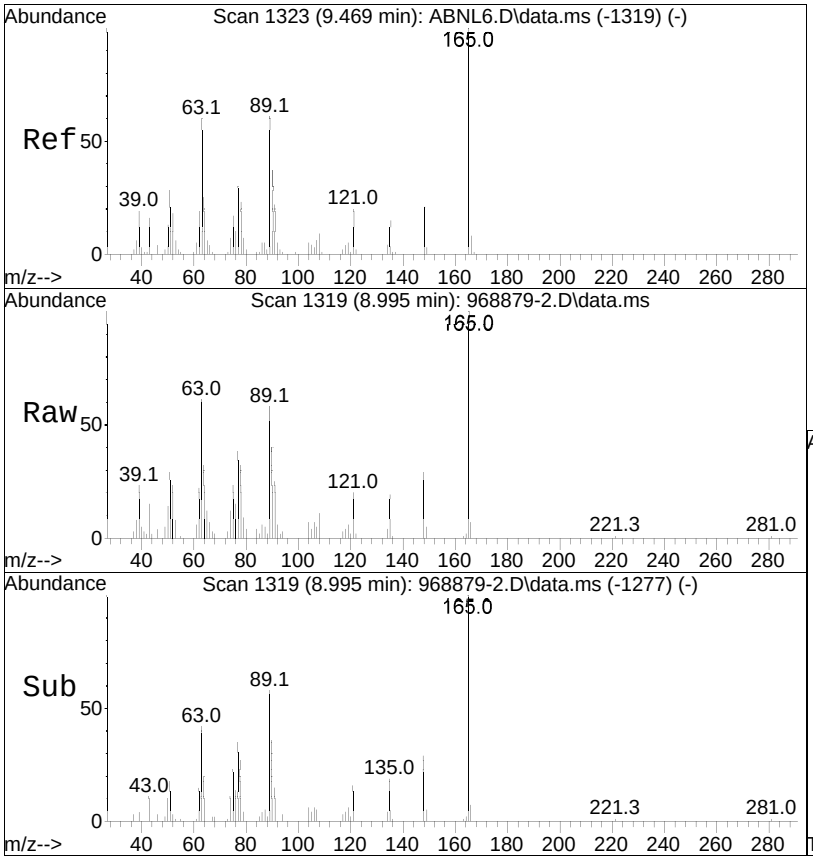


#52
Acenaphthylene
Concen: 1.42 ug/ml
RT: 9.019 min Scan# 1323
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:152 Resp: 44569

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.8	23.6
153	12.6	10.5	15.7

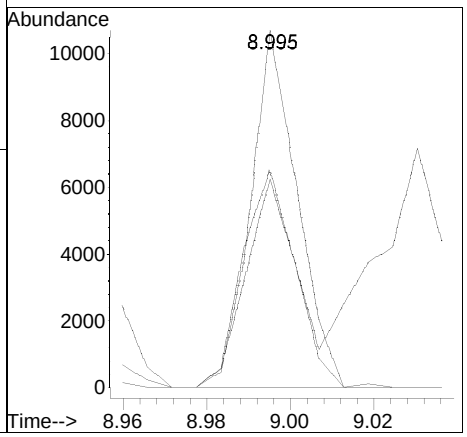


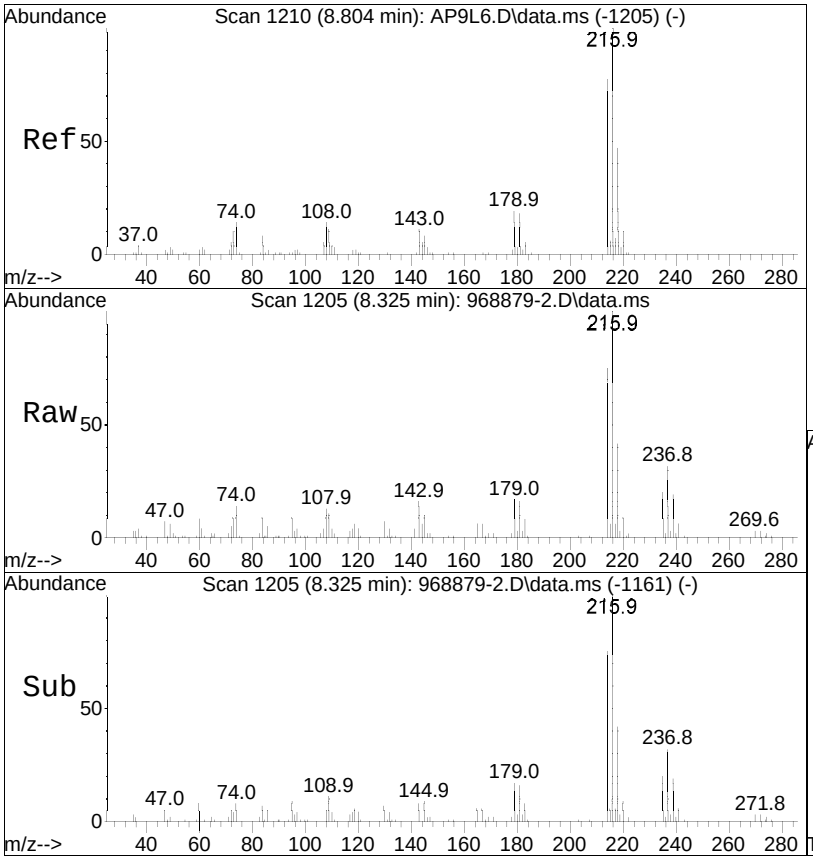


#53
2,6-Dinitrotoluene
Concen: 1.54 ug/ml
RT: 8.995 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:165 Resp: 8292

Ion	Ratio	Lower	Upper
165	100		
89	63.5	54.2	81.2
63	69.6	64.2	96.2

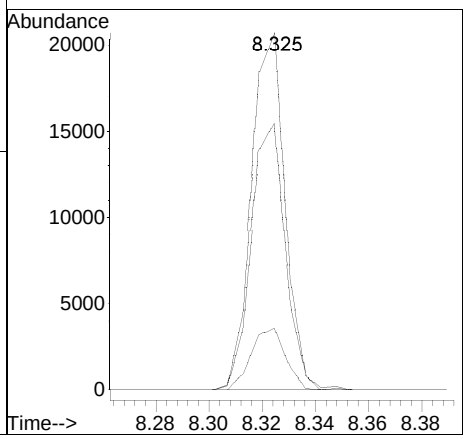


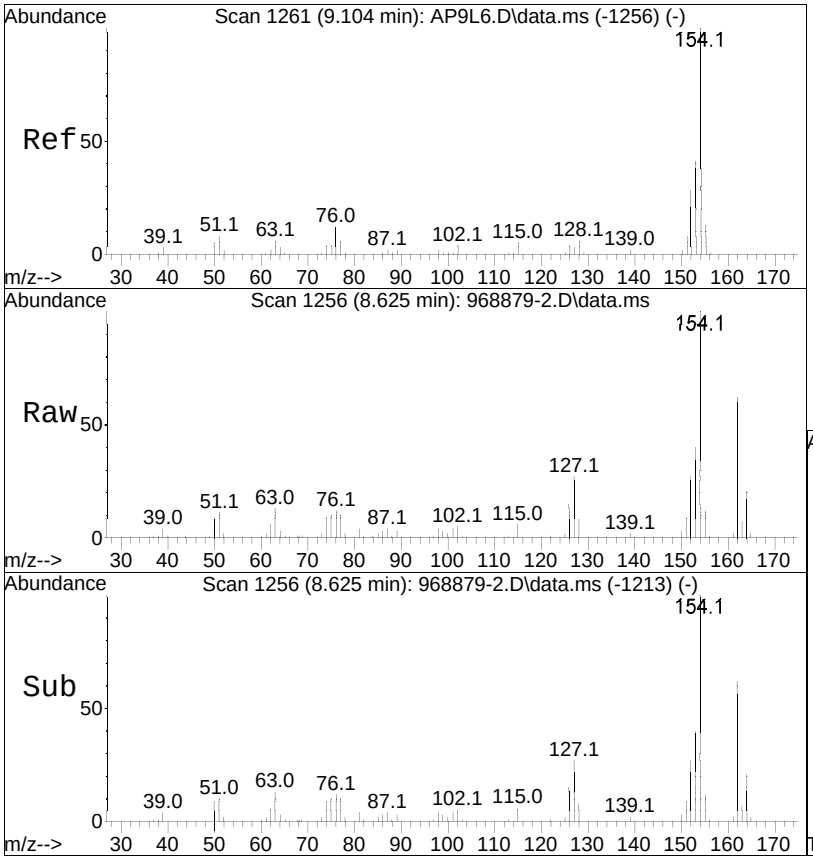


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.31 ug/ml
RT: 8.325 min Scan# 1205
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:216 Resp: 18126

Ion	Ratio	Lower	Upper
216	100		
214	75.9	63.7	95.5
179	17.8	19.0	28.6#

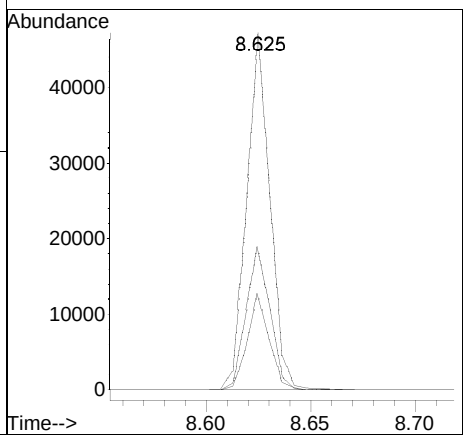


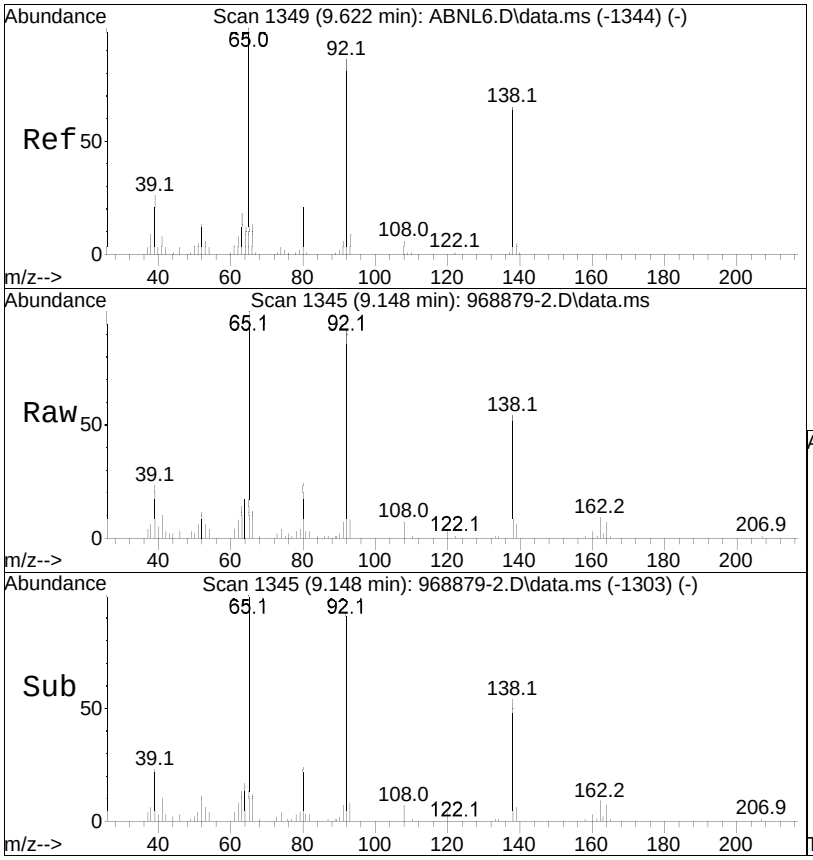


#62
Biphenyl
Concen: 1.33 ug/ml
RT: 8.625 min Scan# 1256
Delta R.T. 0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:154 Resp: 36295

Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.3	48.5
152	25.7	22.5	33.7

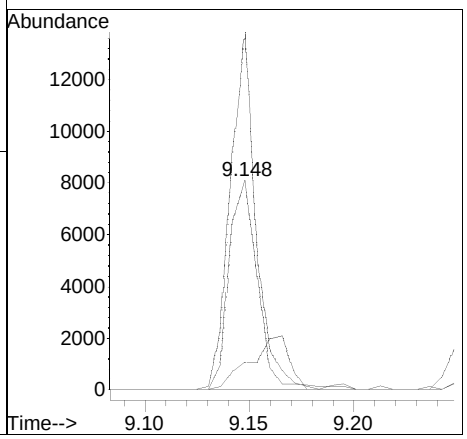


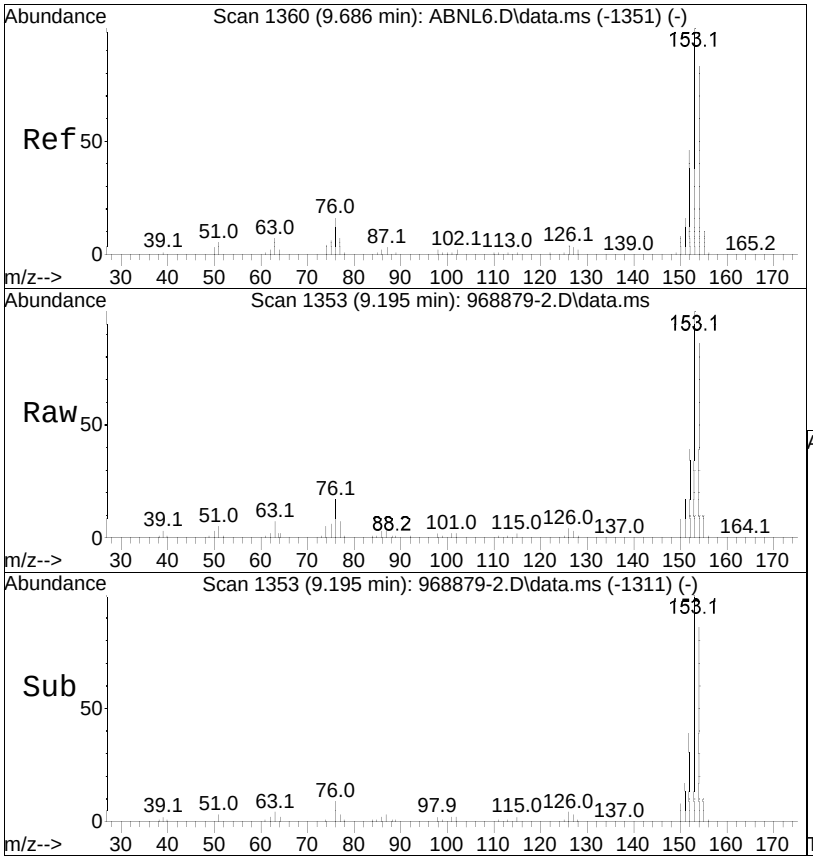


#64
3-Nitroaniline
Concen: 1.43 ug/ml
RT: 9.148 min Scan# 1345
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:138 Resp: 7632

Ion	Ratio	Lower	Upper
138	100		
92	153.2	93.4	140.2#
108	35.7	9.5	14.3#

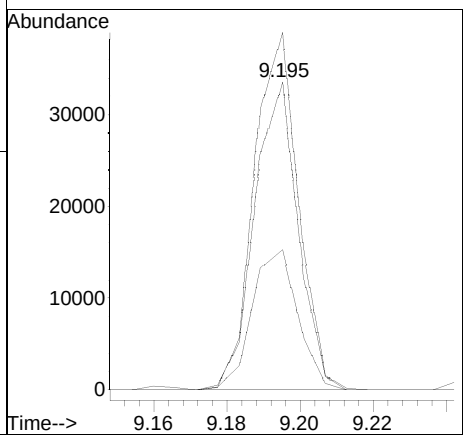


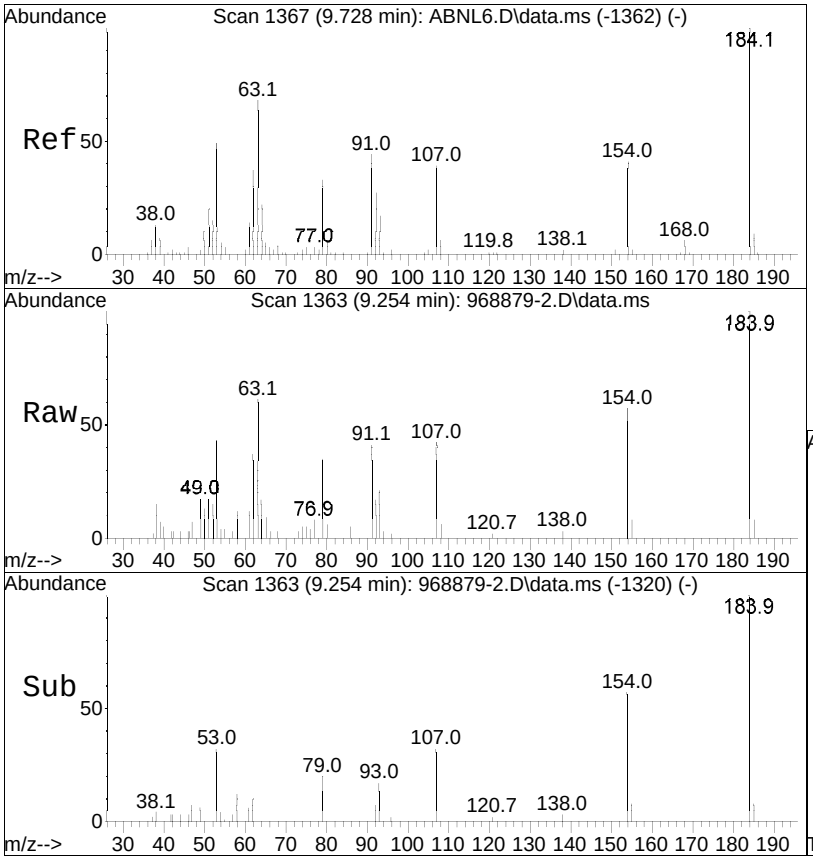


#65
Acenaphthene
Concen: 1.44 ug/ml
RT: 9.195 min Scan# 1353
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:154 Resp: 27733

Ion	Ratio	Lower	Upper
154	100		
153	117.5	85.3	127.9
152	48.1	41.4	62.0

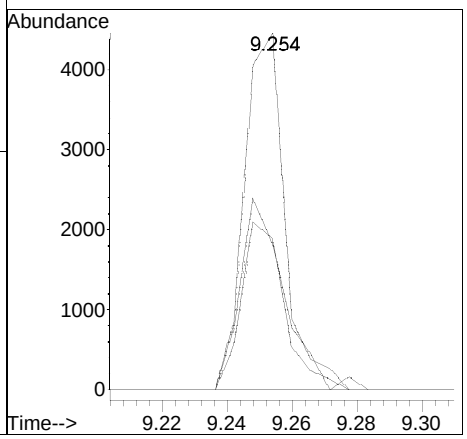


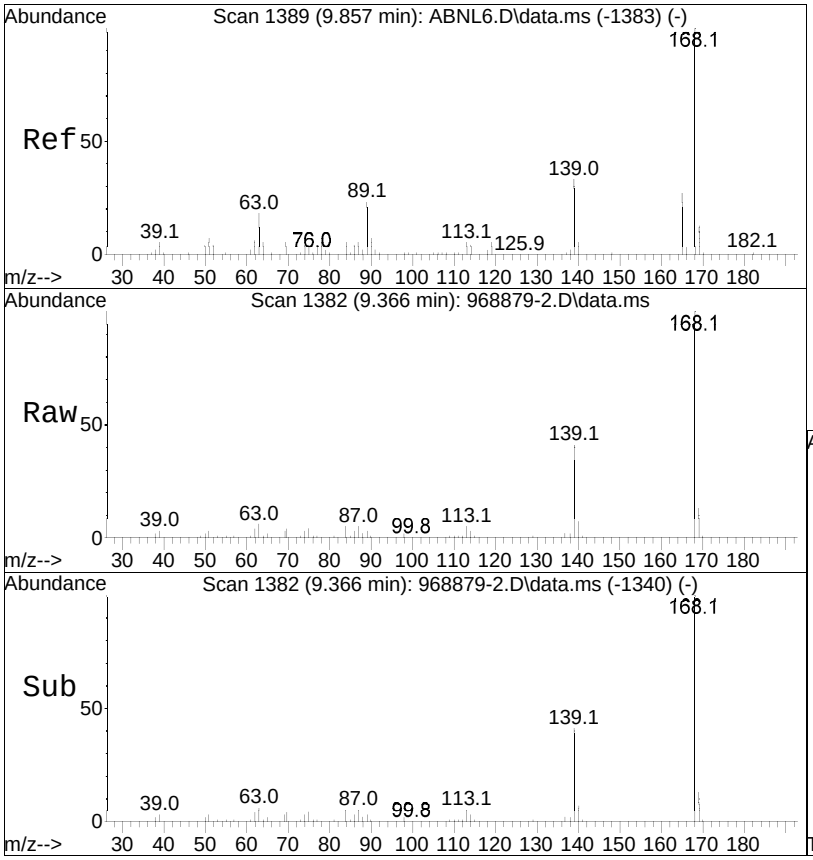


#66
2,4-Dinitrophenol
Concen: 1.08 ug/ml
RT: 9.254 min Scan# 1363
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:184 Resp: 3852

Ion	Ratio	Lower	Upper
184	100		
107	49.9	37.7	56.5
91	58.4	46.3	69.5

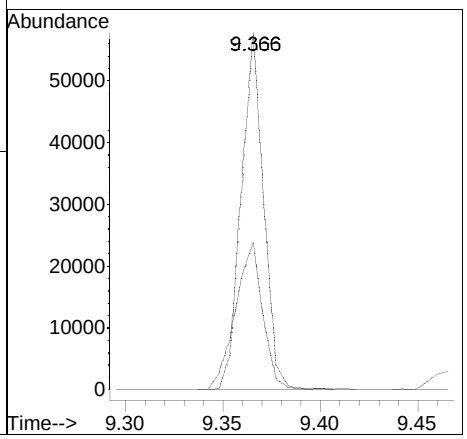


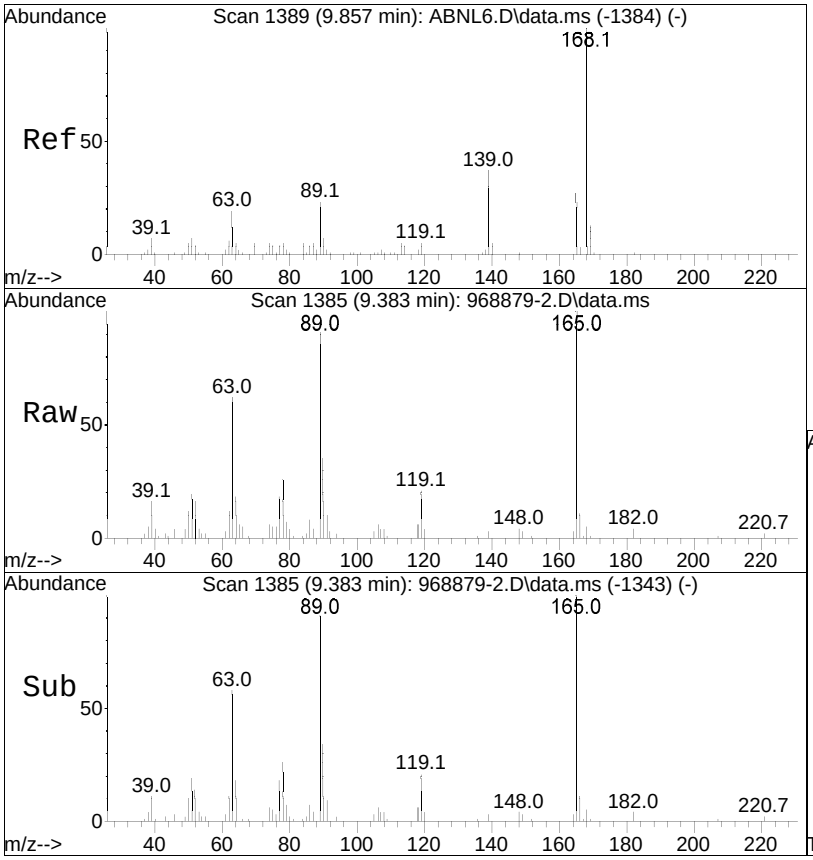


#67
Dibenzofuran
Concen: 1.41 ug/ml
RT: 9.366 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:168 Resp: 45579

Ion	Ratio	Lower	Upper
168	100		
139	50.9	31.4	47.2#

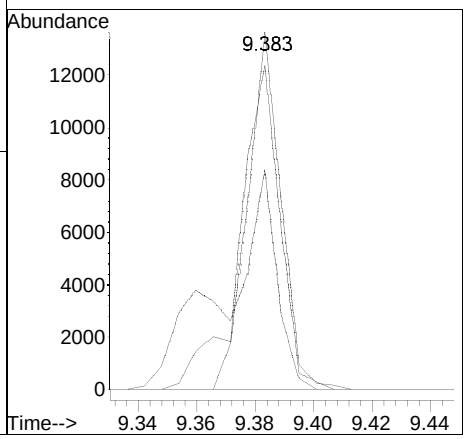


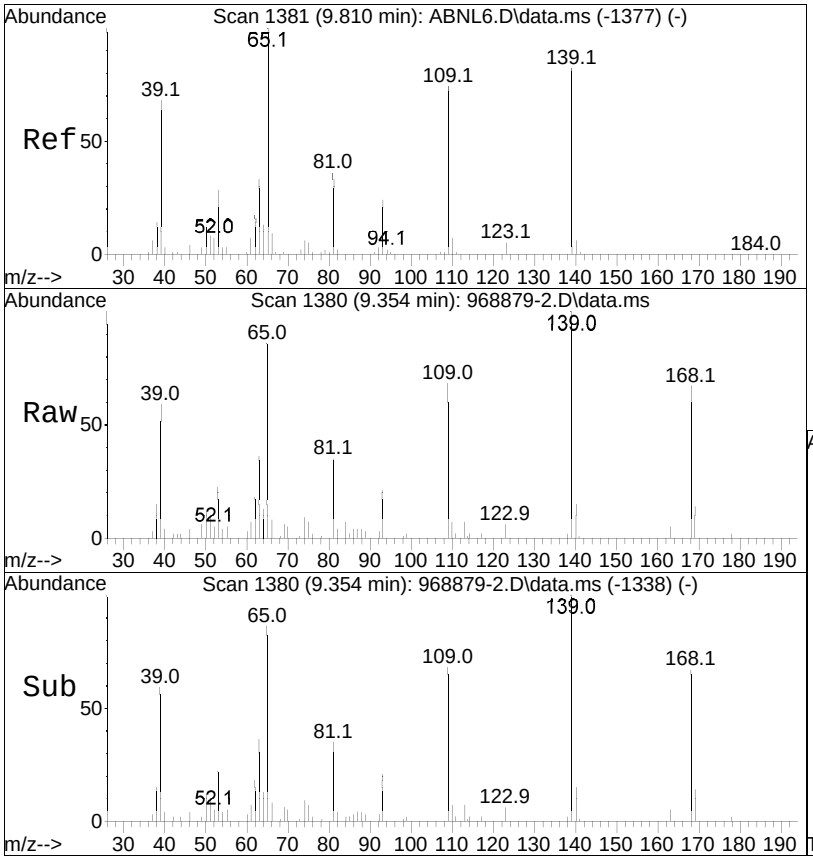


#68
2,4-Dinitrotoluene
Concen: 1.36 ug/ml
RT: 9.383 min Scan# 1385
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:165 Resp: 10755

Ion	Ratio	Lower	Upper
165	100		
89	109.5	72.0	108.0#
63	52.0	52.7	79.1#

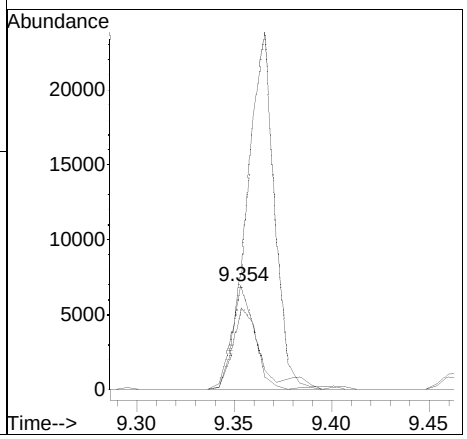


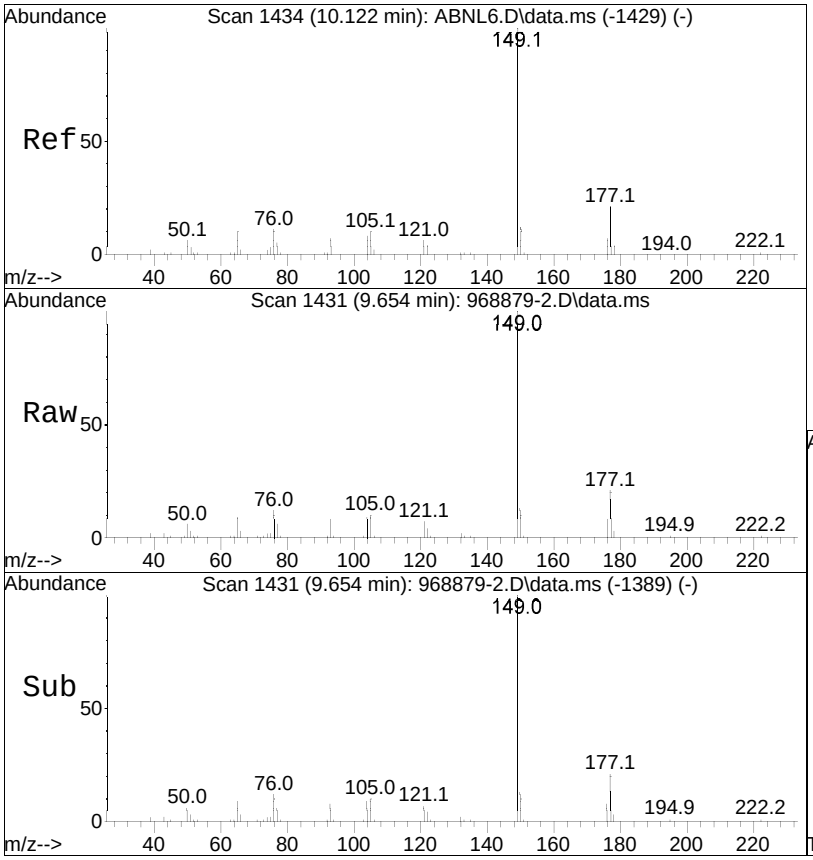


#69
4-Nitrophenol
Concen: 1.21 ug/ml
RT: 9.354 min Scan# 1380
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion: 65 Resp: 6550

Ion	Ratio	Lower	Upper
65	100		
109	72.1	47.4	71.2#
139	354.0	76.6	115.0#

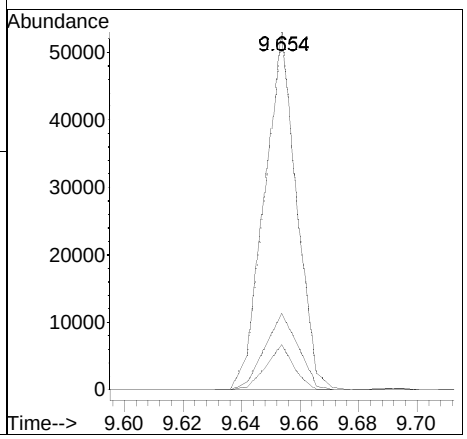


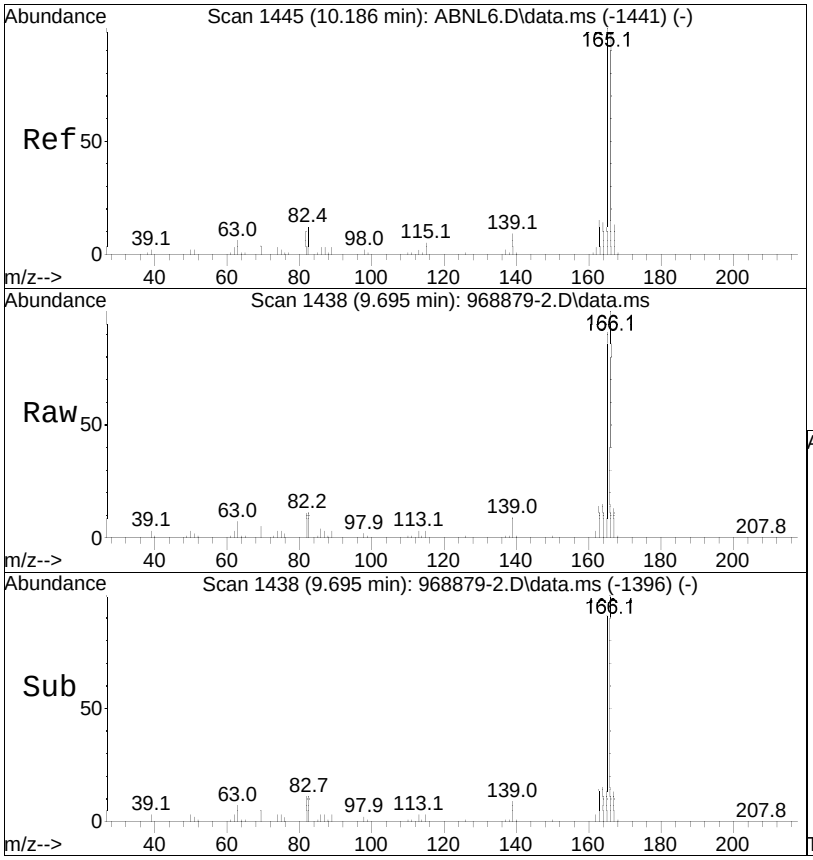


#72
Diethyl phthalate
Concen: 1.57 ug/ml
RT: 9.654 min Scan# 1431
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:149 Resp: 40100

Ion	Ratio	Lower	Upper
149	100		
177	22.6	16.1	24.1
150	11.2	9.4	14.2

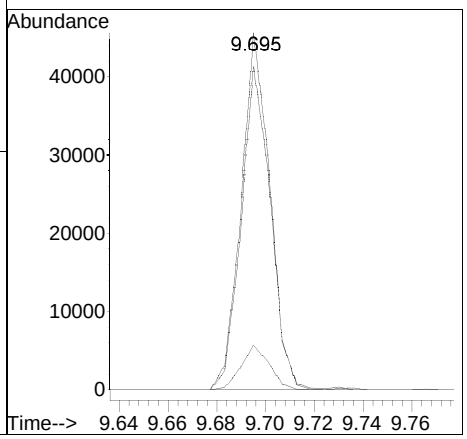


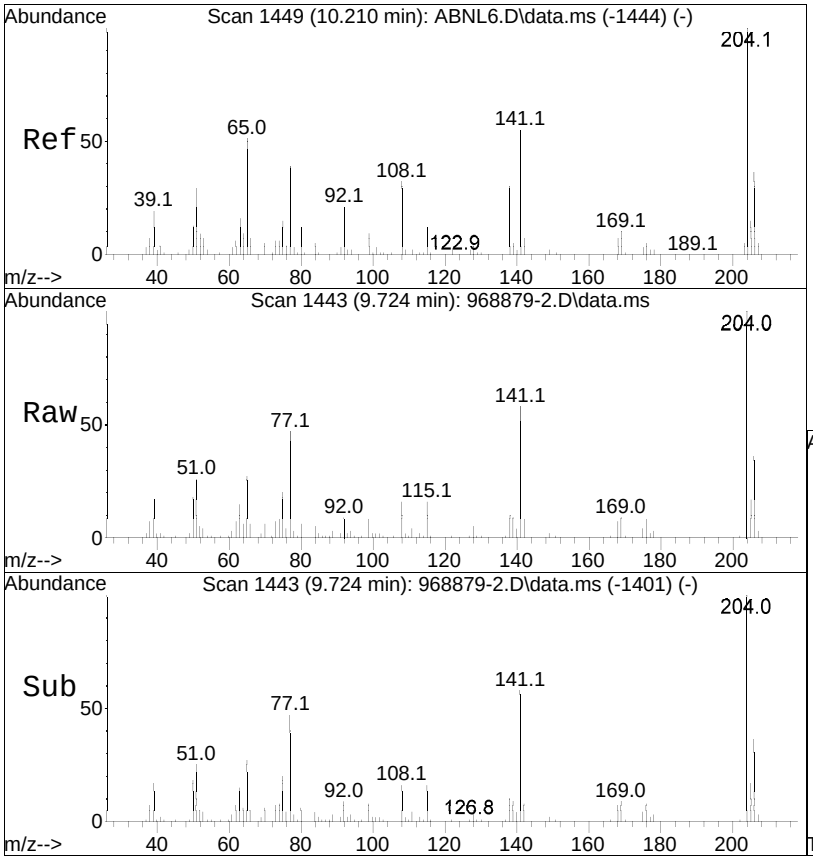


#73
Fluorene
Concen: 1.47 ug/ml
RT: 9.695 min Scan# 1438
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:166 Resp: 37401

Ion	Ratio	Lower	Upper
166	100		
165	91.5	76.2	114.2
167	12.3	10.6	15.8

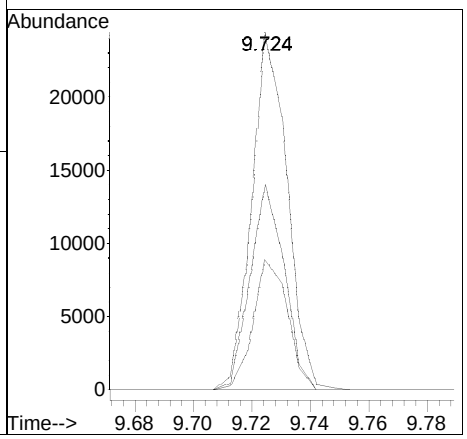


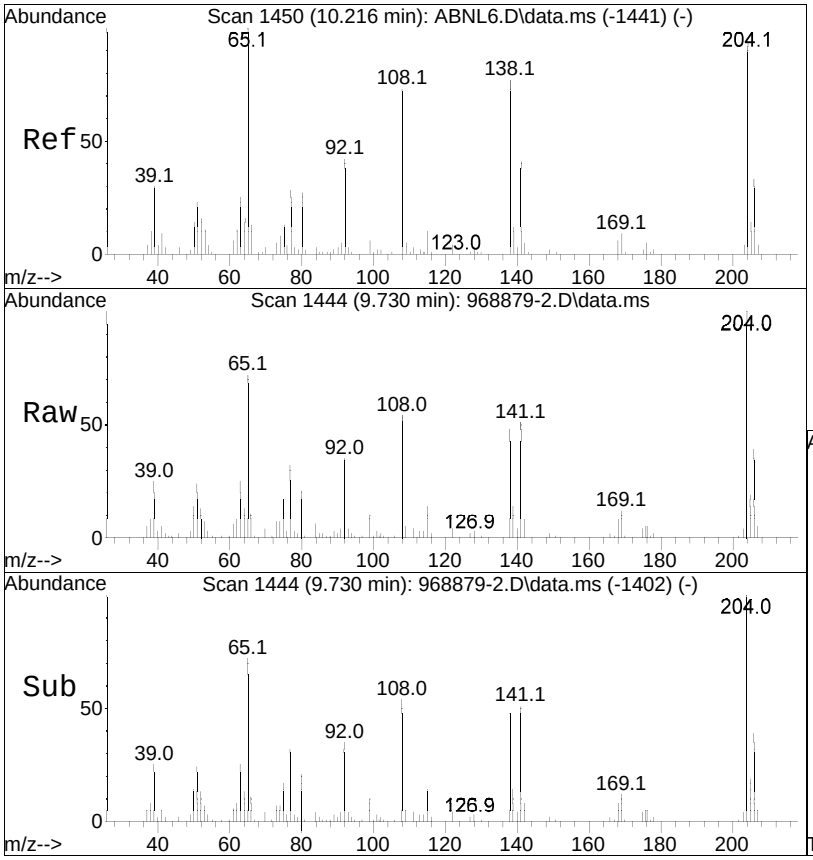


#74
4-Chlorophenyl phenyl ether
Concen: 1.52 ug/ml
RT: 9.724 min Scan# 1443
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:204 Resp: 20368

Ion	Ratio	Lower	Upper
204	100		
206	35.6	25.8	38.6
141	55.6	53.6	80.4

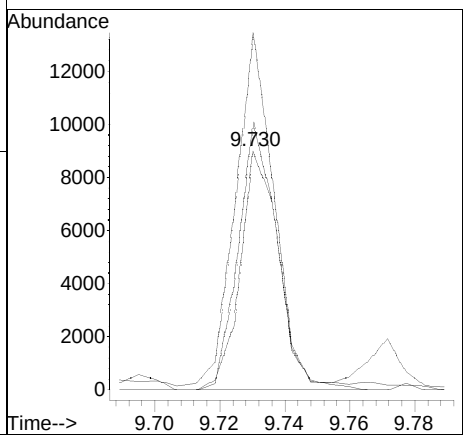


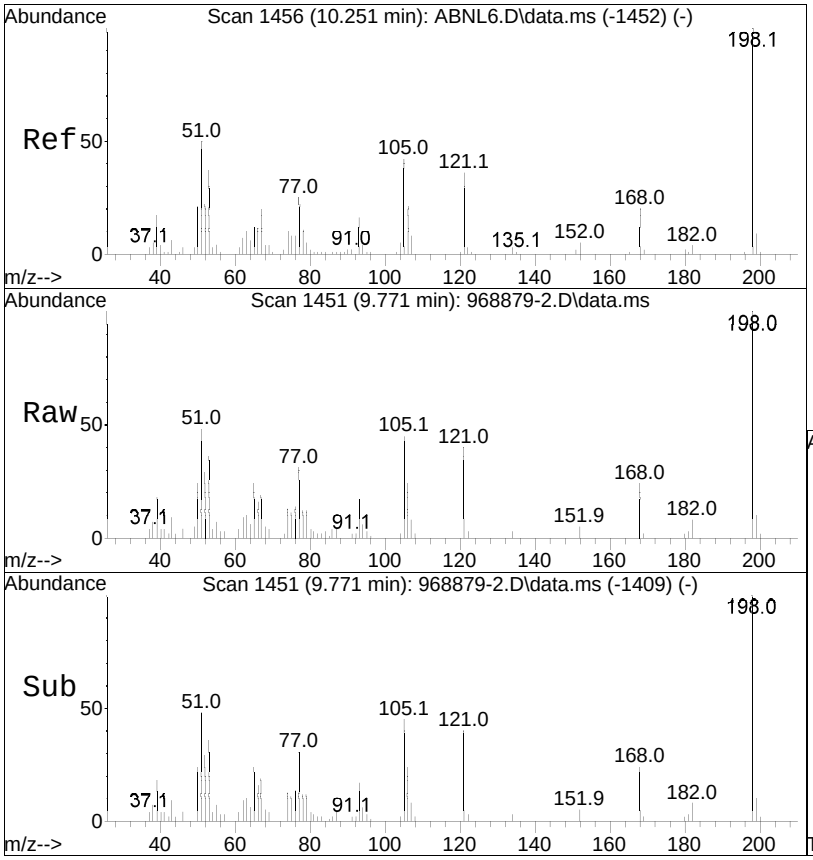


#75
4-Nitroaniline
Concen: 1.34 ug/ml
RT: 9.730 min Scan# 1444
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:138 Resp: 7433

Ion	Ratio	Lower	Upper
138	100		
108	116.1	52.1	78.1#
65	149.3	115.0	172.6

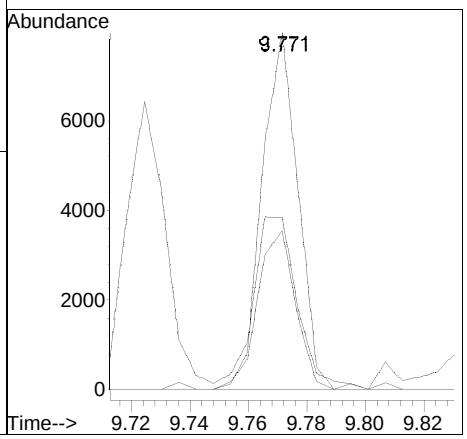


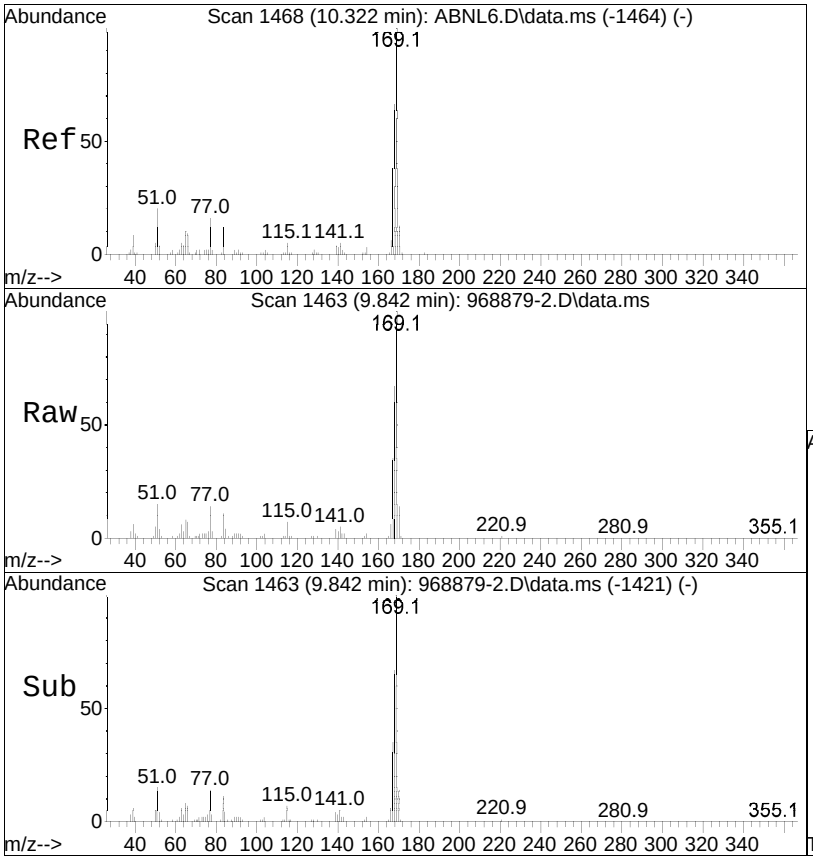


#76
4,6-Dinitro-o-cresol
Concen: 1.54 ug/ml
RT: 9.771 min Scan# 1451
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:198 Resp: 6818

Ion	Ratio	Lower	Upper
198	100		
51	59.5	76.0	114.0#
105	47.1	45.6	68.4

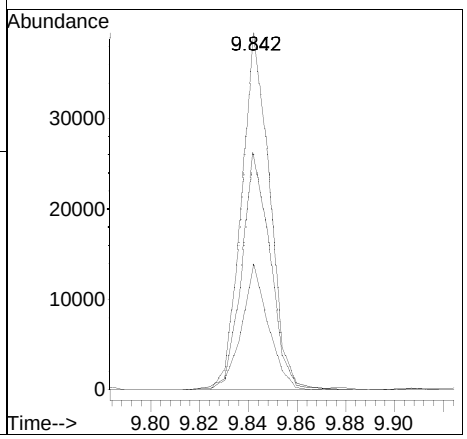


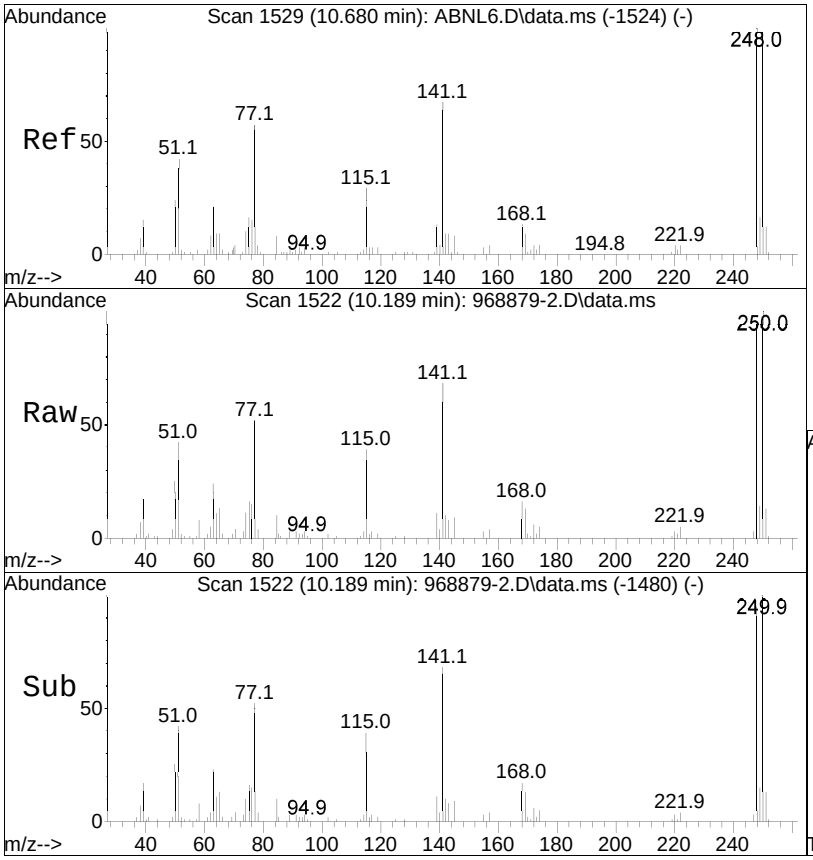


#77
NDPA/DPA
Concen: 1.51 ug/ml
RT: 9.842 min Scan# 1463
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:169 Resp: 31801

Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.0	81.0
167	34.0	28.6	42.8

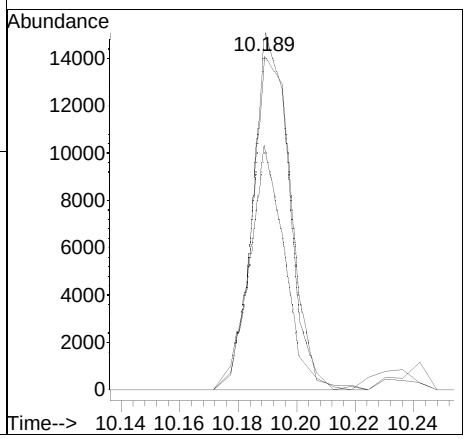


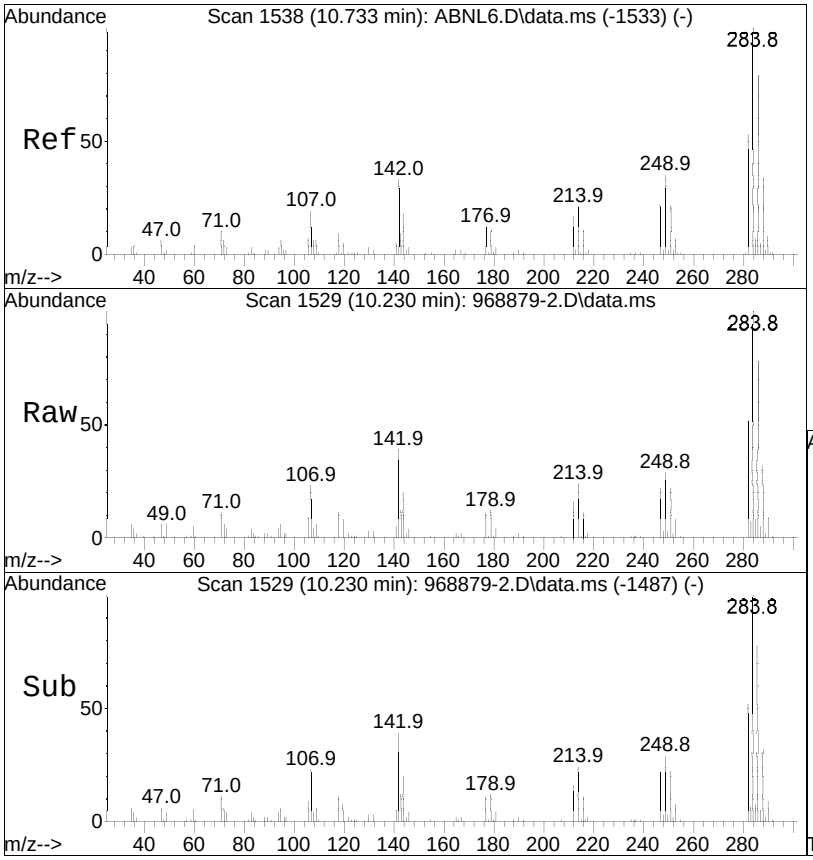


#80
4-Bromophenyl phenyl ether
Concen: 1.56 ug/ml
RT: 10.189 min Scan# 1522
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:248 Resp: 13017

Ion	Ratio	Lower	Upper
248	100		
141	66.2	76.6	114.8#
250	99.1	77.3	115.9

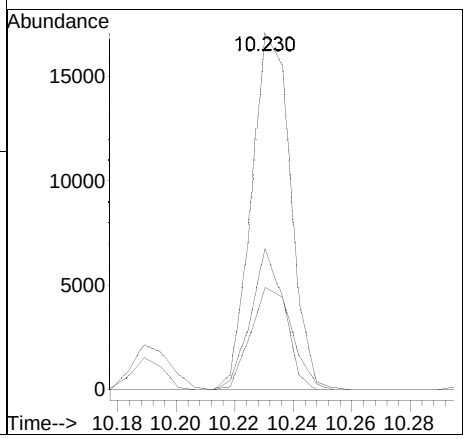


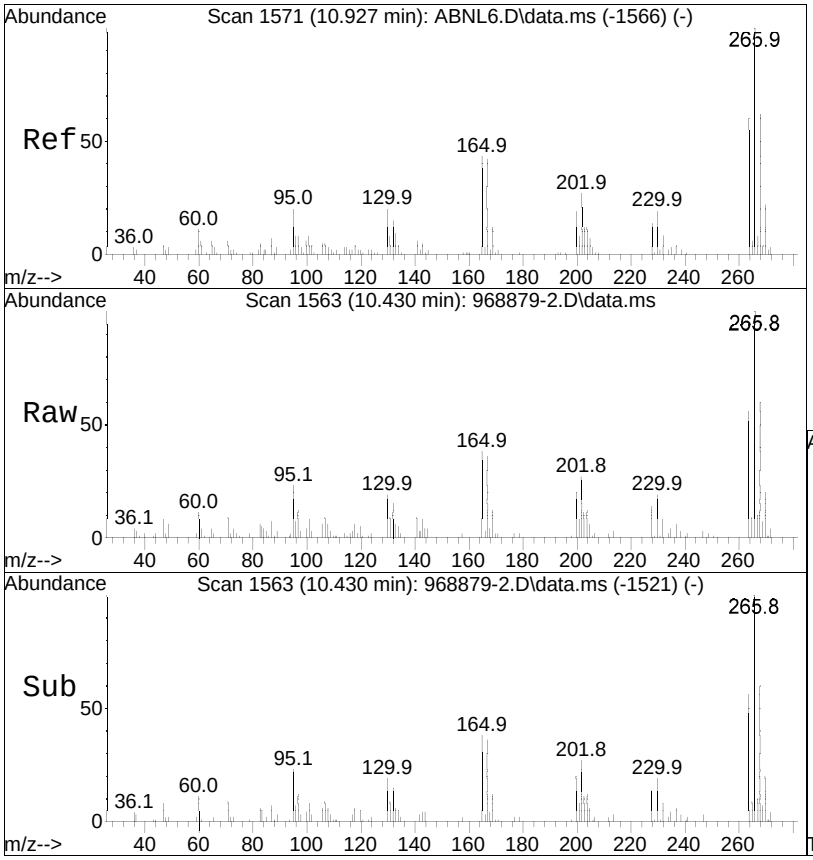


#81
Hexachlorobenzene
Concen: 1.67 ug/ml
RT: 10.230 min Scan# 1529
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:284 Resp: 15842

Ion	Ratio	Lower	Upper
284	100		
142	33.9	41.9	62.9#
249	30.6	24.1	36.1

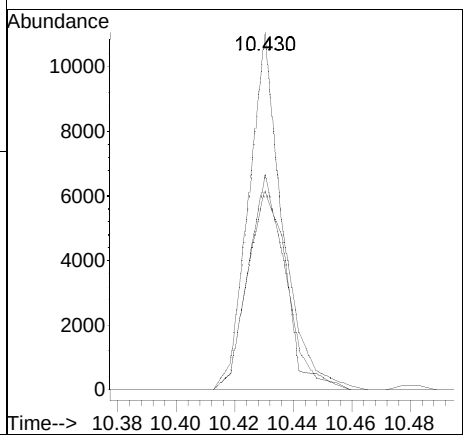


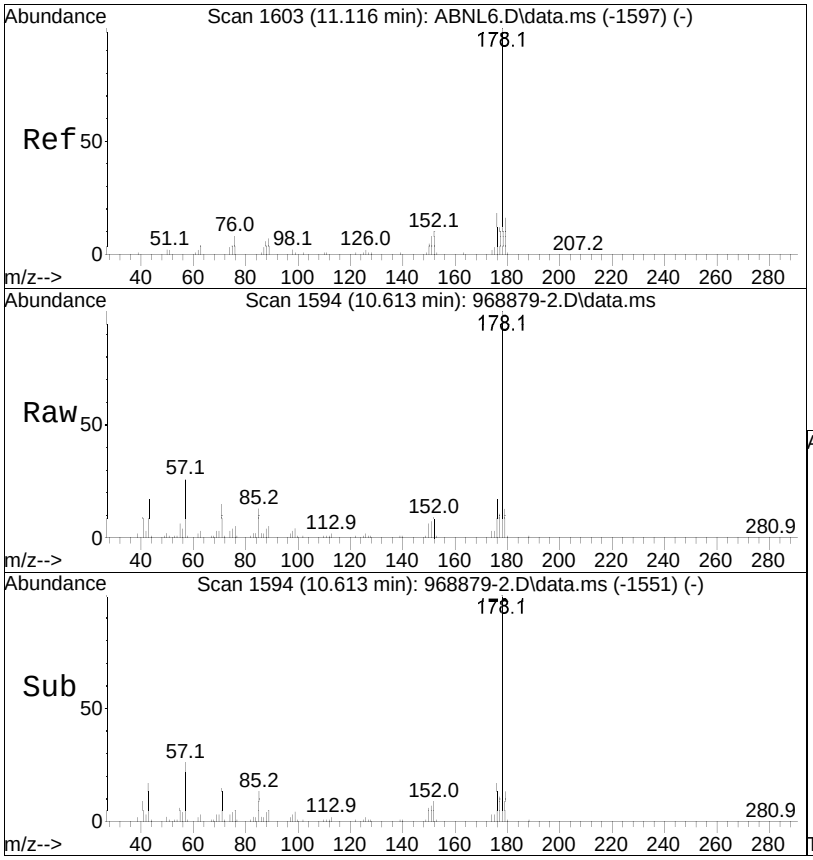


#82
Pentachlorophenol
Concen: 1.47 ug/ml
RT: 10.430 min Scan# 1563
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:266 Resp: 8852

Ion	Ratio	Lower	Upper
266	100		
264	64.9	49.7	74.5
268	67.1	50.5	75.7

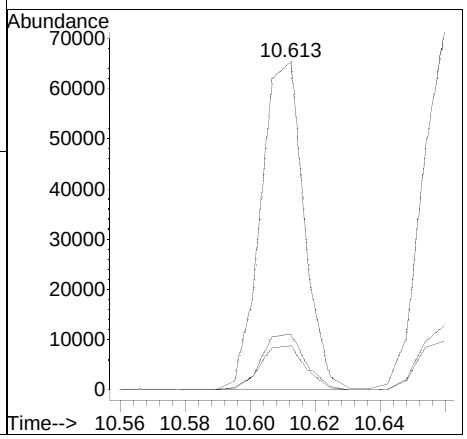


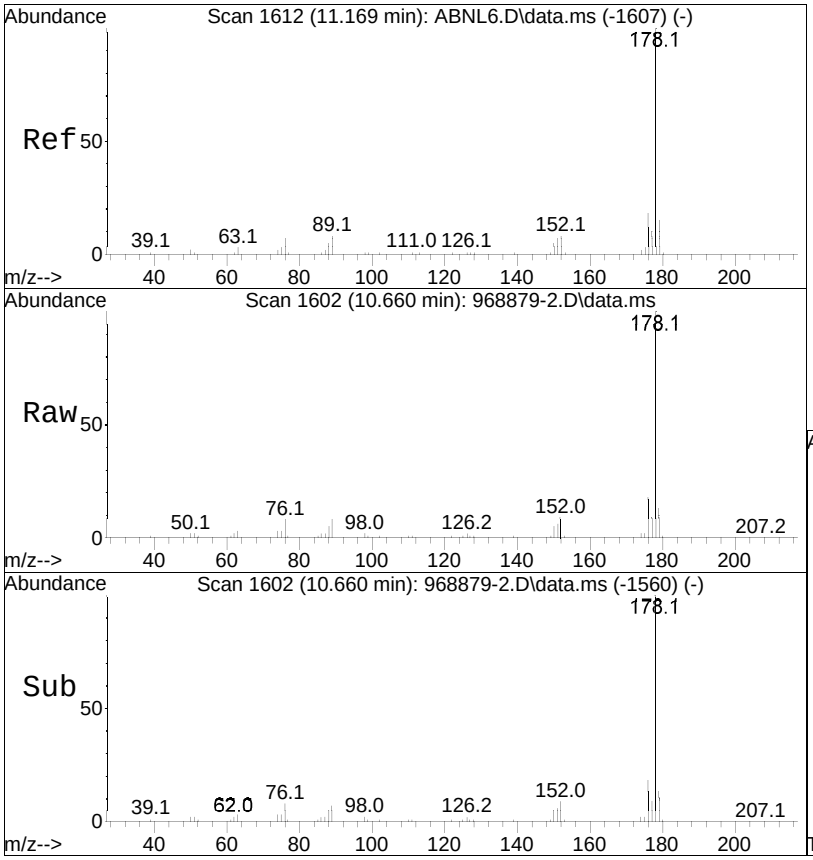


#89
Phenanthrene
Concen: 1.73 ug/ml
RT: 10.613 min Scan# 1594
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:178 Resp: 60430

Ion	Ratio	Lower	Upper
178	100		
179	14.0	12.2	18.2
176	17.3	15.4	23.2

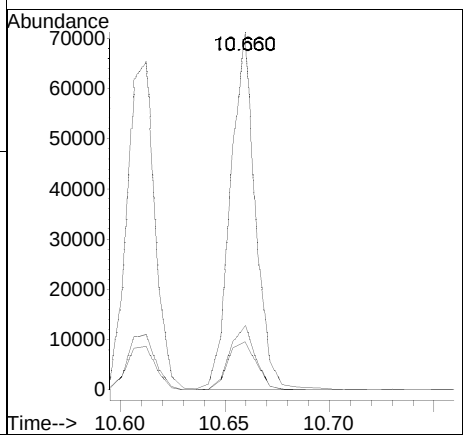


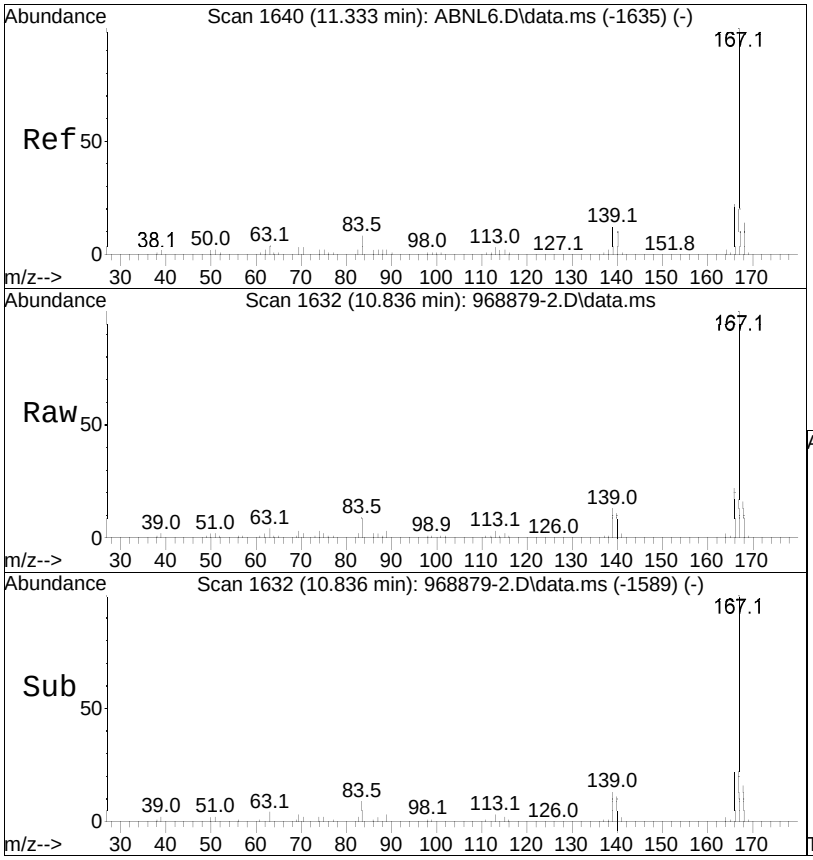


#90
Anthracene
Concen: 1.69 ug/ml
RT: 10.660 min Scan# 1602
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:178 Resp: 58943

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.7	14.6	22.0

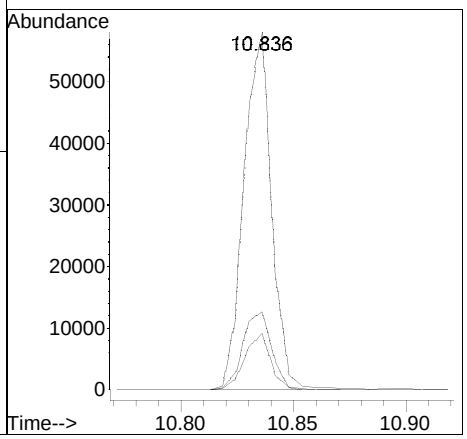


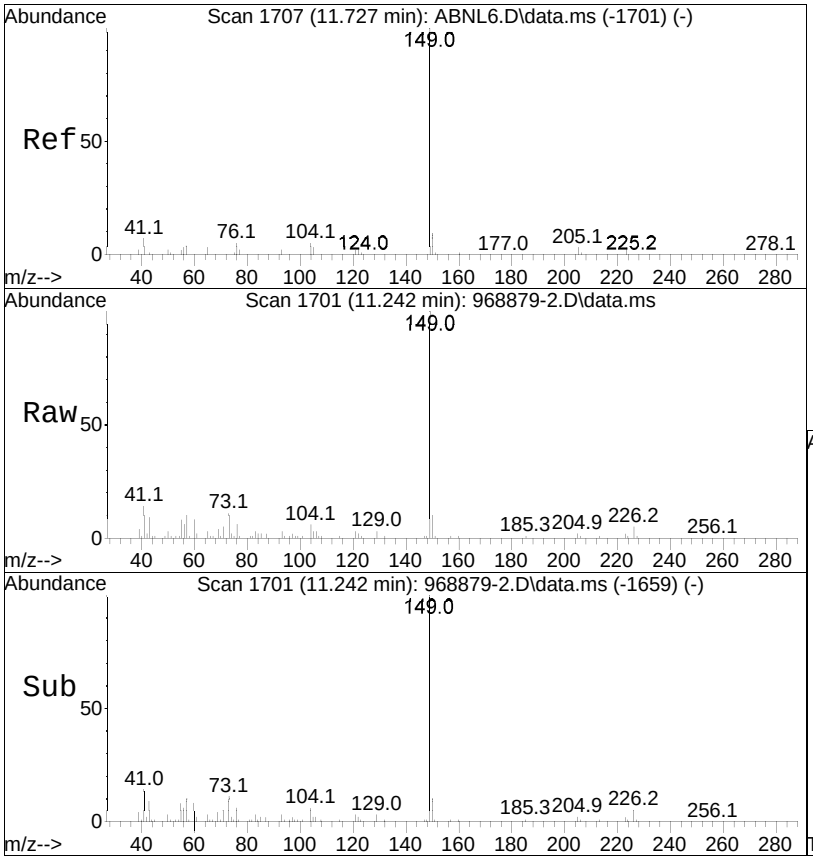


#91
Carbazole
Concen: 1.55 ug/ml
RT: 10.836 min Scan# 1632
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:167 Resp: 49297

Ion	Ratio	Lower	Upper
167	100		
168	15.2	10.6	15.8
166	22.7	17.4	26.0

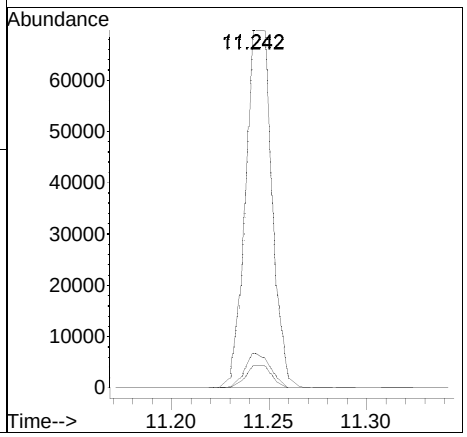


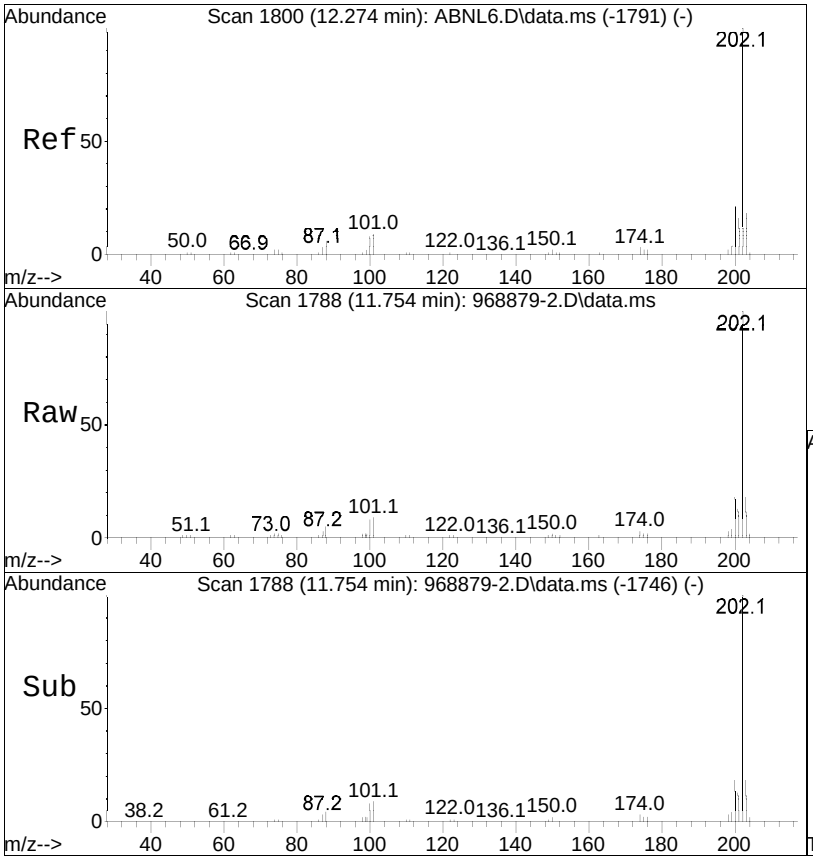


#92
Di-n-butylphthalate
Concen: 1.73 ug/ml
RT: 11.242 min Scan# 1701
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:149 Resp: 64863

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.0	10.6
104	6.3	4.5	6.7

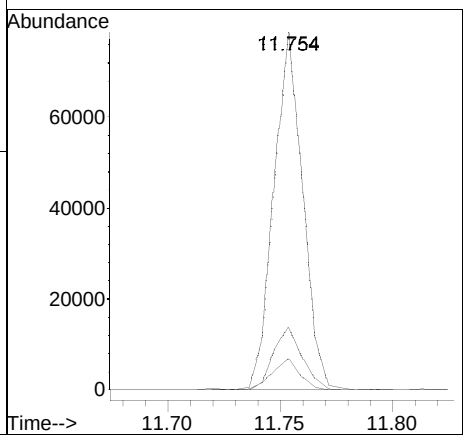


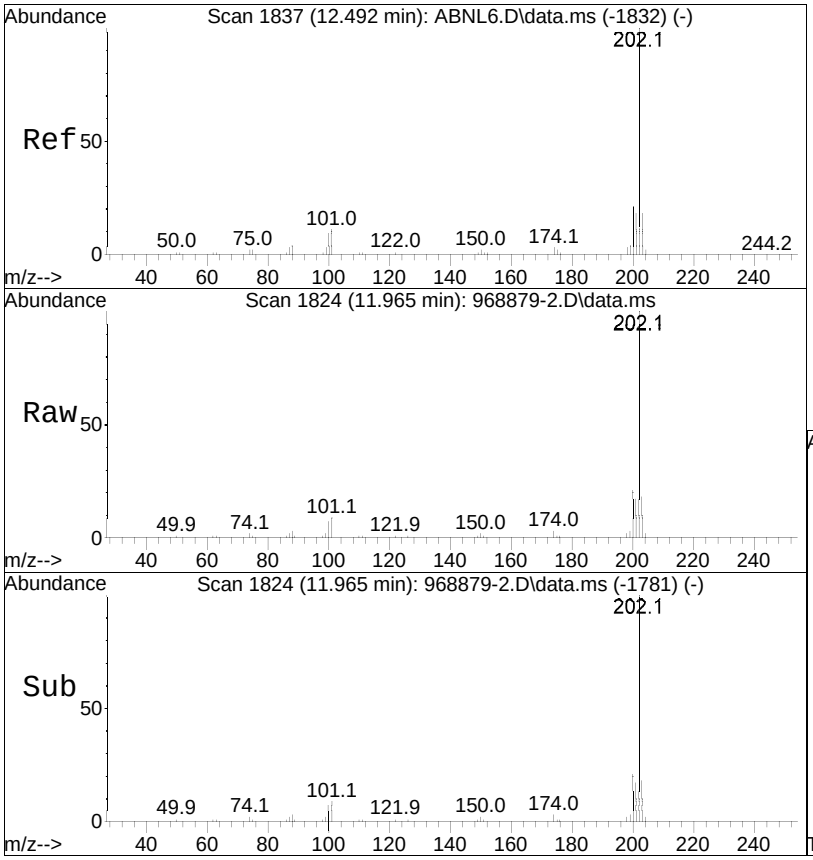


#93
Fluoranthene
Concen: 1.62 ug/ml
RT: 11.754 min Scan# 1788
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:202 Resp: 69402

Ion	Ratio	Lower	Upper
202	100		
101	8.4	13.5	20.3#
203	17.6	13.6	20.4

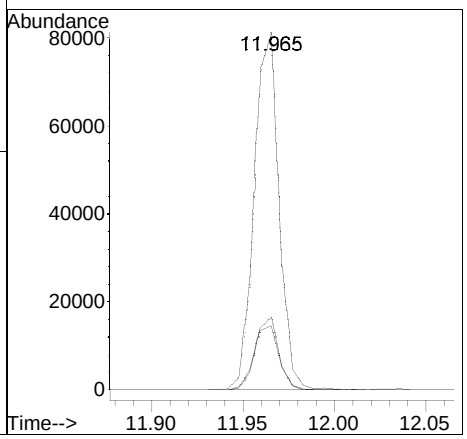


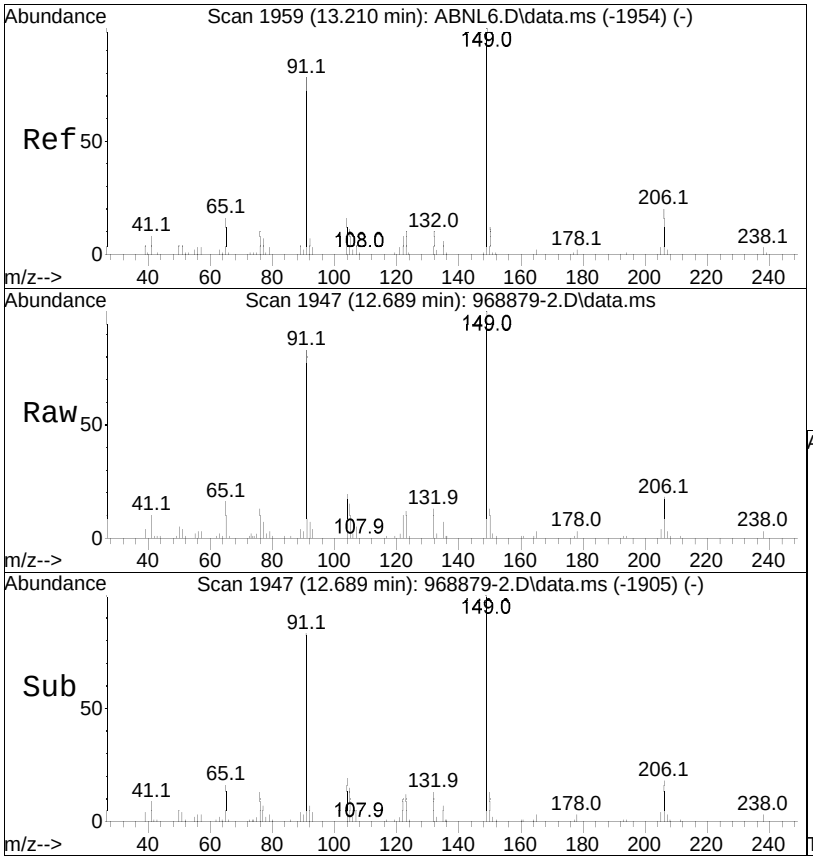


#95
Pyrene
Concen: 1.67 ug/ml
RT: 11.965 min Scan# 1824
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:202 Resp: 75501

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.7	25.1
203	18.0	14.2	21.4

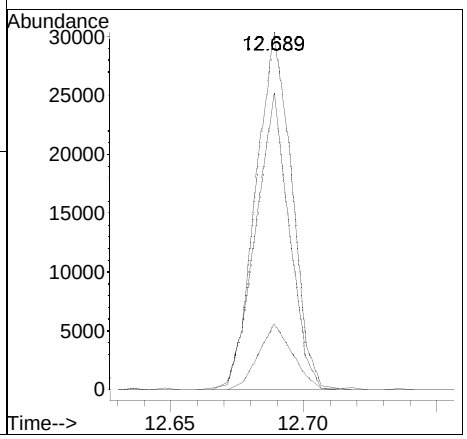


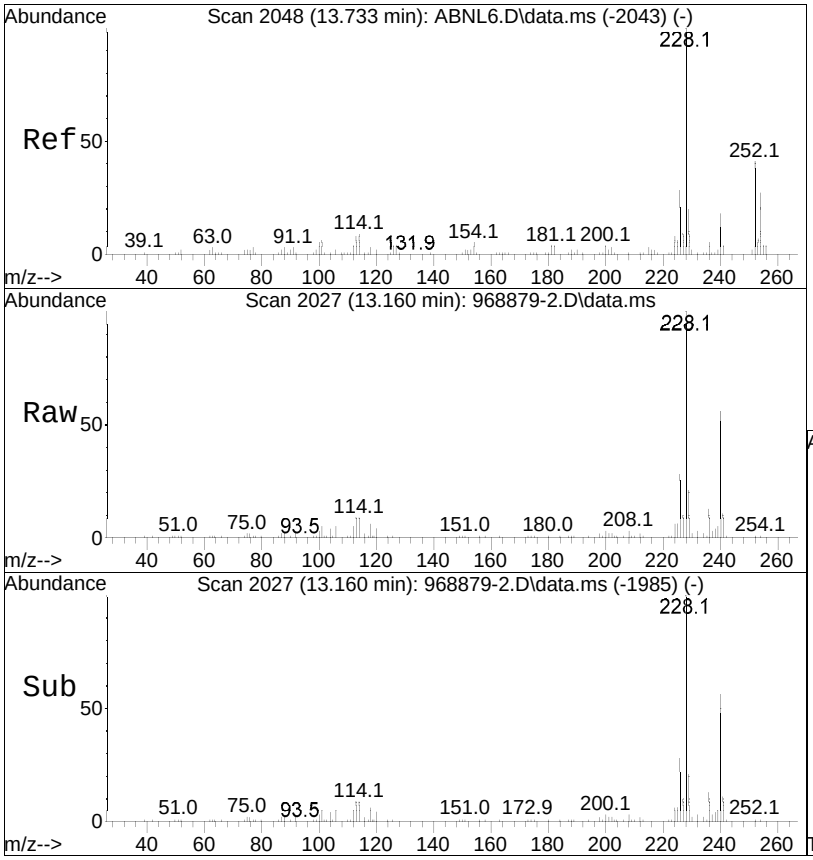


#97
Butyl benzyl phthalate
Concen: 1.64 ug/ml
RT: 12.689 min Scan# 1947
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:149 Resp: 28328

Ion	Ratio	Lower	Upper
149	100		
91	78.3	63.3	94.9
206	17.6	13.9	20.9

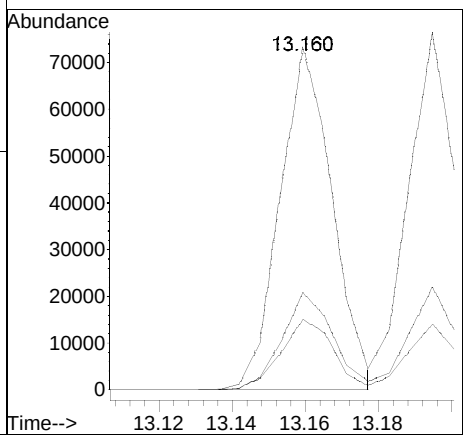


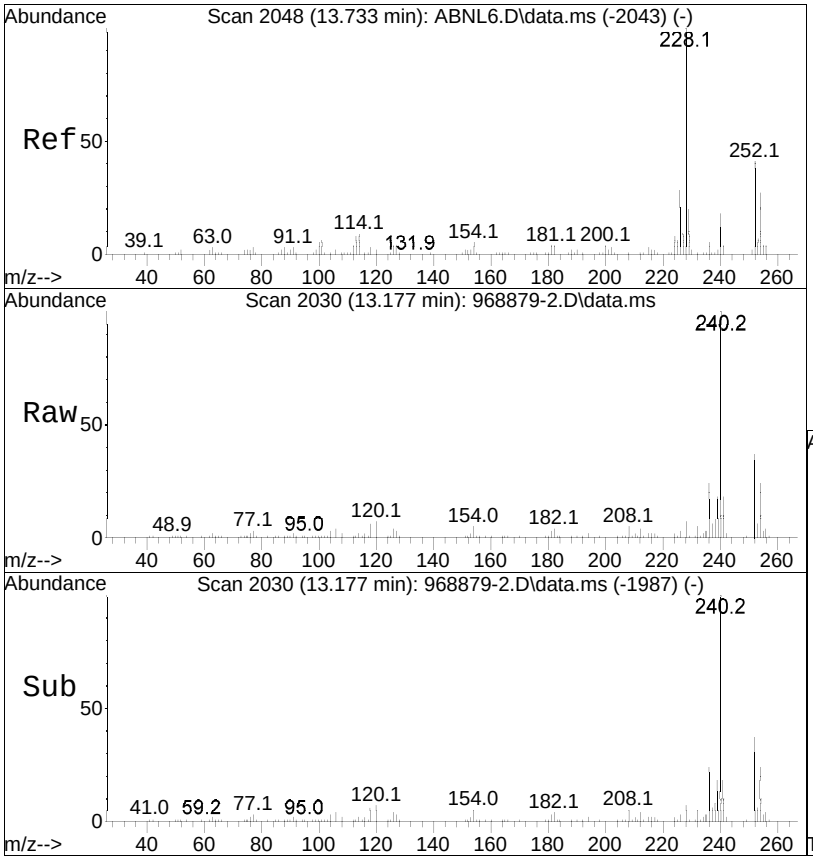


#105
Benzo(a)anthracene
Concen: 1.48 ug/ml
RT: 13.160 min Scan# 2027
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:228 Resp: 72732

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	20.7	15.6	23.4

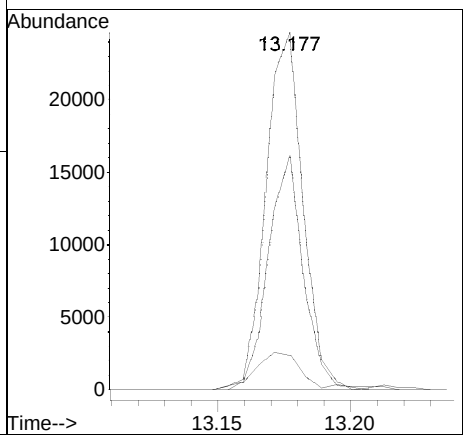


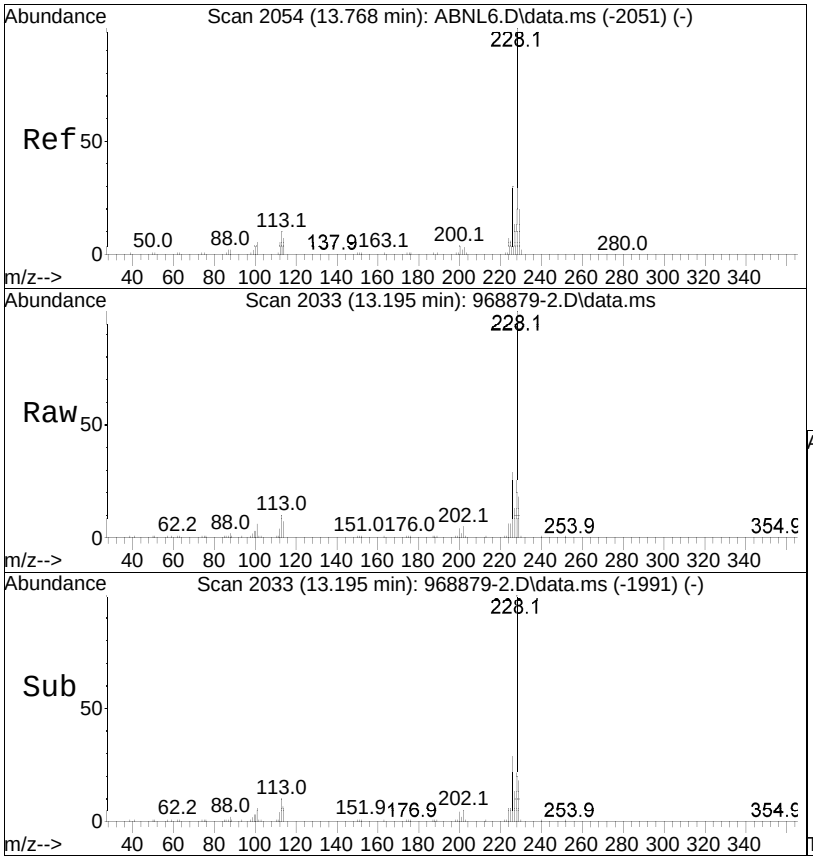


#106
3,3'-Dichlorobenzidine
Concen: 1.45 ug/ml
RT: 13.177 min Scan# 2030
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:252 Resp: 23657

Ion	Ratio	Lower	Upper
252	100		
126	13.4	14.5	21.7#
254	62.7	51.2	76.8

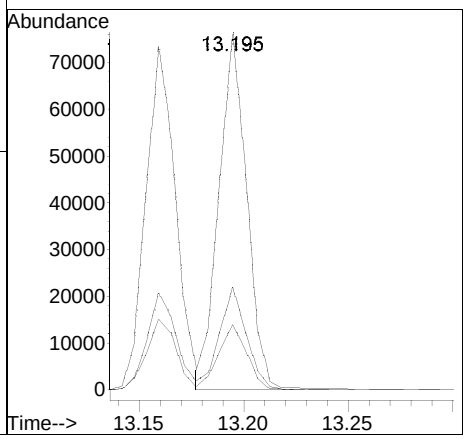


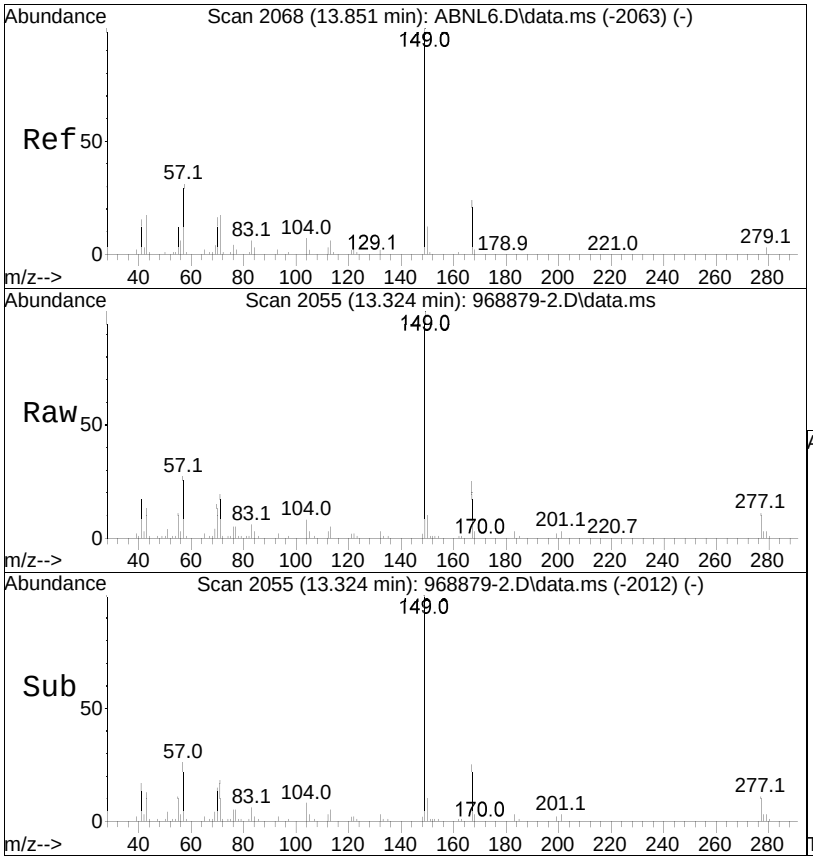


#107
Chrysene
Concen: 1.49 ug/ml
RT: 13.195 min Scan# 2033
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:228 Resp: 70885

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	18.6	15.8	23.8

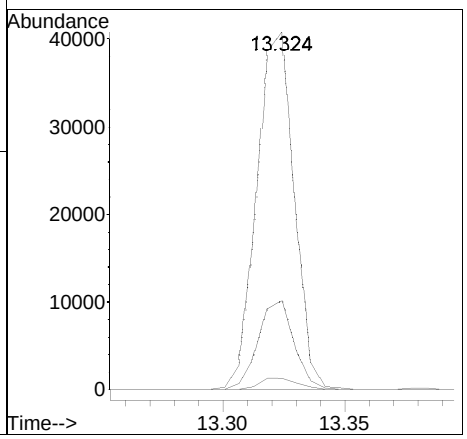


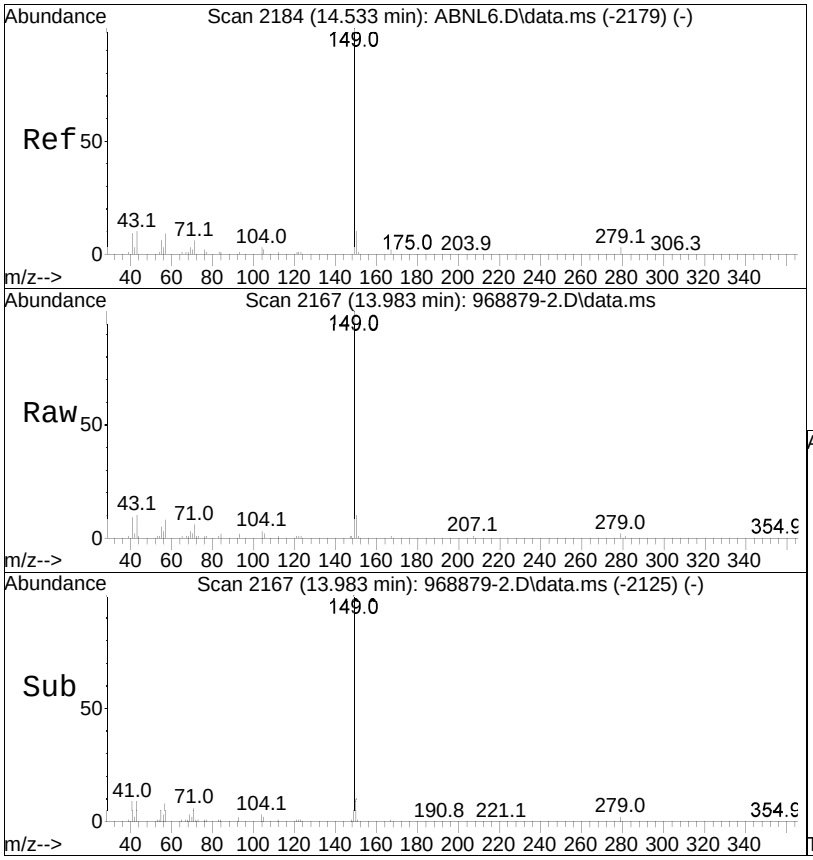


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.59 ug/ml
RT: 13.324 min Scan# 2055
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:149 Resp: 43125

Ion	Ratio	Lower	Upper
149	100		
167	24.0	22.1	33.1
279	3.0	3.0	4.4

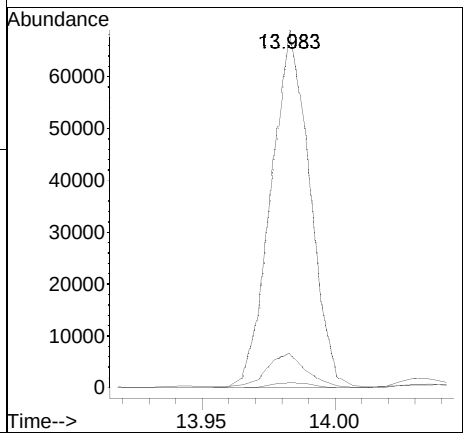


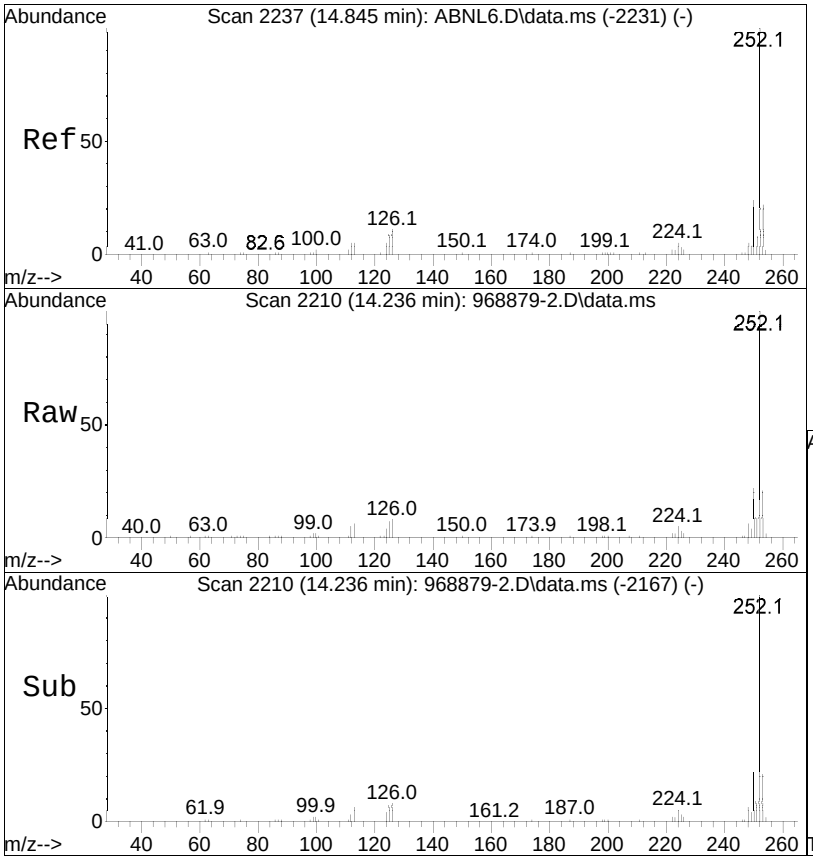


#109
Di-n-octylphthalate
Concen: 1.54 ug/ml
RT: 13.983 min Scan# 2167
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:149 Resp: 69348

Ion	Ratio	Lower	Upper
149	100		
43	9.5	18.8	28.2#
167	1.6	1.3	1.9

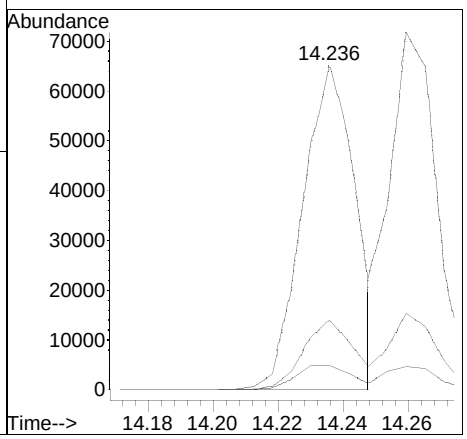


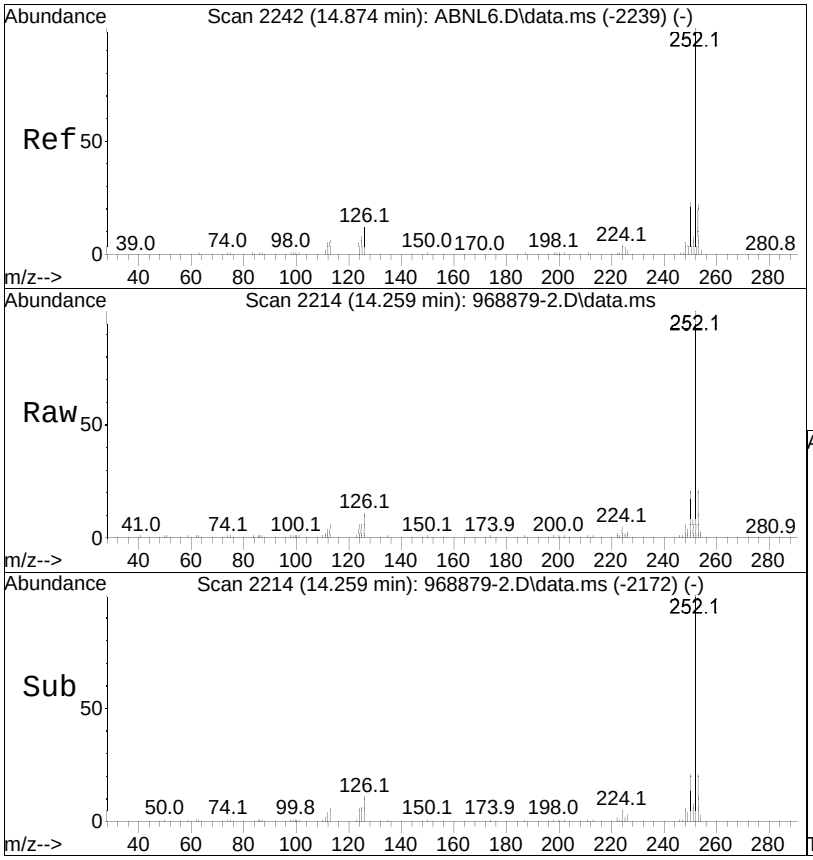


#110
Benzo(b)fluoranthene
Concen: 1.56 ug/ml
RT: 14.236 min Scan# 2210
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:252 Resp: 74168

Ion	Ratio	Lower	Upper
252	100		
125	8.1	13.3	19.9#
253	20.5	17.1	25.7

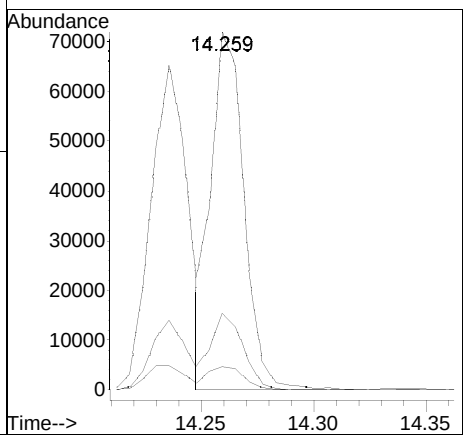


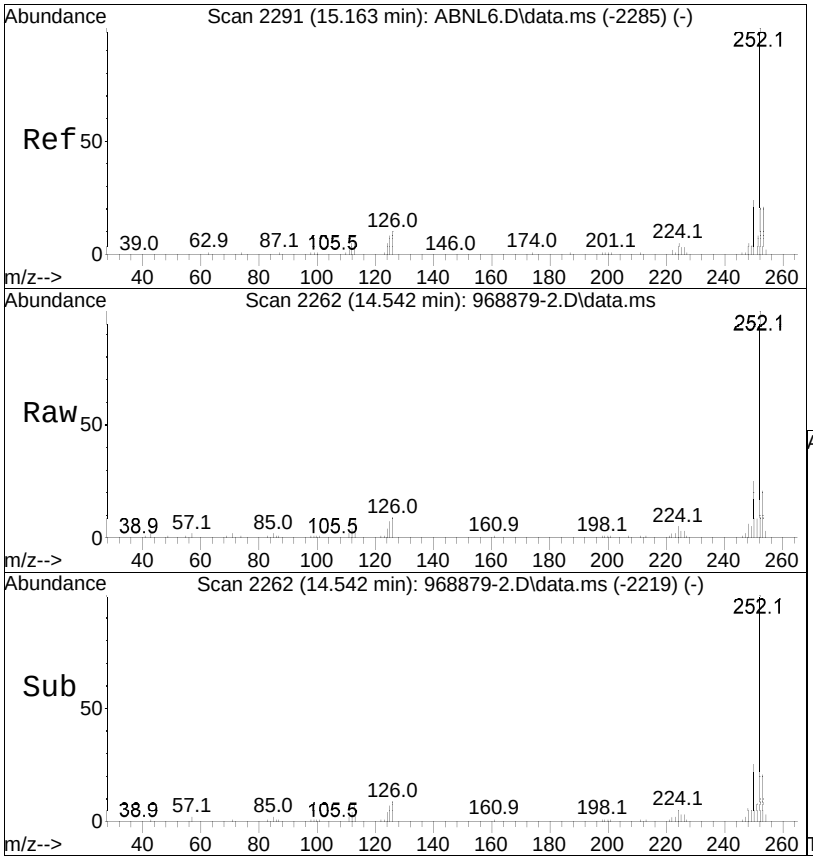


#111
Benzo(k)fluoranthene
Concen: 1.62 ug/ml
RT: 14.259 min Scan# 2214
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:252 Resp: 72859

Ion	Ratio	Lower	Upper
252	100		
125	7.1	13.0	19.6#
253	20.7	16.8	25.2

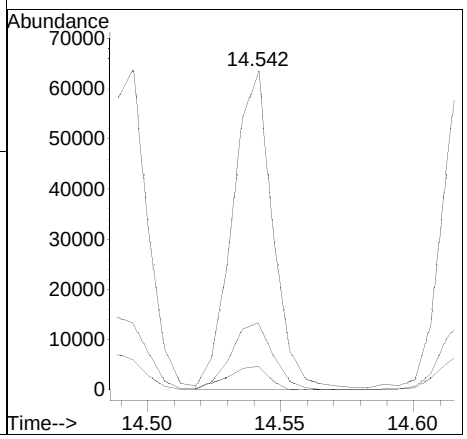


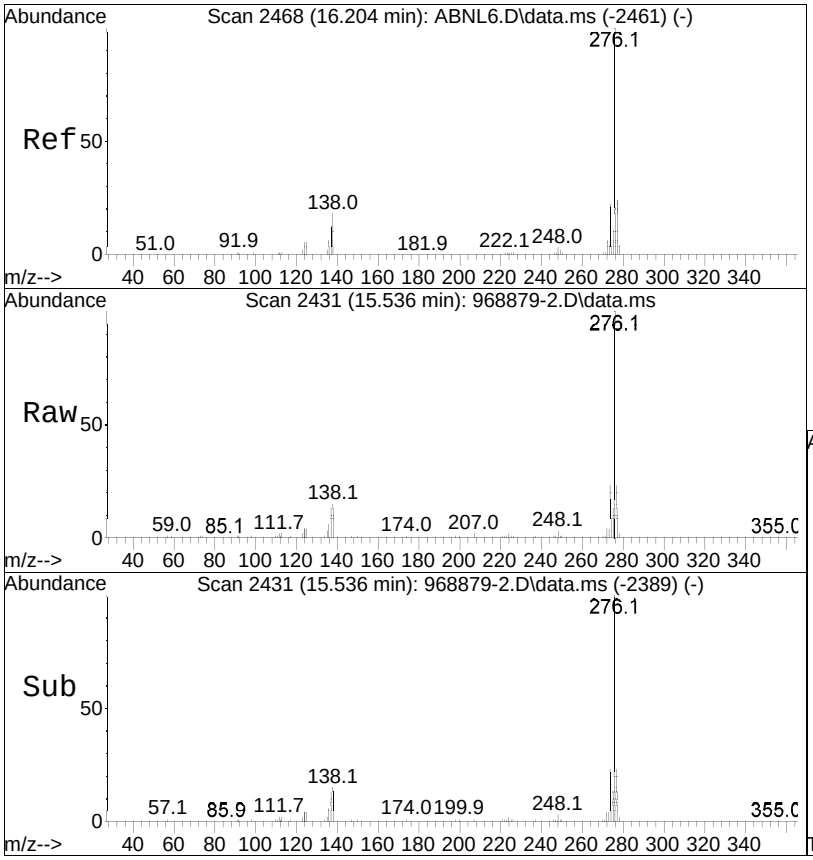


#112
Benzo(a)pyrene
Concen: 1.63 ug/ml
RT: 14.542 min Scan# 2262
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:252 Resp: 67252

Ion	Ratio	Lower	Upper
252	100		
125	7.8	14.2	21.2#
253	21.8	16.9	25.3

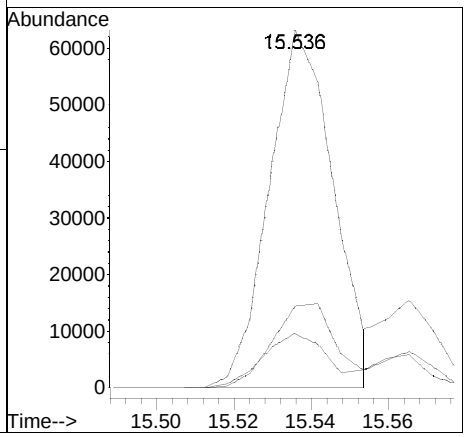


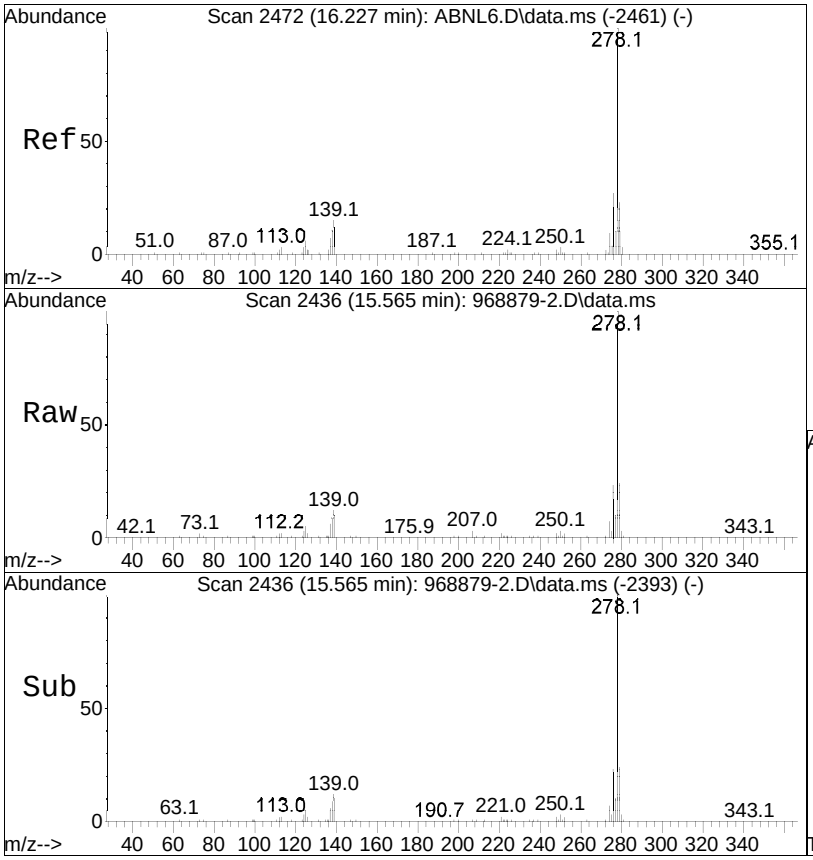


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.83 ug/mL M6
RT: 15.536 min Scan# 2431
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:276 Resp: 73119

Ion	Ratio	Lower	Upper
276	100		
138	16.4	25.1	37.7#
277	23.9	18.6	28.0

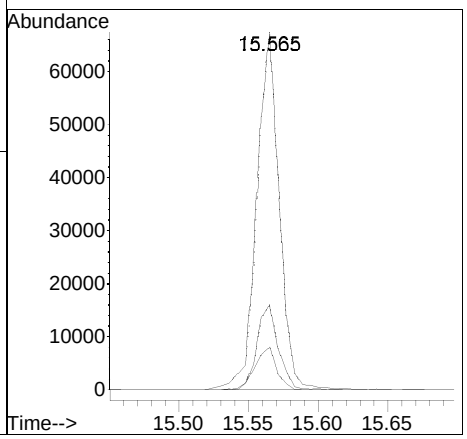


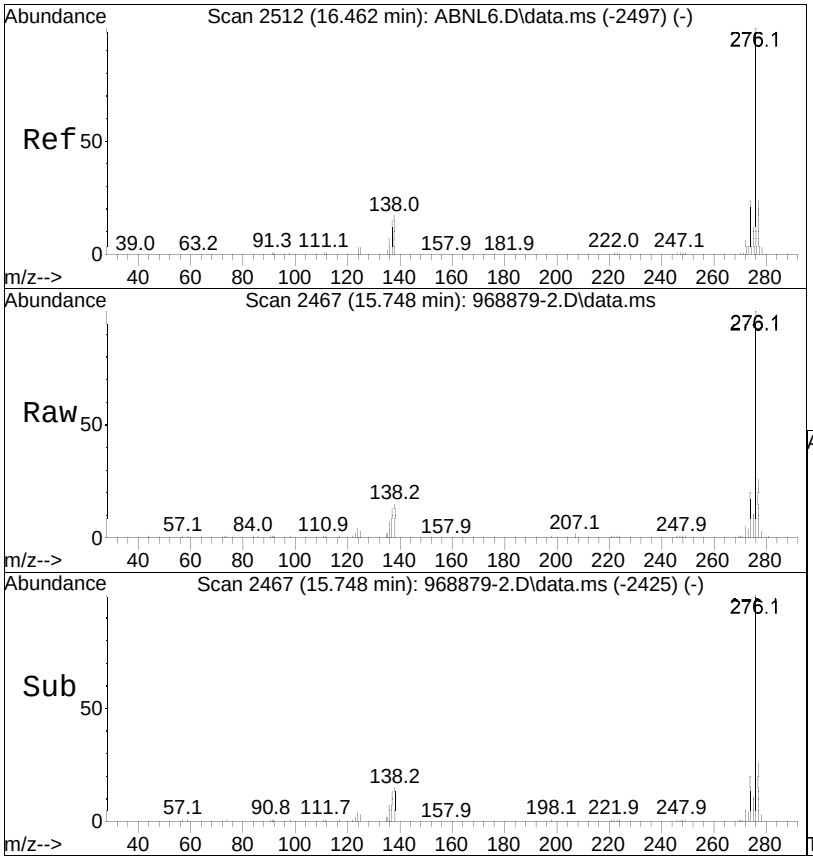


#115
Dibenzo(a,h)anthracene
Concen: 1.94 ug/ml
RT: 15.565 min Scan# 2436
Delta R.T. 0.006 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:278 Resp: 74607

Ion	Ratio	Lower	Upper
278	100		
139	11.6	20.8	31.2#
279	23.1	18.3	27.5

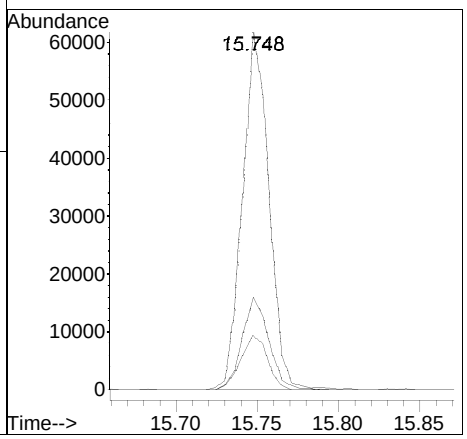




#116
Benzo(ghi)perylene
Concen: 1.95 ug/ml
RT: 15.748 min Scan# 2467
Delta R.T. -0.000 min
Lab File: 968879-2.D
Acq: 10 Sep 2024 3:15 am

Tgt Ion:276 Resp: 69414

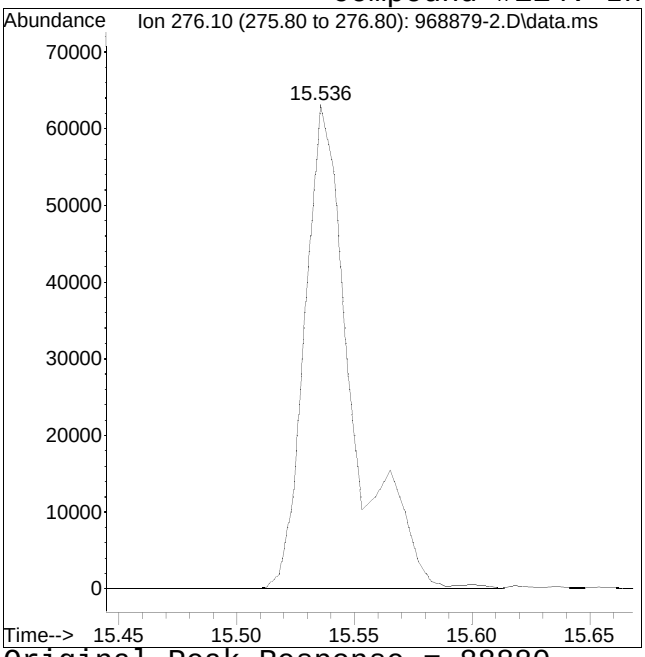
Ion	Ratio	Lower	Upper
276	100		
138	15.6	29.2	43.8#
277	26.2	18.8	28.2



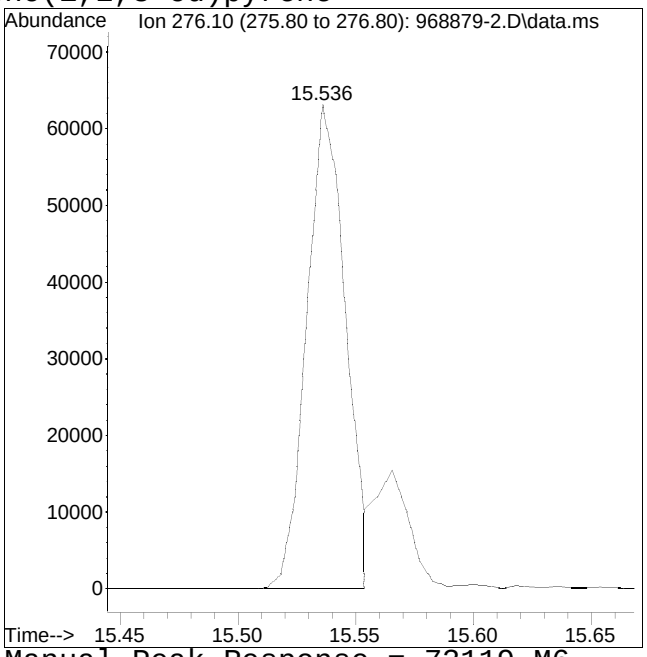
Manual Integration Report

Data Path : I:\8270\SV106\240909NRVT\ QMethod : FS240624SV106.m
Data File : 968879-2.D Operator : SV106:smz
Date Inj'd : 9/10/2024 3:15 am Instrument : SV 106
Sample : WG1968879-2,32,,ASK Quant Date : 9/10/2024 3:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 88880



Manual Peak Response = 73119 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Acq On : 09 Sep 2024 04:23 pm
Operator : SV112:smz
Sample : WG1968975-3,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:53:41 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.652	152	25294	4.000	ug/ml	0.00
Standard Area 1 = 31987			Recovery = 79.08%			
27) IS2_1,4-Dichlorobenzen...	3.652	152	25294	4.000	ug/ml	-0.02
Standard Area 3 = 30314			Recovery = 83.44%			
32) IS3_1,4-Dichlorobenzen...	3.652	152	25294	4.000	ug/ml	0.00
Standard Area 2 = 23007			Recovery = 109.94%			
35) IS1_Naphthalene-d8	4.904	136	96175	4.000	ug/ml	0.00
Standard Area 1 = 122680			Recovery = 78.40%			
55) IS2_Naphthalene-d8	4.904	136	96175	4.000	ug/ml	-0.02
Standard Area 3 = 114336			Recovery = 84.12%			
63) IS1_Acenaphthene-d10	6.587	164	62093	4.000	ug/ml	0.00
Standard Area 1 = 82429			Recovery = 75.33%			
83) IS2_Acenaphthene-d10	6.587	164	62093	4.000	ug/ml	-0.02
Standard Area 3 = 74590			Recovery = 83.25%			
86) IS3_Acenaphthene-d10	6.587	164	62093	4.000	ug/ml	0.00
Standard Area 2 = 54174			Recovery = 114.62%			
88) IS1_Phenanthrene-d10	7.975	188	133274	4.000	ug/ml	# 0.00
Standard Area 1 = 192675			Recovery = 69.17%			
100) IS3_Phenanthrene-d10	7.975	188	133274	4.000	ug/ml	# 0.00
Standard Area 2 = 118445			Recovery = 112.52%			
104) IS1_Chrysene-d12	10.481	240	155668	4.000	ug/ml	# 0.00
Standard Area 1 = 210015			Recovery = 74.12%			
113) IS1_Perylene-d12	11.834	264	181245	4.000	ug/ml	0.00
Standard Area 1 = 248461			Recovery = 72.95%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.263	112	7834	1.180	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.00%			
7) Phenol-d6	3.387	99	7153	0.834	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.70%			
19) Nitrobenzene-d5	4.222	82	6196	0.757	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.70%			
46) 2-Fluorobiphenyl	5.993	172	16755	0.770	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.00%			
79) 2,4,6-Tribromophenol	7.340	330	6974	1.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 87.50%			

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Acq On : 09 Sep 2024 04:23 pm
Operator : SV112:smz
Sample : WG1968975-3,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:53:41 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.545	244	28749	0.839	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.90%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.440	128	12518	1.583	ug/ml	96
8) Phenol	3.399	94	8215	0.824	ug/ml	98
9) Bis(2-chloroethyl)ether	3.434	93	11611	1.573	ug/ml#	79
10) 1,3-Dichlorobenzene	3.587	146	13777	1.444	ug/ml	98
11) 1,4-Dichlorobenzene	3.663	146	14163	1.422	ug/ml	96
12) 1,2-Dichlorobenzene	3.816	146	13950	1.495	ug/ml	95
13) Benzyl alcohol	3.846	79	9509	1.592	ug/ml	97
14) Bis(2-chloroisopropyl)...	3.993	45	15434	1.655	ug/ml#	63
15) 2-Methylphenol	4.005	108	10134	1.517	ug/ml	94
16) Hexachloroethane	4.146	117	5309	1.505	ug/ml#	60
17) n-Nitrosodi-n-propylamine	4.122	70	9252	1.691	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.175	108	11081	1.523	ug/ml#	77
20) Nitrobenzene	4.240	77	12943	1.587	ug/ml	98
21) Isophorone	4.493	82	23482	1.595	ug/ml	99
22) 2-Nitrophenol	4.557	139	6818	1.877	ug/ml	95
23) 2,4-Dimethylphenol	4.681	107	10828	1.555	ug/ml	96
24) Bis(2-chloroethoxy)met...	4.757	93	16186	1.633	ug/ml#	97
25) 2,4-Dichlorophenol	4.810	162	12408	1.702	ug/ml	94
26) 1,2,4-Trichlorobenzene	4.869	180	13606	1.474	ug/ml	96
29) Acetophenone	4.087	105	18903	1.571	ug/ml	95
36) Naphthalene	4.928	128	38883	1.542	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.022	65	3201M3	1.130	ug/ml	
39) Hexachlorobutadiene	5.099	225	9180	1.553	ug/ml	97
40) p-Chloro-m-cresol	5.551	107	12435	1.868	ug/ml	98
41) 2-Methylnaphthalene	5.604	142	27263	1.590	ug/ml	98
43) Hexachlorocyclopentadiene	5.781	237	7891	1.308	ug/ml	100
44) 2,4,6-Trichlorophenol	5.910	196	10882	1.765	ug/ml	98
45) 2,4,5-Trichlorophenol	5.940	196	11835	1.876	ug/ml	98
47) 2-Chloronaphthalene	6.057	162	29187	1.600	ug/ml	98
48) 2-Nitroaniline	6.193	138	8834	1.833	ug/ml	97
51) Dimethyl phthalate	6.410	163	37766	1.702	ug/ml	99
52) Acenaphthylene	6.440	152	46047	1.710	ug/ml	99

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Acq On : 09 Sep 2024 04:23 pm
Operator : SV112:smz
Sample : WG1968975-3,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:53:41 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	6.440	165	7615	1.835 ug/ml#	82
61) 1,2,4,5-Tetrachloroben...	5.775	216	16753	1.454 ug/ml	98
62) Biphenyl	6.069	154	36268	1.470 ug/ml	99
64) 3-Nitroaniline	6.587	138	8317	1.793 ug/ml#	90
65) Acenaphthene	6.616	154	27202	1.572 ug/ml	97
66) 2,4-Dinitrophenol	6.687	184	3327	1.617 ug/ml#	79
67) Dibenzofuran	6.781	168	45048	1.580 ug/ml	93
68) 2,4-Dinitrotoluene	6.816	165	10957	1.841 ug/ml#	76
69) 4-Nitrophenol	6.816	65	4784	1.064 ug/ml	96
72) Diethyl phthalate	7.093	149	39526	1.713 ug/ml	96
73) Fluorene	7.104	166	35820	1.613 ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.146	204	18699	1.545 ug/ml#	83
75) 4-Nitroaniline	7.157	138	7525	1.542 ug/ml	97
76) 4,6-Dinitro-o-cresol	7.193	198	7032	1.991 ug/ml#	74
77) NDPA/DPA	7.263	169	30902	1.618 ug/ml	98
80) 4-Bromophenyl phenyl e...	7.598	248	12241	1.579 ug/ml#	81
81) Hexachlorobenzene	7.628	284	15515	1.593 ug/ml#	83
82) Pentachlorophenol	7.834	266	9121	1.823 ug/ml	99
89) Phenanthrene	7.998	178	59132	1.677 ug/ml	98
90) Anthracene	8.045	178	60220	1.746 ug/ml	99
91) Carbazole	8.228	167	56457	1.788 ug/ml	99
92) Di-n-butylphthalate	8.663	149	70169	2.037 ug/ml	99
93) Fluoranthene	9.116	202	74853M3	1.830 ug/ml	
95) Pyrene	9.322	202	78553	1.812 ug/ml	99
97) Butyl benzyl phthalate	10.069	149	33549	2.201 ug/ml	89
105) Benzo(a)anthracene	10.475	228	83565	1.672 ug/ml	100
106) 3,3'-Dichlorobenzidine	10.504	252	27881	1.531 ug/ml	99
107) Chrysene	10.504	228	77473M3	1.581 ug/ml	
108) Bis(2-ethylhexyl)phtha...	10.681	149	49555	1.994 ug/ml	98
109) Di-n-octylphthalate	11.316	149	84335	2.214 ug/ml#	94
110) Benzo(b)fluoranthene	11.492	252	86813	1.693 ug/ml#	96
111) Benzo(k)fluoranthene	11.516	252	80392M3	1.718 ug/ml	
112) Benzo(a)pyrene	11.781	252	80692M3	1.804 ug/ml	
114) Indeno(1,2,3-cd)pyrene	12.739	276	82952M3	1.637 ug/mL	
115) Dibenzo(a,h)anthracene	12.775	278	80291M6	1.659 ug/ml	
116) Benzo(ghi)perylene	12.945	276	80446	1.647 ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Acq On : 09 Sep 2024 04:23 pm
Operator : SV112:smz
Sample : WG1968975-3,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:53:41 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

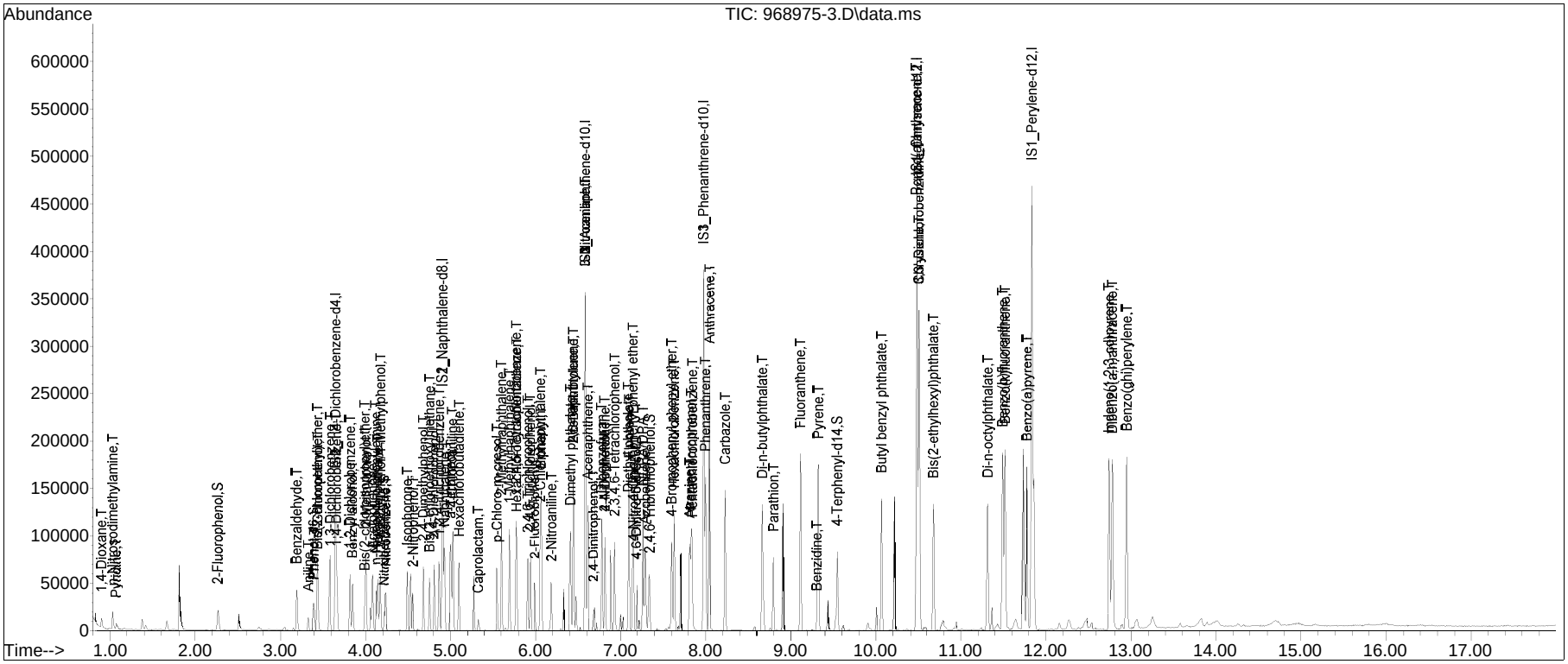
(#) = qualifier out of range (m) = manual integration (+) = signals summed

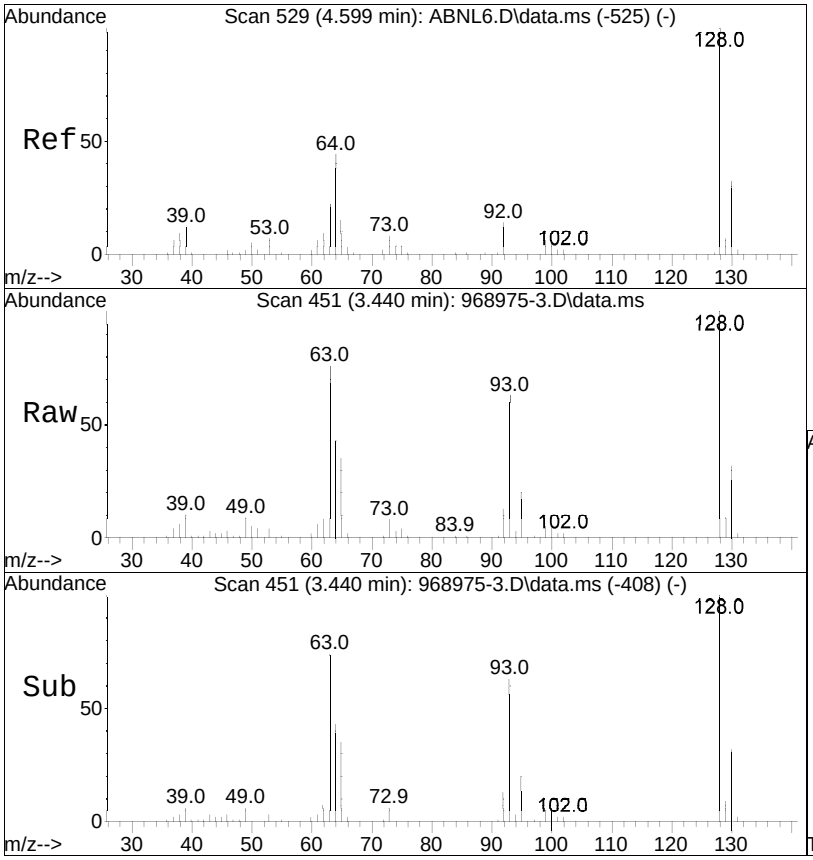
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Acq On : 09 Sep 2024 04:23 pm
Operator : SV112:smz
Sample : WG1968975-3,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 10 09:53:41 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90909.D•

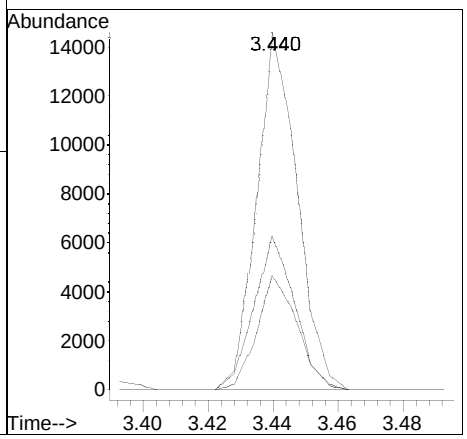


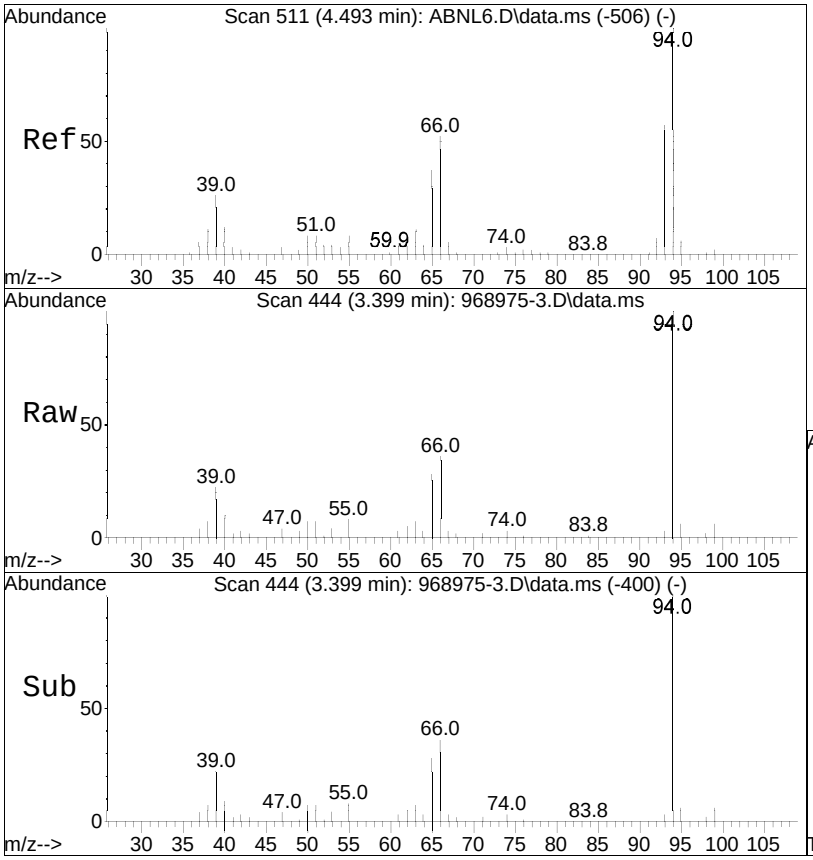


#6
2-Chlorophenol
Concen: 1.58 ug/ml
RT: 3.440 min Scan# 451
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:128 Resp: 12518

Ion	Ratio	Lower	Upper
128	100		
64	43.8	38.2	57.4
130	32.0	26.2	39.2

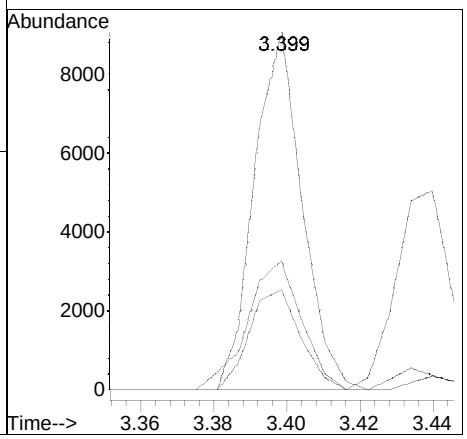


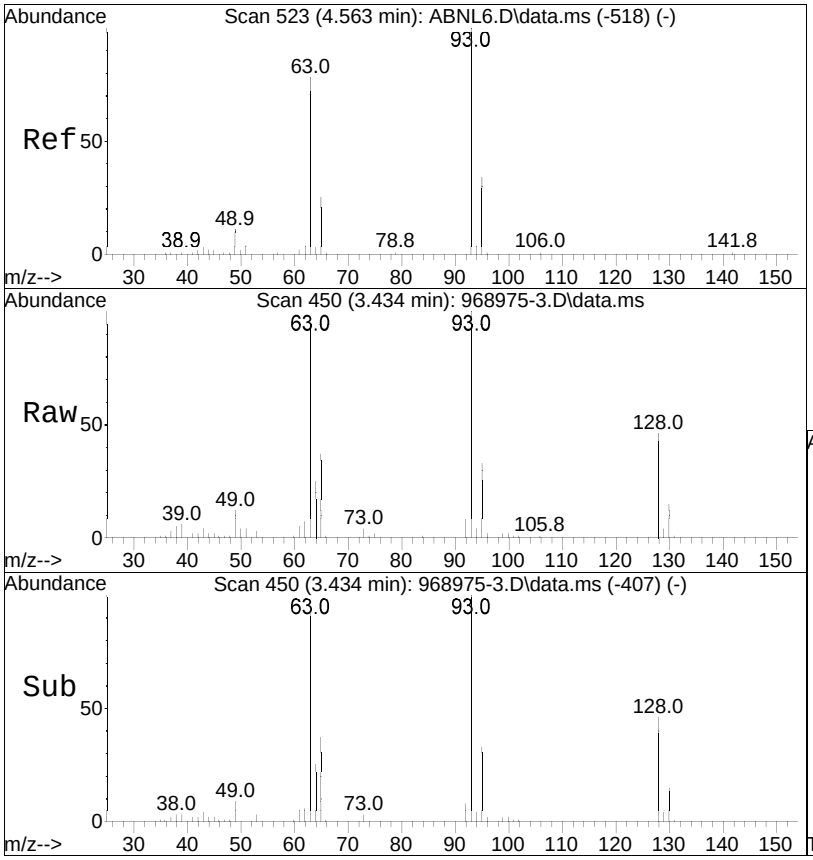


#8
Phenol
Concen: 0.82 ug/ml
RT: 3.399 min Scan# 444
Delta R.T. 0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 94 Resp: 8215

Ion	Ratio	Lower	Upper
94	100		
65	29.9	23.0	34.6
66	40.9	32.1	48.1

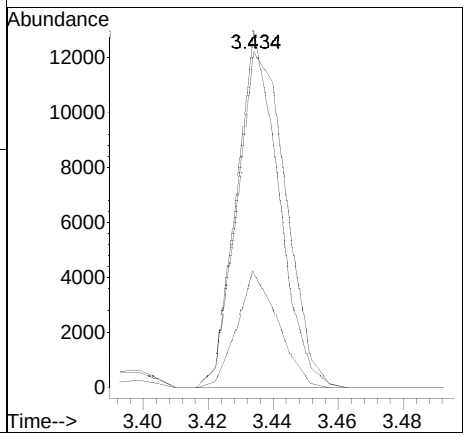


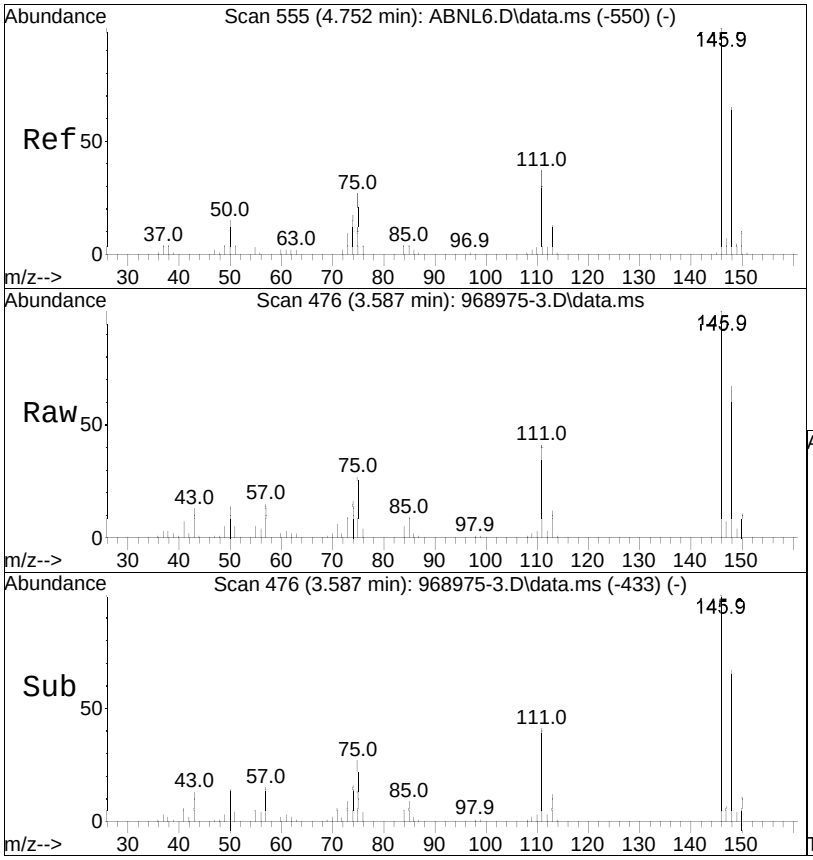


#9
Bis(2-chloroethyl)ether
Concen: 1.57 ug/ml
RT: 3.434 min Scan# 450
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 93 Resp: 11611

Ion	Ratio	Lower	Upper
93	100		
63	109.2	67.0	100.4#
95	32.0	26.1	39.1

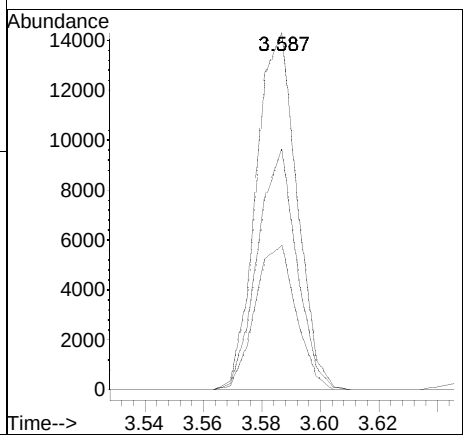


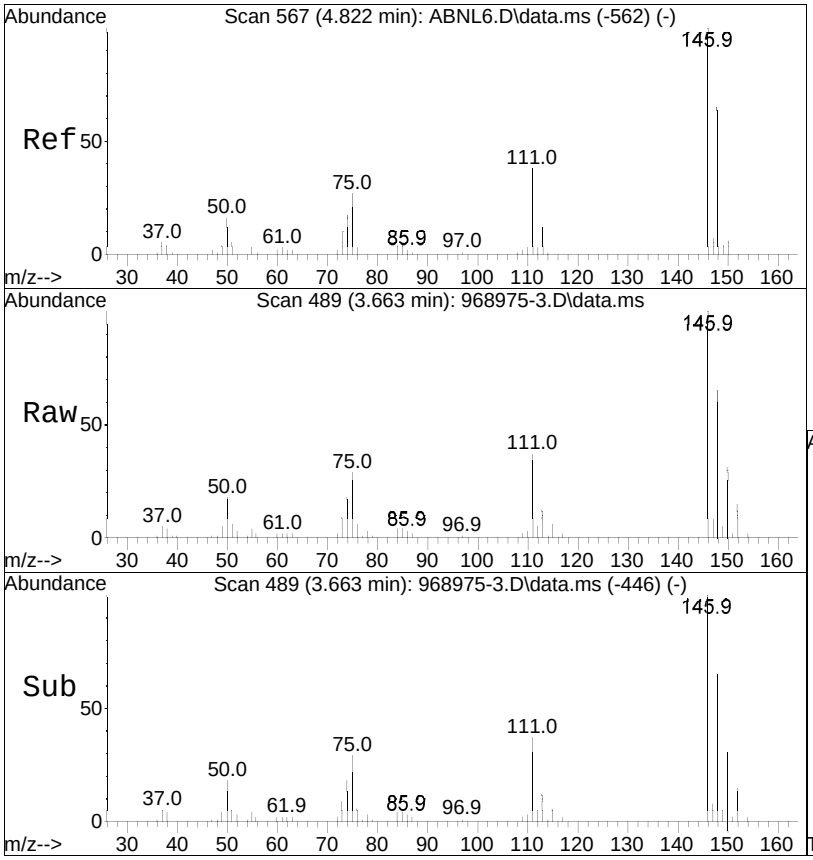


#10
1,3-Dichlorobenzene
Concen: 1.44 ug/ml
RT: 3.587 min Scan# 476
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:146 Resp: 13777

Ion	Ratio	Lower	Upper
146	100		
111	41.2	35.0	52.4
148	64.8	51.3	76.9

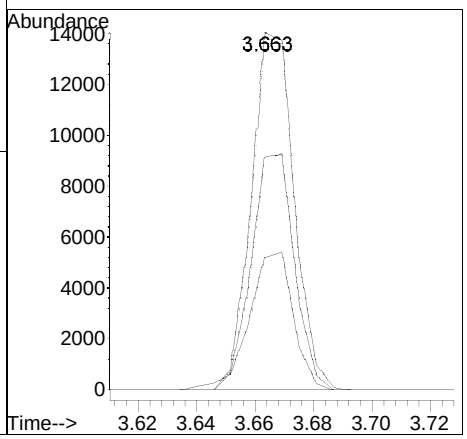


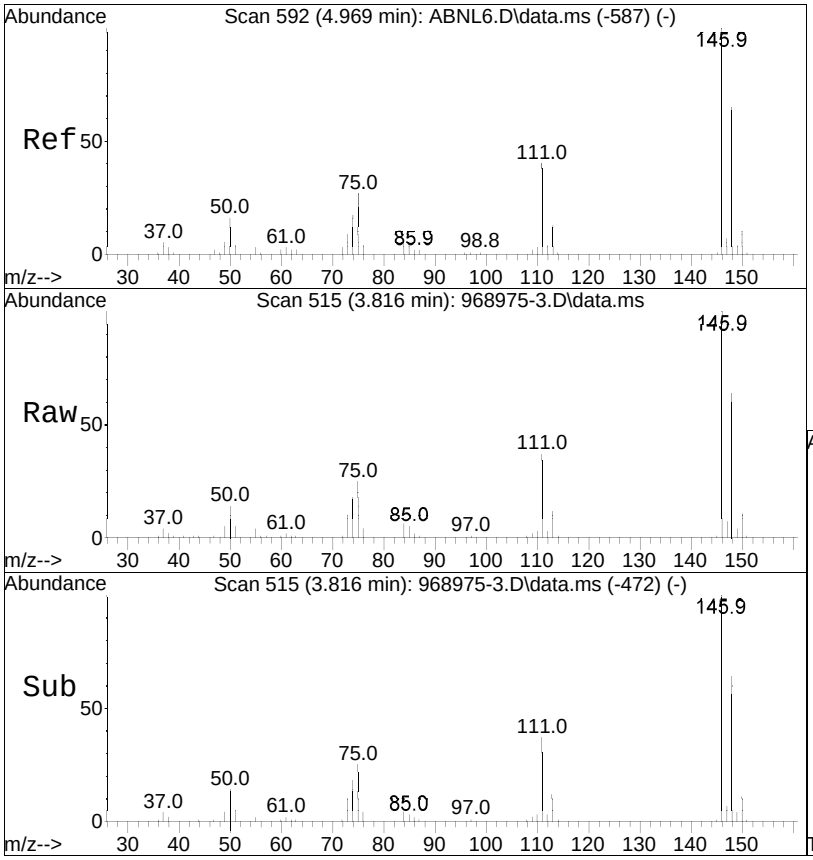


#11
1,4-Dichlorobenzene
Concen: 1.42 ug/ml
RT: 3.663 min Scan# 489
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:146 Resp: 14163

Ion	Ratio	Lower	Upper
146	100		
148	66.4	51.1	76.7
111	39.9	34.4	51.6

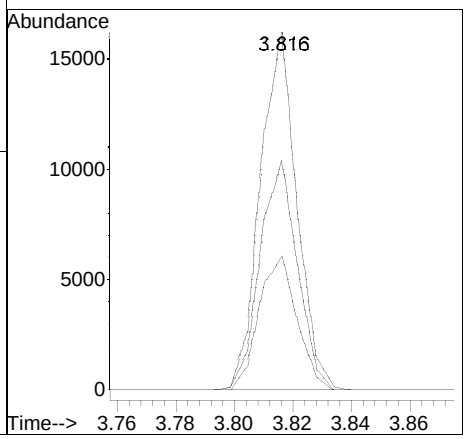


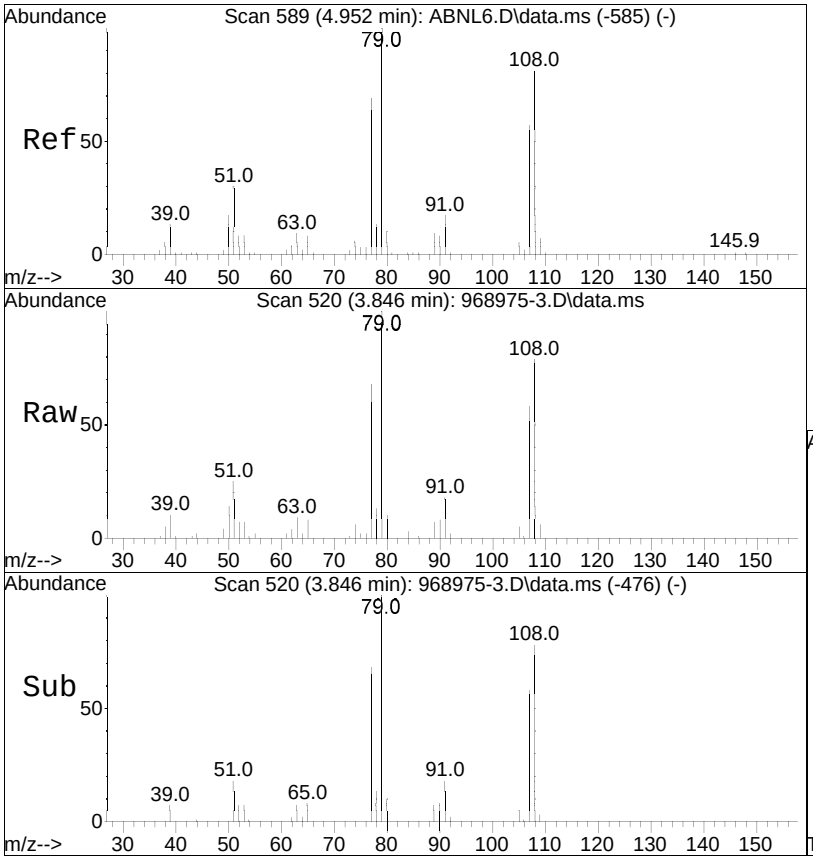


#12
1,2-Dichlorobenzene
Concen: 1.50 ug/ml
RT: 3.816 min Scan# 515
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:146 Resp: 13950

Ion	Ratio	Lower	Upper
146	100		
111	38.9	35.5	53.3
148	65.6	50.6	76.0

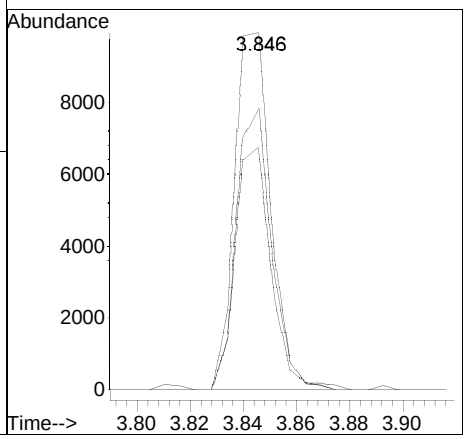


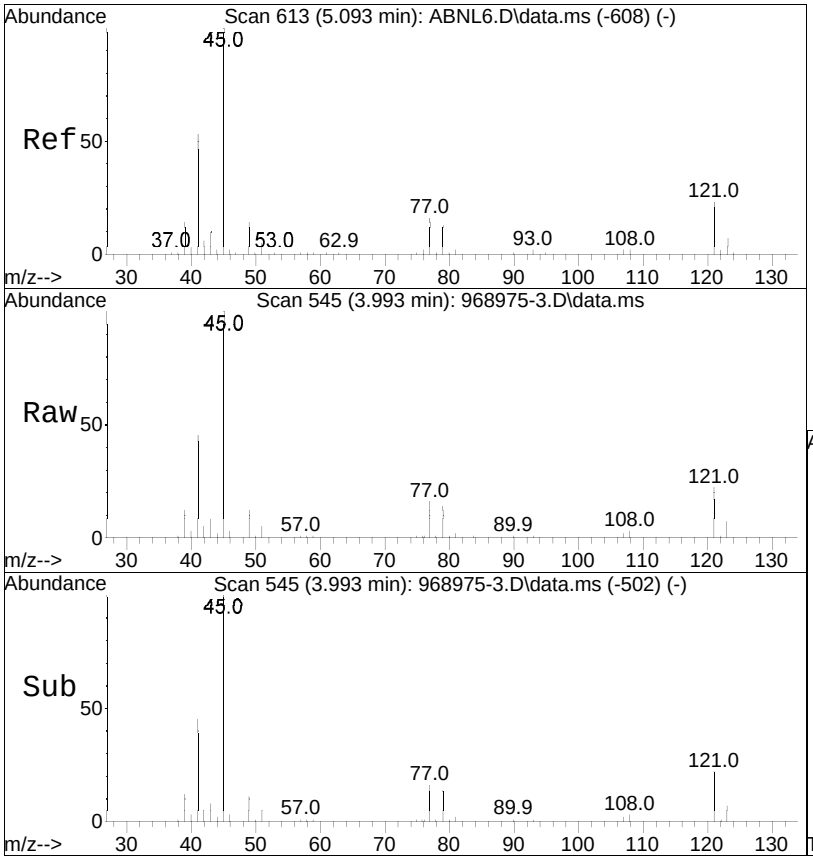


#13
Benzyl alcohol
Concen: 1.59 ug/ml
RT: 3.846 min Scan# 520
Delta R.T. 0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 79 Resp: 9509

Ion	Ratio	Lower	Upper
79	100		
77	66.4	51.8	77.6
108	76.2	63.9	95.9

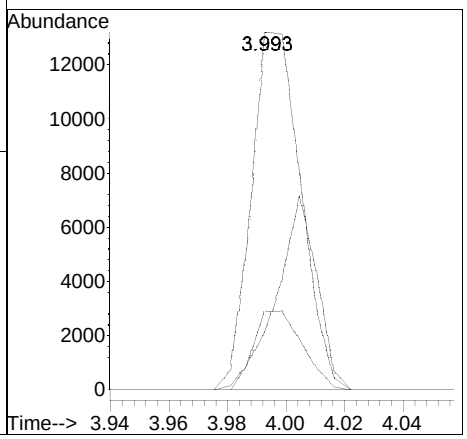


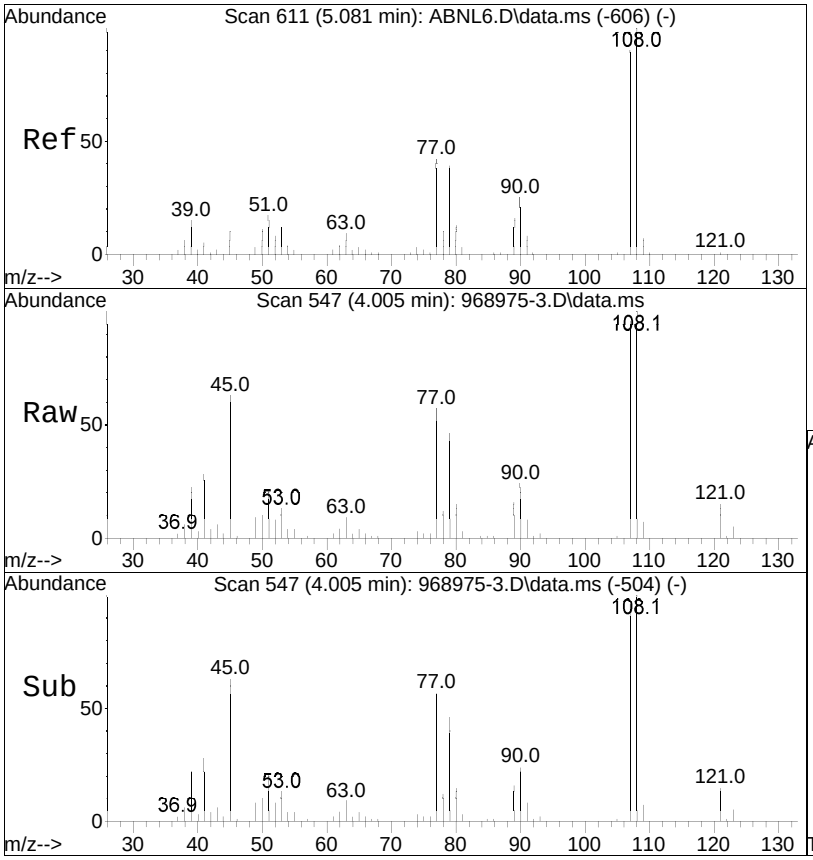


#14
Bis(2-chloroisopropyl)ether
Concen: 1.66 ug/ml
RT: 3.993 min Scan# 545
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 45 Resp: 15434

Ion	Ratio	Lower	Upper
45	100		
121	21.8	14.8	22.2
77	44.5	10.5	15.7#

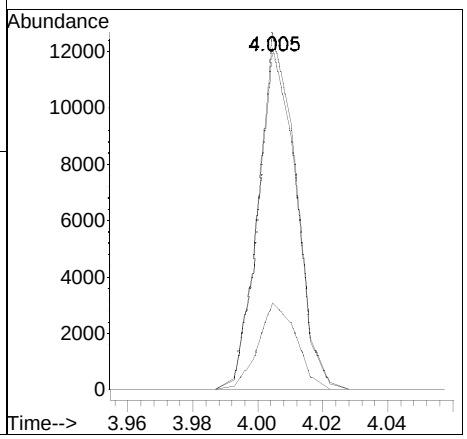


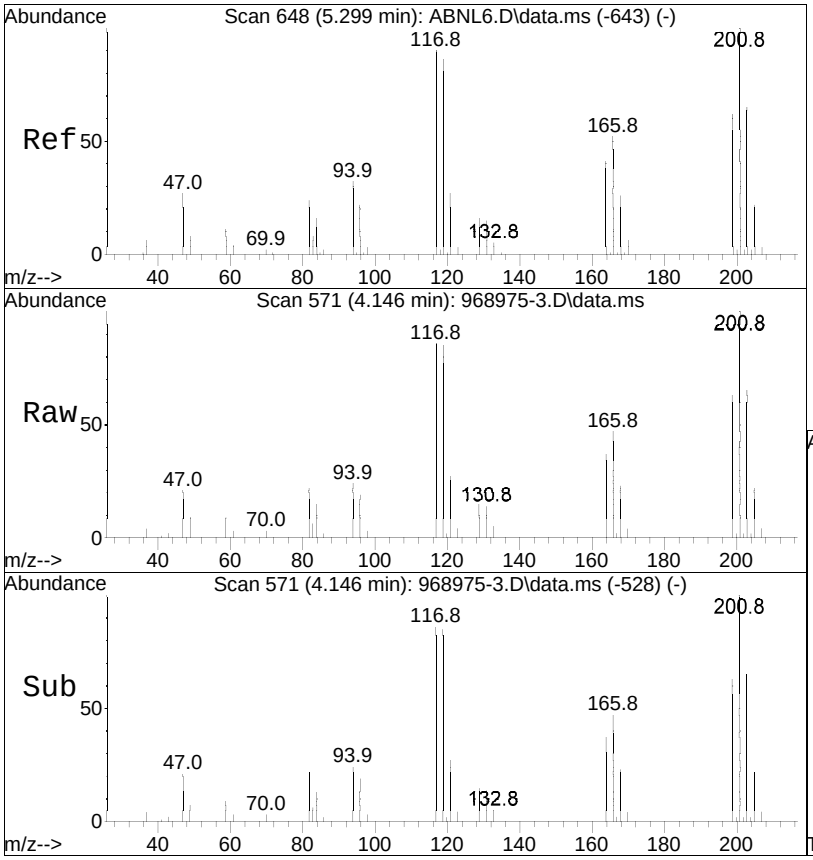


#15
2-Methylphenol
Concen: 1.52 ug/ml
RT: 4.005 min Scan# 547
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:108 Resp: 10134

Ion	Ratio	Lower	Upper
108	100		
107	95.6	71.0	106.4
90	24.8	19.7	29.5

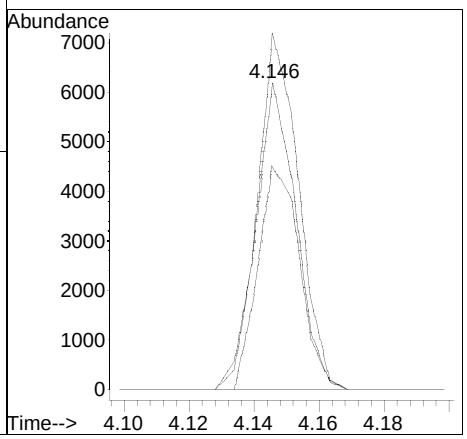


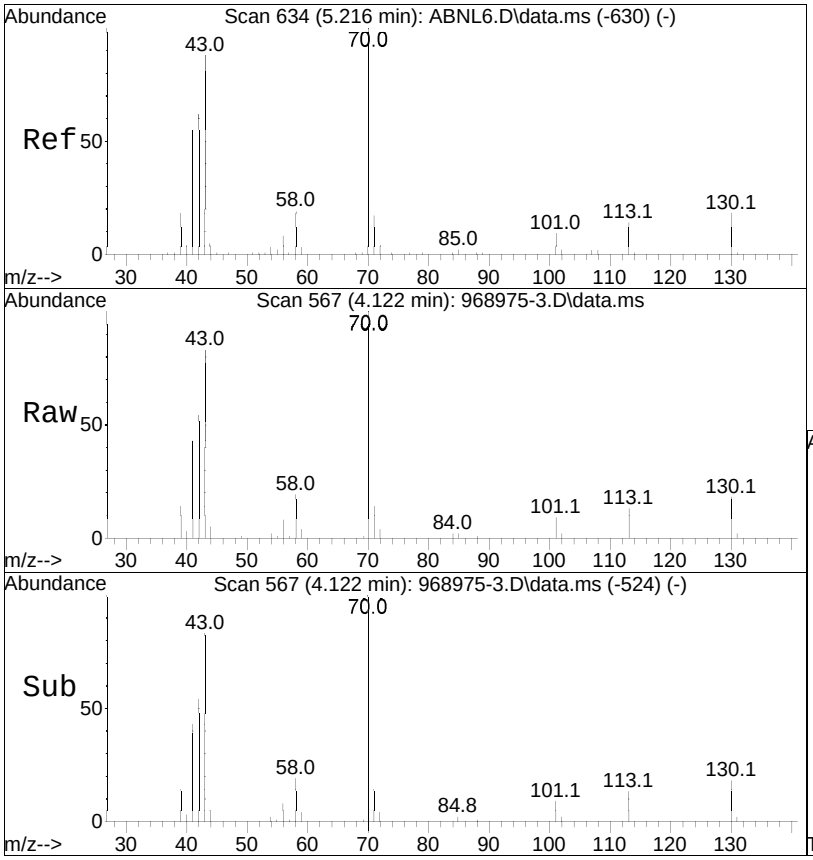


#16
Hexachloroethane
Concen: 1.51 ug/ml
RT: 4.146 min Scan# 571
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:117 Resp: 5309

Ion	Ratio	Lower	Upper
117	100		
201	118.7	64.4	96.6#
199	75.6	40.5	60.7#

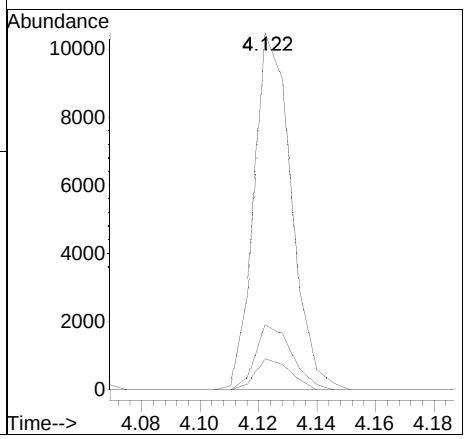


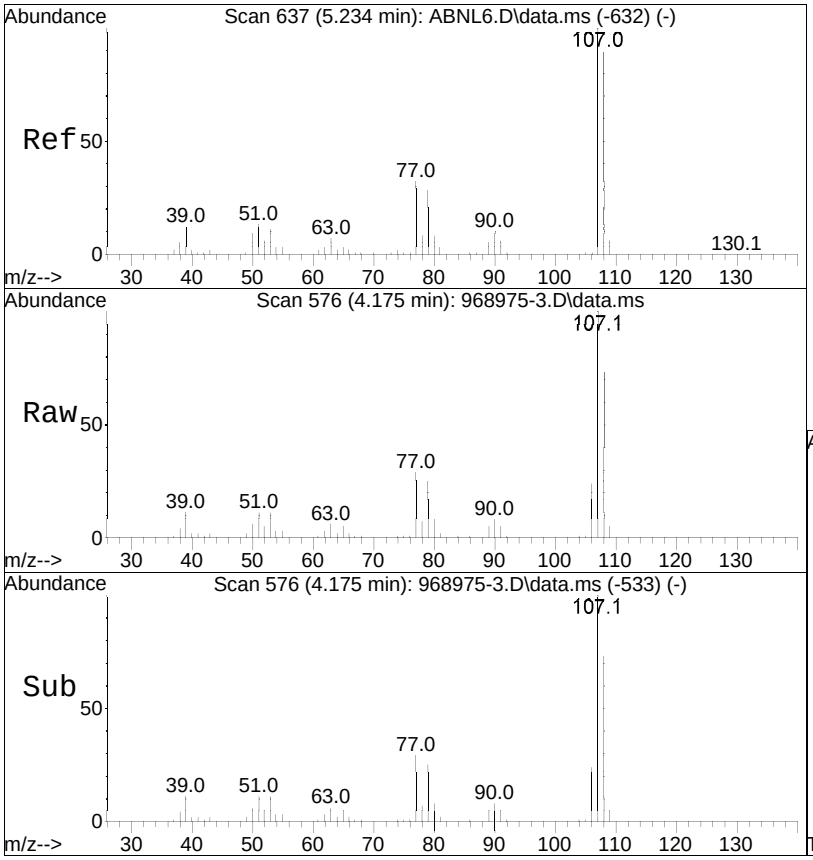


#17
n-Nitrosodi-n-propylamine
Concen: 1.69 ug/ml
RT: 4.122 min Scan# 567
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 70 Resp: 9252

Ion	Ratio	Lower	Upper
70	100		
130	17.9	16.2	24.4
101	8.1	7.6	11.4

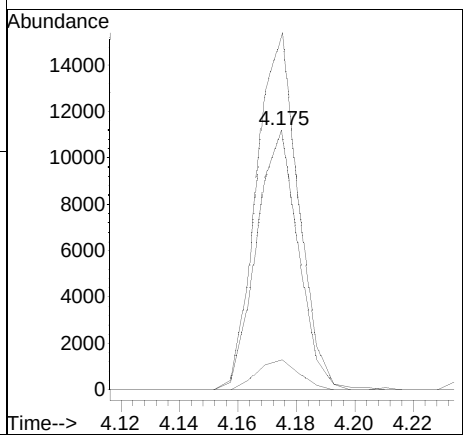


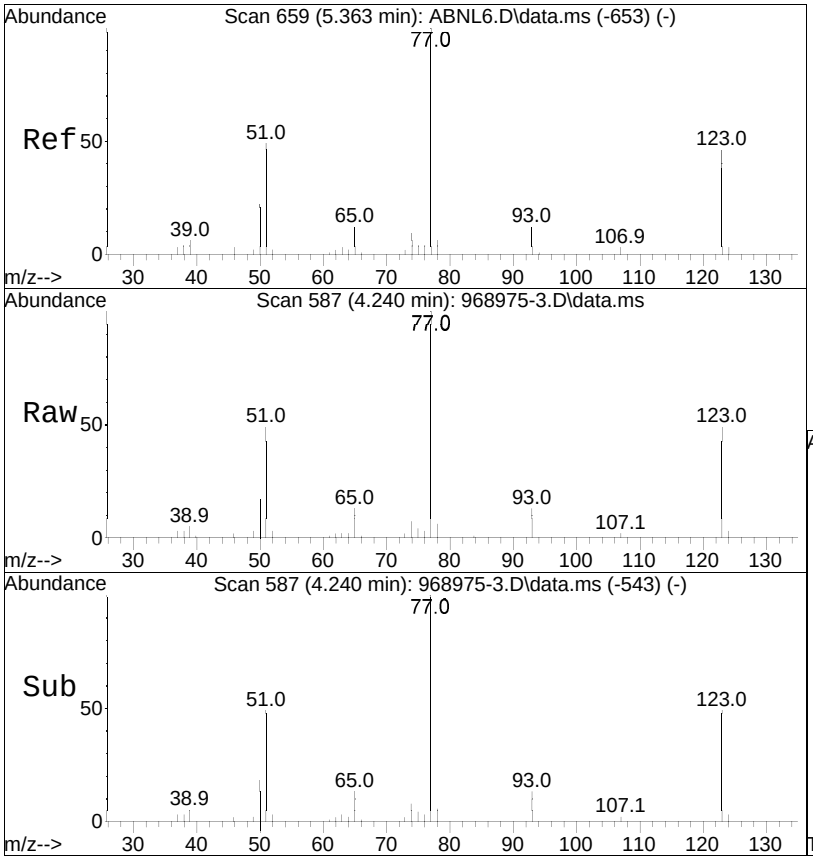


#18
3-Methylphenol/4-Methylphenol
Concen: 1.52 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:108 Resp: 11081

Ion	Ratio	Lower	Upper
108	100		
107	138.0	88.8	133.2#
90	11.7	9.0	13.6

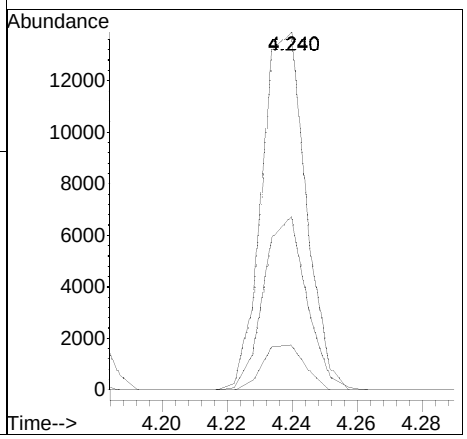


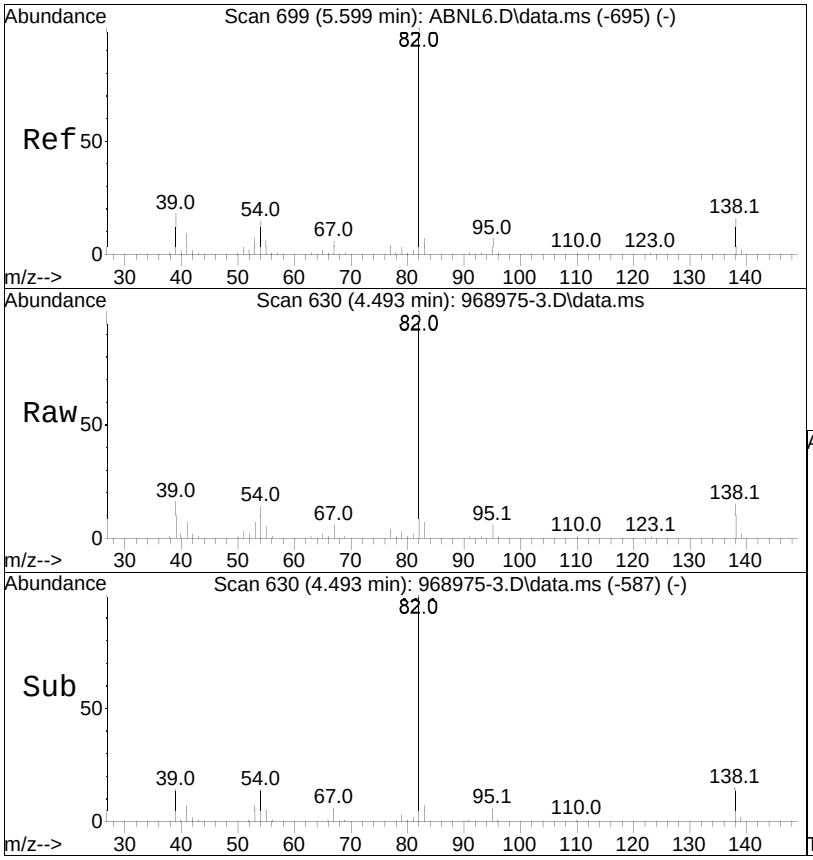


#20
Nitrobenzene
Concen: 1.59 ug/ml
RT: 4.240 min Scan# 587
Delta R.T. 0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 77 Resp: 12943

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.3	55.9
65	12.2	10.9	16.3

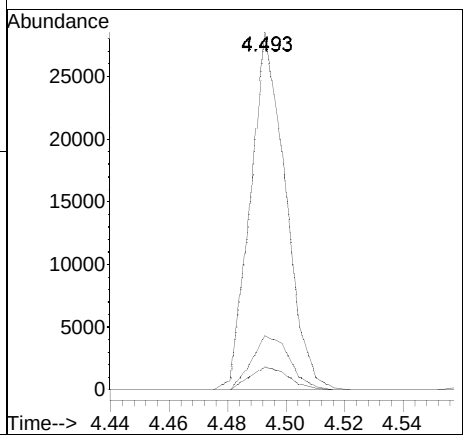


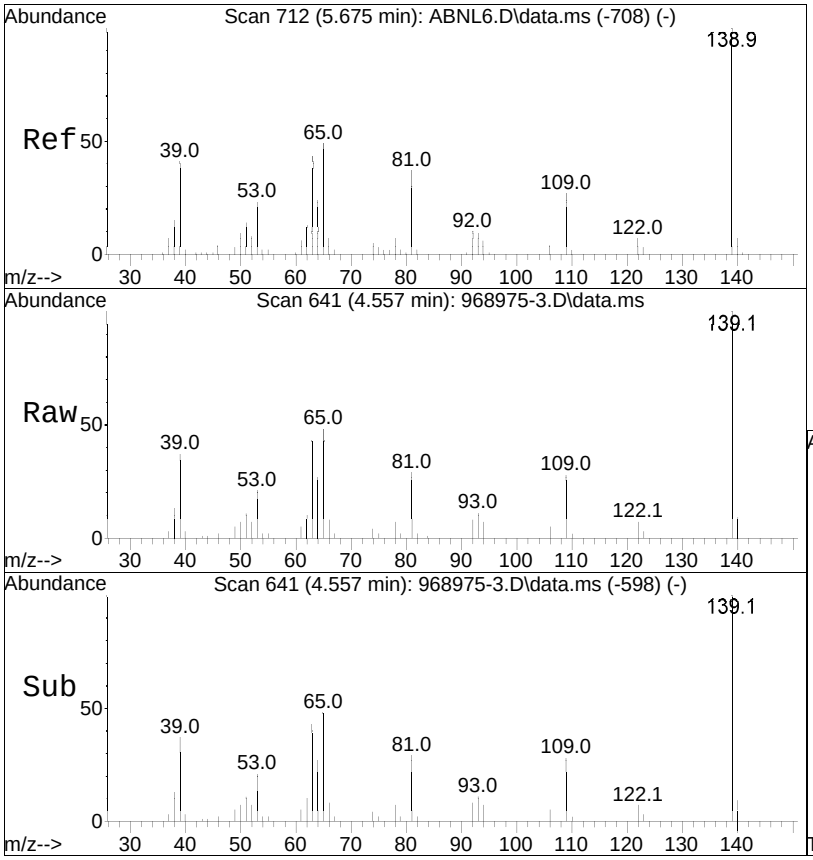


#21
Isophorone
Concen: 1.60 ug/ml
RT: 4.493 min Scan# 630
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 82 Resp: 23482

Ion	Ratio	Lower	Upper
82	100		
138	16.4	13.0	19.4
95	7.1	5.5	8.3

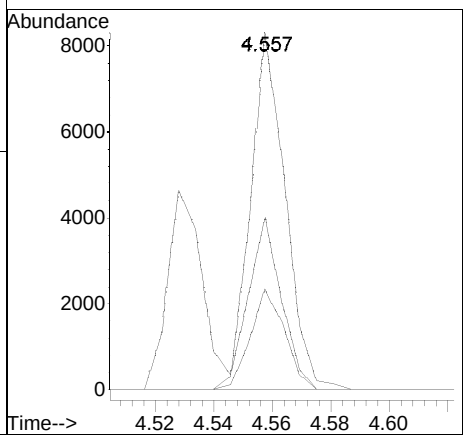


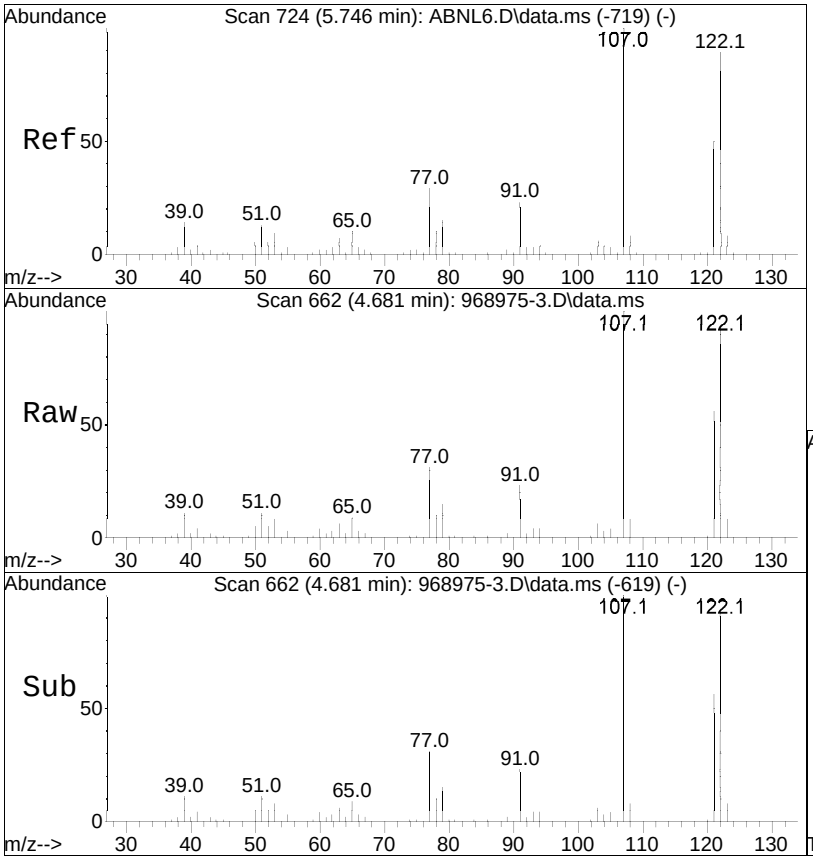


#22
2-Nitrophenol
Concen: 1.88 ug/ml
RT: 4.557 min Scan# 641
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:139 Resp: 6818

Ion	Ratio	Lower	Upper
139	100		
109	27.9	23.1	34.7
65	56.6	41.4	62.2

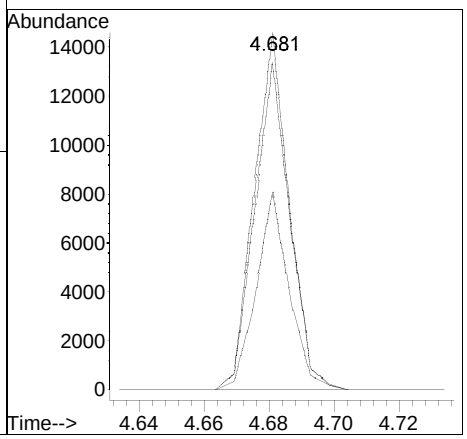


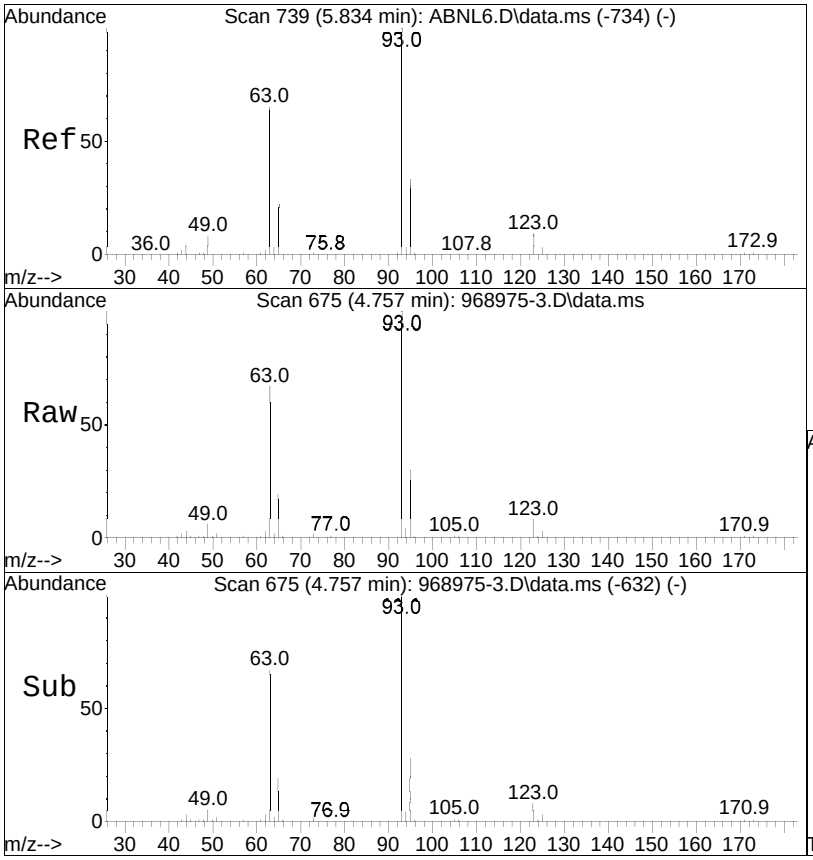


#23
2,4-Dimethylphenol
Concen: 1.55 ug/ml
RT: 4.681 min Scan# 662
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:107 Resp: 10828

Ion	Ratio	Lower	Upper
107	100		
121	52.3	41.3	61.9
122	91.9	69.3	103.9

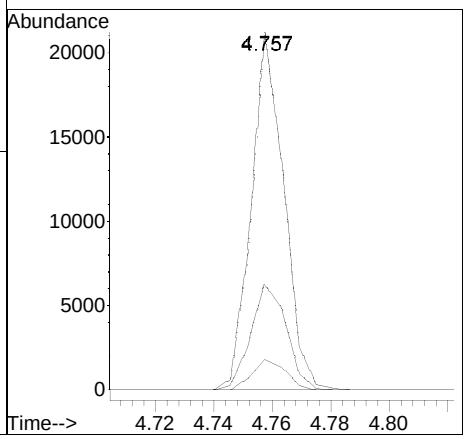


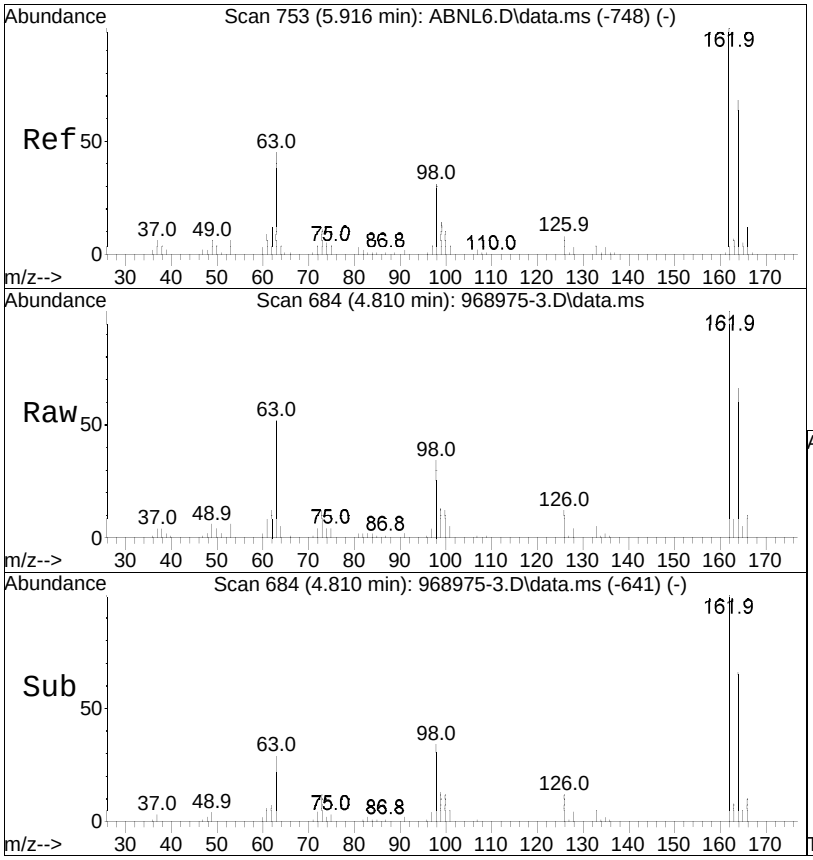


#24
Bis(2-chloroethoxy)methane
Concen: 1.63 ug/ml
RT: 4.757 min Scan# 675
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 93 Resp: 16186

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	8.9	9.6	14.4#

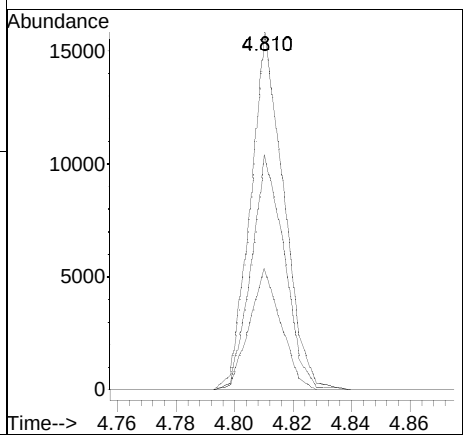


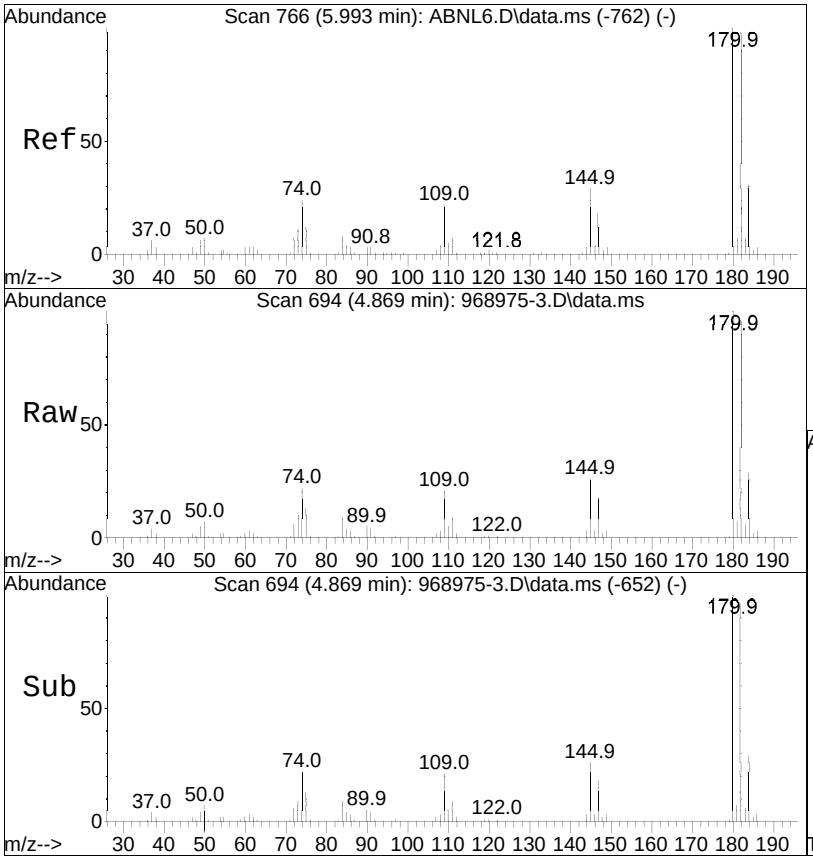


#25
2,4-Dichlorophenol
Concen: 1.70 ug/ml
RT: 4.810 min Scan# 684
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:162 Resp: 12408

Ion	Ratio	Lower	Upper
162	100		
164	65.7	51.1	76.7
98	32.5	32.2	48.2

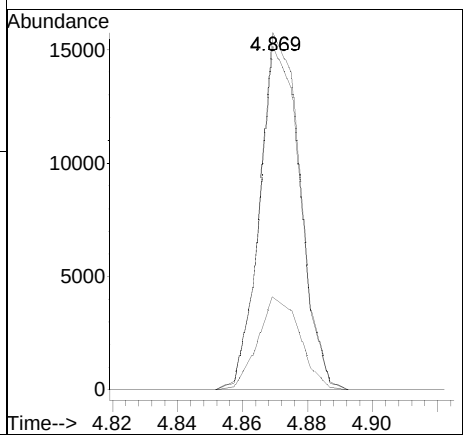


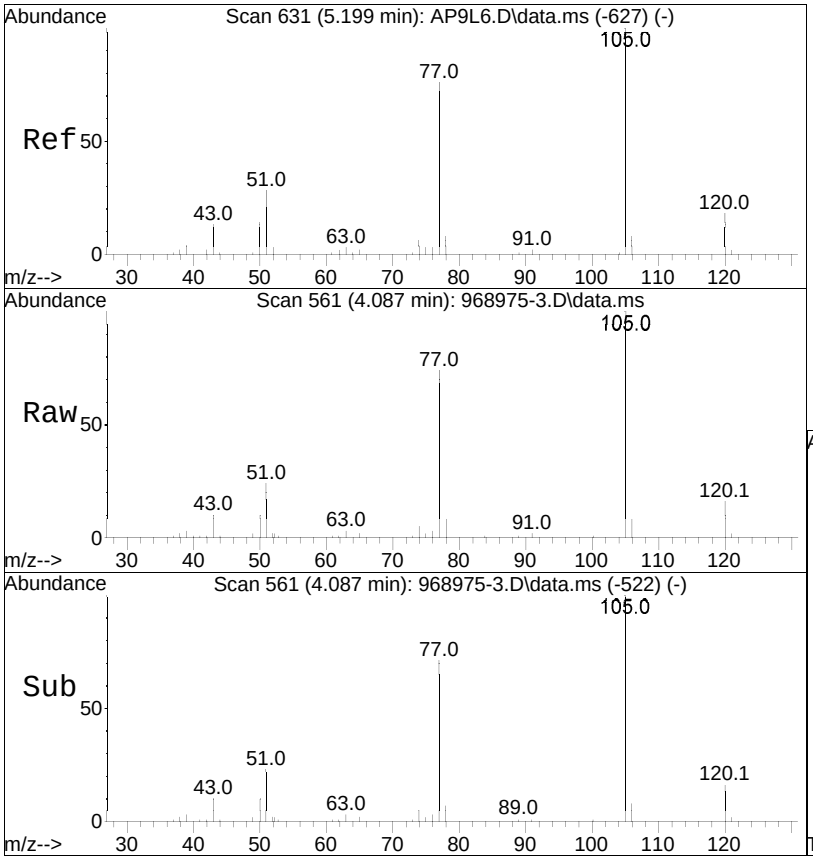


#26
1,2,4-Trichlorobenzene
Concen: 1.47 ug/ml
RT: 4.869 min Scan# 694
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:180 Resp: 13606

Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
145	27.0	26.3	39.5

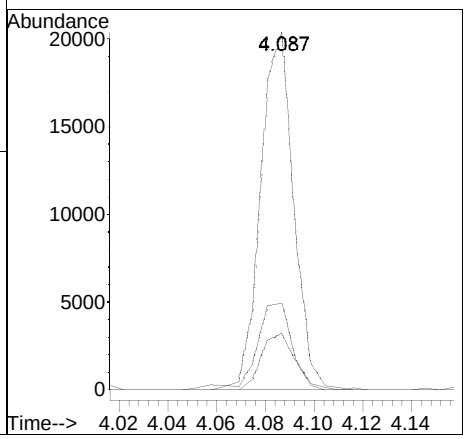


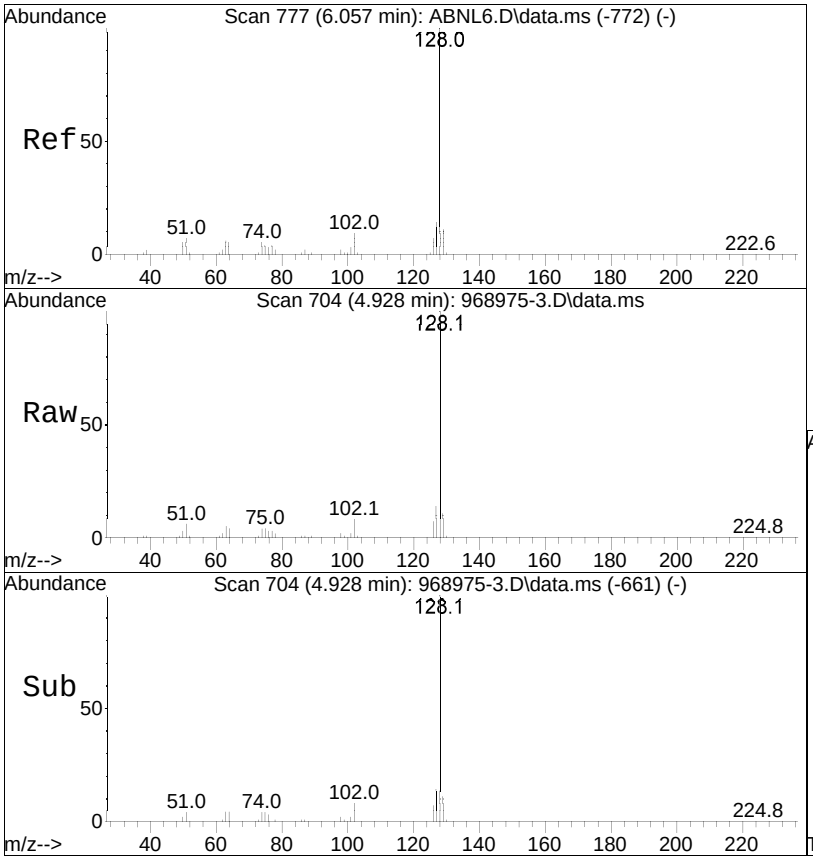


#29
Acetophenone
Concen: 1.57 ug/ml
RT: 4.087 min Scan# 561
Delta R.T. -0.018 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:105 Resp: 18903

Ion	Ratio	Lower	Upper
105	100		
120	15.9	15.2	22.8
51	26.9	23.1	34.7

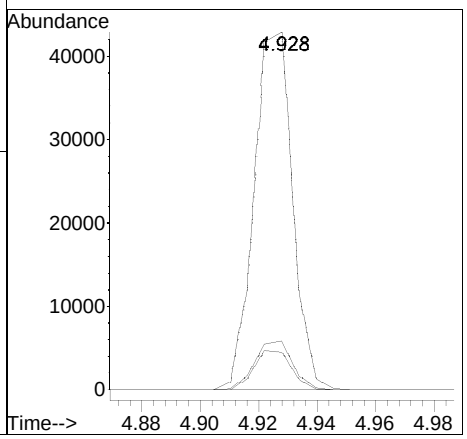


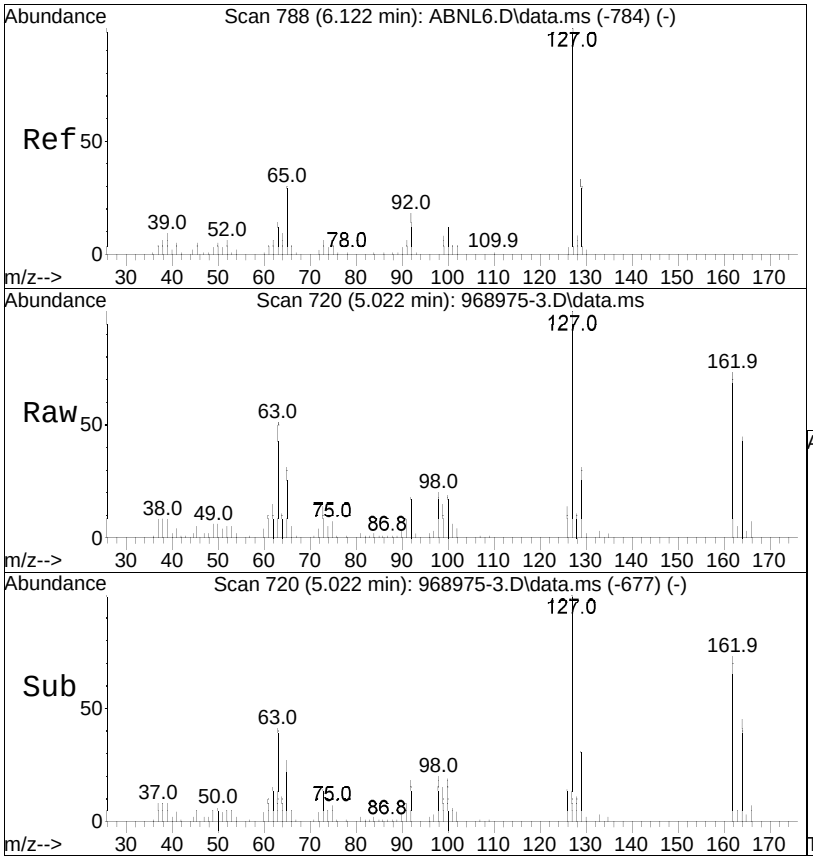


#36
Naphthalene
Concen: 1.54 ug/ml
RT: 4.928 min Scan# 704
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:128 Resp: 38883

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.6	10.6	15.8

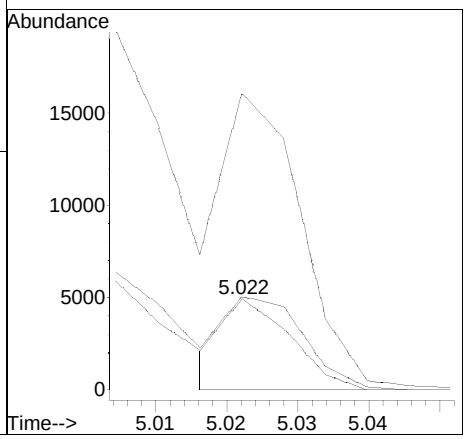


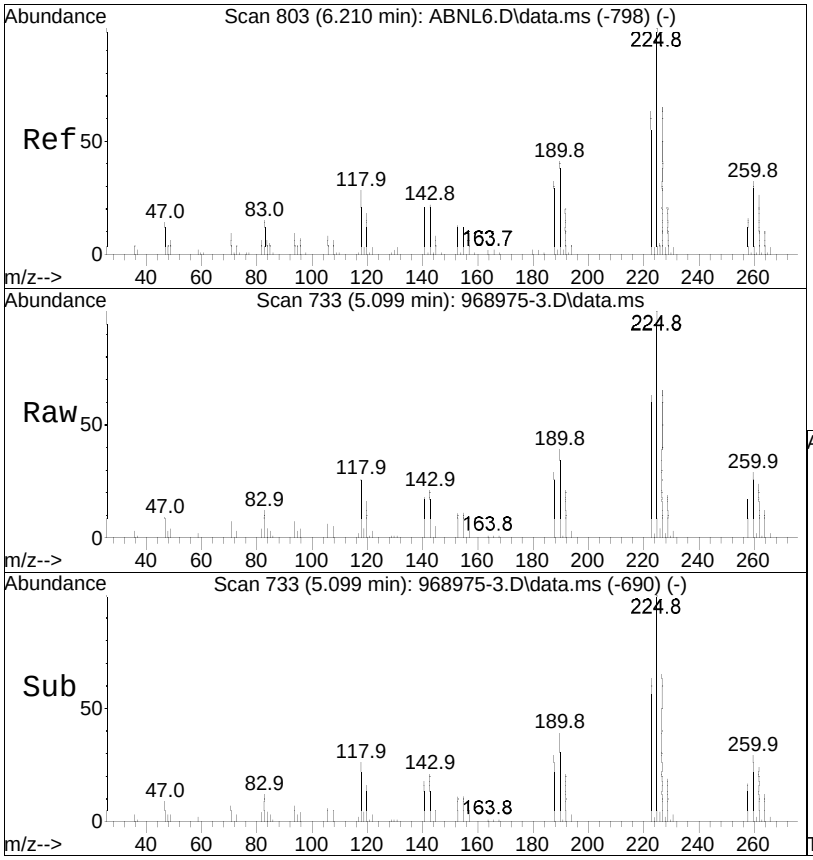


#38
4-Chloroaniline
Concen: 1.13 ug/ml M3
RT: 5.022 min Scan# 720
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 65 Resp: 3201

Ion	Ratio	Lower	Upper
65	100		
127	527.0	266.2	399.4#
129	168.4	85.0	127.4#

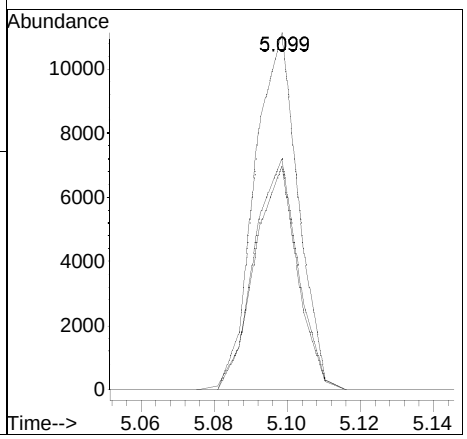


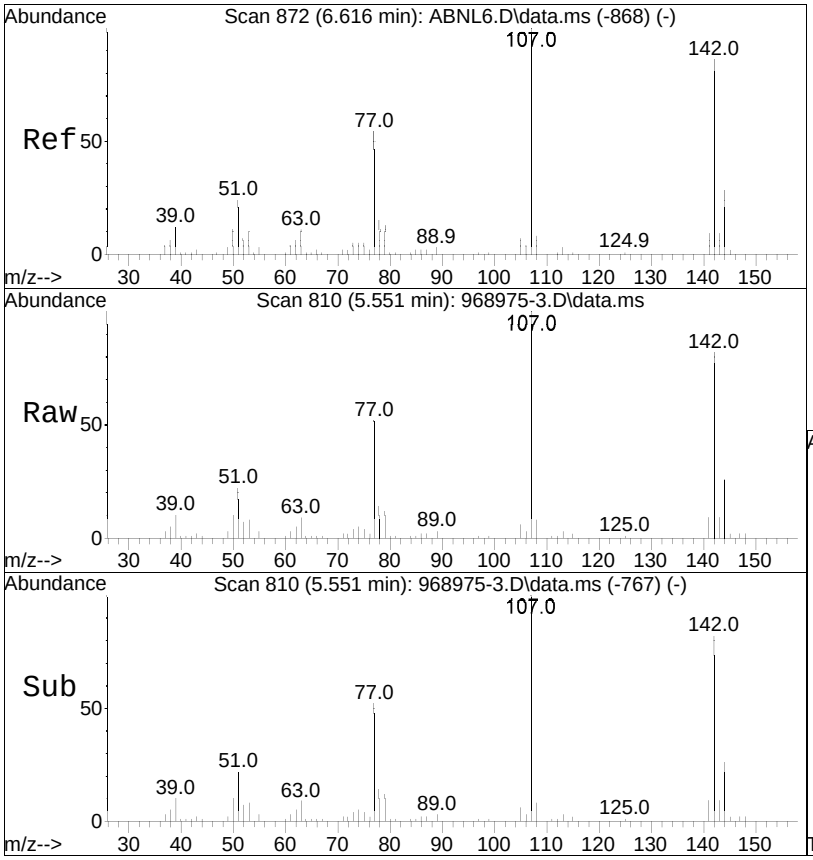


#39
Hexachlorobutadiene
Concen: 1.55 ug/ml
RT: 5.099 min Scan# 733
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:225 Resp: 9180

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.5	75.7
227	65.8	50.4	75.6

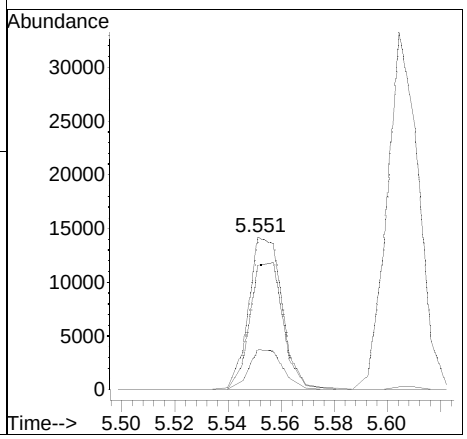


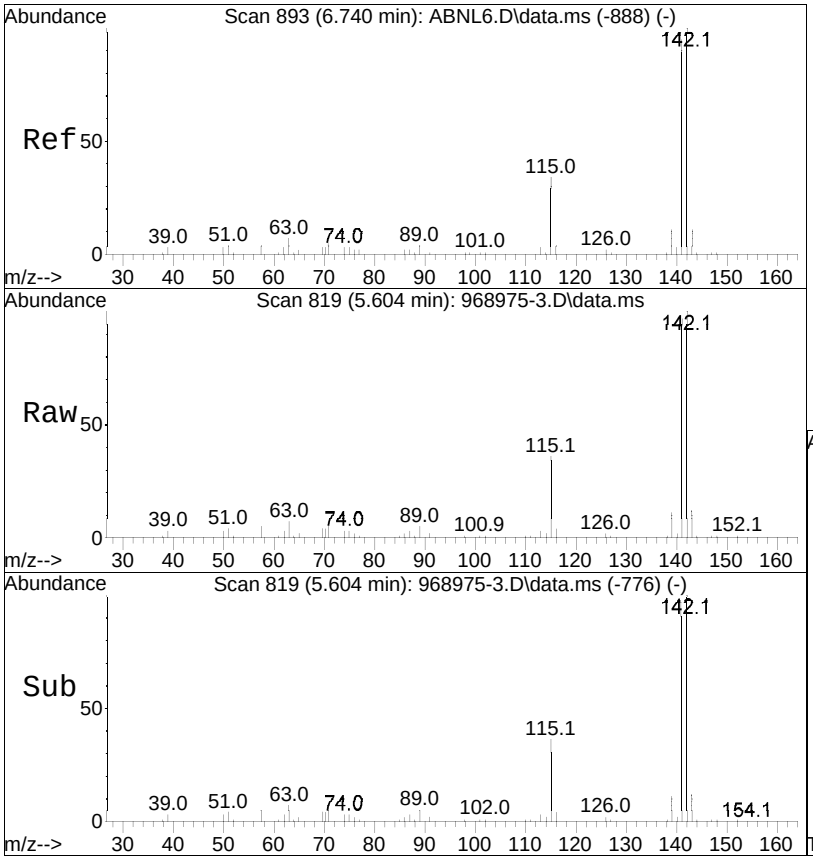


#40
p-Chloro-m-cresol
Concen: 1.87 ug/ml
RT: 5.551 min Scan# 810
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:107 Resp: 12435

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.3	30.5
142	82.2	63.8	95.6

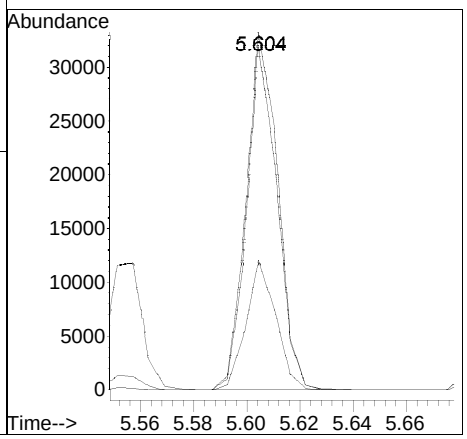


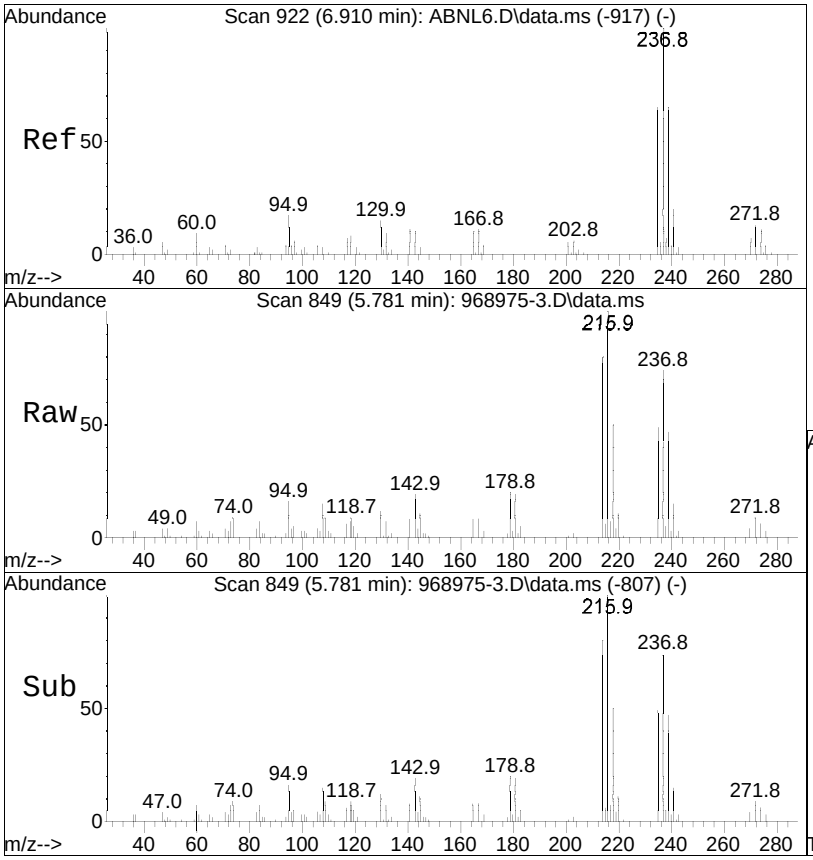


#41
2-Methylnaphthalene
Concen: 1.59 ug/ml
RT: 5.604 min Scan# 819
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:142 Resp: 27263

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.2	108.4
115	34.2	27.8	41.6

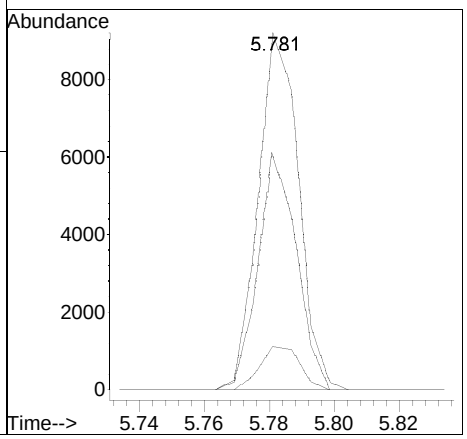


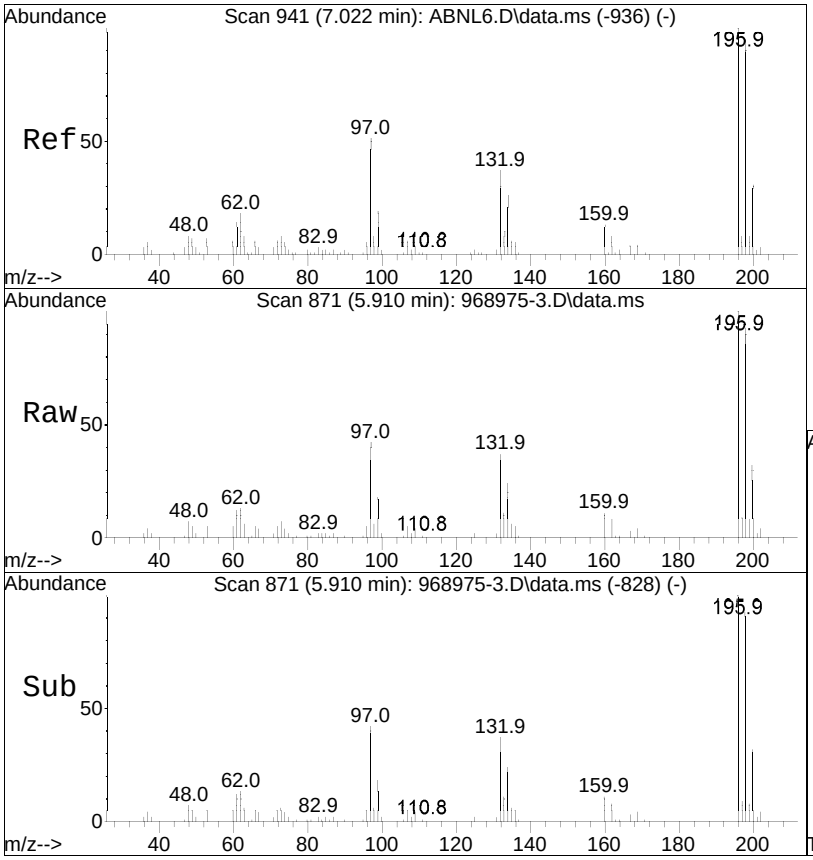


#43
Hexachlorocyclopentadiene
Concen: 1.31 ug/ml
RT: 5.781 min Scan# 849
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:237 Resp: 7891

Ion	Ratio	Lower	Upper
237	100		
235	63.4	50.9	76.3
272	12.3	10.1	15.1

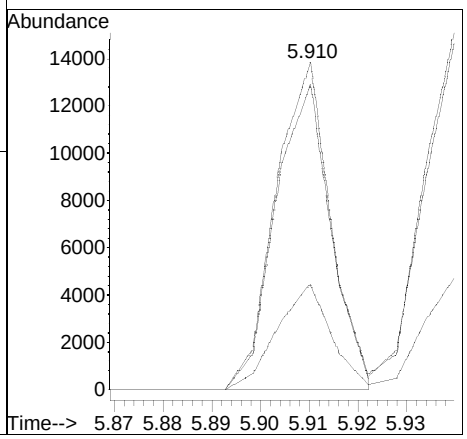


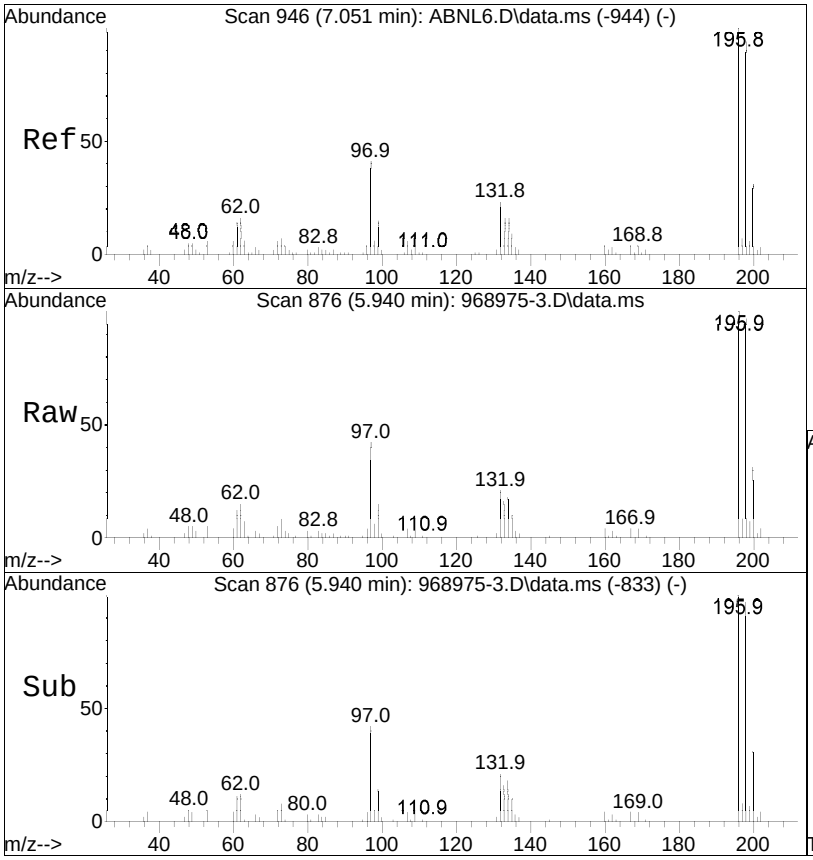


#44
2,4,6-Trichlorophenol
Concen: 1.76 ug/ml
RT: 5.910 min Scan# 871
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:196 Resp: 10882

Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.4	114.6
200	32.0	24.4	36.6

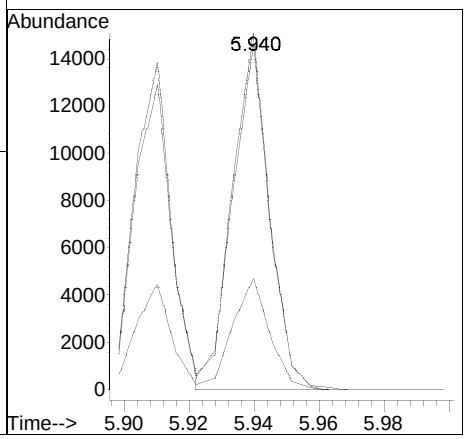


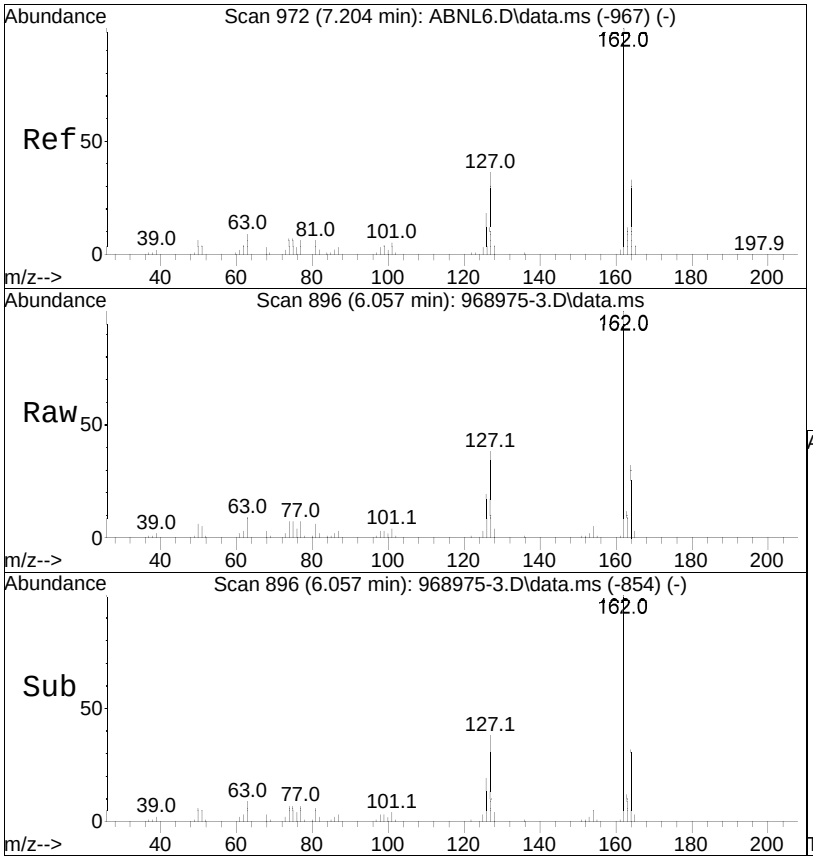


#45
2,4,5-Trichlorophenol
Concen: 1.88 ug/ml
RT: 5.940 min Scan# 876
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:196 Resp: 11835

Ion	Ratio	Lower	Upper
196	100		
200	31.6	24.2	36.4
198	96.5	76.2	114.2

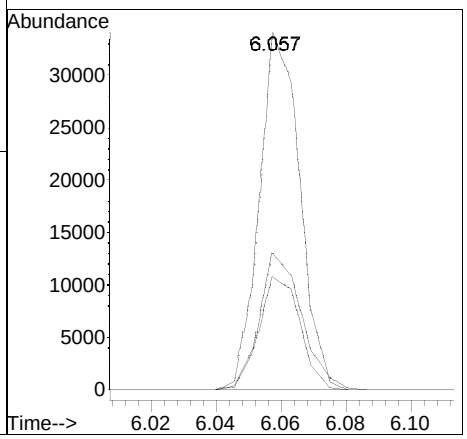


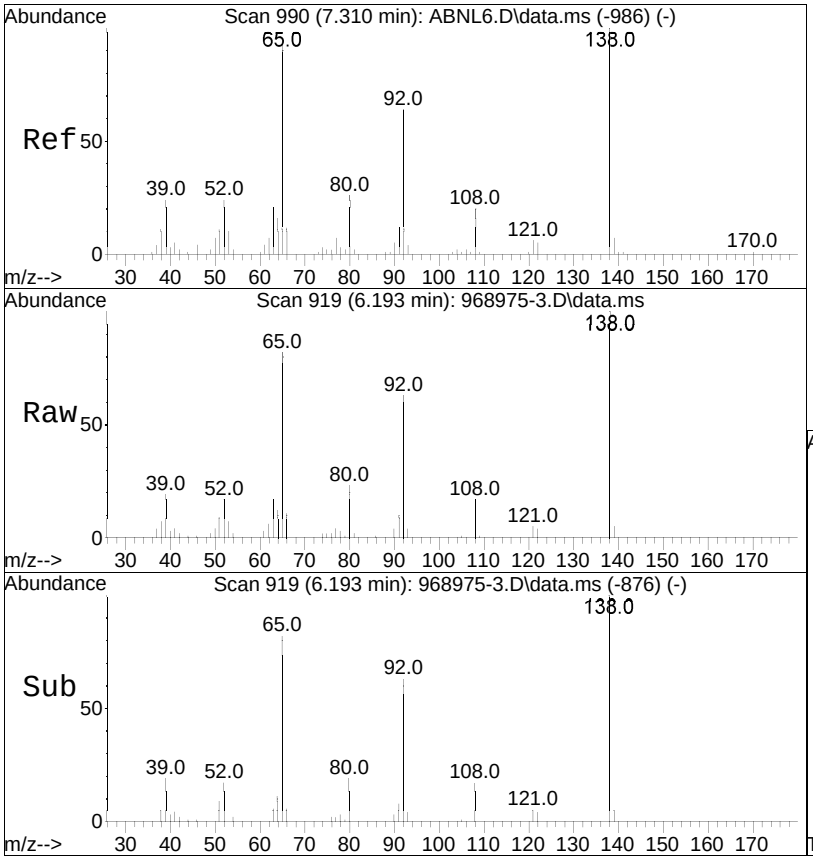


#47
2-Chloronaphthalene
Concen: 1.60 ug/ml
RT: 6.057 min Scan# 896
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:162 Resp: 29187

Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.8	50.6
164	32.4	25.8	38.6

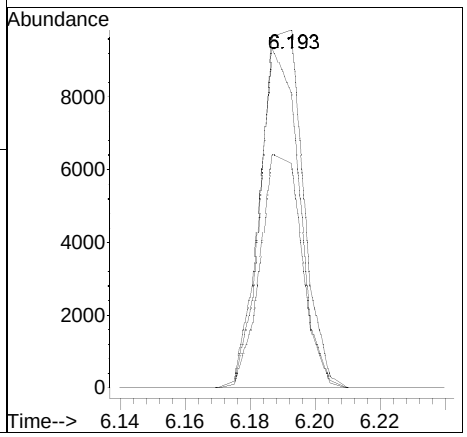


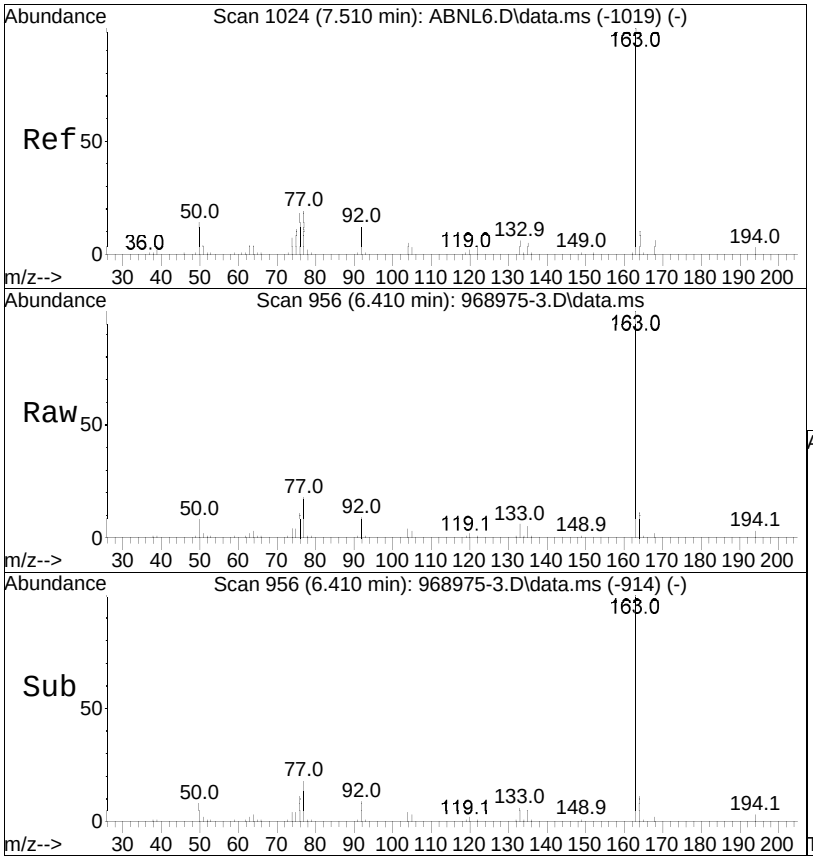


#48
2-Nitroaniline
Concen: 1.83 ug/ml
RT: 6.193 min Scan# 919
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:138 Resp: 8834

Ion	Ratio	Lower	Upper
138	100		
92	64.7	52.1	78.1
65	89.6	75.9	113.9

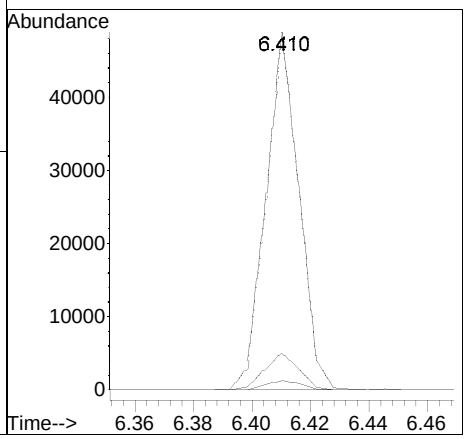


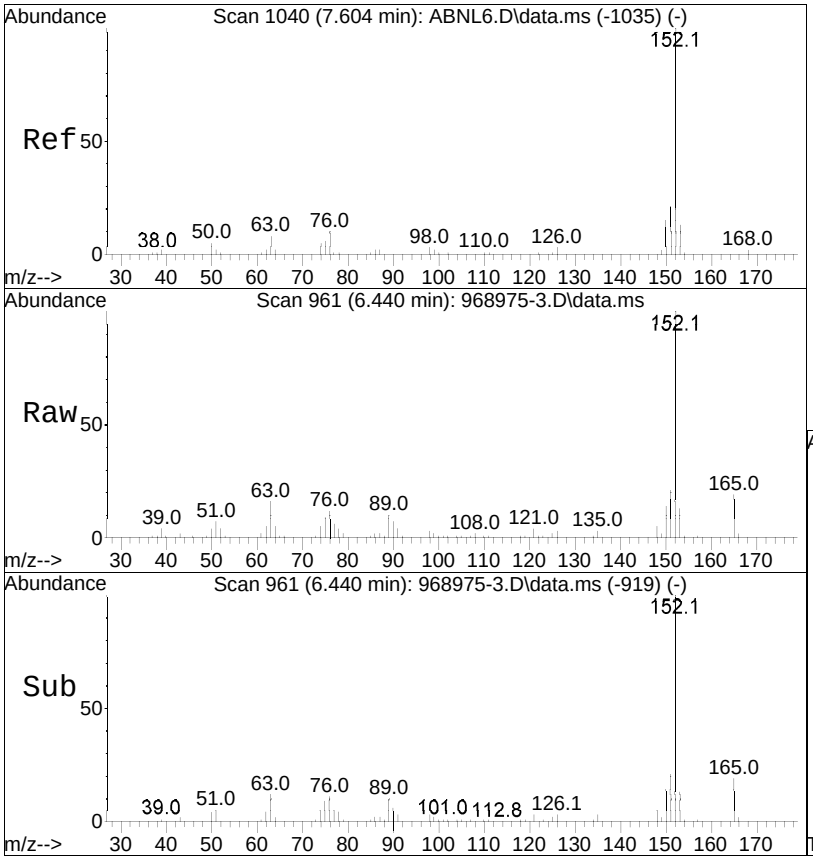


#51
Dimethyl phthalate
Concen: 1.70 ug/ml
RT: 6.410 min Scan# 956
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:163 Resp: 37766

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.3	3.5
164	10.7	8.2	12.2

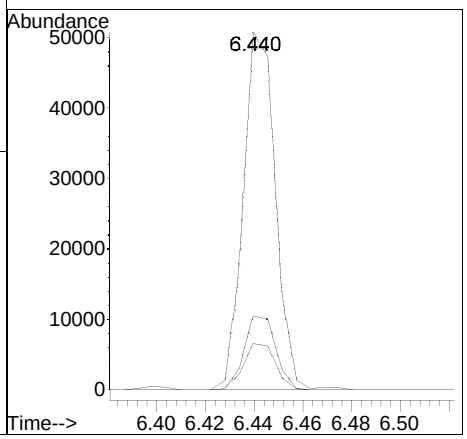


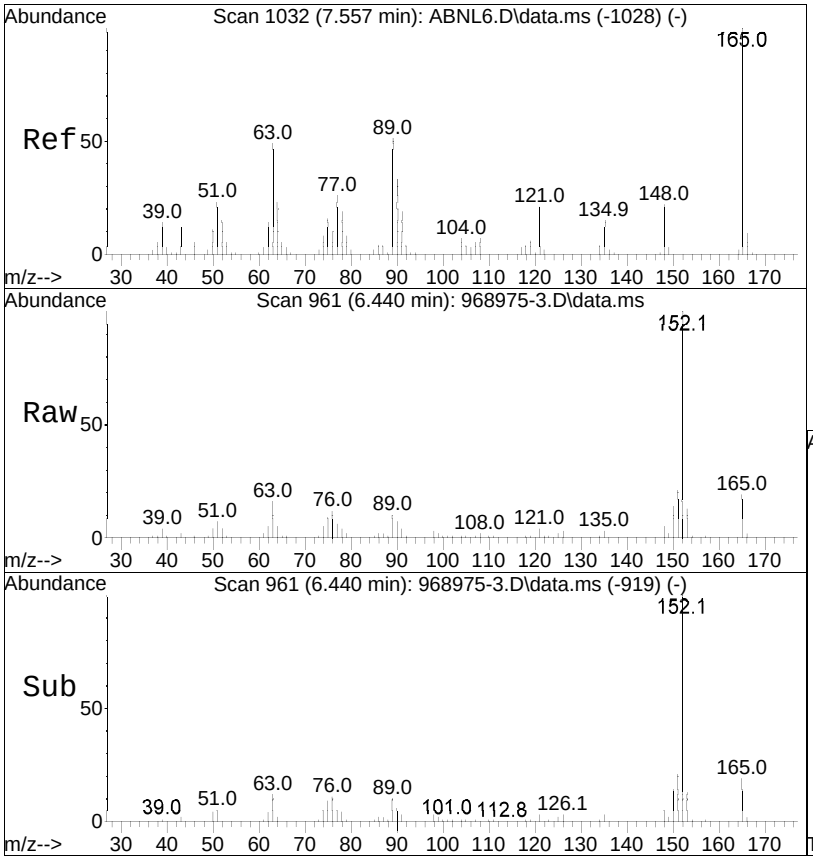


#52
Acenaphthylene
Concen: 1.71 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:152 Resp: 46047

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.1	10.5	15.7

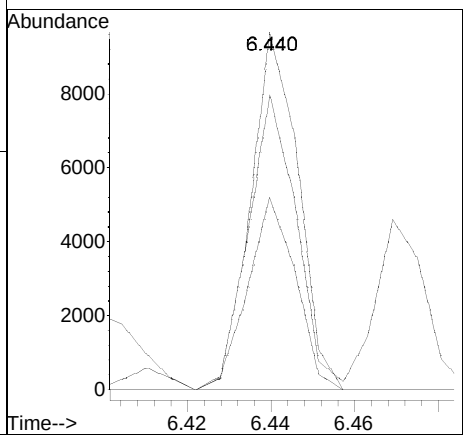


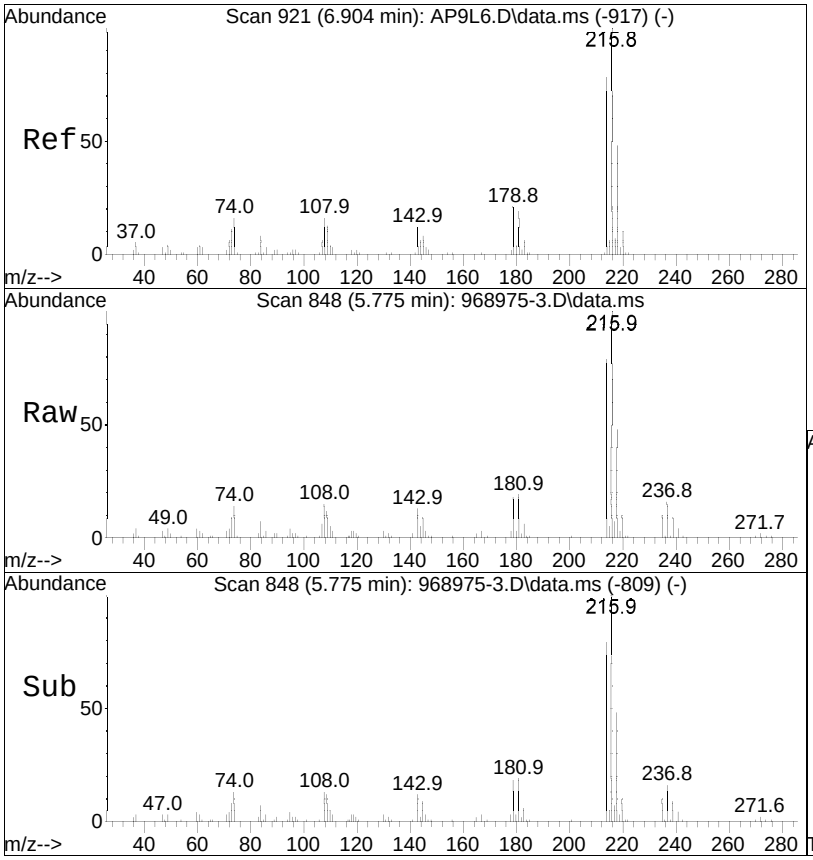


#53
2,6-Dinitrotoluene
Concen: 1.84 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:165 Resp: 7615

Ion	Ratio	Lower	Upper
165	100		
89	54.2	48.8	73.2
63	83.5	50.5	75.7#

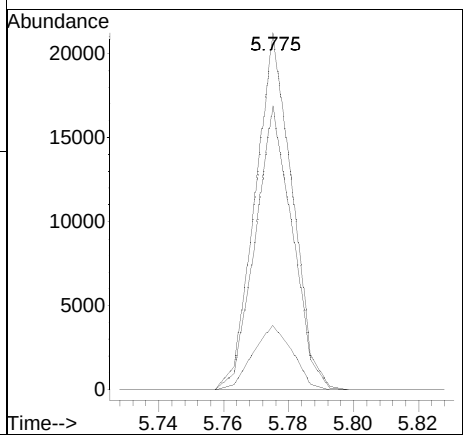


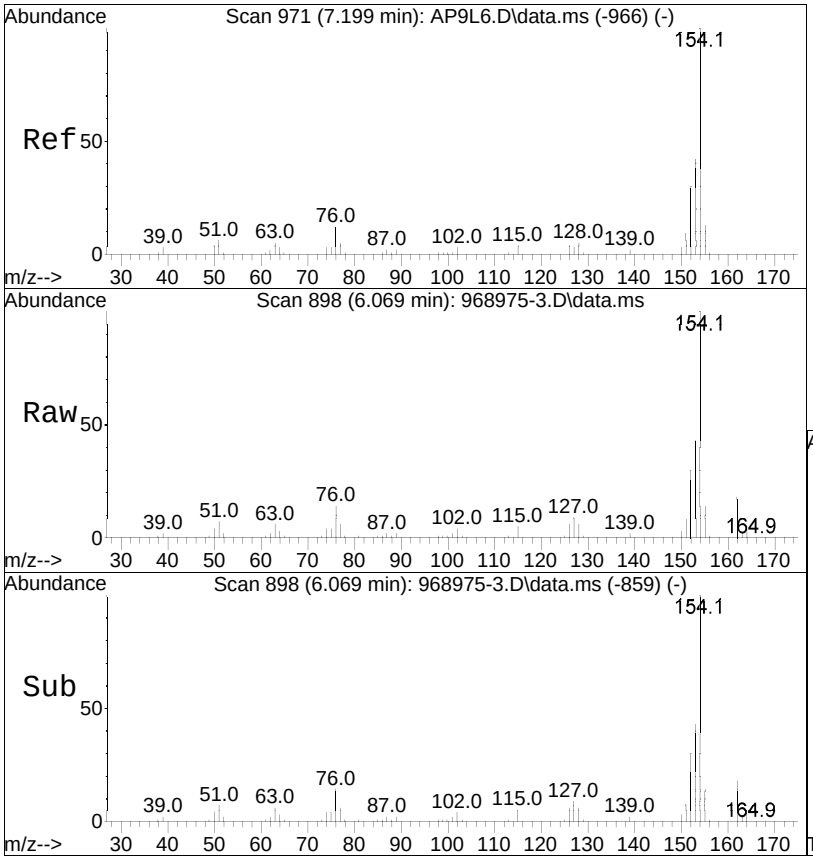


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.45 ug/ml
RT: 5.775 min Scan# 848
Delta R.T. -0.018 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:216 Resp: 16753

Ion	Ratio	Lower	Upper
216	100		
214	79.5	64.0	96.0
179	19.2	18.7	28.1

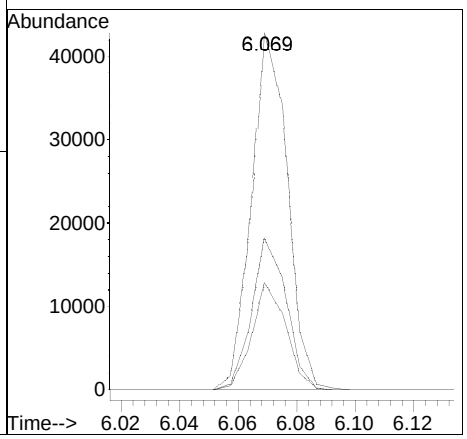


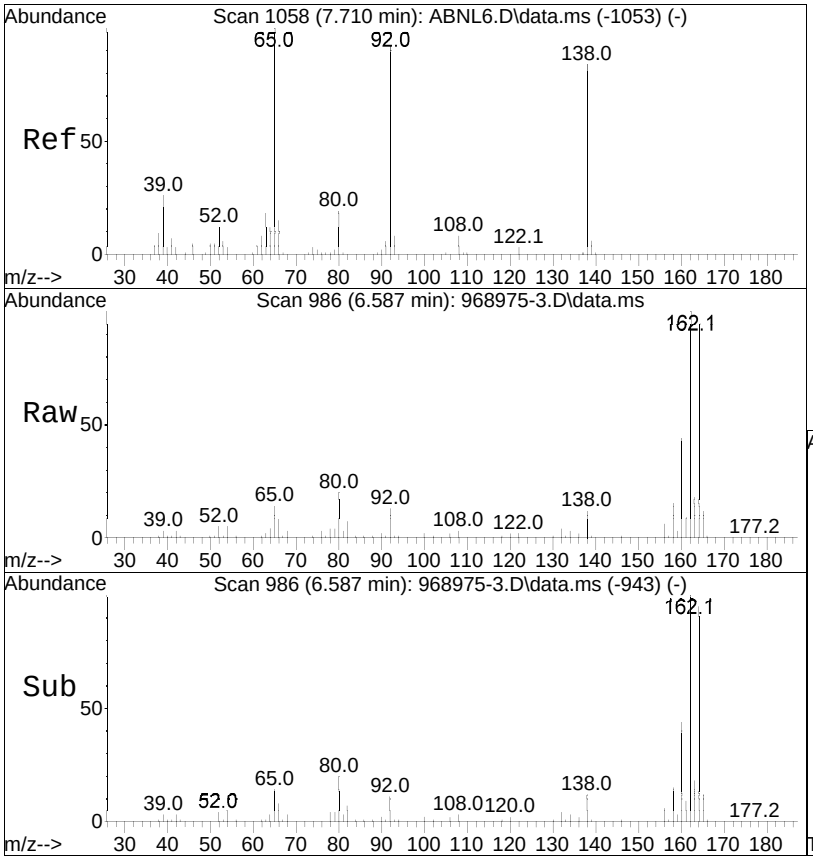


#62
Biphenyl
Concen: 1.47 ug/ml
RT: 6.069 min Scan# 898
Delta R.T. -0.018 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:154 Resp: 36268

Ion	Ratio	Lower	Upper
154	100		
153	41.1	32.5	48.7
152	28.7	22.6	34.0

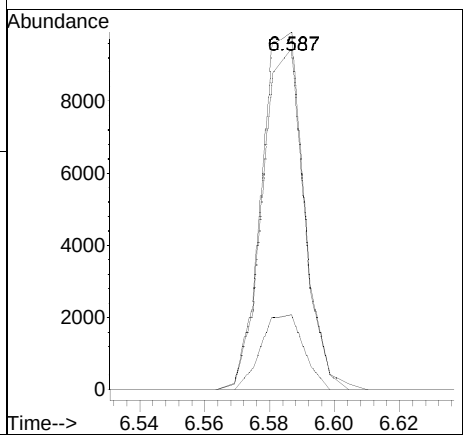


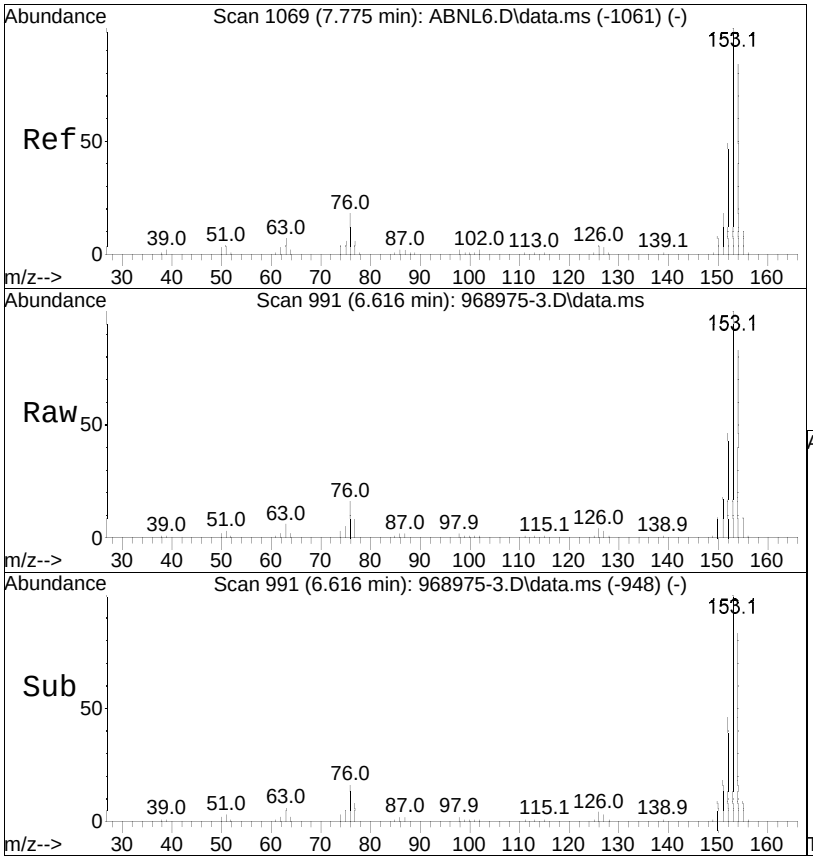


#64
3-Nitroaniline
Concen: 1.79 ug/ml
RT: 6.587 min Scan# 986
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:138 Resp: 8317

Ion	Ratio	Lower	Upper
138	100		
92	107.7	92.8	139.2
108	22.7	7.9	11.9#

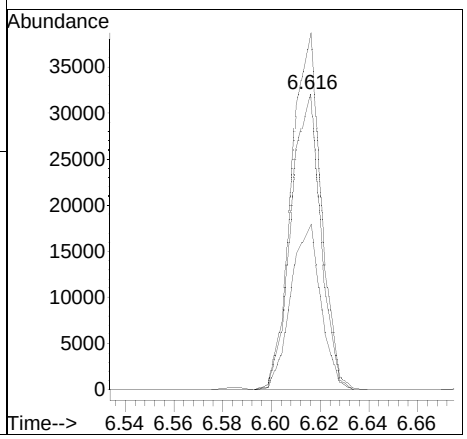


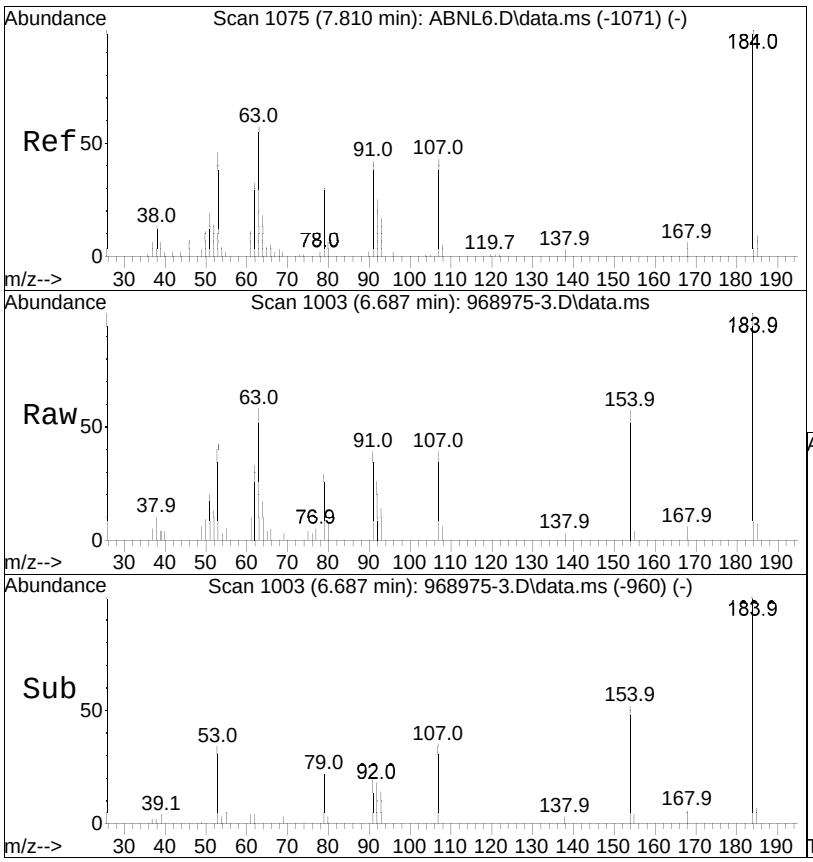


#65
Acenaphthene
Concen: 1.57 ug/ml
RT: 6.616 min Scan# 991
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:154 Resp: 27202

Ion	Ratio	Lower	Upper
154	100		
153	119.9	93.0	139.4
152	56.8	43.3	64.9

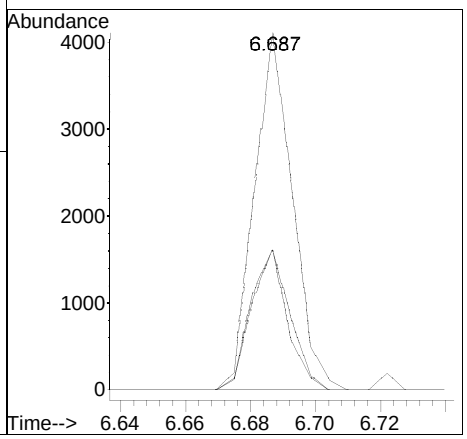


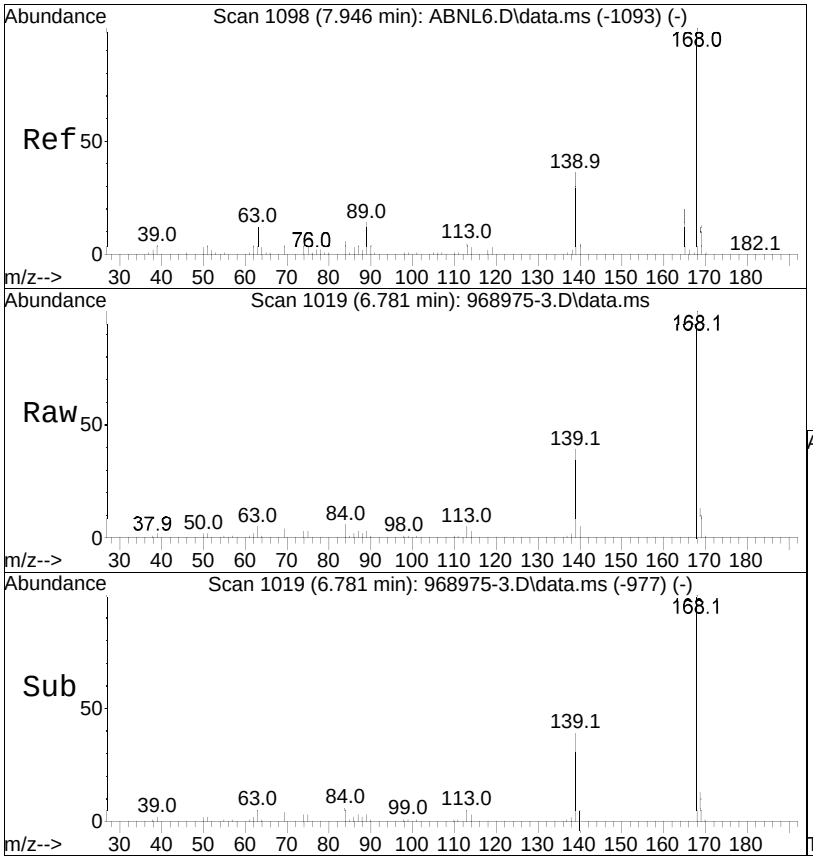


#66
2,4-Dinitrophenol
Concen: 1.62 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:184 Resp: 3327

Ion	Ratio	Lower	Upper
184	100		
107	37.0	41.8	62.6#
91	40.8	44.2	66.2#

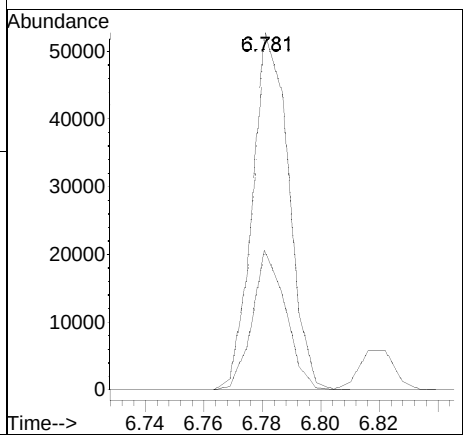


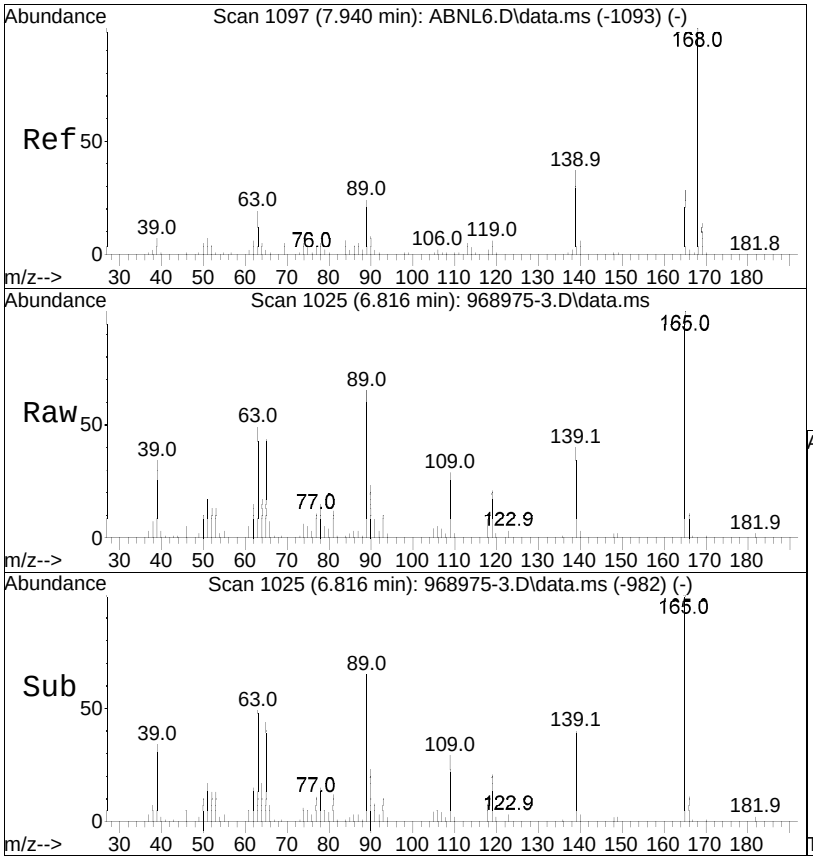


#67
Dibenzofuran
Concen: 1.58 ug/ml
RT: 6.781 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:168 Resp: 45048

Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

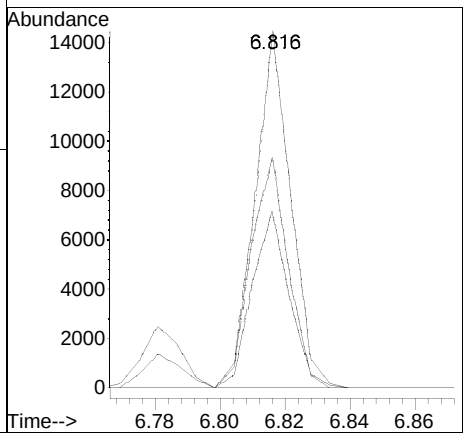


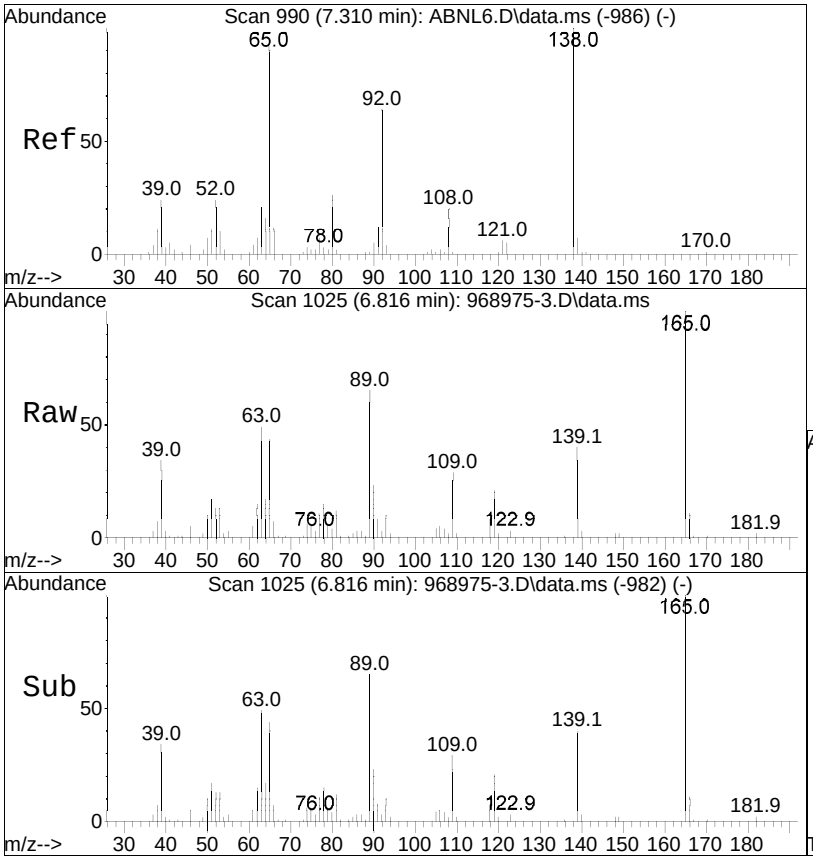


#68
2,4-Dinitrotoluene
Concen: 1.84 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:165 Resp: 10957

Ion	Ratio	Lower	Upper
165	100		
89	67.3	73.0	109.4#
63	51.4	56.3	84.5#

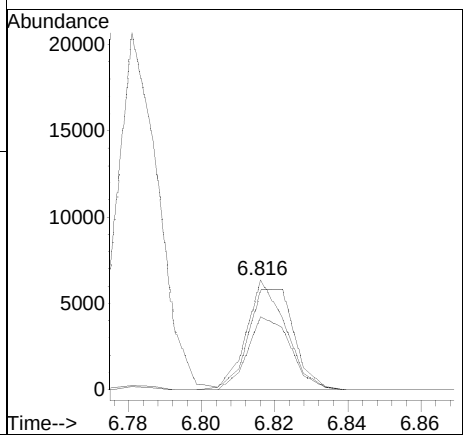


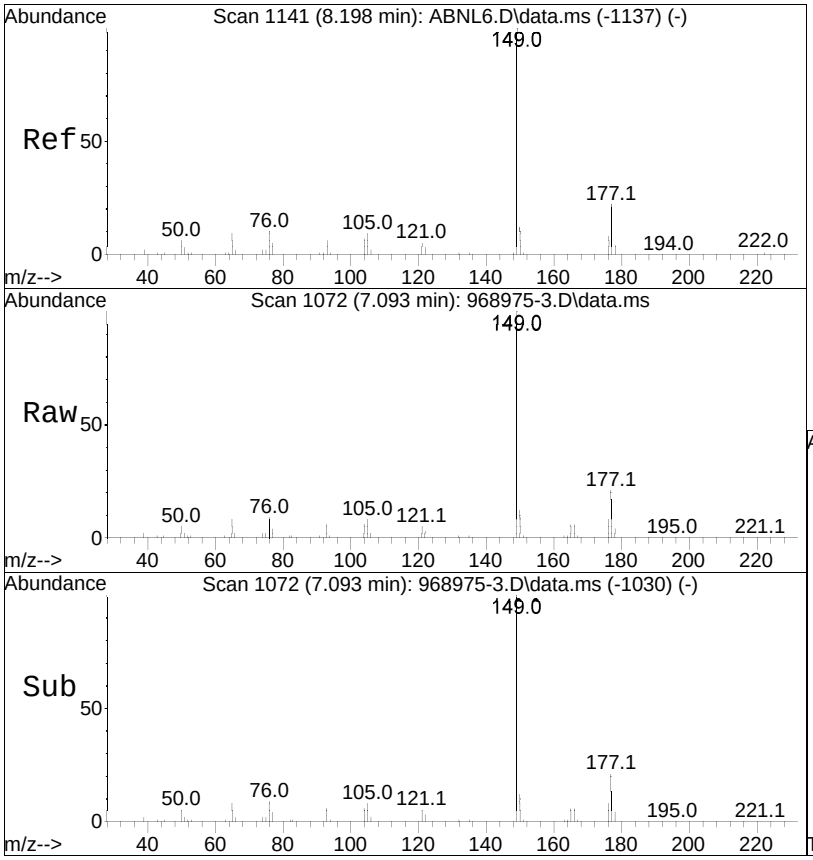


#69
4-Nitrophenol
Concen: 1.06 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion: 65 Resp: 4784

Ion	Ratio	Lower	Upper
65	100		
109	72.4	60.2	90.2
139	105.3	81.1	121.7

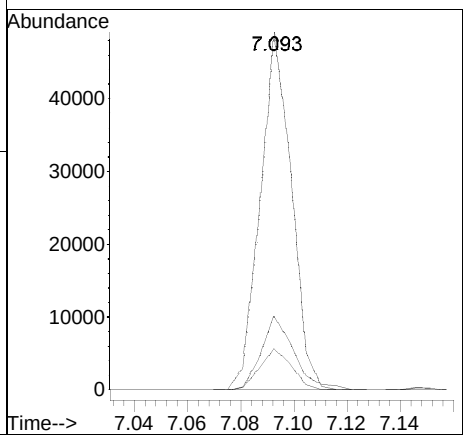


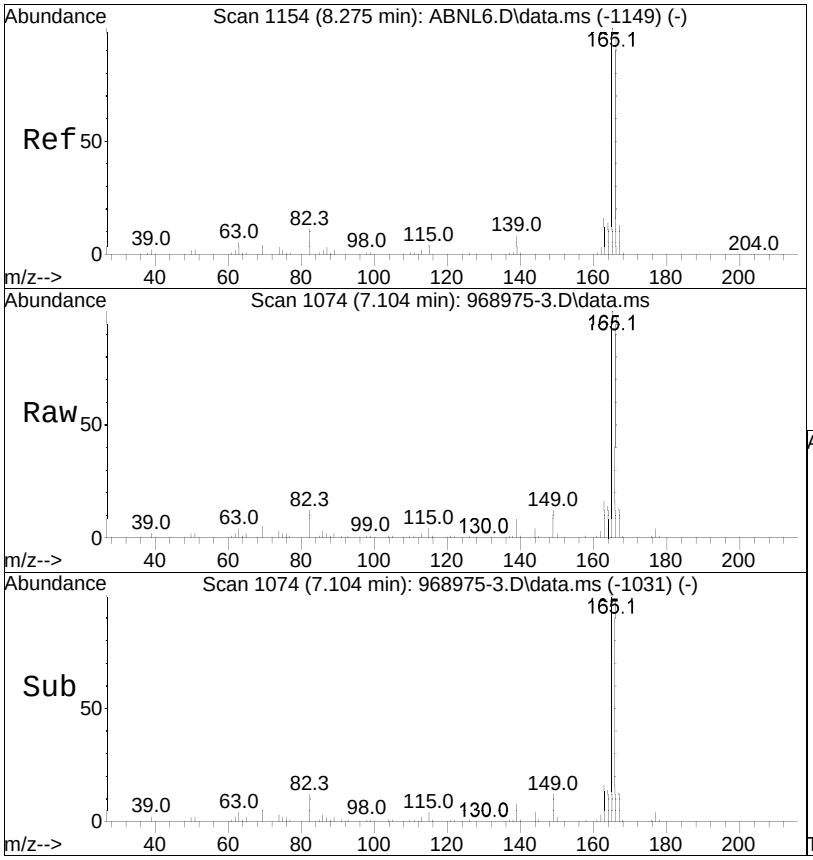


#72
Diethyl phthalate
Concen: 1.71 ug/ml
RT: 7.093 min Scan# 1072
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:149 Resp: 39526

Ion	Ratio	Lower	Upper
149	100		
177	22.0	15.0	22.6
150	12.0	9.8	14.6

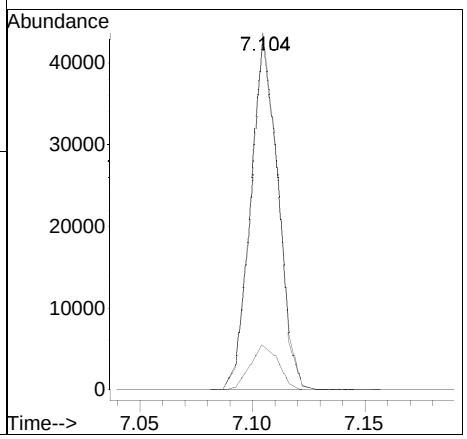


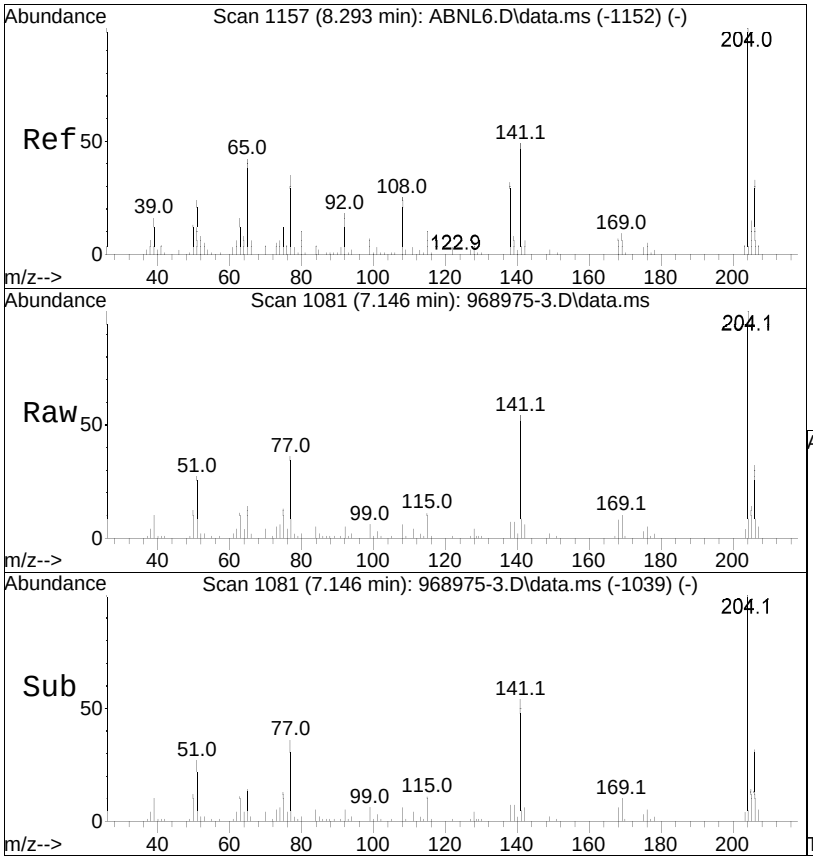


#73
Fluorene
Concen: 1.61 ug/ml
RT: 7.104 min Scan# 1074
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:166 Resp: 35820

Ion	Ratio	Lower	Upper
166	100		
165	103.6	80.0	120.0
167	13.5	10.7	16.1

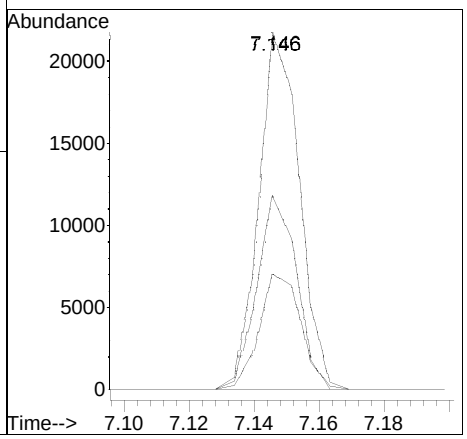


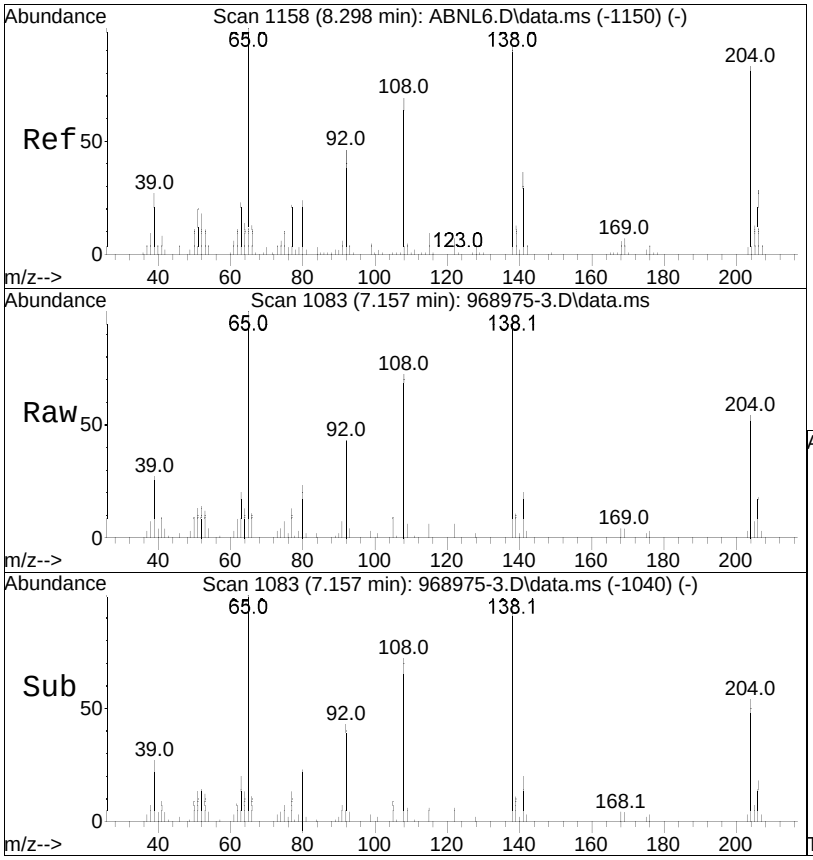


#74
4-Chlorophenyl phenyl ether
Concen: 1.55 ug/ml
RT: 7.146 min Scan# 1081
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:204 Resp: 18699

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.3	39.5
141	53.2	58.4	87.6#

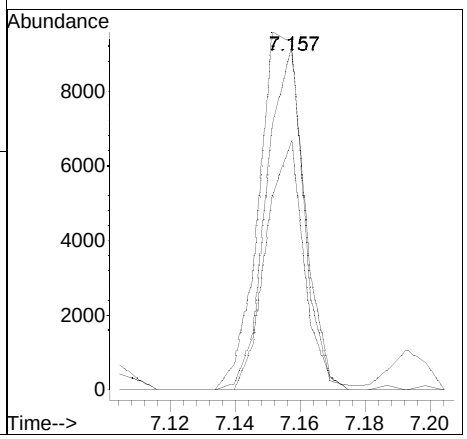


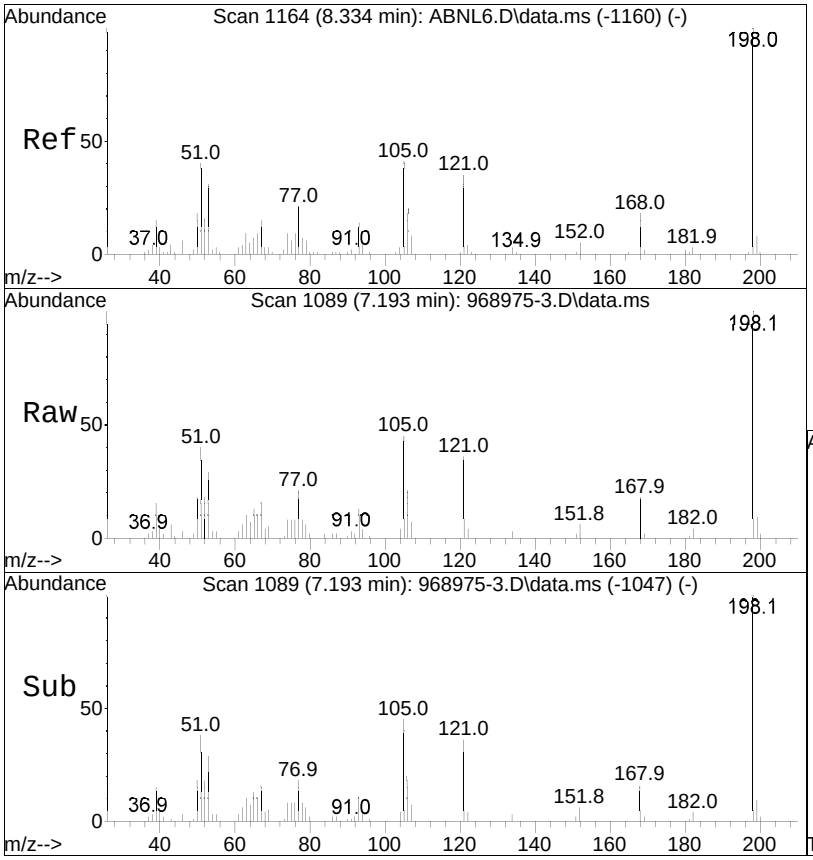


#75
4-Nitroaniline
Concen: 1.54 ug/ml
RT: 7.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:138 Resp: 7525

Ion	Ratio	Lower	Upper
138	100		
108	71.2	59.2	88.8
65	119.4	97.6	146.4

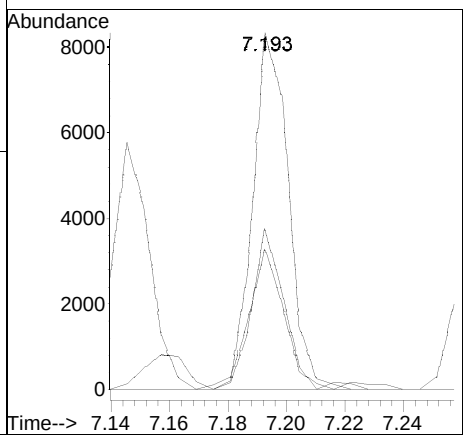


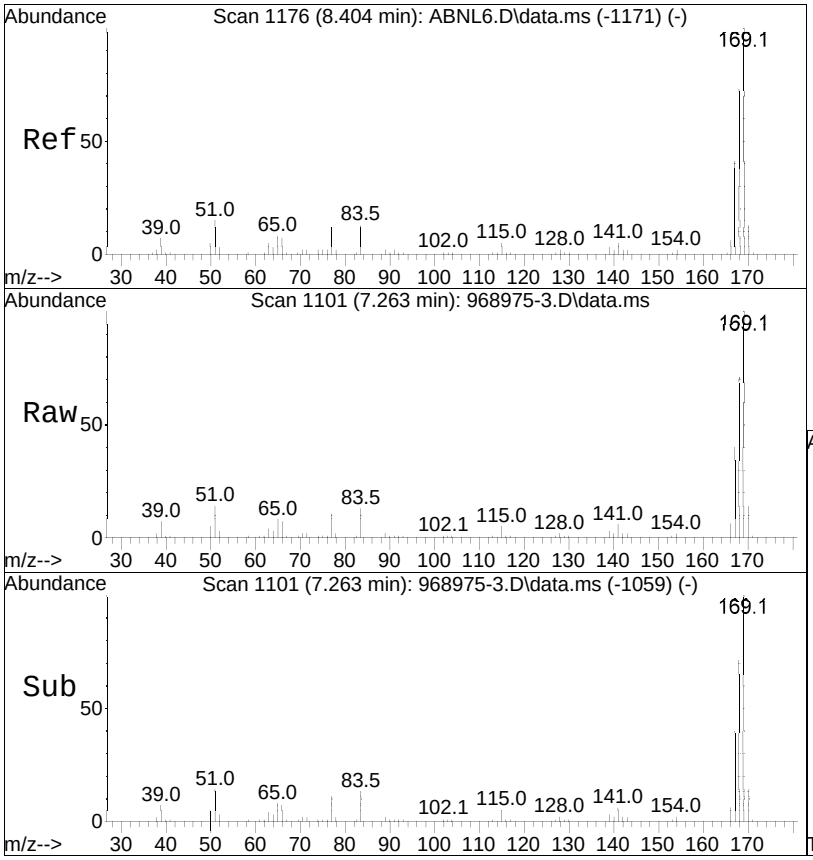


#76
4,6-Dinitro-o-cresol
Concen: 1.99 ug/ml
RT: 7.193 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:198 Resp: 7032

Ion	Ratio	Lower	Upper
198	100		
51	39.2	49.9	74.9#
105	42.0	45.8	68.6#

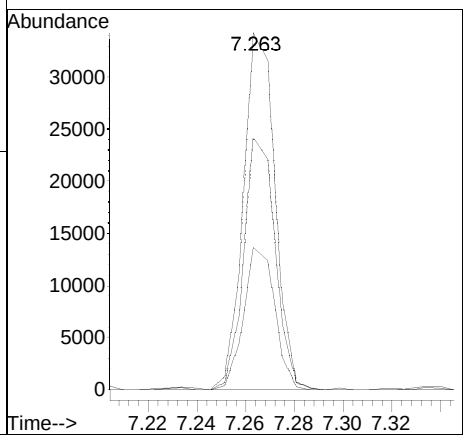


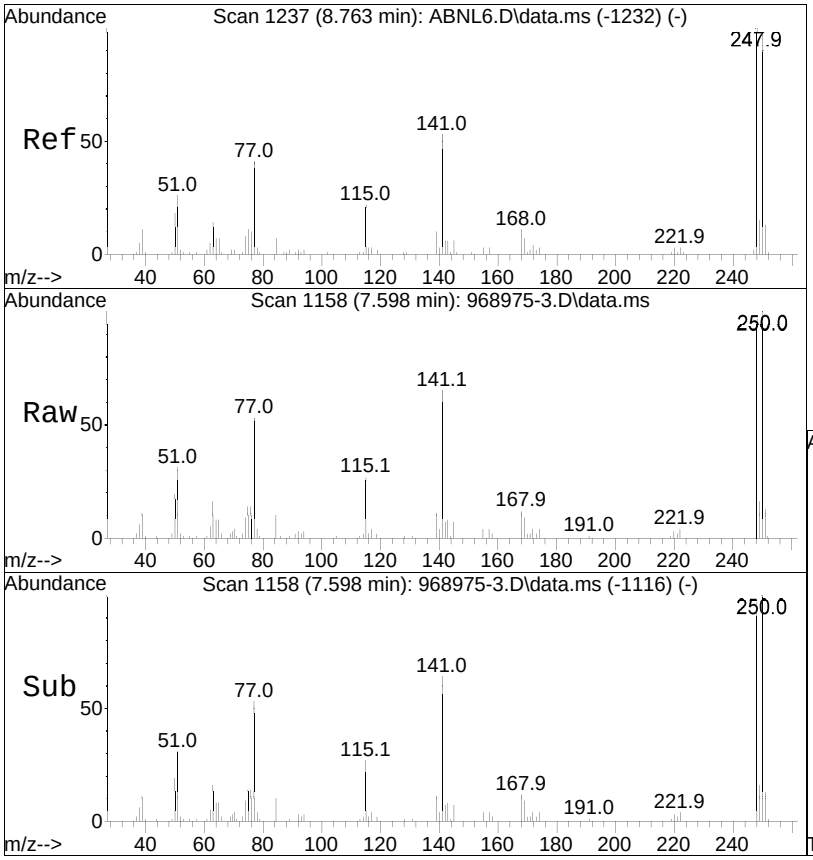


#77
NDPA/DPA
Concen: 1.62 ug/ml
RT: 7.263 min Scan# 1101
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:169 Resp: 30902

Ion	Ratio	Lower	Upper
169	100		
168	70.0	55.2	82.8
167	39.3	30.4	45.6

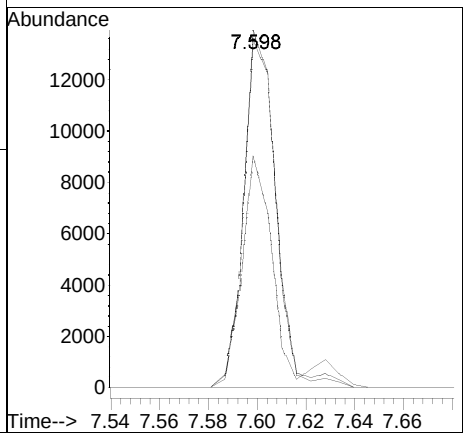


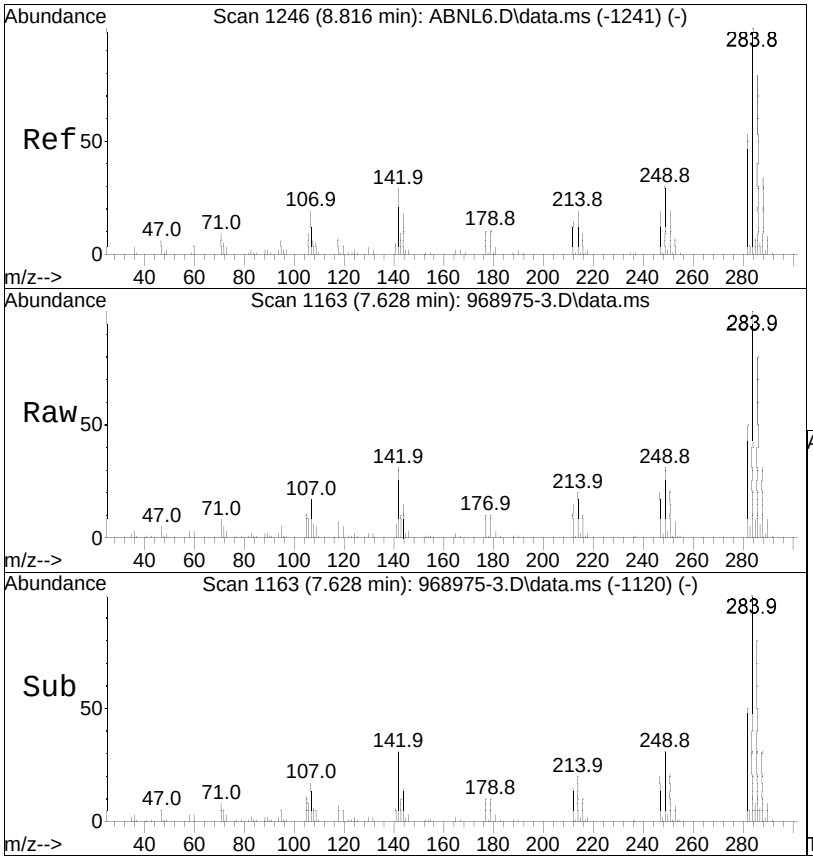


#80
4-Bromophenyl phenyl ether
Concen: 1.58 ug/ml
RT: 7.598 min Scan# 1158
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:248 Resp: 12241

Ion	Ratio	Lower	Upper
248	100		
141	64.5	74.6	111.8#
250	104.1	76.9	115.3

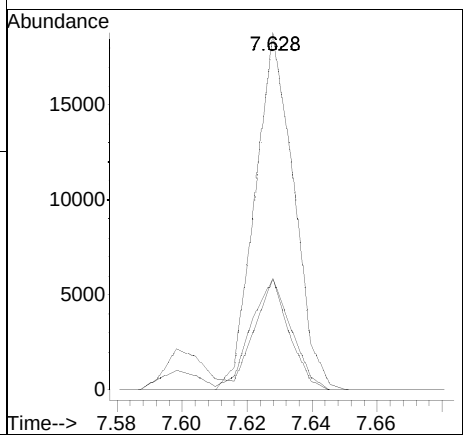


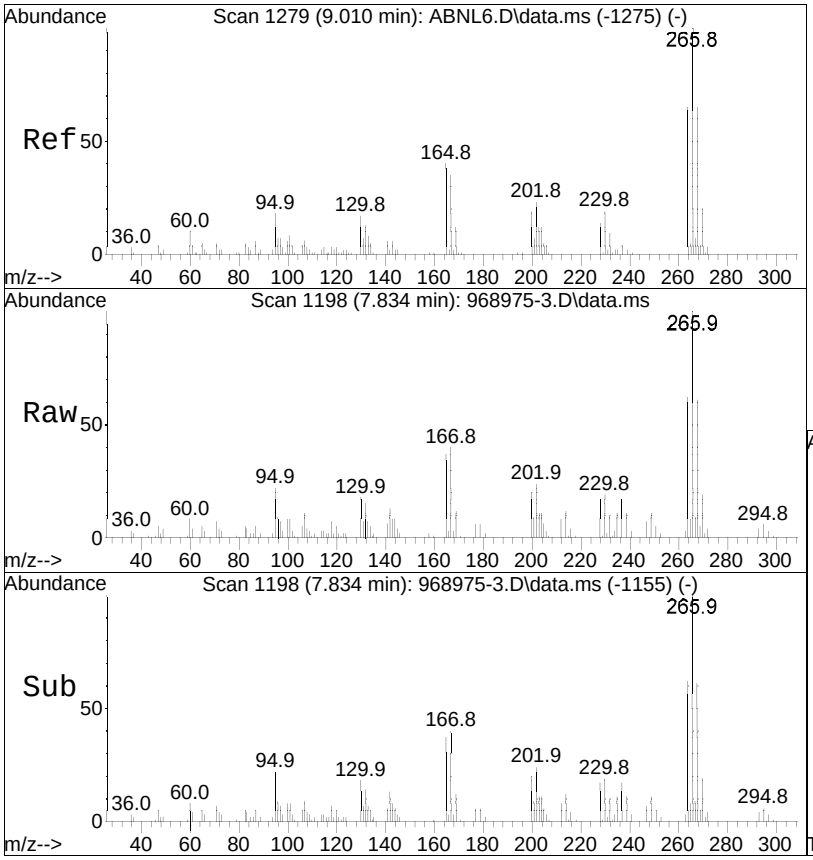


#81
Hexachlorobenzene
Concen: 1.59 ug/ml
RT: 7.628 min Scan# 1163
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:284 Resp: 15515

Ion	Ratio	Lower	Upper
284	100		
142	30.6	37.6	56.4#
249	29.0	25.4	38.2

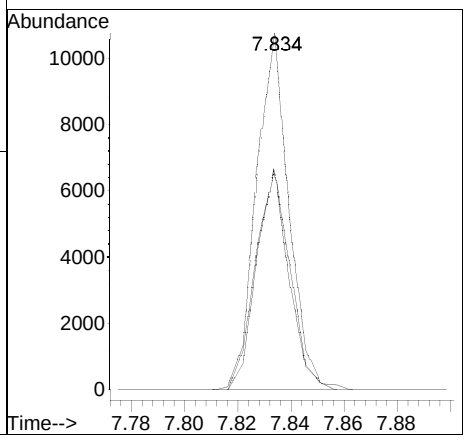


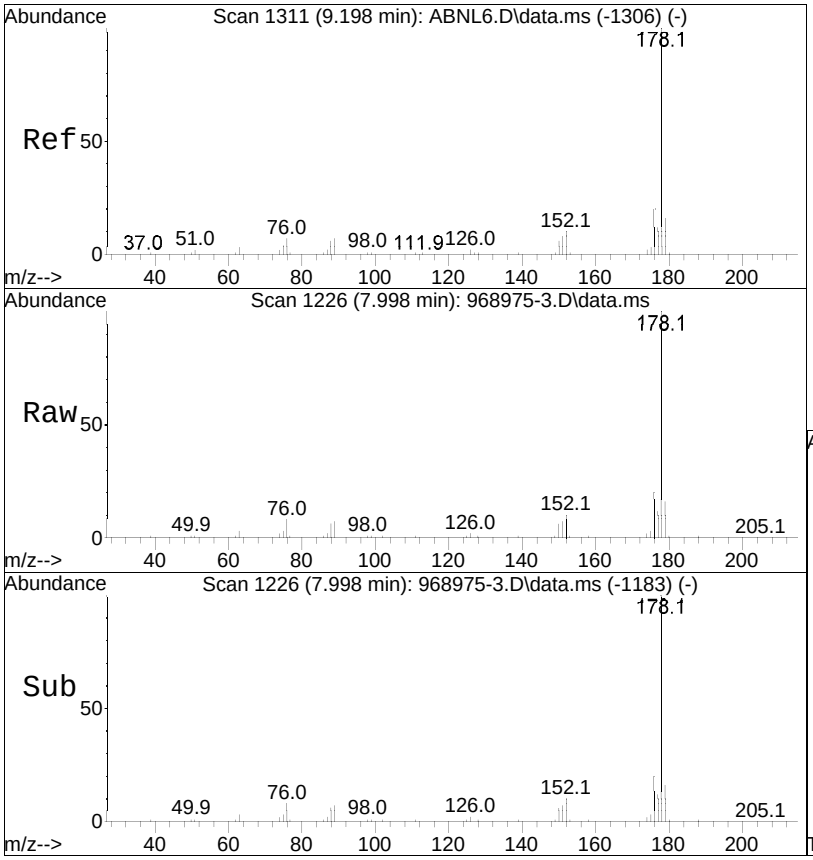


#82
Pentachlorophenol
Concen: 1.82 ug/ml
RT: 7.834 min Scan# 1198
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:266 Resp: 9121

Ion	Ratio	Lower	Upper
266	100		
264	61.3	50.7	76.1
268	65.7	52.5	78.7

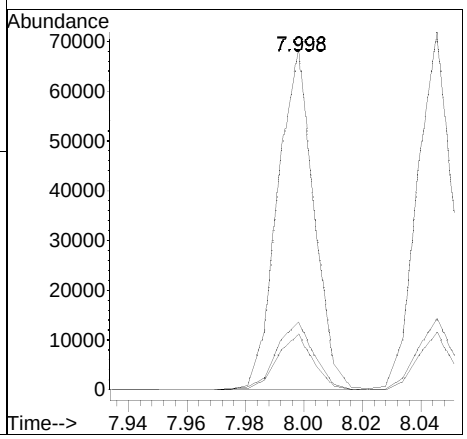


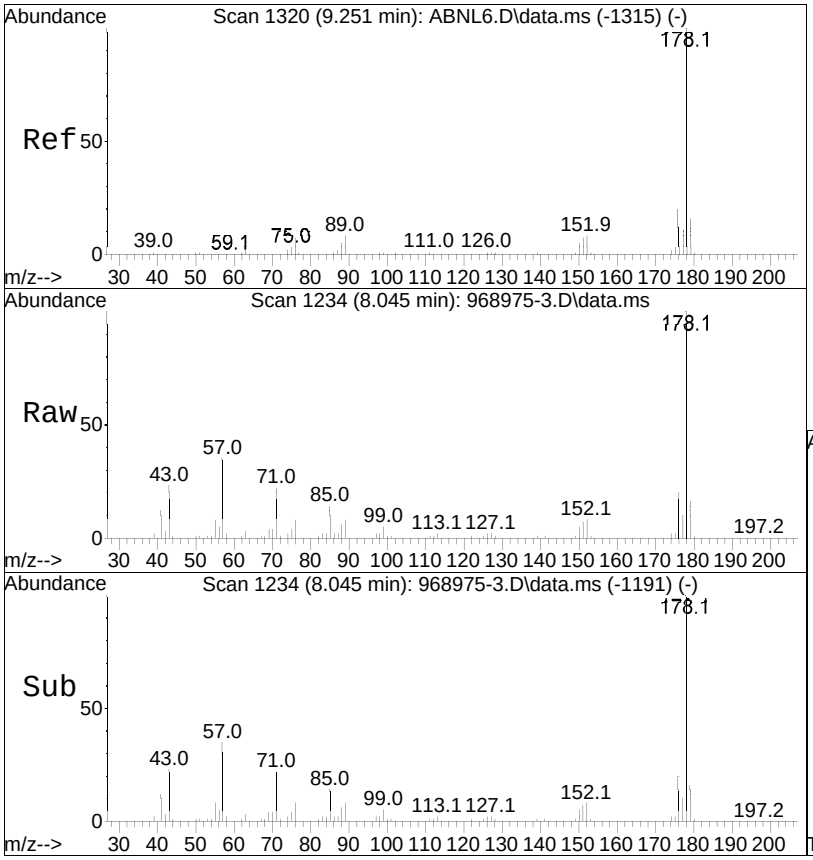


#89
Phenanthrene
Concen: 1.68 ug/ml
RT: 7.998 min Scan# 1226
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:178 Resp: 59132

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	20.6	15.4	23.2

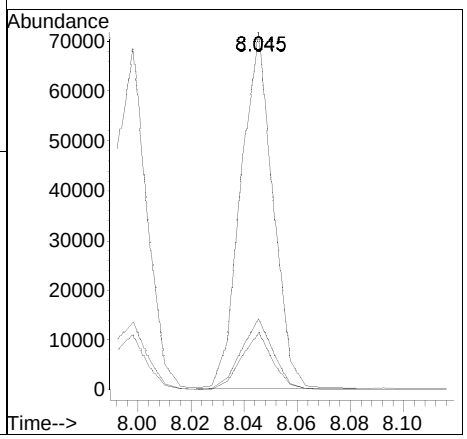


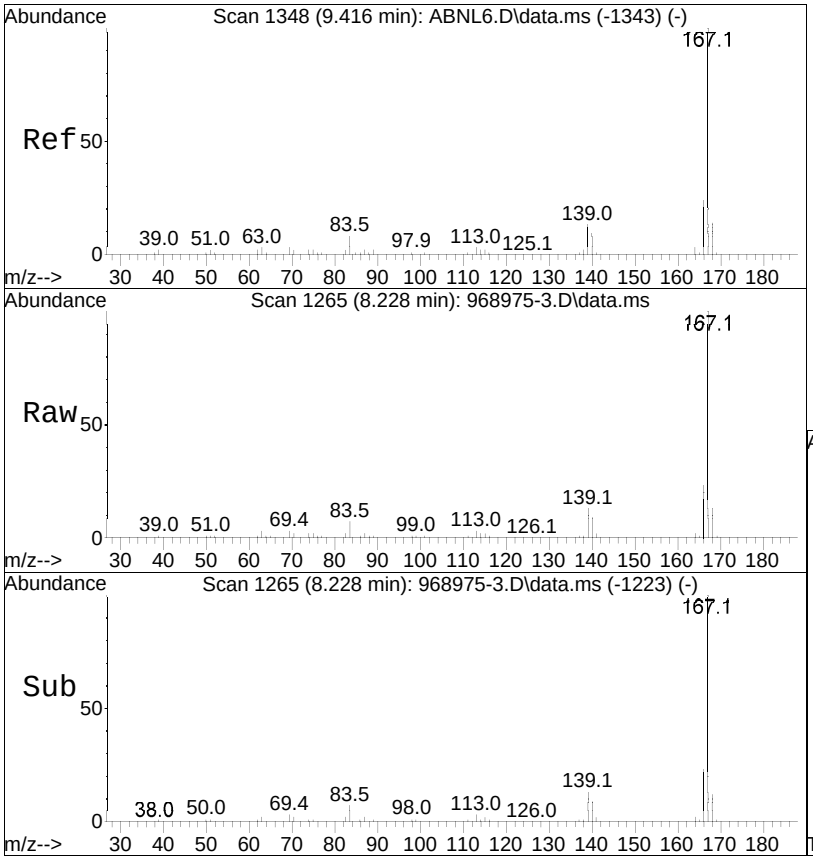


#90
Anthracene
Concen: 1.75 ug/ml
RT: 8.045 min Scan# 1234
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:178 Resp: 60220

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.8	15.1	22.7

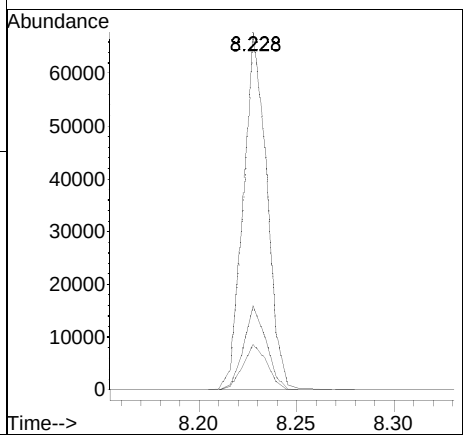


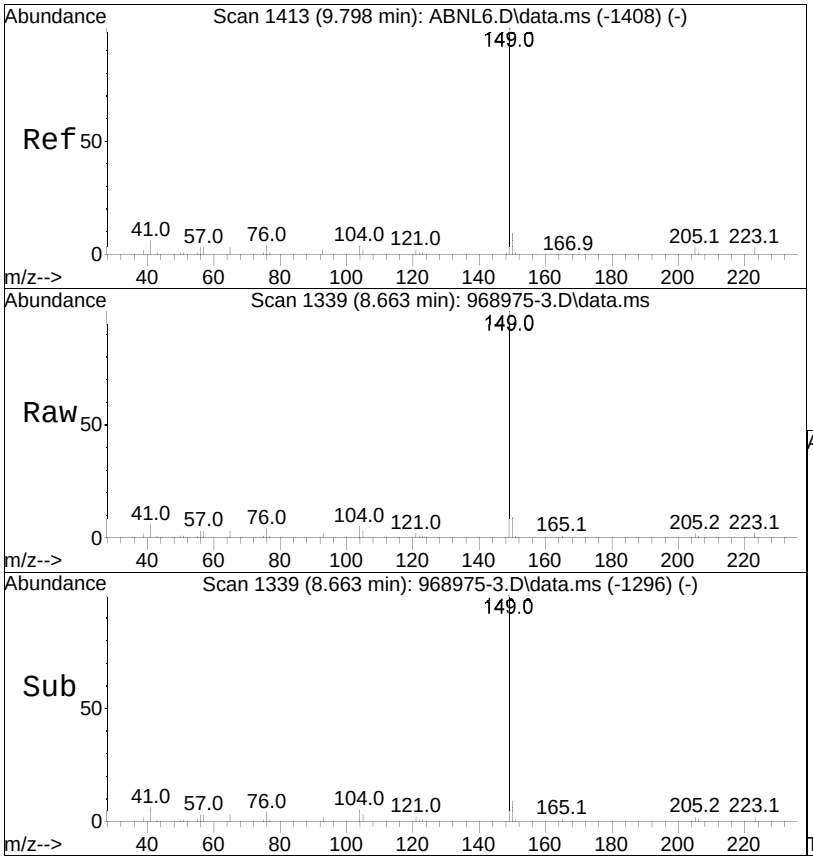


#91
Carbazole
Concen: 1.79 ug/ml
RT: 8.228 min Scan# 1265
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:167 Resp: 56457

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.8	16.2
166	22.7	17.7	26.5

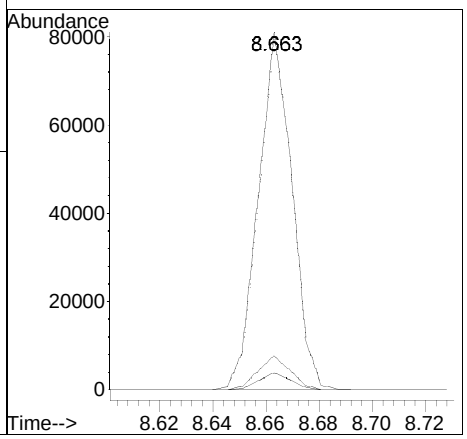


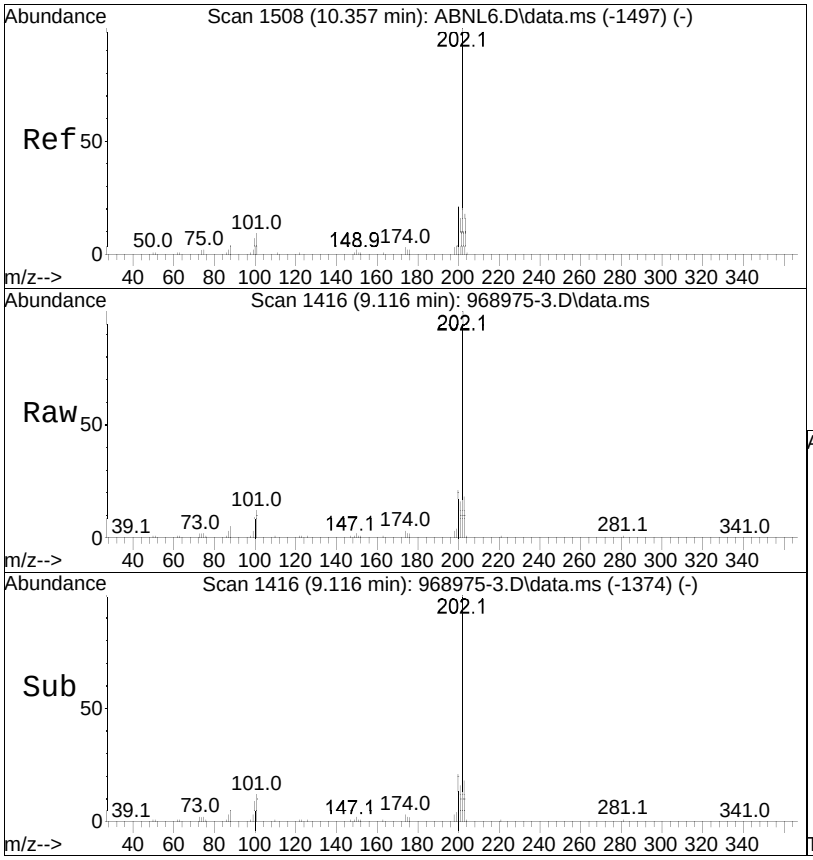


#92
Di-n-butylphthalate
Concen: 2.04 ug/ml
RT: 8.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:149 Resp: 70169

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.6	4.0	6.0

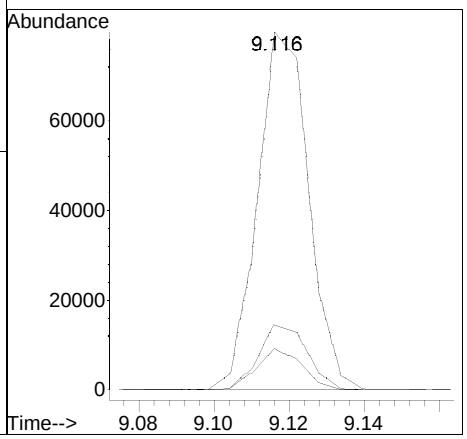


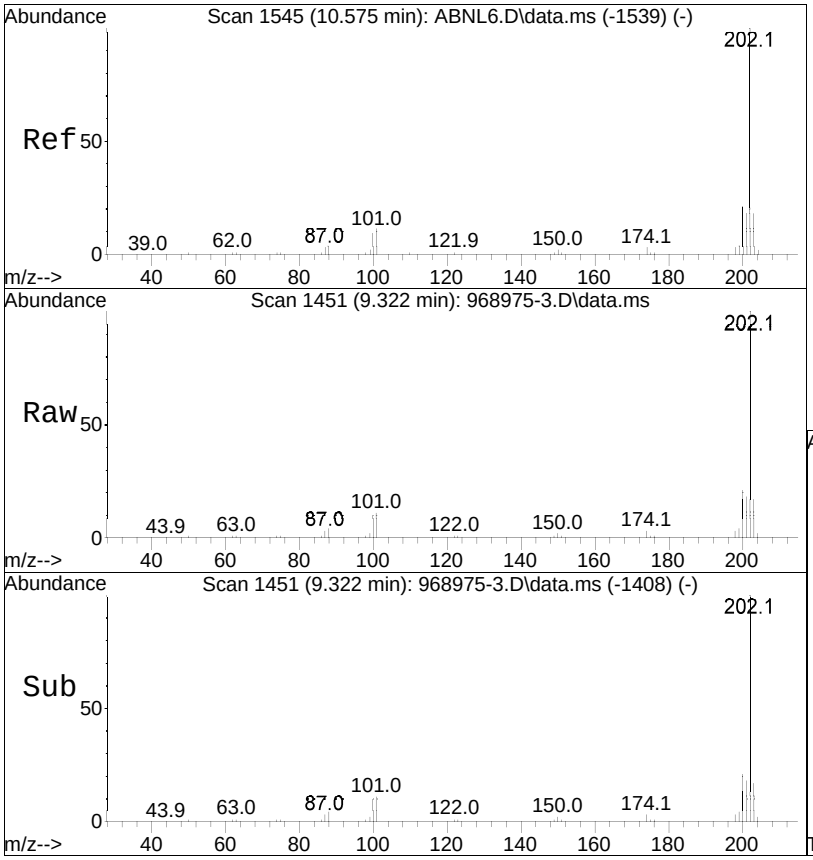


#93
Fluoranthene
Concen: 1.83 ug/ml M3
RT: 9.116 min Scan# 1416
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:202 Resp: 74853

Ion	Ratio	Lower	Upper
202	100		
101	12.9	11.2	16.8
203	18.7	13.7	20.5

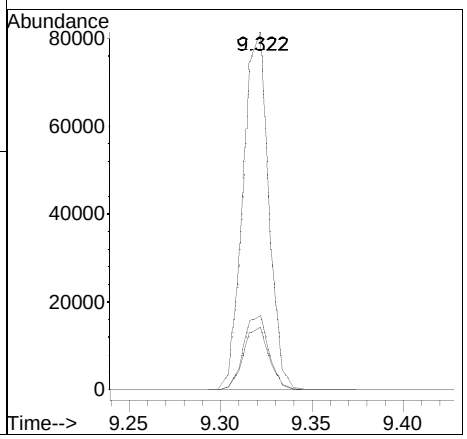


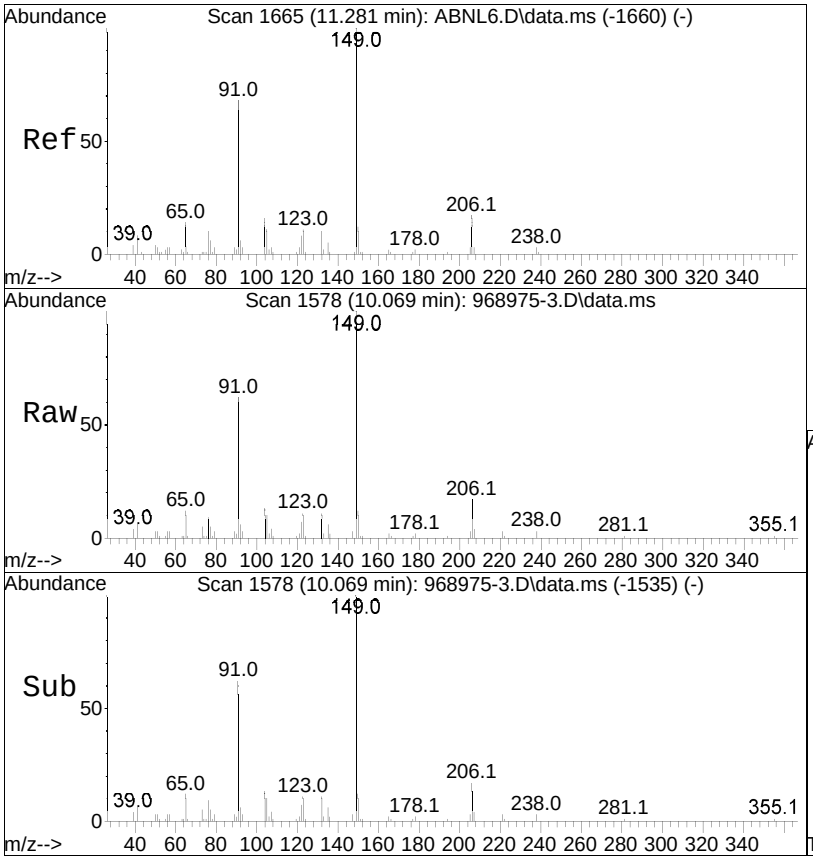


#95
Pyrene
Concen: 1.81 ug/ml
RT: 9.322 min Scan# 1451
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:202 Resp: 78553

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.8	14.3	21.5

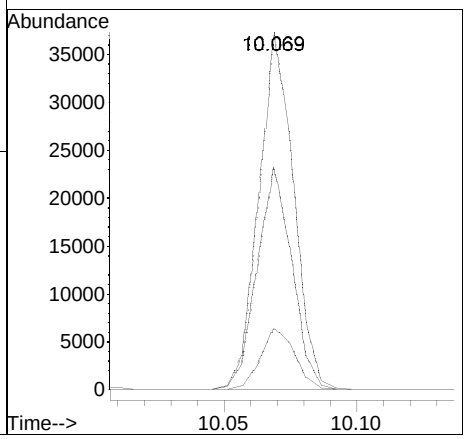


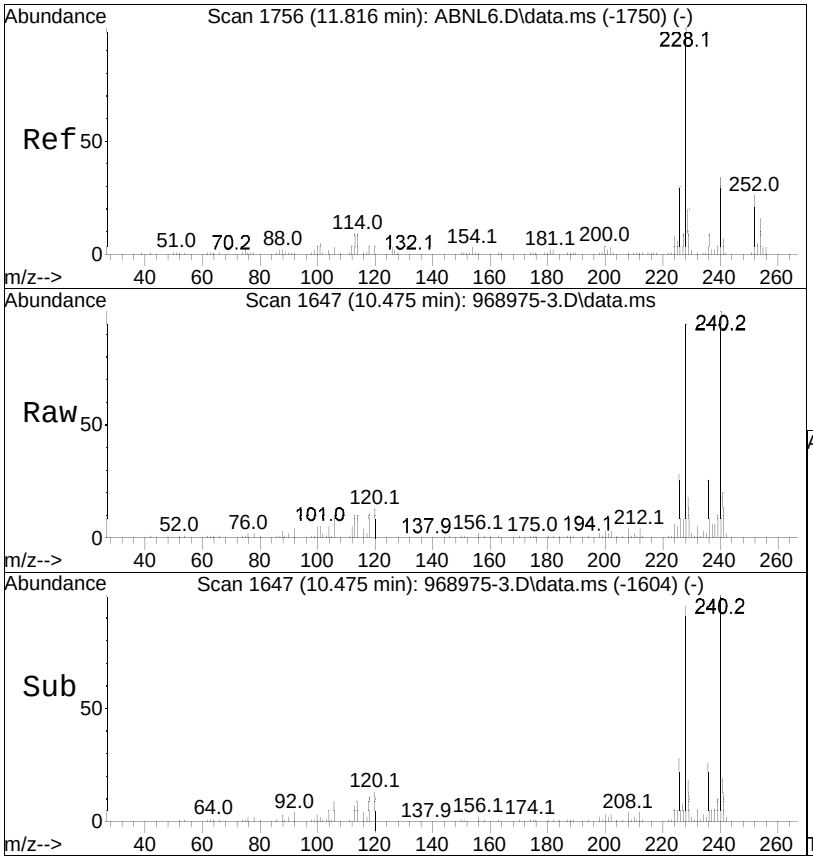


#97
Butyl benzyl phthalate
Concen: 2.20 ug/ml
RT: 10.069 min Scan# 1578
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:149 Resp: 33549

Ion	Ratio	Lower	Upper
149	100		
91	62.4	57.9	86.9
206	16.9	11.9	17.9

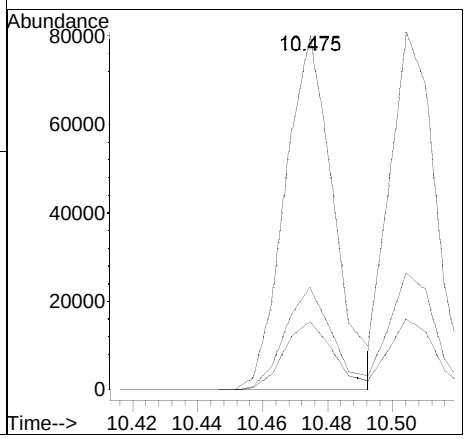


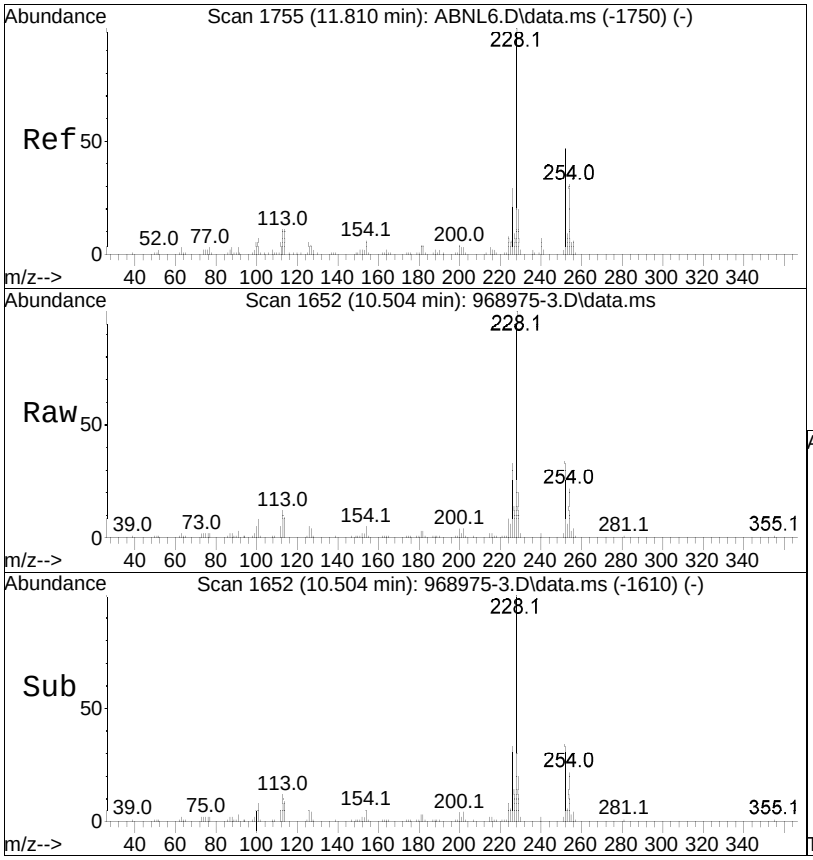


#105
Benzo(a)anthracene
Concen: 1.67 ug/ml
RT: 10.475 min Scan# 1647
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:228 Resp: 83565

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	19.8	15.8	23.6

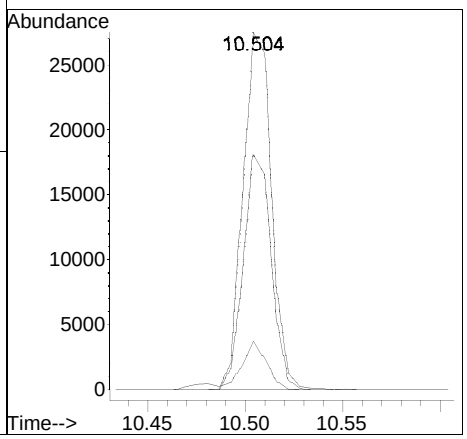


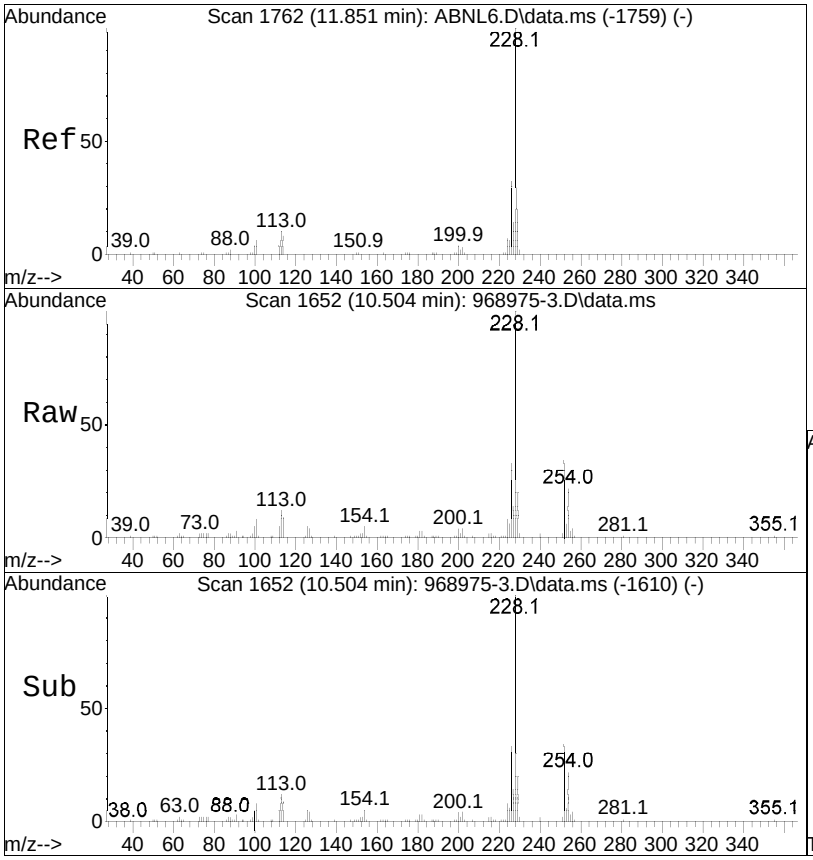


#106
3,3'-Dichlorobenzidine
Concen: 1.53 ug/ml
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:252 Resp: 27881

Ion	Ratio	Lower	Upper
252	100		
126	13.5	12.6	19.0
254	64.2	51.1	76.7

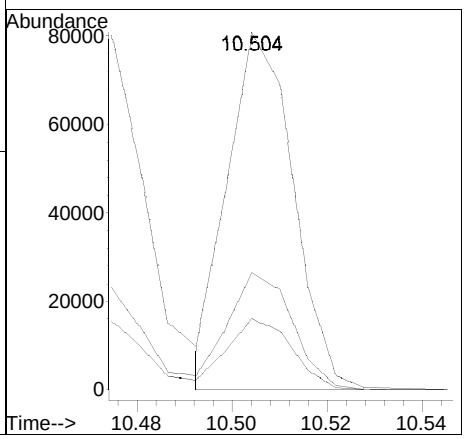


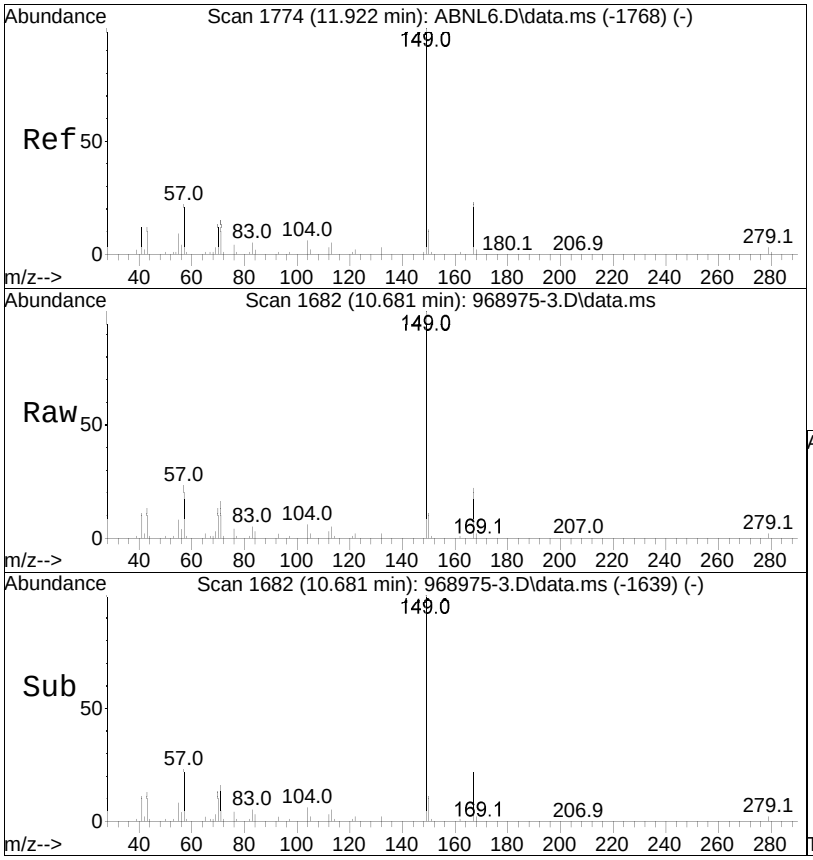


#107
Chrysene
Concen: 1.58 ug/ml M3
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:228 Resp: 77473

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	21.3	15.5	23.3

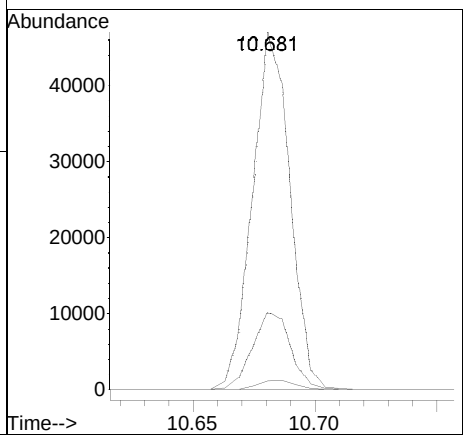


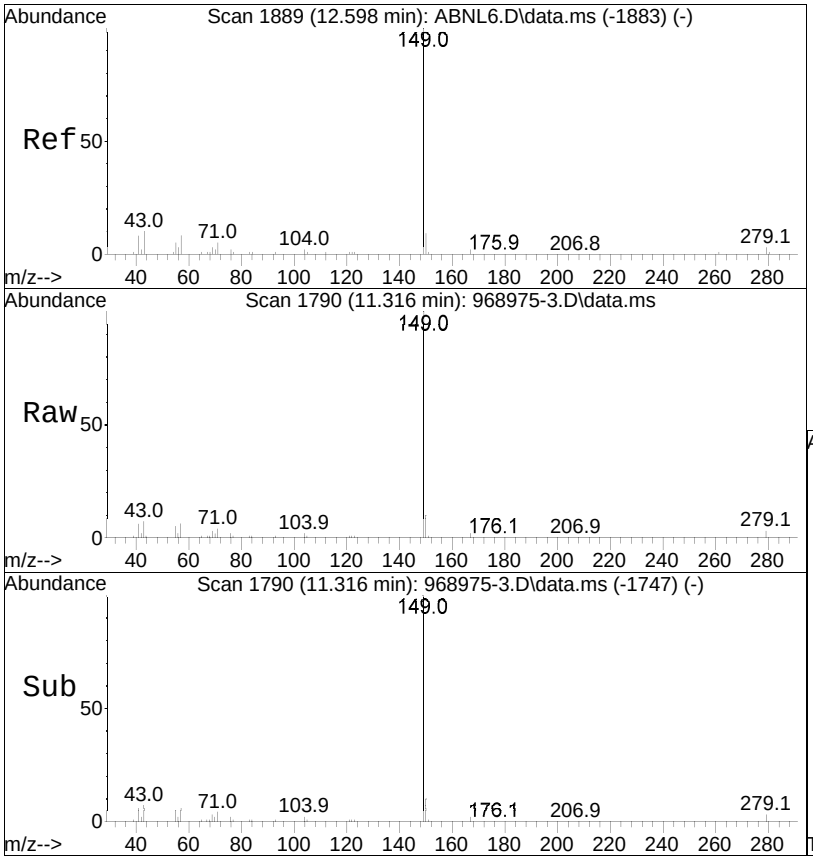


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.99 ug/ml
RT: 10.681 min Scan# 1682
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:149 Resp: 49555

Ion	Ratio	Lower	Upper
149	100		
167	22.1	18.4	27.6
279	2.4	1.7	2.5

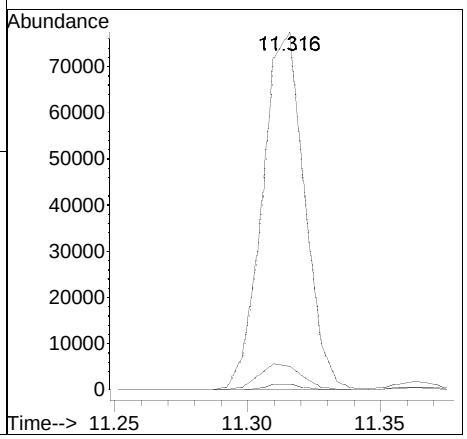


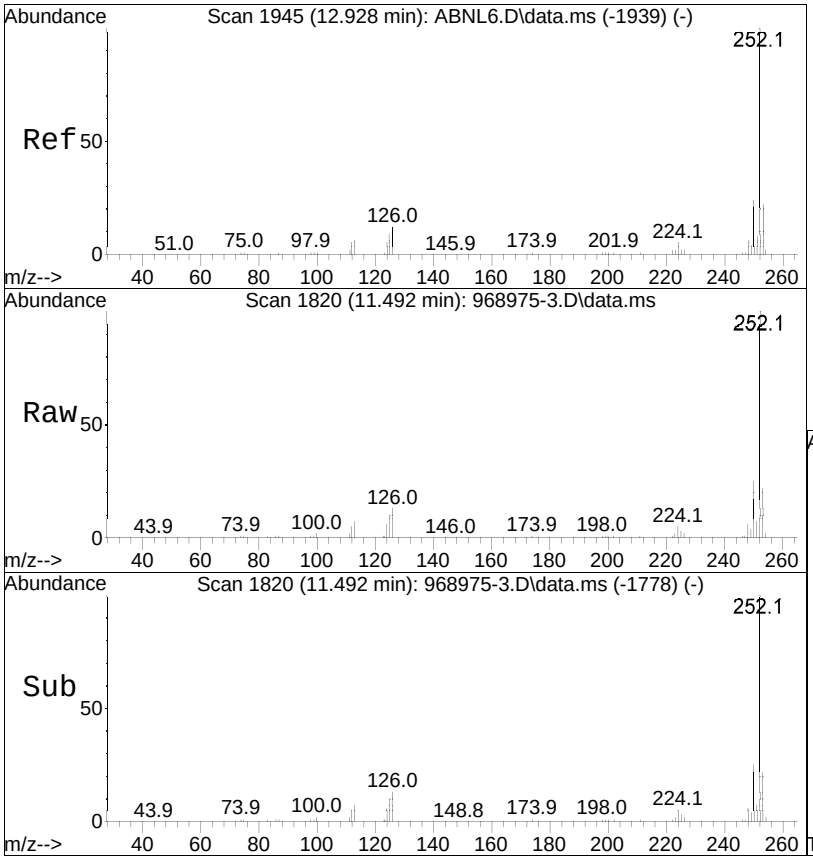


#109
Di-n-octylphthalate
Concen: 2.21 ug/ml
RT: 11.316 min Scan# 1790
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:149 Resp: 84335

Ion	Ratio	Lower	Upper
149	100		
43	7.5	8.2	12.2#
167	1.4	1.1	1.7

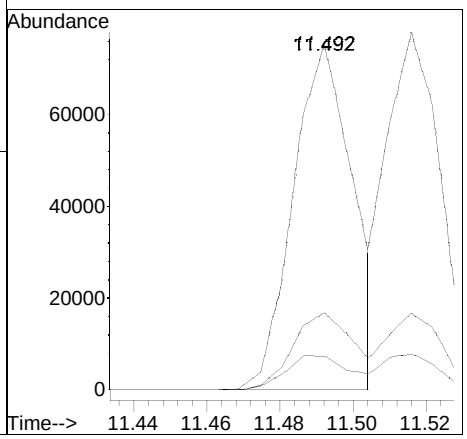


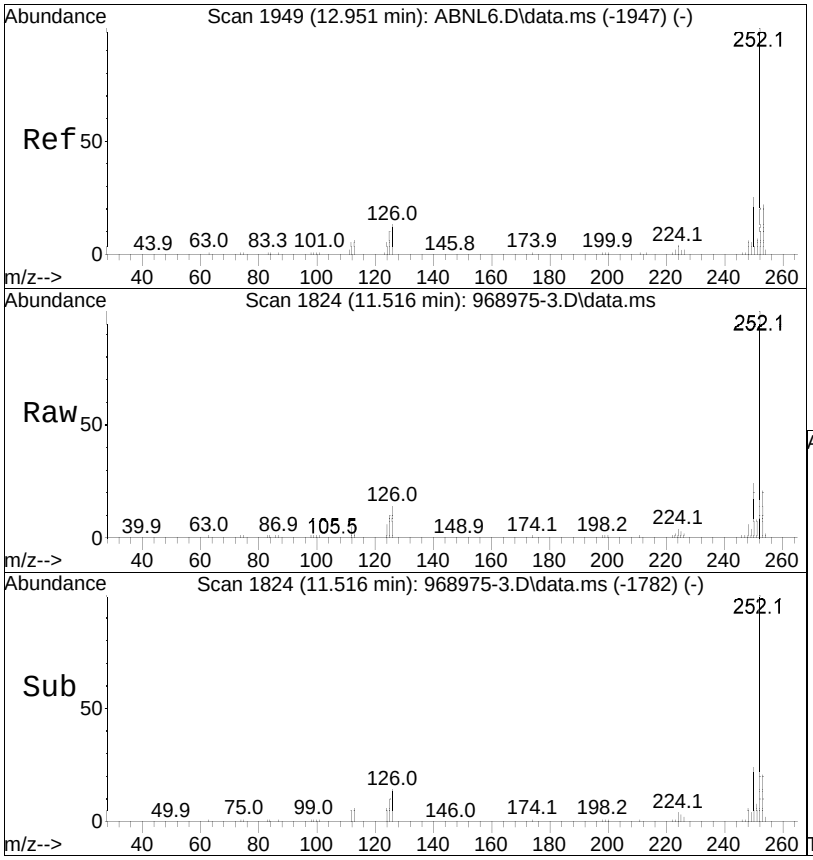


#110
Benzo(b)fluoranthene
Concen: 1.69 ug/ml
RT: 11.492 min Scan# 1820
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:252 Resp: 86813

Ion	Ratio	Lower	Upper
252	100		
125	10.9	11.3	16.9#
253	22.7	17.8	26.8

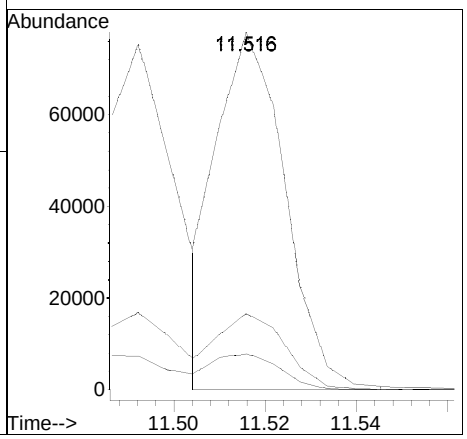


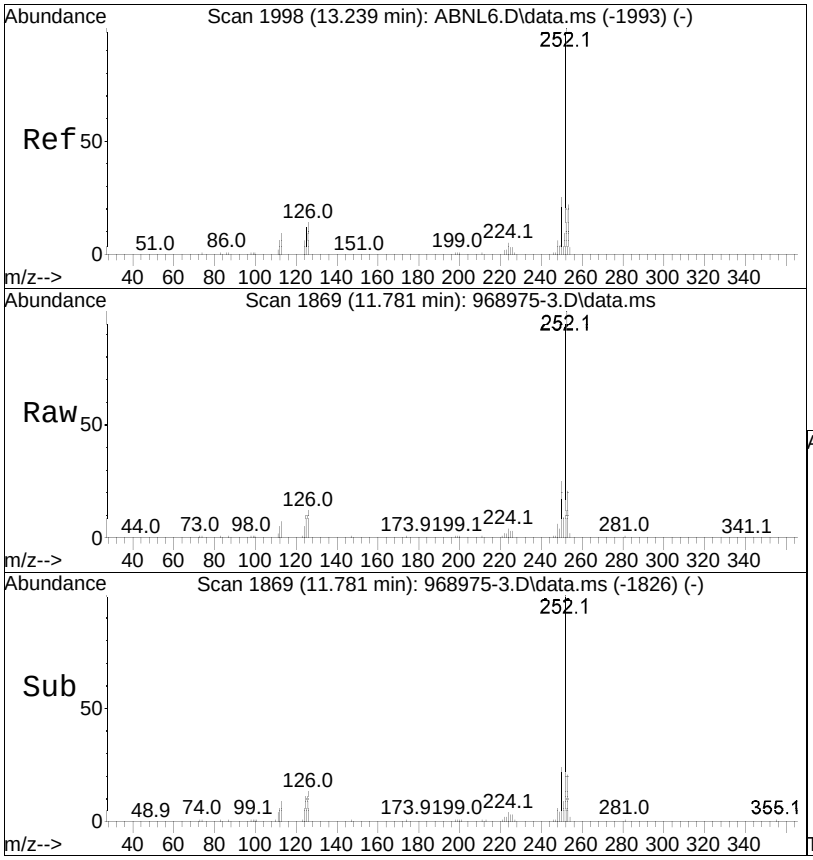


#111
Benzo(k)fluoranthene
Concen: 1.72 ug/ml M3
RT: 11.516 min Scan# 1824
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:252 Resp: 80392

Ion	Ratio	Lower	Upper
252	100		
125	15.2	11.5	17.3
253	21.3	17.6	26.4

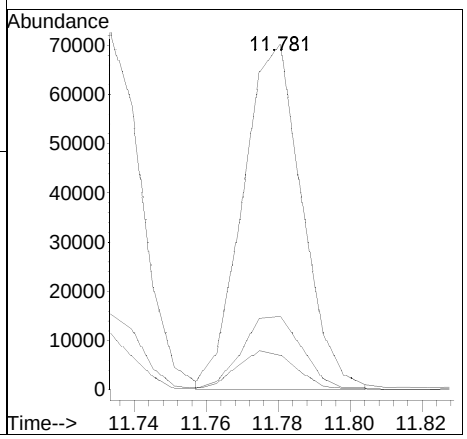


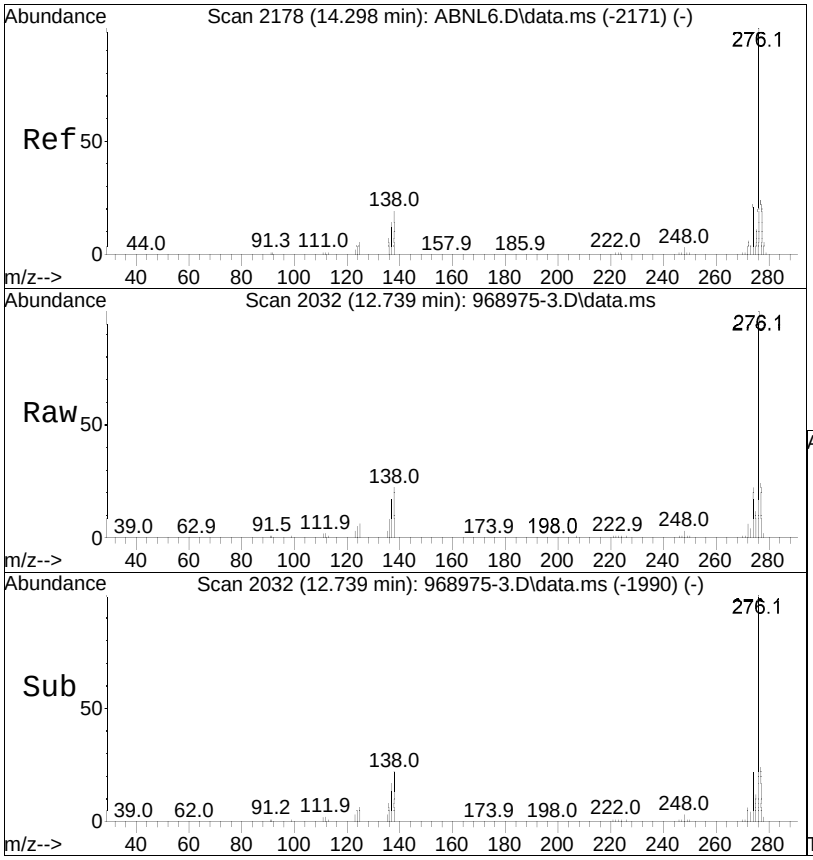


#112
Benzo(a)pyrene
Concen: 1.80 ug/ml M3
RT: 11.781 min Scan# 1869
Delta R.T. 0.000 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:252 Resp: 80692

Ion	Ratio	Lower	Upper
252	100		
125	15.3	12.6	18.8
253	21.4	17.5	26.3

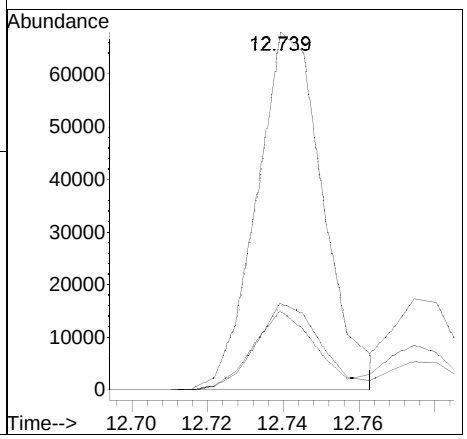


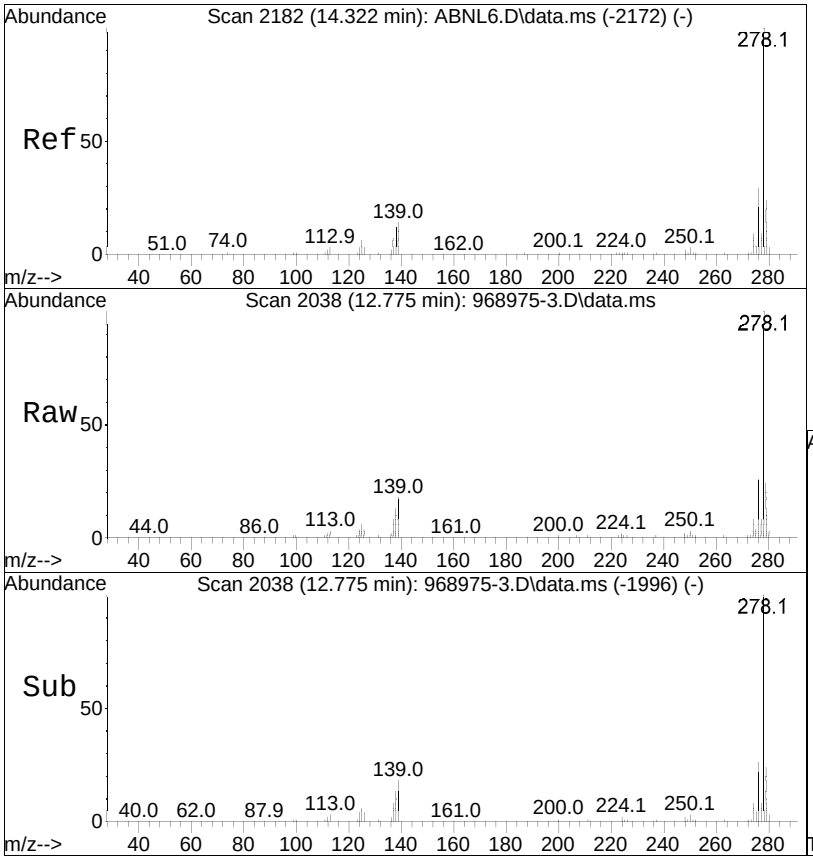


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.64 ug/mL M3
RT: 12.739 min Scan# 2032
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:276 Resp: 82952

Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.1	33.1#
277	22.9	19.0	28.6

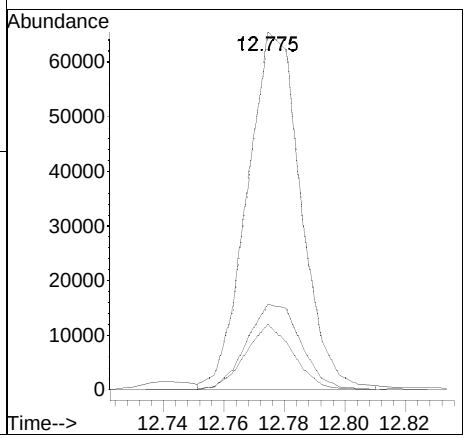


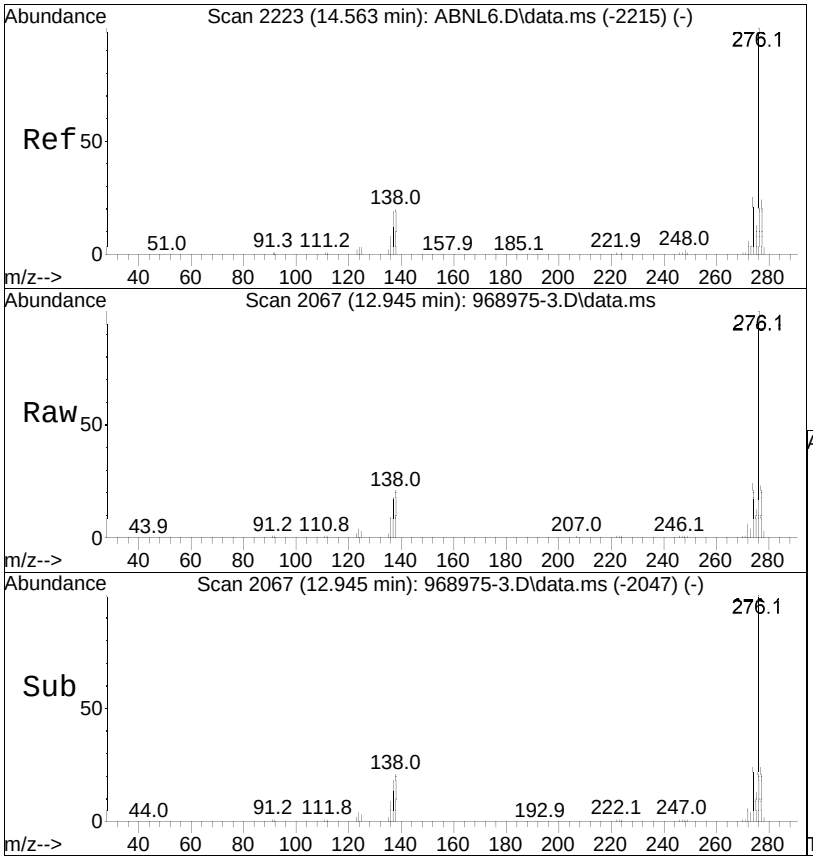


#115
Dibenzo(a,h)anthracene
Concen: 1.66 ug/ml M6
RT: 12.775 min Scan# 2038
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:278 Resp: 80291

Ion	Ratio	Lower	Upper
278	100		
139	16.6	17.8	26.8#
279	24.8	19.2	28.8

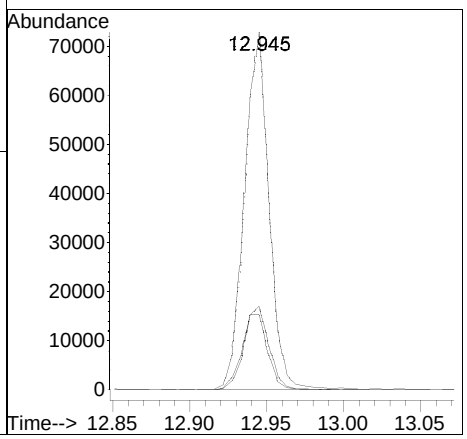




#116
Benzo(ghi)perylene
Concen: 1.65 ug/ml
RT: 12.945 min Scan# 2067
Delta R.T. -0.006 min
Lab File: 968975-3.D
Acq: 09 Sep 2024 04:23 pm

Tgt Ion:276 Resp: 80446

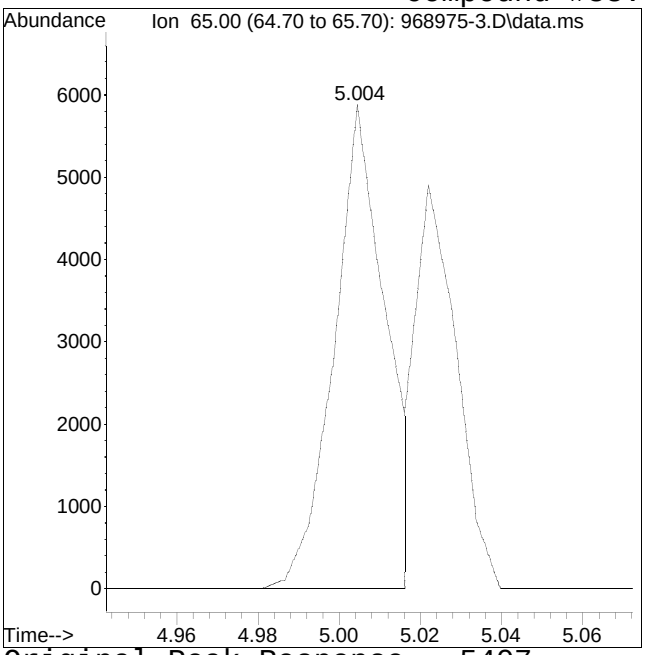
Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.9	32.9
277	23.9	18.4	27.6

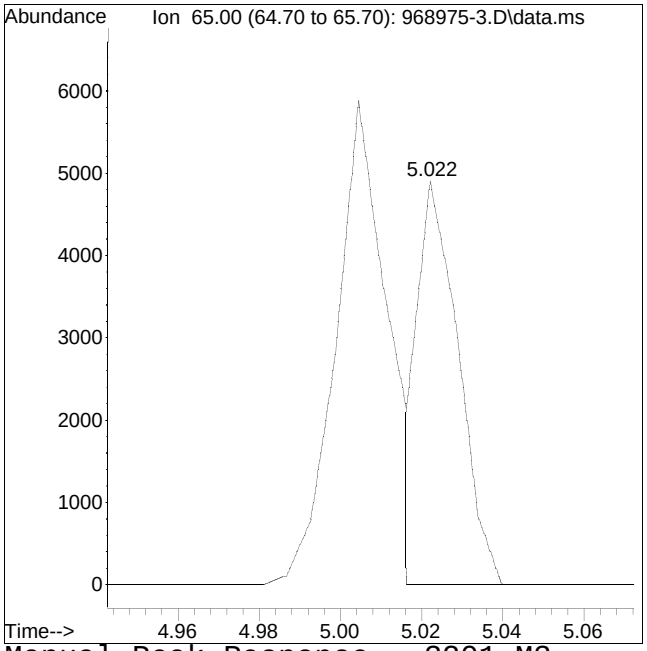


Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #38: 4-Chloroaniline





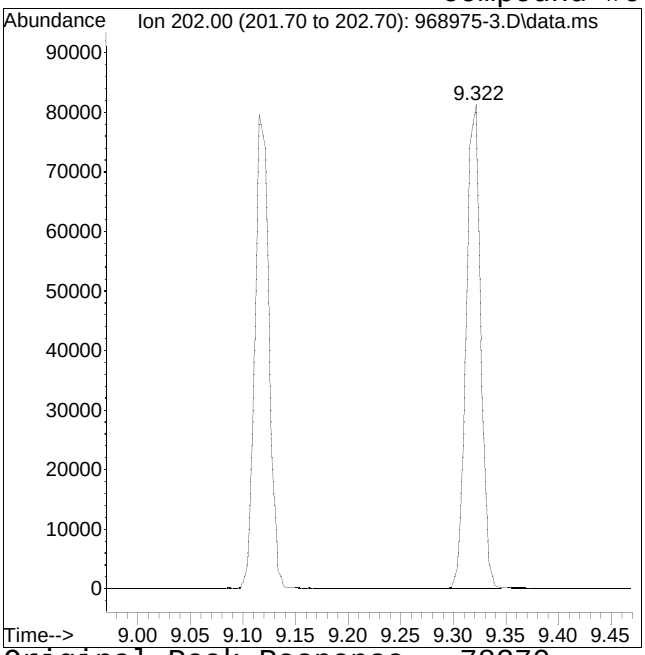
Original Peak Response = 5407 Manual Peak Response = 3201 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

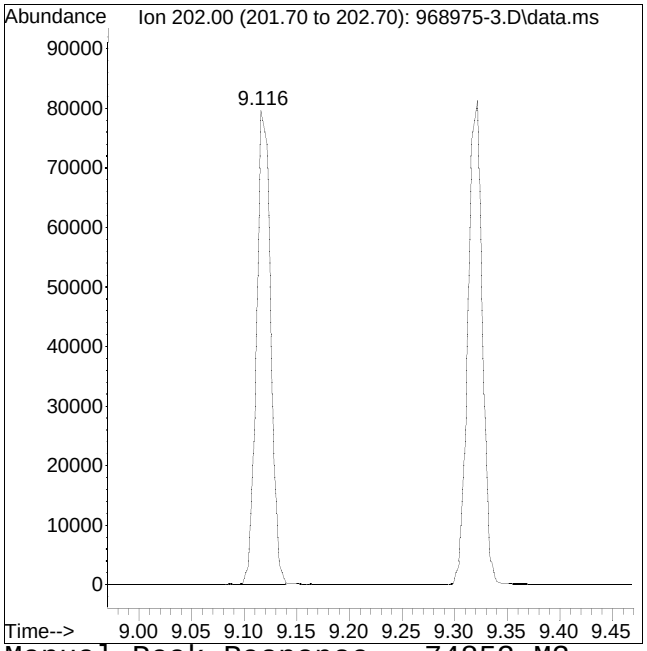
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #93: Fluoranthene



Original Peak Response = 78370



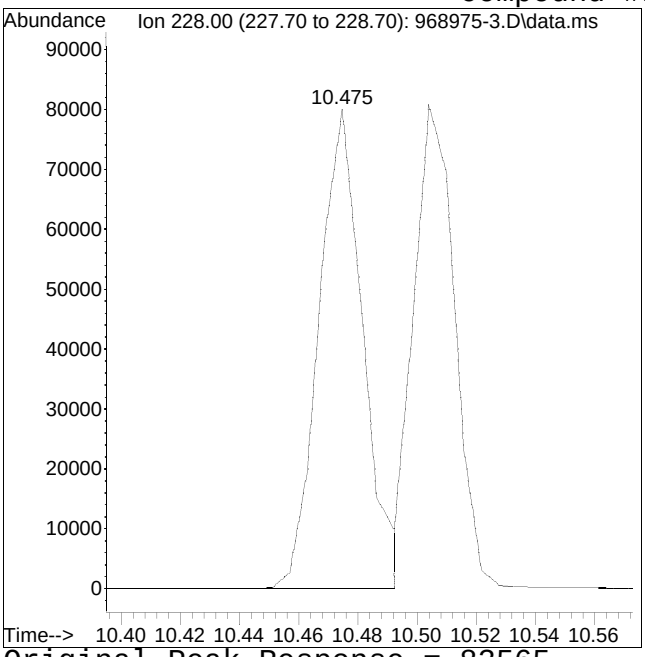
Manual Peak Response = 74853 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

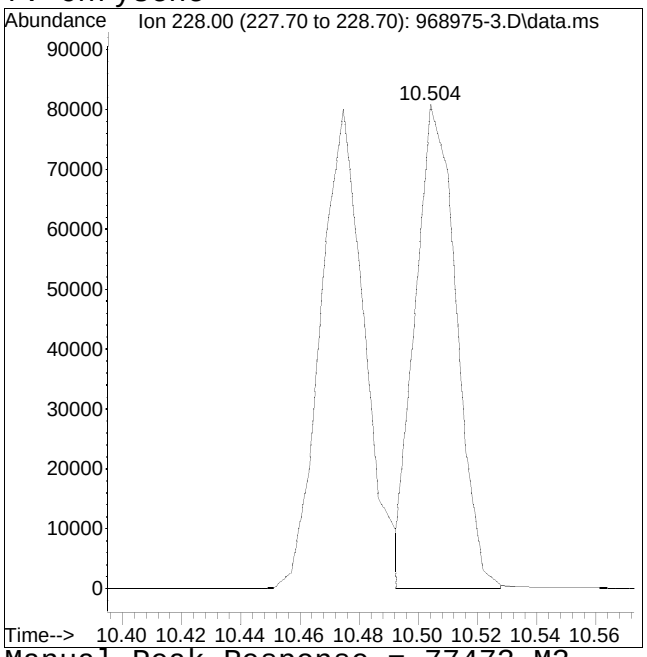
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #107: Chrysene



Original Peak Response = 83565



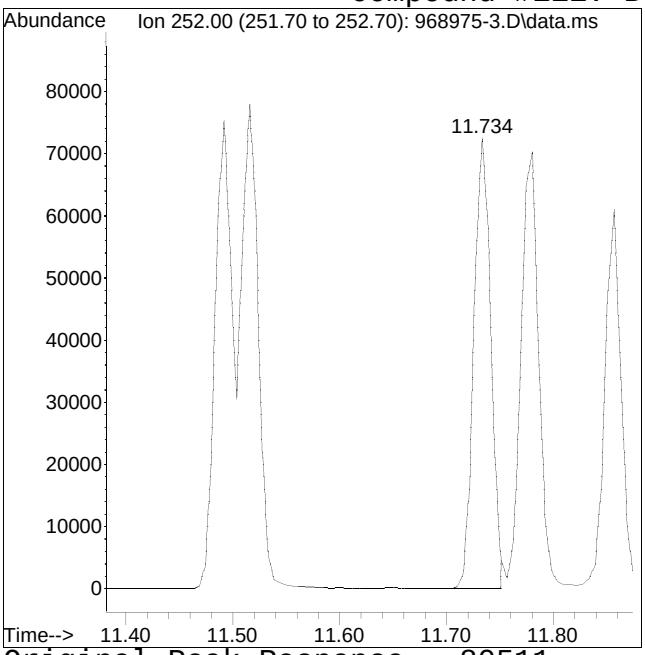
Manual Peak Response = 77473 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

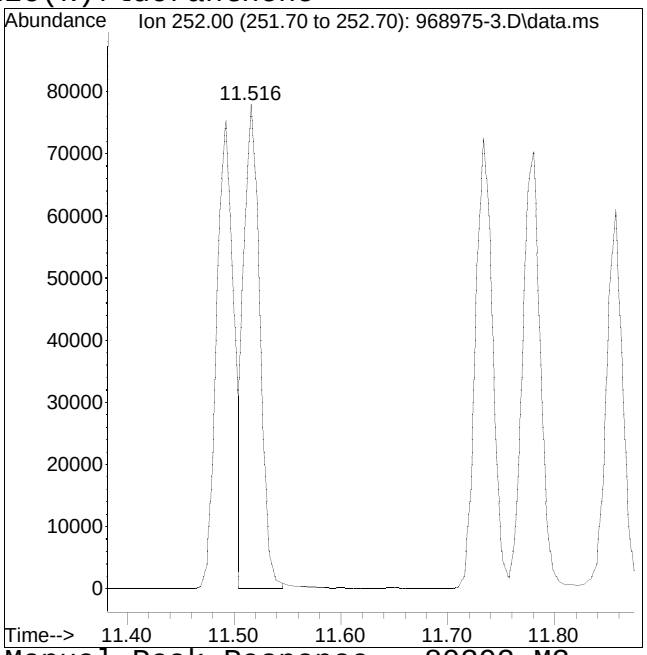
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 80511



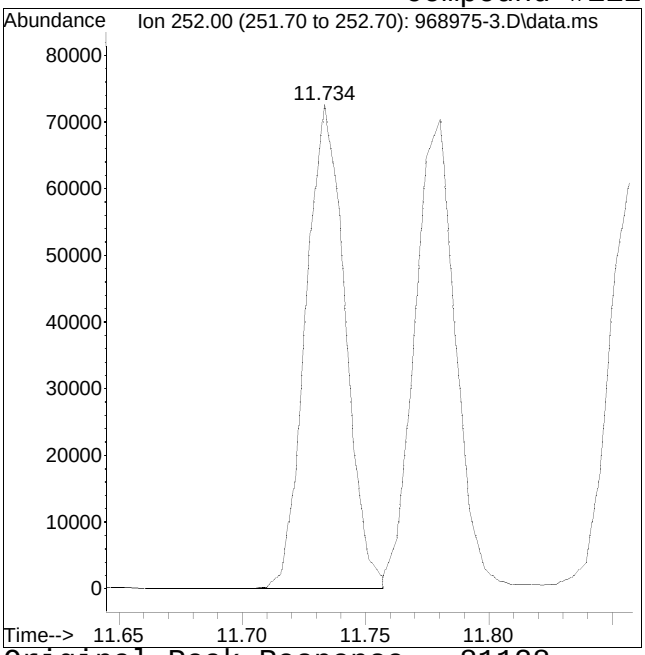
Manual Peak Response = 80392 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

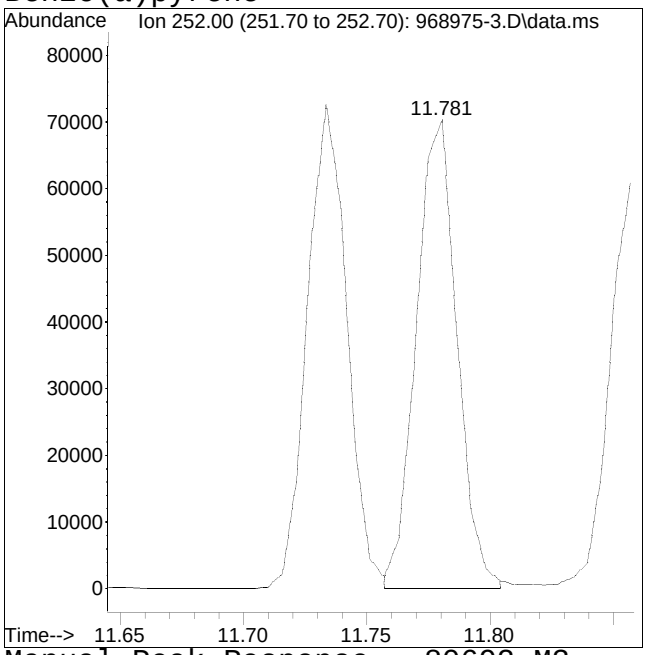
Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #112: Benzo(a)pyrene



Original Peak Response = 81128



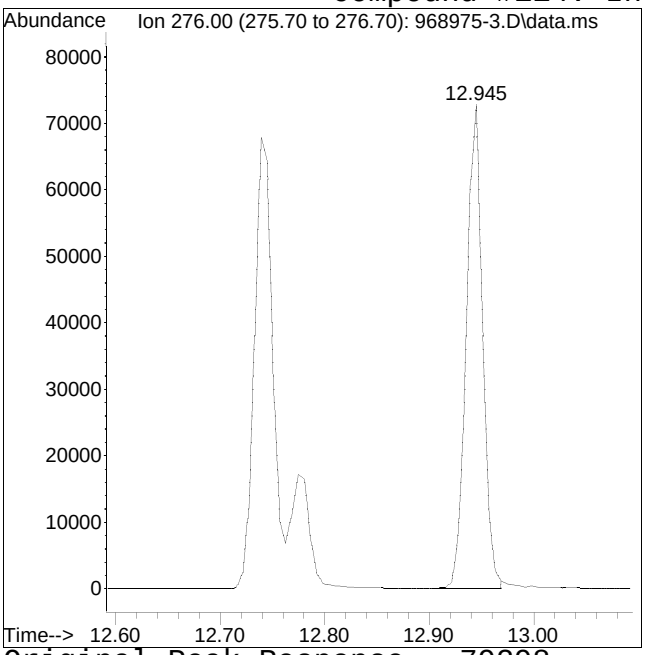
Manual Peak Response = 80692 M3

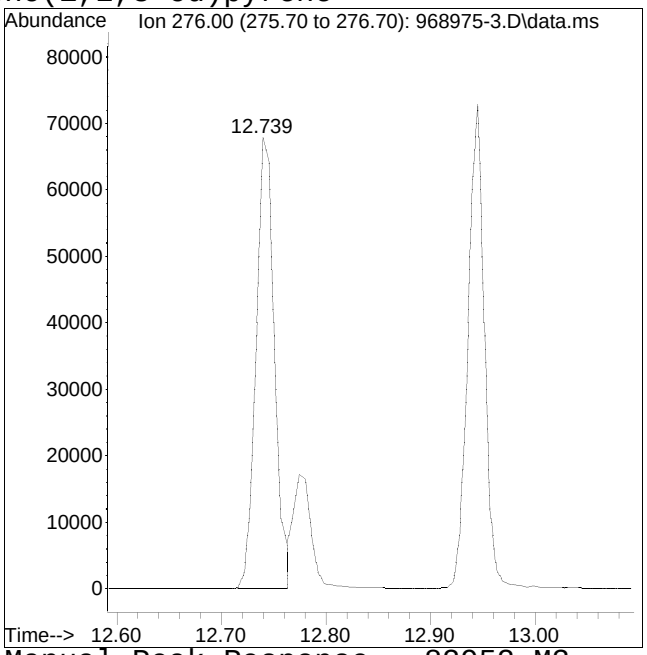
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240909RVT\ QMethod : FS240625SV112RVT.m
Data File : 968975-3.D Operator : SV112:smz
Date Inj'd : 9/9/2024 4:23 pm Instrument : SV112
Sample : WG1968975-3,32,,HNY Quant Date : 9/9/2024 4:42 pm

Compound #114: Indeno(1,2,3-cd)pyrene





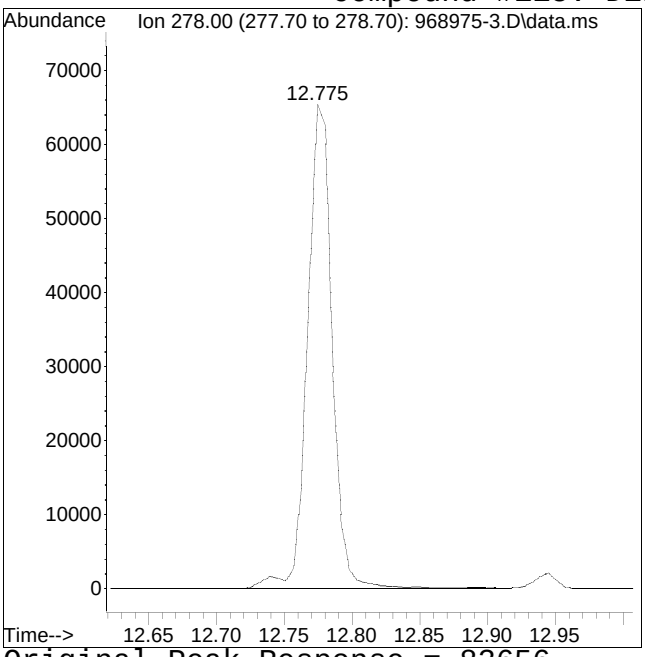
Original Peak Response = 79298 Manual Peak Response = 82952 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

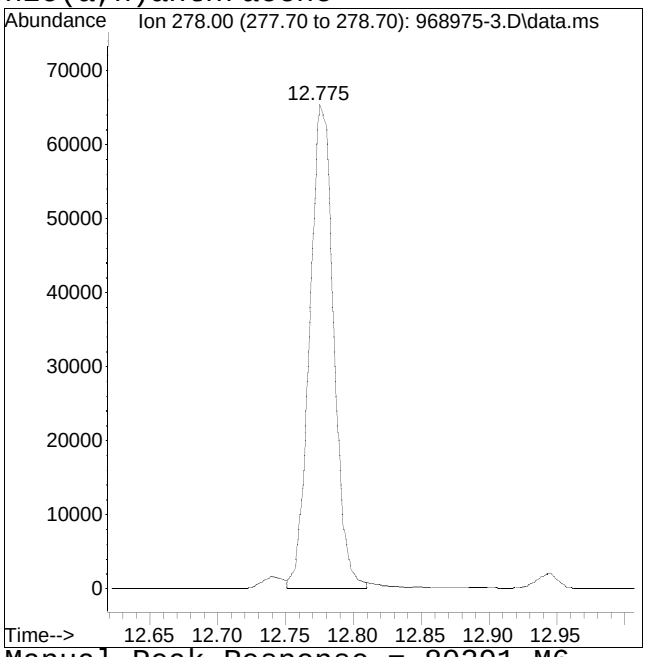
Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-3.D
Date Inj'd : 9/9/2024 4:23 pm
Sample : WG1968975-3,32,,HNY

QMethod : FS240625SV112RVT.m
Operator : SV112:smz
Instrument : SV112
Quant Date : 9/9/2024 4:42 pm

Compound #115: Dibenzo(a,h)anthracene



Original Peak Response = 83656



Manual Peak Response = 80291 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-3.D
Acq On : 10 Sep 2024 3:38 am
Operator : SV106:smz
Sample : WG1968879-3,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:07:25 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	5.913	152	26363	4.000	ug/ml	# 0.00
Standard Area 1 = 29408			Recovery = 89.65%			
27) IS2_1,4-Dichlorobenzen...	5.913	152	26363	4.000	ug/ml	# 0.00
Standard Area 3 = 35778			Recovery = 73.68%			
32) IS3_1,4-Dichlorobenzen...	5.913	152	26363	4.000	ug/ml	# 0.00
Standard Area 2 = 36164			Recovery = 72.90%			
35) IS1_Naphthalene-d8	7.395	136	96865	4.000	ug/ml	# 0.00
Standard Area 1 = 103126			Recovery = 93.93%			
55) IS2_Naphthalene-d8	7.395	136	96865	4.000	ug/ml	# 0.00
Standard Area 3 = 126202			Recovery = 76.75%			
63) IS1_Acenaphthene-d10	9.166	164	63651	4.000	ug/ml	0.00
Standard Area 1 = 67620			Recovery = 94.13%			
83) IS2_Acenaphthene-d10	9.166	164	63651	4.000	ug/ml	0.00
Standard Area 3 = 83428			Recovery = 76.29%			
86) IS3_Acenaphthene-d10	9.166	164	63651	4.000	ug/ml	0.00
Standard Area 2 = 81551			Recovery = 78.05%			
88) IS1_Phenanthrene-d10	10.589	188	127799	4.000	ug/ml	0.00
Standard Area 1 = 136945			Recovery = 93.32%			
100) IS3_Phenanthrene-d10	10.589	188	127799	4.000	ug/ml	0.00
Standard Area 2 = 173380			Recovery = 73.71%			
104) IS1_Chrysene-d12	13.171	240	135769	4.000	ug/ml	# 0.00
Standard Area 1 = 143932			Recovery = 94.33%			
113) IS1_Perylene-d12	14.595	264	152234	4.000	ug/ml	0.00
Standard Area 1 = 167404			Recovery = 90.94%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.484	112	9572	1.256	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.80%			
7) Phenol-d6	5.548	99	9949	0.954	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.70%			
19) Nitrobenzene-d5	6.613	82	8465	0.793	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.30%			
46) 2-Fluorobiphenyl	8.536	172	18160	0.730	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.00%			
79) 2,4,6-Tribromophenol	9.930	330	6659	1.679	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 83.95%			

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-3.D
Acq On : 10 Sep 2024 3:38 am
Operator : SV106:smz
Sample : WG1968879-3,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:07:25 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.171	244	25925	0.754	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.40%			
Target Compounds						Qvalue
6) 2-Chlorophenol	5.625	128	13389	1.577	ug/ml	99
8) Phenol	5.566	94	10321	0.954	ug/ml#	85
9) Bis(2-chloroethyl)ether	5.631	93	14713	1.656	ug/ml#	84
10) 1,3-Dichlorobenzene	5.825	146	15088	1.480	ug/ml	96
11) 1,4-Dichlorobenzene	5.931	146	15386	1.492	ug/ml	98
12) 1,2-Dichlorobenzene	6.125	146	15123	1.507	ug/ml	97
13) Benzyl alcohol	6.154	79	14104	1.688	ug/ml#	87
14) Bis(2-chloroisopropyl)...	6.348	45	18741	1.313	ug/ml#	40
15) 2-Methylphenol	6.354	108	12048	1.546	ug/ml#	92
16) Hexachloroethane	6.531	117	5696	1.388	ug/ml#	40
17) n-Nitrosodi-n-propylamine	6.501	70	12294	1.765	ug/ml#	92
18) 3-Methylphenol/4-Methy...	6.554	108	13256	1.573	ug/ml#	53
20) Nitrobenzene	6.636	77	16824	1.553	ug/ml	92
21) Isophorone	6.931	82	31228	1.717	ug/ml#	91
22) 2-Nitrophenol	7.007	139	6867	1.506	ug/ml#	77
23) 2,4-Dimethylphenol	7.136	107	10452	1.219	ug/ml	87
24) Bis(2-chloroethoxy)met...	7.225	93	18867	1.610	ug/ml#	94
25) 2,4-Dichlorophenol	7.283	162	13512	1.663	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.360	180	15571	1.565	ug/ml	98
29) Acetophenone	6.454	105	24347	1.712	ug/ml#	84
36) Naphthalene	7.419	128	39302	1.415	ug/ml	97
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	7.519	65	6250	1.527	ug/ml#	1
39) Hexachlorobutadiene	7.601	225	10808	1.475	ug/ml	97
40) p-Chloro-m-cresol	8.066	107	14701	1.772	ug/ml#	88
41) 2-Methylnaphthalene	8.148	142	27951	1.510	ug/ml#	94
43) Hexachlorocyclopentadiene	8.330	237	7088	0.872	ug/ml	98
44) 2,4,6-Trichlorophenol	8.454	196	10991	1.510	ug/ml	89
45) 2,4,5-Trichlorophenol	8.483	196	12802	1.643	ug/ml	94
47) 2-Chloronaphthalene	8.619	162	29491	1.499	ug/ml	96
48) 2-Nitroaniline	8.742	138	9208	1.553	ug/ml	97
51) Dimethyl phthalate	8.960	163	38064	1.589	ug/ml	99
52) Acenaphthylene	9.019	152	43065	1.430	ug/ml	99

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-3.D
Acq On : 10 Sep 2024 3:38 am
Operator : SV106:smz
Sample : WG1968879-3,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:07:25 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
53) 2,6-Dinitrotoluene	8.995	165	8169	1.584 ug/ml	94
61) 1,2,4,5-Tetrachloroben...	8.319	216	18589	1.400 ug/ml	98
62) Biphenyl	8.625	154	35137	1.338 ug/ml	98
64) 3-Nitroaniline	9.148	138	8127	1.599 ug/ml#	89
65) Acenaphthene	9.195	154	29048	1.584 ug/ml	97
66) 2,4-Dinitrophenol	9.248	184	3204	0.944 ug/ml	96
67) Dibenzofuran	9.366	168	46062	1.495 ug/ml#	85
68) 2,4-Dinitrotoluene	9.383	165	10987	1.454 ug/ml#	83
69) 4-Nitrophenol	9.354	65	6355	1.235 ug/ml#	1
72) Diethyl phthalate	9.654	149	37476	1.540 ug/ml	98
73) Fluorene	9.695	166	35071	1.448 ug/ml	98
74) 4-Chlorophenyl phenyl ...	9.724	204	21650	1.698 ug/ml#	85
75) 4-Nitroaniline	9.730	138	7190	1.359 ug/ml#	75
76) 4,6-Dinitro-o-cresol	9.771	198	6353	1.500 ug/ml#	73
77) NDPA/DPA	9.842	169	30403	1.513 ug/ml	97
80) 4-Bromophenyl phenyl e...	10.189	248	13084	1.645 ug/ml#	81
81) Hexachlorobenzene	10.230	284	14718	1.626 ug/ml#	77
82) Pentachlorophenol	10.430	266	7244	1.260 ug/ml	94
89) Phenanthrene	10.613	178	57201	1.603 ug/ml	99
90) Anthracene	10.660	178	56242	1.585 ug/ml	99
91) Carbazole	10.836	167	49322	1.517 ug/ml	100
92) Di-n-butylphthalate	11.248	149	60361	1.581 ug/ml	100
93) Fluoranthene	11.754	202	67894	1.556 ug/ml#	90
95) Pyrene	11.960	202	71559	1.556 ug/ml	99
97) Butyl benzyl phthalate	12.689	149	27179	1.546 ug/ml	98
105) Benzo(a)anthracene	13.160	228	72472	1.445 ug/ml	99
106) 3,3'-Dichlorobenzidine	13.177	252	23302	1.404 ug/ml#	91
107) Chrysene	13.195	228	70357	1.451 ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.324	149	41772	1.506 ug/ml#	90
109) Di-n-octylphthalate	13.983	149	68403	1.490 ug/ml#	75
110) Benzo(b)fluoranthene	14.236	252	75218	1.549 ug/ml#	91
111) Benzo(k)fluoranthene	14.259	252	73760	1.602 ug/ml#	91
112) Benzo(a)pyrene	14.542	252	68324	1.621 ug/ml#	90
114) Indeno(1,2,3-cd)pyrene	15.536	276	73792M6	1.792 ug/mL	
115) Dibenzo(a,h)anthracene	15.565	278	74189	1.871 ug/ml#	85
116) Benzo(ghi)perylene	15.748	276	72942	1.988 ug/ml#	78

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-3.D
Acq On : 10 Sep 2024 3:38 am
Operator : SV106:smz
Sample : WG1968879-3,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:07:25 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240909NRVT\ABN0909n.D
: 2 - I:\8270\SV106\240909NRVT\ADP0909n.D
: 3 - I:\8270\SV106\240909NRVT\AP90909n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

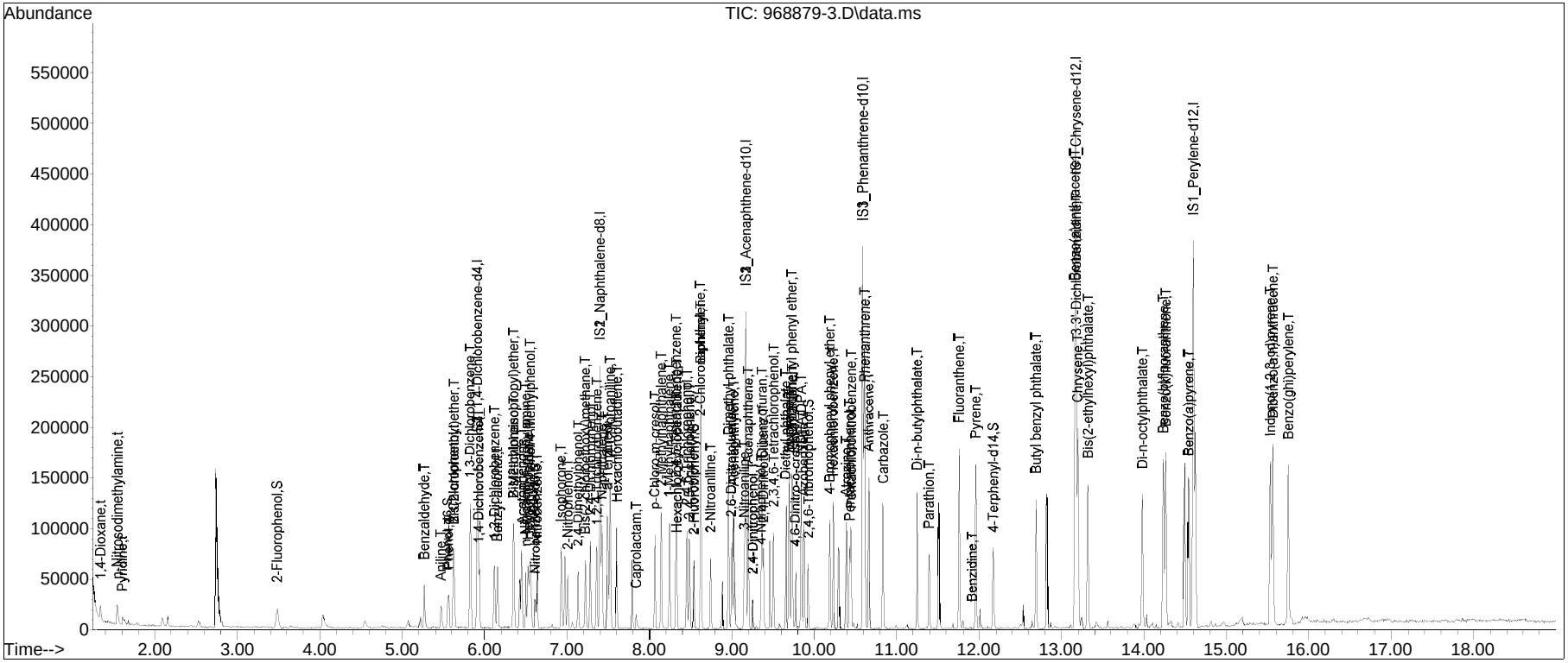
(#) = qualifier out of range (m) = manual integration (+) = signals summed

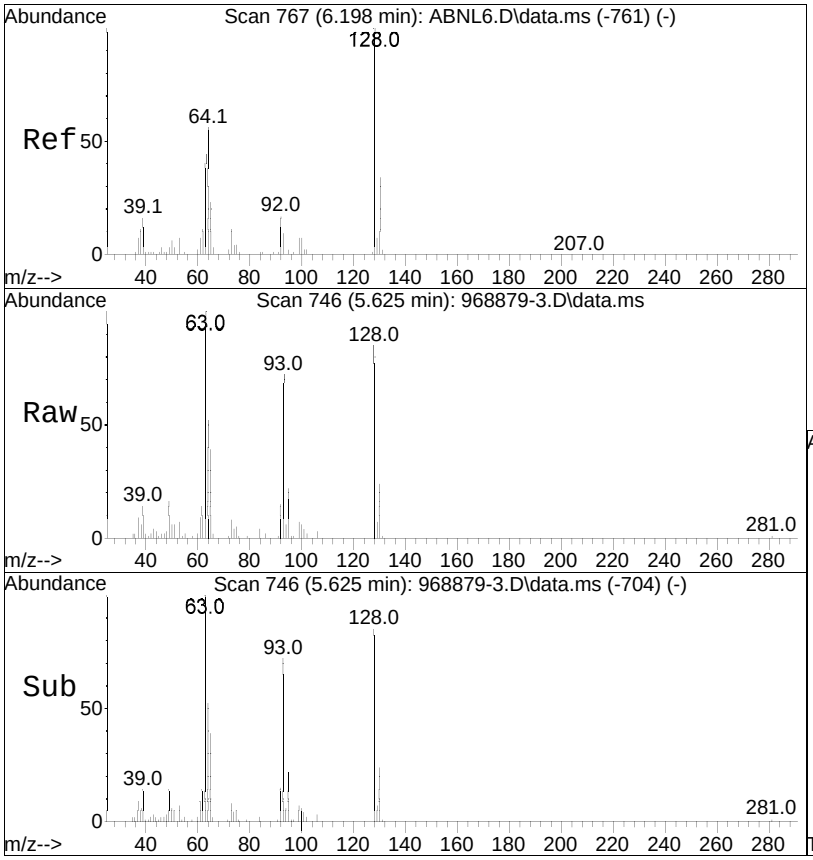
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240909NRVT\
Data File : 968879-3.D
Acq On : 10 Sep 2024 3:38 am
Operator : SV106:smz
Sample : WG1968879-3,32,,ASK
Misc : WG1968644,WG1968879,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 10 13:07:25 2024
Quant Method : I:\8270\SV106\240909NRVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 00:32:59 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90909n.D•

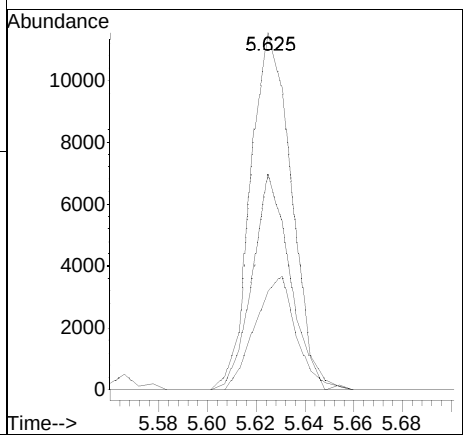


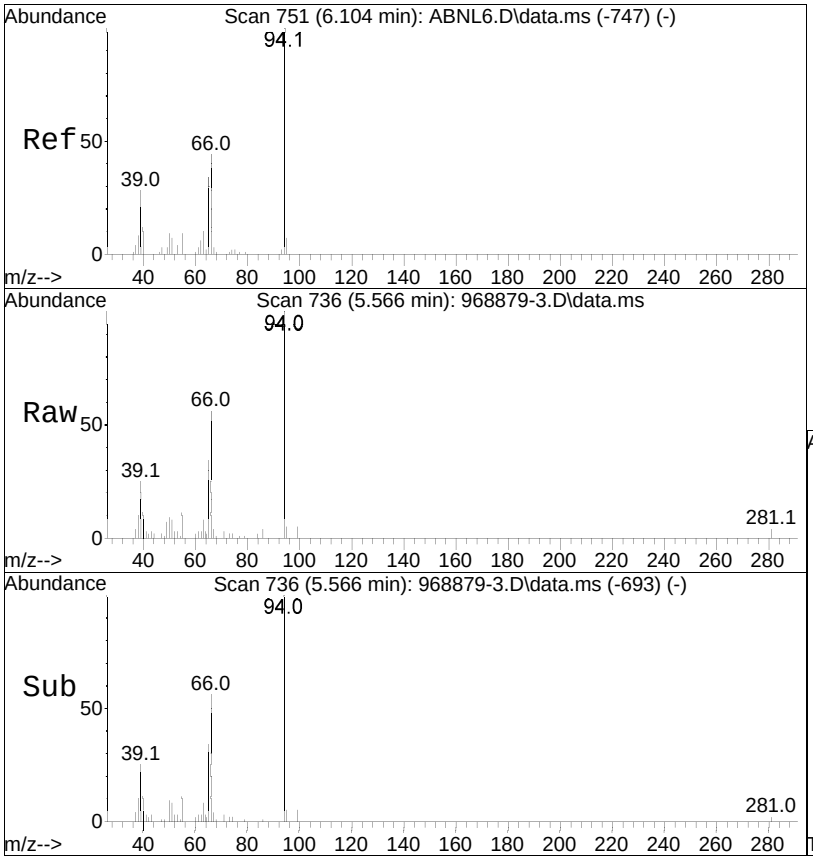


#6
2-Chlorophenol
Concen: 1.58 ug/ml
RT: 5.625 min Scan# 746
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:128 Resp: 13389

Ion	Ratio	Lower	Upper
128	100		
64	55.7	45.1	67.7
130	32.0	26.2	39.4

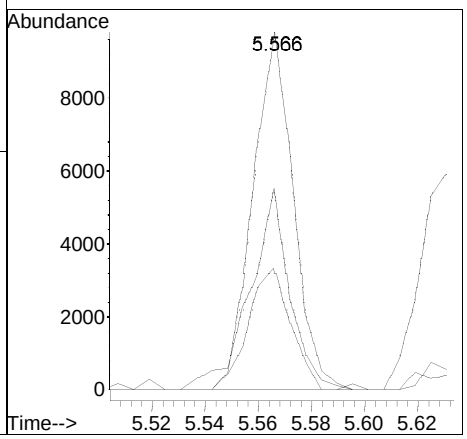


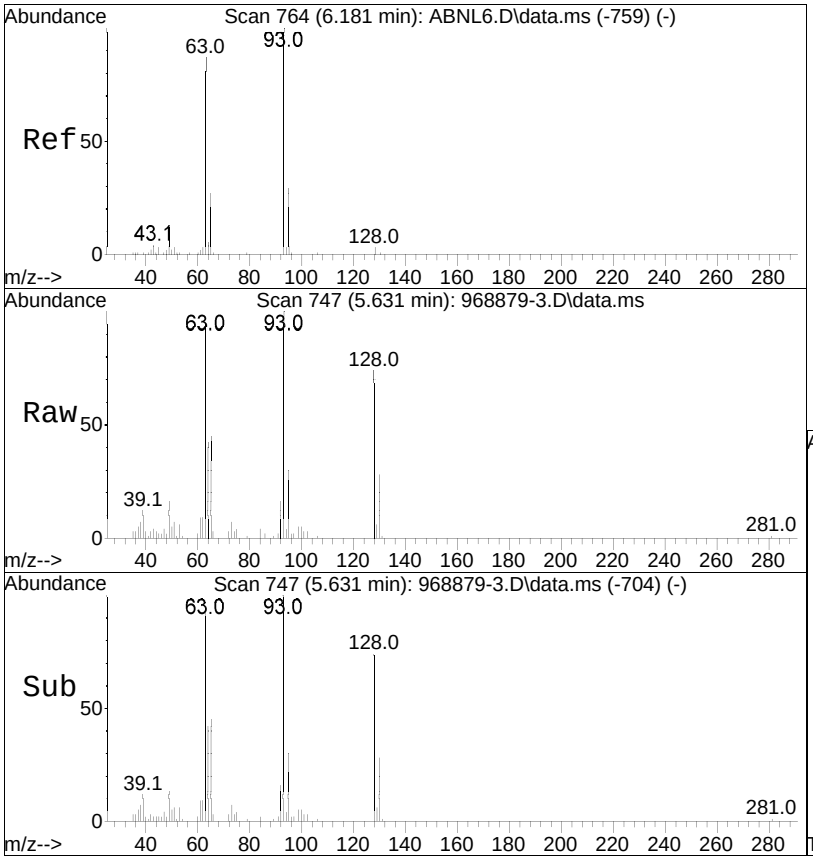


#8
Phenol
Concen: 0.95 ug/ml
RT: 5.566 min Scan# 736
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 94 Resp: 10321

Ion	Ratio	Lower	Upper
94	100		
65	35.8	26.0	39.0
66	55.8	33.8	50.8#

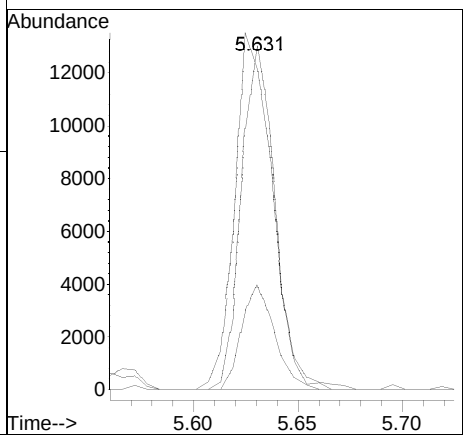


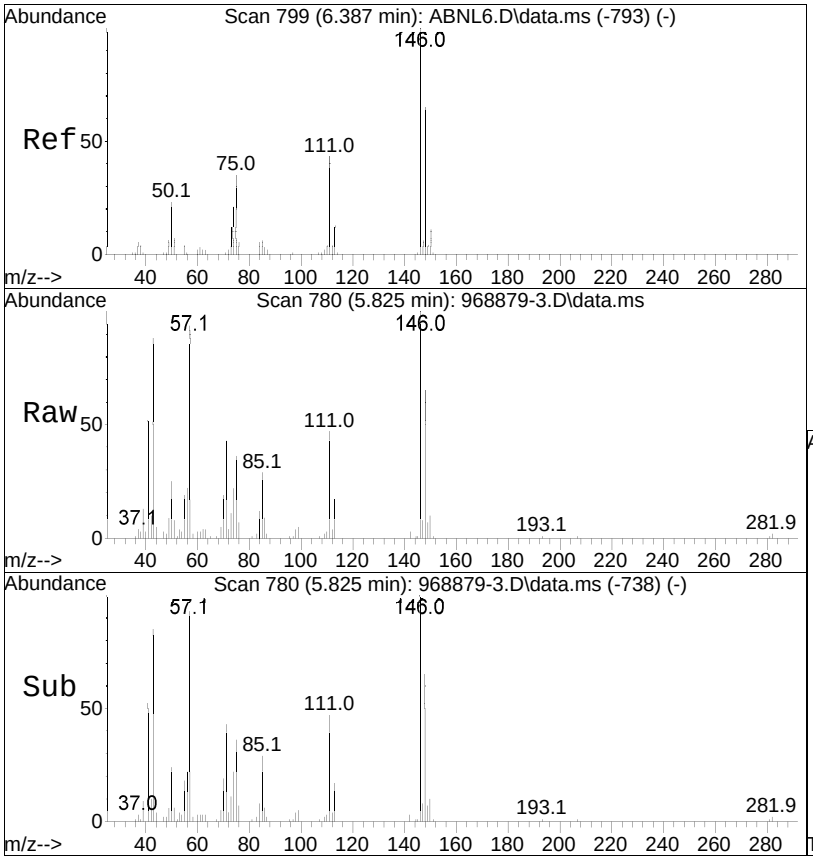


#9
Bis(2-chloroethyl)ether
Concen: 1.66 ug/ml
RT: 5.631 min Scan# 747
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 93 Resp: 14713

Ion	Ratio	Lower	Upper
93	100		
63	112.8	74.6	111.8#
95	29.7	25.9	38.9

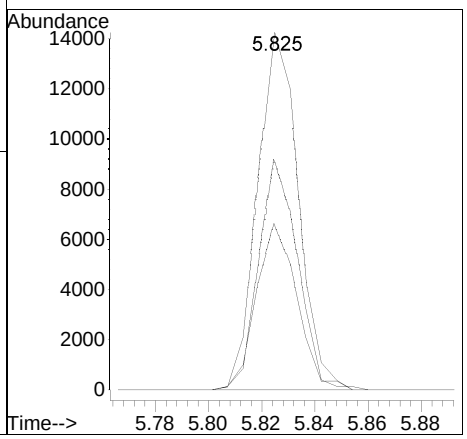


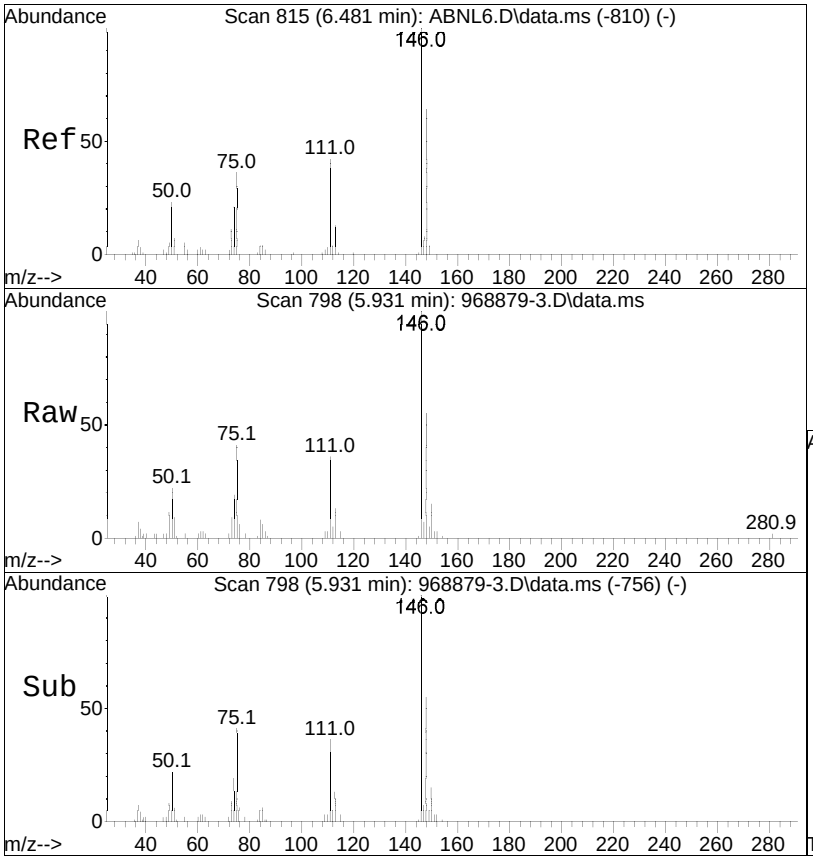


#10
1,3-Dichlorobenzene
Concen: 1.48 ug/ml
RT: 5.825 min Scan# 780
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:146 Resp: 15088

Ion	Ratio	Lower	Upper
146	100		
111	46.7	34.3	51.5
148	61.8	50.8	76.2

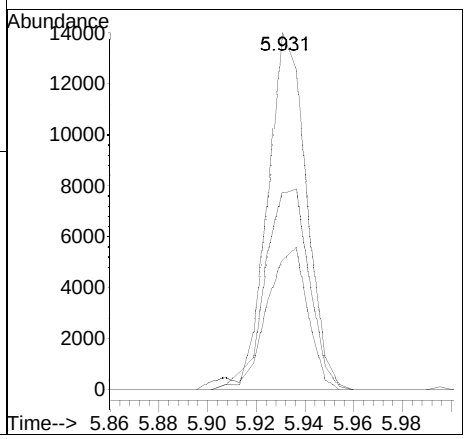


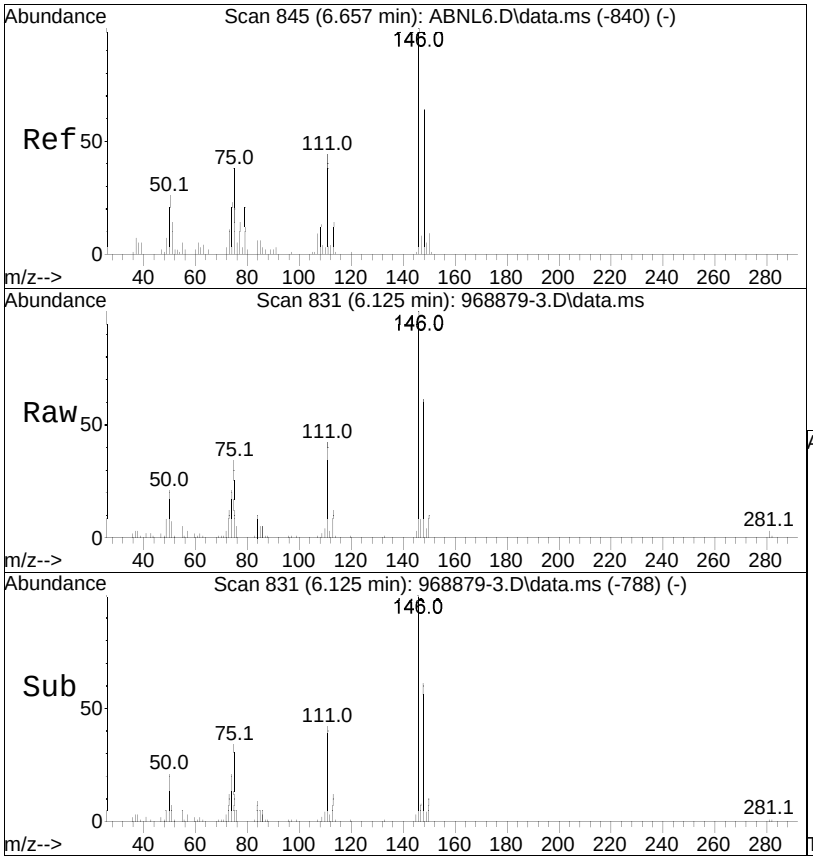


#11
1,4-Dichlorobenzene
Concen: 1.49 ug/ml
RT: 5.931 min Scan# 798
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:146 Resp: 15386

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.7	76.1
111	43.8	33.4	50.0

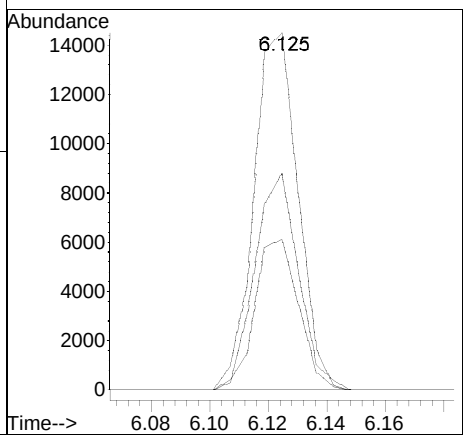


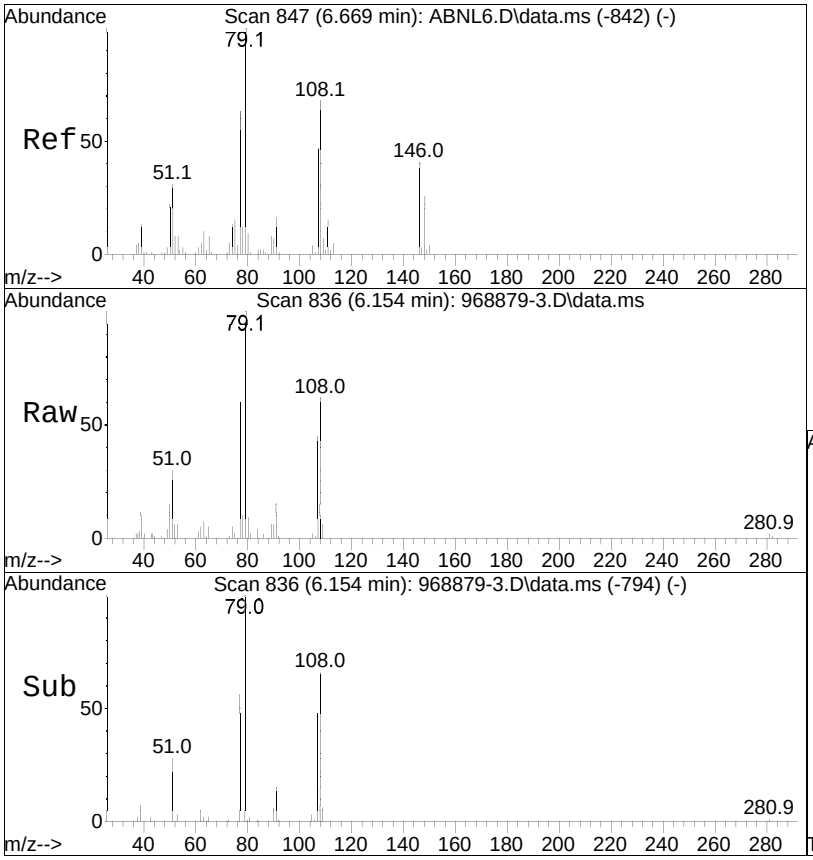


#12
1,2-Dichlorobenzene
Concen: 1.51 ug/ml
RT: 6.125 min Scan# 831
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:146 Resp: 15123

Ion	Ratio	Lower	Upper
146	100		
111	42.2	34.6	52.0
148	59.9	50.2	75.4

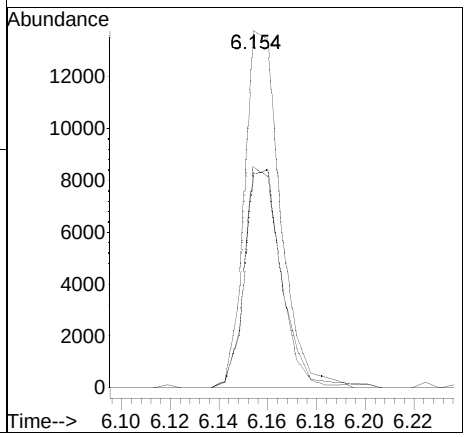


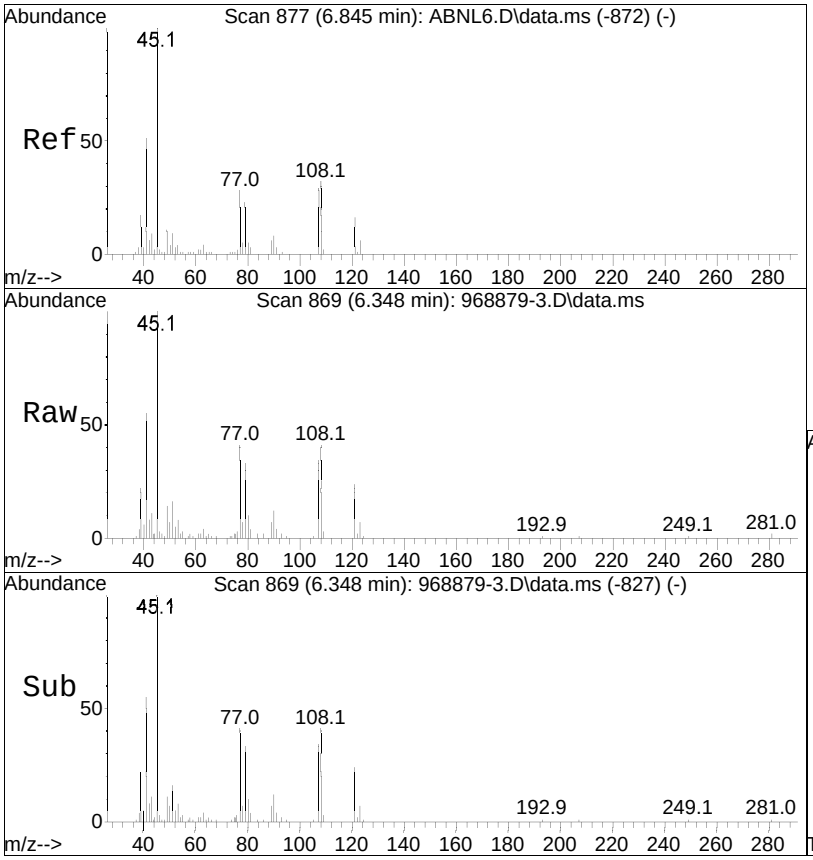


#13
Benzyl alcohol
Concen: 1.69 ug/ml
RT: 6.154 min Scan# 836
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 79 Resp: 14104

Ion	Ratio	Lower	Upper
79	100		
77	63.7	54.9	82.3
108	61.5	63.1	94.7#

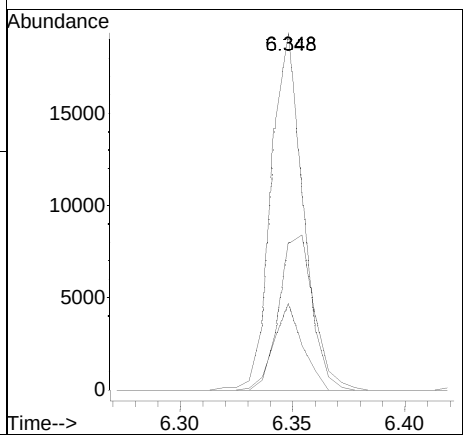


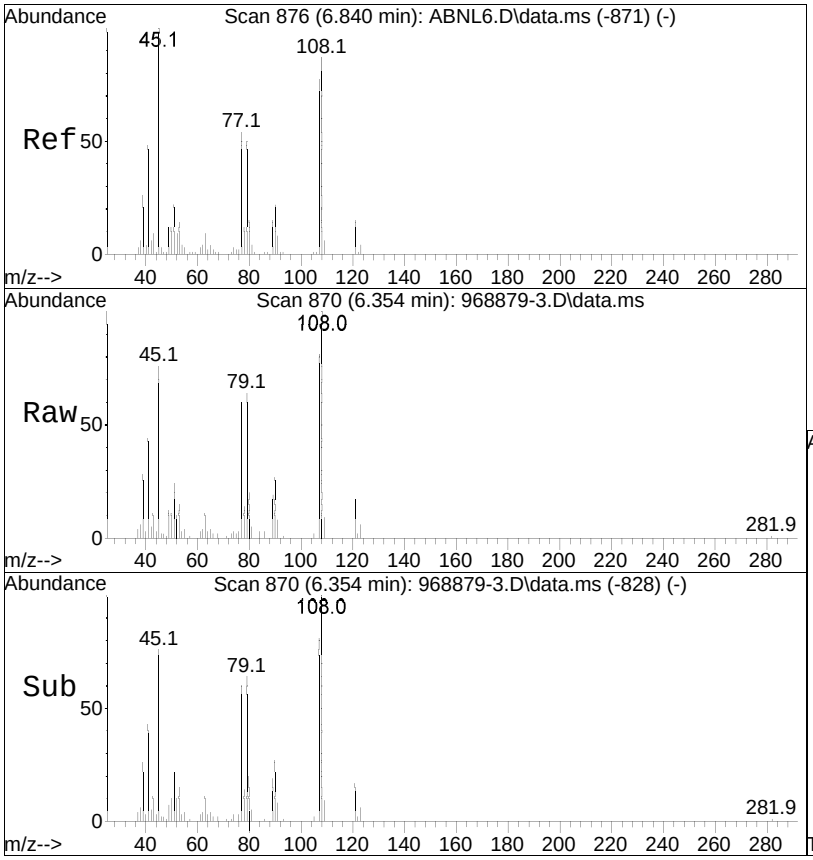


#14
Bis(2-chloroisopropyl)ether
Concen: 1.31 ug/ml
RT: 6.348 min Scan# 869
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 45 Resp: 18741

Ion	Ratio	Lower	Upper
45	100		
121	22.2	9.8	14.6#
77	48.2	6.1	9.1#

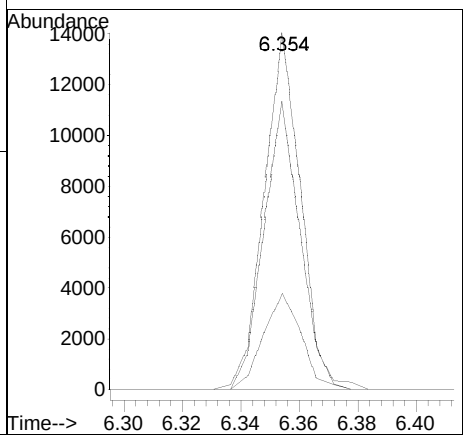


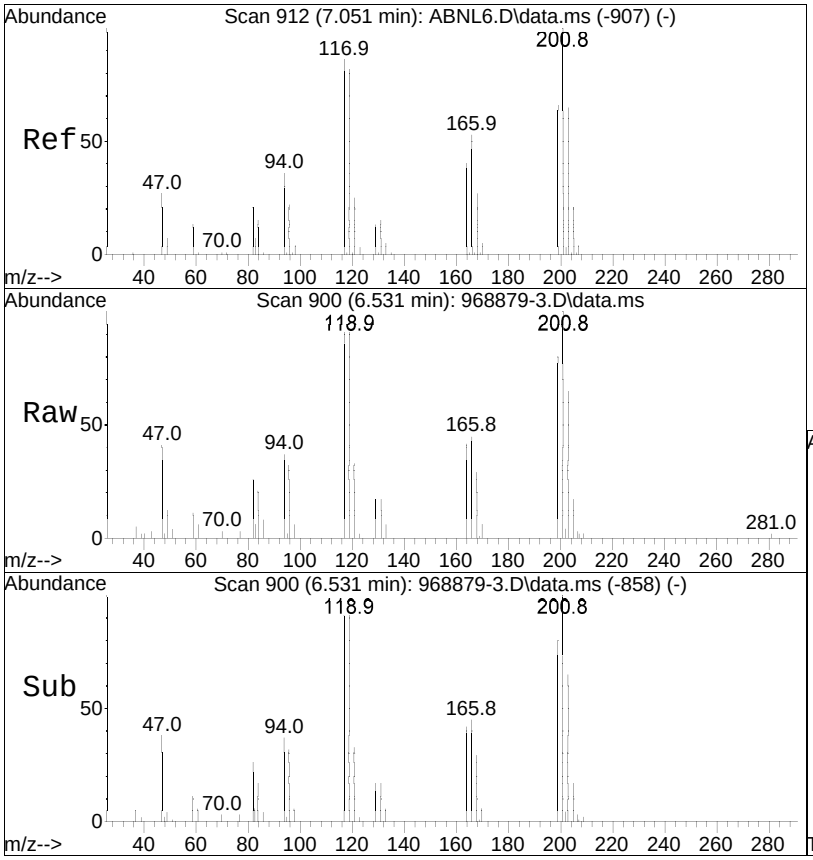


#15
2-Methylphenol
Concen: 1.55 ug/ml
RT: 6.354 min Scan# 870
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:108 Resp: 12048

Ion	Ratio	Lower	Upper
108	100		
107	82.0	70.7	106.1
90	28.3	18.7	28.1#

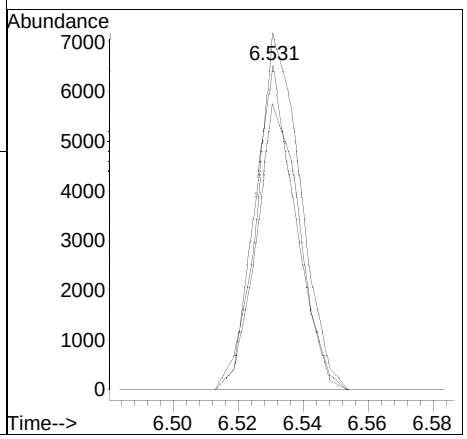


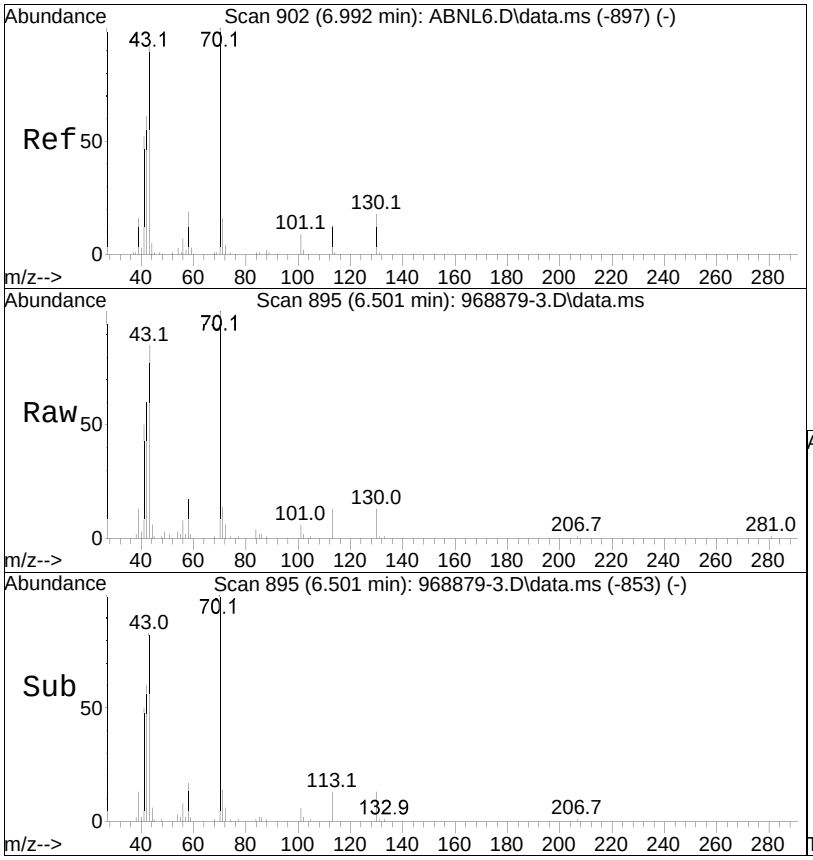


#16
Hexachloroethane
Concen: 1.39 ug/ml
RT: 6.531 min Scan# 900
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:117 Resp: 5696

Ion	Ratio	Lower	Upper
117	100		
201	117.5	58.6	87.8#
199	94.0	36.9	55.3#

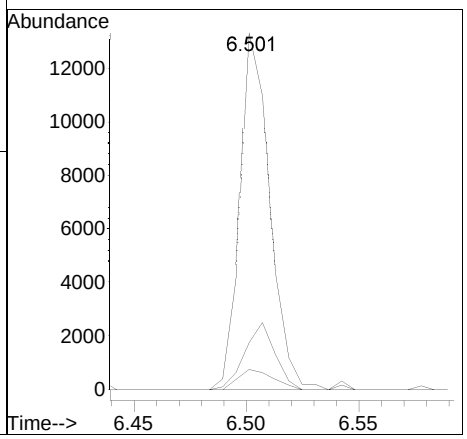


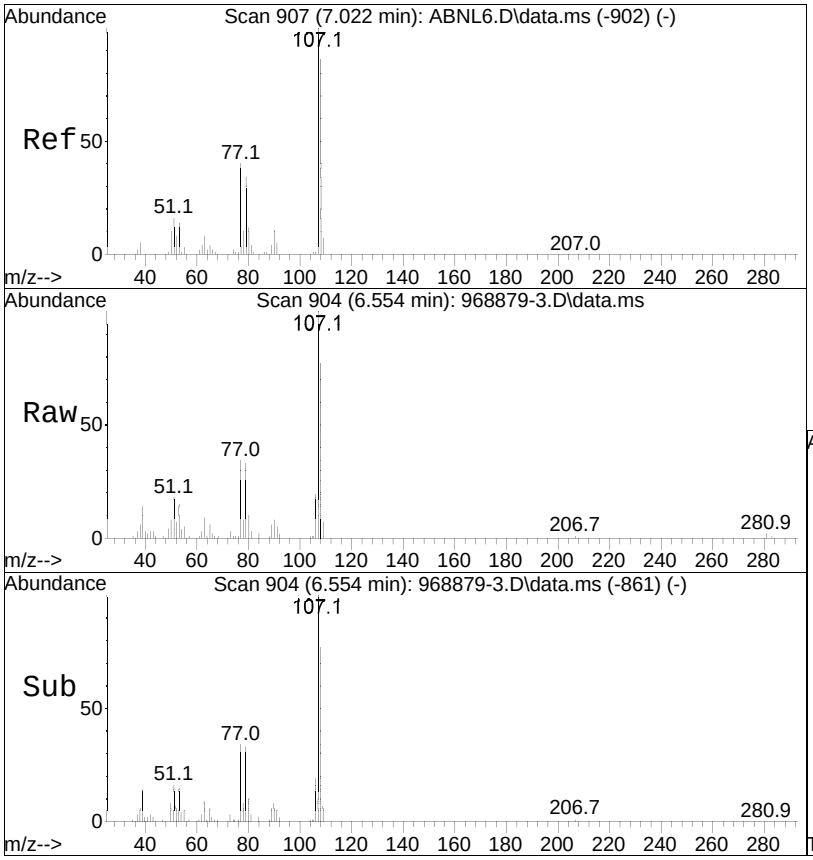


#17
n-Nitrosodi-n-propylamine
Concen: 1.76 ug/ml
RT: 6.501 min Scan# 895
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 70 Resp: 12294

Ion	Ratio	Lower	Upper
70	100		
130	19.0	18.2	27.4
101	6.7	7.8	11.8#

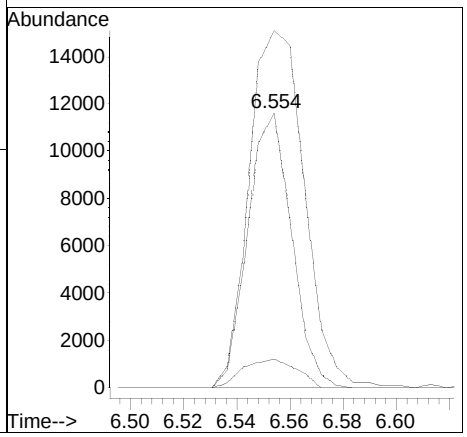


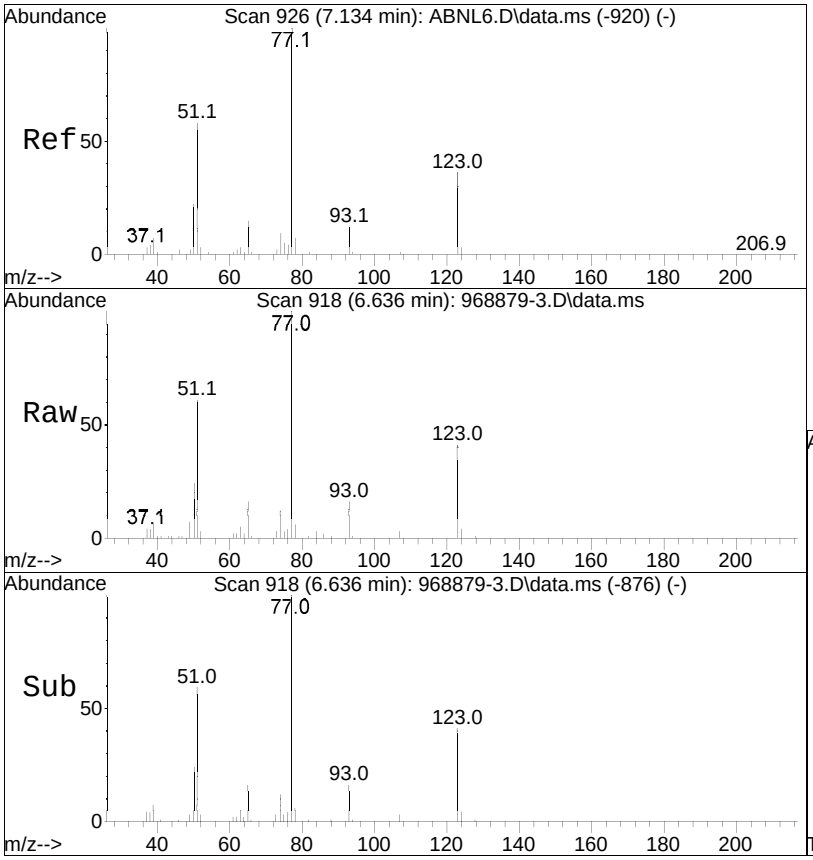


#18
3-Methylphenol/4-Methylphenol
Concen: 1.57 ug/ml
RT: 6.554 min Scan# 904
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:108 Resp: 13256

Ion	Ratio	Lower	Upper
108	100		
107	164.4	88.6	132.8#
90	13.1	8.8	13.2

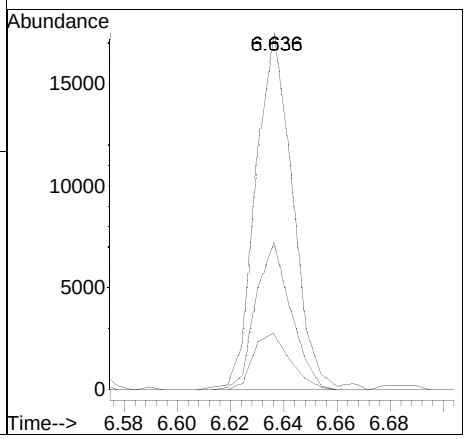


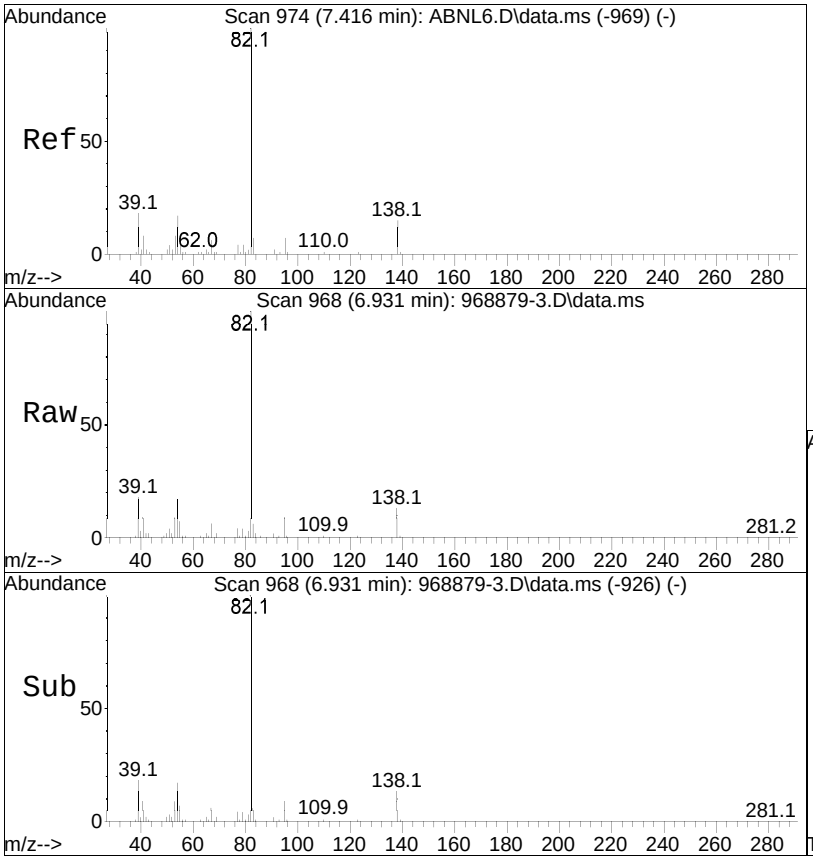


#20
Nitrobenzene
Concen: 1.55 ug/ml
RT: 6.636 min Scan# 918
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 77 Resp: 16824

Ion	Ratio	Lower	Upper
77	100		
123	39.5	36.3	54.5
65	15.9	11.6	17.4

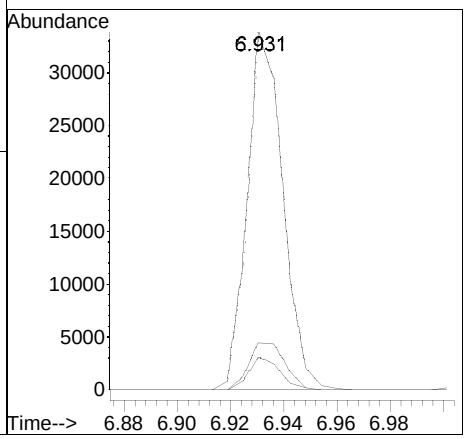


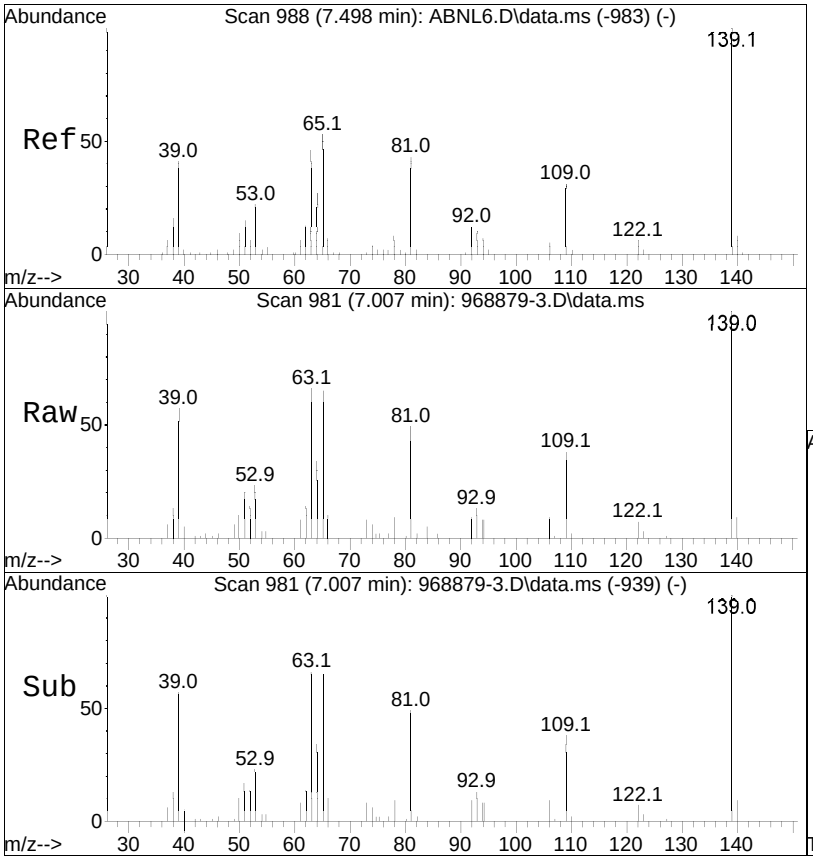


#21
Isophorone
Concen: 1.72 ug/ml
RT: 6.931 min Scan# 968
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 82 Resp: 31228

Ion	Ratio	Lower	Upper
82	100		
138	13.6	14.7	22.1#
95	8.1	5.2	7.8#

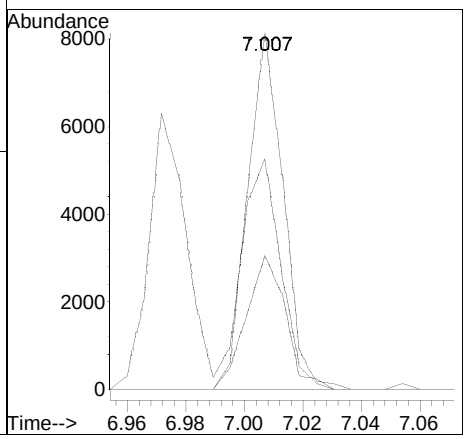


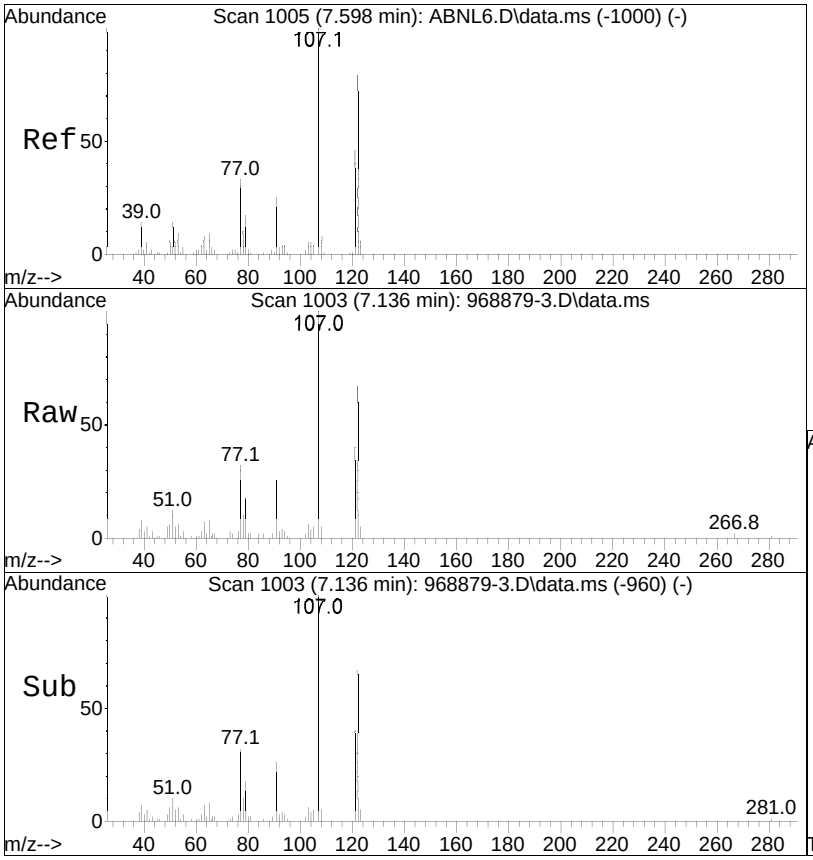


#22
2-Nitrophenol
Concen: 1.51 ug/ml
RT: 7.007 min Scan# 981
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:139 Resp: 6867

Ion	Ratio	Lower	Upper
139	100		
109	41.5	19.4	29.0#
65	71.1	46.1	69.1#

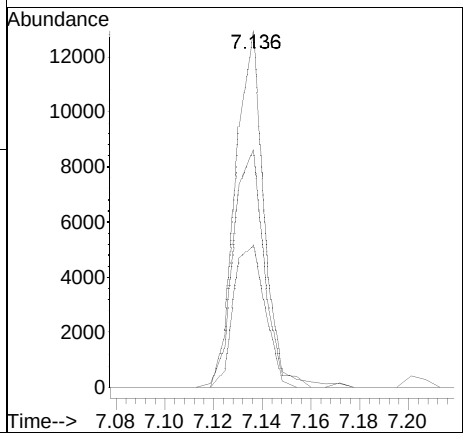


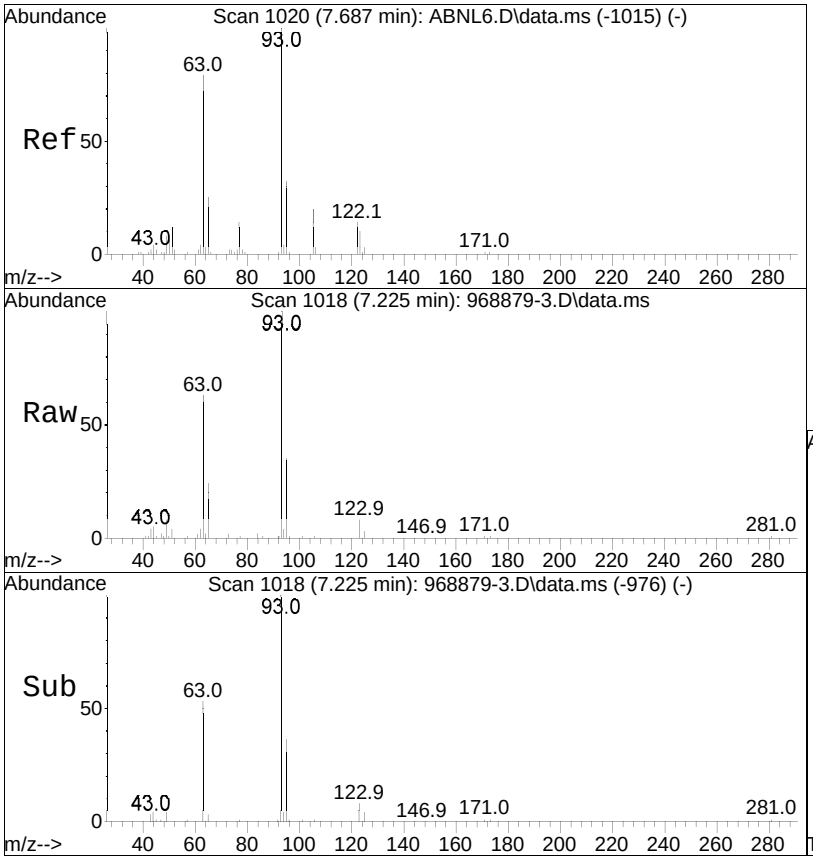


#23
2,4-Dimethylphenol
Concen: 1.22 ug/ml
RT: 7.136 min Scan# 1003
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:107 Resp: 10452

Ion	Ratio	Lower	Upper
107	100		
121	44.4	40.0	60.0
122	72.5	70.2	105.4

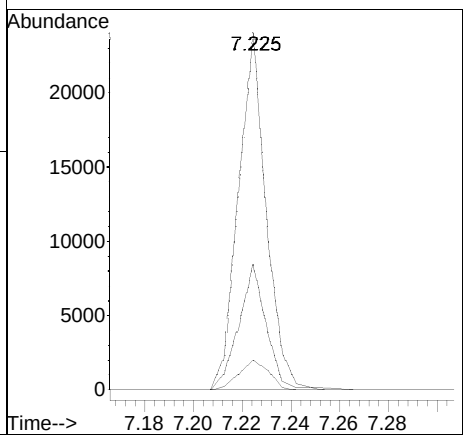


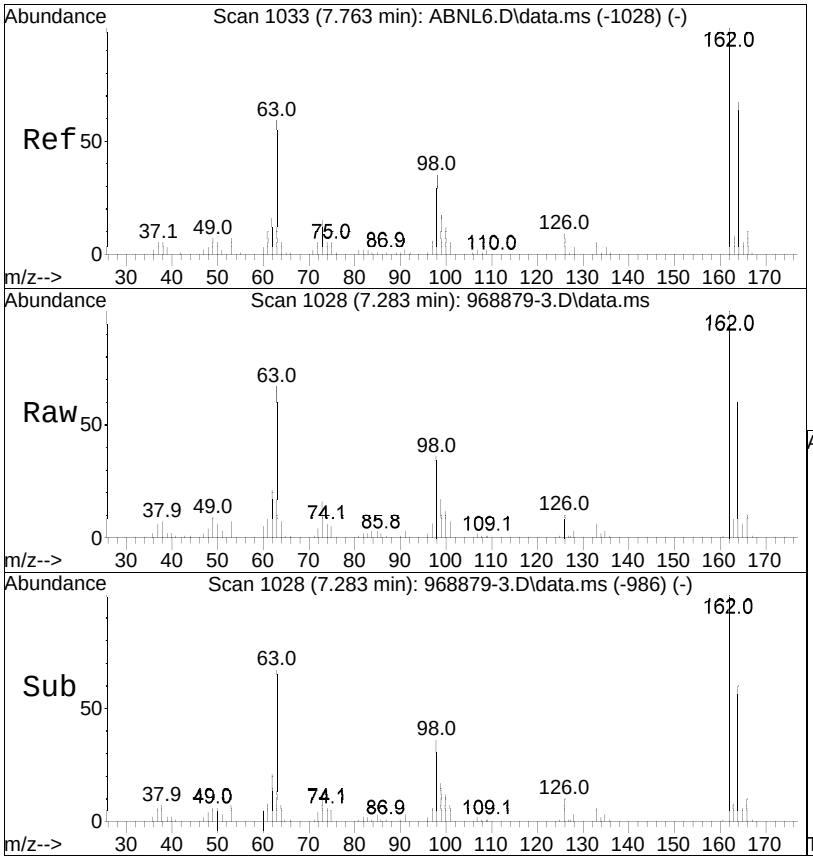


#24
Bis(2-chloroethoxy)methane
Concen: 1.61 ug/ml
RT: 7.225 min Scan# 1018
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 93 Resp: 18867

Ion	Ratio	Lower	Upper
93	100		
95	34.9	25.8	38.8
123	9.0	10.1	15.1#

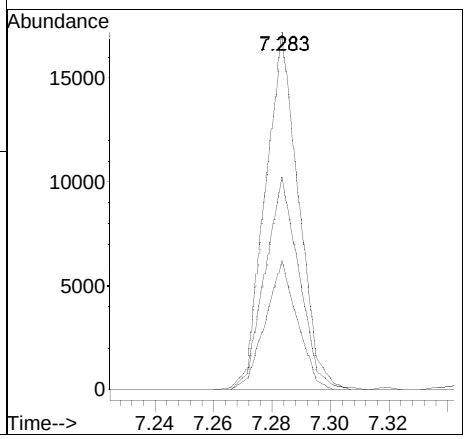


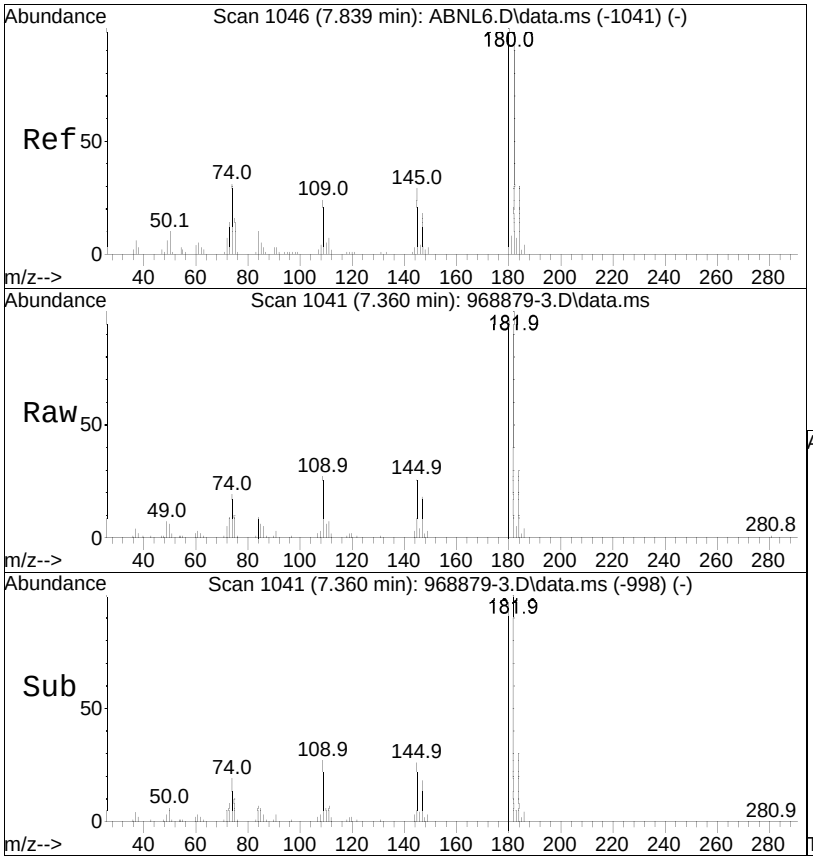


#25
2,4-Dichlorophenol
Concen: 1.66 ug/ml
RT: 7.283 min Scan# 1028
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:162 Resp: 13512

Ion	Ratio	Lower	Upper
162	100		
164	61.2	51.0	76.4
98	34.9	32.2	48.2

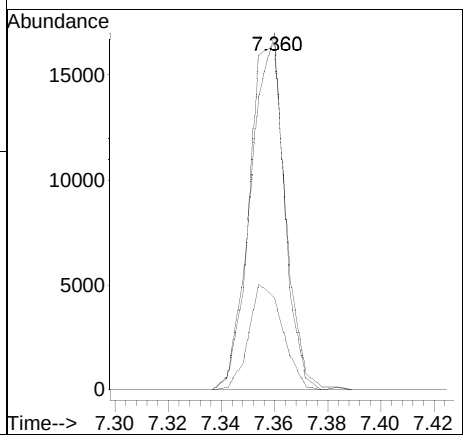


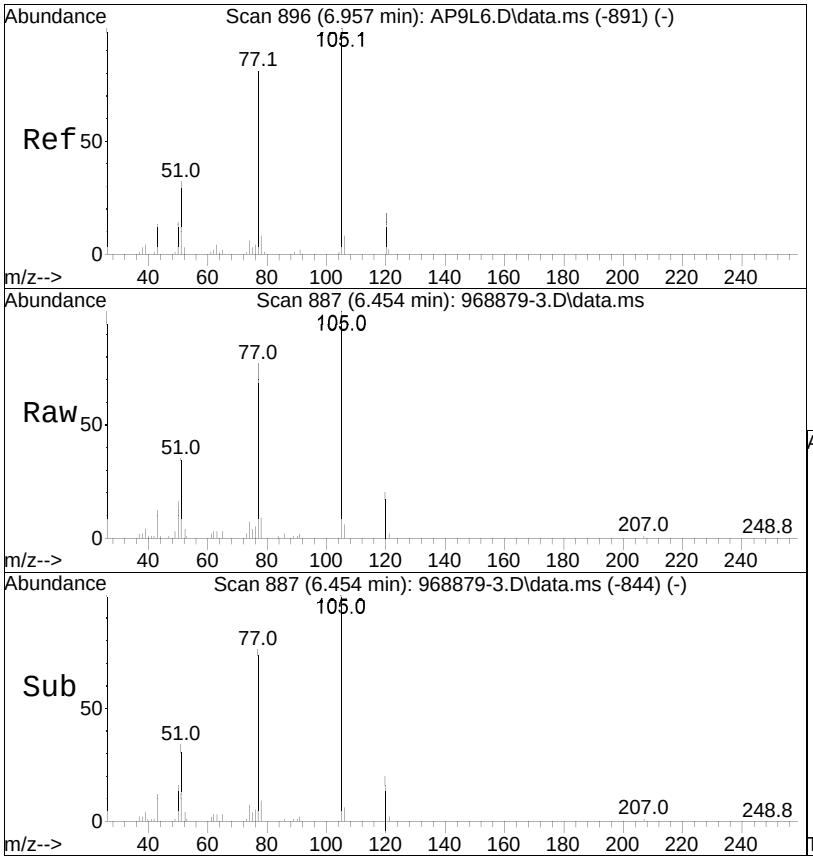


#26
1,2,4-Trichlorobenzene
Concen: 1.56 ug/ml
RT: 7.360 min Scan# 1041
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:180 Resp: 15571

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	28.7	25.7	38.5

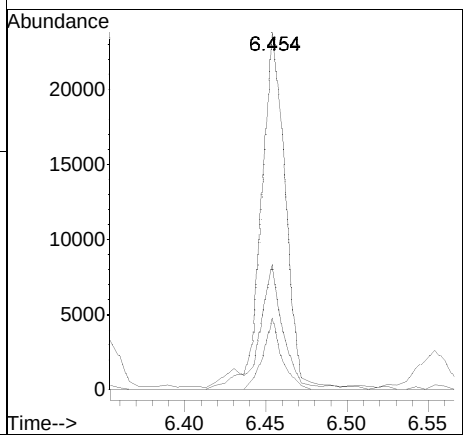


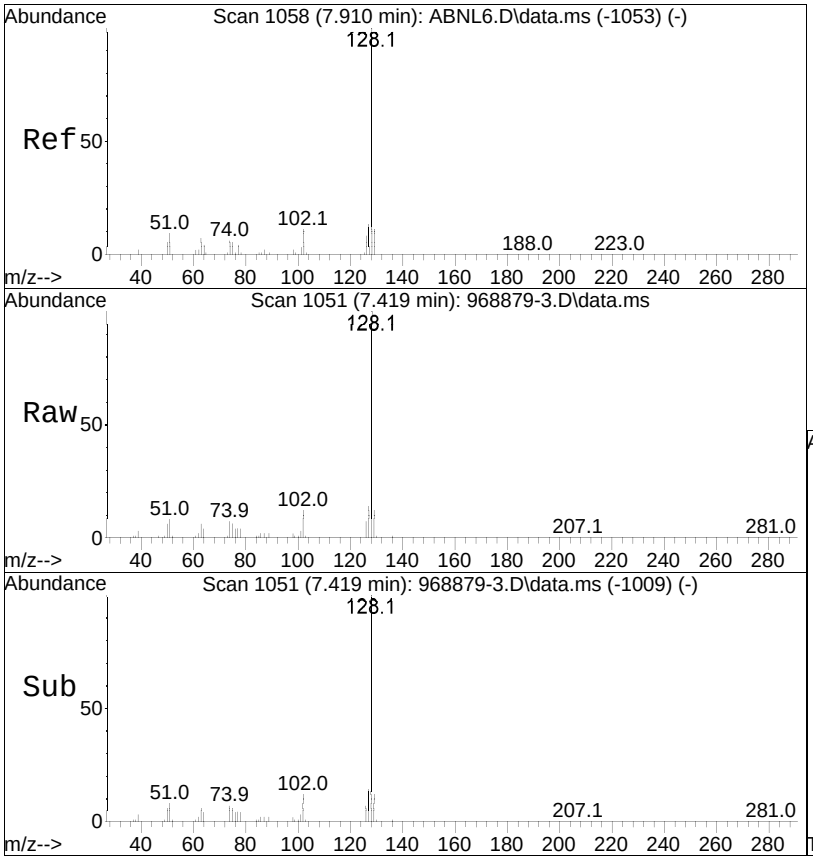


#29
Acetophenone
Concen: 1.71 ug/ml
RT: 6.454 min Scan# 887
Delta R.T. 0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:105 Resp: 24347

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	34.8	34.9	52.3#

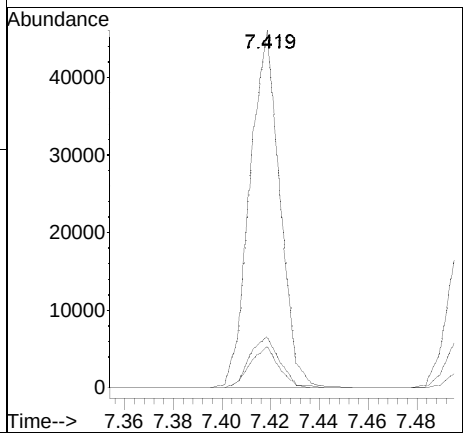


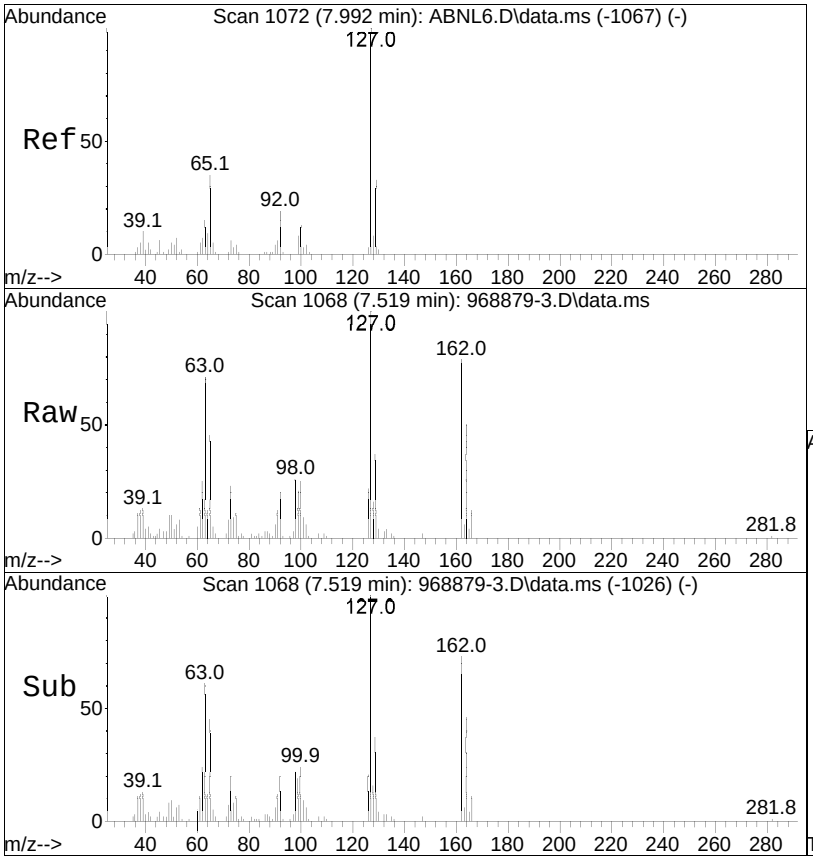


#36
Naphthalene
Concen: 1.42 ug/ml
RT: 7.419 min Scan# 1051
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:128 Resp: 39302

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	14.6	10.3	15.5

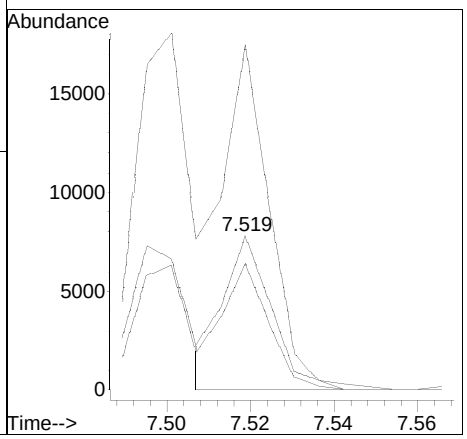


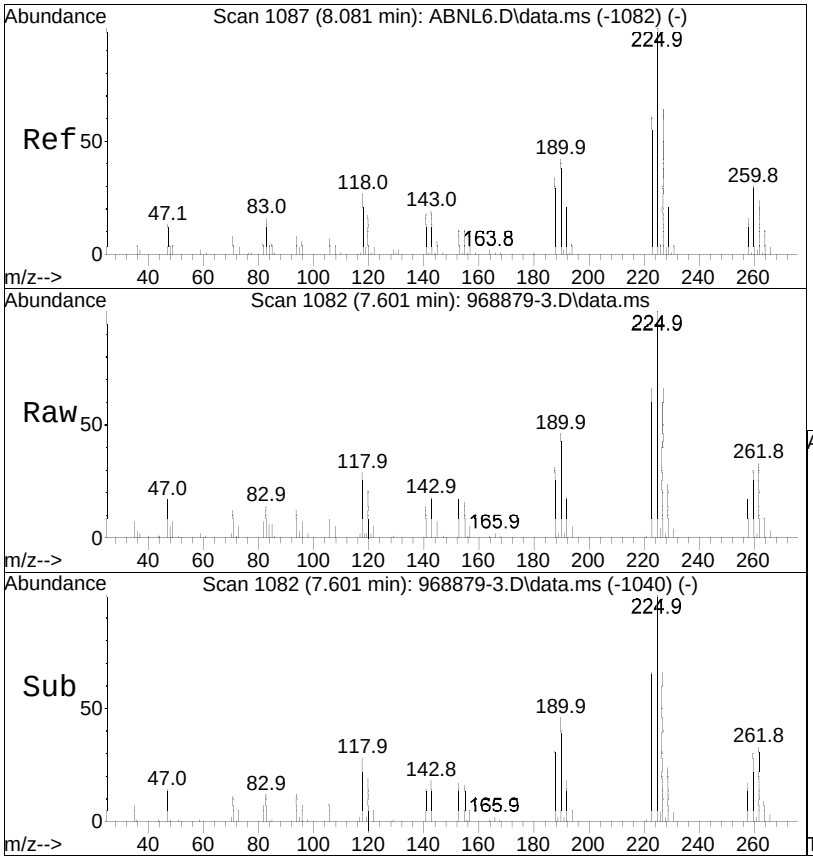


#38
4-Chloroaniline
Concen: 1.53 ug/ml
RT: 7.519 min Scan# 1068
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 65 Resp: 6250

Ion	Ratio	Lower	Upper
65	100		
127	0.0	237.6	356.4#
129	79.4	76.3	114.5

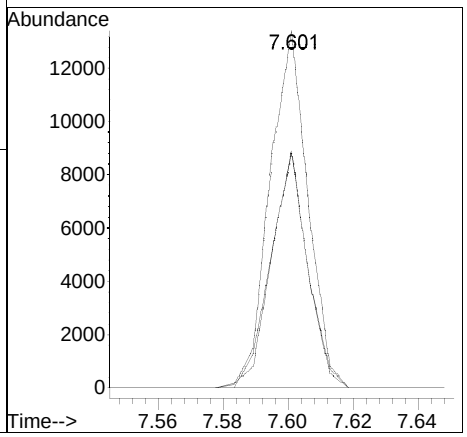


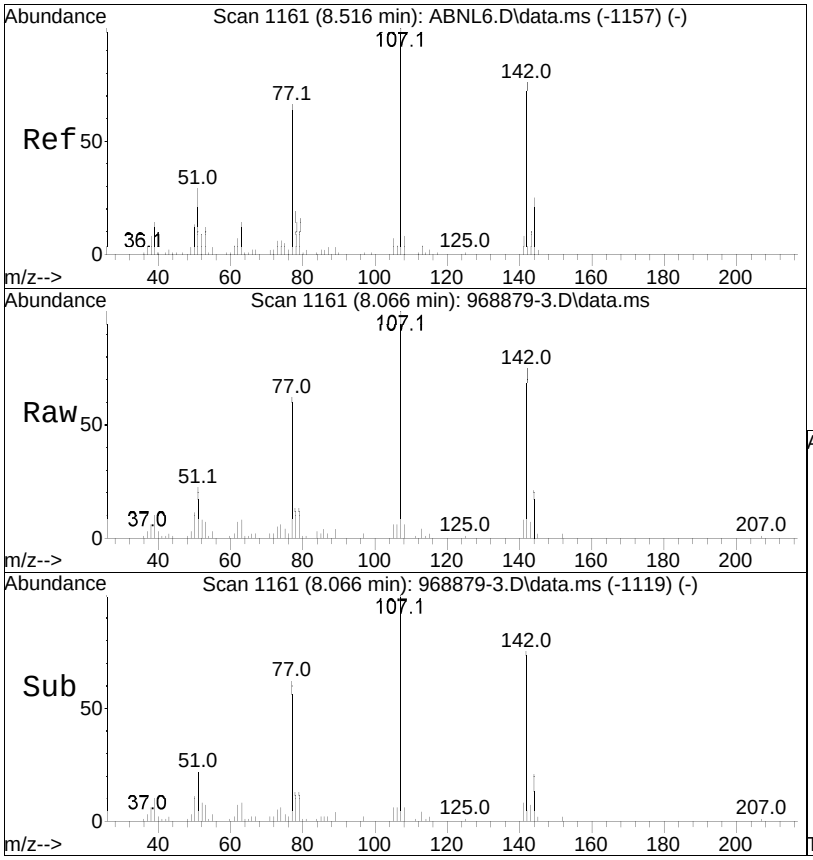


#39
Hexachlorobutadiene
Concen: 1.47 ug/ml
RT: 7.601 min Scan# 1082
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:225 Resp: 10808

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.3	75.5
227	62.9	52.2	78.2

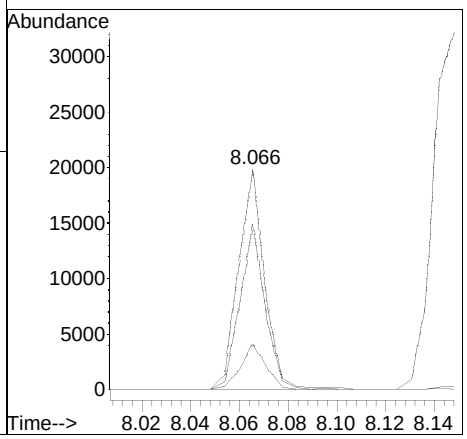


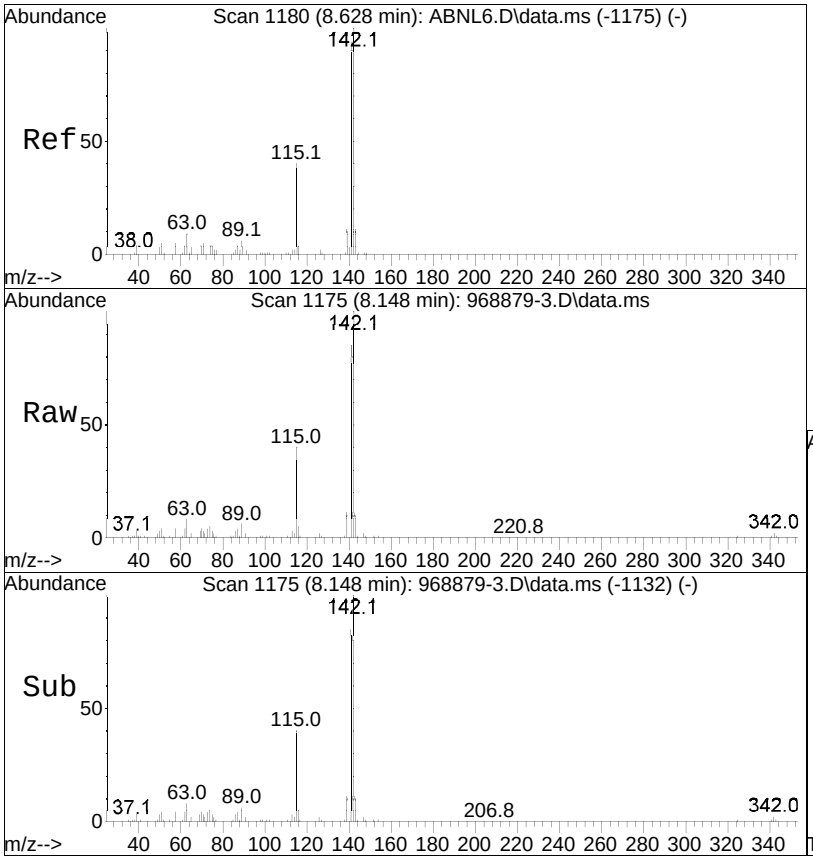


#40
p-Chloro-m-cresol
Concen: 1.77 ug/ml
RT: 8.066 min Scan# 1161
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:107 Resp: 14701

Ion	Ratio	Lower	Upper
107	100		
144	20.1	20.9	31.3#
142	72.0	66.1	99.1

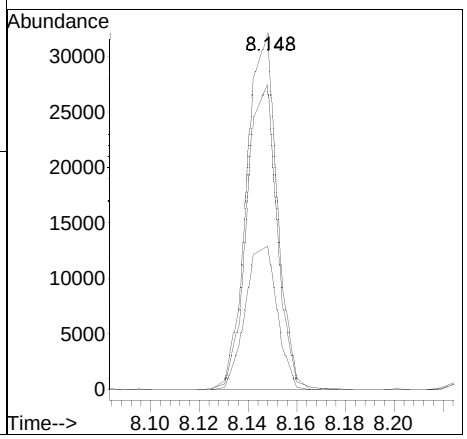


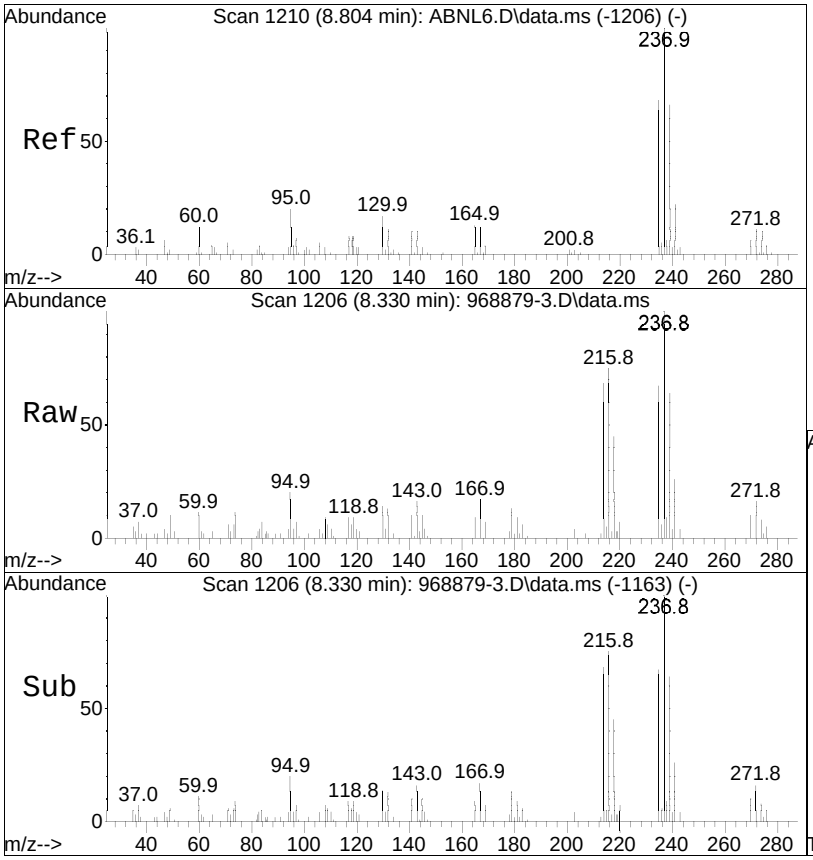


#41
2-Methylnaphthalene
Concen: 1.51 ug/ml
RT: 8.148 min Scan# 1175
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:142 Resp: 27951

Ion	Ratio	Lower	Upper
142	100		
141	85.3	69.6	104.4
115	42.3	26.6	40.0#

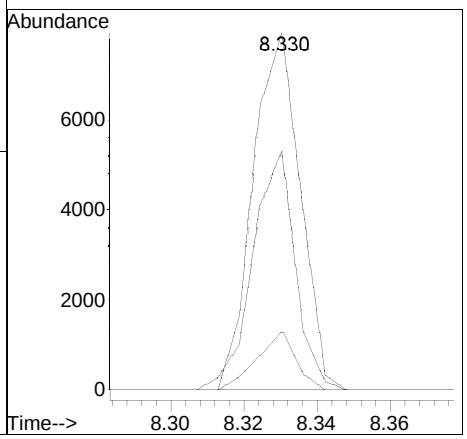


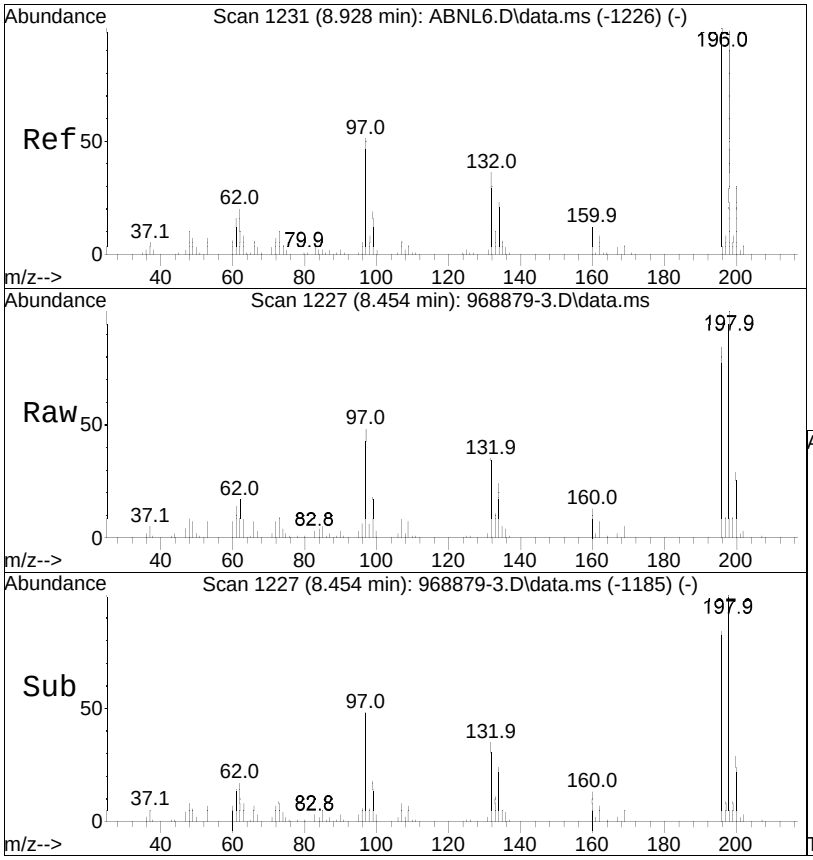


#43
Hexachlorocyclopentadiene
Concen: 0.87 ug/ml
RT: 8.330 min Scan# 1206
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:237 Resp: 7088

Ion	Ratio	Lower	Upper
237	100		
235	60.4	49.7	74.5
272	13.5	9.8	14.6

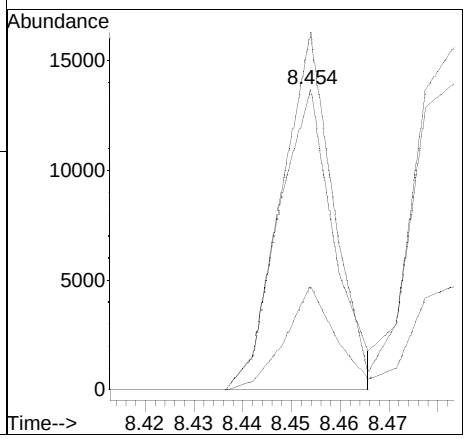


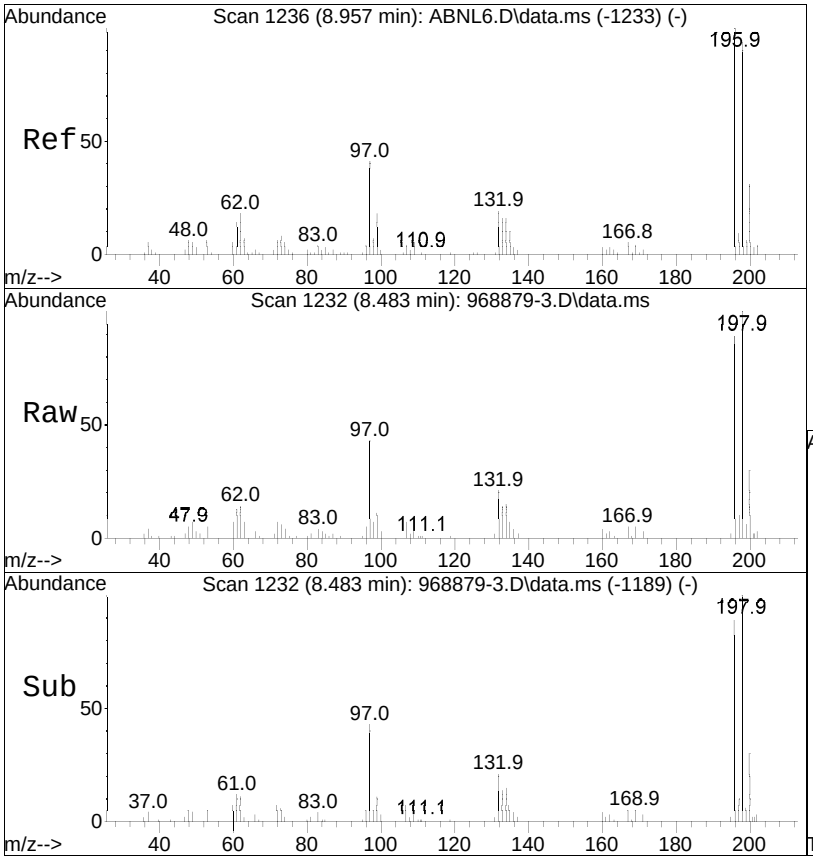


#44
2,4,6-Trichlorophenol
Concen: 1.51 ug/ml
RT: 8.454 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:196 Resp: 10991

Ion	Ratio	Lower	Upper
196	100		
198	110.2	77.5	116.3
200	31.3	23.8	35.6

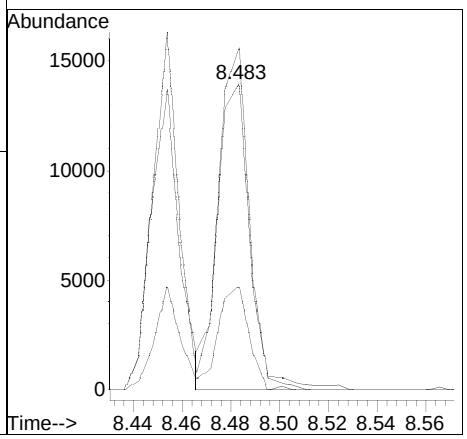


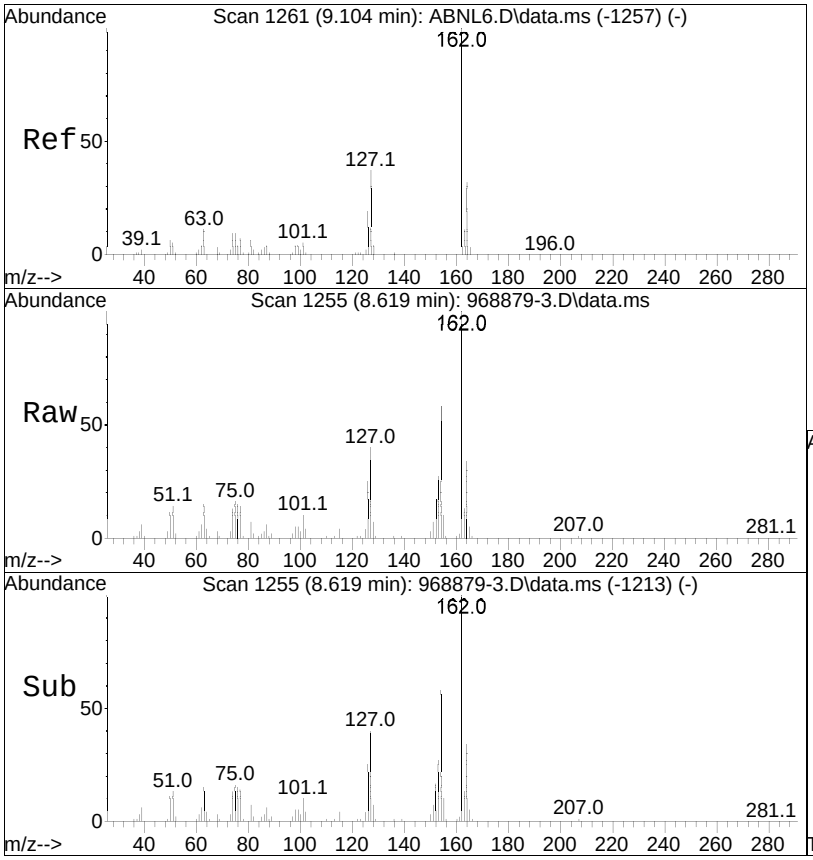


#45
2,4,5-Trichlorophenol
Concen: 1.64 ug/ml
RT: 8.483 min Scan# 1232
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:196 Resp: 12802

Ion	Ratio	Lower	Upper
196	100		
200	32.1	25.4	38.0
198	105.3	78.0	117.0

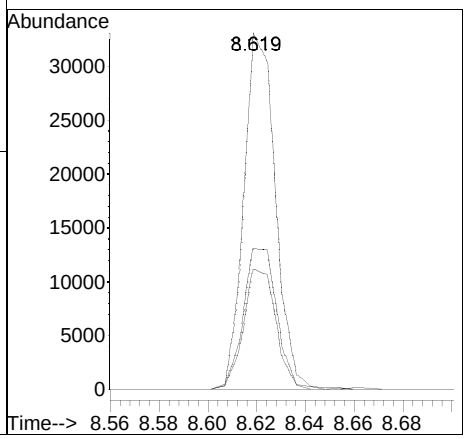


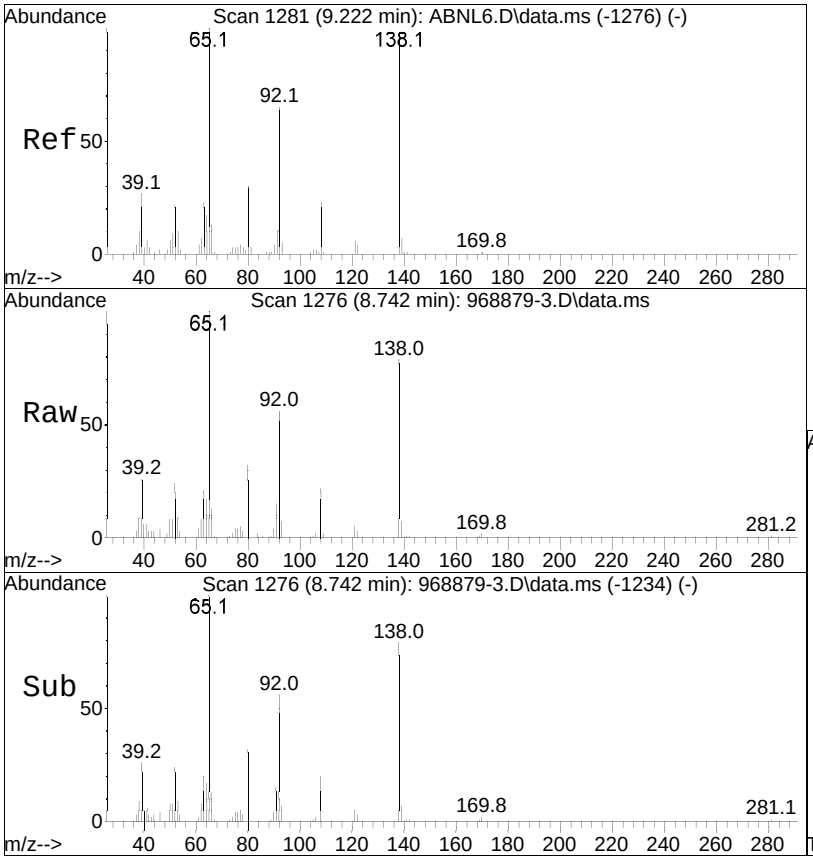


#47
2-Chloronaphthalene
Concen: 1.50 ug/ml
RT: 8.619 min Scan# 1255
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:162 Resp: 29491

Ion	Ratio	Lower	Upper
162	100		
127	42.6	32.2	48.4
164	34.9	25.7	38.5

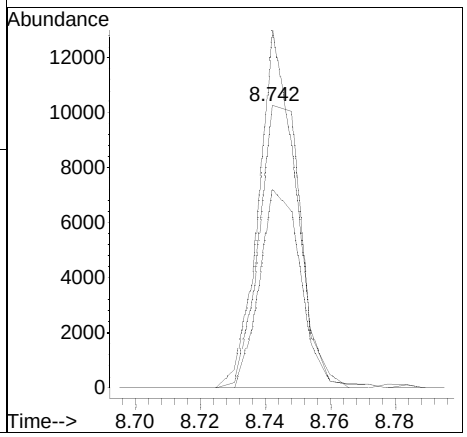


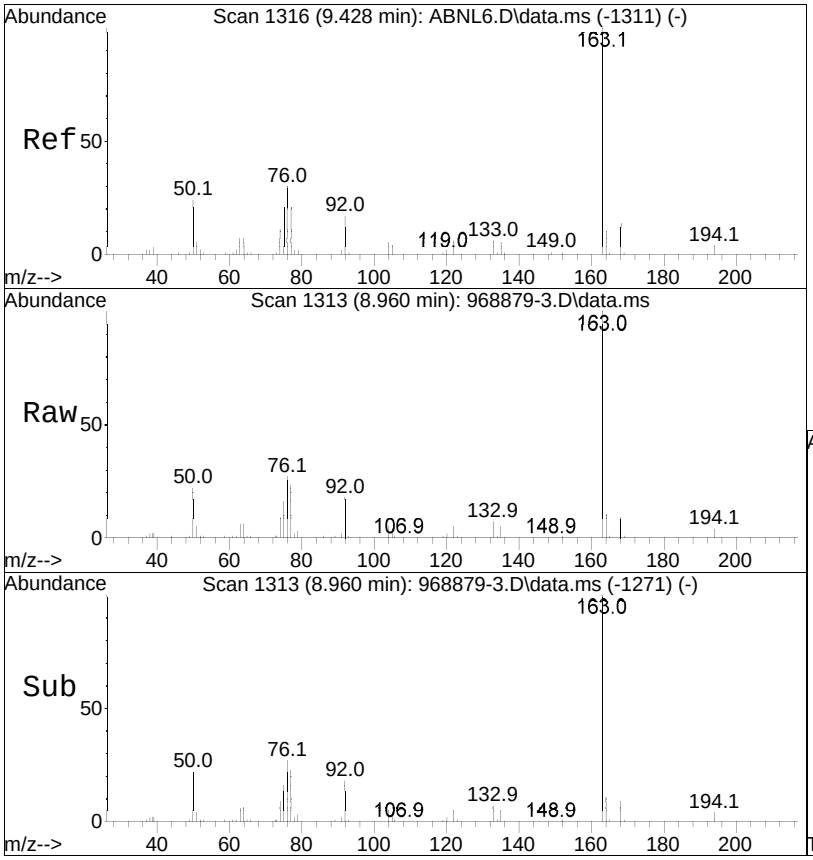


#48
2-Nitroaniline
Concen: 1.55 ug/ml
RT: 8.742 min Scan# 1276
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:138 Resp: 9208

Ion	Ratio	Lower	Upper
138	100		
92	69.4	53.5	80.3
65	111.4	86.3	129.5

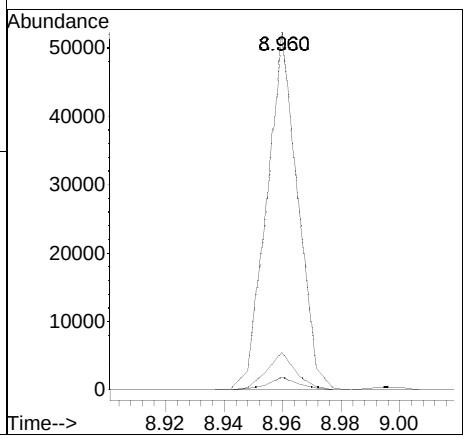


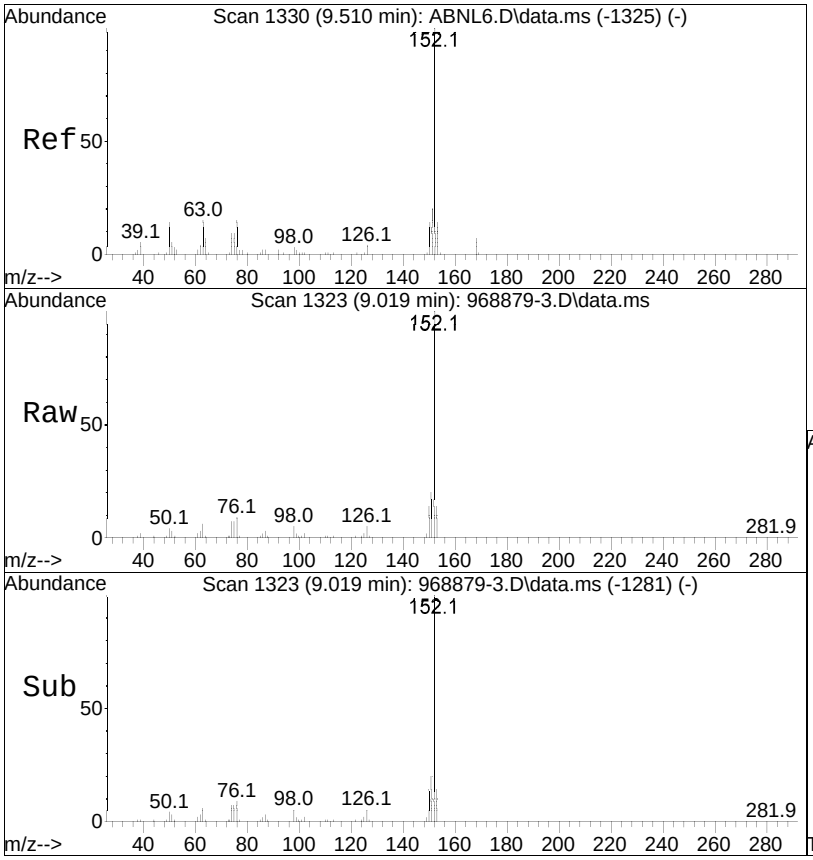


#51
Dimethyl phthalate
Concen: 1.59 ug/ml
RT: 8.960 min Scan# 1313
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:163 Resp: 38064

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	10.0	7.9	11.9

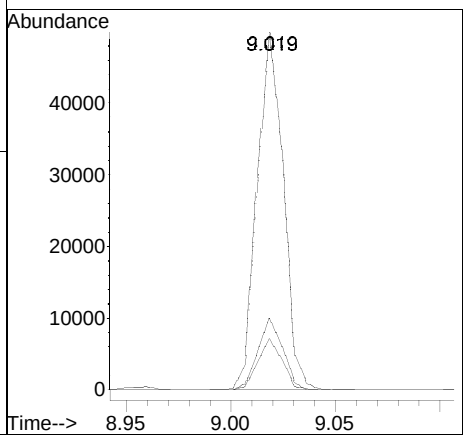


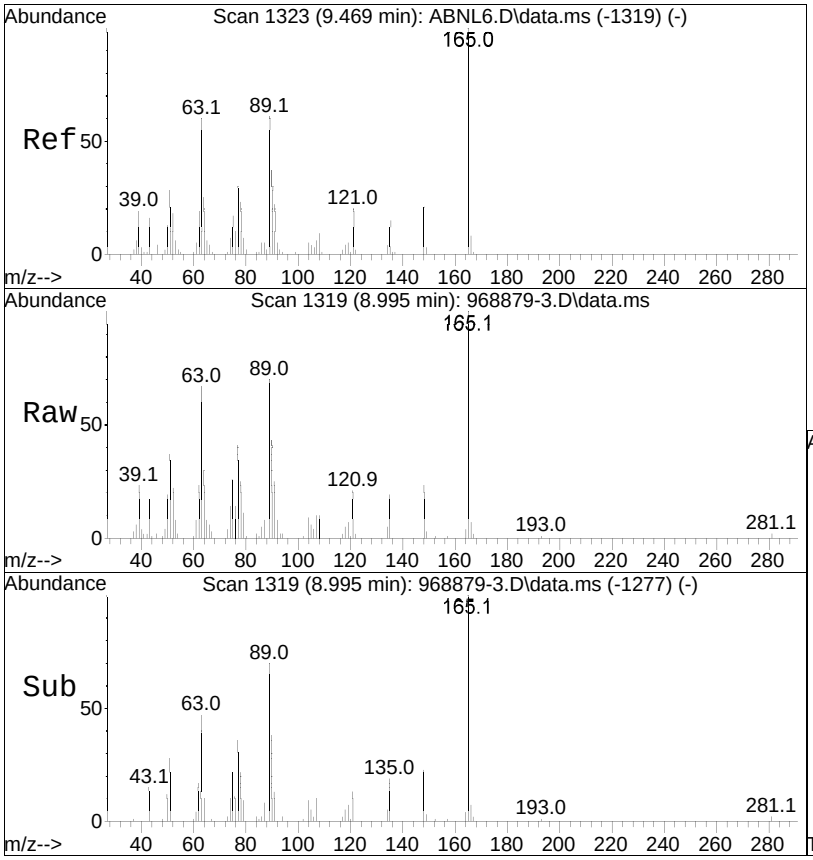


#52
Acenaphthylene
Concen: 1.43 ug/ml
RT: 9.019 min Scan# 1323
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:152 Resp: 43065

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	13.4	10.5	15.7

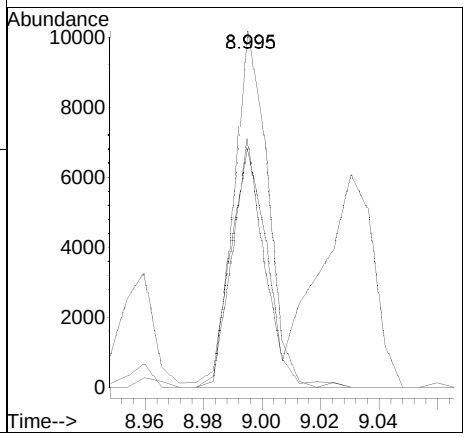


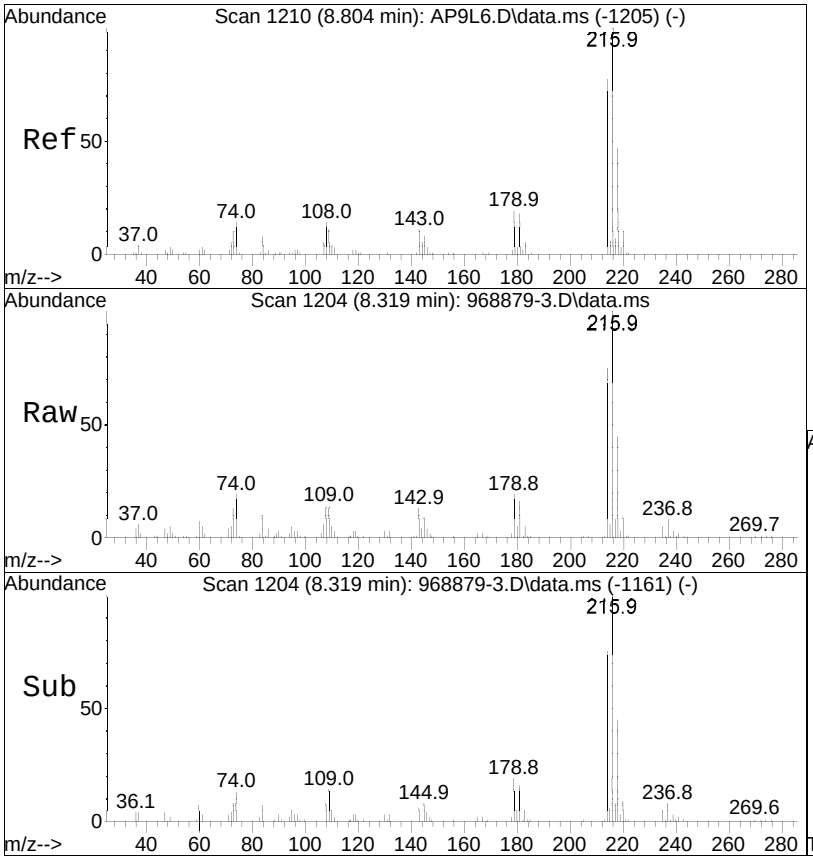


#53
2,6-Dinitrotoluene
Concen: 1.58 ug/ml
RT: 8.995 min Scan# 1319
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:165 Resp: 8169

Ion	Ratio	Lower	Upper
165	100		
89	67.0	54.2	81.2
63	71.4	64.2	96.2

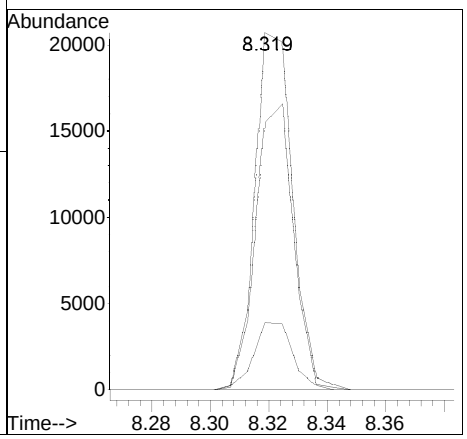


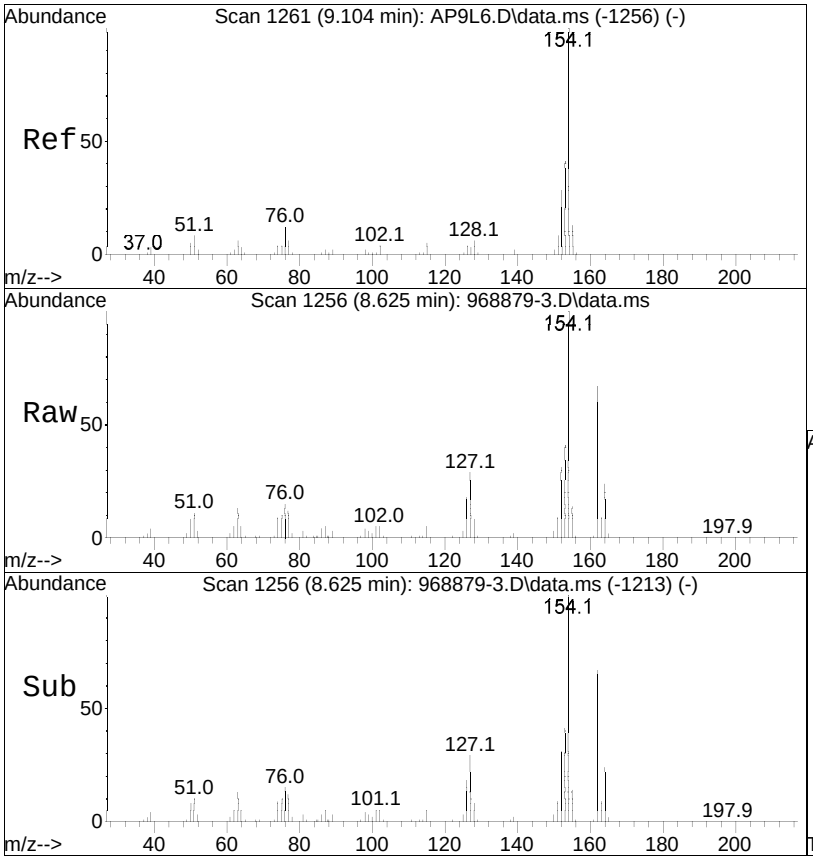


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.40 ug/ml
RT: 8.319 min Scan# 1204
Delta R.T. 0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:216 Resp: 18589

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.7	95.5
179	19.6	19.0	28.6

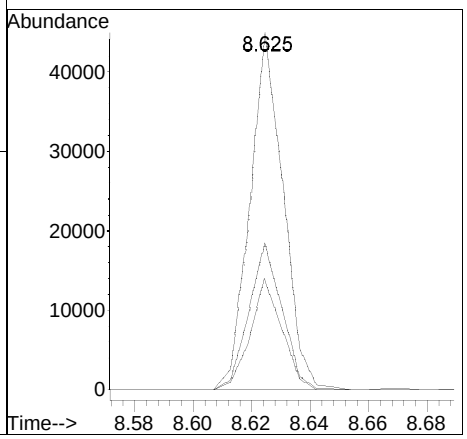


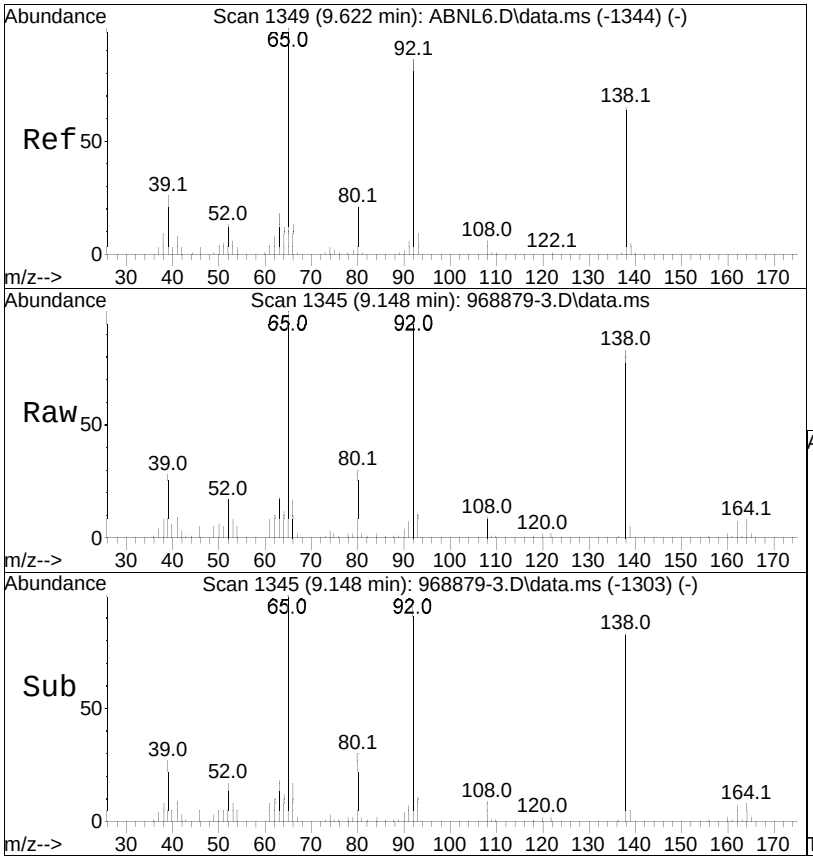


#62
Biphenyl
Concen: 1.34 ug/ml
RT: 8.625 min Scan# 1256
Delta R.T. 0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:154 Resp: 35137

Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.3	48.5
152	29.8	22.5	33.7

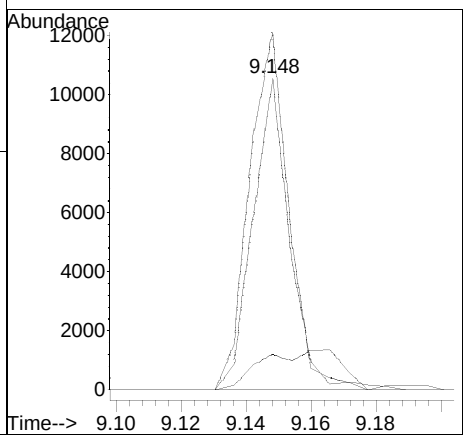


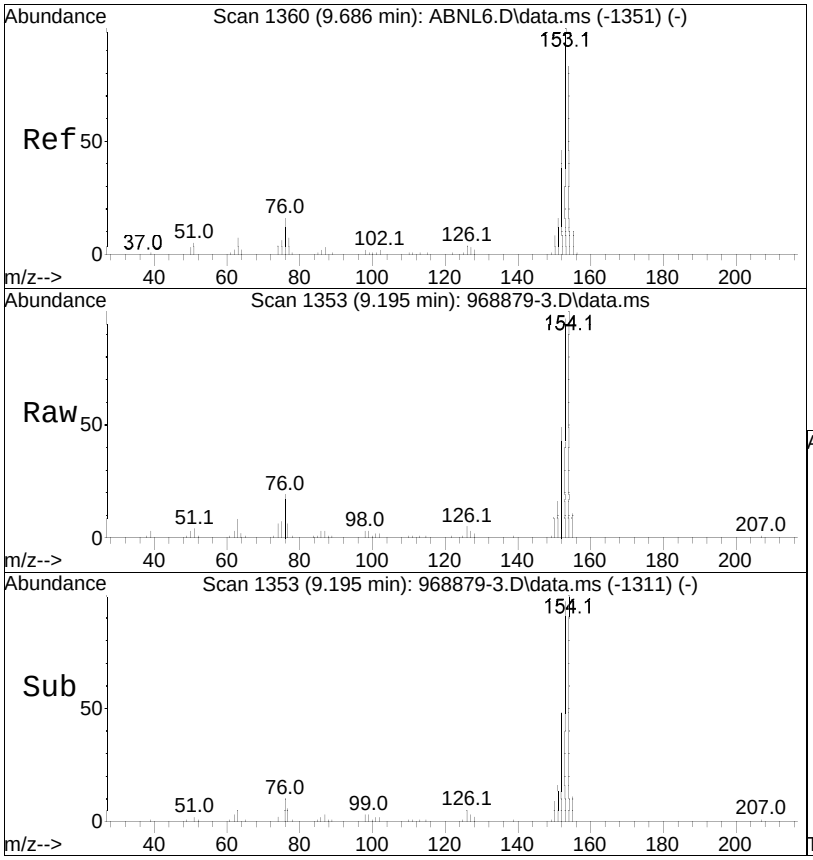


#64
3-Nitroaniline
Concen: 1.60 ug/ml
RT: 9.148 min Scan# 1345
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:138 Resp: 8127

Ion	Ratio	Lower	Upper
138	100		
92	125.4	93.4	140.2
108	28.2	9.5	14.3#

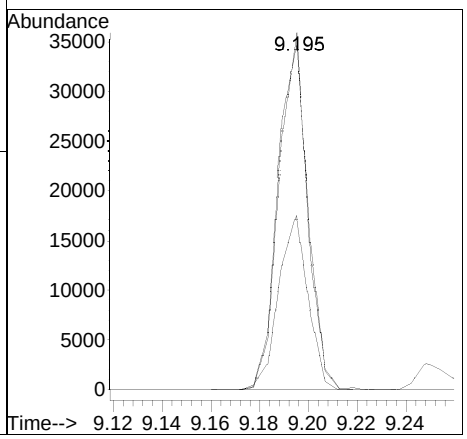


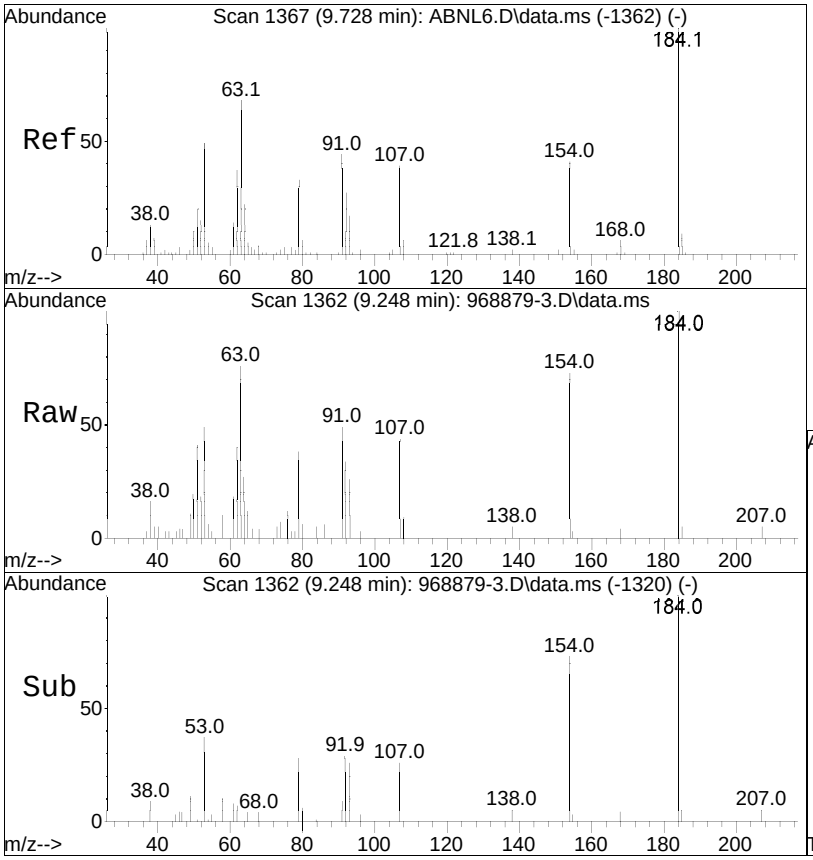


#65
Acenaphthene
Concen: 1.58 ug/ml
RT: 9.195 min Scan# 1353
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:154 Resp: 29048

Ion	Ratio	Lower	Upper
154	100		
153	102.7	85.3	127.9
152	50.7	41.4	62.0

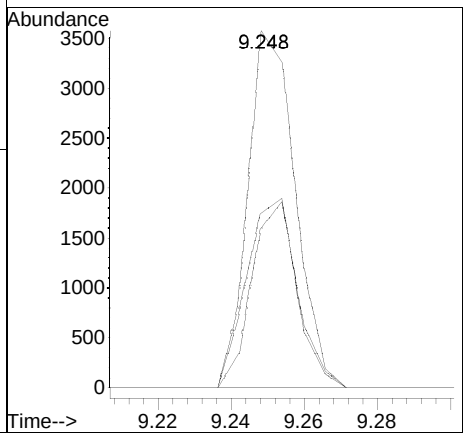


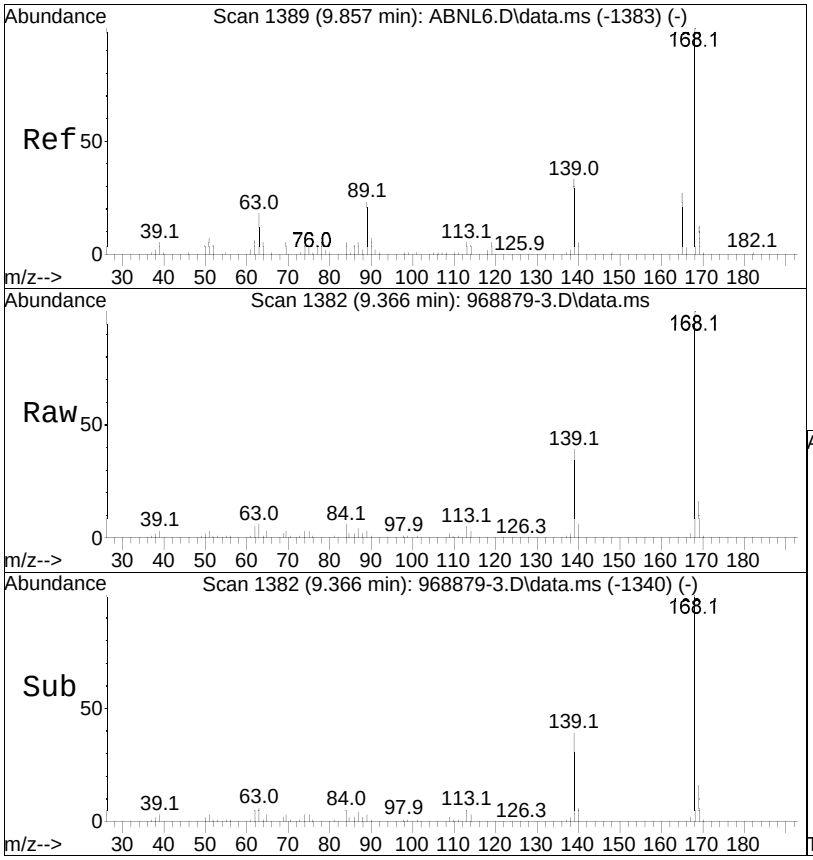


#66
2,4-Dinitrophenol
Concen: 0.94 ug/ml
RT: 9.248 min Scan# 1362
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:184 Resp: 3204

Ion	Ratio	Lower	Upper
184	100		
107	50.6	37.7	56.5
91	55.8	46.3	69.5

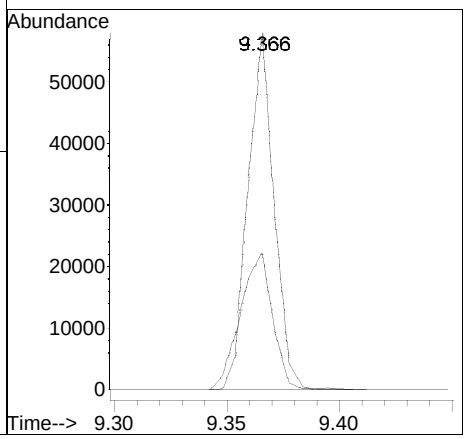


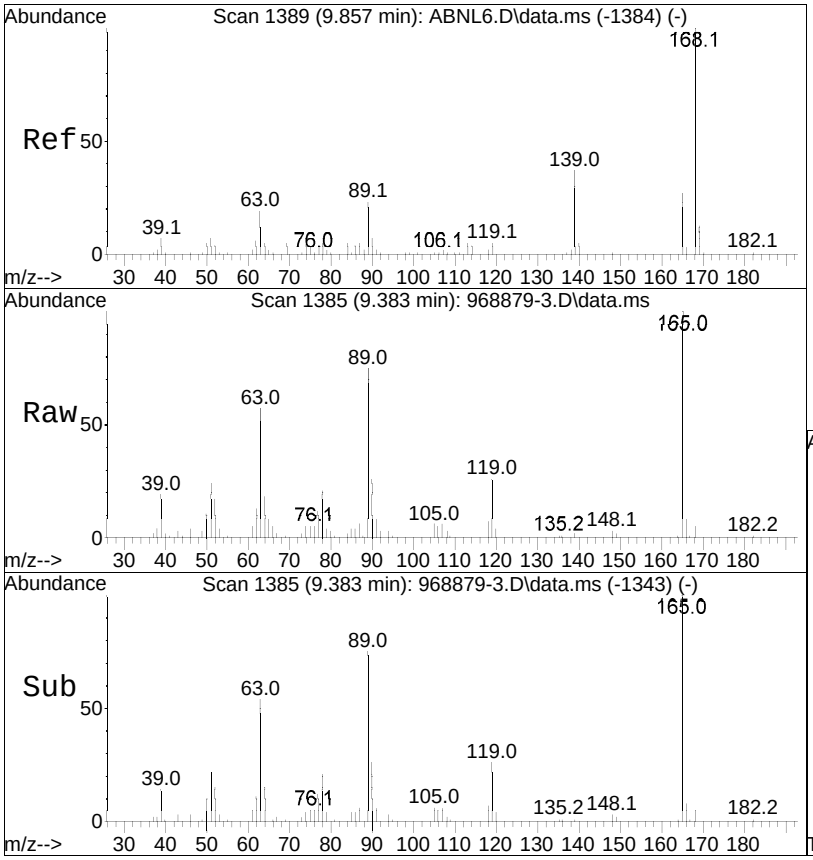


#67
Dibenzofuran
Concen: 1.50 ug/ml
RT: 9.366 min Scan# 1382
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:168 Resp: 46062

Ion	Ratio	Lower	Upper
168	100		
139	48.4	31.4	47.2#

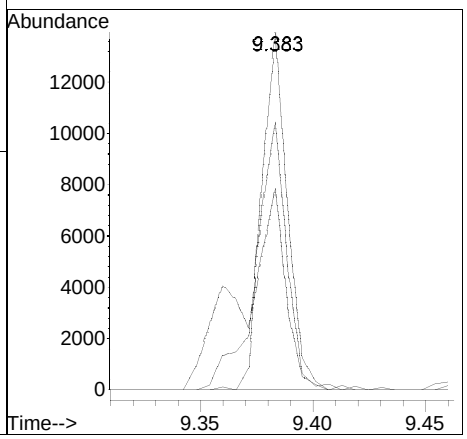


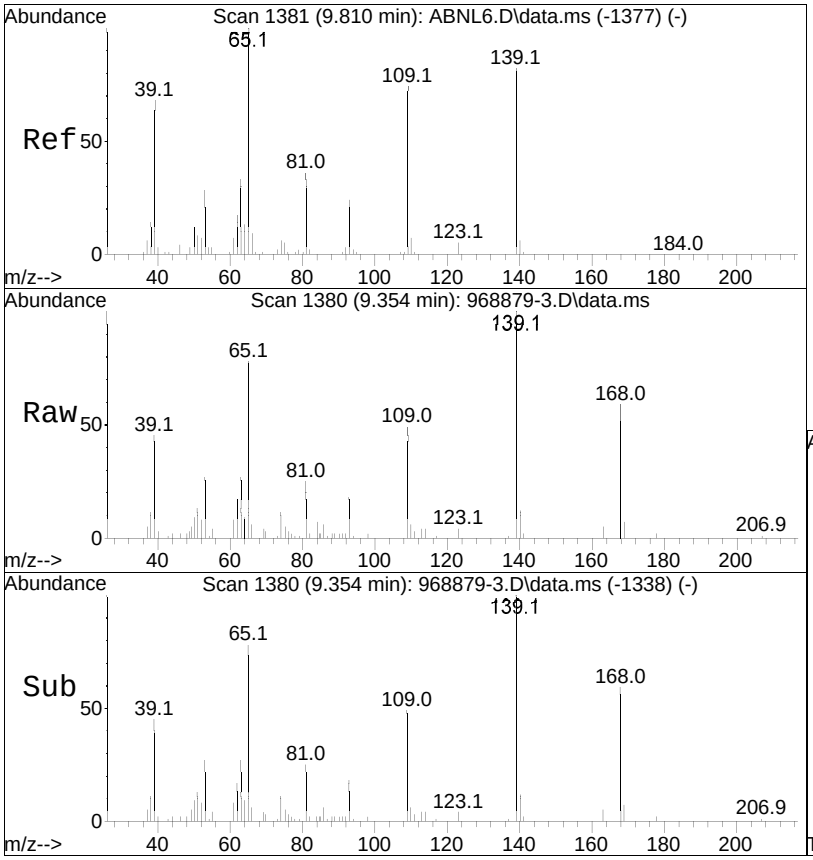


#68
2,4-Dinitrotoluene
Concen: 1.45 ug/ml
RT: 9.383 min Scan# 1385
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:165 Resp: 10987

Ion	Ratio	Lower	Upper
165	100		
89	90.3	72.0	108.0
63	96.8	52.7	79.1#

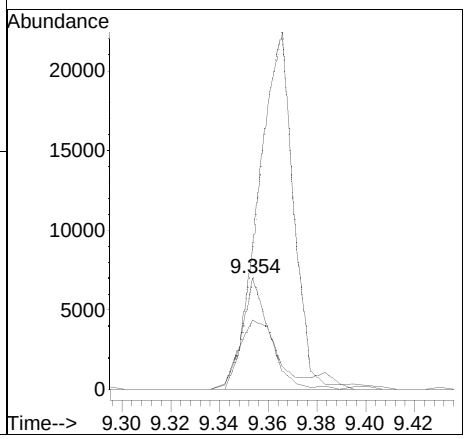


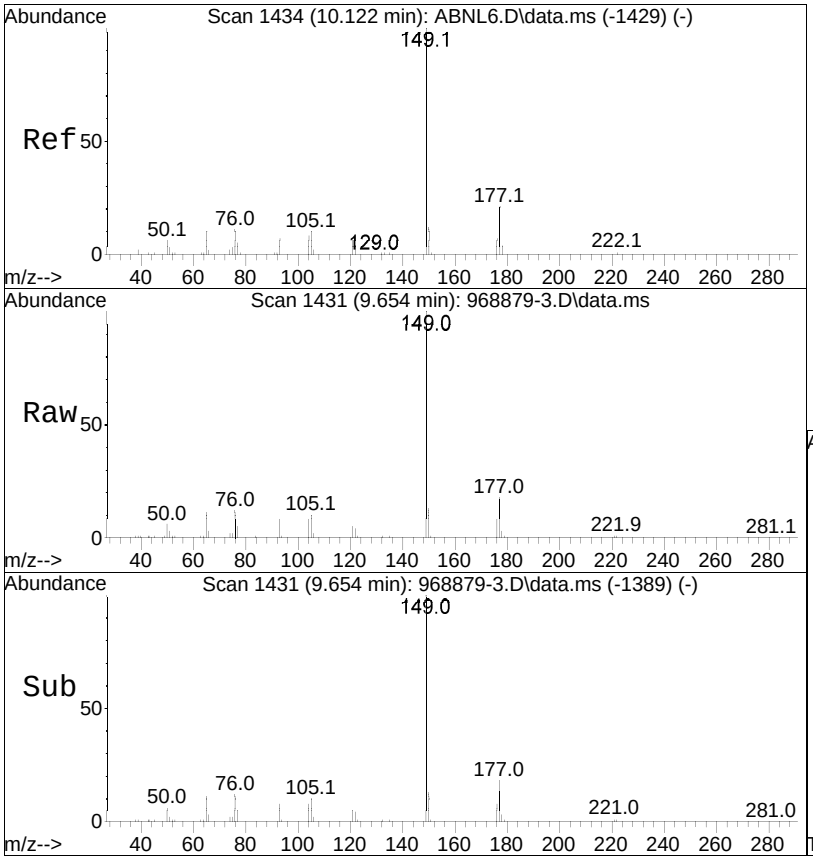


#69
4-Nitrophenol
Concen: 1.23 ug/ml
RT: 9.354 min Scan# 1380
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion: 65 Resp: 6355

Ion	Ratio	Lower	Upper
65	100		
109	73.0	47.4	71.2#
139	350.5	76.6	115.0#

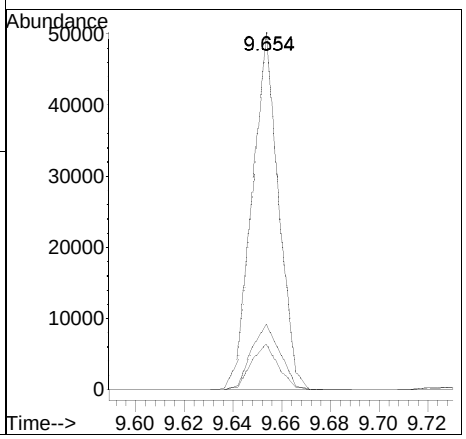


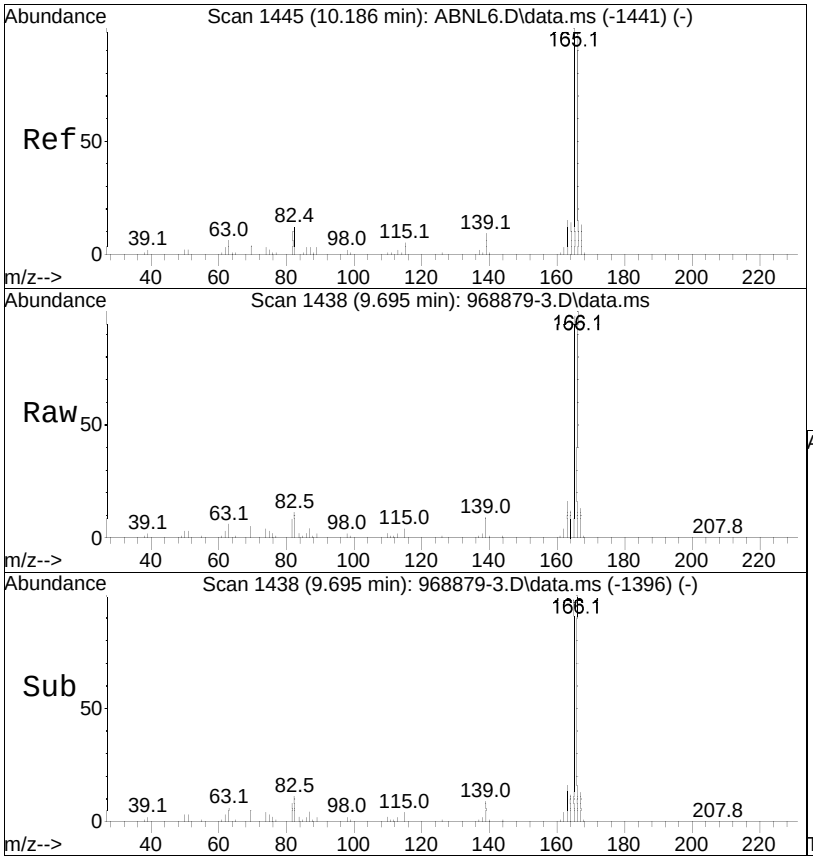


#72
Diethyl phthalate
Concen: 1.54 ug/ml
RT: 9.654 min Scan# 1431
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:149 Resp: 37476

Ion	Ratio	Lower	Upper
149	100		
177	20.2	16.1	24.1
150	13.4	9.4	14.2

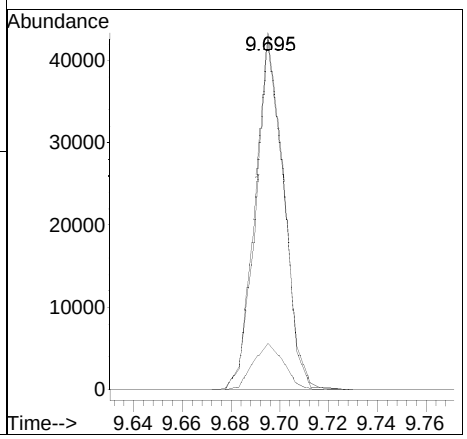


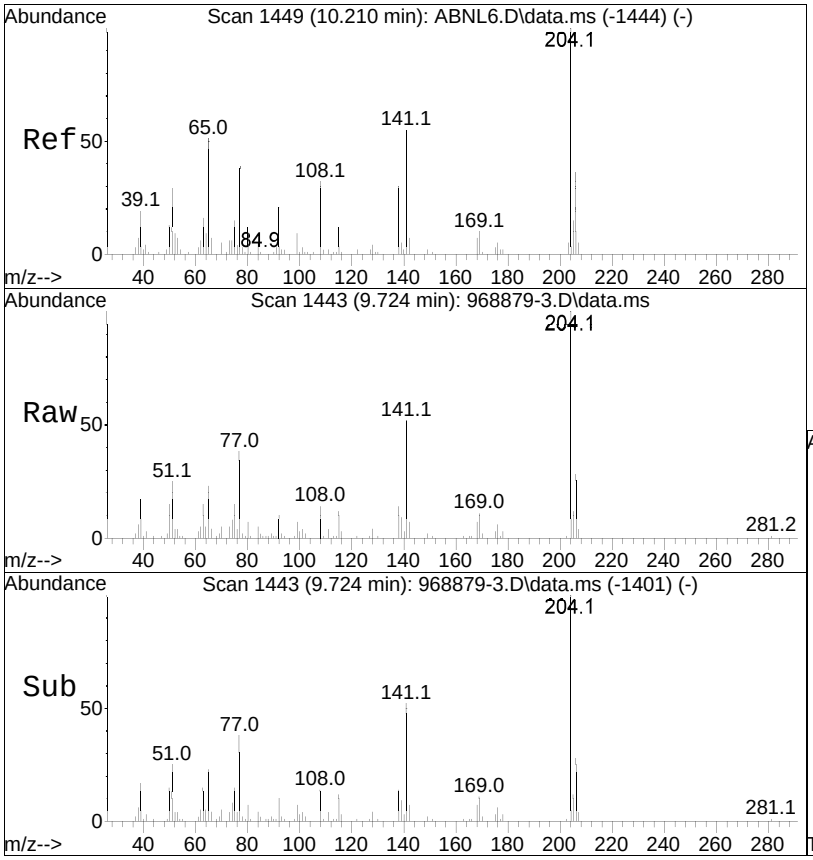


#73
Fluorene
Concen: 1.45 ug/ml
RT: 9.695 min Scan# 1438
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:166 Resp: 35071

Ion	Ratio	Lower	Upper
166	100		
165	96.9	76.2	114.2
167	14.4	10.6	15.8

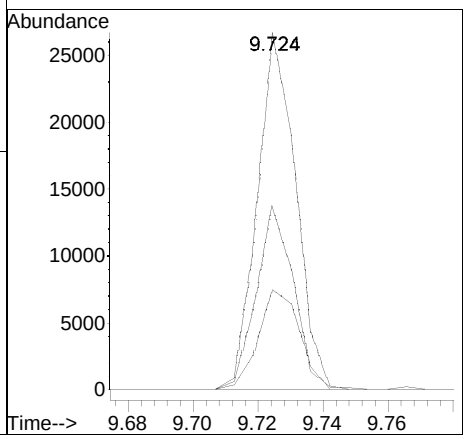


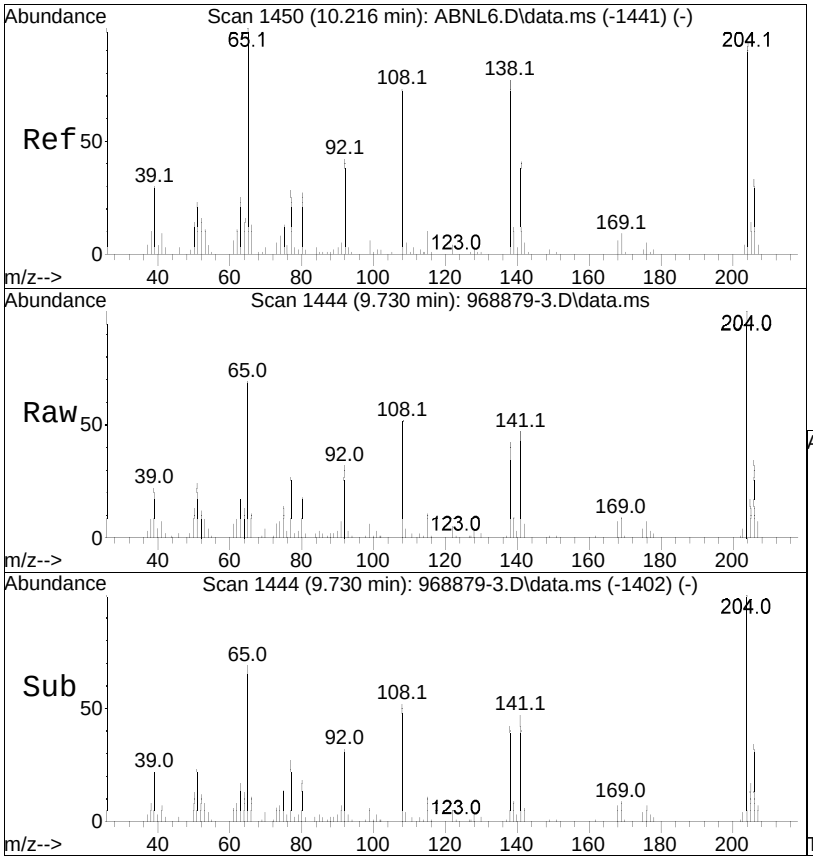


#74
4-Chlorophenyl phenyl ether
Concen: 1.70 ug/ml
RT: 9.724 min Scan# 1443
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:204 Resp: 21650

Ion	Ratio	Lower	Upper
204	100		
206	30.3	25.8	38.6
141	50.1	53.6	80.4#

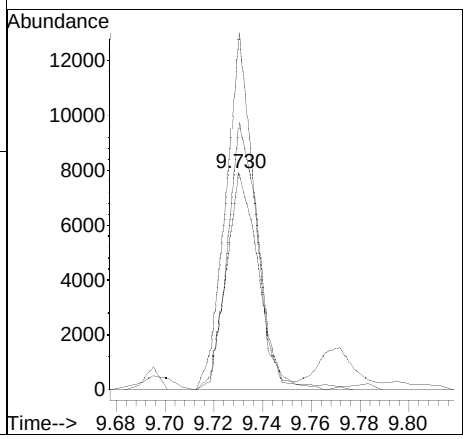


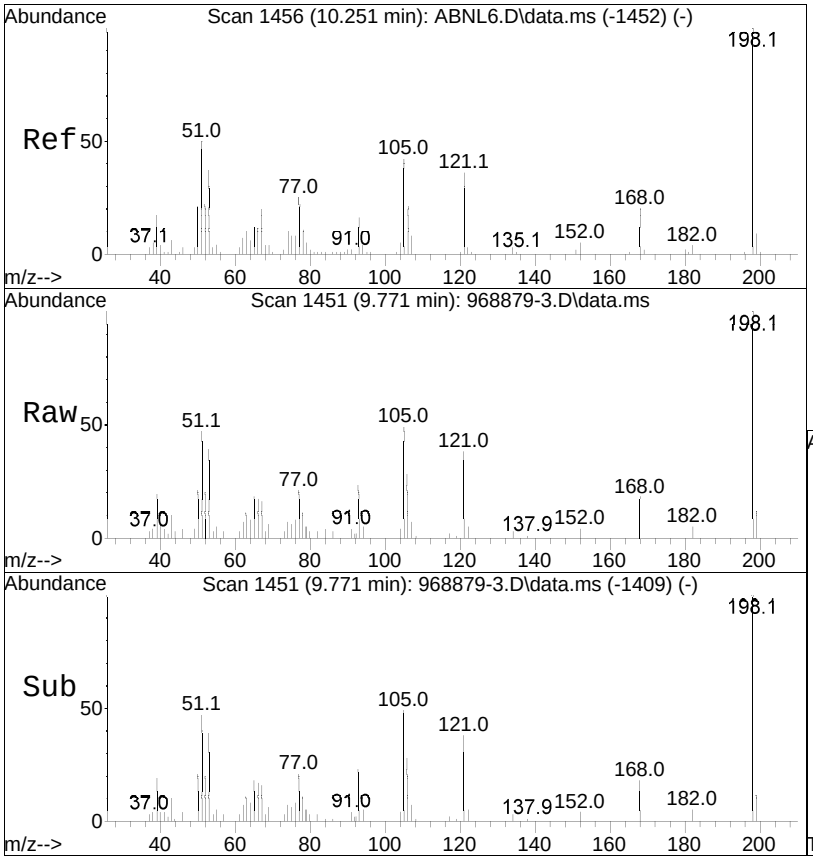


#75
4-Nitroaniline
Concen: 1.36 ug/ml
RT: 9.730 min Scan# 1444
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:138 Resp: 7190

Ion	Ratio	Lower	Upper
138	100		
108	119.5	52.1	78.1#
65	150.7	115.0	172.6

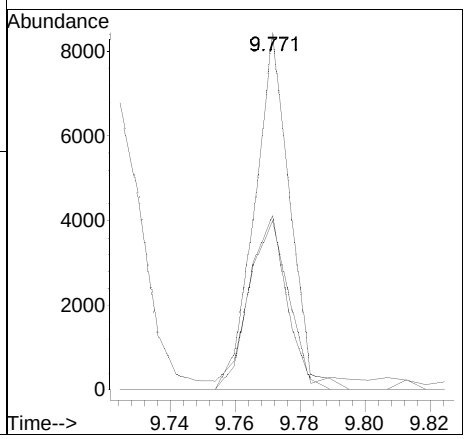


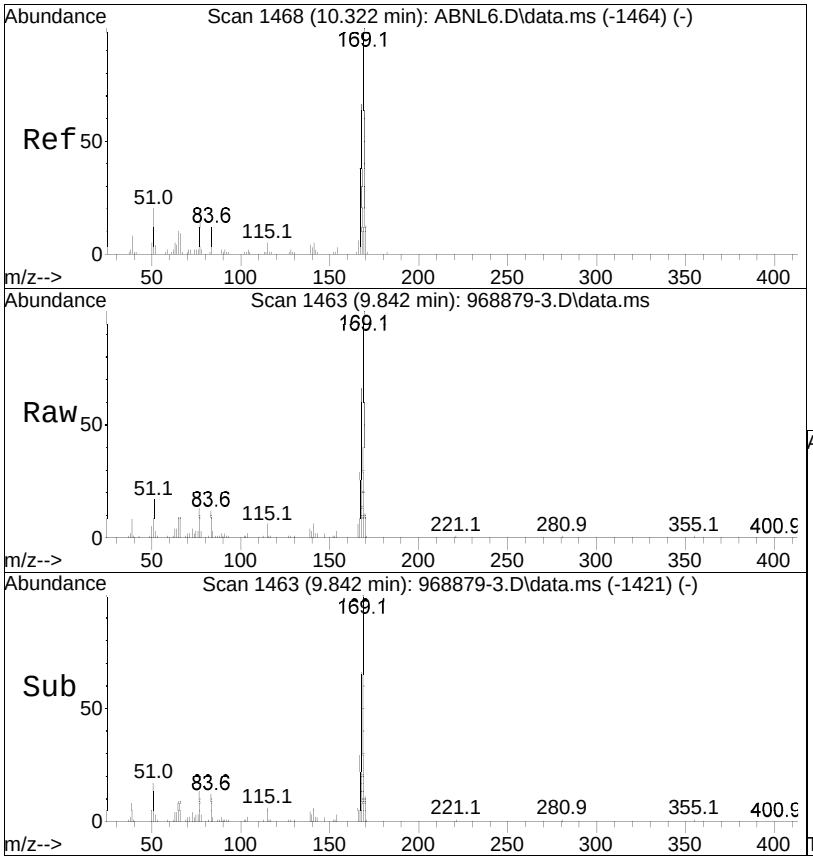


#76
4,6-Dinitro-o-cresol
Concen: 1.50 ug/ml
RT: 9.771 min Scan# 1451
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:198 Resp: 6353

Ion	Ratio	Lower	Upper
198	100		
51	56.5	76.0	114.0#
105	52.1	45.6	68.4

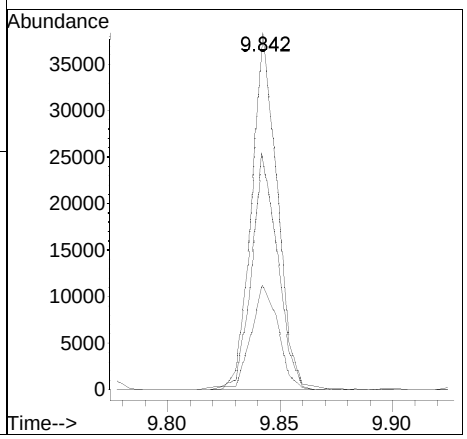


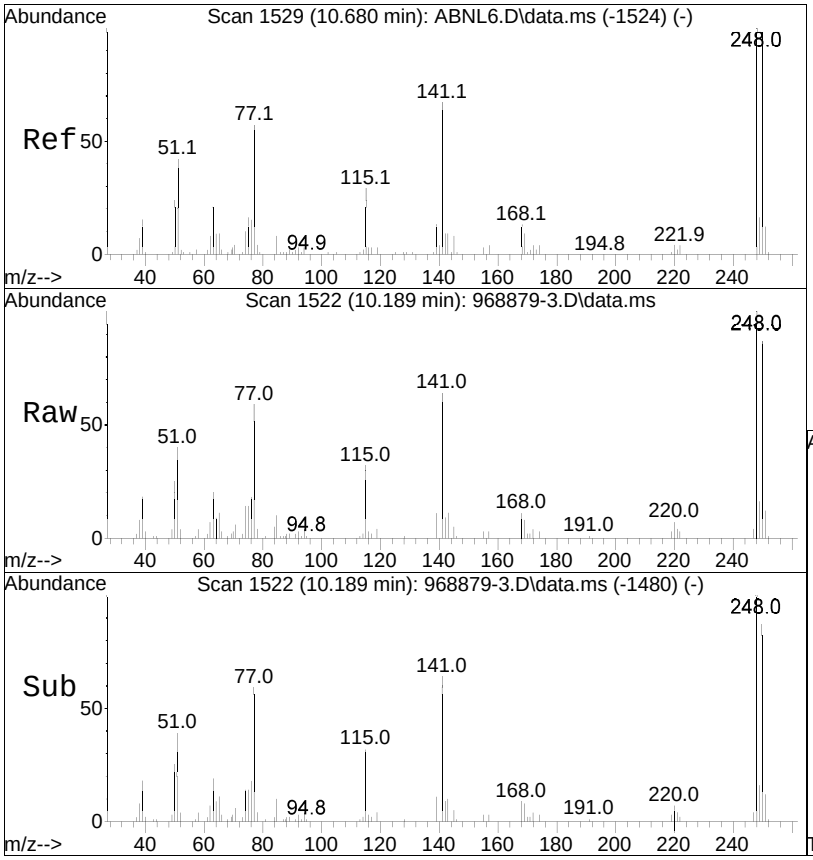


#77
NDPA/DPA
Concen: 1.51 ug/ml
RT: 9.842 min Scan# 1463
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:169 Resp: 30403

Ion	Ratio	Lower	Upper
169	100		
168	67.5	54.0	81.0
167	31.2	28.6	42.8

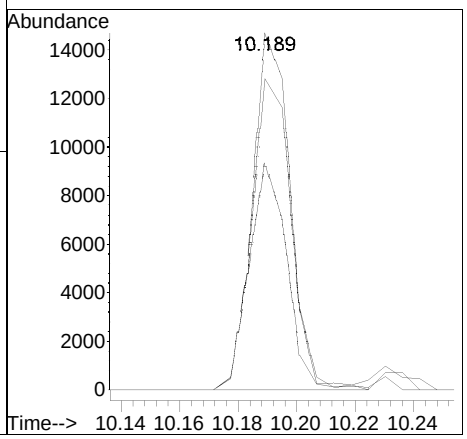


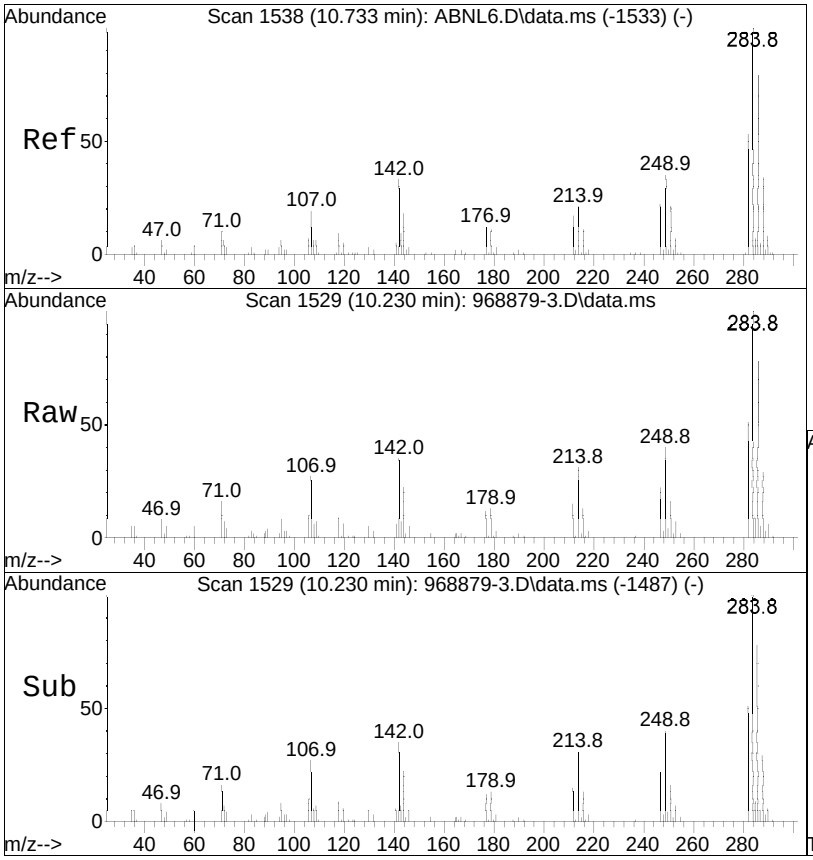


#80
4-Bromophenyl phenyl ether
Concen: 1.64 ug/ml
RT: 10.189 min Scan# 1522
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:248 Resp: 13084

Ion	Ratio	Lower	Upper
248	100		
141	63.3	76.6	114.8#
250	91.0	77.3	115.9

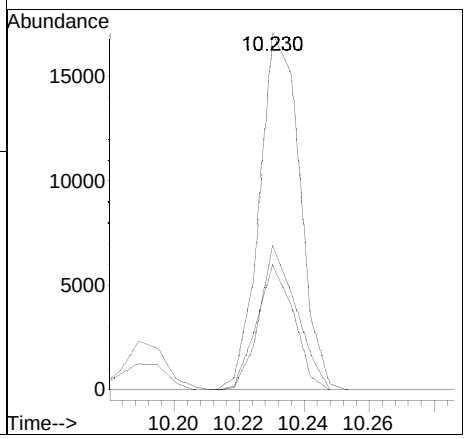


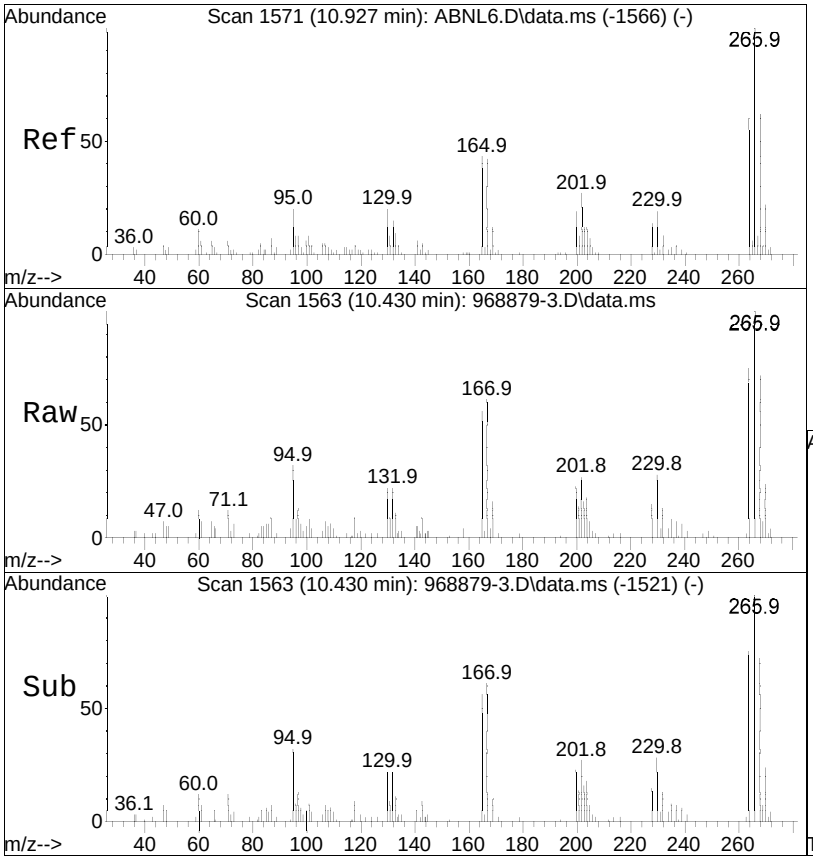


#81
Hexachlorobenzene
Concen: 1.63 ug/ml
RT: 10.230 min Scan# 1529
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:284 Resp: 14718

Ion	Ratio	Lower	Upper
284	100		
142	32.4	41.9	62.9#
249	37.0	24.1	36.1#

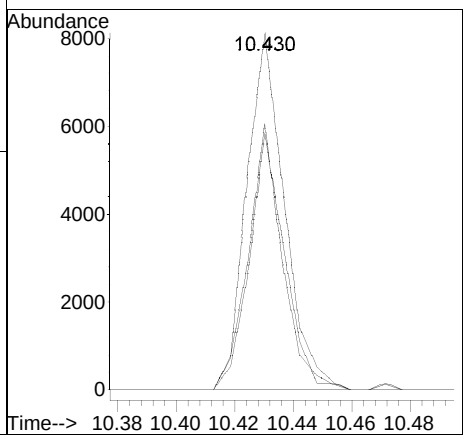


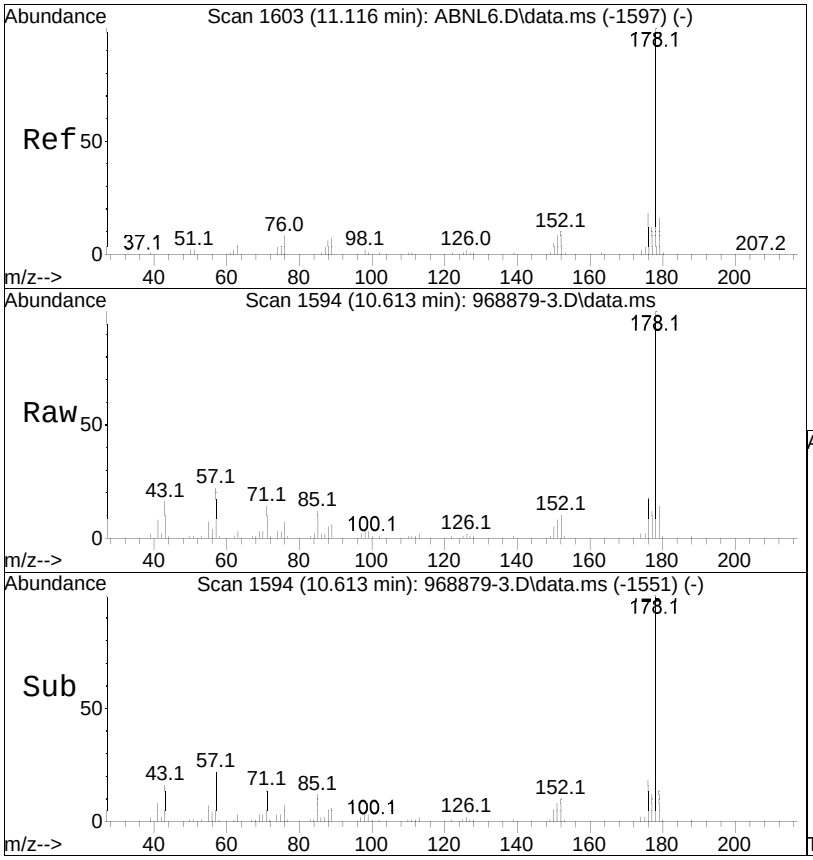


#82
Pentachlorophenol
Concen: 1.26 ug/ml
RT: 10.430 min Scan# 1563
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:266 Resp: 7244

Ion	Ratio	Lower	Upper
266	100		
264	67.6	49.7	74.5
268	67.4	50.5	75.7

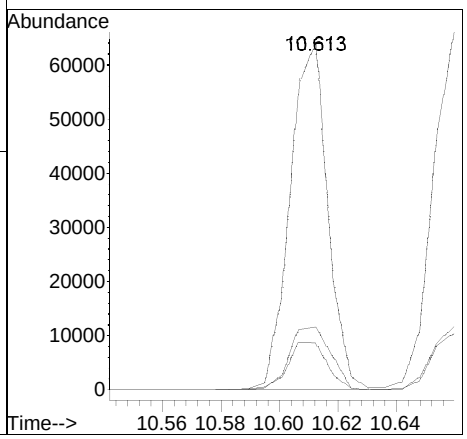


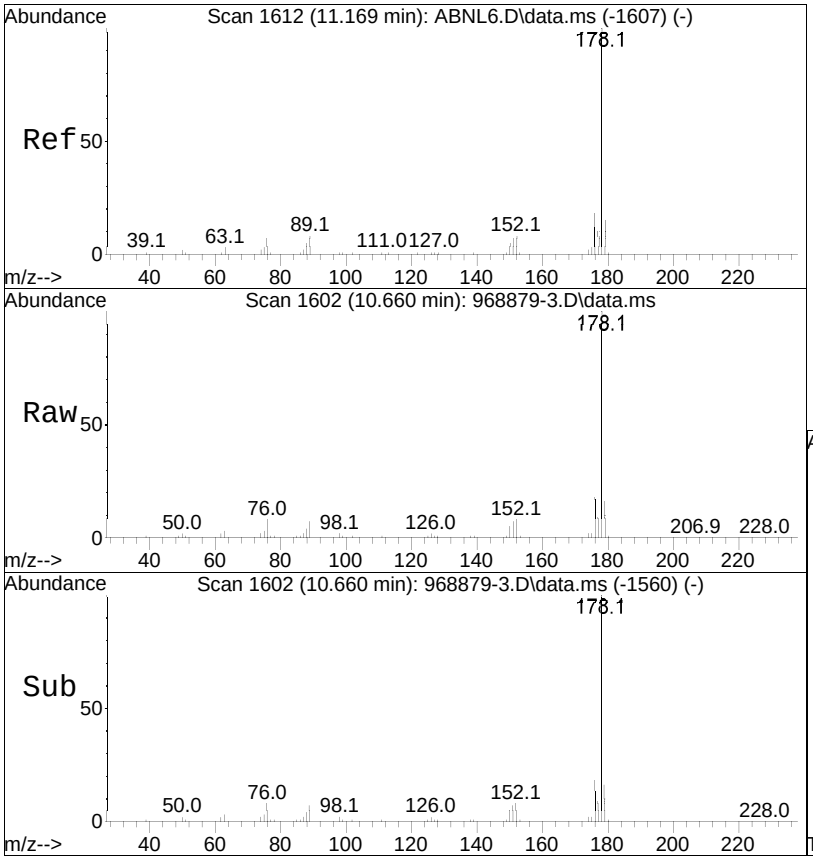


#89
Phenanthrene
Concen: 1.60 ug/ml
RT: 10.613 min Scan# 1594
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:178 Resp: 57201

Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.2	18.2
176	19.9	15.4	23.2

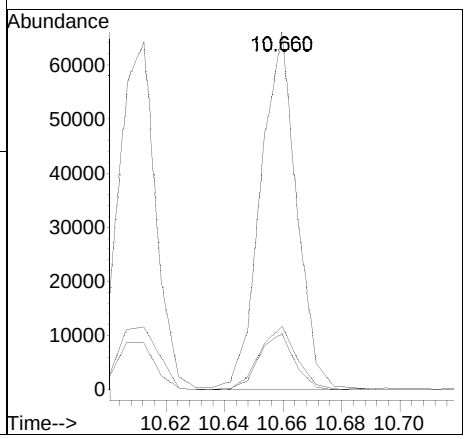


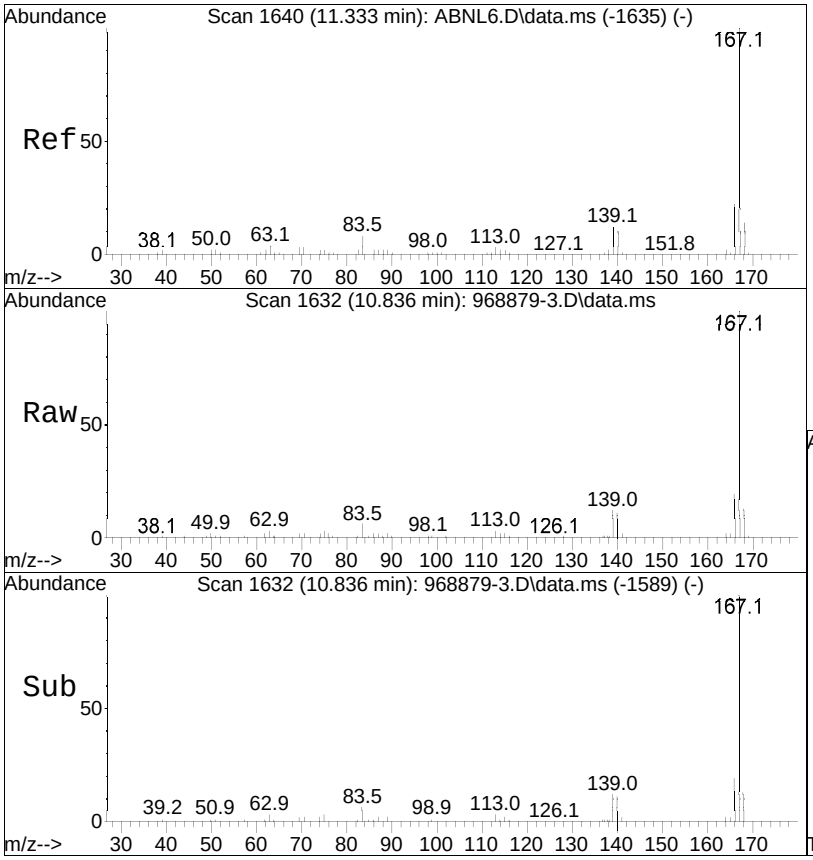


#90
Anthracene
Concen: 1.58 ug/ml
RT: 10.660 min Scan# 1602
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:178 Resp: 56242

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.4	14.6	22.0

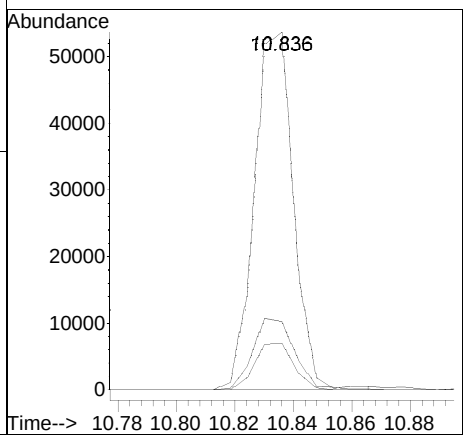


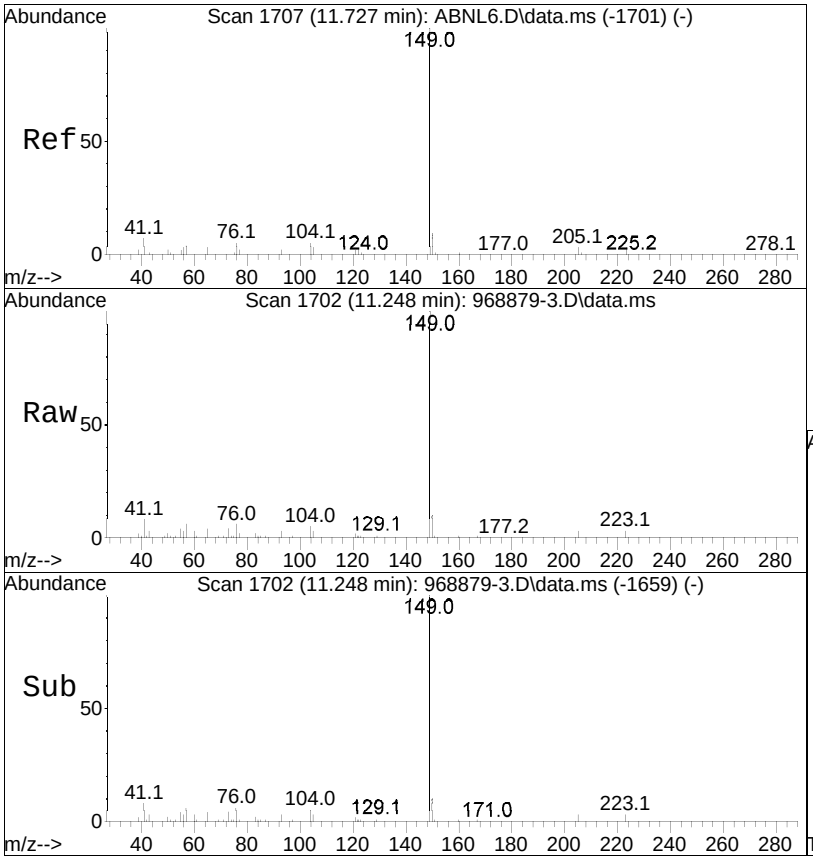


#91
Carbazole
Concen: 1.52 ug/ml
RT: 10.836 min Scan# 1632
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:167 Resp: 49322

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	21.5	17.4	26.0

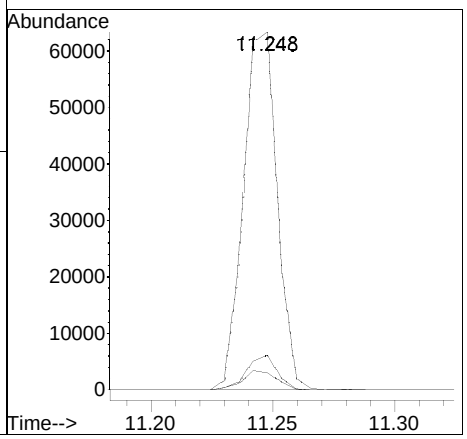


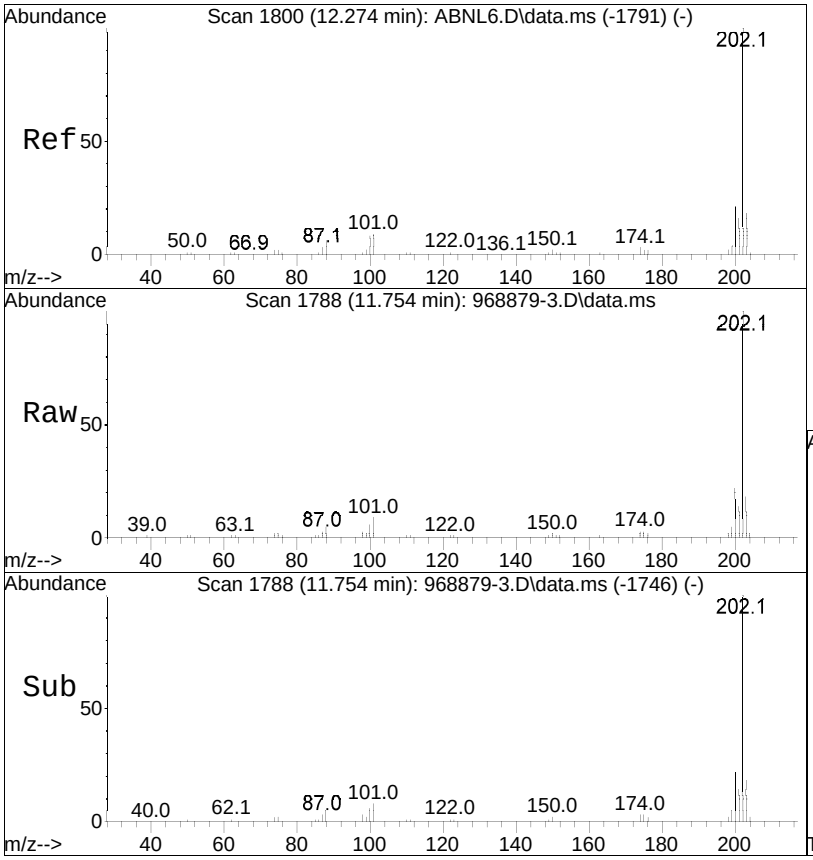


#92
Di-n-butylphthalate
Concen: 1.58 ug/ml
RT: 11.248 min Scan# 1702
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:149 Resp: 60361

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.5	6.7

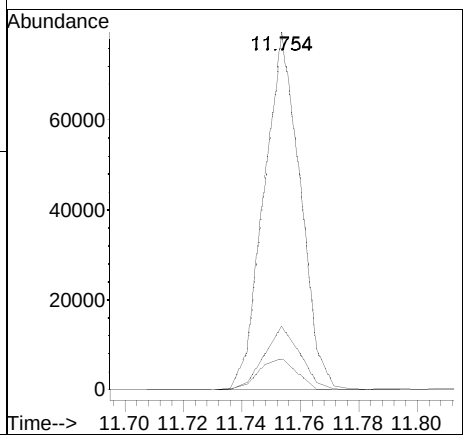


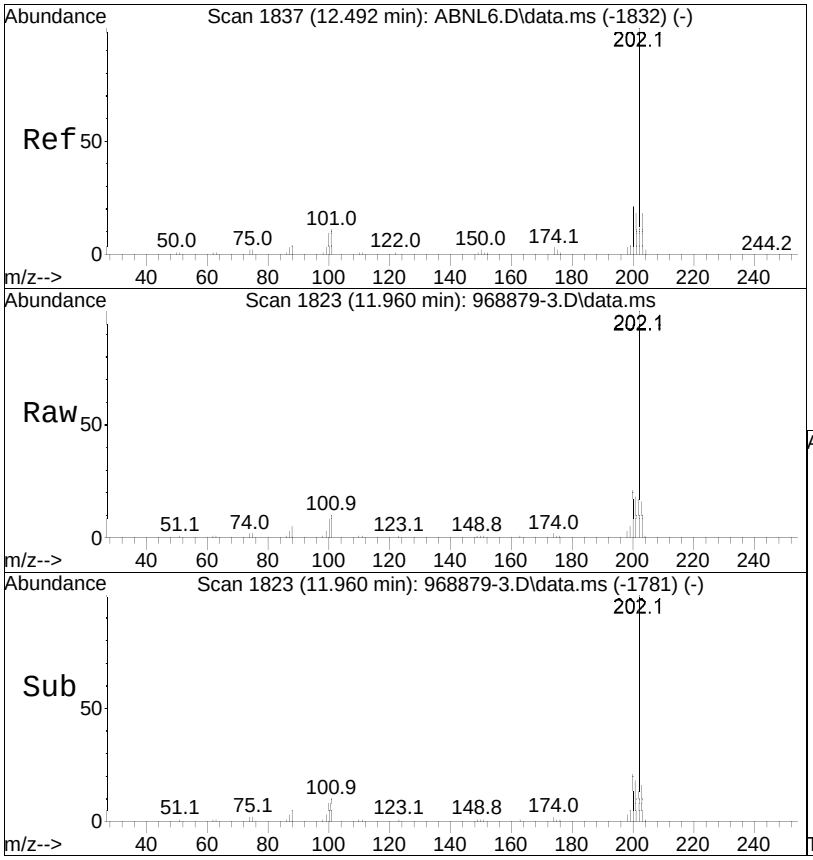


#93
Fluoranthene
Concen: 1.56 ug/ml
RT: 11.754 min Scan# 1788
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:202 Resp: 67894

Ion	Ratio	Lower	Upper
202	100		
101	9.2	13.5	20.3#
203	17.7	13.6	20.4

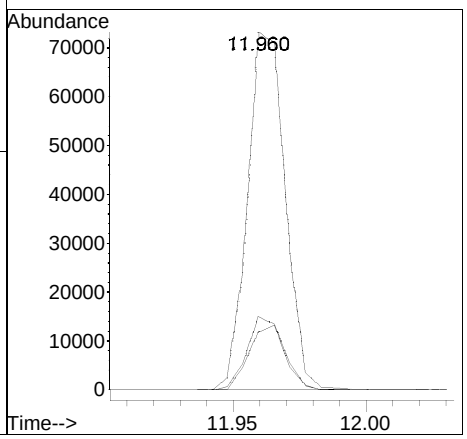


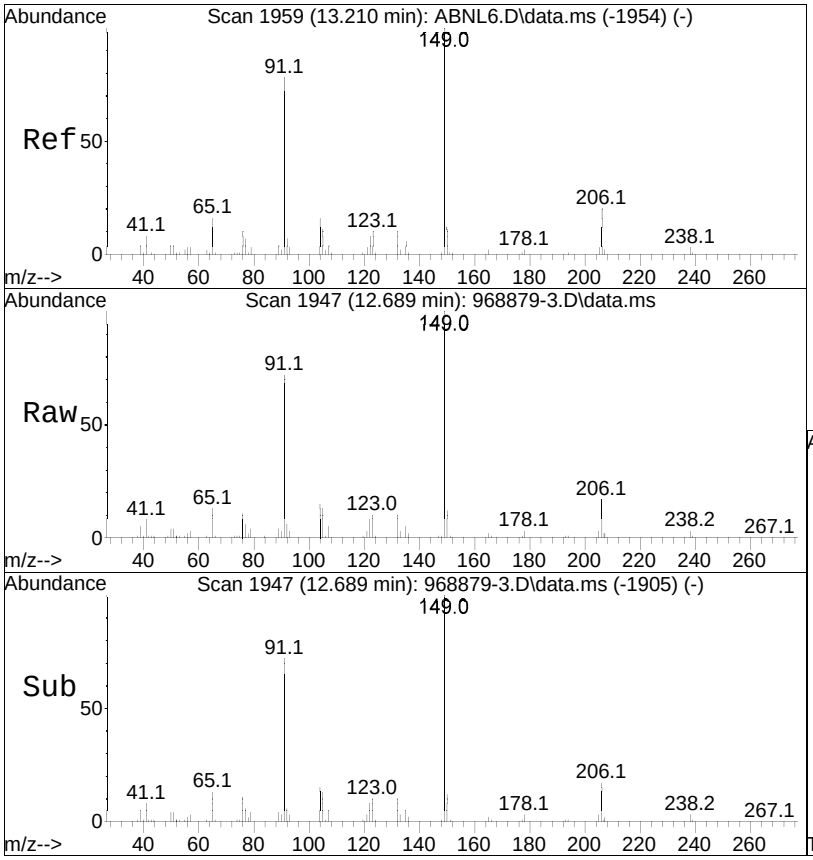


#95
Pyrene
Concen: 1.56 ug/ml
RT: 11.960 min Scan# 1823
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:202 Resp: 71559

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.7	25.1
203	17.8	14.2	21.4

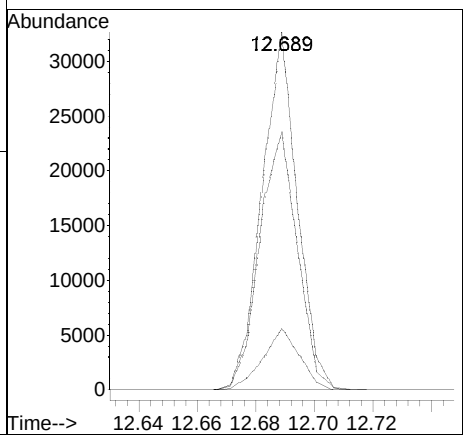


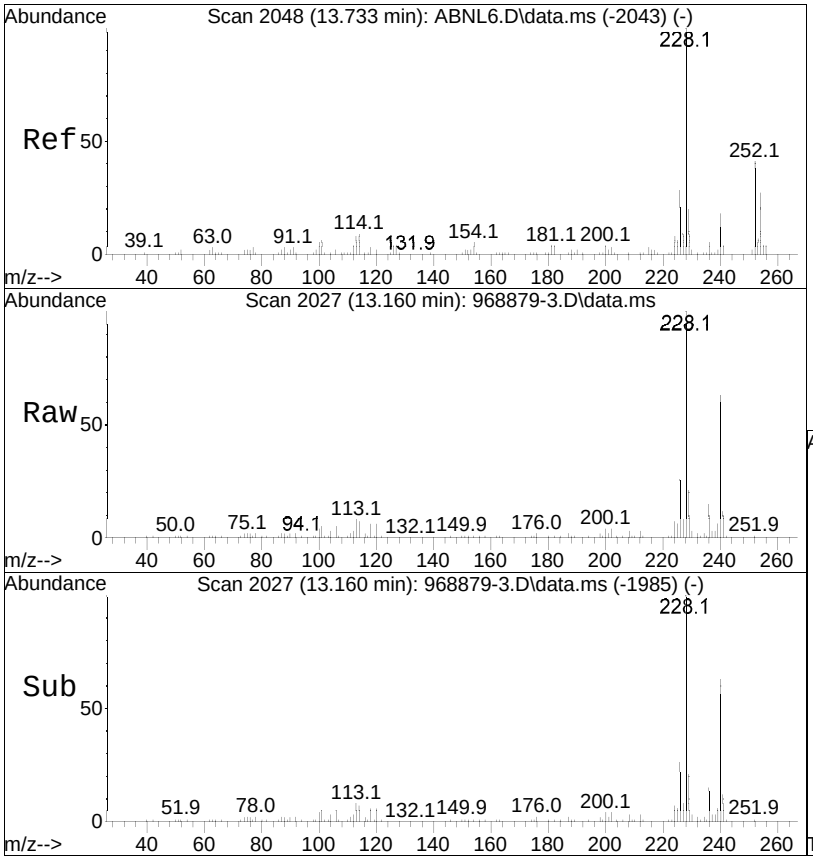


#97
Butyl benzyl phthalate
Concen: 1.55 ug/ml
RT: 12.689 min Scan# 1947
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:149 Resp: 27179

Ion	Ratio	Lower	Upper
149	100		
91	77.0	63.3	94.9
206	18.0	13.9	20.9

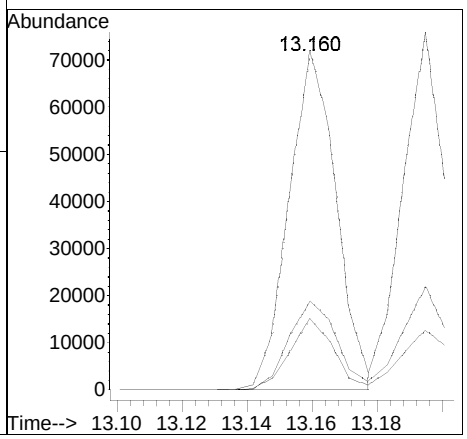


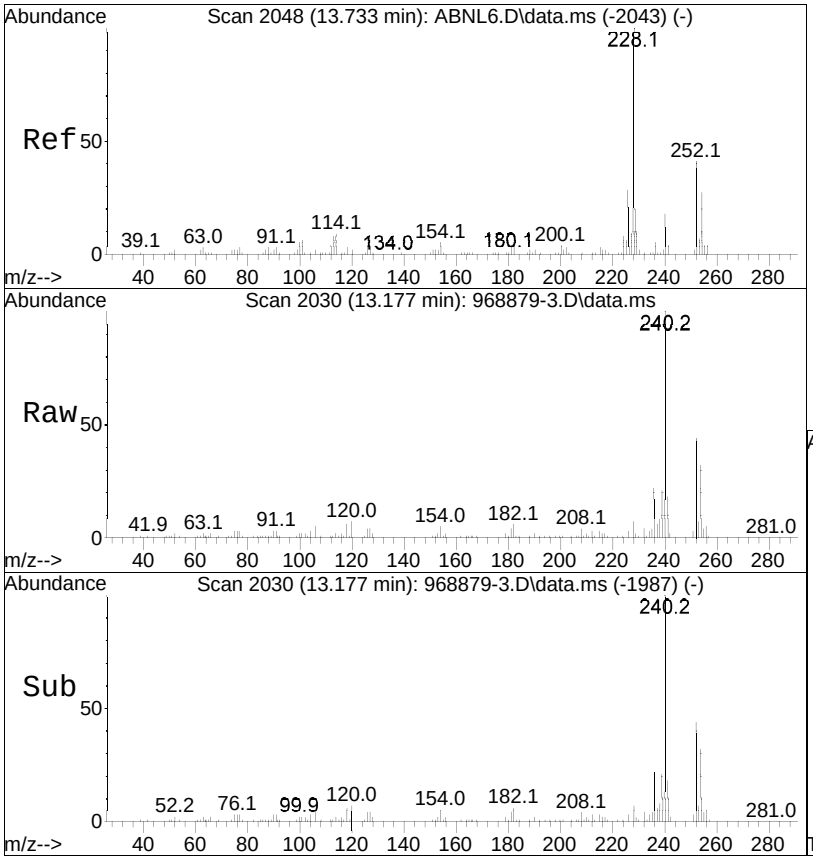


#105
Benzo(a)anthracene
Concen: 1.44 ug/ml
RT: 13.160 min Scan# 2027
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:228 Resp: 72472

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.4
229	19.7	15.6	23.4

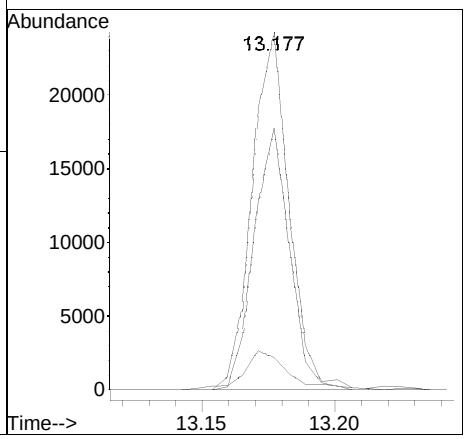


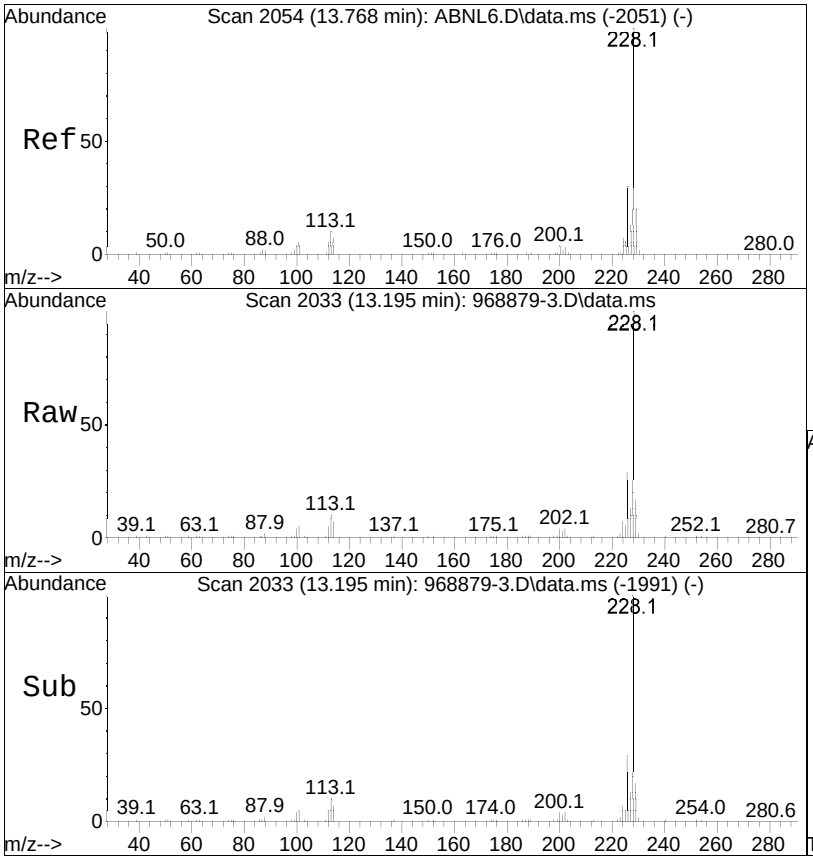


#106
3,3'-Dichlorobenzidine
Concen: 1.40 ug/ml
RT: 13.177 min Scan# 2030
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:252 Resp: 23302

Ion	Ratio	Lower	Upper
252	100		
126	13.1	14.5	21.7#
254	70.8	51.2	76.8

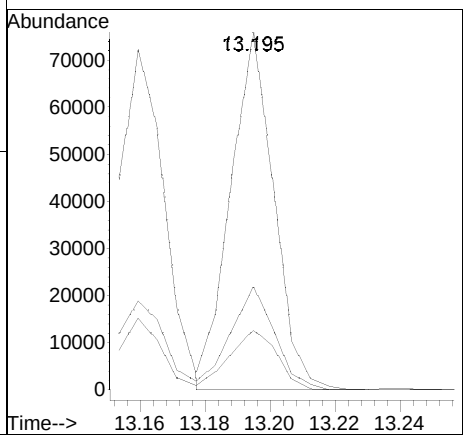


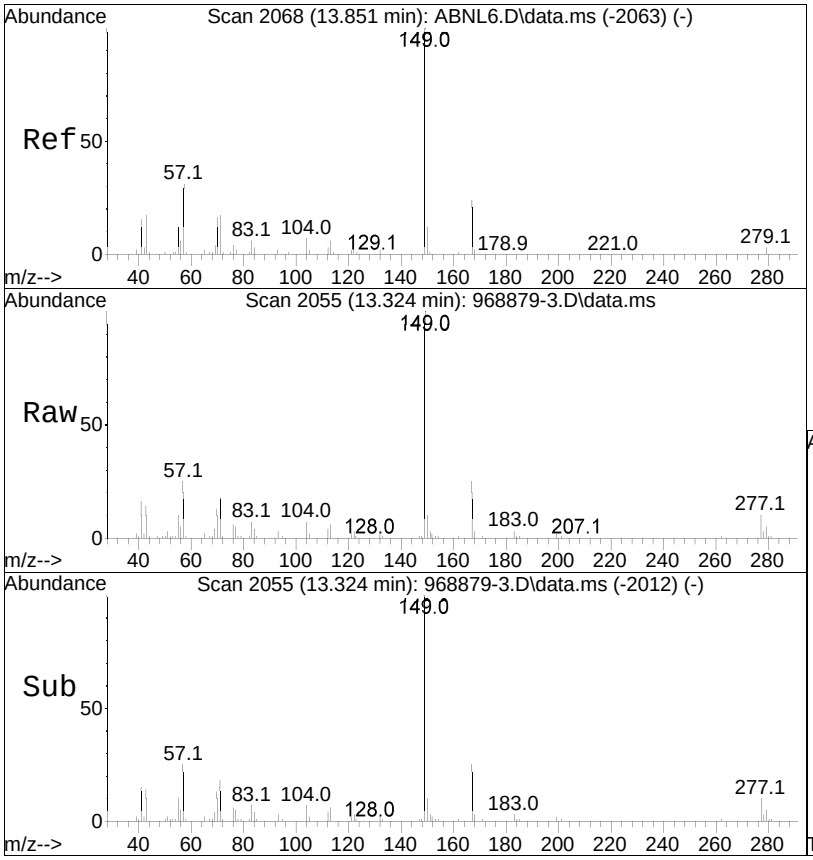


#107
Chrysene
Concen: 1.45 ug/ml
RT: 13.195 min Scan# 2033
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:228 Resp: 70357

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	18.5	15.8	23.8

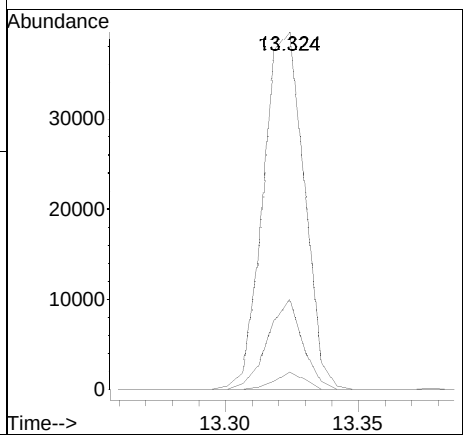


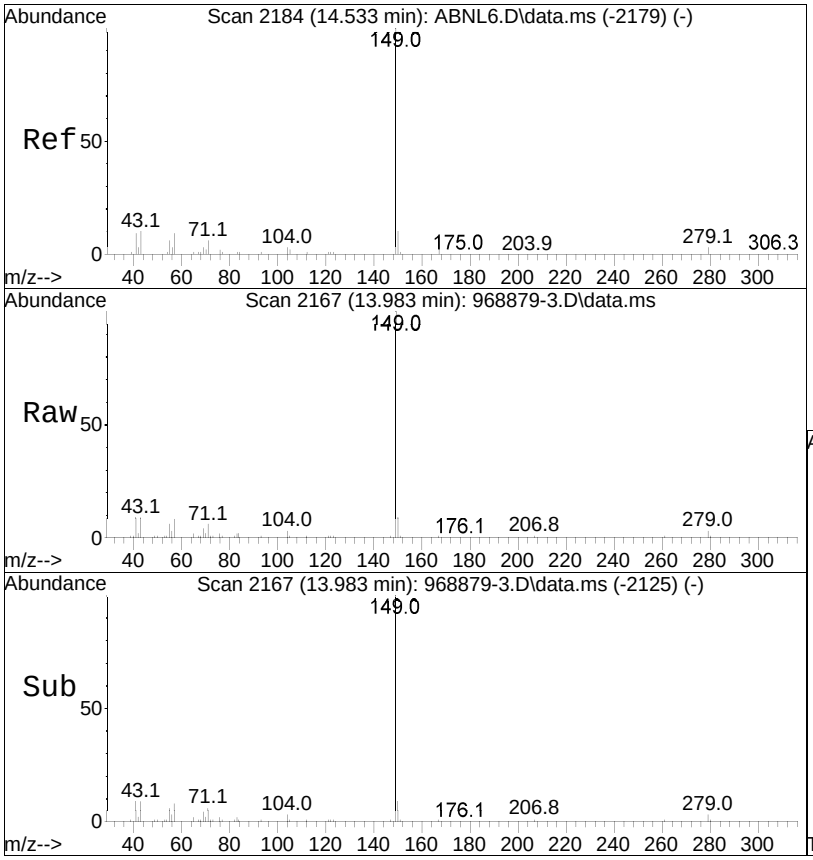


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.51 ug/ml
RT: 13.324 min Scan# 2055
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:149 Resp: 41772

Ion	Ratio	Lower	Upper
149	100		
167	21.8	22.1	33.1#
279	3.5	3.0	4.4

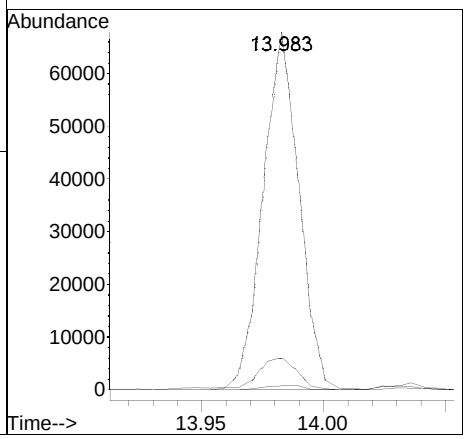


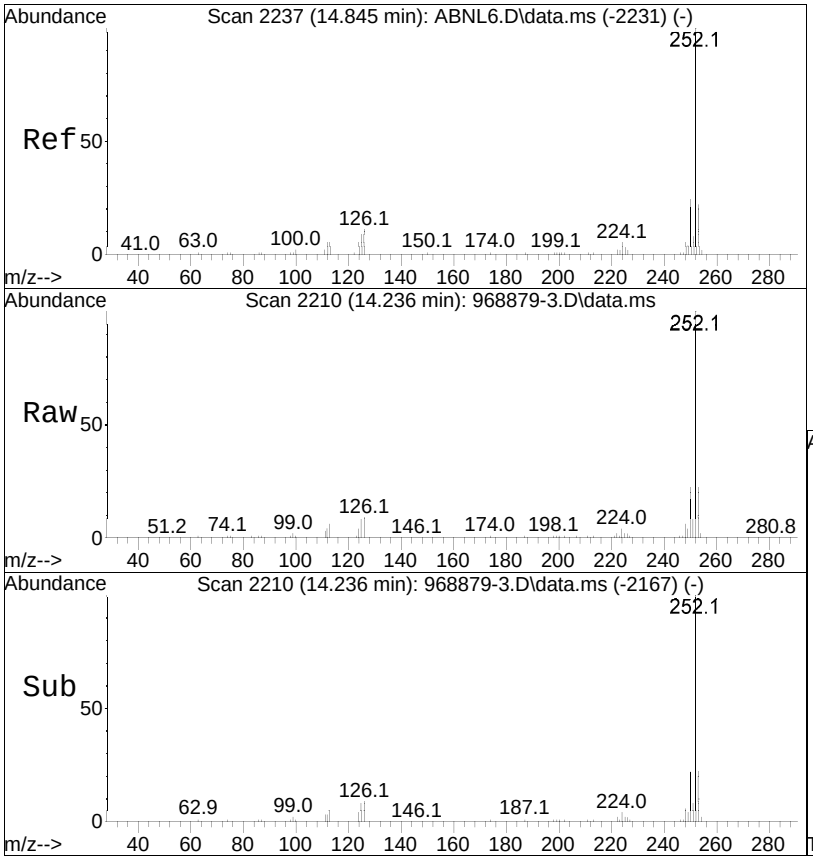


#109
Di-n-octylphthalate
Concen: 1.49 ug/ml
RT: 13.983 min Scan# 2167
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:149 Resp: 68403

Ion	Ratio	Lower	Upper
149	100		
43	10.6	18.8	28.2#
167	1.5	1.3	1.9

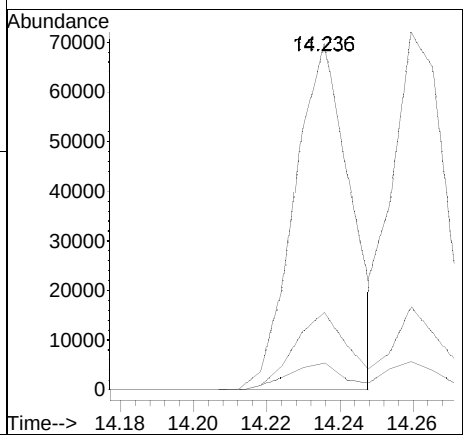


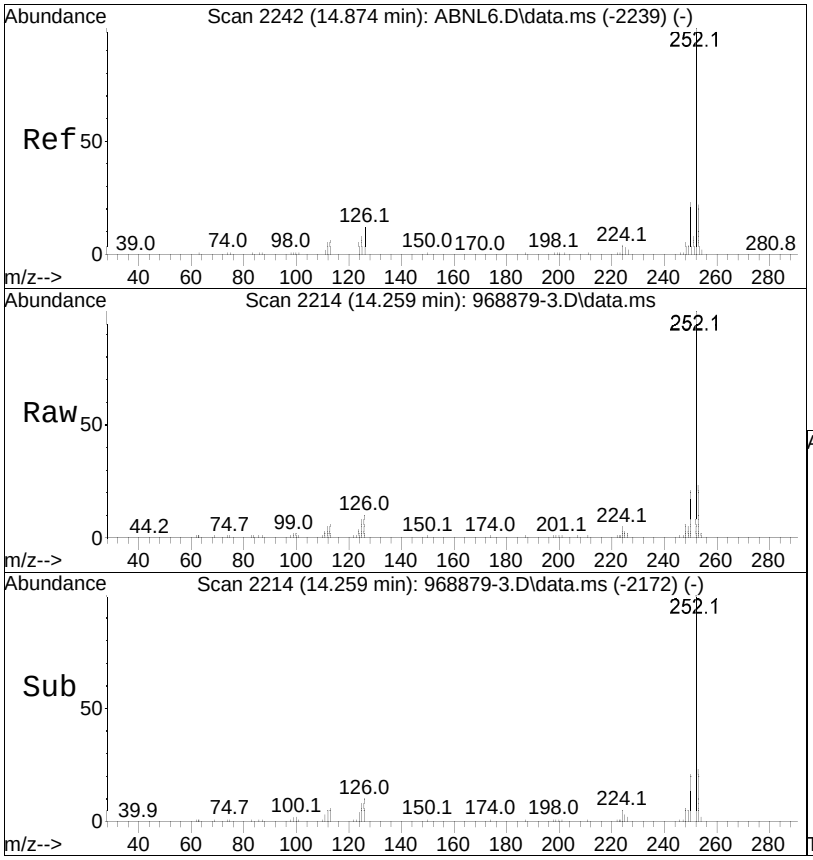


#110
Benzo(b)fluoranthene
Concen: 1.55 ug/ml
RT: 14.236 min Scan# 2210
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:252 Resp: 75218

Ion	Ratio	Lower	Upper
252	100		
125	7.9	13.3	19.9#
253	21.8	17.1	25.7

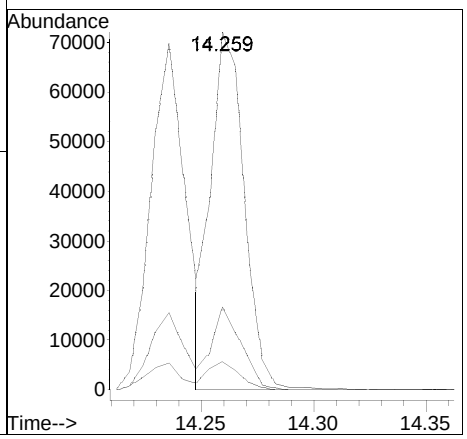


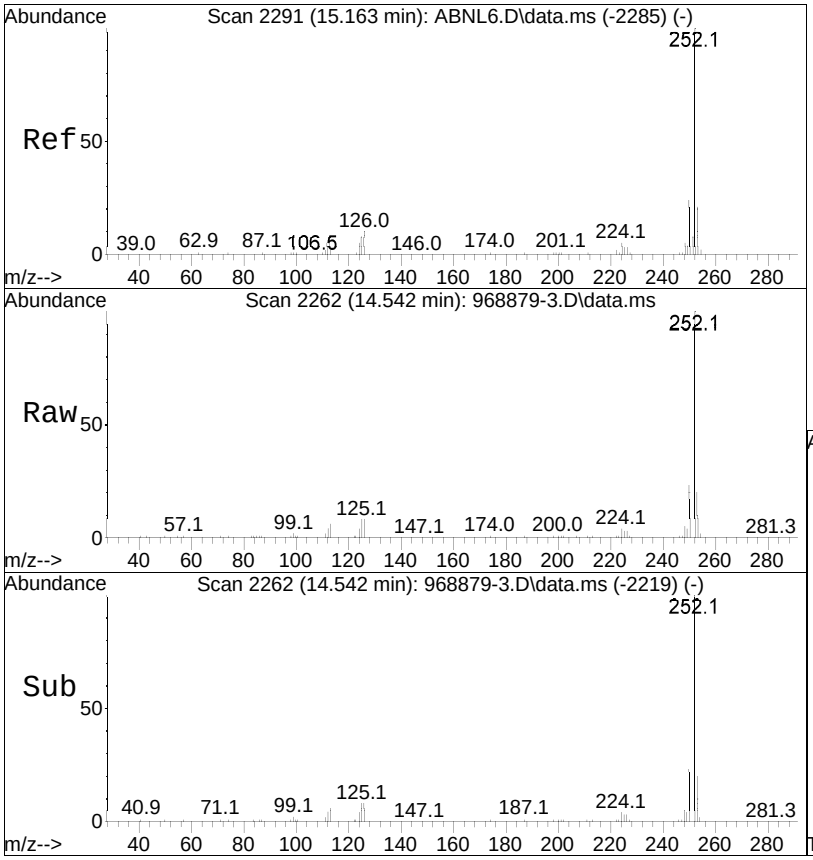


#111
Benzo(k)fluoranthene
Concen: 1.60 ug/ml
RT: 14.259 min Scan# 2214
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:252 Resp: 73760

Ion	Ratio	Lower	Upper
252	100		
125	7.5	13.0	19.6#
253	20.7	16.8	25.2

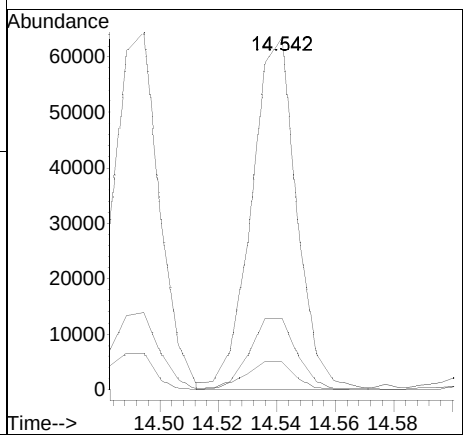


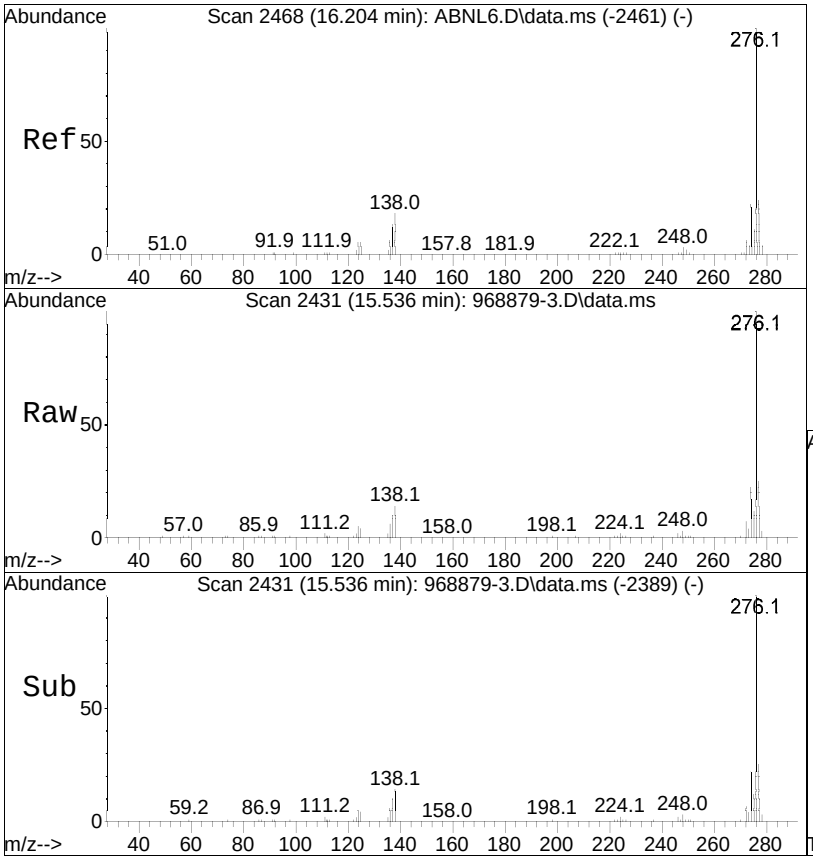


#112
Benzo(a)pyrene
Concen: 1.62 ug/ml
RT: 14.542 min Scan# 2262
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:252 Resp: 68324

Ion	Ratio	Lower	Upper
252	100		
125	8.8	14.2	21.2#
253	21.6	16.9	25.3

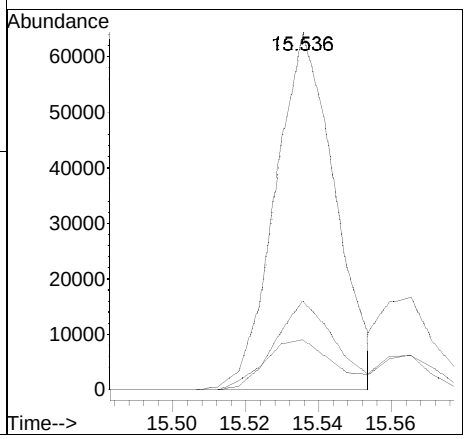


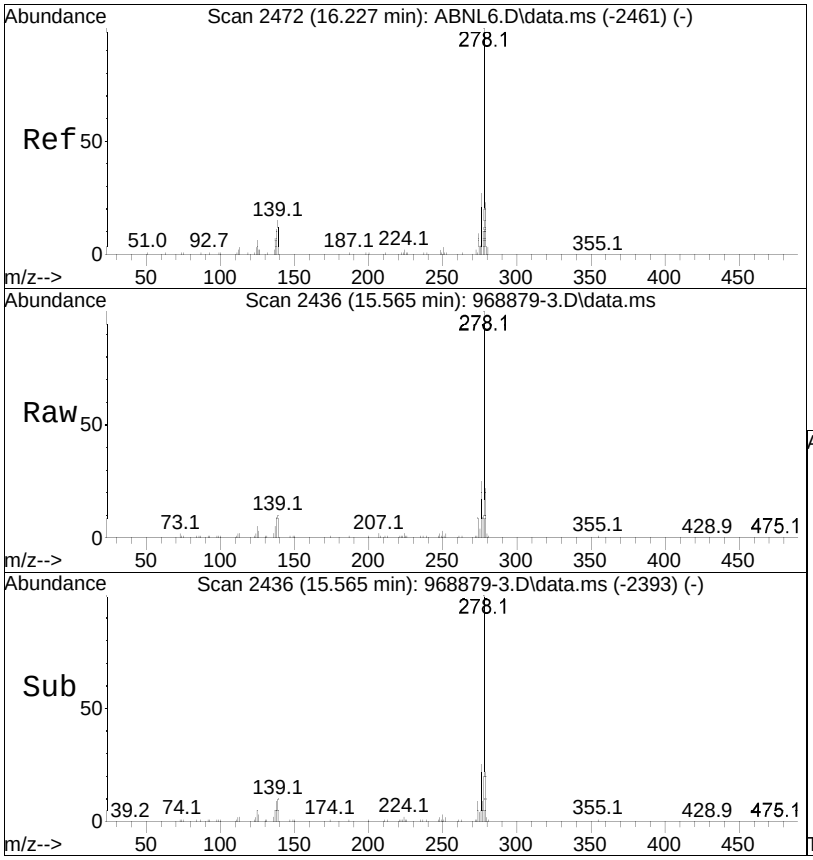


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.79 ug/mL M6
RT: 15.536 min Scan# 2431
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:276 Resp: 73792

Ion	Ratio	Lower	Upper
276	100		
138	16.9	25.1	37.7#
277	24.9	18.6	28.0

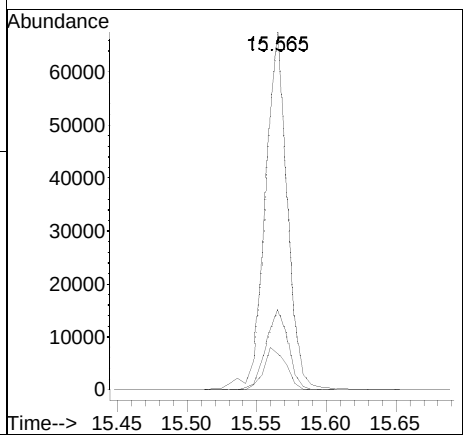


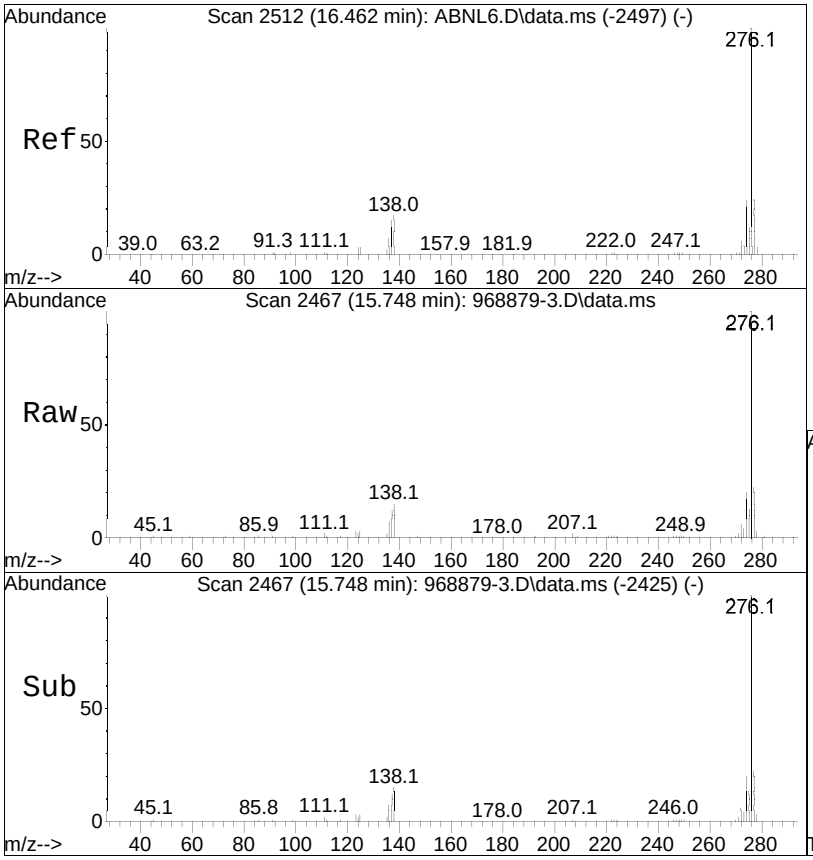


#115
Dibenzo(a,h)anthracene
Concen: 1.87 ug/ml
RT: 15.565 min Scan# 2436
Delta R.T. 0.006 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:278 Resp: 74189

Ion	Ratio	Lower	Upper
278	100		
139	12.0	20.8	31.2#
279	23.1	18.3	27.5

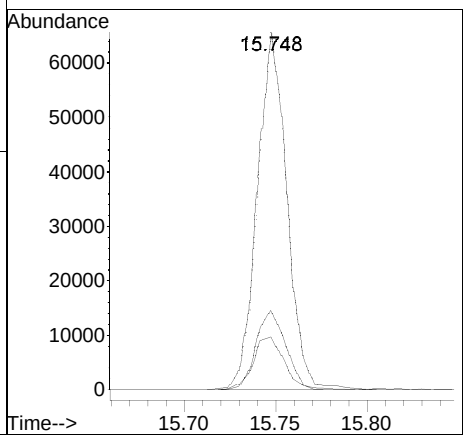




#116
Benzo(ghi)perylene
Concen: 1.99 ug/ml
RT: 15.748 min Scan# 2467
Delta R.T. -0.000 min
Lab File: 968879-3.D
Acq: 10 Sep 2024 3:38 am

Tgt Ion:276 Resp: 72942

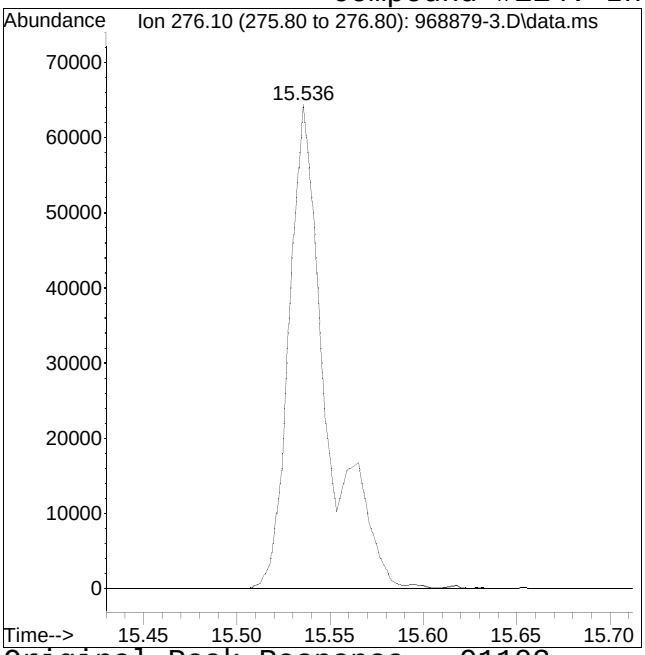
Ion	Ratio	Lower	Upper
276	100		
138	15.6	29.2	43.8#
277	22.8	18.8	28.2



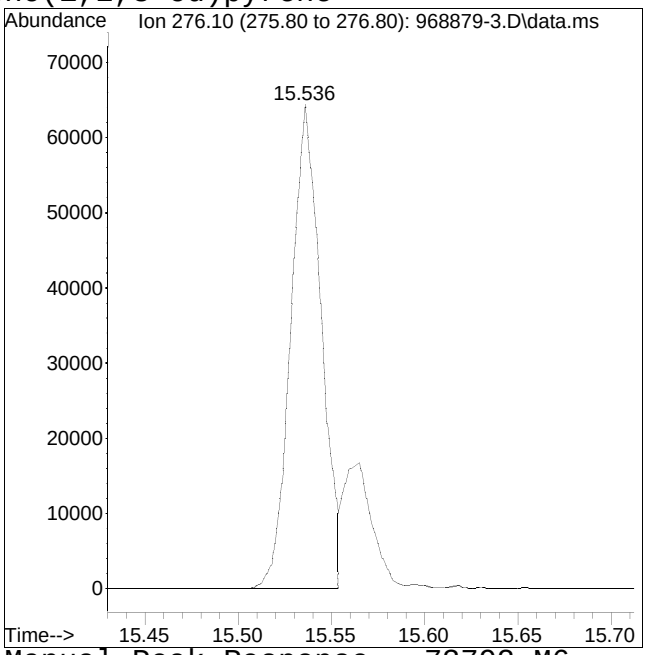
Manual Integration Report

Data Path	: I:\8270\SV106\240909NRVT\	QMethod	: FS240624SV106.m
Data File	: 968879-3.D	Operator	: SV106:smz
Date Inj'd	: 9/10/2024 3:38 am	Instrument	: SV 106
Sample	: WG1968879-3,32,,ASK	Quant Date	: 9/10/2024 3:57 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 91103



Manual Peak Response = 73792 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-4.D
Acq On : 09 Sep 2024 10:02 pm
Operator : SV112:smz
Sample : WG1968975-4,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 09:54:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.652	152	26836	4.000	ug/ml	0.00
Standard Area 1 = 31987			Recovery = 83.90%			
27) IS2_1,4-Dichlorobenzen...	3.652	152	26836	4.000	ug/ml	-0.02
Standard Area 3 = 30314			Recovery = 88.53%			
35) IS1_Naphthalene-d8	4.905	136	99961	4.000	ug/ml	0.00
Standard Area 1 = 122680			Recovery = 81.48%			
55) IS2_Naphthalene-d8	4.905	136	99961	4.000	ug/ml	-0.02
Standard Area 3 = 114336			Recovery = 87.43%			
63) IS1_Acenaphthene-d10	6.587	164	64034	4.000	ug/ml	0.00
Standard Area 1 = 82429			Recovery = 77.68%			
83) IS2_Acenaphthene-d10	6.587	164	64034	4.000	ug/ml	-0.02
Standard Area 3 = 74590			Recovery = 85.85%			
86) IS3_Acenaphthene-d10	6.587	164	64034	4.000	ug/ml	0.00
Standard Area 2 = 54174			Recovery = 118.20%			
88) IS1_Phenanthrene-d10	7.975	188	139433	4.000	ug/ml	0.00
Standard Area 1 = 192675			Recovery = 72.37%			
100) IS3_Phenanthrene-d10	7.975	188	139433	4.000	ug/ml	0.00
Standard Area 2 = 118445			Recovery = 117.72%			
104) IS1_Chrysene-d12	10.481	240	166878	4.000	ug/ml	# 0.00
Standard Area 1 = 210015			Recovery = 79.46%			
113) IS1_Perylene-d12	11.834	264	197513	4.000	ug/ml	0.00
Standard Area 1 = 248461			Recovery = 79.49%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.269	112	3776	0.536	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.80%			
7) Phenol-d6	3.387	99	4493	0.494	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 24.70%			
19) Nitrobenzene-d5	4.222	82	5387	0.621	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.10%			
46) 2-Fluorobiphenyl	5.987	172	14764	0.653	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.30%			
79) 2,4,6-Tribromophenol	7.340	330	4625	1.125	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.25%			
96) 4-Terphenyl-d14	9.545	244	28690	0.800	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.00%			

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-4.D
Acq On : 09 Sep 2024 10:02 pm
Operator : SV112:smz
Sample : WG1968975-4,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 09:54:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.034	74	4100	0.930	ug/ml#	96
3) Pyridine	1.064	79	5104	0.730	ug/ml	86
5) Aniline	3.328	93	6368	0.524	ug/ml	98
6) 2-Chlorophenol	3.440	128	7634	0.910	ug/ml	98
8) Phenol	3.399	94	6975	0.659	ug/ml	97
9) Bis(2-chloroethyl)ether	3.434	93	9823	1.254	ug/ml#	85
10) 1,3-Dichlorobenzene	3.587	146	11064	1.093	ug/ml	93
11) 1,4-Dichlorobenzene	3.669	146	11436	1.083	ug/ml	97
12) 1,2-Dichlorobenzene	3.816	146	11391	1.151	ug/ml	95
13) Benzyl alcohol	3.846	79	8315	1.312	ug/ml	99
14) Bis(2-chloroisopropyl)...	3.999	45	12948	1.309	ug/ml#	67
15) 2-Methylphenol	4.005	108	8160	1.151	ug/ml	99
17) n-Nitrosodi-n-propylamine	4.128	70	7740	1.333	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.175	108	8566	1.110	ug/ml#	71
20) Nitrobenzene	4.240	77	10984	1.270	ug/ml	96
21) Isophorone	4.493	82	21548	1.380	ug/ml	99
22) 2-Nitrophenol	4.557	139	4175	1.084	ug/ml#	76
23) 2,4-Dimethylphenol	4.681	107	9498	1.286	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.757	93	14287	1.359	ug/ml#	96
25) 2,4-Dichlorophenol	4.810	162	8276	1.070	ug/ml	95
26) 1,2,4-Trichlorobenzene	4.869	180	10977	1.121	ug/ml	96
28) Benzaldehyde	3.193	105	8149	1.111	ug/ml	100
29) Acetophenone	4.087	105	15813	1.238	ug/ml	97
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.022	65	3061M3	1.039	ug/ml	
40) p-Chloro-m-cresol	5.552	107	9841	1.422	ug/ml	94
43) Hexachlorocyclopentadiene	5.781	237	7159	1.142	ug/ml	98
44) 2,4,6-Trichlorophenol	5.910	196	6128	0.956	ug/ml	98
45) 2,4,5-Trichlorophenol	5.940	196	7413	1.130	ug/ml	98
48) 2-Nitroaniline	6.187	138	8743	1.745	ug/ml	93
51) Dimethyl phthalate	6.410	163	35891	1.557	ug/ml	99
53) 2,6-Dinitrotoluene	6.440	165	7217	1.673	ug/ml#	81
60) Caprolactam	5.322	55	2107	0.928	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	5.775	216	14163	1.183	ug/ml	97
62) Biphenyl	6.069	154	31273	1.219	ug/ml	97
64) 3-Nitroaniline	6.587	138	7852	1.642	ug/ml#	94
66) 2,4-Dinitrophenol	6.687	184	974	0.730	ug/ml#	36

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-4.D
Acq On : 09 Sep 2024 10:02 pm
Operator : SV112:smz
Sample : WG1968975-4,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 09:54:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Dibenzofuran	6.781	168	40784	1.387	ug/ml	93
68) 2,4-Dinitrotoluene	6.816	165	10532	1.716	ug/ml#	73
69) 4-Nitrophenol	6.822	65	2497	0.539	ug/ml	87
71) 2,3,4,6-Tetrachlorophenol	6.928	232	5879	0.993	ug/ml	98
72) Diethyl phthalate	7.093	149	38213	1.606	ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.146	204	17519	1.404	ug/ml#	83
75) 4-Nitroaniline	7.157	138	8248	1.639	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.193	198	3263	1.023	ug/ml#	76
77) NDPA/DPA	7.263	169	29256	1.485	ug/ml	96
78) Azobenzene	7.293	77	30380M6	1.454	ug/ml	
80) 4-Bromophenyl phenyl e...	7.604	248	12119	1.516	ug/ml#	84
85) Pentachloronitrobenzene	7.846	237	6215	1.654	ug/ml#	80
87) Atrazine	7.816	200	11668	1.652	ug/ml#	91
91) Carbazole	8.228	167	55955	1.693	ug/ml	99
92) Di-n-butylphthalate	8.663	149	68045	1.888	ug/ml	99
94) Benzidine	9.304	184	11473	0.488	ug/ml	97
97) Butyl benzyl phthalate	10.069	149	33221	2.083	ug/ml	92
102) Parathion	8.798	109	7261	2.440	ug/ml#	91
106) 3,3'-Dichlorobenzidine	10.504	252	30653	1.570	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.681	149	51448	1.931	ug/ml	100
109) Di-n-octylphthalate	11.316	149	85791	2.101	ug/ml#	93

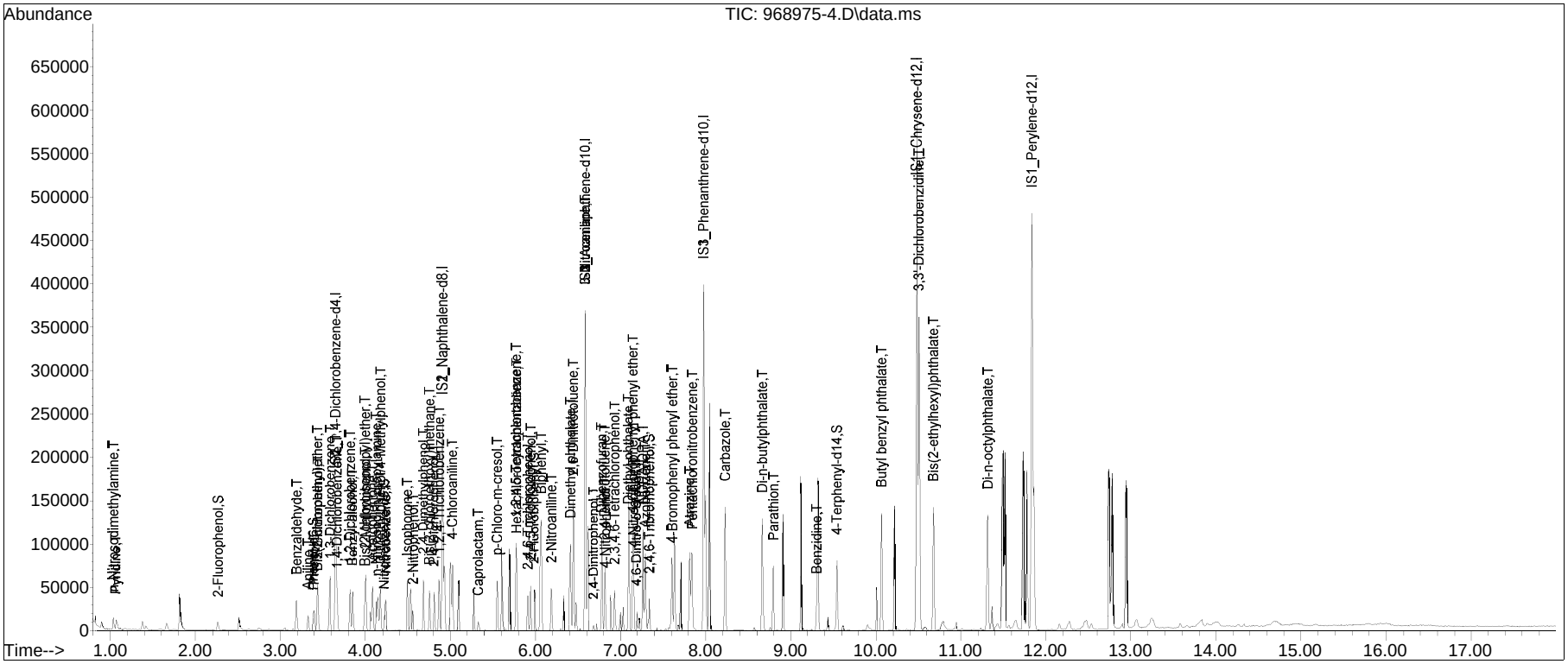
(#) = qualifier out of range (m) = manual integration (+) = signals summed

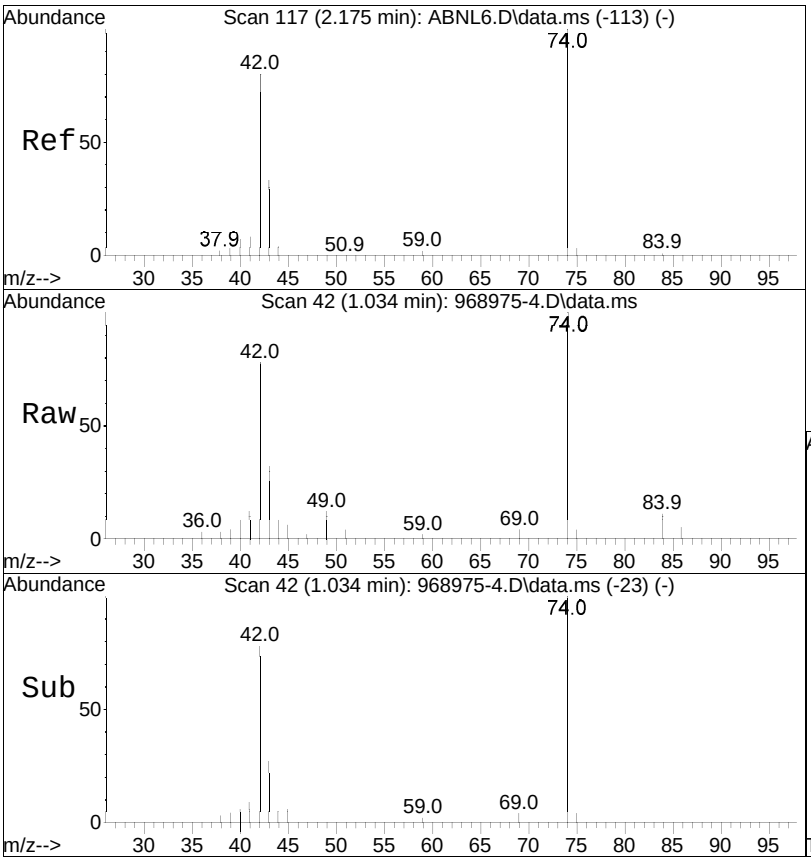
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-4.D
Acq On : 09 Sep 2024 10:02 pm
Operator : SV112:smz
Sample : WG1968975-4,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 09:54:17 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

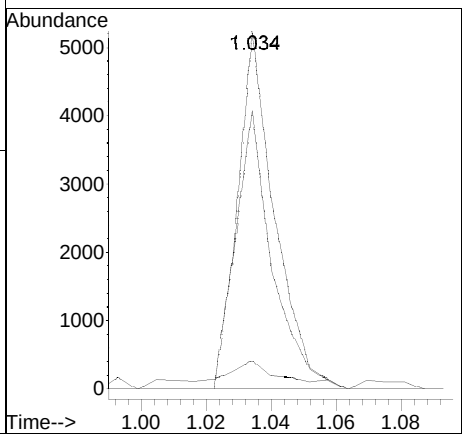


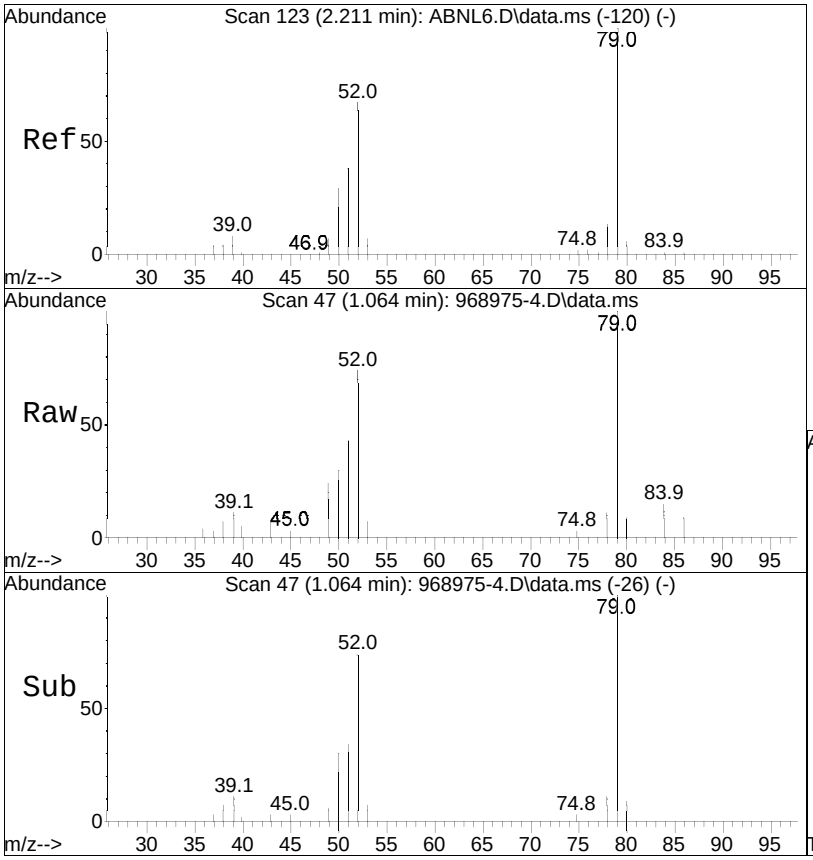


#2
n-Nitrosodimethylamine
Concen: 0.93 ug/ml
RT: 1.034 min Scan# 42
Delta R.T. 0.012 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 74 Resp: 4100

Ion	Ratio	Lower	Upper
74	100		
42	77.0	63.8	95.8
44	0.0	4.3	6.5#

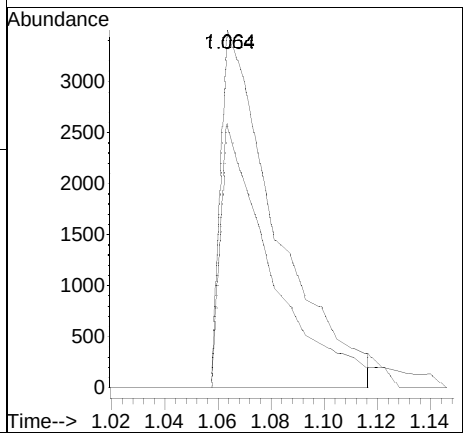


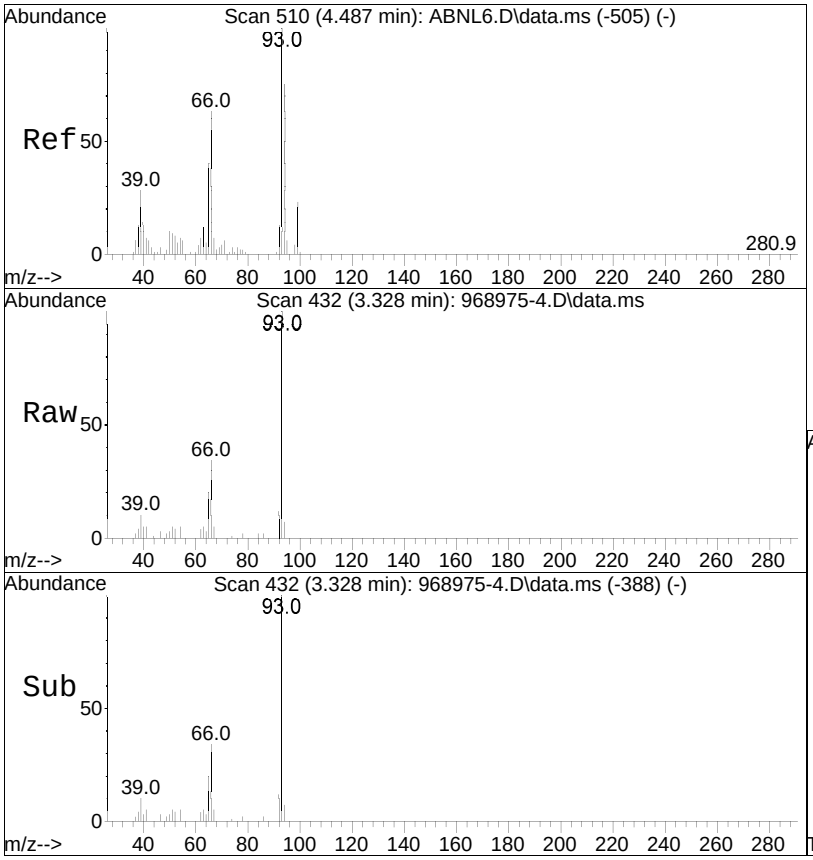


#3
Pyridine
Concen: 0.73 ug/ml
RT: 1.064 min Scan# 47
Delta R.T. 0.024 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 79 Resp: 5104

Ion	Ratio	Lower	Upper
79	100		
52	67.8	64.6	96.8

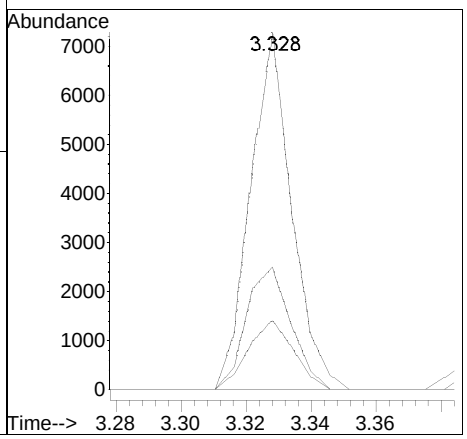


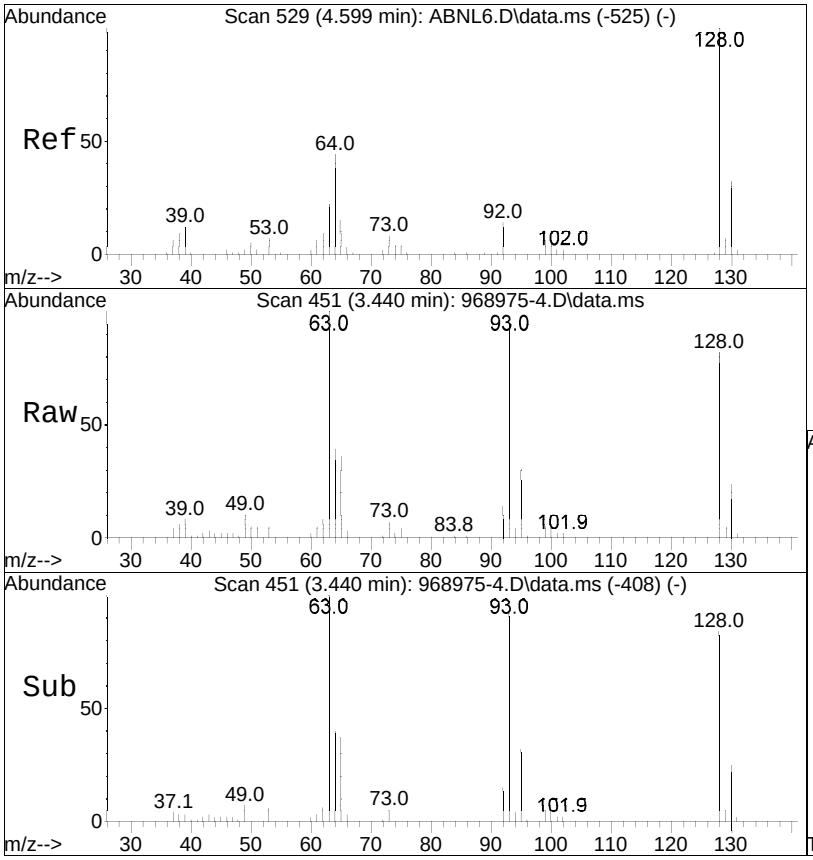


#5
Aniline
Concen: 0.52 ug/ml
RT: 3.328 min Scan# 432
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 93 Resp: 6368

Ion	Ratio	Lower	Upper
93	100		
66	37.2	31.3	46.9
65	21.5	16.6	25.0

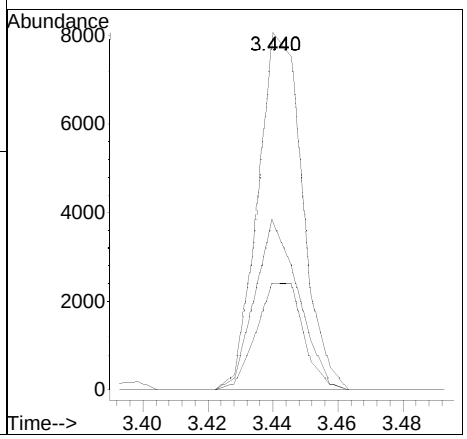


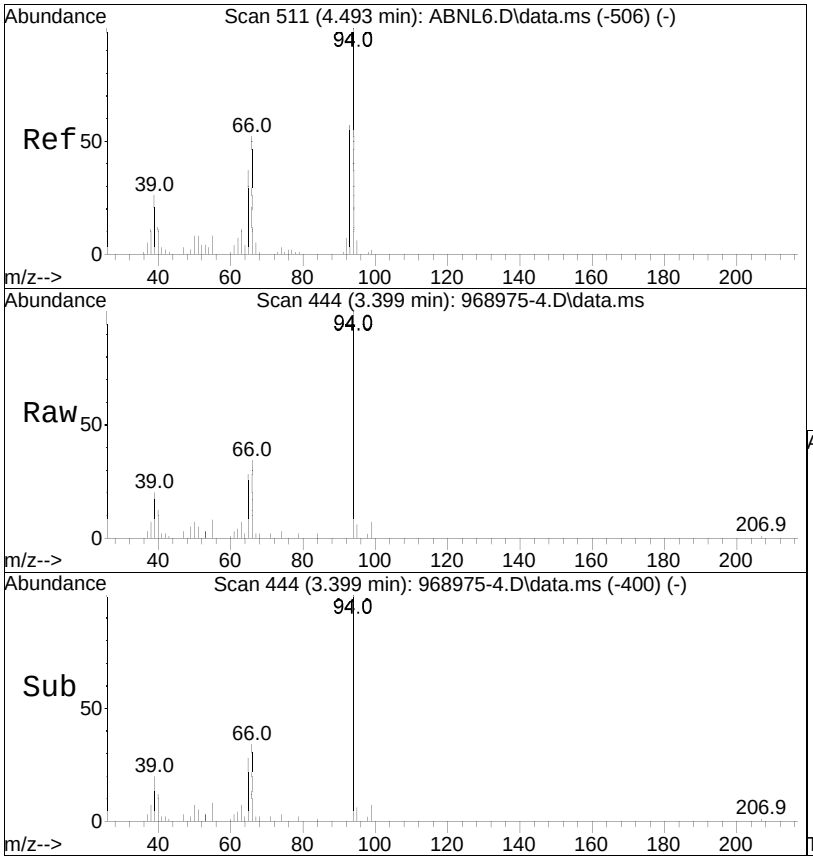


#6
2-Chlorophenol
Concen: 0.91 ug/ml
RT: 3.440 min Scan# 451
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:128 Resp: 7634

Ion	Ratio	Lower	Upper
128	100		
64	46.6	38.2	57.4
130	31.4	26.2	39.2

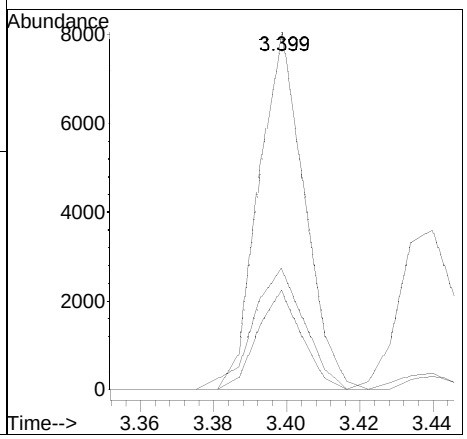


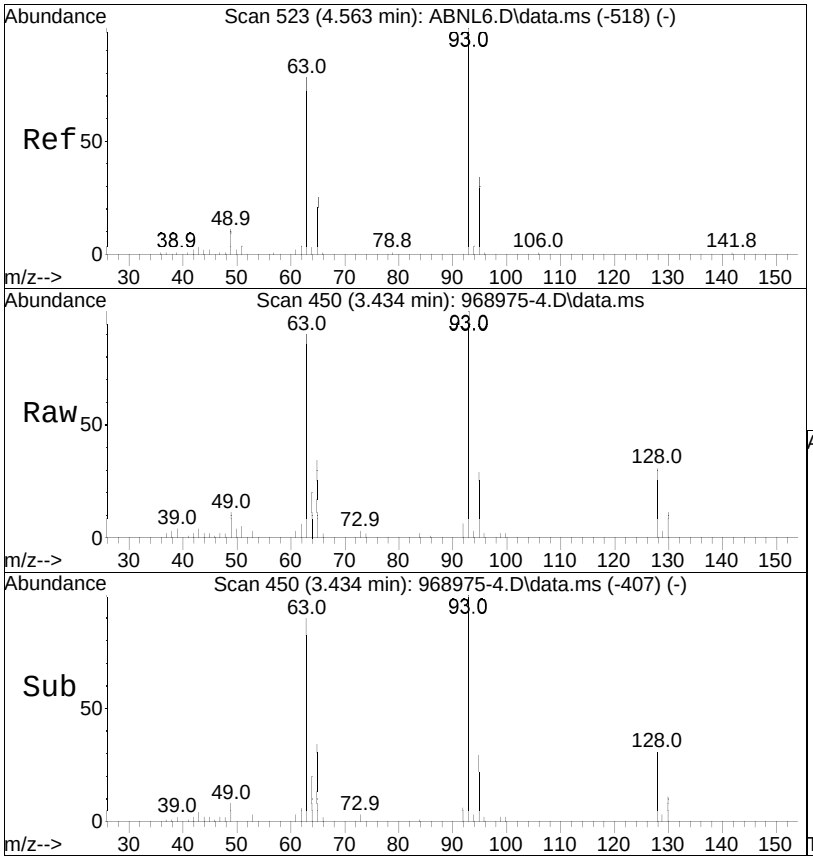


#8
Phenol
Concen: 0.66 ug/ml
RT: 3.399 min Scan# 444
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 94 Resp: 6975

Ion	Ratio	Lower	Upper
94	100		
65	27.0	23.0	34.6
66	38.4	32.1	48.1

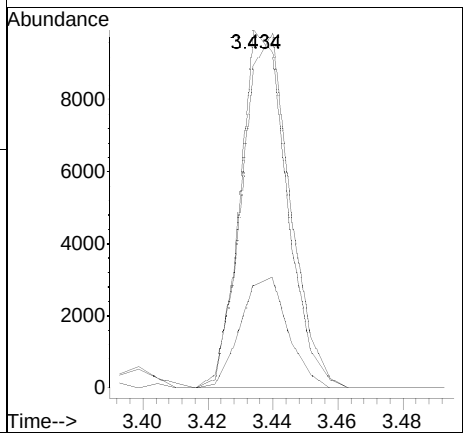


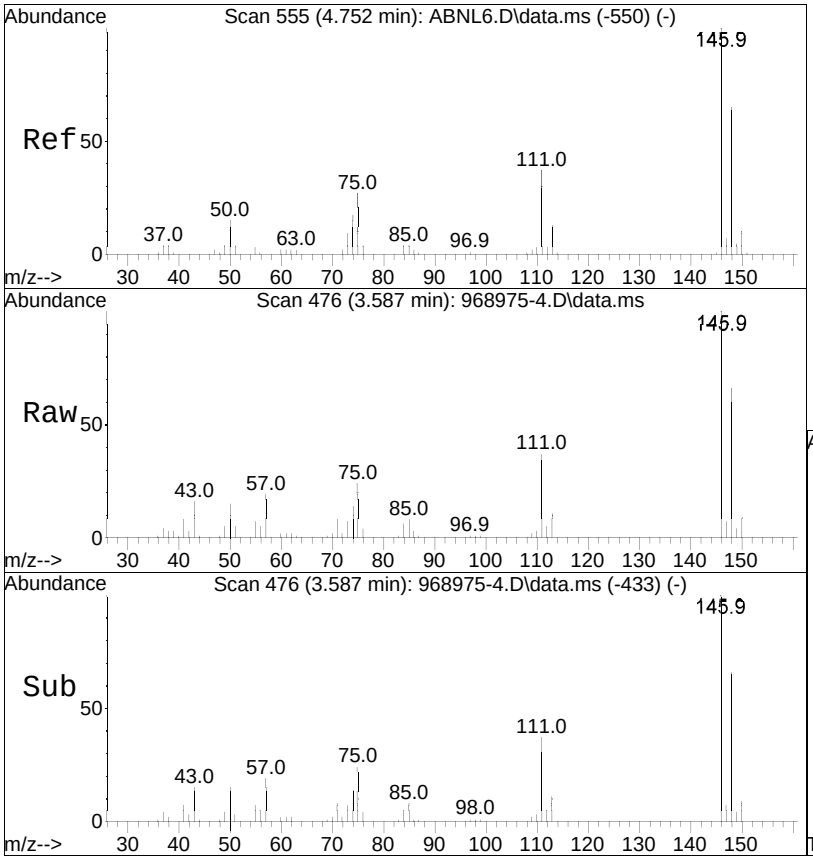


#9
Bis(2-chloroethyl)ether
Concen: 1.25 ug/ml
RT: 3.434 min Scan# 450
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 93 Resp: 9823

Ion	Ratio	Lower	Upper
93	100		
63	102.5	67.0	100.4#
95	31.6	26.1	39.1

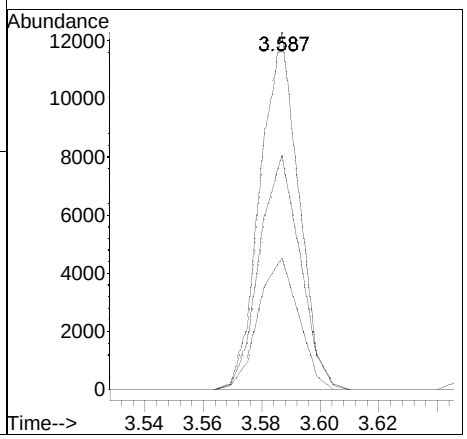


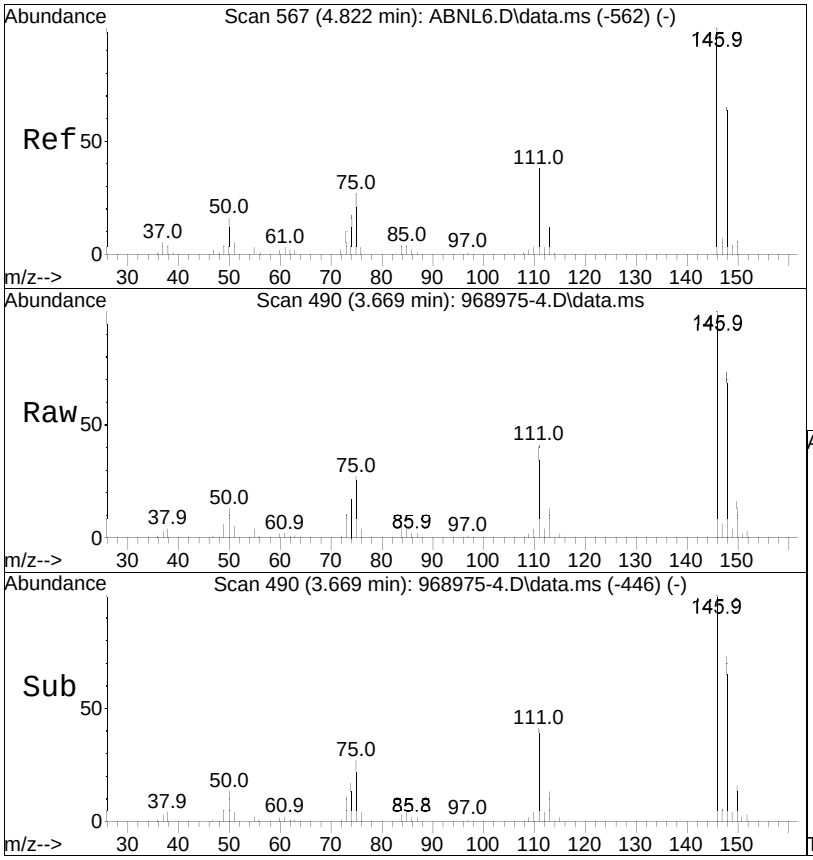


#10
1,3-Dichlorobenzene
Concen: 1.09 ug/ml
RT: 3.587 min Scan# 476
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:146 Resp: 11064

Ion	Ratio	Lower	Upper
146	100		
111	39.0	35.0	52.4
148	69.5	51.3	76.9

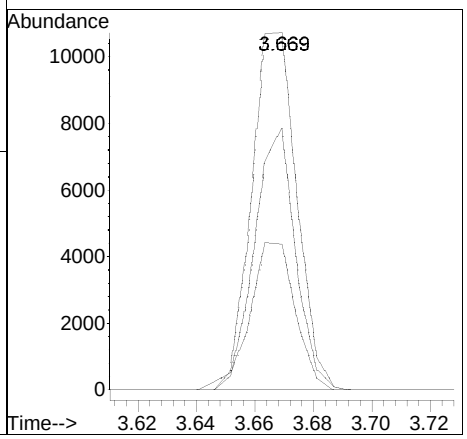


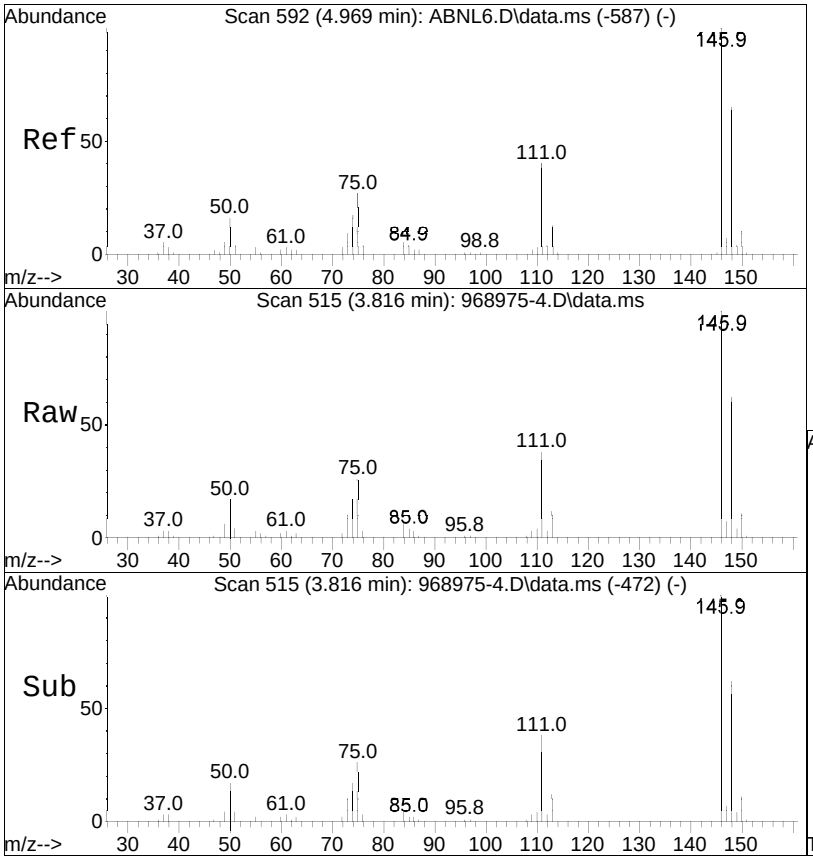


#11
1,4-Dichlorobenzene
Concen: 1.08 ug/ml
RT: 3.669 min Scan# 490
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:146 Resp: 11436

Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.1	76.7
111	41.6	34.4	51.6

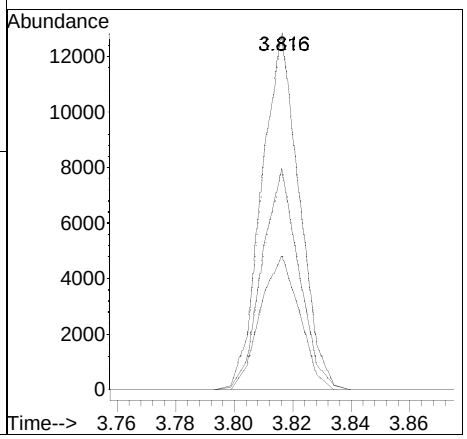


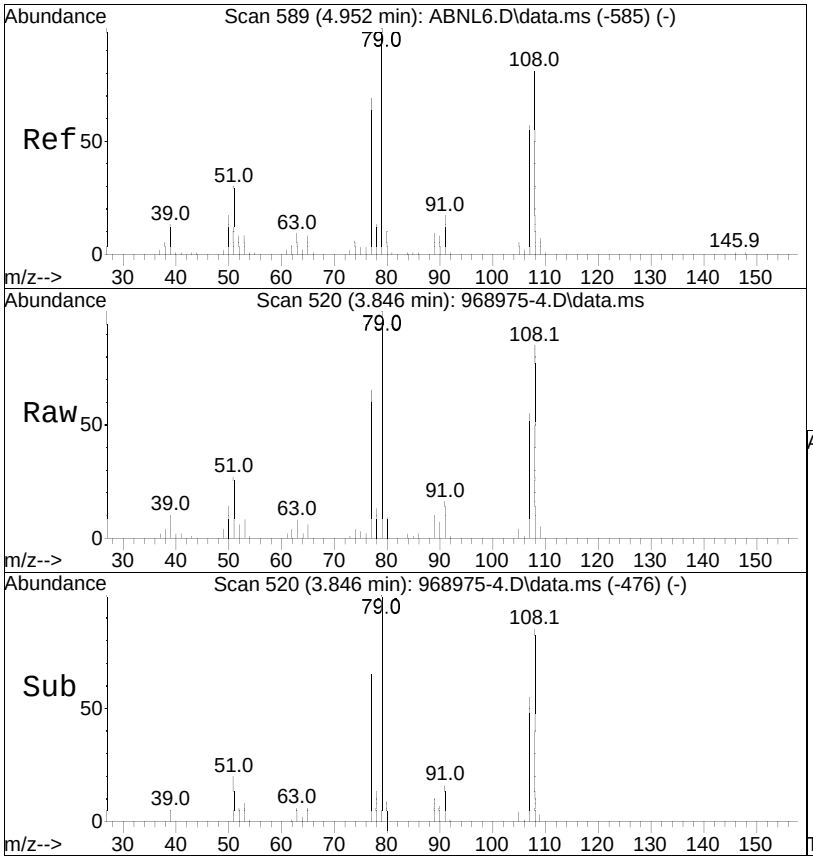


#12
1,2-Dichlorobenzene
Concen: 1.15 ug/ml
RT: 3.816 min Scan# 515
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:146 Resp: 11391

Ion	Ratio	Lower	Upper
146	100		
111	39.1	35.5	53.3
148	60.9	50.6	76.0

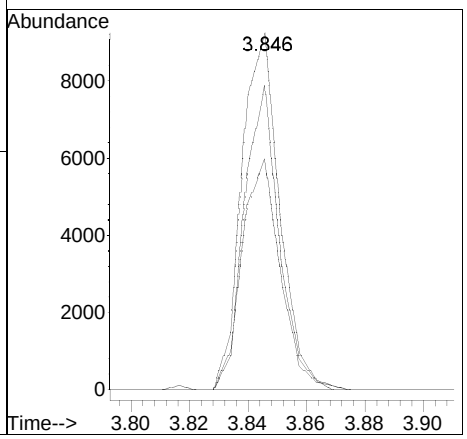


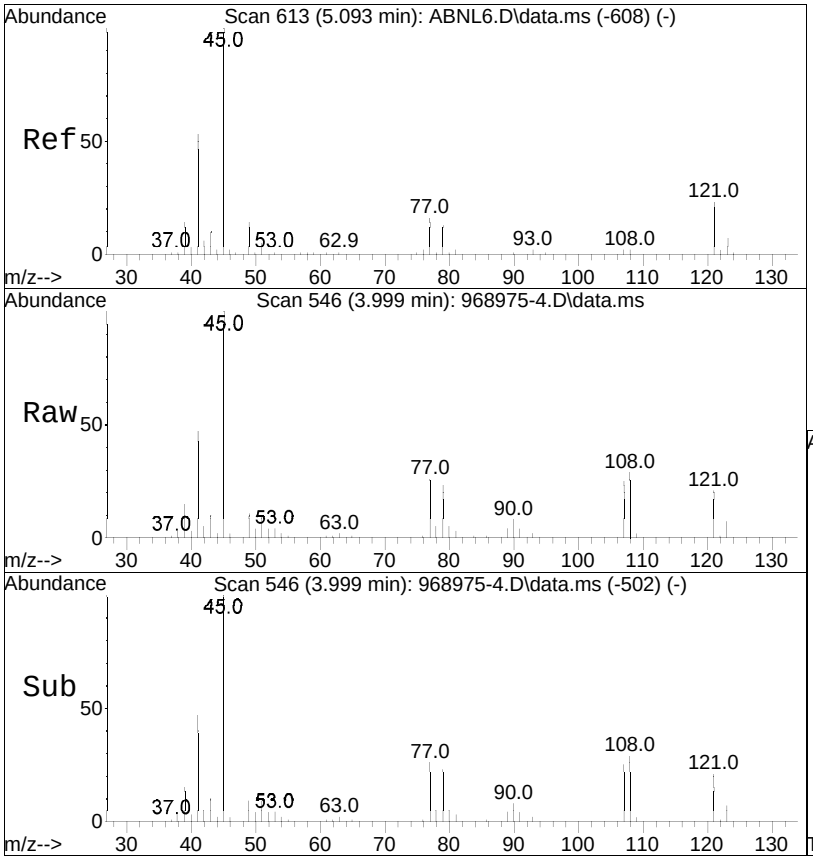


#13
Benzyl alcohol
Concen: 1.31 ug/ml
RT: 3.846 min Scan# 520
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 79 Resp: 8315

Ion	Ratio	Lower	Upper
79	100		
77	65.5	51.8	77.6
108	79.0	63.9	95.9

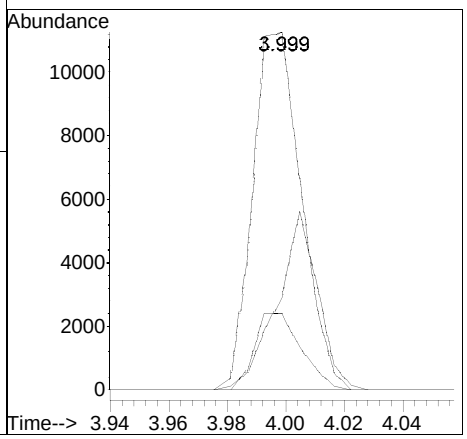


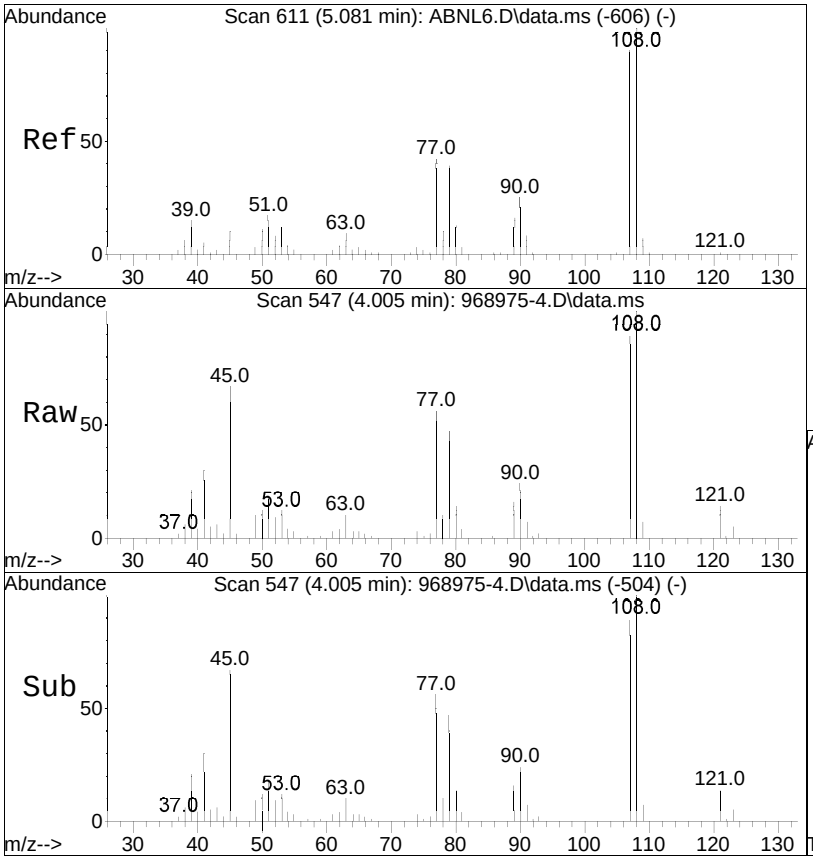


#14
Bis(2-chloroisopropyl)ether
Concen: 1.31 ug/ml
RT: 3.999 min Scan# 546
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 45 Resp: 12948

Ion	Ratio	Lower	Upper
45	100		
121	20.6	14.8	22.2
77	41.9	10.5	15.7#

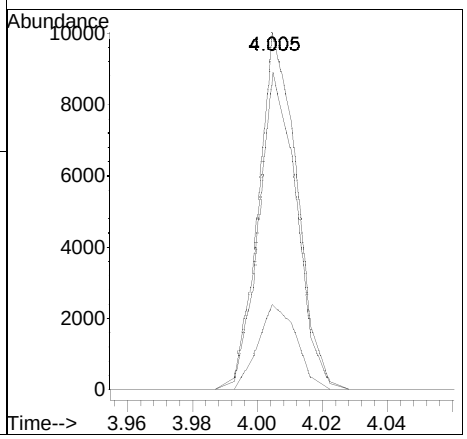


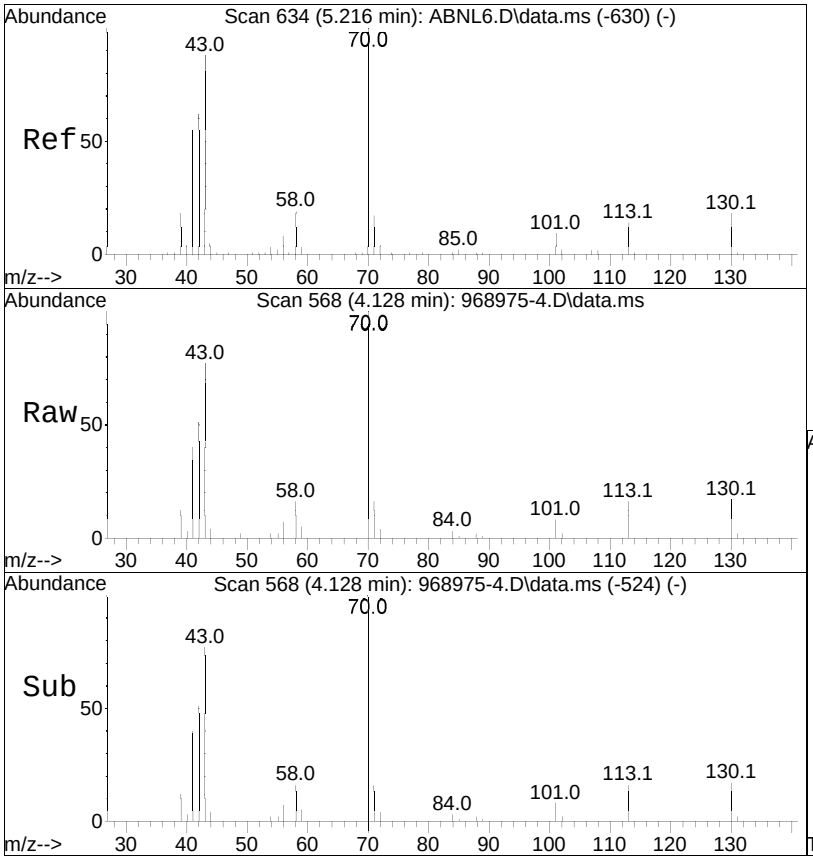


#15
2-Methylphenol
Concen: 1.15 ug/ml
RT: 4.005 min Scan# 547
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:108 Resp: 8160

Ion	Ratio	Lower	Upper
108	100		
107	87.5	71.0	106.4
90	23.9	19.7	29.5

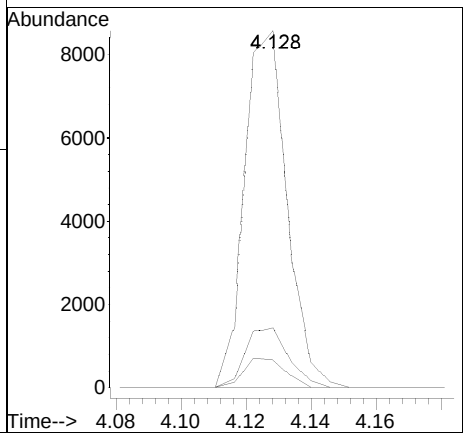


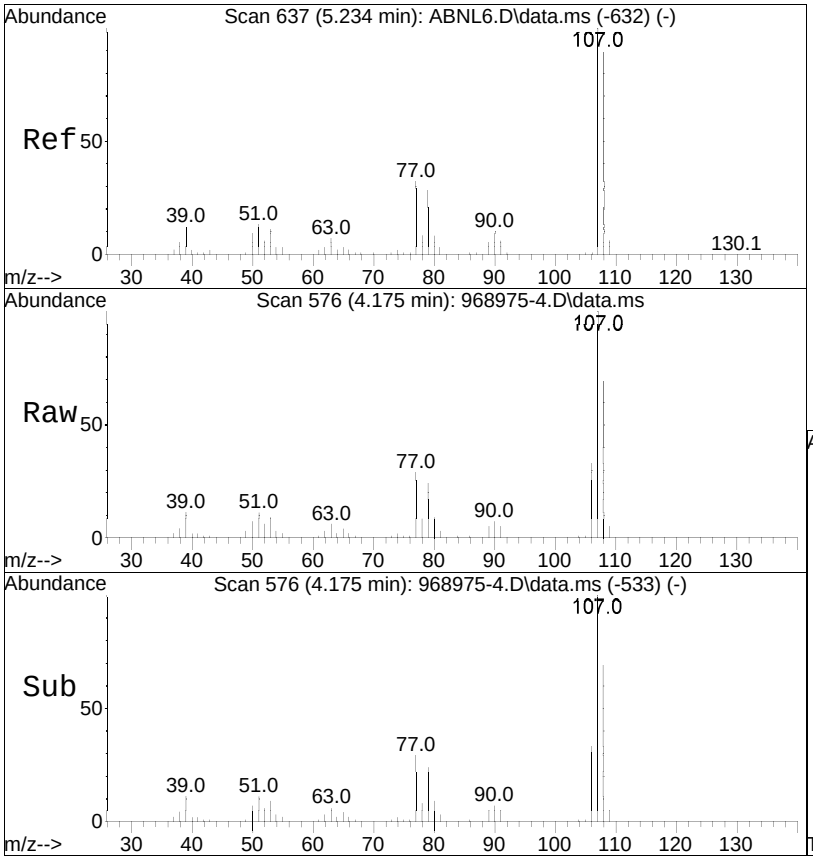


#17
n-Nitrosodi-n-propylamine
Concen: 1.33 ug/ml
RT: 4.128 min Scan# 568
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 70 Resp: 7740

Ion	Ratio	Lower	Upper
70	100		
130	17.2	16.2	24.4
101	8.1	7.6	11.4

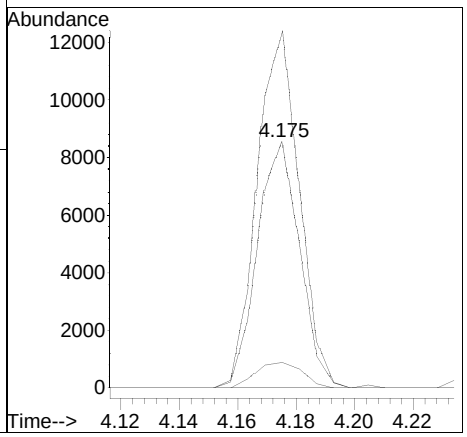


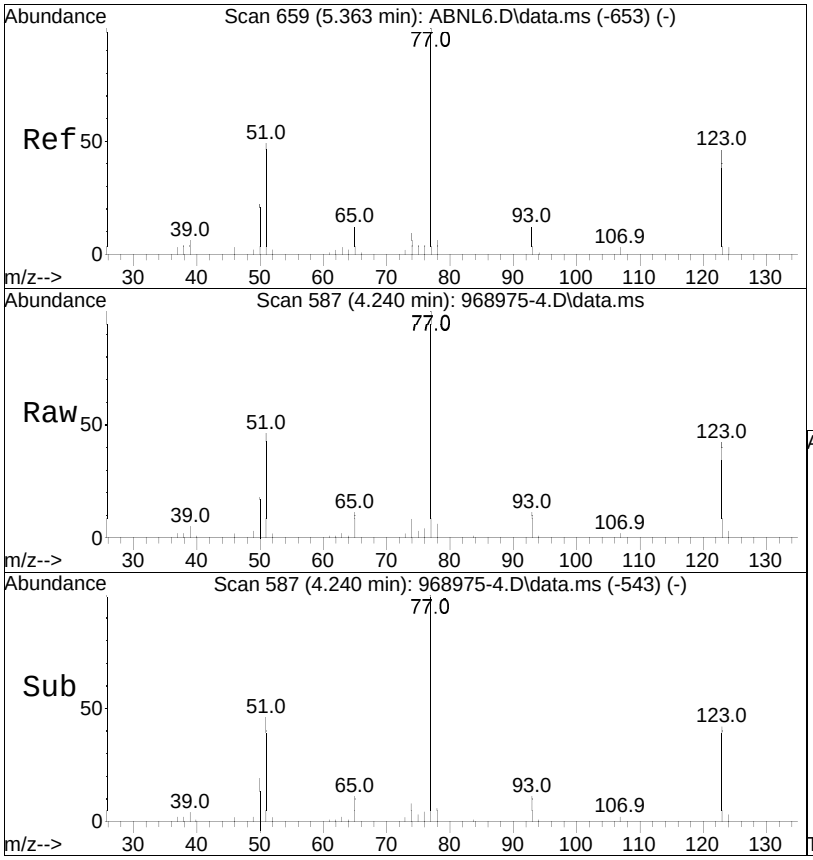


#18
3-Methylphenol/4-Methylphenol
Concen: 1.11 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:108 Resp: 8566

Ion	Ratio	Lower	Upper
108	100		
107	144.5	88.8	133.2#
90	11.5	9.0	13.6

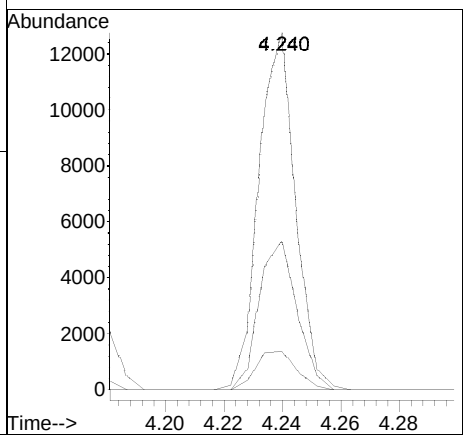


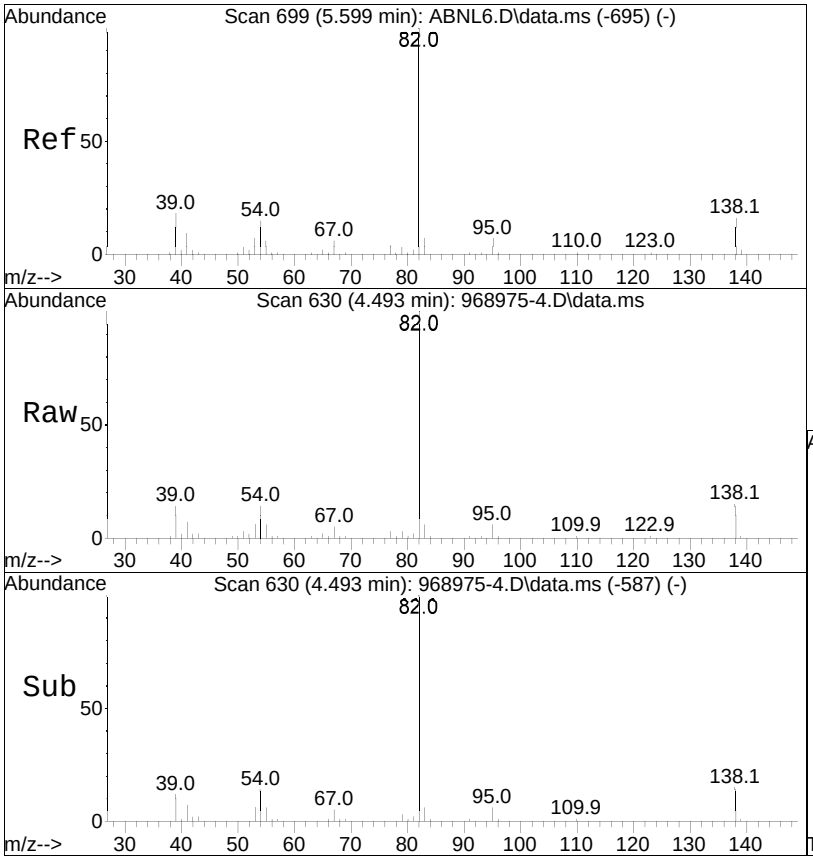


#20
Nitrobenzene
Concen: 1.27 ug/ml
RT: 4.240 min Scan# 587
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 77 Resp: 10984

Ion	Ratio	Lower	Upper
77	100		
123	43.5	37.3	55.9
65	12.3	10.9	16.3

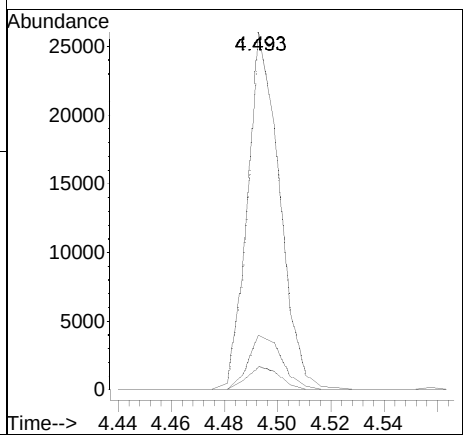


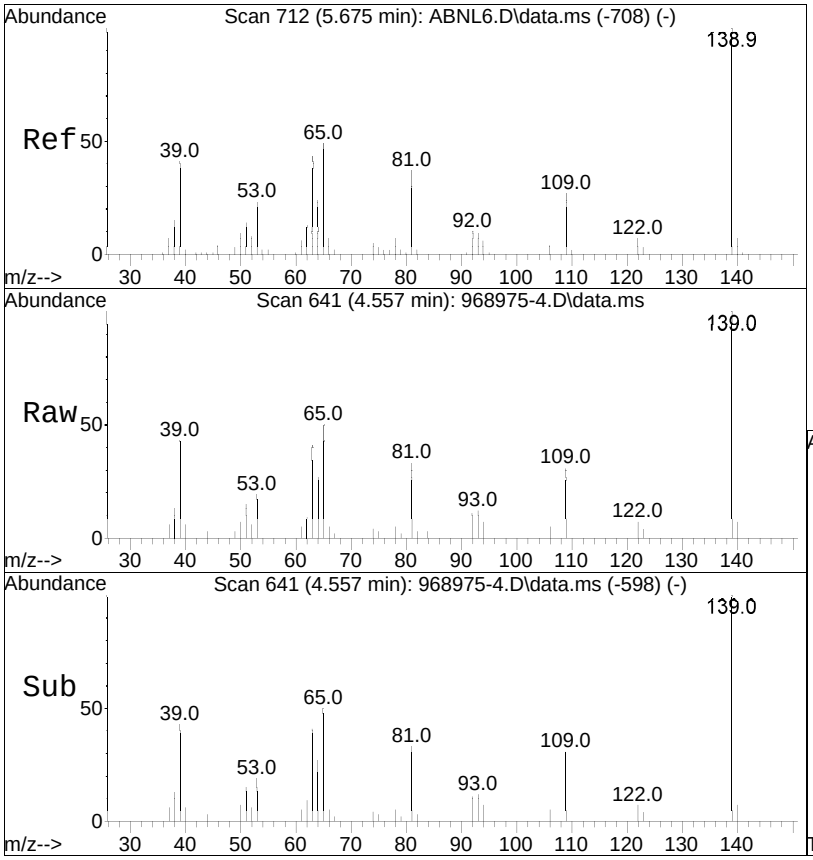


#21
Isophorone
Concen: 1.38 ug/ml
RT: 4.493 min Scan# 630
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 82 Resp: 21548

Ion	Ratio	Lower	Upper
82	100		
138	15.9	13.0	19.4
95	6.5	5.5	8.3

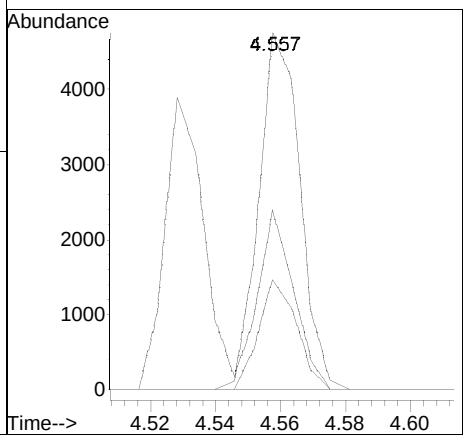


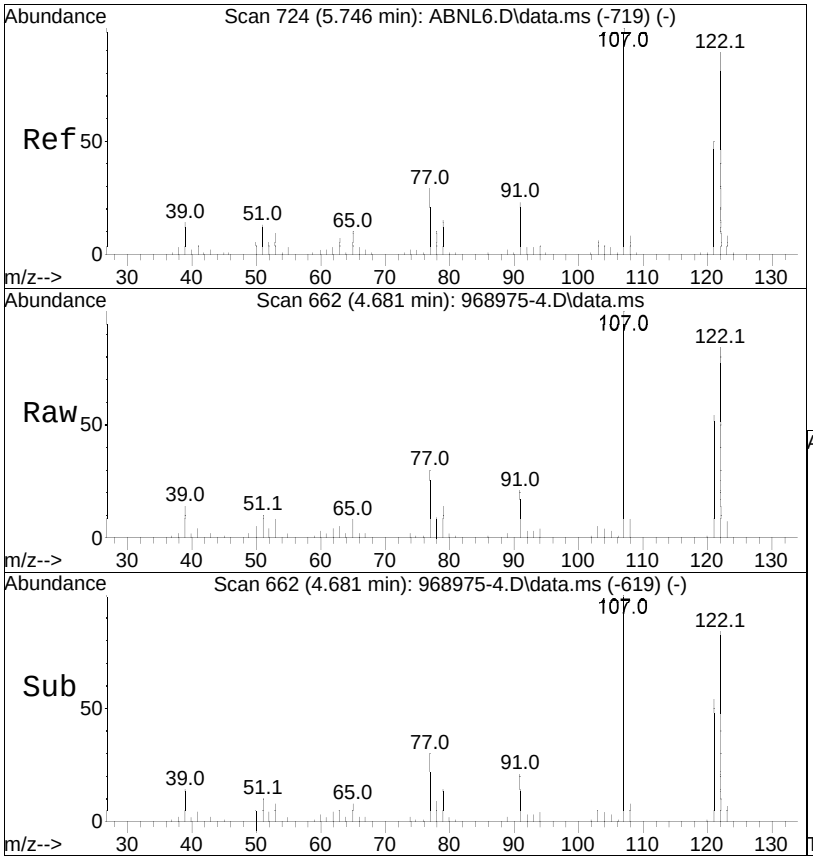


#22
2-Nitrophenol
Concen: 1.08 ug/ml
RT: 4.557 min Scan# 641
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:139 Resp: 4175

Ion	Ratio	Lower	Upper
139	100		
109	28.4	23.1	34.7
65	77.5	41.4	62.2#

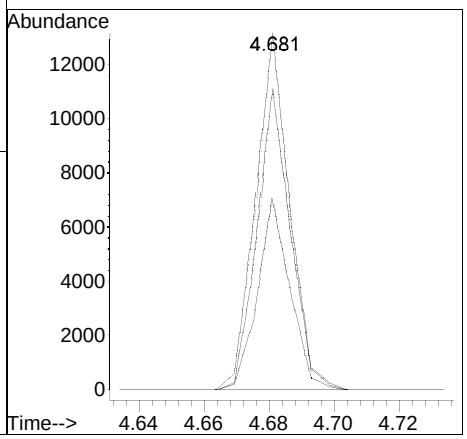


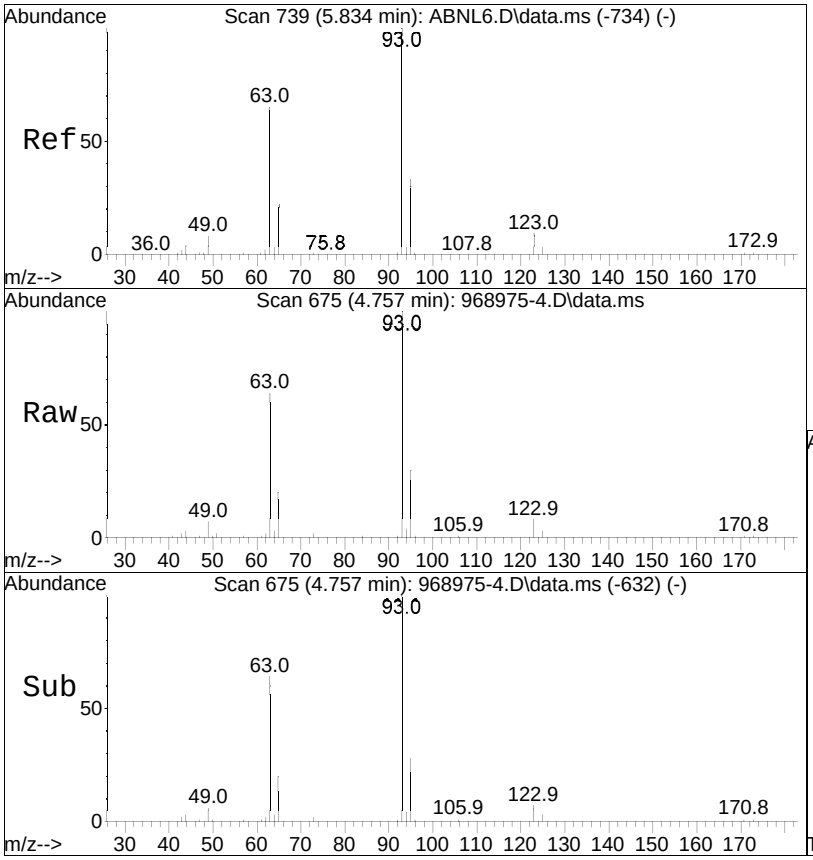


#23
2,4-Dimethylphenol
Concen: 1.29 ug/ml
RT: 4.681 min Scan# 662
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:107 Resp: 9498

Ion	Ratio	Lower	Upper
107	100		
121	51.5	41.3	61.9
122	82.9	69.3	103.9

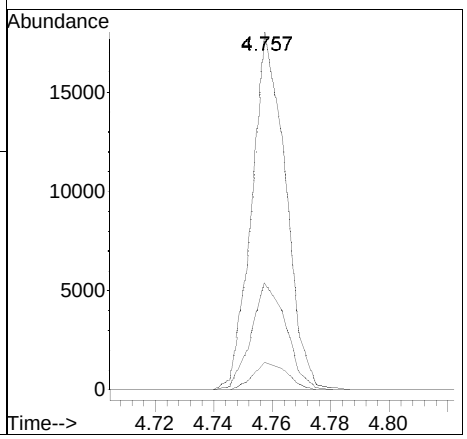


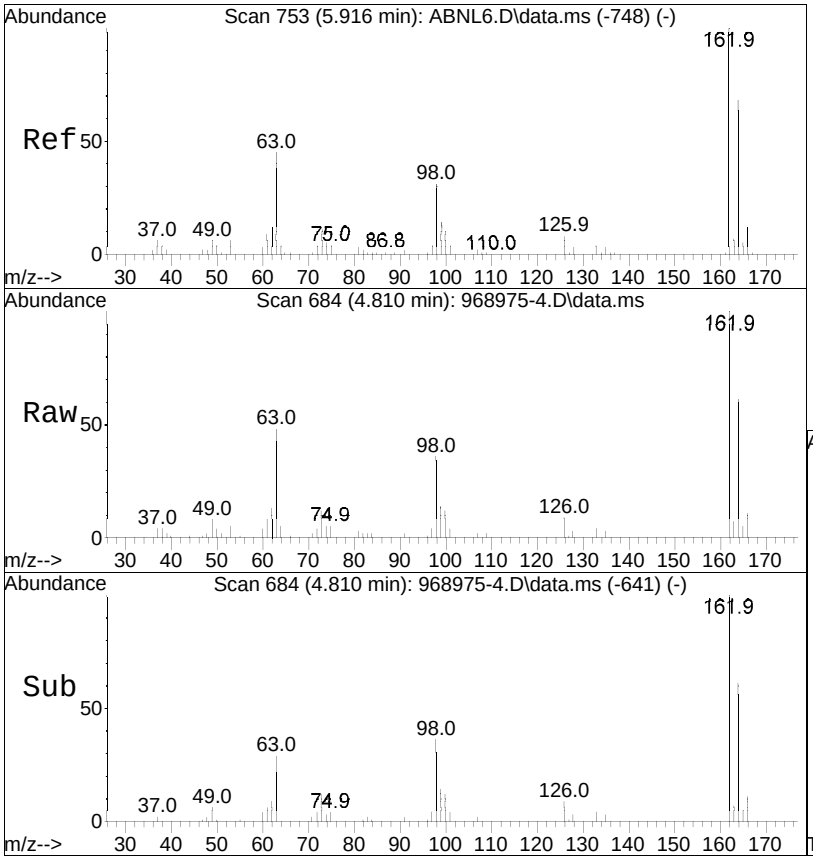


#24
Bis(2-chloroethoxy)methane
Concen: 1.36 ug/ml
RT: 4.757 min Scan# 675
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 93 Resp: 14287

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.8	38.8
123	7.8	9.6	14.4#

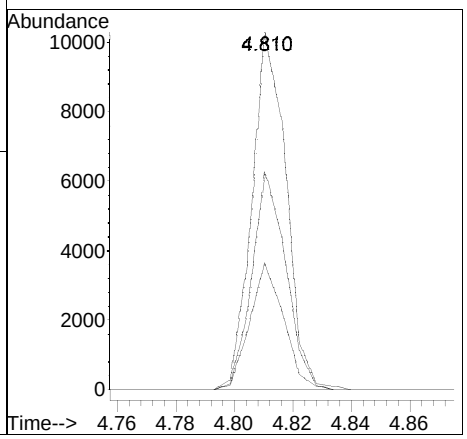


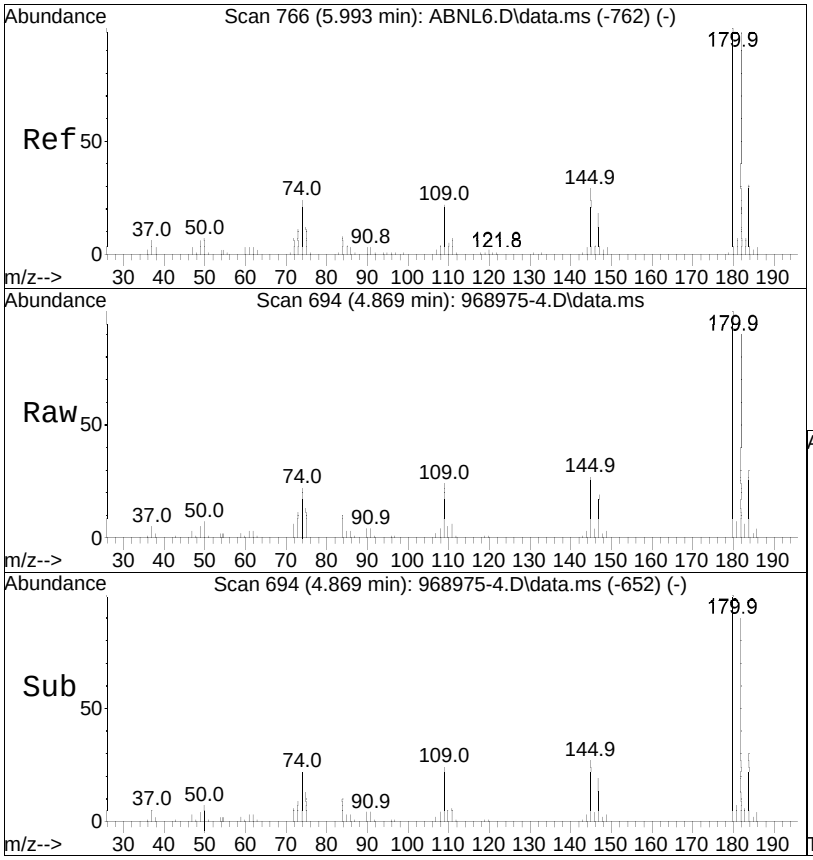


#25
2,4-Dichlorophenol
Concen: 1.07 ug/ml
RT: 4.810 min Scan# 684
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:162 Resp: 8276

Ion	Ratio	Lower	Upper
162	100		
164	60.8	51.1	76.7
98	35.4	32.2	48.2

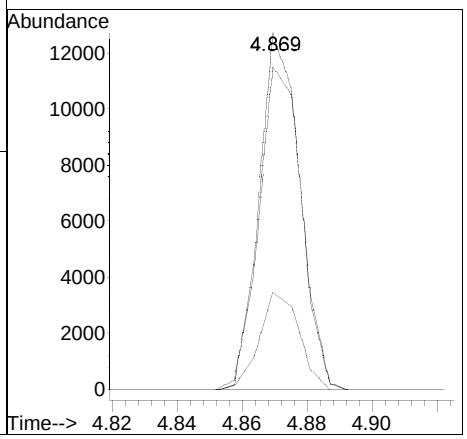


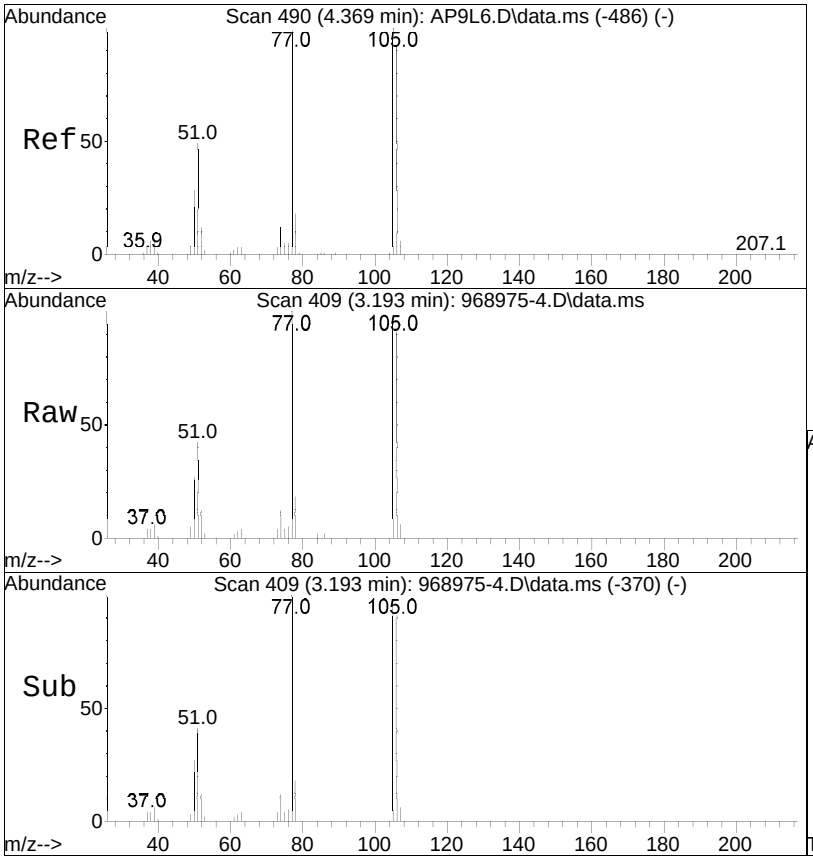


#26
1,2,4-Trichlorobenzene
Concen: 1.12 ug/ml
RT: 4.869 min Scan# 694
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:180 Resp: 10977

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	27.0	26.3	39.5

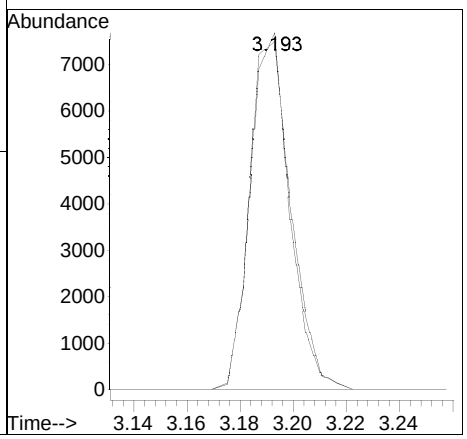


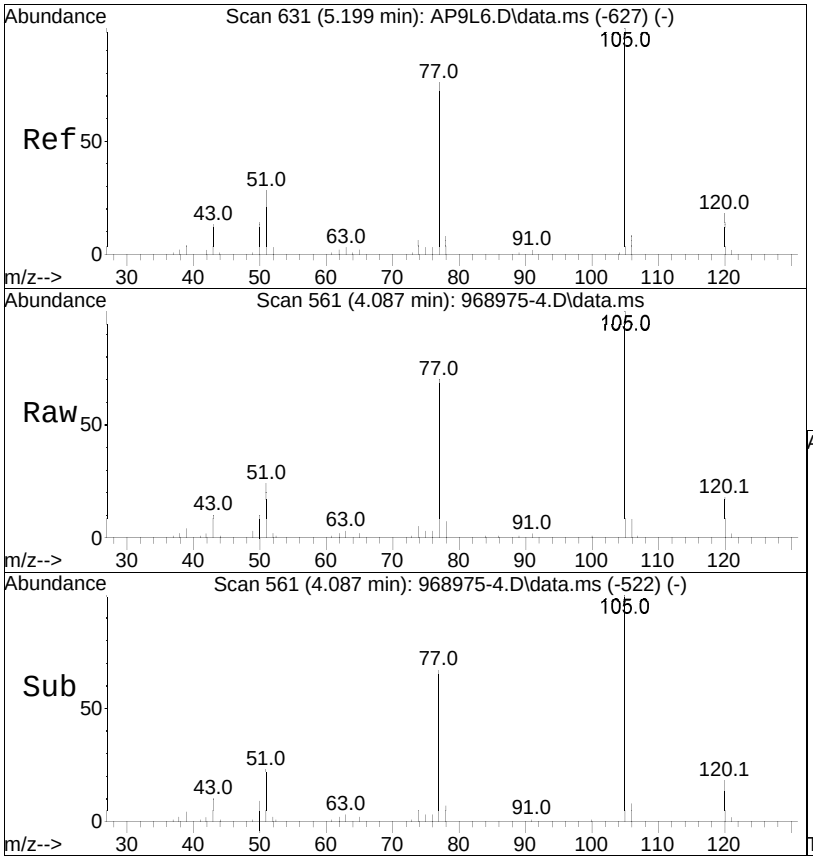


#28
Benzaldehyde
Concen: 1.11 ug/ml
RT: 3.193 min Scan# 409
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:105 Resp: 8149

Ion	Ratio	Lower	Upper
105	100		
77	96.5	77.0	115.6

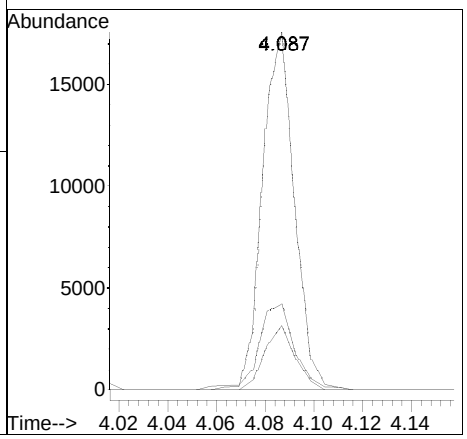


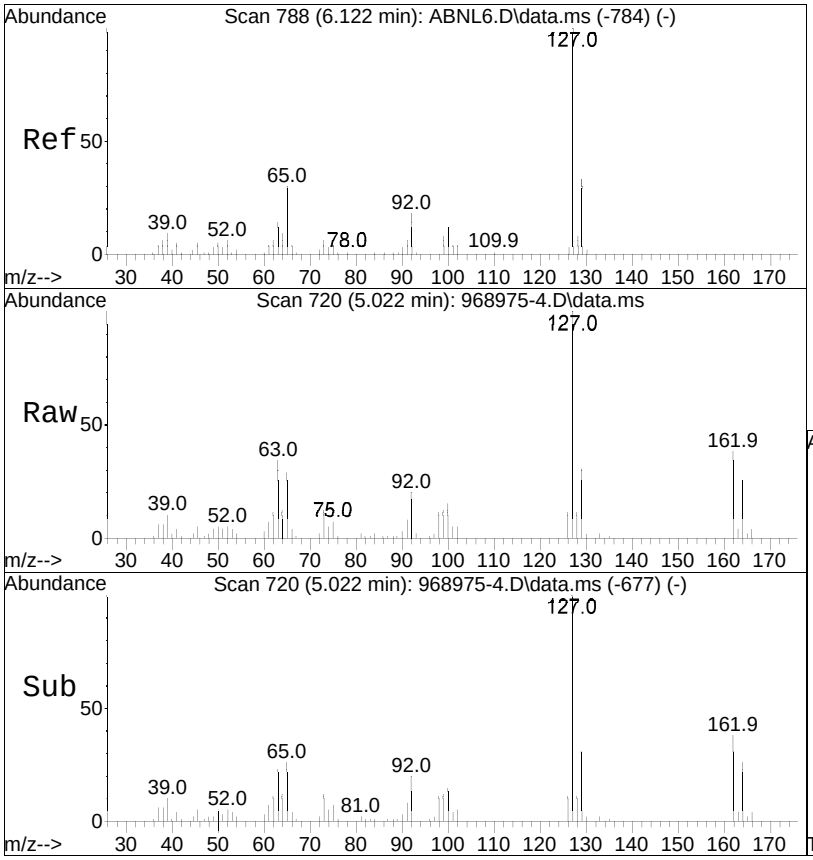


#29
Acetophenone
Concen: 1.24 ug/ml
RT: 4.087 min Scan# 561
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:105 Resp: 15813

Ion	Ratio	Lower	Upper
105	100		
120	17.2	15.2	22.8
51	27.5	23.1	34.7

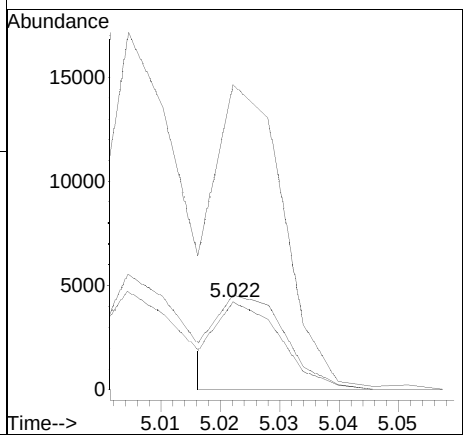


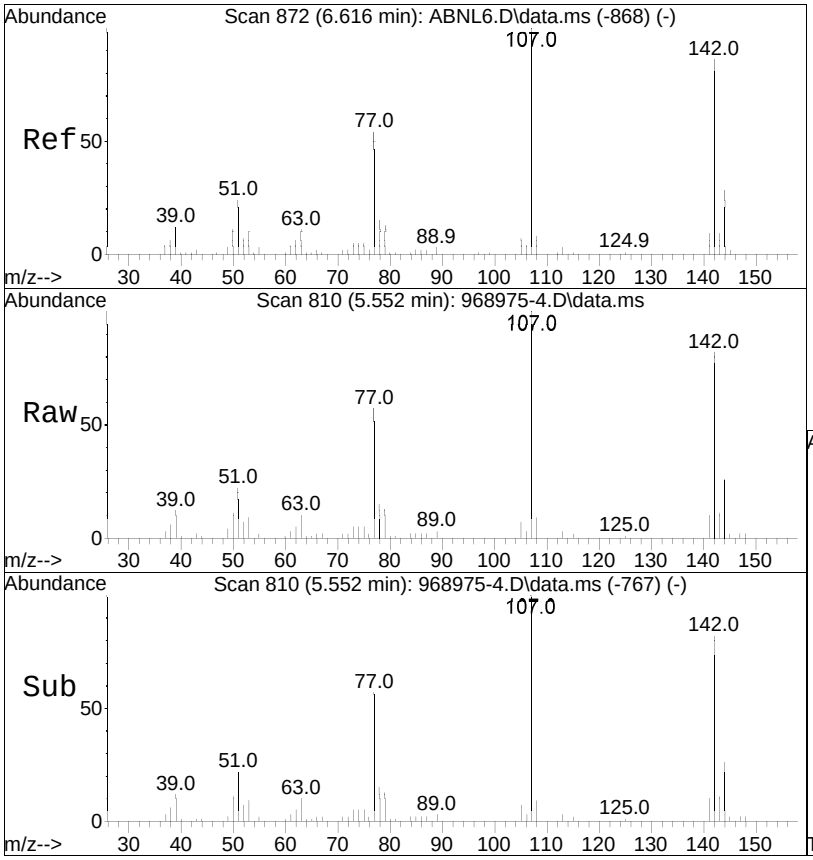


#38
4-Chloroaniline
Concen: 1.04 ug/ml M3
RT: 5.022 min Scan# 720
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 65 Resp: 3061

Ion	Ratio	Lower	Upper
65	100		
127	491.7	266.2	399.4#
129	163.6	85.0	127.4#

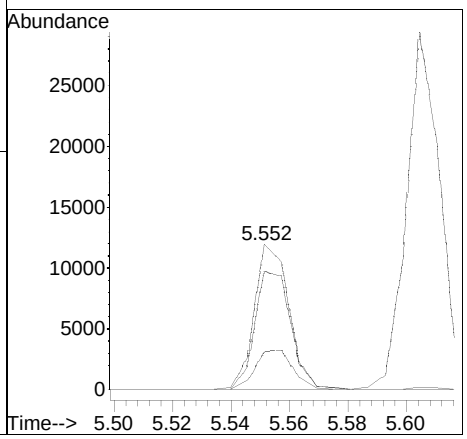


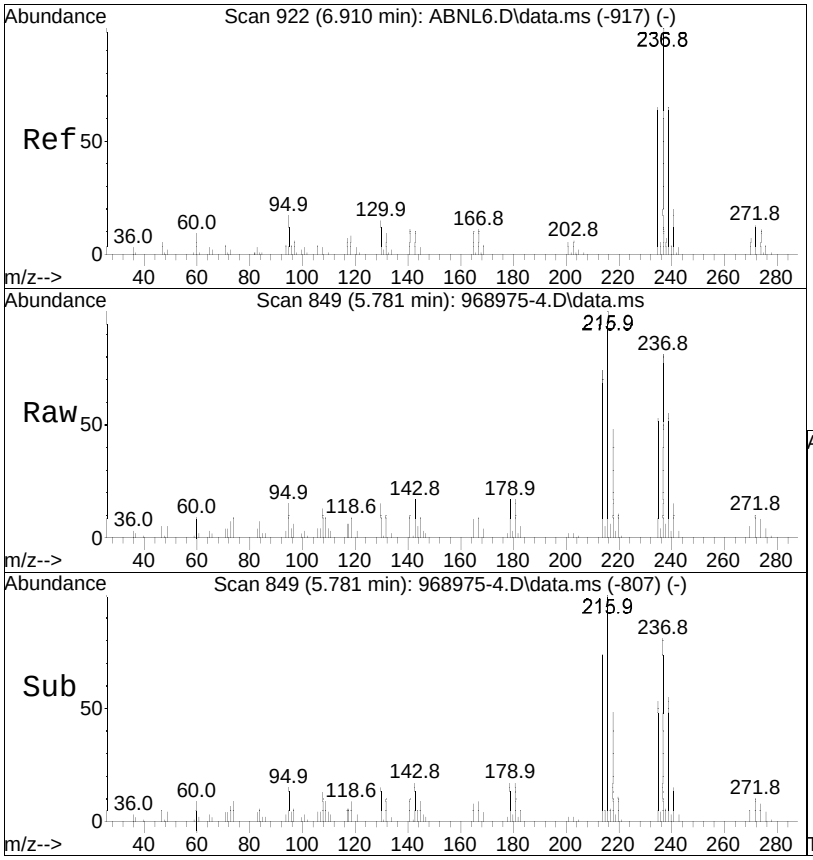


#40
p-Chloro-m-cresol
Concen: 1.42 ug/ml
RT: 5.552 min Scan# 810
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:107 Resp: 9841

Ion	Ratio	Lower	Upper
107	100		
144	29.3	20.3	30.5
142	84.4	63.8	95.6

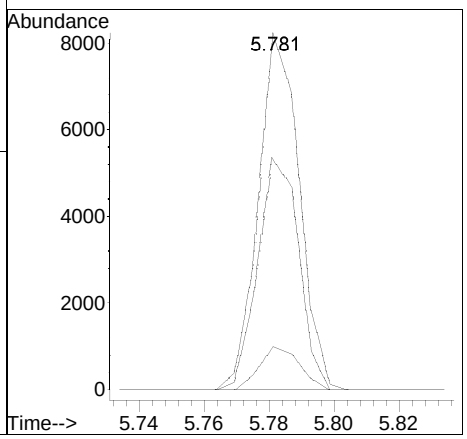


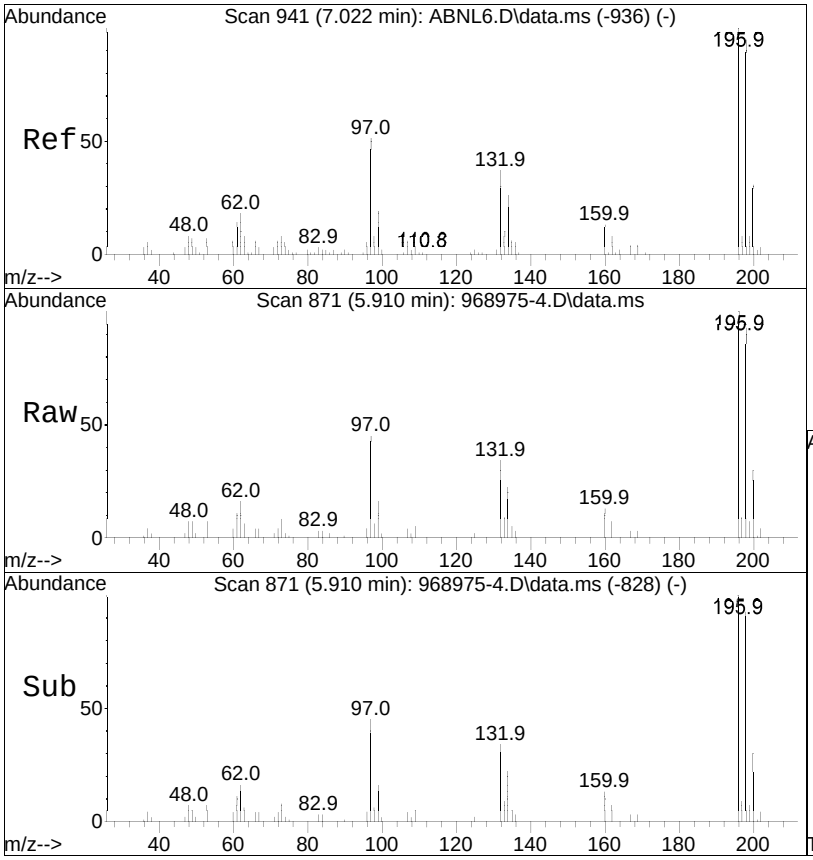


#43
Hexachlorocyclopentadiene
Concen: 1.14 ug/ml
RT: 5.781 min Scan# 849
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:237 Resp: 7159

Ion	Ratio	Lower	Upper
237	100		
235	65.3	50.9	76.3
272	12.1	10.1	15.1

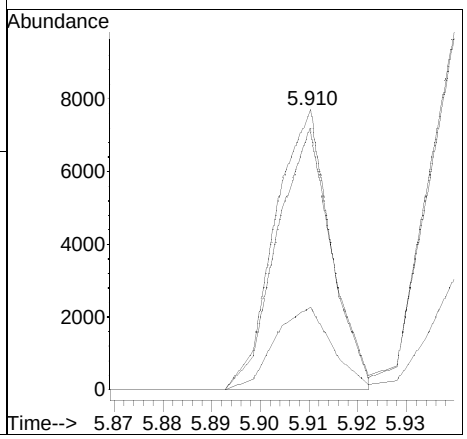


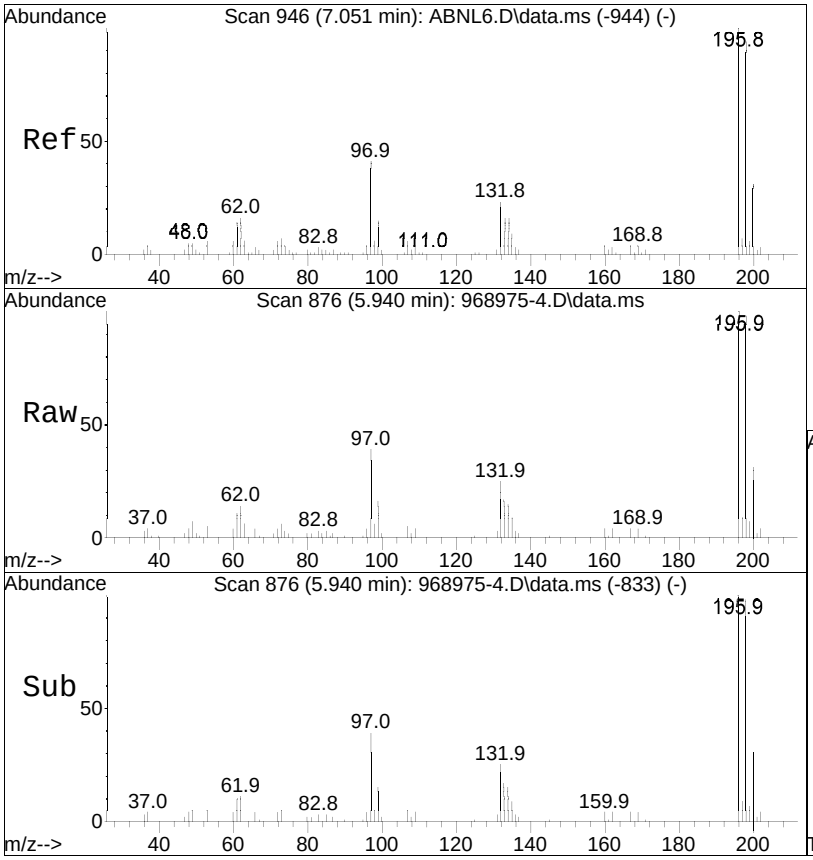


#44
2,4,6-Trichlorophenol
Concen: 0.96 ug/ml
RT: 5.910 min Scan# 871
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:196 Resp: 6128

Ion	Ratio	Lower	Upper
196	100		
198	92.5	76.4	114.6
200	30.7	24.4	36.6

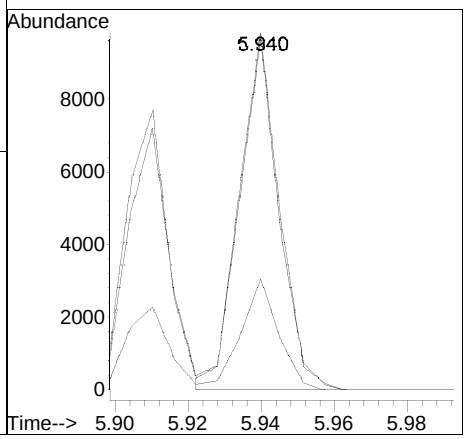


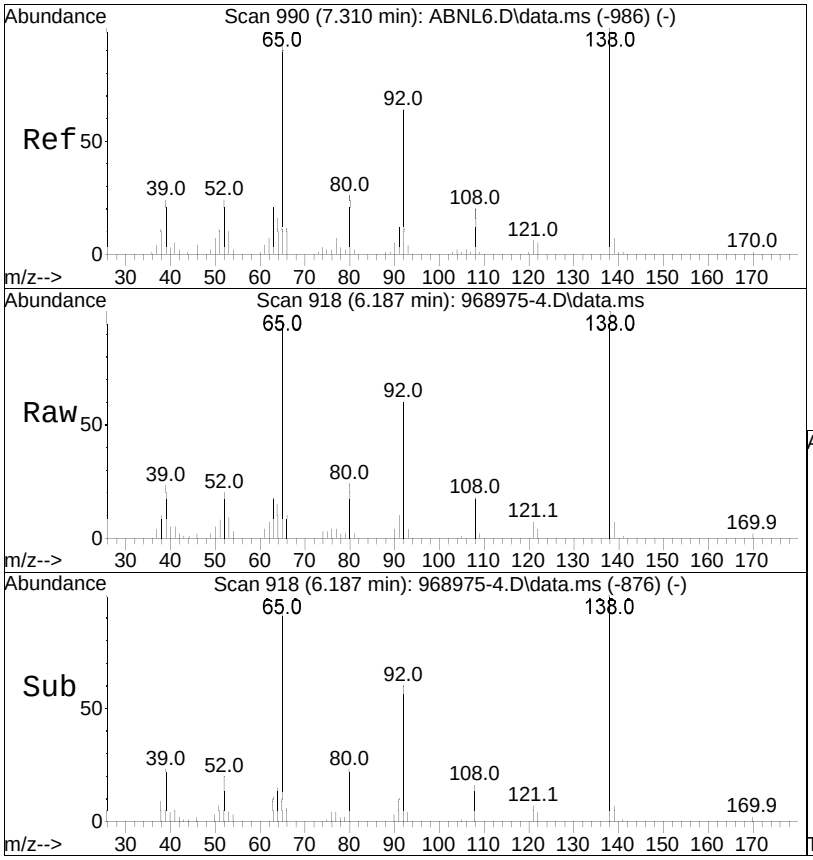


#45
2,4,5-Trichlorophenol
Concen: 1.13 ug/ml
RT: 5.940 min Scan# 876
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:196 Resp: 7413

Ion	Ratio	Lower	Upper
196	100		
200	29.4	24.2	36.4
198	96.8	76.2	114.2

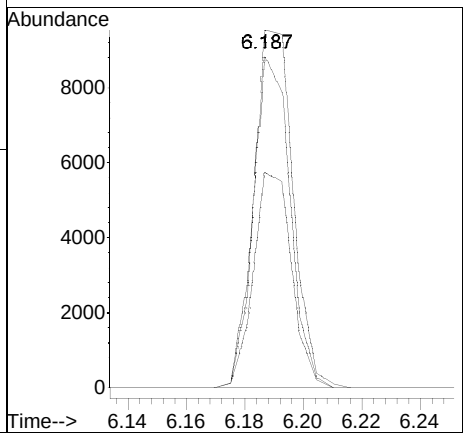


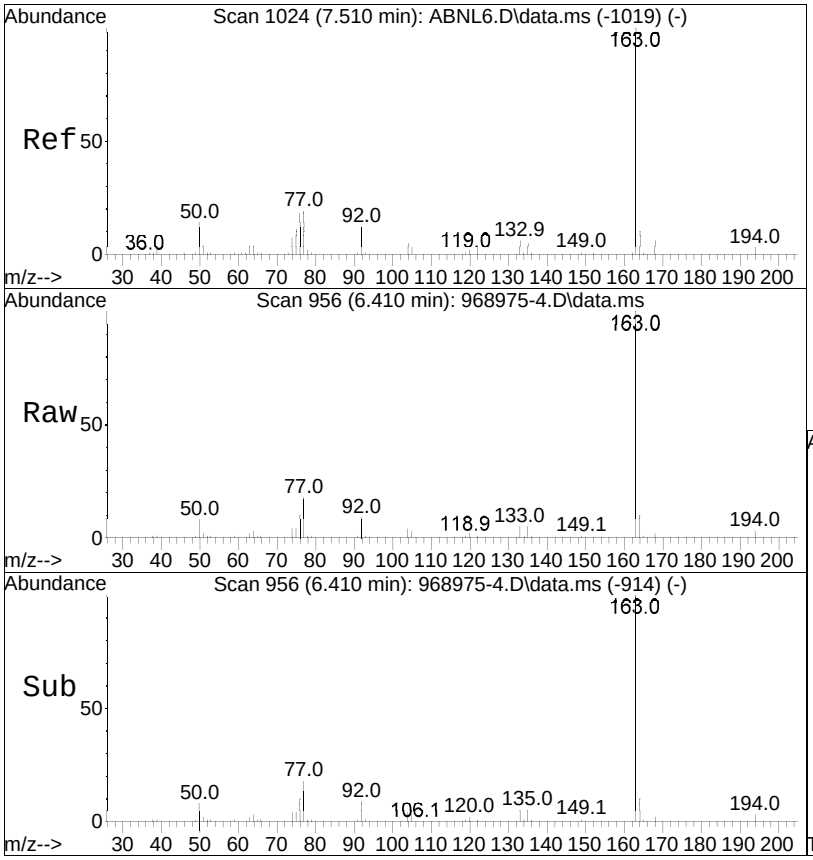


#48
2-Nitroaniline
Concen: 1.75 ug/ml
RT: 6.187 min Scan# 918
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:138 Resp: 8743

Ion	Ratio	Lower	Upper
138	100		
92	59.1	52.1	78.1
65	88.0	75.9	113.9

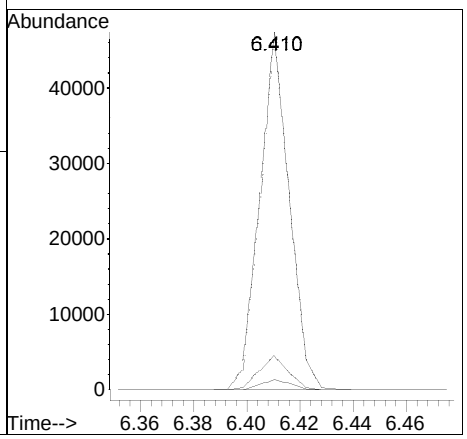


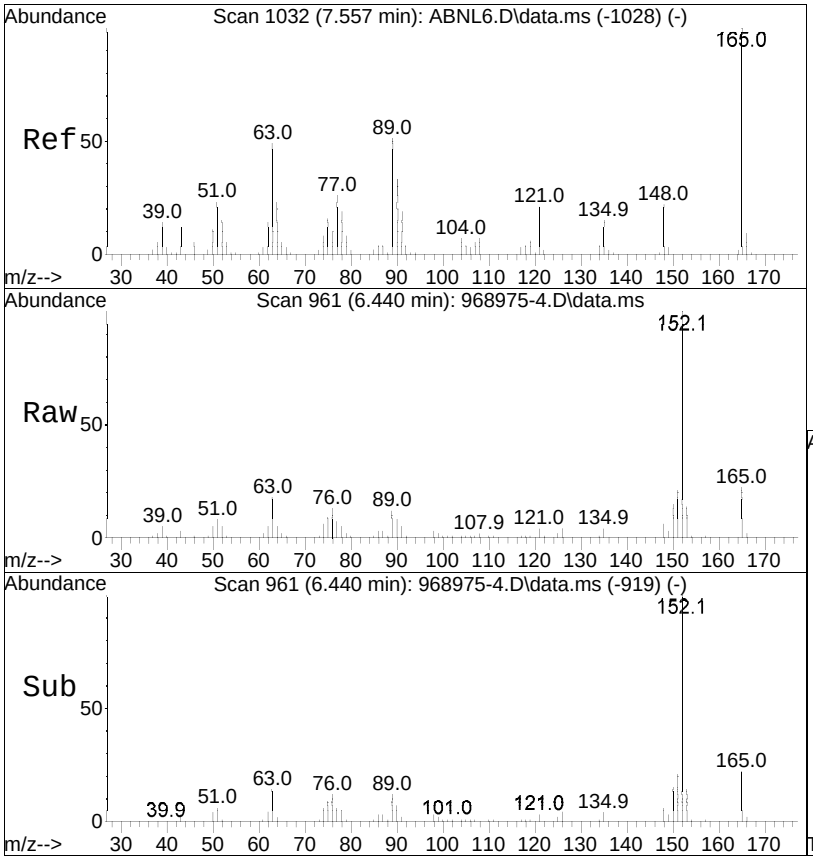


#51
Dimethyl phthalate
Concen: 1.56 ug/ml
RT: 6.410 min Scan# 956
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:163 Resp: 35891

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	9.7	8.2	12.2

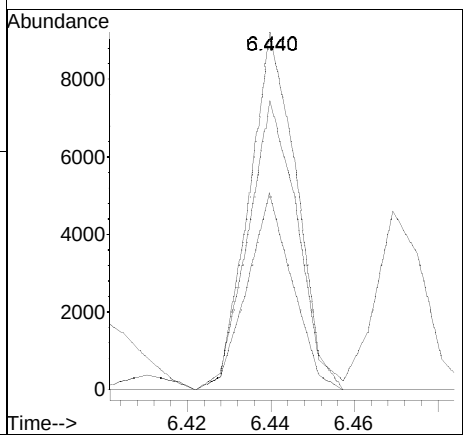


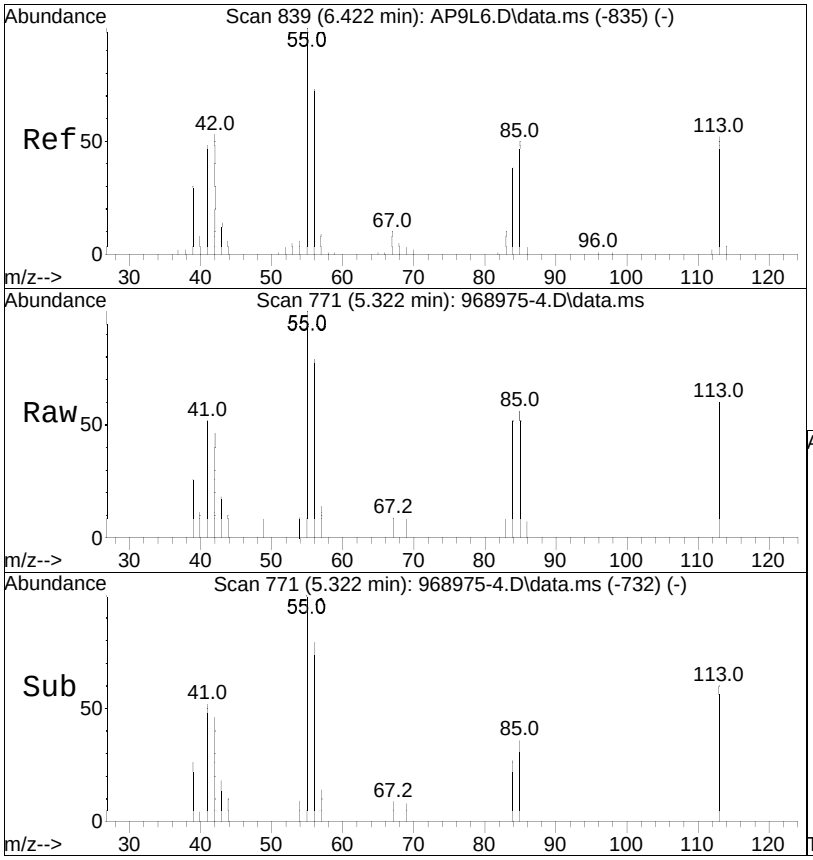


#53
2,6-Dinitrotoluene
Concen: 1.67 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:165 Resp: 7217

Ion	Ratio	Lower	Upper
165	100		
89	52.8	48.8	73.2
63	84.7	50.5	75.7#

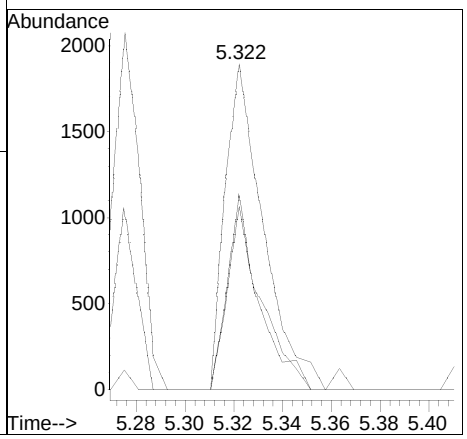


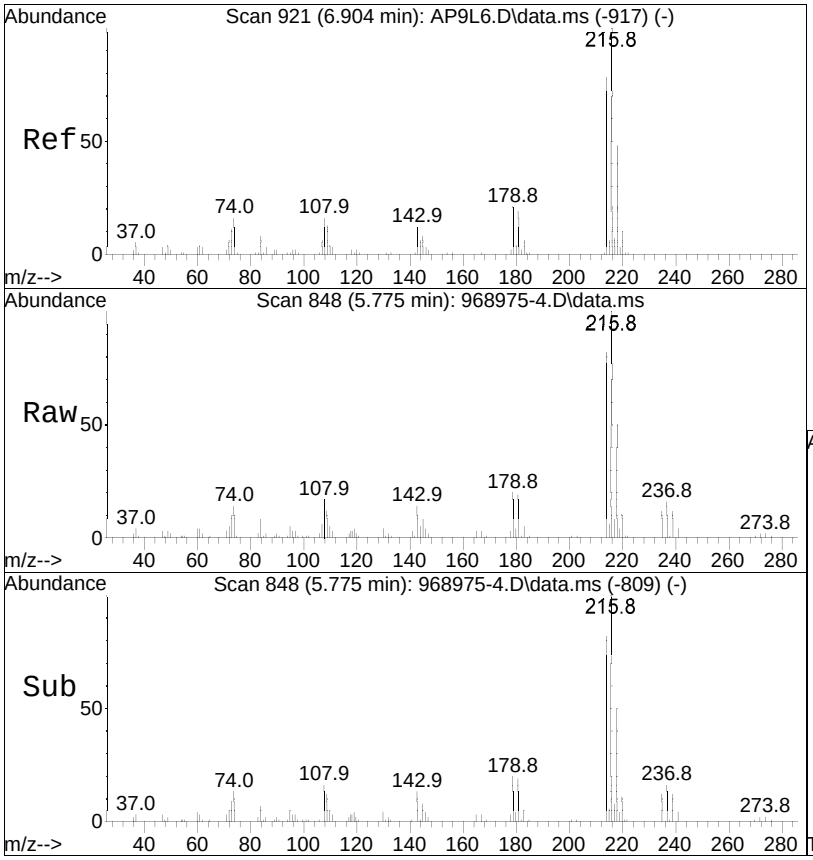


#60
Caprolactam
Concen: 0.93 ug/ml
RT: 5.322 min Scan# 771
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 55 Resp: 2107

Ion	Ratio	Lower	Upper
55	100		
85	48.8	35.2	52.8
113	48.6	36.6	55.0

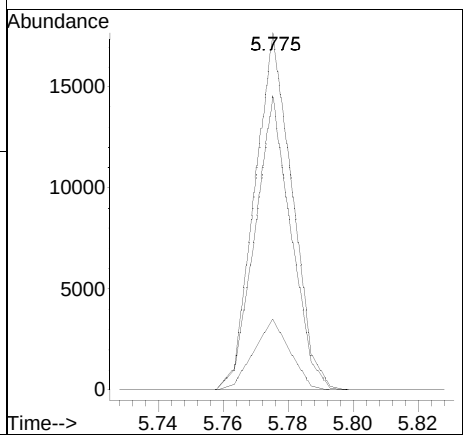


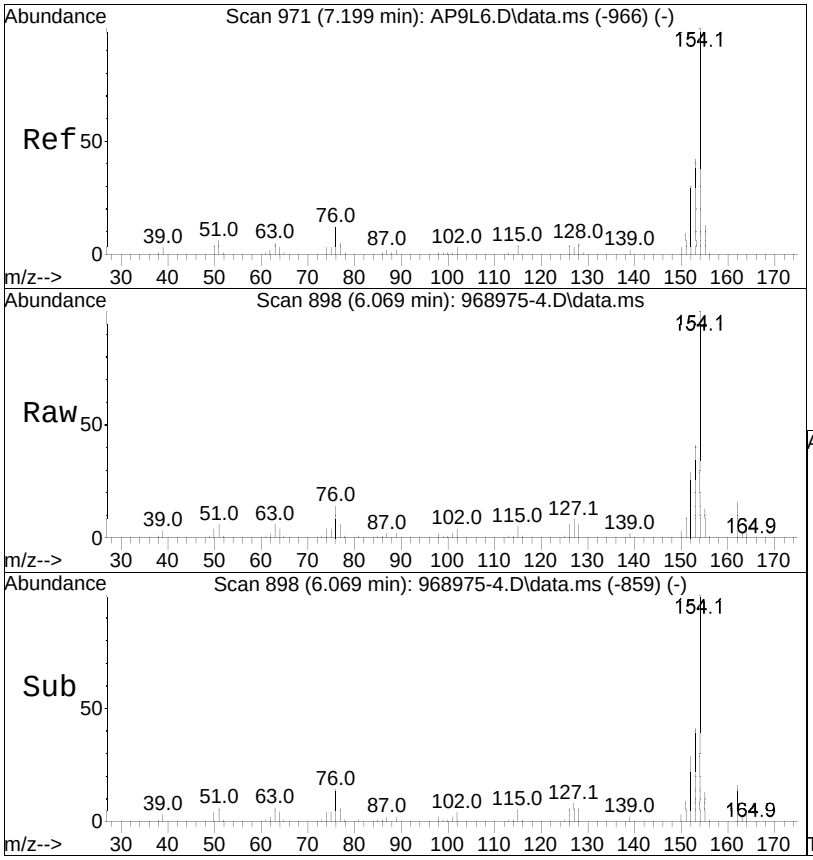


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.18 ug/ml
RT: 5.775 min Scan# 848
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:216 Resp: 14163

Ion	Ratio	Lower	Upper
216	100		
214	79.2	64.0	96.0
179	19.1	18.7	28.1

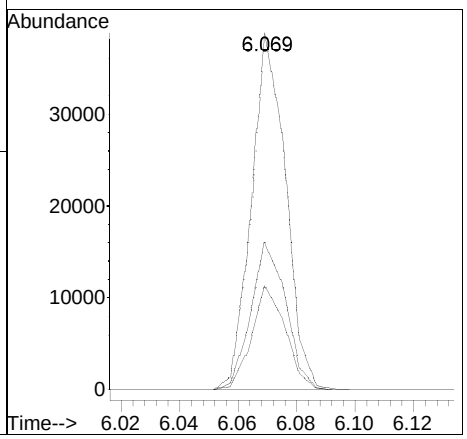


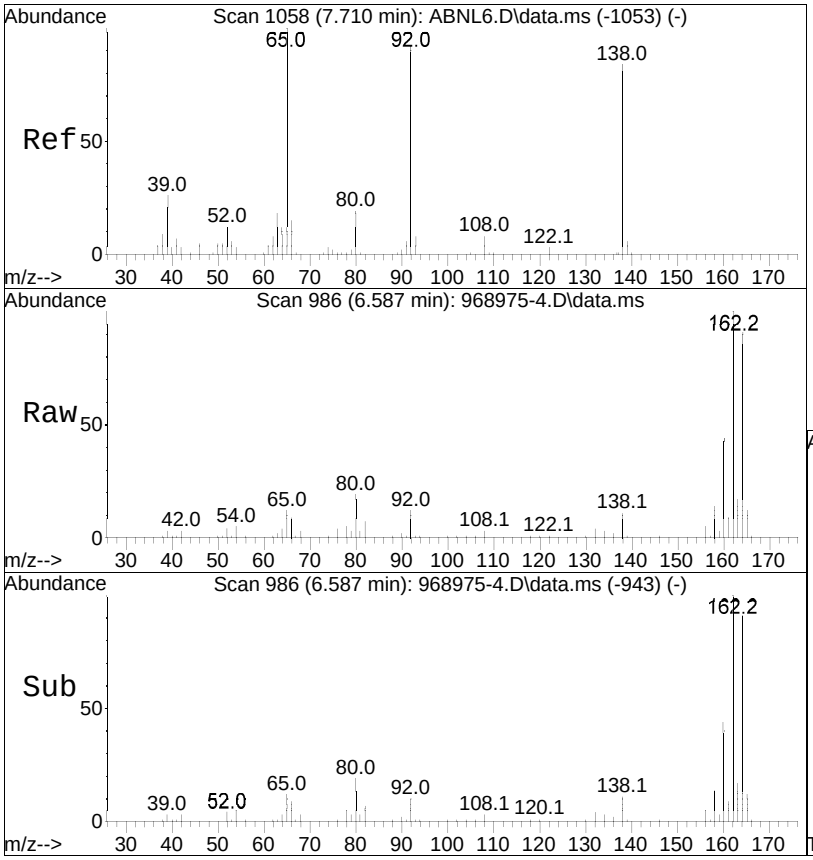


#62
Biphenyl
Concen: 1.22 ug/ml
RT: 6.069 min Scan# 898
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:154 Resp: 31273

Ion	Ratio	Lower	Upper
154	100		
153	42.6	32.5	48.7
152	29.2	22.6	34.0

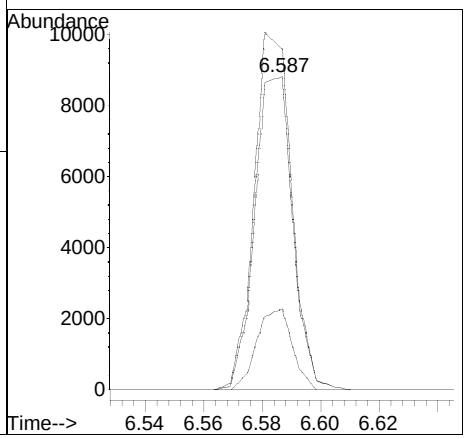


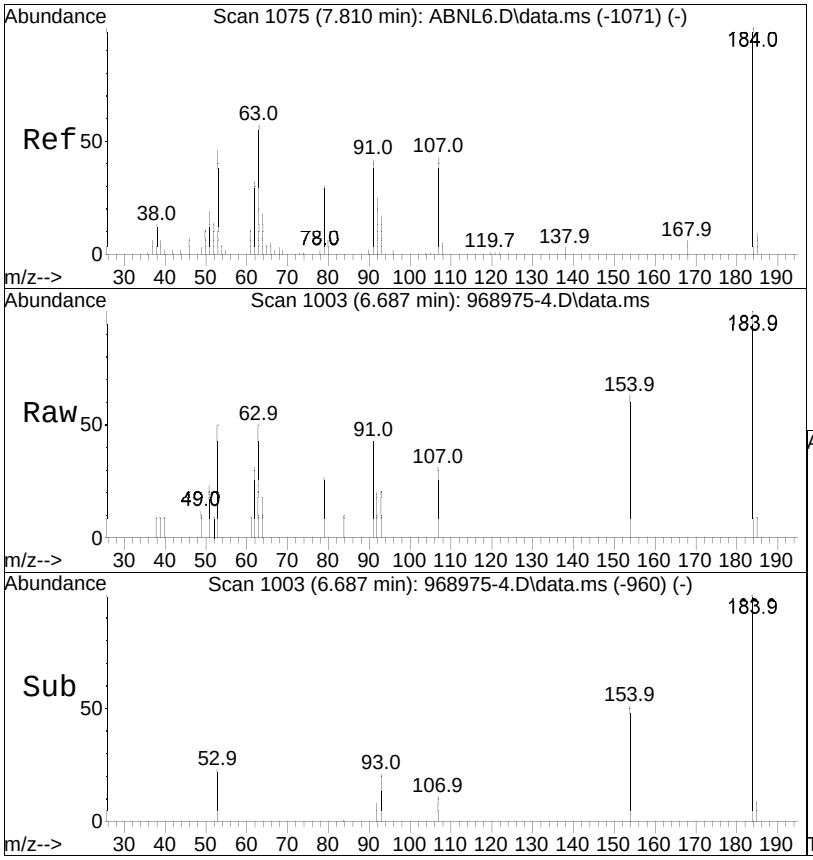


#64
3-Nitroaniline
Concen: 1.64 ug/ml
RT: 6.587 min Scan# 986
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:138 Resp: 7852

Ion	Ratio	Lower	Upper
138	100		
92	112.6	92.8	139.2
108	24.3	7.9	11.9#

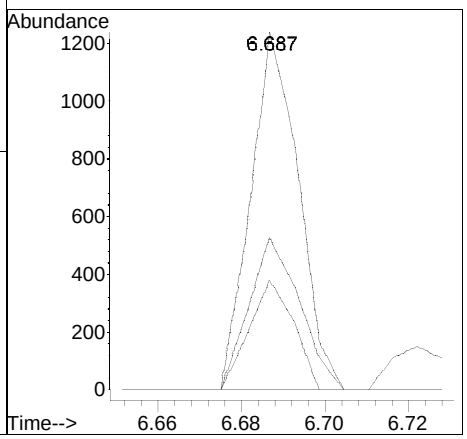


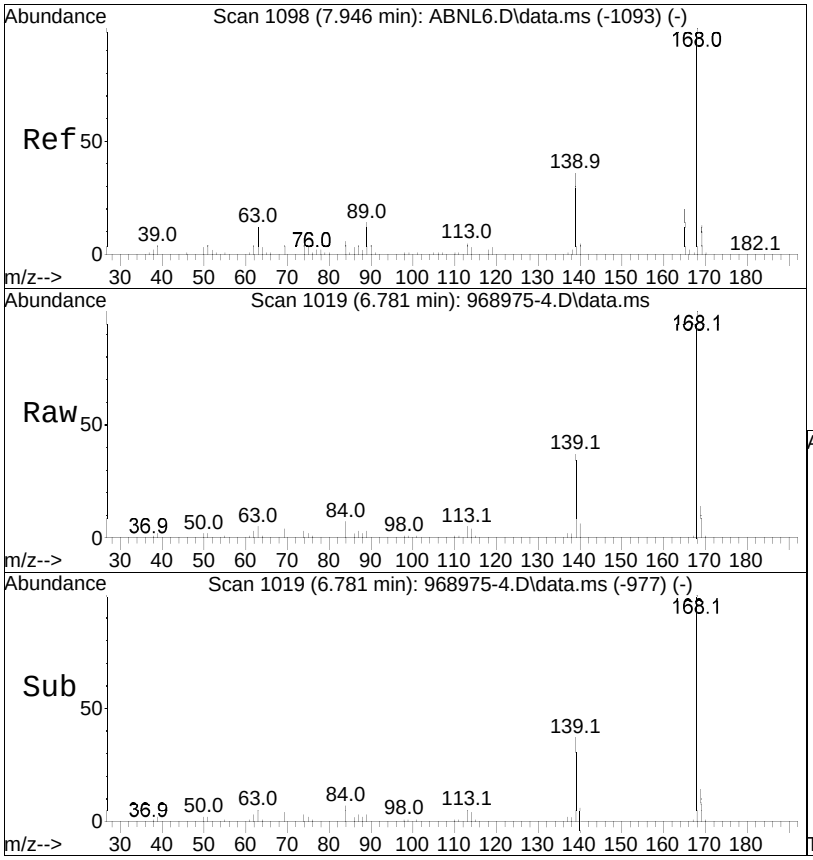


#66
2,4-Dinitrophenol
Concen: 0.73 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:184 Resp: 974

Ion	Ratio	Lower	Upper
184	100		
107	0.0	41.8	62.6#
91	95.3	44.2	66.2#

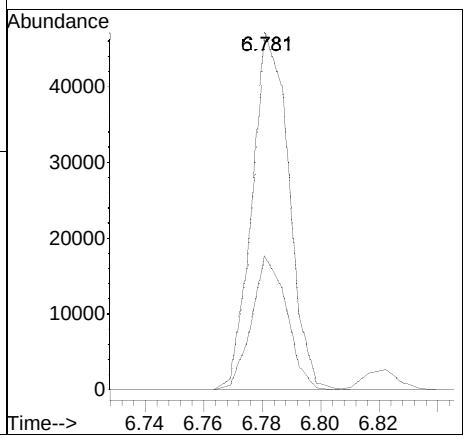


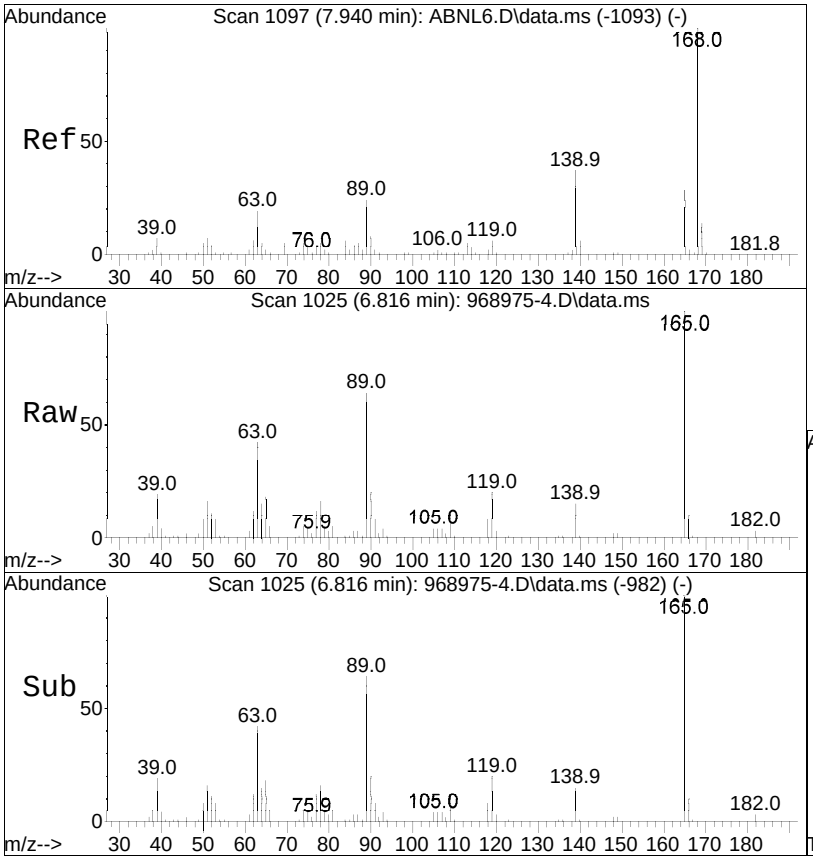


#67
Dibenzofuran
Concen: 1.39 ug/ml
RT: 6.781 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:168 Resp: 40784

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

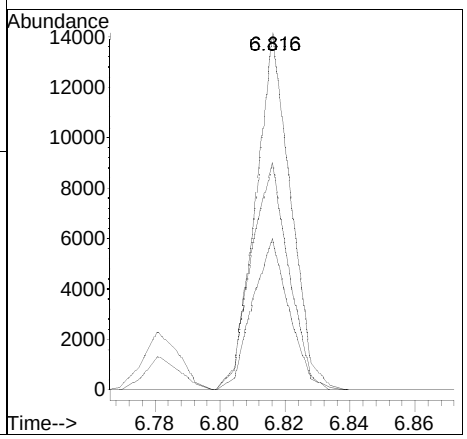


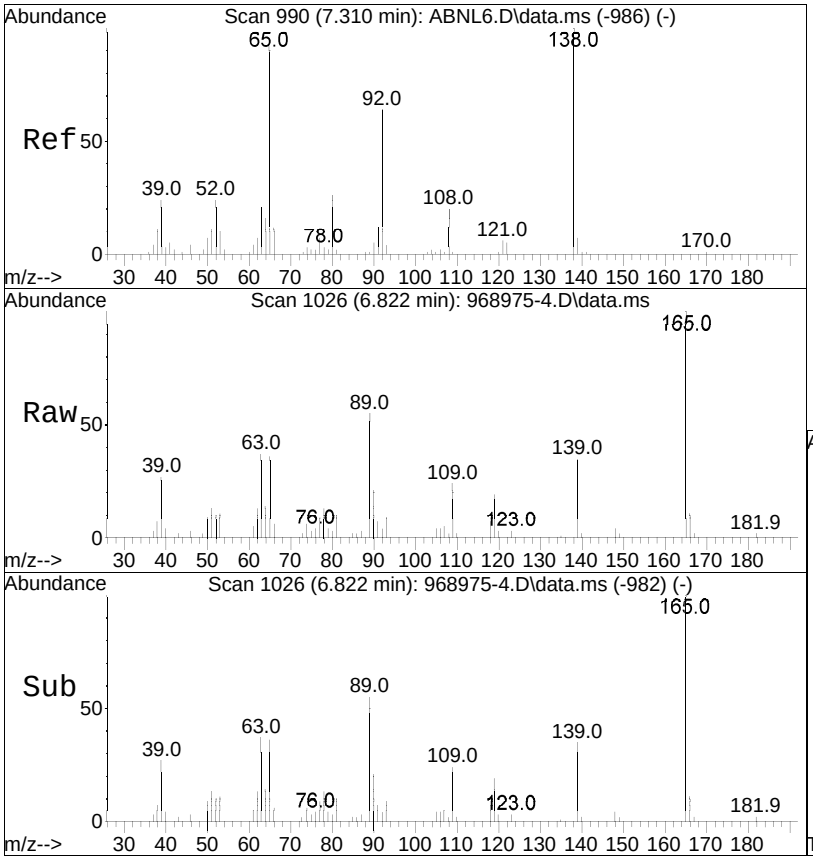


#68
2,4-Dinitrotoluene
Concen: 1.72 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:165 Resp: 10532

Ion	Ratio	Lower	Upper
165	100		
89	68.1	73.0	109.4#
63	44.6	56.3	84.5#

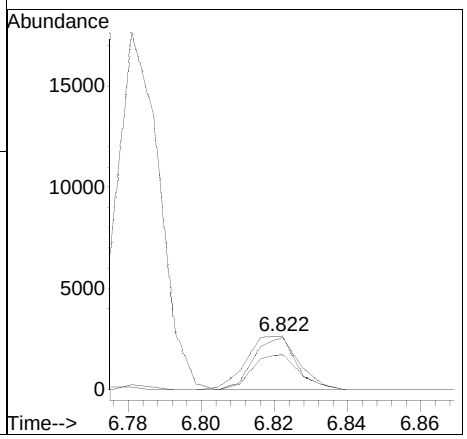


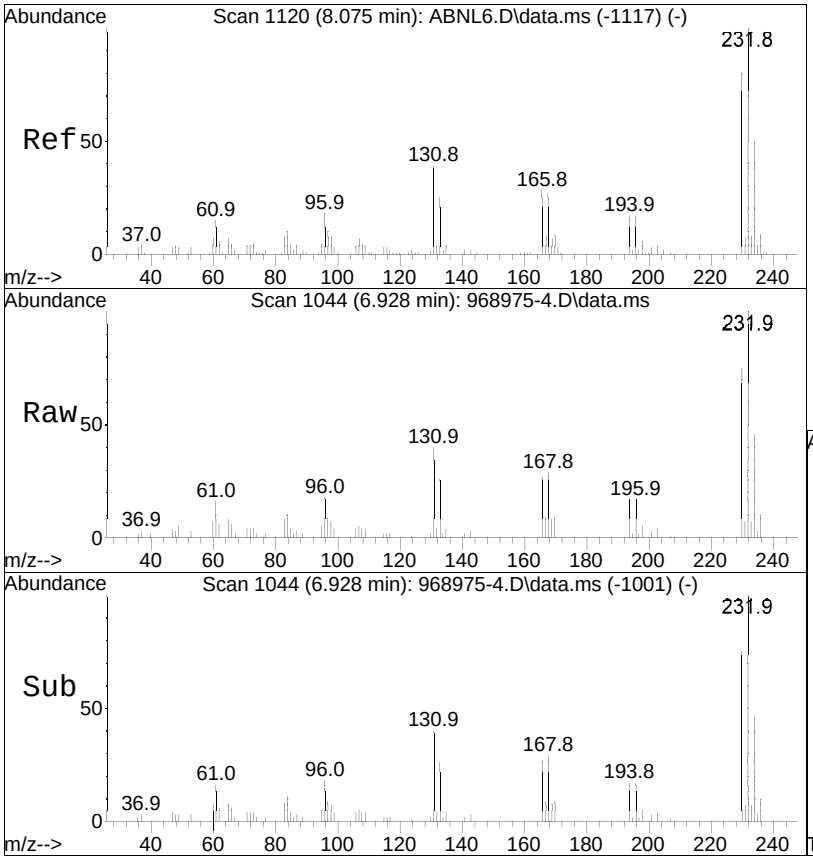


#69
4-Nitrophenol
Concen: 0.54 ug/ml
RT: 6.822 min Scan# 1026
Delta R.T. 0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 65 Resp: 2497

Ion	Ratio	Lower	Upper
65	100		
109	62.4	60.2	90.2
139	89.0	81.1	121.7

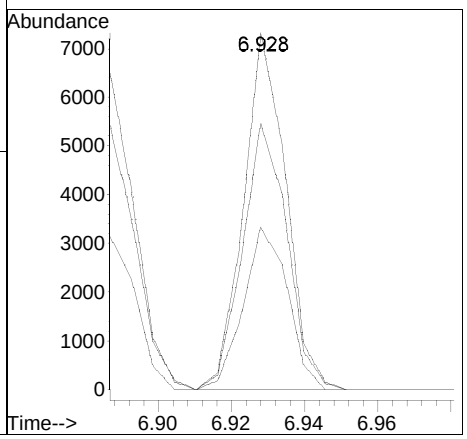


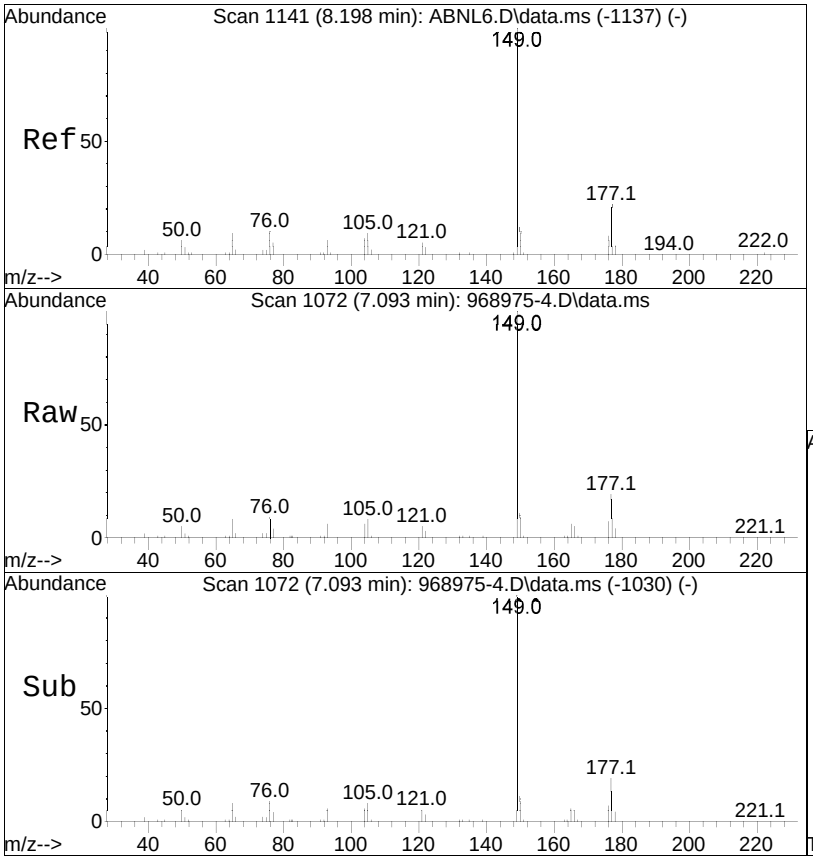


#71
2,3,4,6-Tetrachlorophenol
Concen: 0.99 ug/ml
RT: 6.928 min Scan# 1044
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:232 Resp: 5879

Ion	Ratio	Lower	Upper
232	100		
230	78.5	63.8	95.8
234	47.7	39.0	58.6

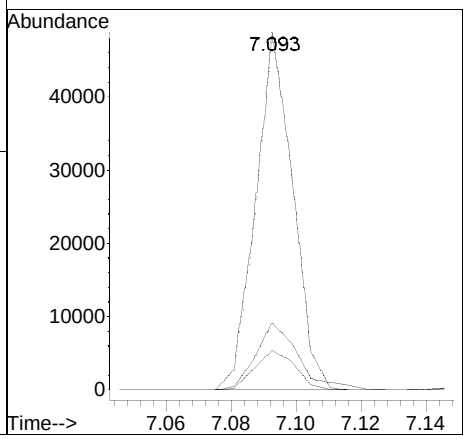


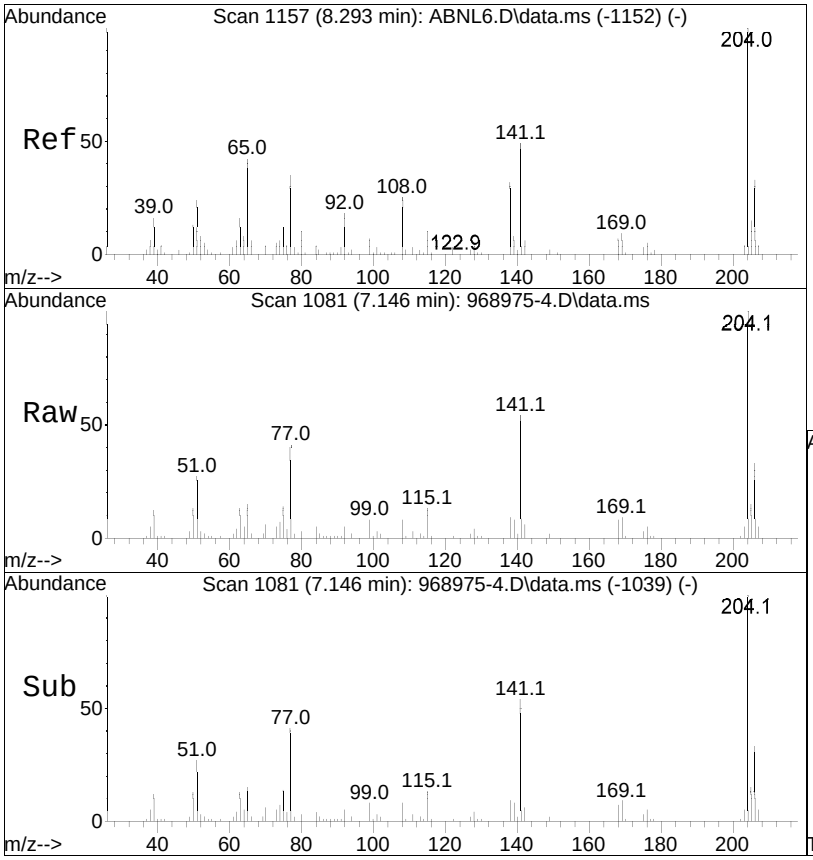


#72
Diethyl phthalate
Concen: 1.61 ug/ml
RT: 7.093 min Scan# 1072
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:149 Resp: 38213

Ion	Ratio	Lower	Upper
149	100		
177	21.7	15.0	22.6
150	12.2	9.8	14.6

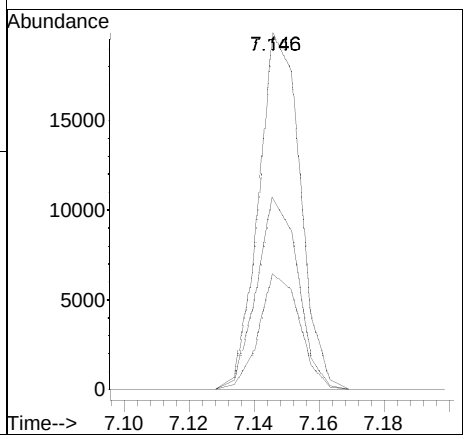


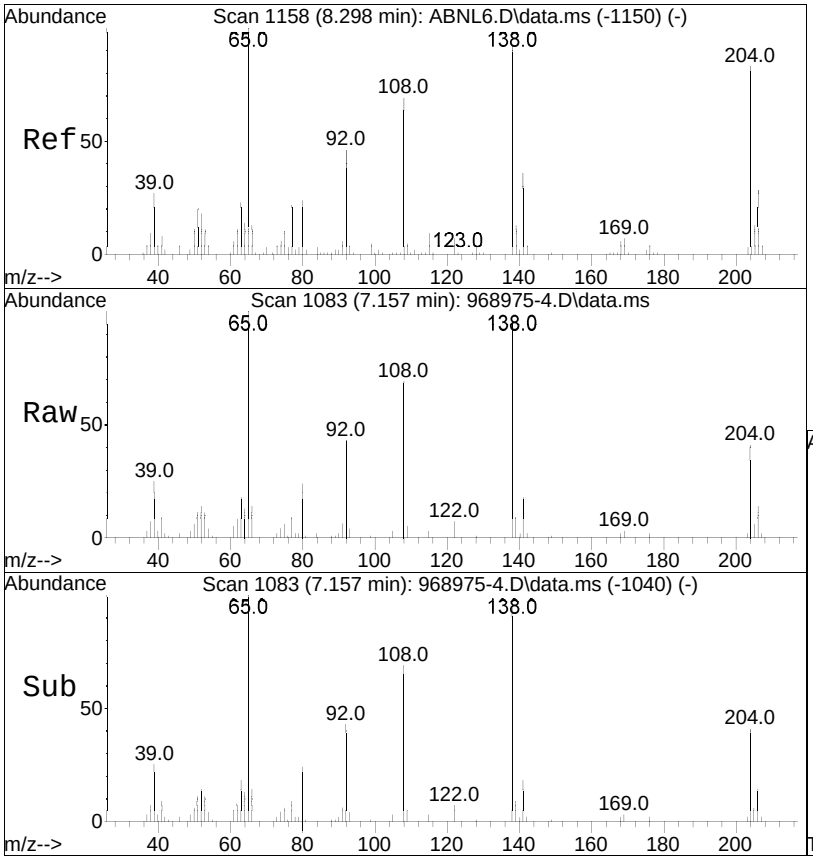


#74
4-Chlorophenyl phenyl ether
Concen: 1.40 ug/ml
RT: 7.146 min Scan# 1081
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:204 Resp: 17519

Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.3	39.5
141	53.5	58.4	87.6#

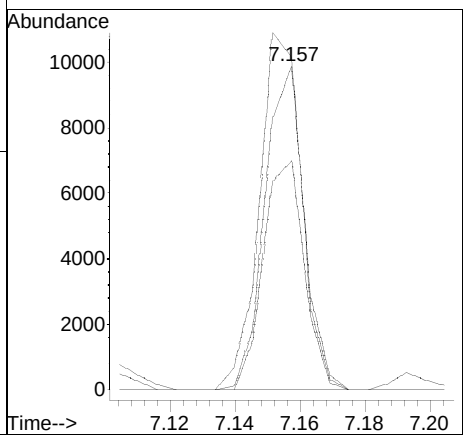


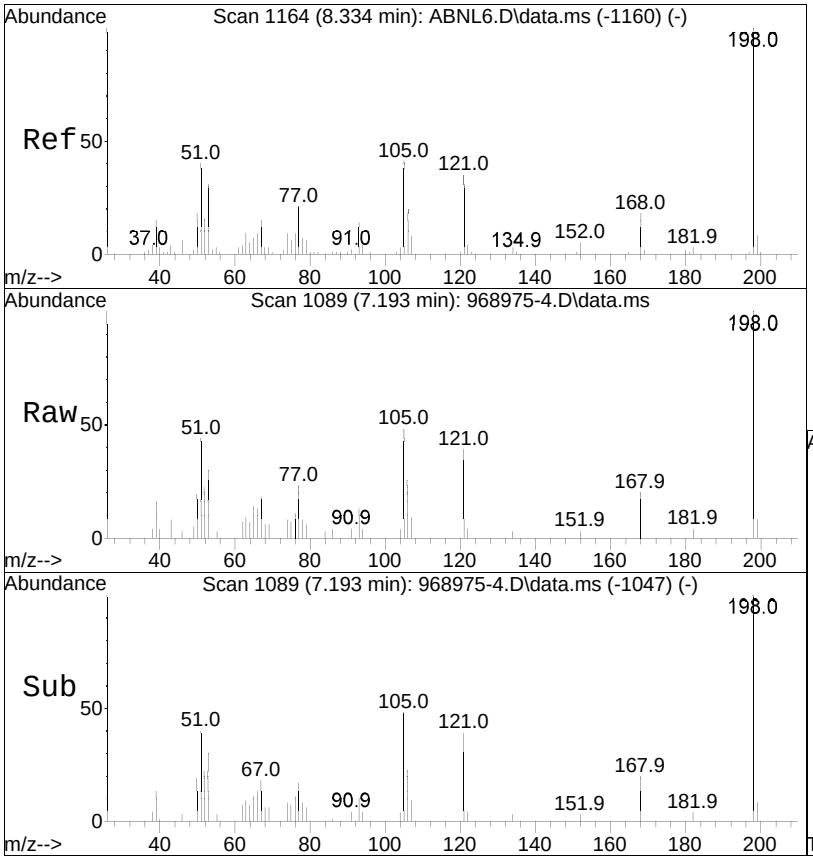


#75
4-Nitroaniline
Concen: 1.64 ug/ml
RT: 7.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:138 Resp: 8248

Ion	Ratio	Lower	Upper
138	100		
108	73.9	59.2	88.8
65	118.0	97.6	146.4

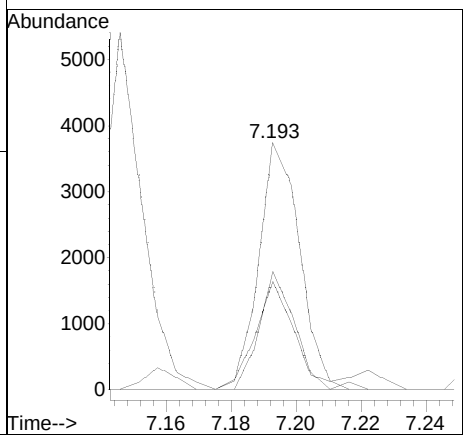


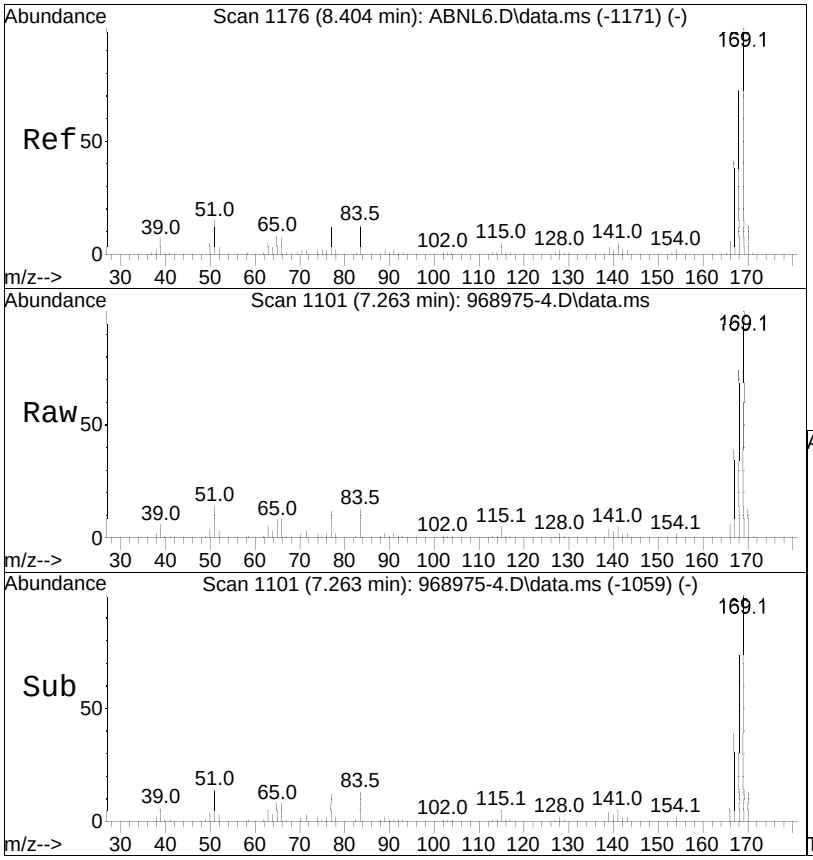


#76
4,6-Dinitro-o-cresol
Concen: 1.02 ug/ml
RT: 7.193 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:198 Resp: 3263

Ion	Ratio	Lower	Upper
198	100		
51	41.8	49.9	74.9#
105	42.0	45.8	68.6#

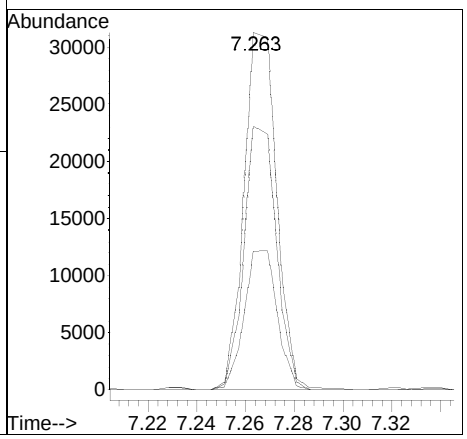


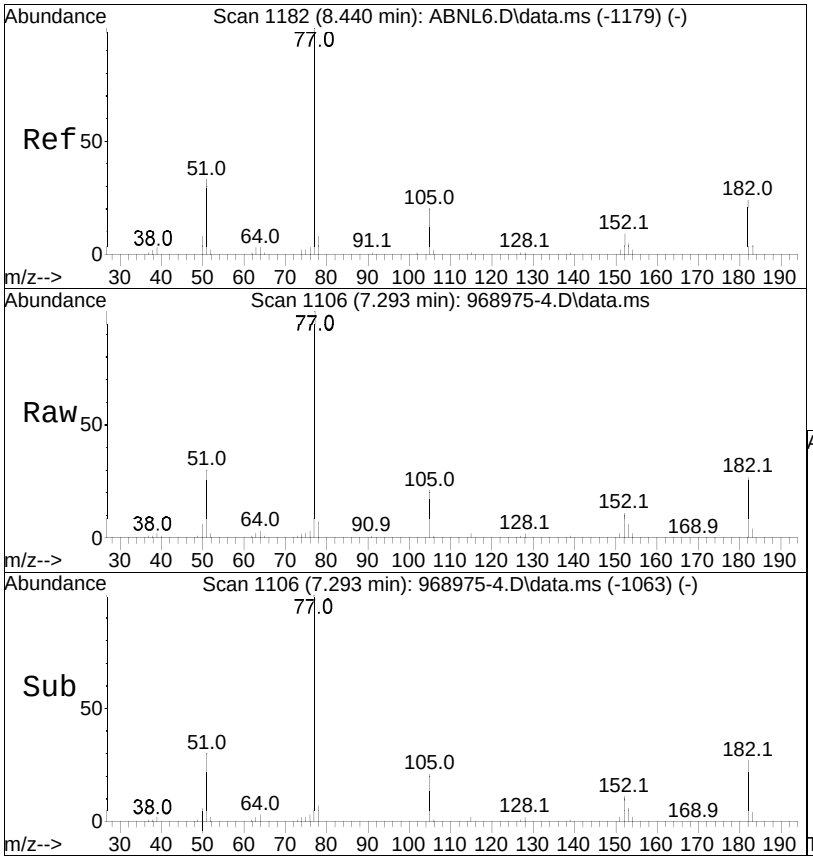


#77
NDPA/DPA
Concen: 1.49 ug/ml
RT: 7.263 min Scan# 1101
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:169 Resp: 29256

Ion	Ratio	Lower	Upper
169	100		
168	72.6	55.2	82.8
167	39.3	30.4	45.6

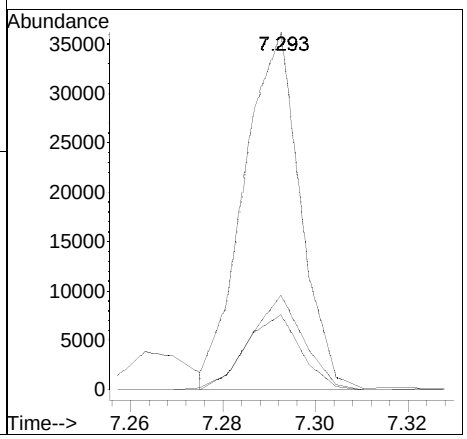


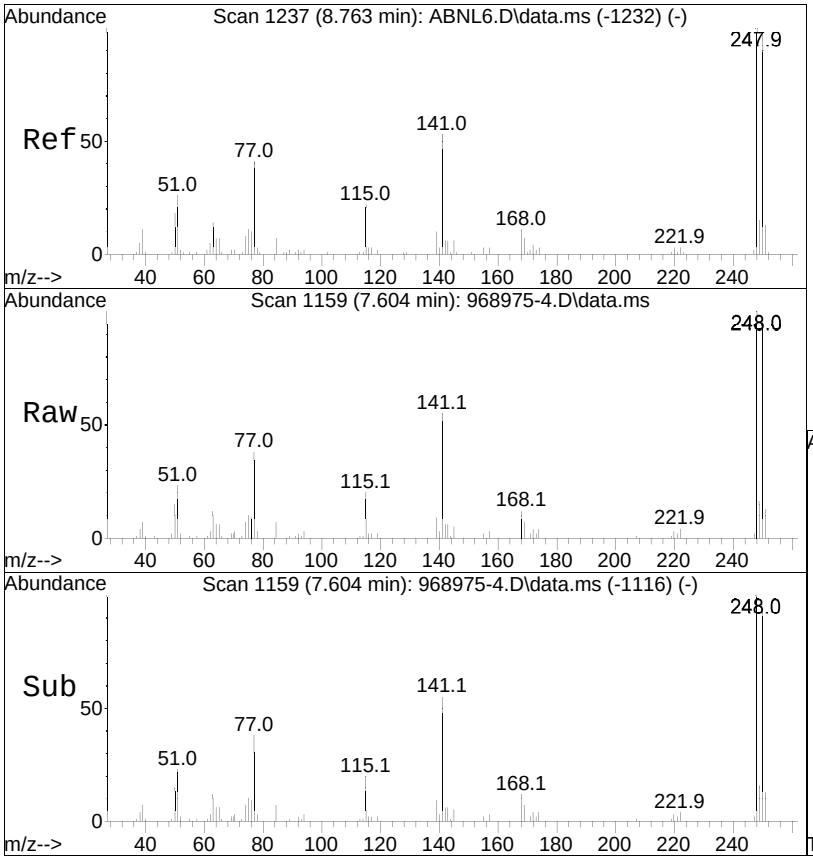


#78
Azobenzene
Concen: 1.45 ug/ml M6
RT: 7.293 min Scan# 1106
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion: 77 Resp: 30380

Ion	Ratio	Lower	Upper
77	100		
182	25.1	16.2	24.2#
105	20.9	17.9	26.9

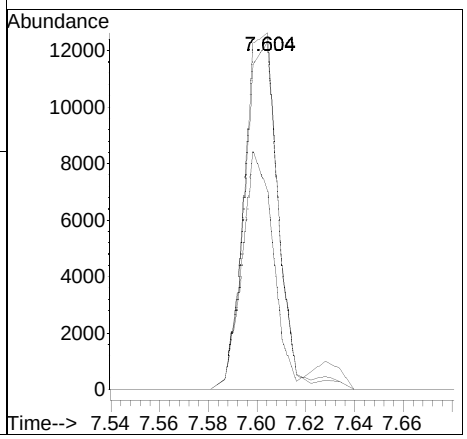


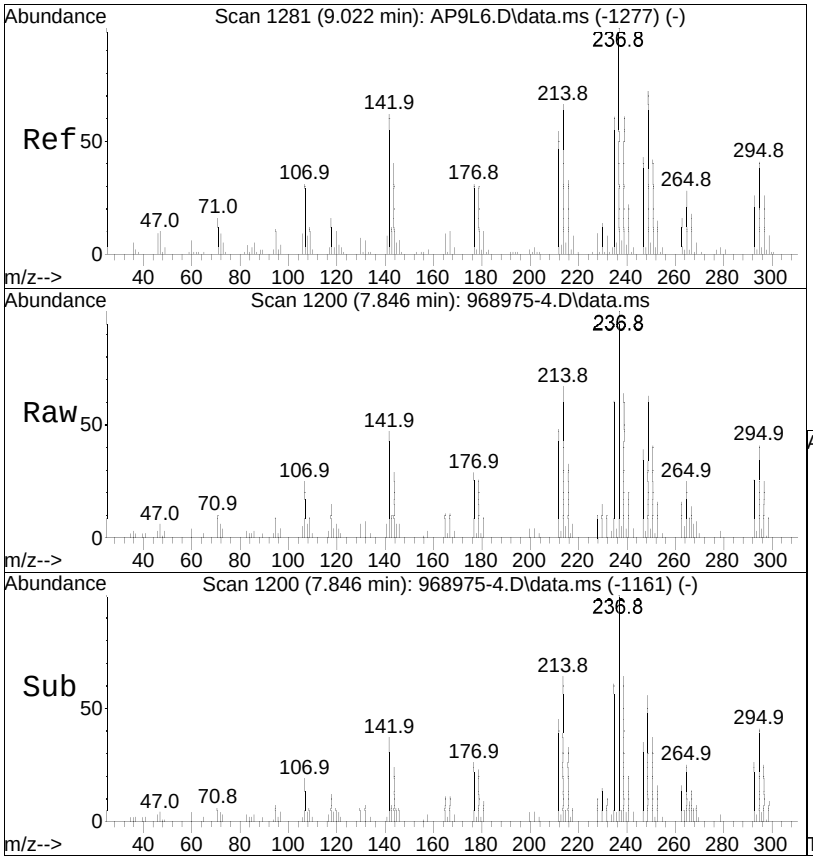


#80
4-Bromophenyl phenyl ether
Concen: 1.52 ug/ml
RT: 7.604 min Scan# 1159
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:248 Resp: 12119

Ion	Ratio	Lower	Upper
248	100		
141	63.2	74.6	111.8#
250	97.5	76.9	115.3

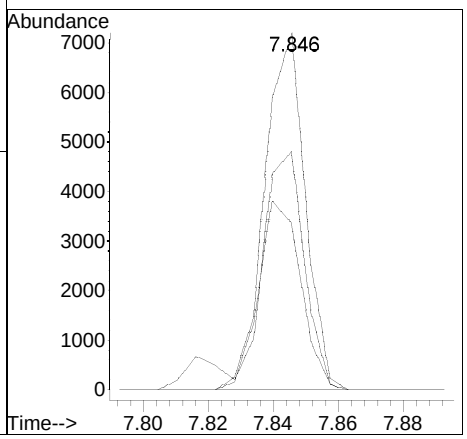


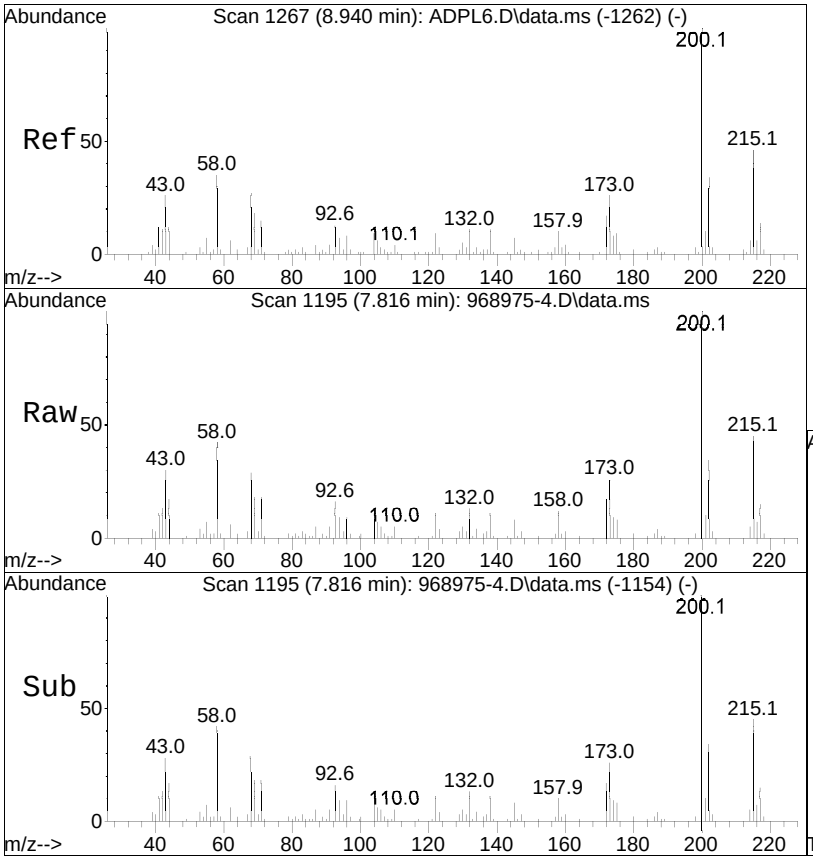


#85
Pentachloronitrobenzene
Concen: 1.65 ug/ml
RT: 7.846 min Scan# 1200
Delta R.T. -0.018 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:237 Resp: 6215

Ion	Ratio	Lower	Upper
237	100		
142	55.5	70.3	105.5#
214	76.1	59.4	89.2

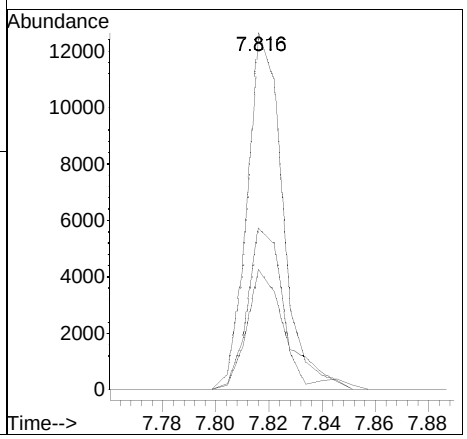


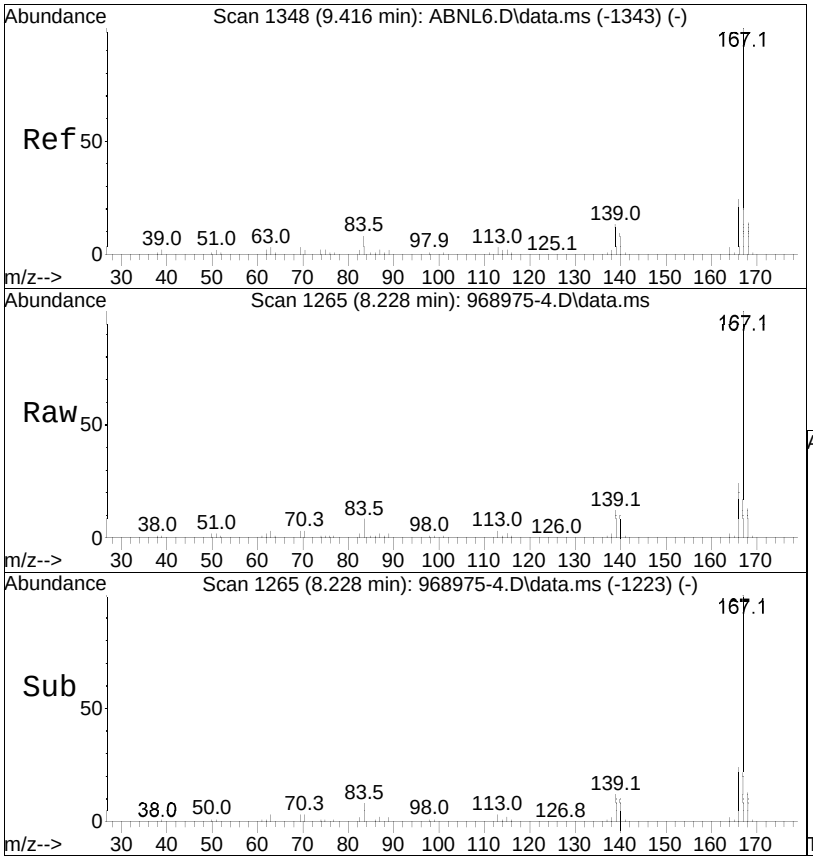


#87
Atrazine
Concen: 1.65 ug/ml
RT: 7.816 min Scan# 1195
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:200 Resp: 11668

Ion	Ratio	Lower	Upper
200	100		
202	39.1	25.0	37.6#
215	46.1	34.5	51.7

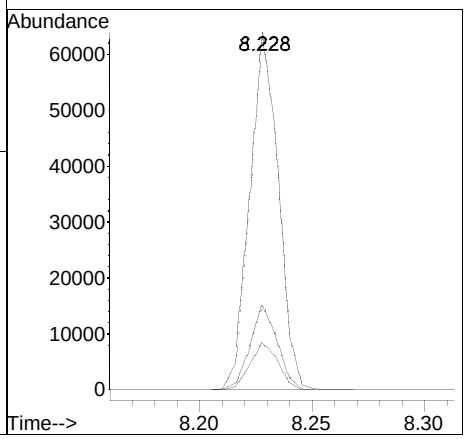


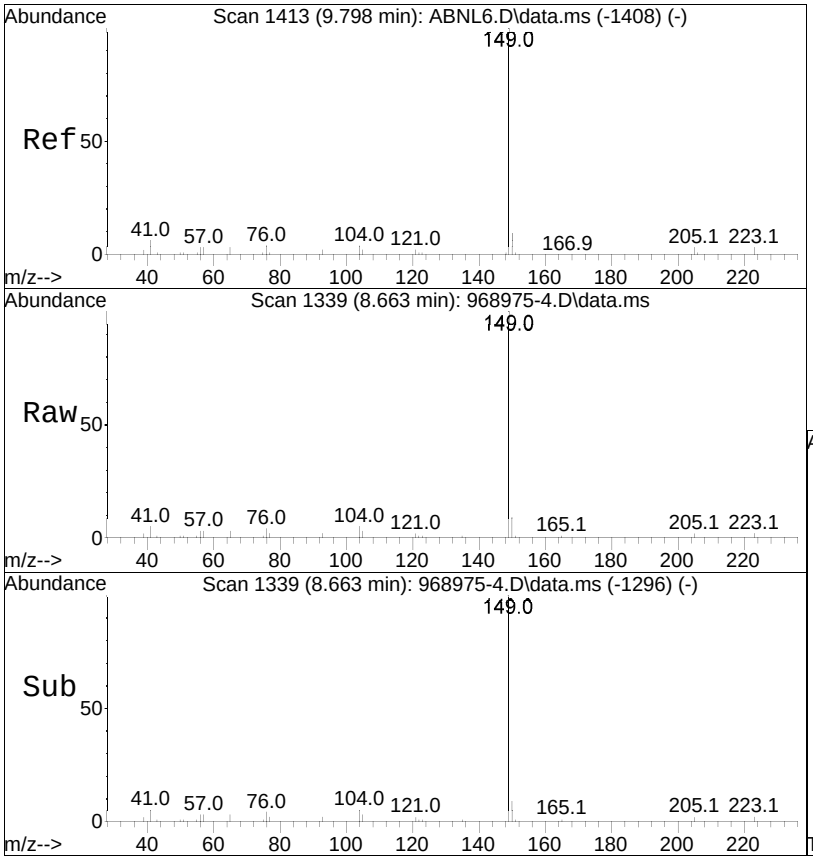


#91
Carbazole
Concen: 1.69 ug/ml
RT: 8.228 min Scan# 1265
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:167 Resp: 55955

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.8	16.2
166	22.7	17.7	26.5

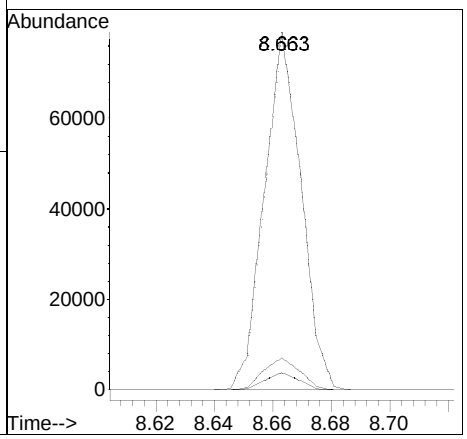


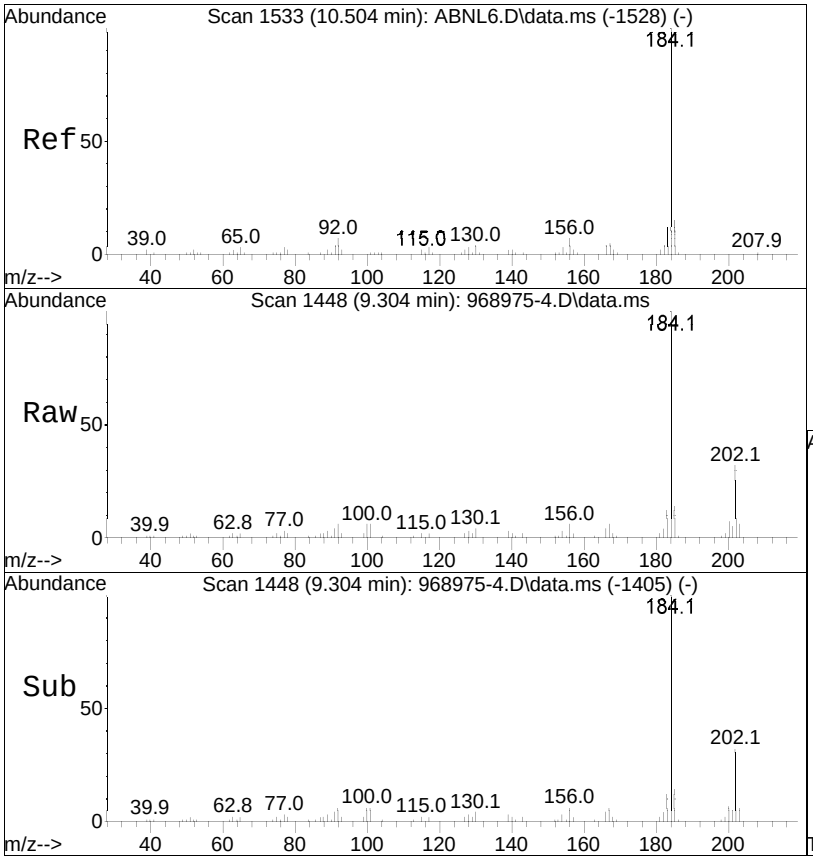


#92
Di-n-butylphthalate
Concen: 1.89 ug/ml
RT: 8.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:149 Resp: 68045

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.6	4.0	6.0

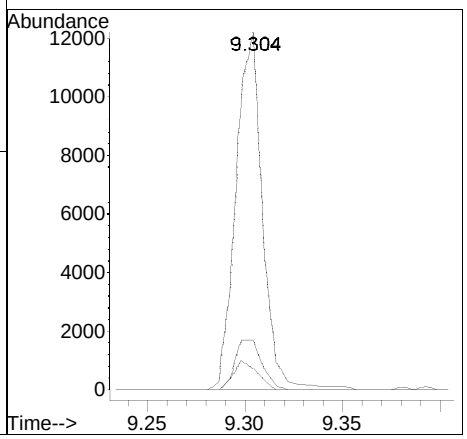


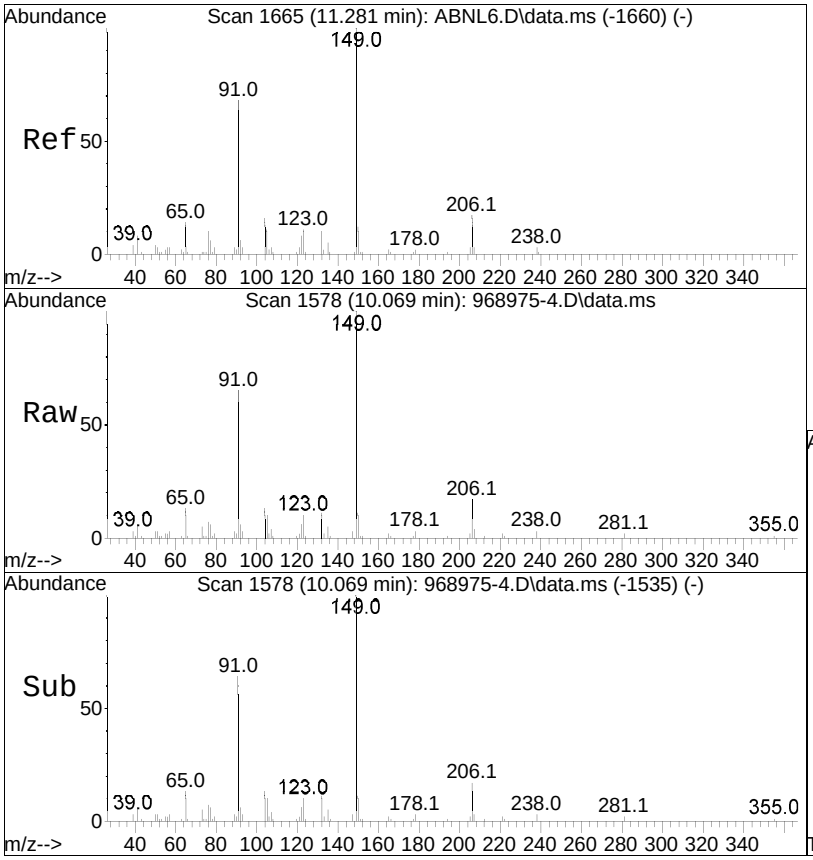


#94
Benzidine
Concen: 0.49 ug/ml
RT: 9.304 min Scan# 1448
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:184 Resp: 11473

Ion	Ratio	Lower	Upper
184	100		
92	7.4	7.3	10.9
185	14.2	11.8	17.8

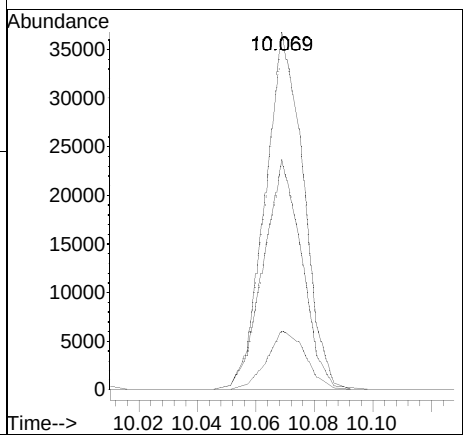


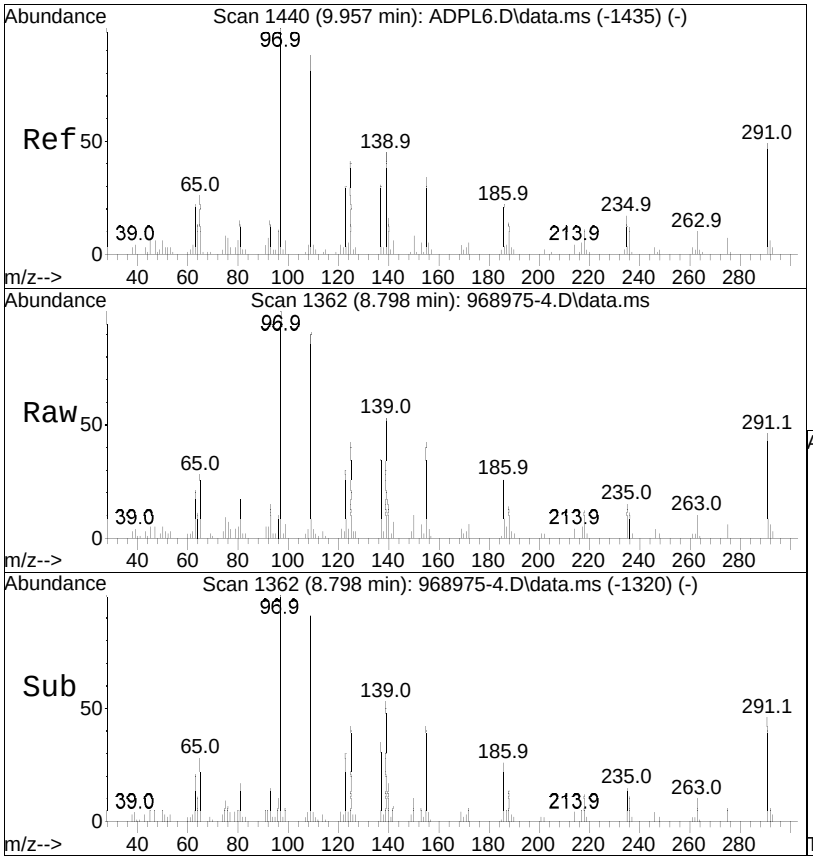


#97
Butyl benzyl phthalate
Concen: 2.08 ug/ml
RT: 10.069 min Scan# 1578
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:149 Resp: 33221

Ion	Ratio	Lower	Upper
149	100		
91	65.0	57.9	86.9
206	16.6	11.9	17.9

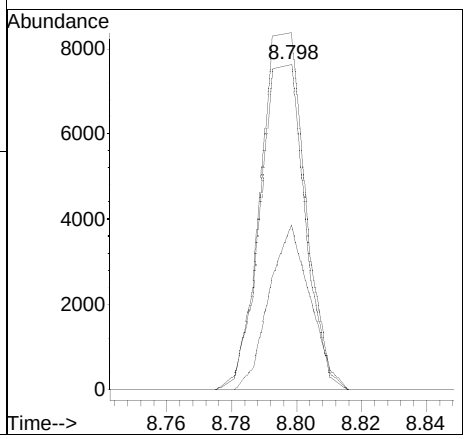


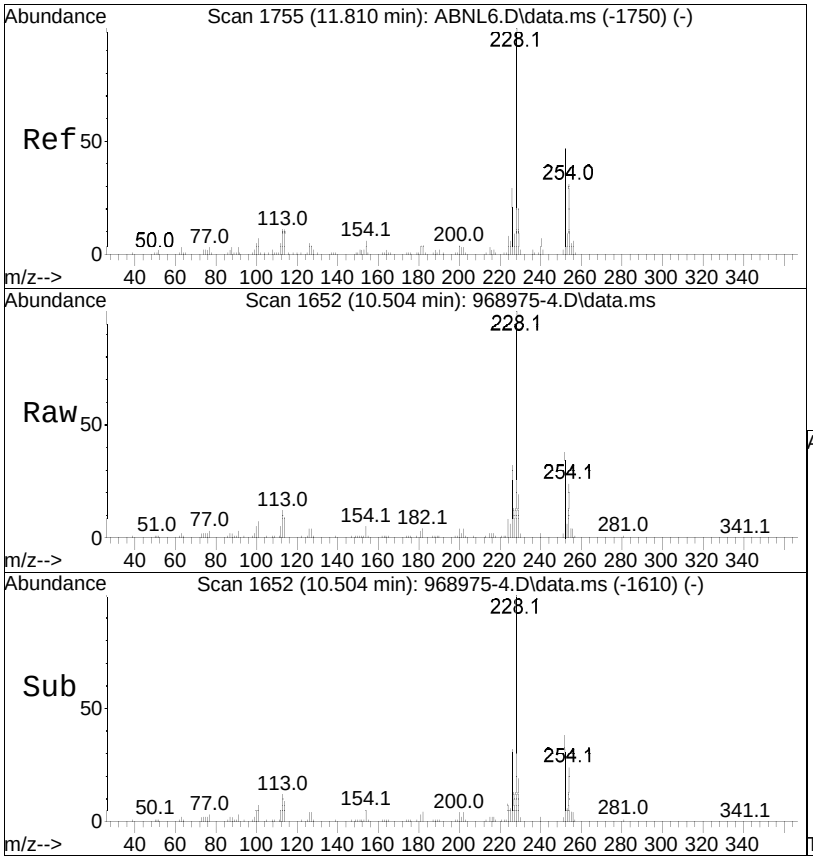


#102
Parathion
Concen: 2.44 ug/ml
RT: 8.798 min Scan# 1362
Delta R.T. -0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:109 Resp: 7261

Ion	Ratio	Lower	Upper
109	100		
97	110.4	85.4	128.2
291	46.6	25.4	38.2#

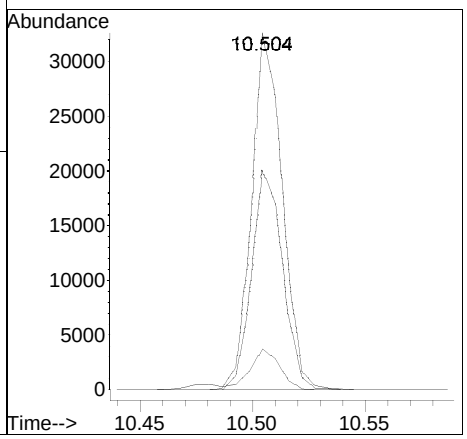


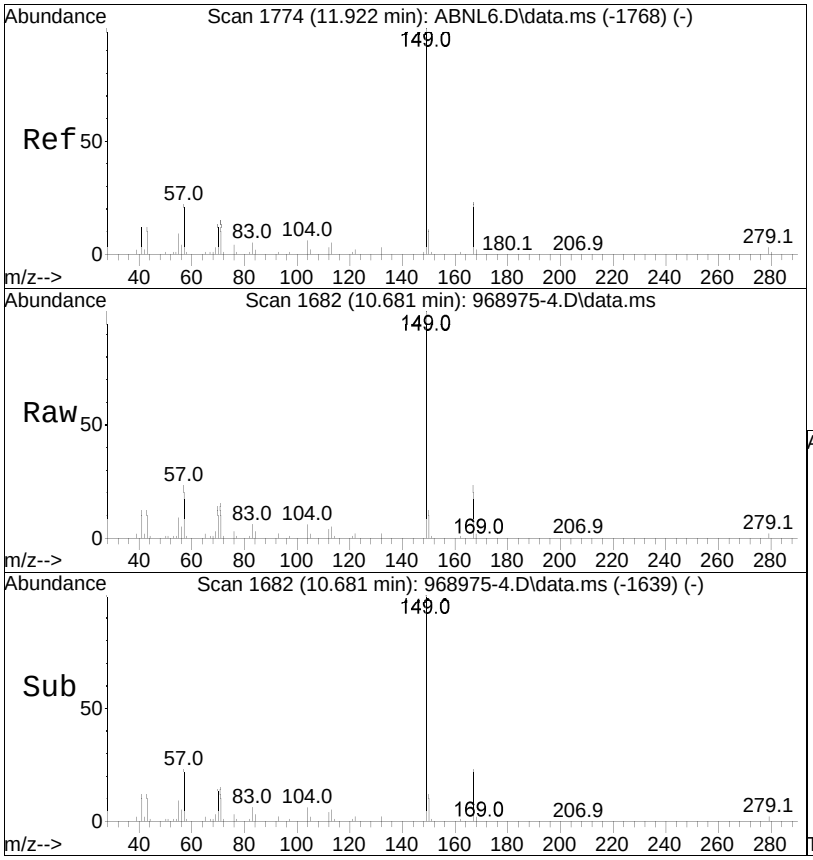


#106
3,3'-Dichlorobenzidine
Concen: 1.57 ug/ml
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:252 Resp: 30653

Ion	Ratio	Lower	Upper
252	100		
126	13.0	12.6	19.0
254	62.4	51.1	76.7

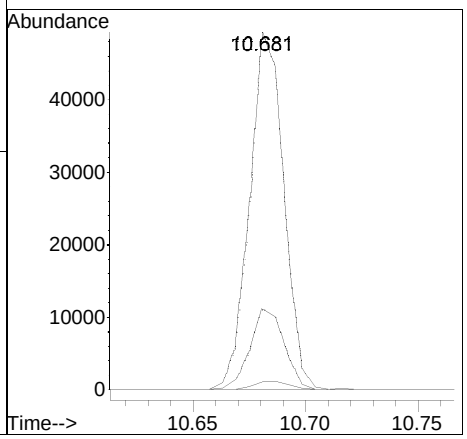


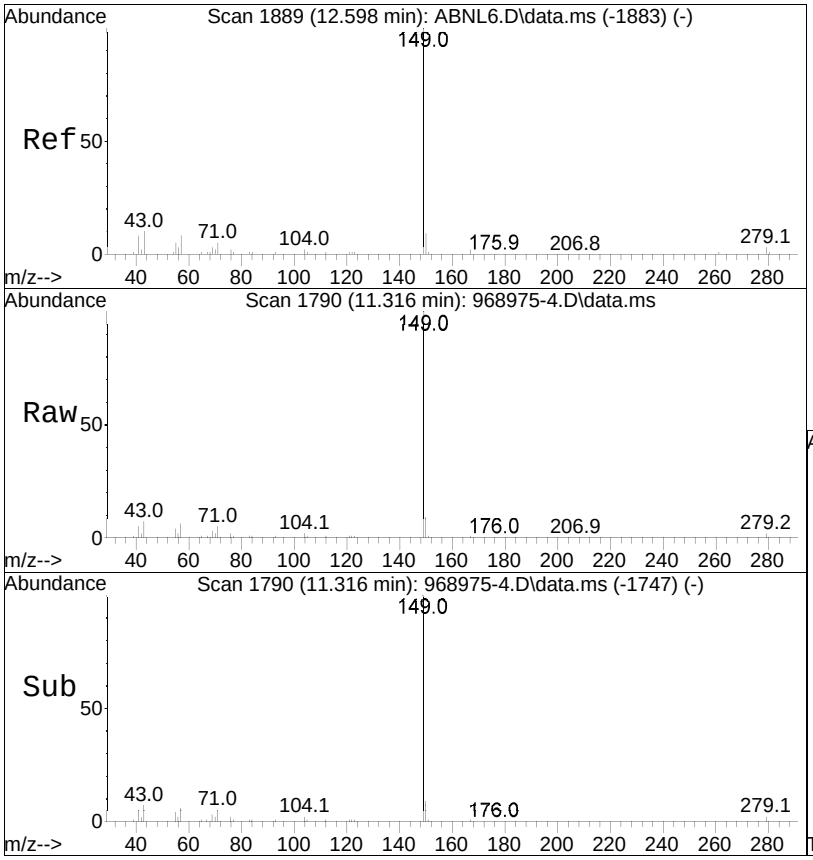


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.93 ug/ml
RT: 10.681 min Scan# 1682
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:149 Resp: 51448

Ion	Ratio	Lower	Upper
149	100		
167	22.8	18.4	27.6
279	2.2	1.7	2.5

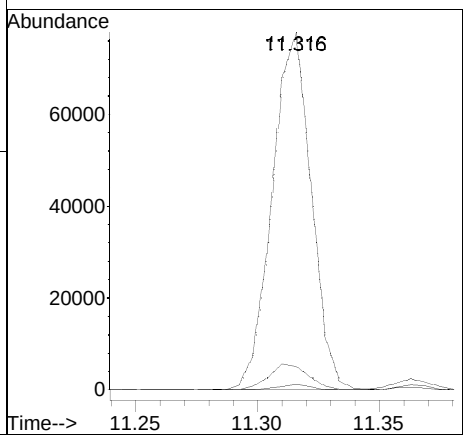




#109
Di-n-octylphthalate
Concen: 2.10 ug/ml
RT: 11.316 min Scan# 1790
Delta R.T. 0.000 min
Lab File: 968975-4.D
Acq: 09 Sep 2024 10:02 pm

Tgt Ion:149 Resp: 85791

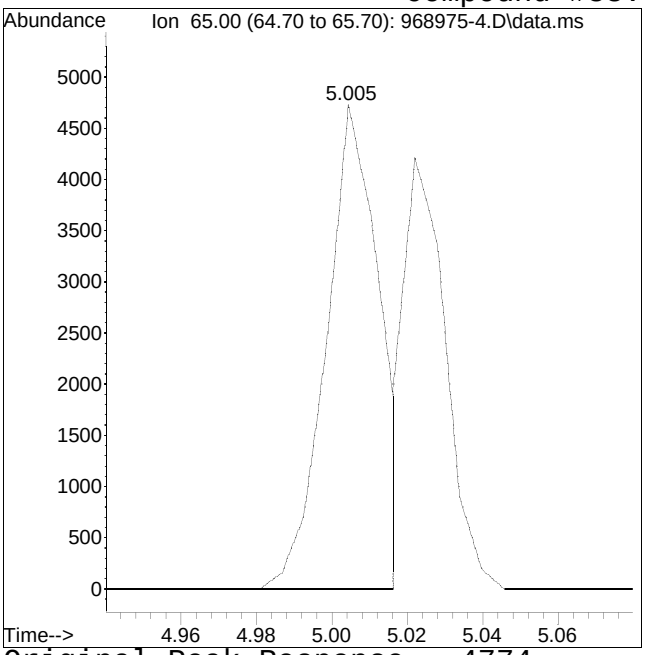
Ion	Ratio	Lower	Upper
149	100		
43	7.3	8.2	12.2#
167	1.3	1.1	1.7

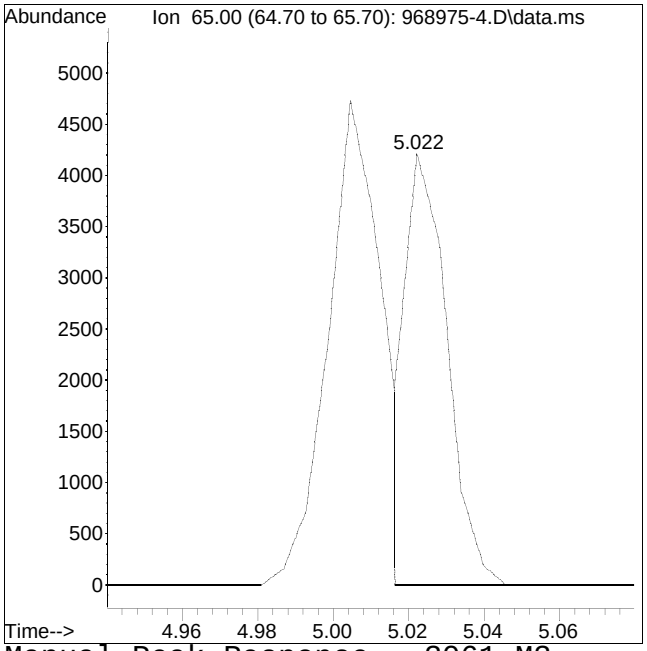


Manual Integration Report

Data Path	: I:\8270\SV112\240909RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 968975-4.D	Operator	: SV112:smz
Date Inj'd	: 9/9/2024 10:02 pm	Instrument	: SV112
Sample	: WG1968975-4,32,,HNY	Quant Date	: 9/9/2024 10:20 pm

Compound #38: 4-Chloroaniline





Original Peak Response = 4774 Manual Peak Response = 3061 M3

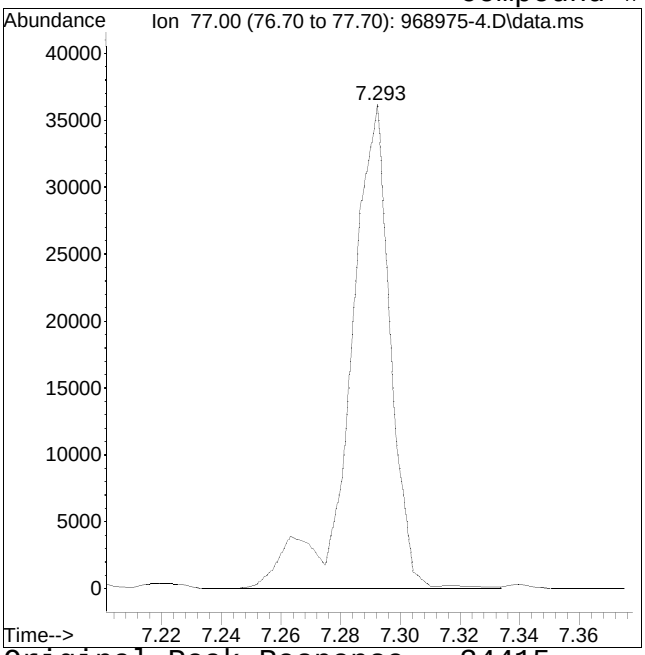
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

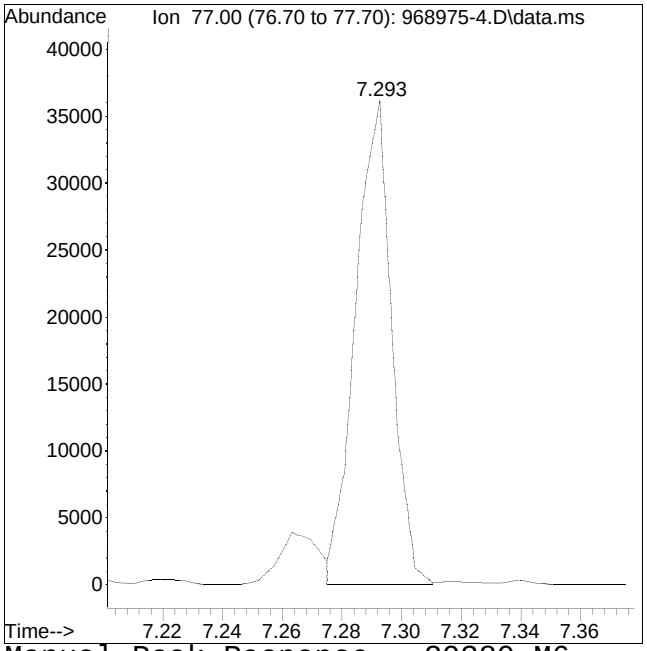
Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-4.D
Date Inj'd : 9/9/2024 10:02 pm
Sample : WG1968975-4,32,,HNY

QMethod : FS240625SV112RVT.m
Operator : SV112:smz
Instrument : SV112
Quant Date : 9/9/2024 10:20 pm

Compound #78: Azobenzene



Original Peak Response = 34415



Manual Peak Response = 30380 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-5.D
Acq On : 09 Sep 2024 10:24 pm
Operator : SV112:smz
Sample : WG1968975-5,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:54:57 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.652	152	26175	4.000	ug/ml	0.00
Standard Area 1 = 31987			Recovery = 81.83%			
27) IS2_1,4-Dichlorobenzen...	3.652	152	26175	4.000	ug/ml	-0.02
Standard Area 3 = 30314			Recovery = 86.35%			
35) IS1_Naphthalene-d8	4.905	136	99143	4.000	ug/ml	0.00
Standard Area 1 = 122680			Recovery = 80.81%			
55) IS2_Naphthalene-d8	4.905	136	99143	4.000	ug/ml	-0.02
Standard Area 3 = 114336			Recovery = 86.71%			
63) IS1_Acenaphthene-d10	6.587	164	61364	4.000	ug/ml	0.00
Standard Area 1 = 82429			Recovery = 74.44%			
83) IS2_Acenaphthene-d10	6.587	164	61364	4.000	ug/ml	-0.02
Standard Area 3 = 74590			Recovery = 82.27%			
86) IS3_Acenaphthene-d10	6.587	164	61364	4.000	ug/ml	0.00
Standard Area 2 = 54174			Recovery = 113.27%			
88) IS1_Phenanthrene-d10	7.975	188	130514	4.000	ug/ml	# 0.00
Standard Area 1 = 192675			Recovery = 67.74%			
100) IS3_Phenanthrene-d10	7.975	188	130514	4.000	ug/ml	# 0.00
Standard Area 2 = 118445			Recovery = 110.19%			
104) IS1_Chrysene-d12	10.481	240	150575	4.000	ug/ml	# 0.00
Standard Area 1 = 210015			Recovery = 71.70%			
113) IS1_Perylene-d12	11.834	264	179713	4.000	ug/ml	0.00
Standard Area 1 = 248461			Recovery = 72.33%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.264	112	3645	0.530	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.50%			
7) Phenol-d6	3.387	99	4989	0.562	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.10%			
19) Nitrobenzene-d5	4.216	82	6771	0.800	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.00%			
46) 2-Fluorobiphenyl	5.987	172	16575	0.739	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.90%			
79) 2,4,6-Tribromophenol	7.340	330	3374	0.857	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.85%			
96) 4-Terphenyl-d14	9.546	244	27407	0.816	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.60%			

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-5.D
Acq On : 09 Sep 2024 10:24 pm
Operator : SV112:smz
Sample : WG1968975-5,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:54:57 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.028	74	5516	1.283	ug/ml#	91
3) Pyridine	1.058	79	7252	1.063	ug/ml	87
5) Aniline	3.328	93	8365	0.706	ug/ml	97
6) 2-Chlorophenol	3.440	128	7170	0.876	ug/ml	98
8) Phenol	3.399	94	6368	0.617	ug/ml	99
9) Bis(2-chloroethyl)ether	3.434	93	12231	1.601	ug/ml	89
10) 1,3-Dichlorobenzene	3.587	146	14693	1.489	ug/ml	96
11) 1,4-Dichlorobenzene	3.664	146	15062	1.462	ug/ml	97
12) 1,2-Dichlorobenzene	3.816	146	14672	1.520	ug/ml	96
13) Benzyl alcohol	3.840	79	9769	1.580	ug/ml	97
14) Bis(2-chloroisopropyl)...	3.993	45	16031	1.661	ug/ml#	69
15) 2-Methylphenol	4.005	108	9091	1.315	ug/ml	95
17) n-Nitrosodi-n-propylamine	4.122	70	9382	1.657	ug/ml	97
18) 3-Methylphenol/4-Methy...	4.175	108	9350	1.242	ug/ml#	69
20) Nitrobenzene	4.240	77	13463	1.596	ug/ml	99
21) Isophorone	4.493	82	24463	1.606	ug/ml	99
22) 2-Nitrophenol	4.558	139	3977	1.058	ug/ml#	55
23) 2,4-Dimethylphenol	4.681	107	10853	1.506	ug/ml	99
24) Bis(2-chloroethoxy)met...	4.758	93	16216	1.581	ug/ml#	98
25) 2,4-Dichlorophenol	4.811	162	7617	1.010	ug/ml#	95
26) 1,2,4-Trichlorobenzene	4.869	180	14070	1.473	ug/ml	96
28) Benzaldehyde	3.187	105	10468	1.463	ug/ml	98
29) Acetophenone	4.087	105	18875	1.516	ug/ml	96
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	5.022	65	3360M3	1.150	ug/ml	
40) p-Chloro-m-cresol	5.552	107	10901	1.588	ug/ml	99
43) Hexachlorocyclopentadiene	5.781	237	8589	1.381	ug/ml	99
44) 2,4,6-Trichlorophenol	5.910	196	5499	0.865	ug/ml	95
45) 2,4,5-Trichlorophenol	5.940	196	6485	0.997	ug/ml	98
48) 2-Nitroaniline	6.193	138	9208	1.853	ug/ml	90
51) Dimethyl phthalate	6.410	163	37138	1.624	ug/ml	99
53) 2,6-Dinitrotoluene	6.440	165	7713	1.803	ug/ml#	80
60) Caprolactam	5.322	55	2165	0.945	ug/ml	96
61) 1,2,4,5-Tetrachloroben...	5.775	216	16468	1.387	ug/ml	97
62) Biphenyl	6.069	154	35722	1.404	ug/ml	97
64) 3-Nitroaniline	6.587	138	8389	1.830	ug/ml#	94
66) 2,4-Dinitrophenol	6.687	184	775	0.670	ug/ml#	22

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-5.D
Acq On : 09 Sep 2024 10:24 pm
Operator : SV112:smz
Sample : WG1968975-5,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:54:57 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240909RVT\ABN0909.D
: 2 - I:\8270\SV112\240909RVT\ADP0909.D
: 3 - I:\8270\SV112\240909RVT\AP90909.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
67) Dibenzofuran	6.781	168	44725	1.587 ug/ml	93
68) 2,4-Dinitrotoluene	6.816	165	10524	1.790 ug/ml#	71
69) 4-Nitrophenol	6.816	65	1993	0.449 ug/ml	90
71) 2,3,4,6-Tetrachlorophenol	6.928	232	4925	0.868 ug/ml	97
72) Diethyl phthalate	7.093	149	37959	1.664 ug/ml	95
74) 4-Chlorophenyl phenyl ...	7.146	204	18451	1.543 ug/ml#	83
75) 4-Nitroaniline	7.157	138	7951	1.649 ug/ml	98
76) 4,6-Dinitro-o-cresol	7.193	198	2615	0.894 ug/ml#	73
77) NDPA/DPA	7.269	169	29652	1.571 ug/ml	96
78) Azobenzene	7.293	77	32140M6	1.605 ug/ml	
80) 4-Bromophenyl phenyl e...	7.605	248	12082	1.577 ug/ml#	85
85) Pentachloronitrobenzene	7.846	237	5621	1.561 ug/ml#	79
87) Atrazine	7.816	200	11427	1.688 ug/ml	93
91) Carbazole	8.228	167	53976	1.745 ug/ml	99
92) Di-n-butylphthalate	8.663	149	64396	1.909 ug/ml	99
94) Benzidine	9.304	184	13138	0.596 ug/ml	97
97) Butyl benzyl phthalate	10.069	149	31170	2.088 ug/ml	90
102) Parathion	8.799	109	6629	2.383 ug/ml#	89
106) 3,3'-Dichlorobenzidine	10.504	252	28986	1.646 ug/ml	97
108) Bis(2-ethylhexyl)phtha...	10.681	149	46624	1.939 ug/ml	100
109) Di-n-octylphthalate	11.316	149	81783	2.220 ug/ml#	94

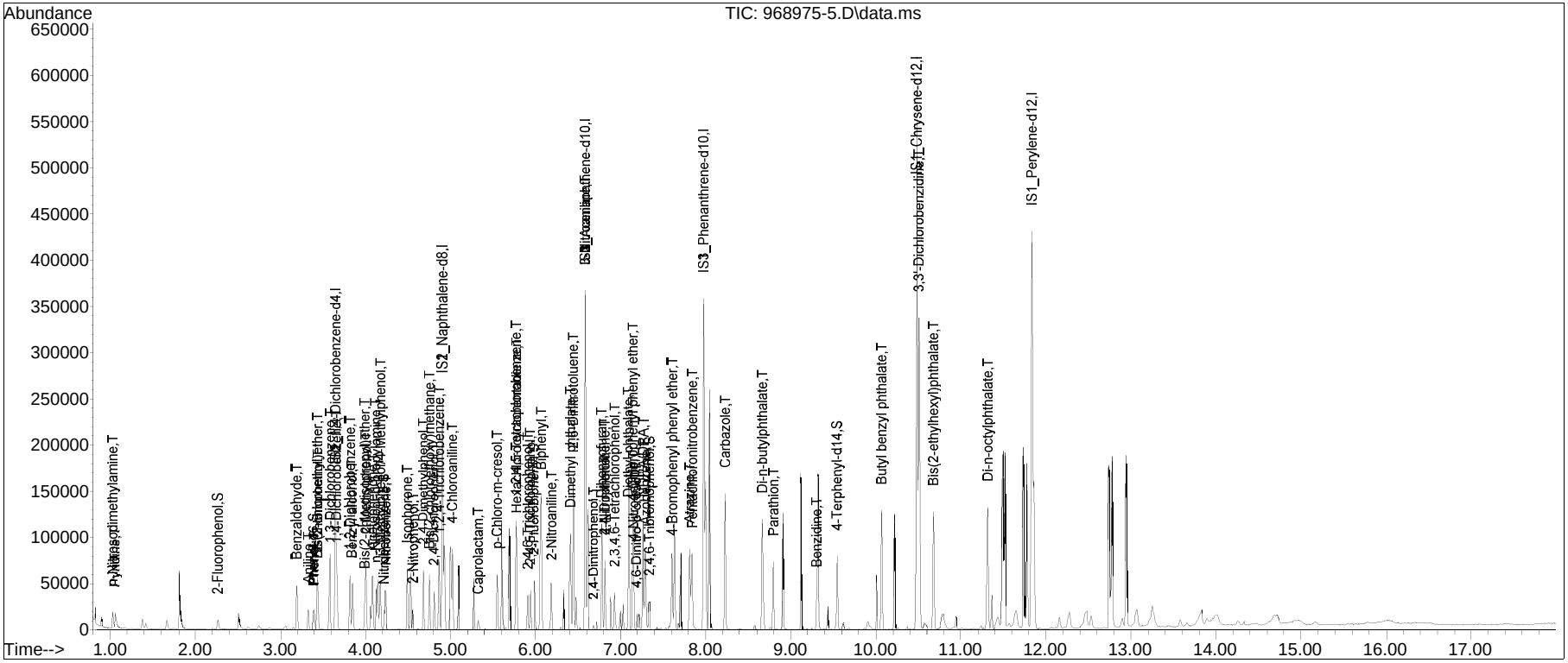
(#) = qualifier out of range (m) = manual integration (+) = signals summed

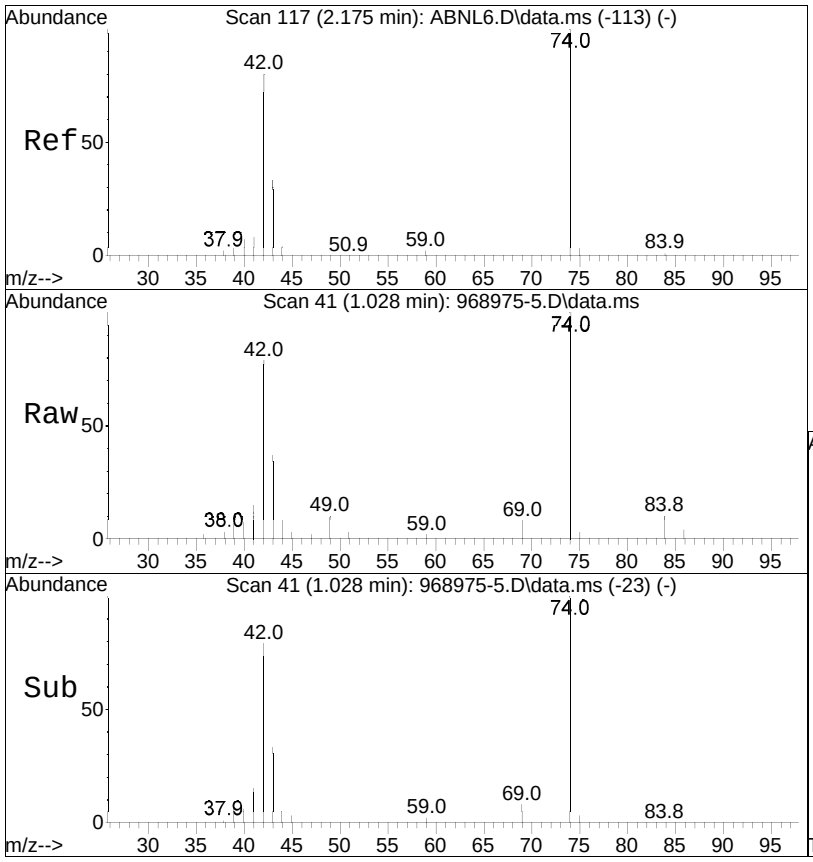
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-5.D
Acq On : 09 Sep 2024 10:24 pm
Operator : SV112:smz
Sample : WG1968975-5,32,,HNY
Misc : WG1969270,WG1968975,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 09:54:57 2024
Quant Method : I:\8270\SV112\240909RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Sep 09 14:37:49 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90909.D•

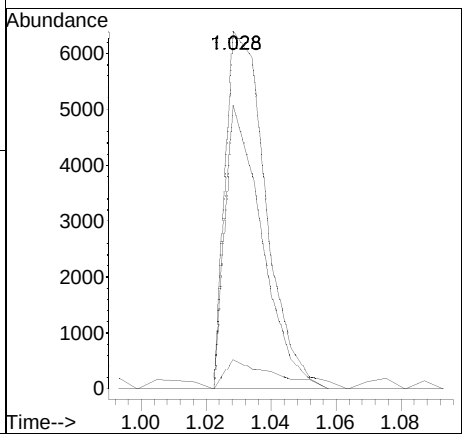


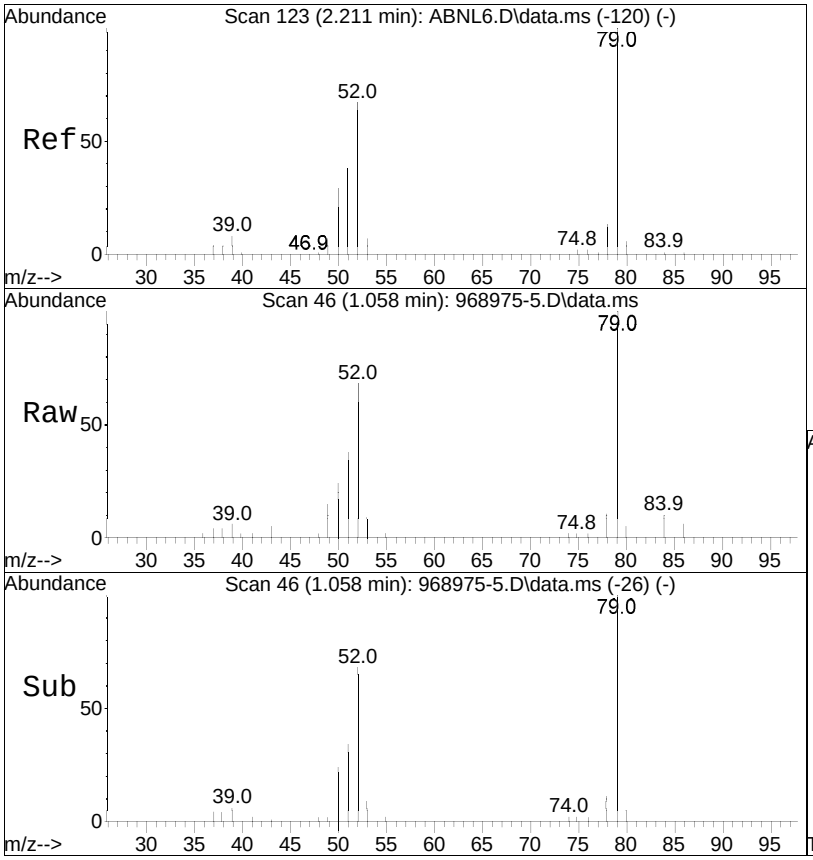


#2
n-Nitrosodimethylamine
Concen: 1.28 ug/ml
RT: 1.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 74 Resp: 5516

Ion	Ratio	Lower	Upper
74	100		
42	72.2	63.8	95.8
44	9.6	4.3	6.5#

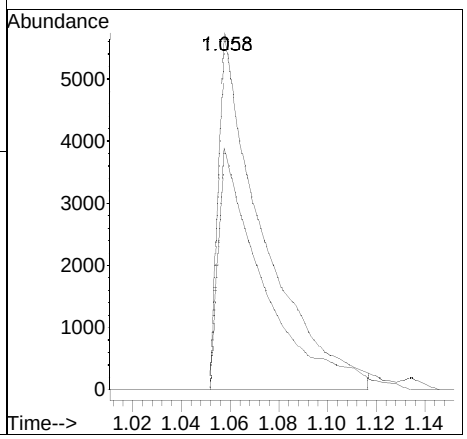


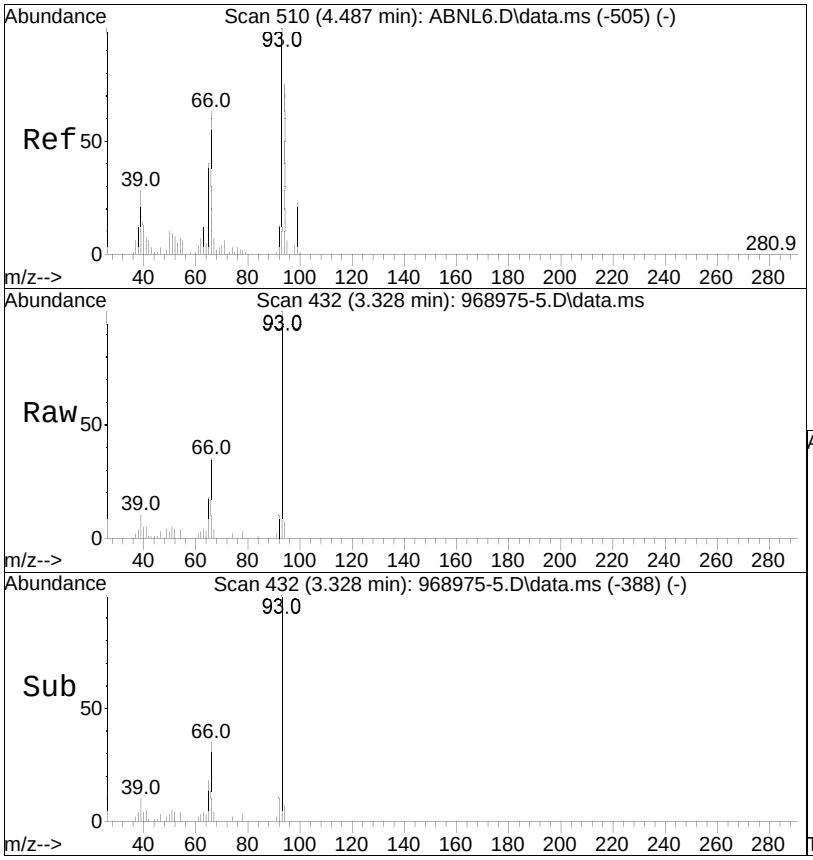


#3
Pyridine
Concen: 1.06 ug/ml
RT: 1.058 min Scan# 46
Delta R.T. 0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 79 Resp: 7252

Ion	Ratio	Lower	Upper
79	100		
52	68.9	64.6	96.8

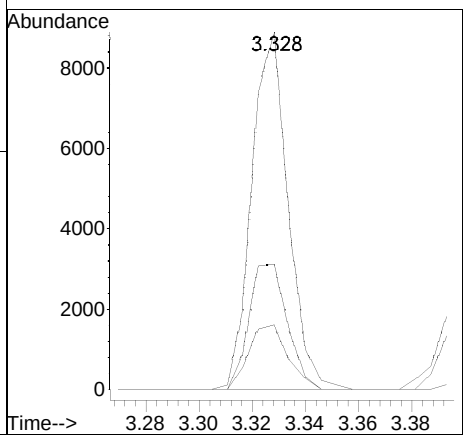


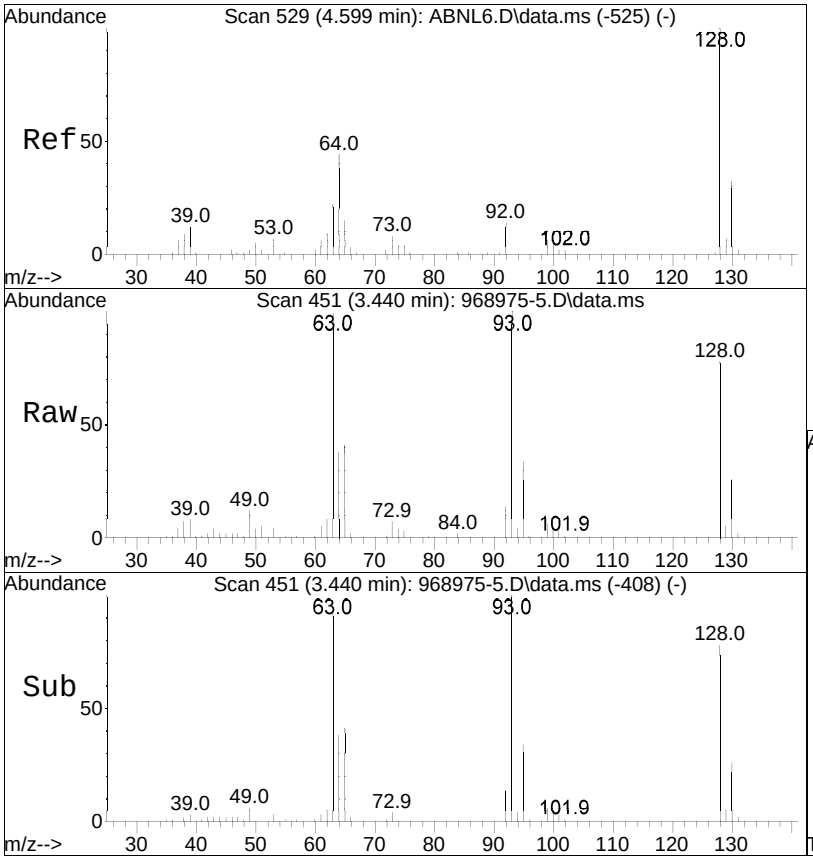


#5
Aniline
Concen: 0.71 ug/ml
RT: 3.328 min Scan# 432
Delta R.T. 0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 93 Resp: 8365

Ion	Ratio	Lower	Upper
93	100		
66	37.3	31.3	46.9
65	19.7	16.6	25.0

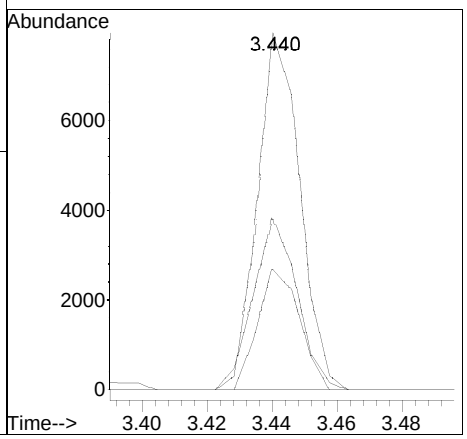


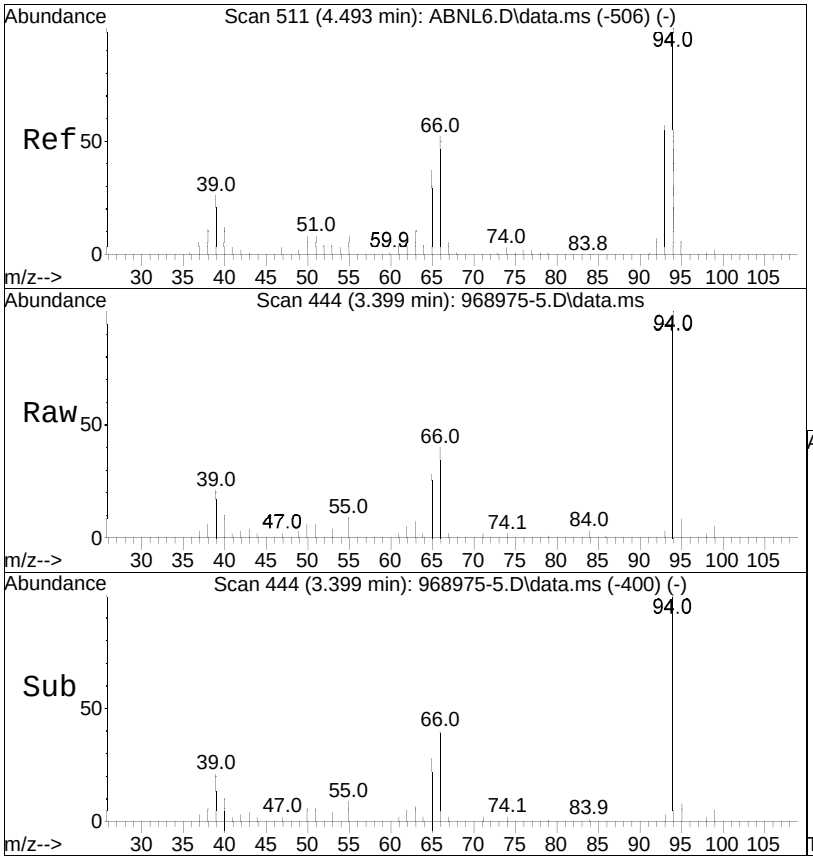


#6
2-Chlorophenol
Concen: 0.88 ug/ml
RT: 3.440 min Scan# 451
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:128 Resp: 7170

Ion	Ratio	Lower	Upper
128	100		
64	50.0	38.2	57.4
130	33.5	26.2	39.2

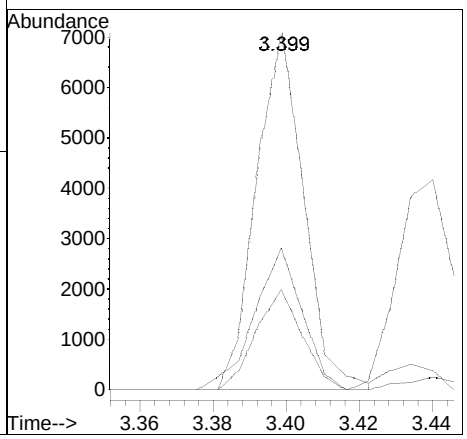


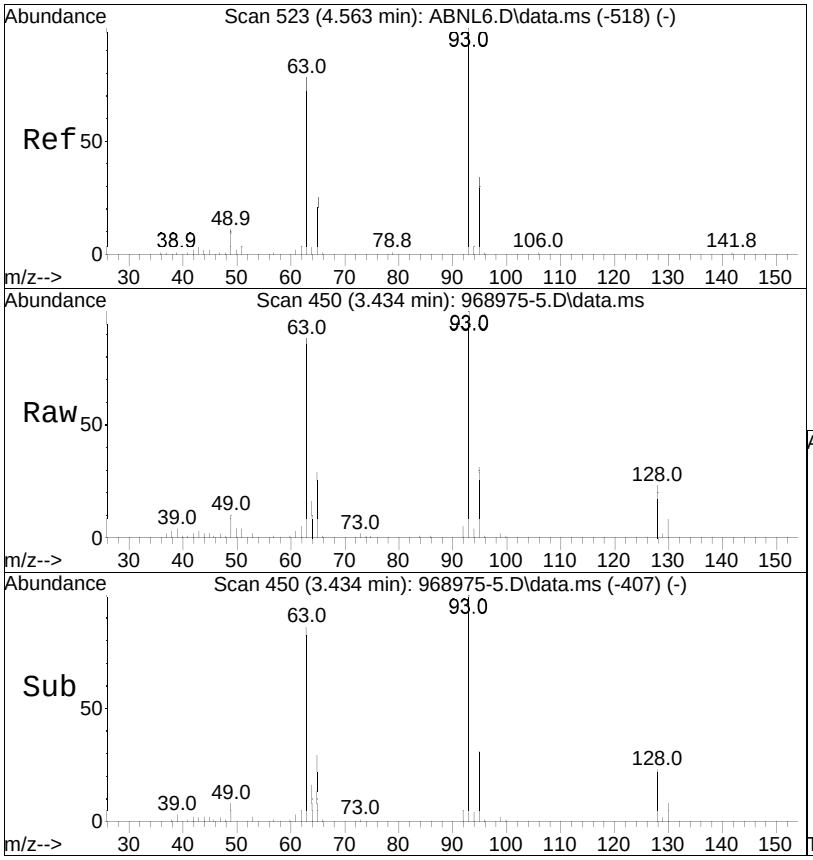


#8
Phenol
Concen: 0.62 ug/ml
RT: 3.399 min Scan# 444
Delta R.T. 0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 94 Resp: 6368

Ion	Ratio	Lower	Upper
94	100		
65	27.6	23.0	34.6
66	40.2	32.1	48.1

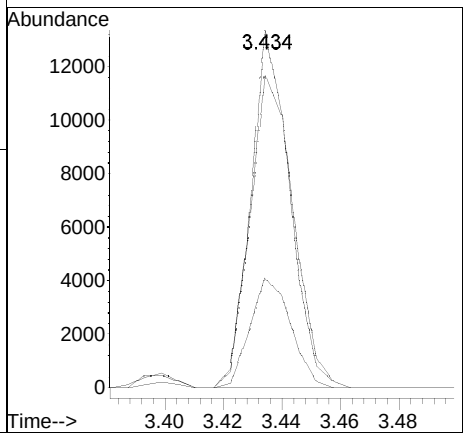


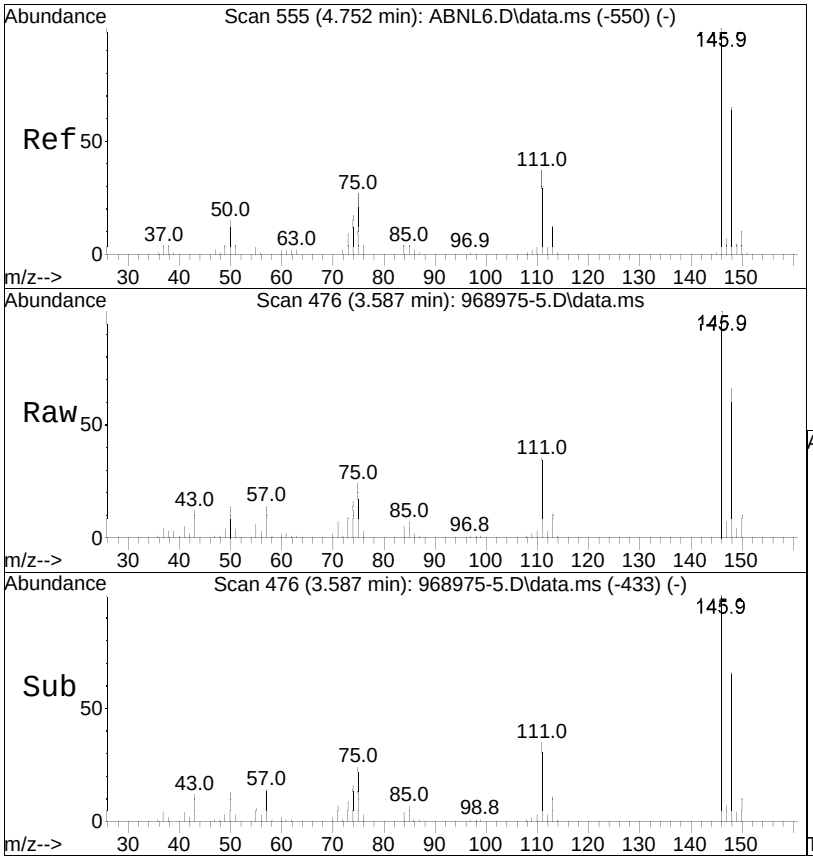


#9
Bis(2-chloroethyl)ether
Concen: 1.60 ug/ml
RT: 3.434 min Scan# 450
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 93 Resp: 12231

Ion	Ratio	Lower	Upper
93	100		
63	97.4	67.0	100.4
95	32.4	26.1	39.1

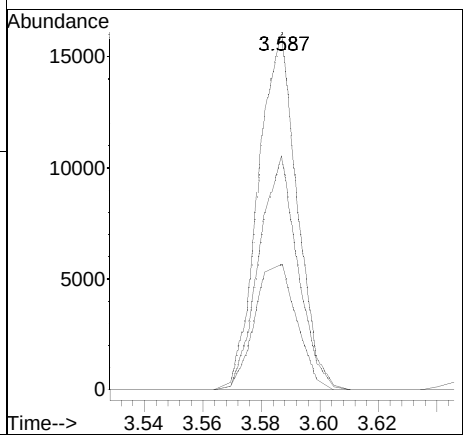


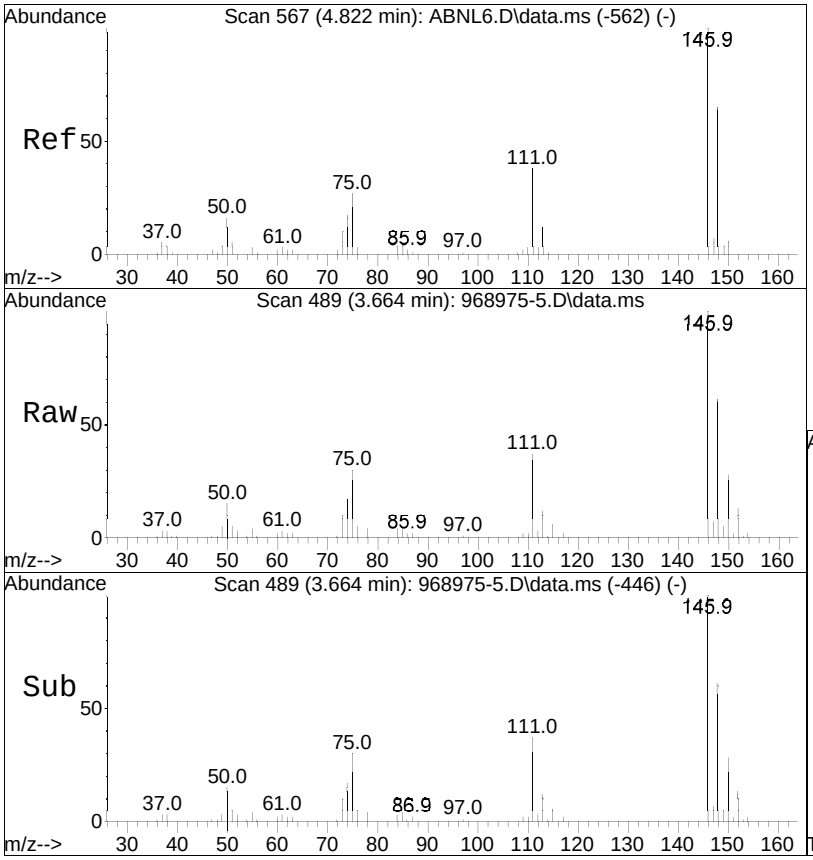


#10
1,3-Dichlorobenzene
Concen: 1.49 ug/ml
RT: 3.587 min Scan# 476
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:146 Resp: 14693

Ion	Ratio	Lower	Upper
146	100		
111	38.5	35.0	52.4
148	65.6	51.3	76.9

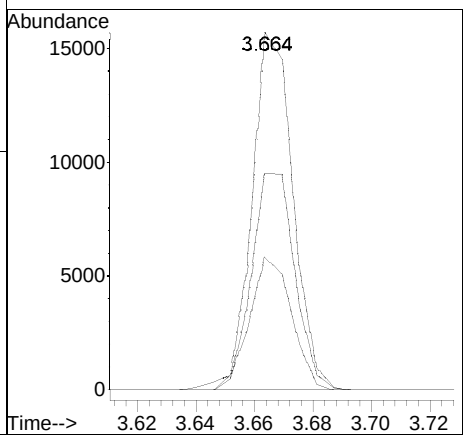


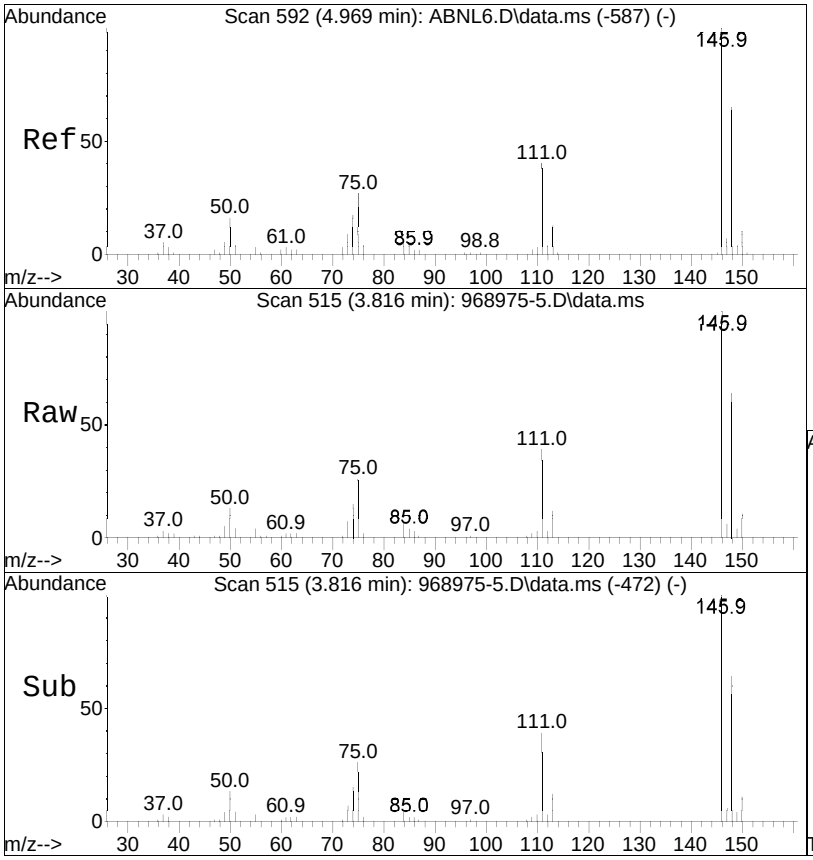


#11
1,4-Dichlorobenzene
Concen: 1.46 ug/ml
RT: 3.664 min Scan# 489
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:146 Resp: 15062

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.1	76.7
111	39.7	34.4	51.6

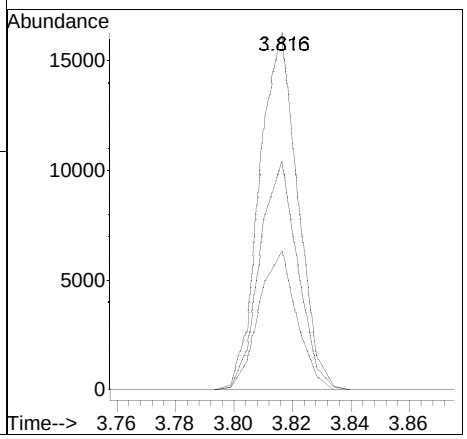


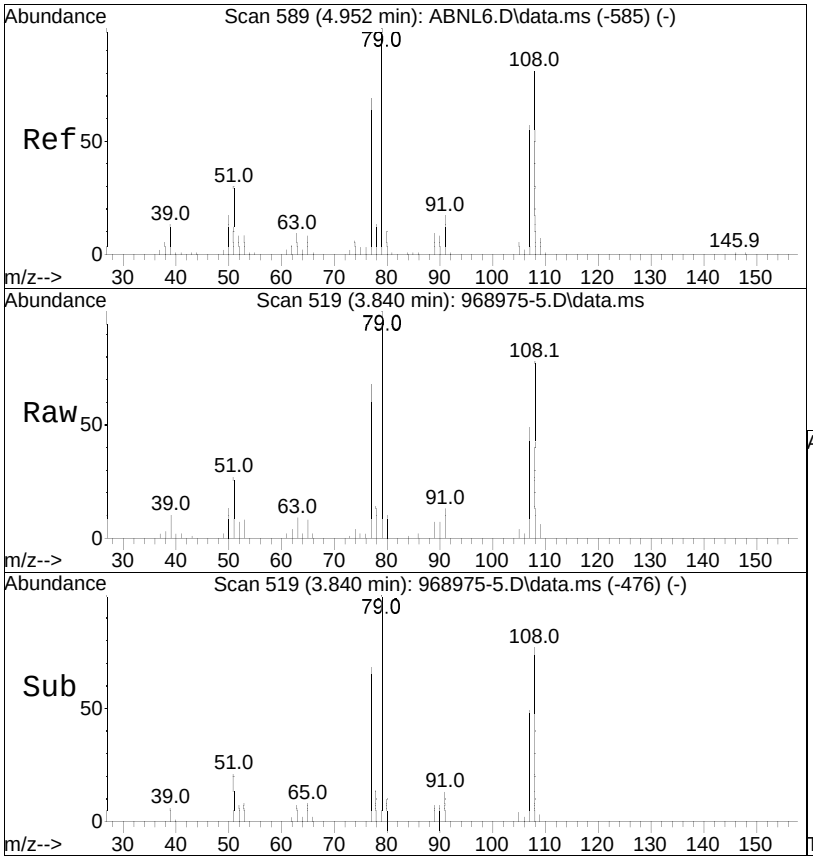


#12
1,2-Dichlorobenzene
Concen: 1.52 ug/ml
RT: 3.816 min Scan# 515
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:146 Resp: 14672

Ion	Ratio	Lower	Upper
146	100		
111	38.7	35.5	53.3
148	63.8	50.6	76.0

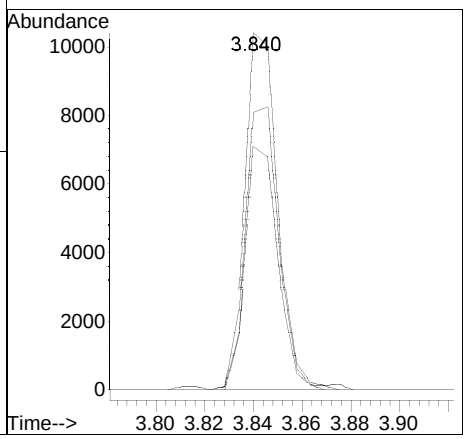


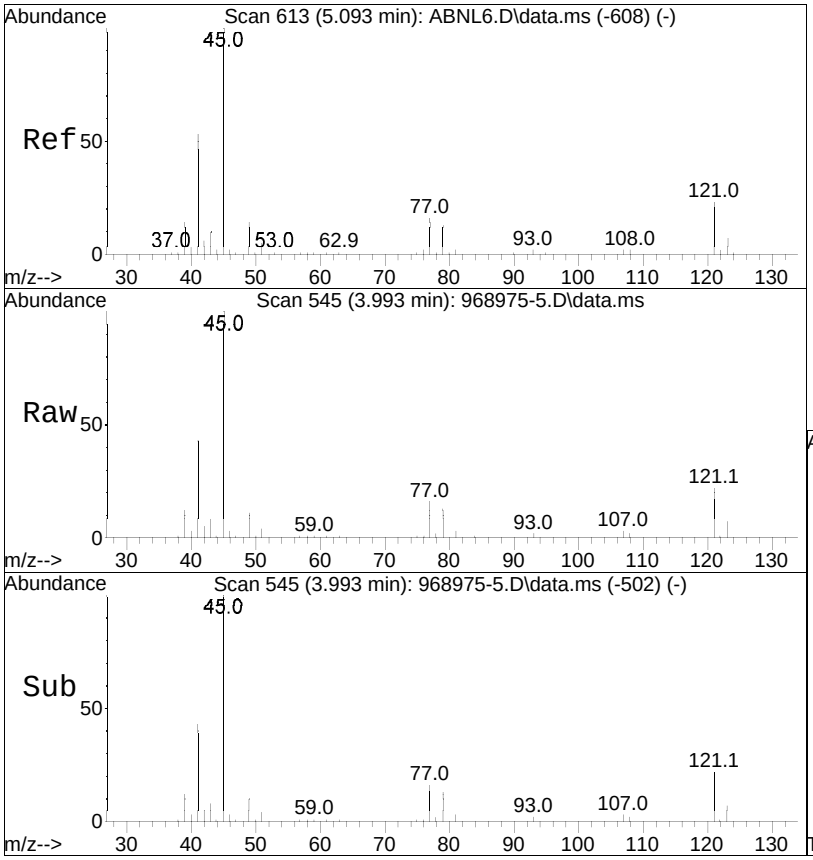


#13
Benzyl alcohol
Concen: 1.58 ug/ml
RT: 3.840 min Scan# 519
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 79 Resp: 9769

Ion	Ratio	Lower	Upper
79	100		
77	67.9	51.8	77.6
108	81.1	63.9	95.9

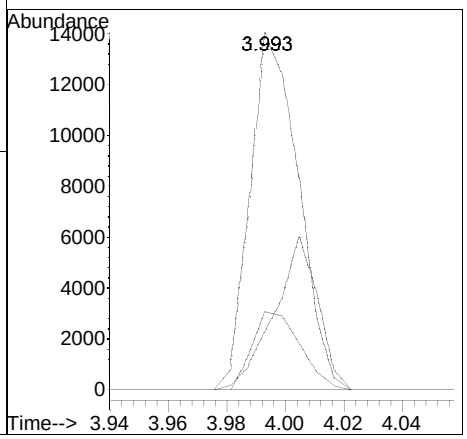


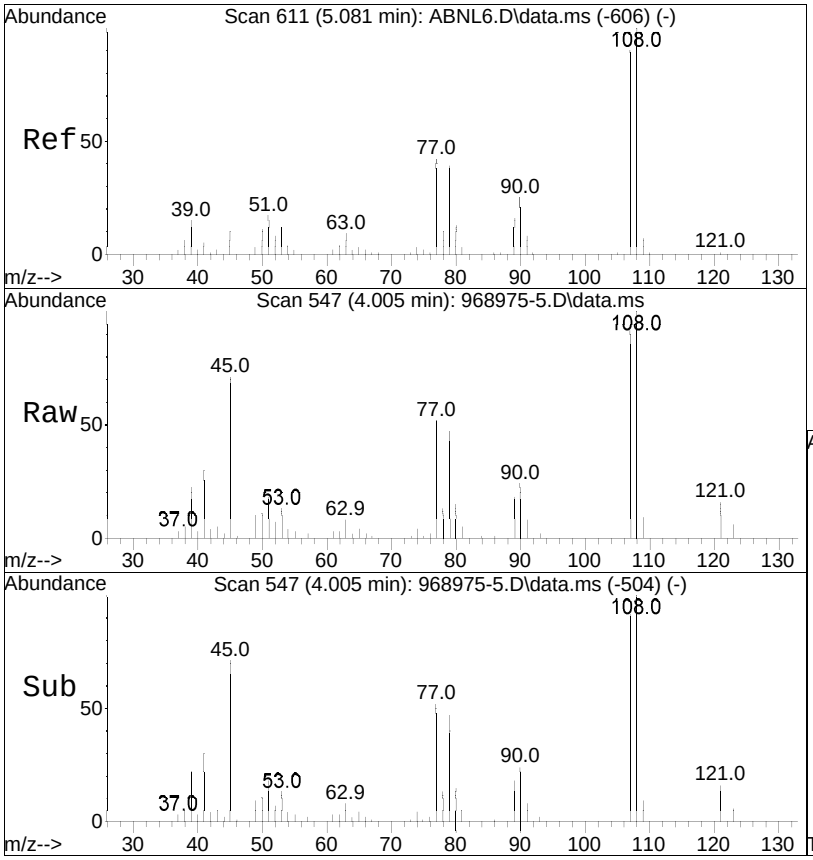


#14
Bis(2-chloroisopropyl)ether
Concen: 1.66 ug/ml
RT: 3.993 min Scan# 545
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 45 Resp: 16031

Ion	Ratio	Lower	Upper
45	100		
121	21.8	14.8	22.2
77	38.7	10.5	15.7#

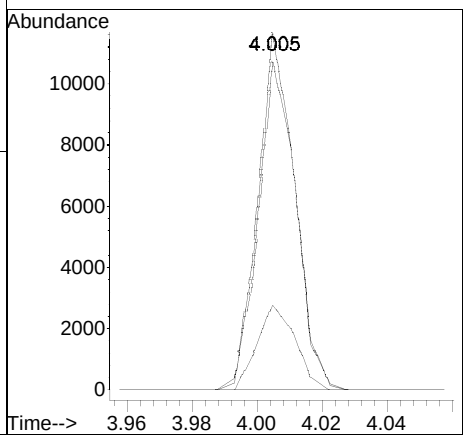


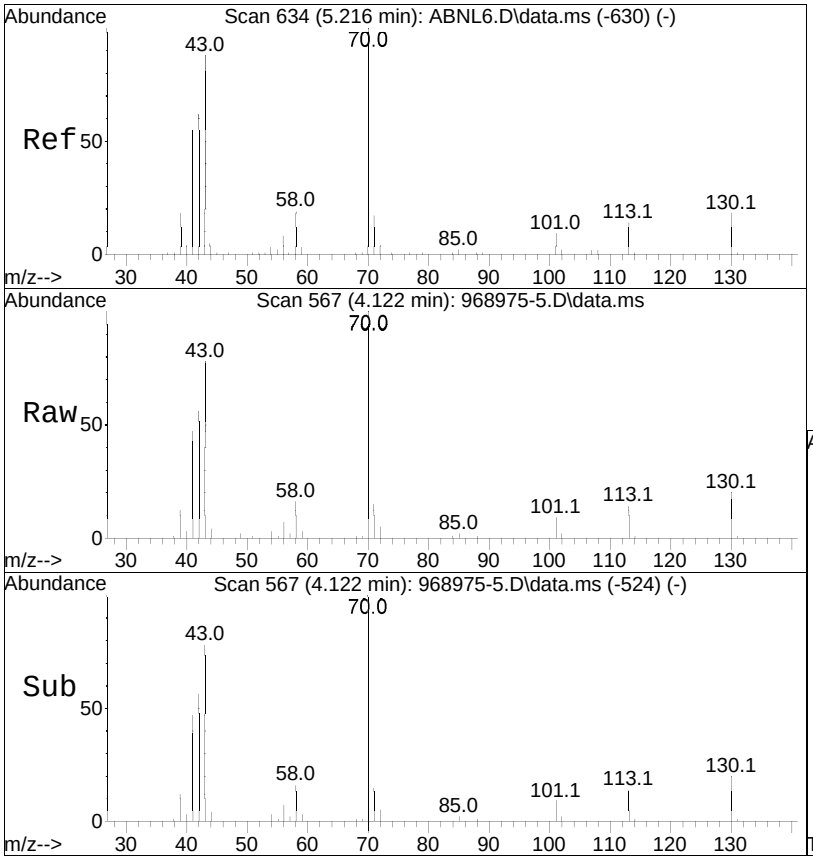


#15
2-Methylphenol
Concen: 1.32 ug/ml
RT: 4.005 min Scan# 547
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:108 Resp: 9091

Ion	Ratio	Lower	Upper
108	100		
107	94.2	71.0	106.4
90	24.6	19.7	29.5

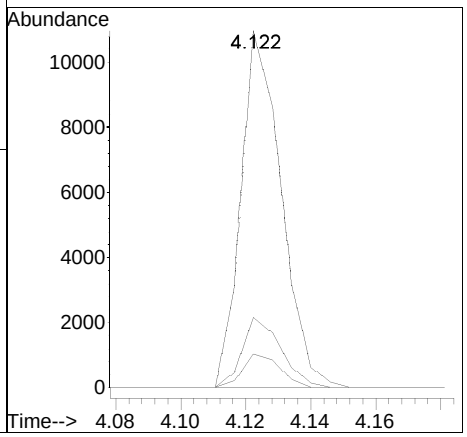


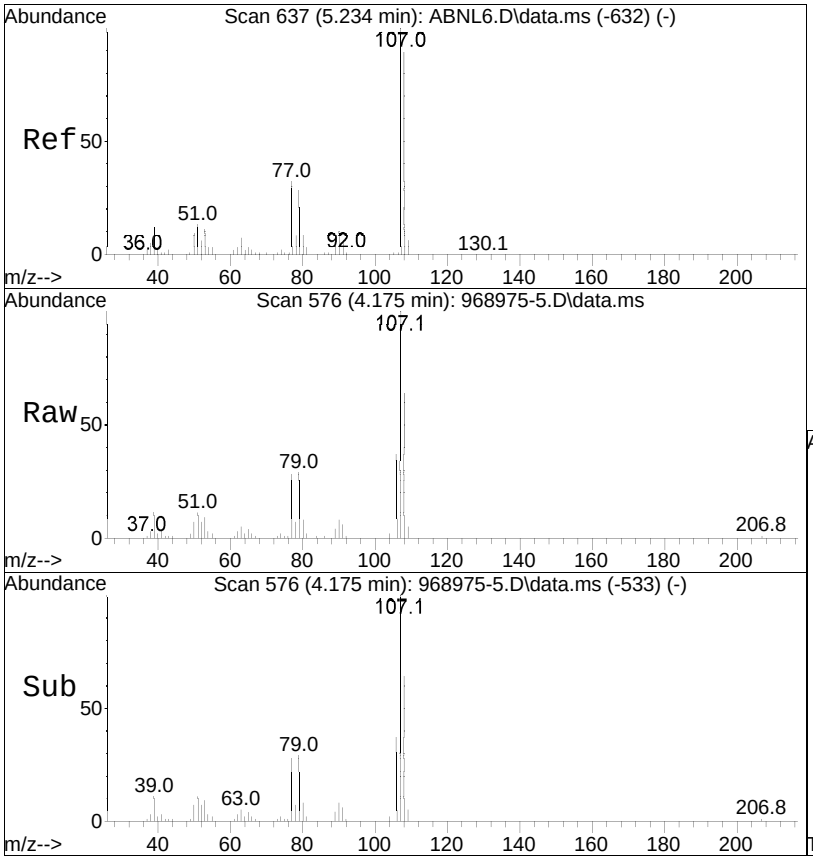


#17
n-Nitrosodi-n-propylamine
Concen: 1.66 ug/ml
RT: 4.122 min Scan# 567
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 70 Resp: 9382

Ion	Ratio	Lower	Upper
70	100		
130	19.0	16.2	24.4
101	8.7	7.6	11.4

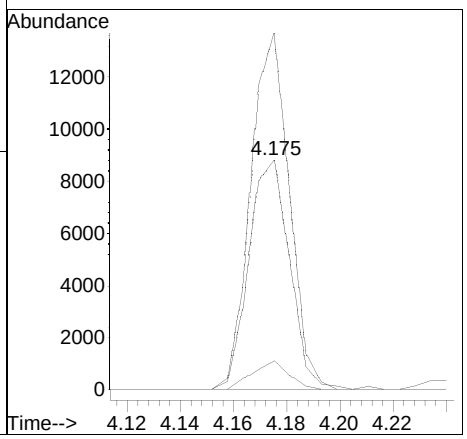


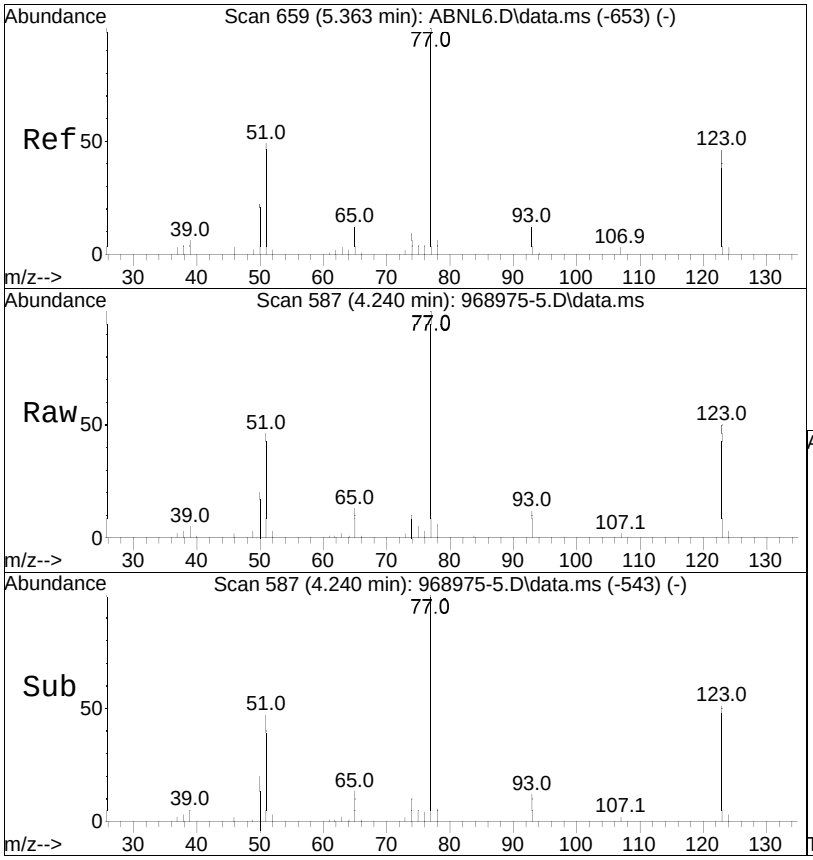


#18
3-Methylphenol/4-Methylphenol
Concen: 1.24 ug/ml
RT: 4.175 min Scan# 576
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:108 Resp: 9350

Ion	Ratio	Lower	Upper
108	100		
107	146.9	88.8	133.2#
90	11.2	9.0	13.6

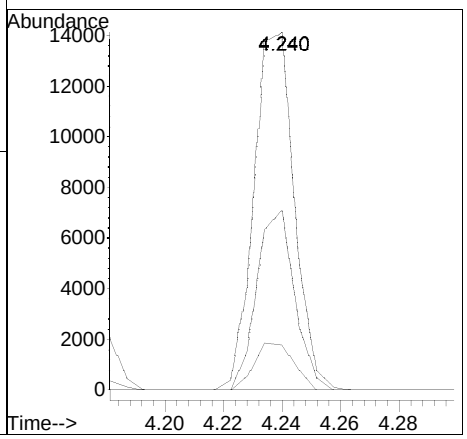


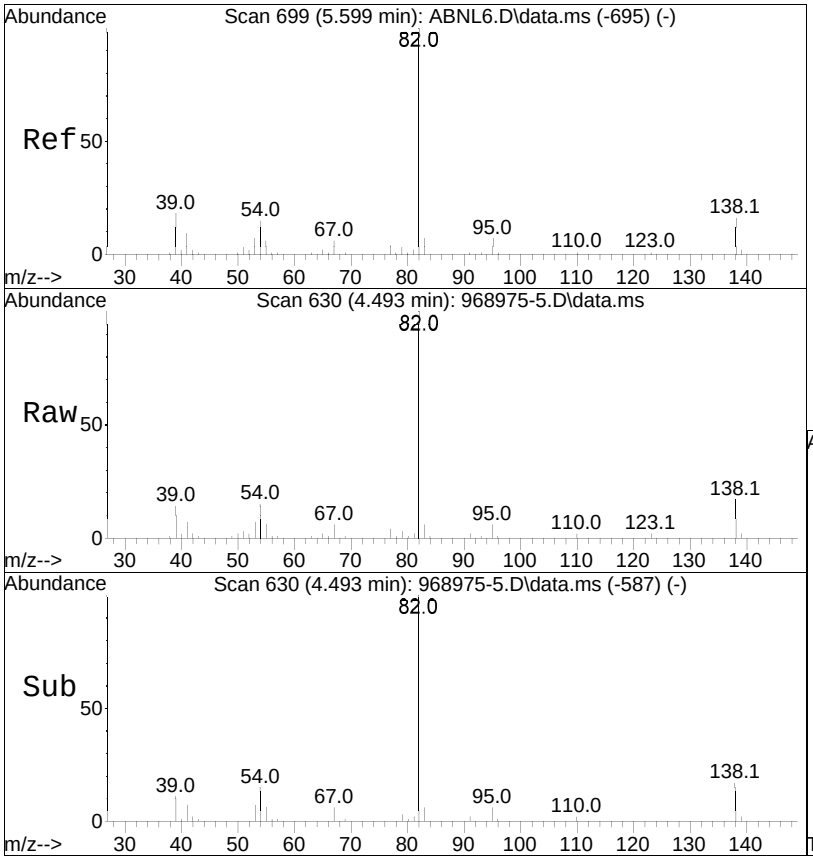


#20
Nitrobenzene
Concen: 1.60 ug/ml
RT: 4.240 min Scan# 587
Delta R.T. 0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 77 Resp: 13463

Ion	Ratio	Lower	Upper
77	100		
123	47.2	37.3	55.9
65	13.0	10.9	16.3

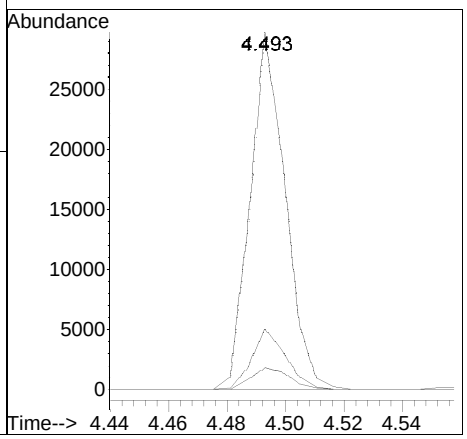


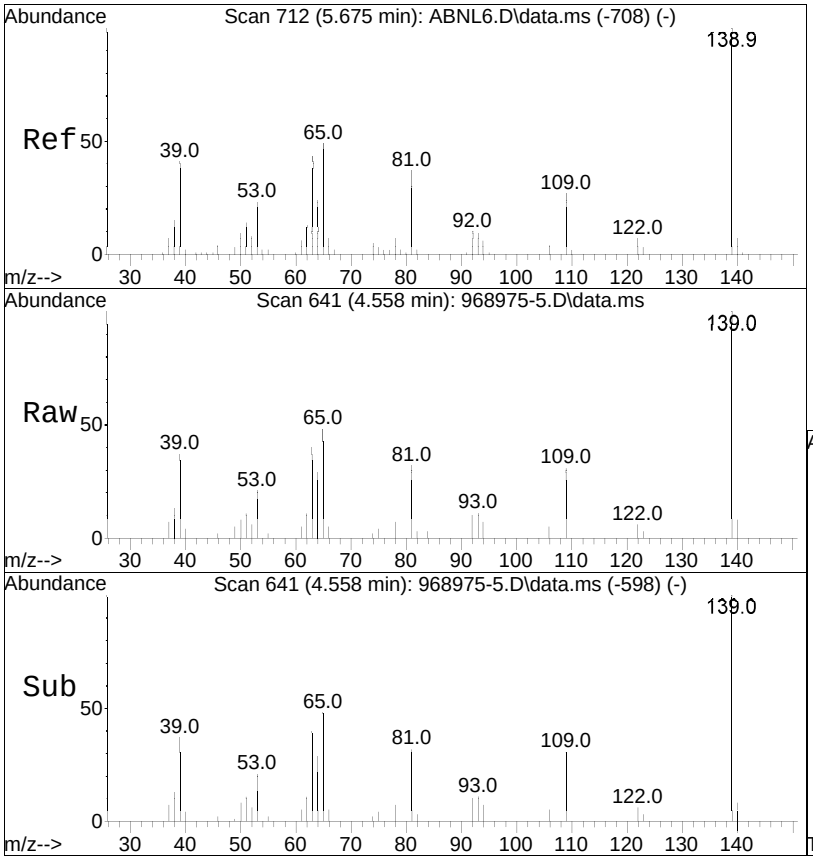


#21
Isophorone
Concen: 1.61 ug/ml
RT: 4.493 min Scan# 630
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 82 Resp: 24463

Ion	Ratio	Lower	Upper
82	100		
138	16.6	13.0	19.4
95	6.8	5.5	8.3

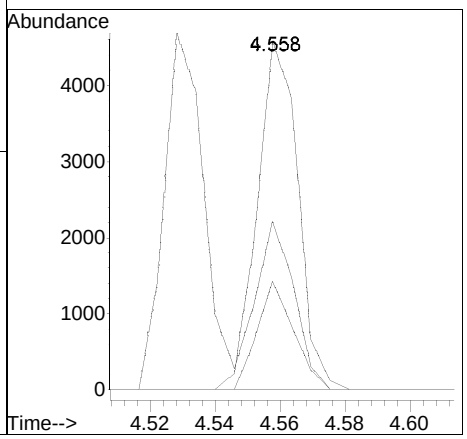


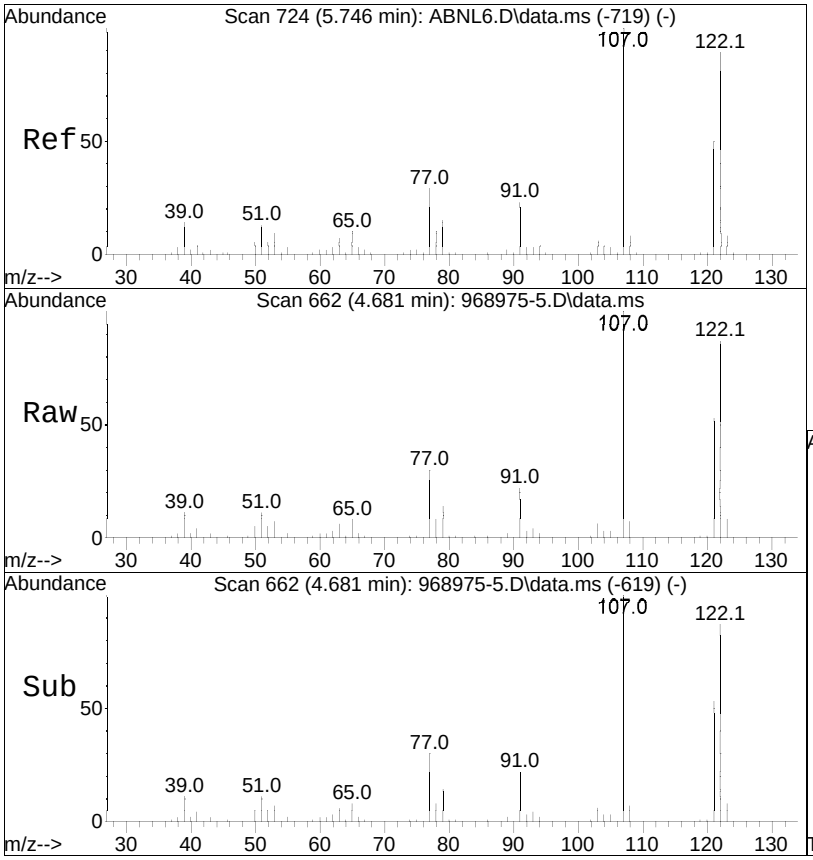


#22
2-Nitrophenol
Concen: 1.06 ug/ml
RT: 4.558 min Scan# 641
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:139 Resp: 3977

Ion	Ratio	Lower	Upper
139	100		
109	27.9	23.1	34.7
65	100.2	41.4	62.2#

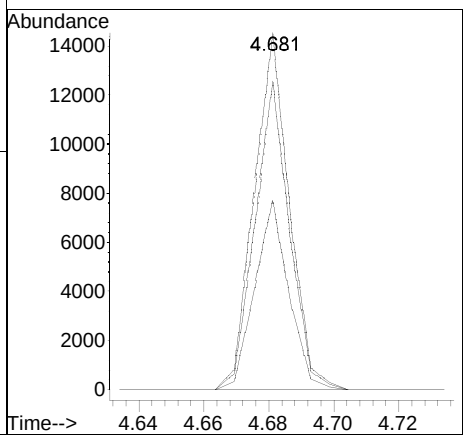


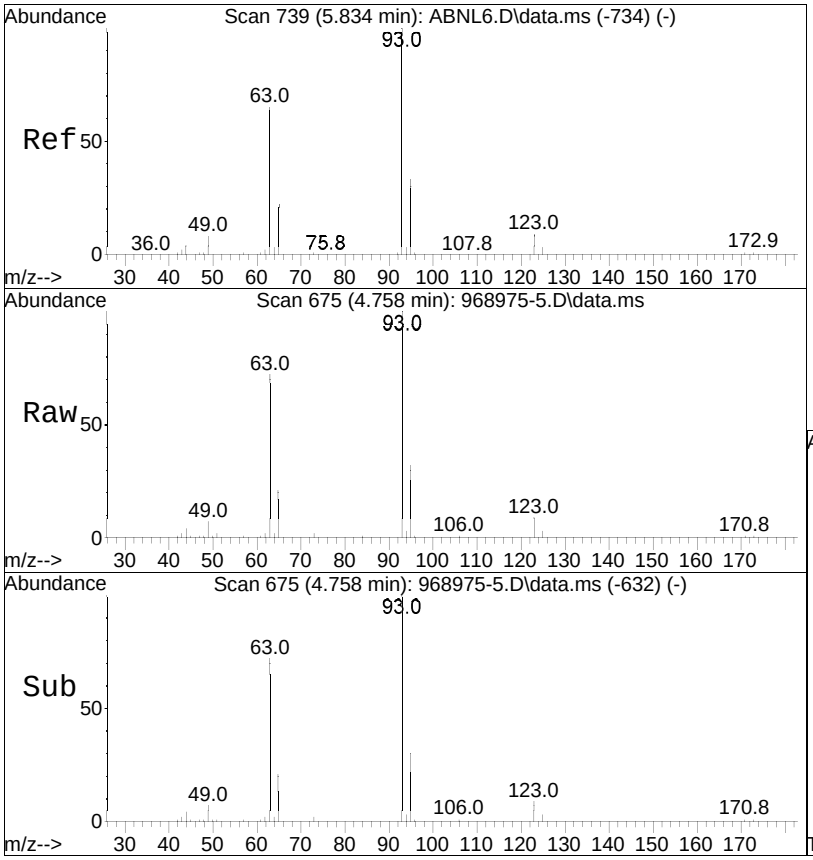


#23
2,4-Dimethylphenol
Concen: 1.51 ug/ml
RT: 4.681 min Scan# 662
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:107 Resp: 10853

Ion	Ratio	Lower	Upper
107	100		
121	51.5	41.3	61.9
122	84.7	69.3	103.9

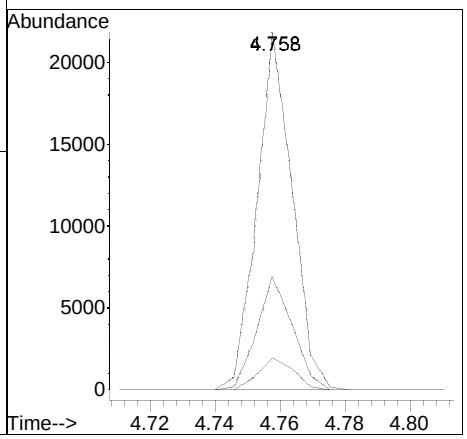


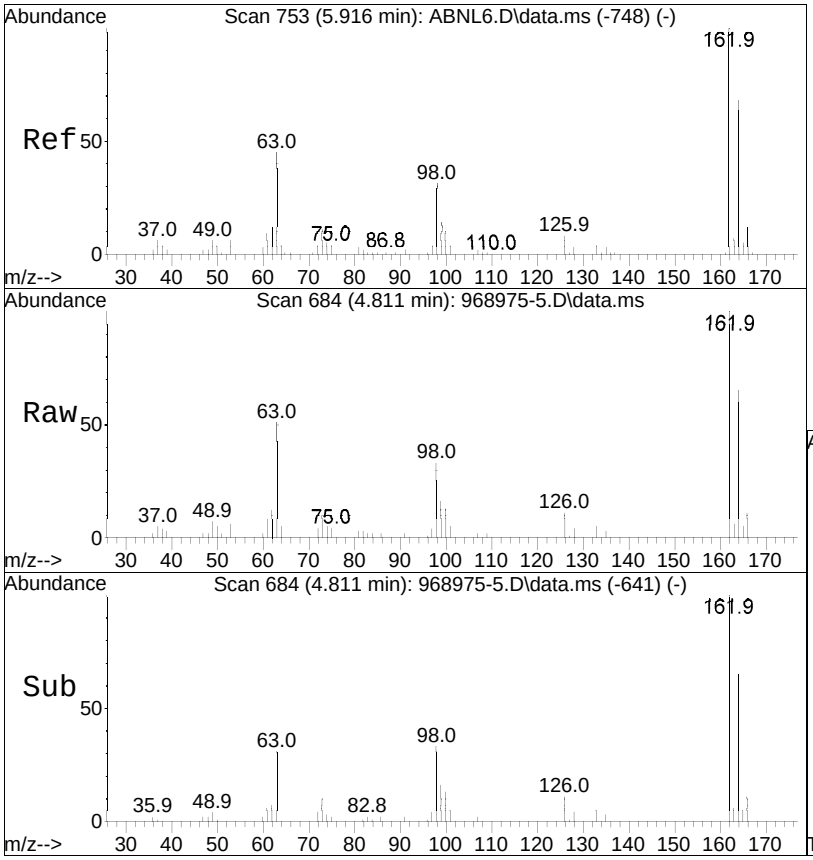


#24
Bis(2-chloroethoxy)methane
Concen: 1.58 ug/ml
RT: 4.758 min Scan# 675
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 93 Resp: 16216

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	9.1	9.6	14.4#

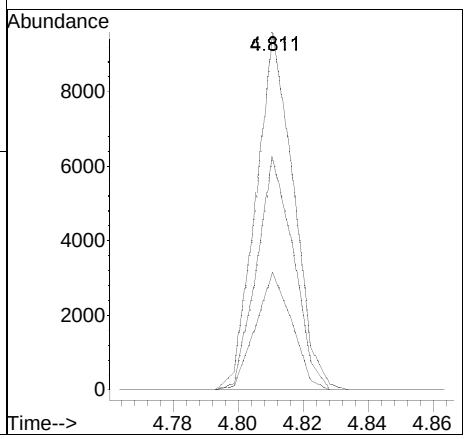


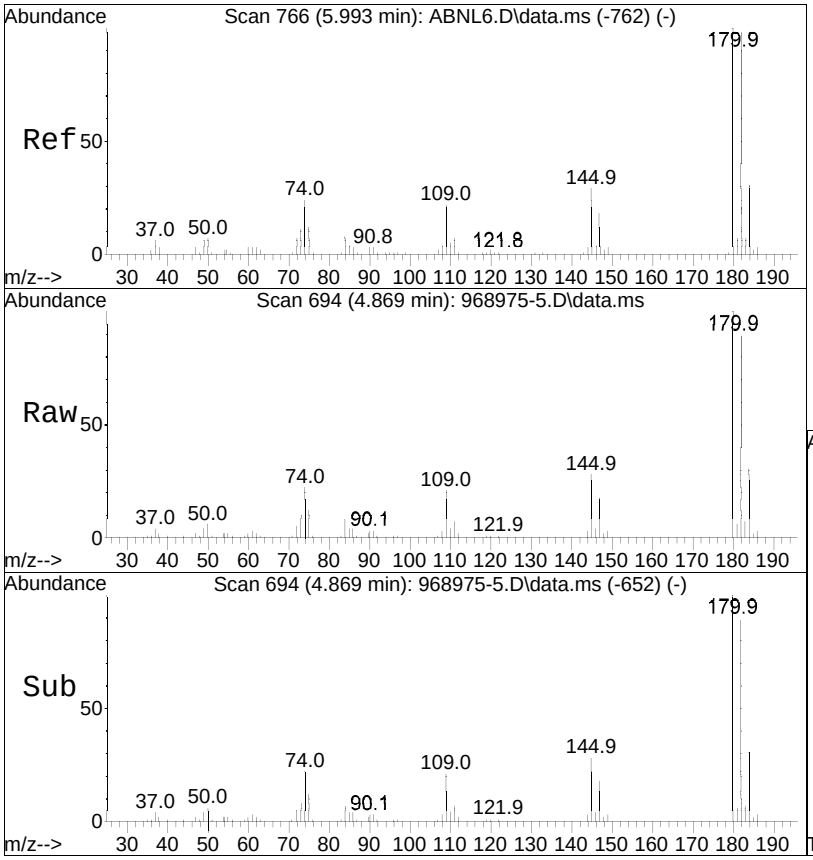


#25
2,4-Dichlorophenol
Concen: 1.01 ug/ml
RT: 4.811 min Scan# 684
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:162 Resp: 7617

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.1	76.7
98	31.7	32.2	48.2#

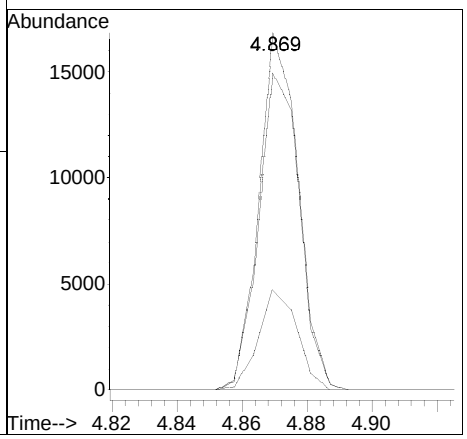


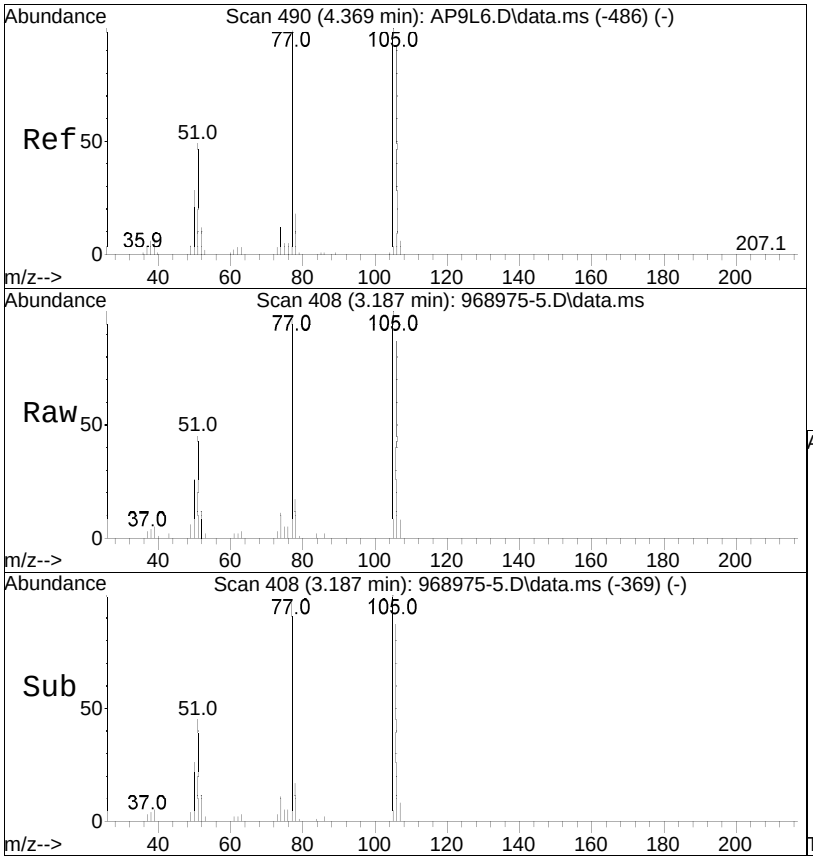


#26
1,2,4-Trichlorobenzene
Concen: 1.47 ug/ml
RT: 4.869 min Scan# 694
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:180 Resp: 14070

Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.8	113.8
145	27.8	26.3	39.5

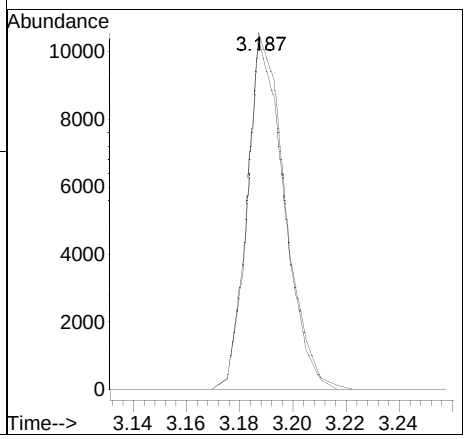


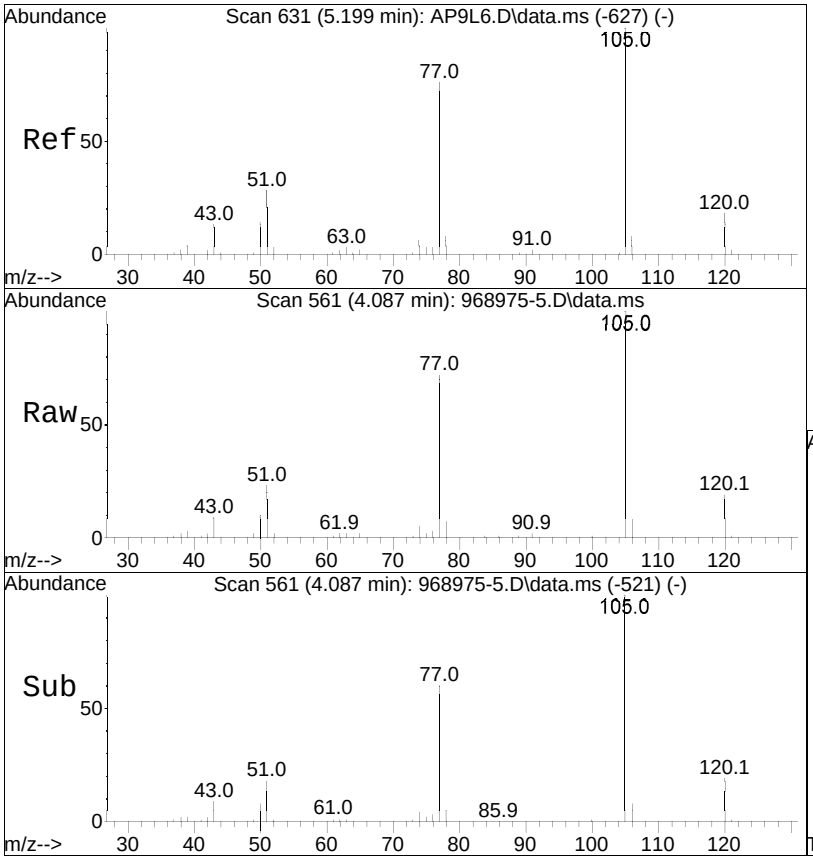


#28
Benzaldehyde
Concen: 1.46 ug/ml
RT: 3.187 min Scan# 408
Delta R.T. -0.023 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:105 Resp: 10468

Ion	Ratio	Lower	Upper
105	100		
77	94.7	77.0	115.6

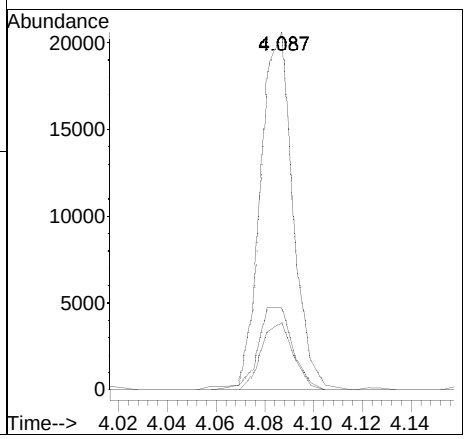


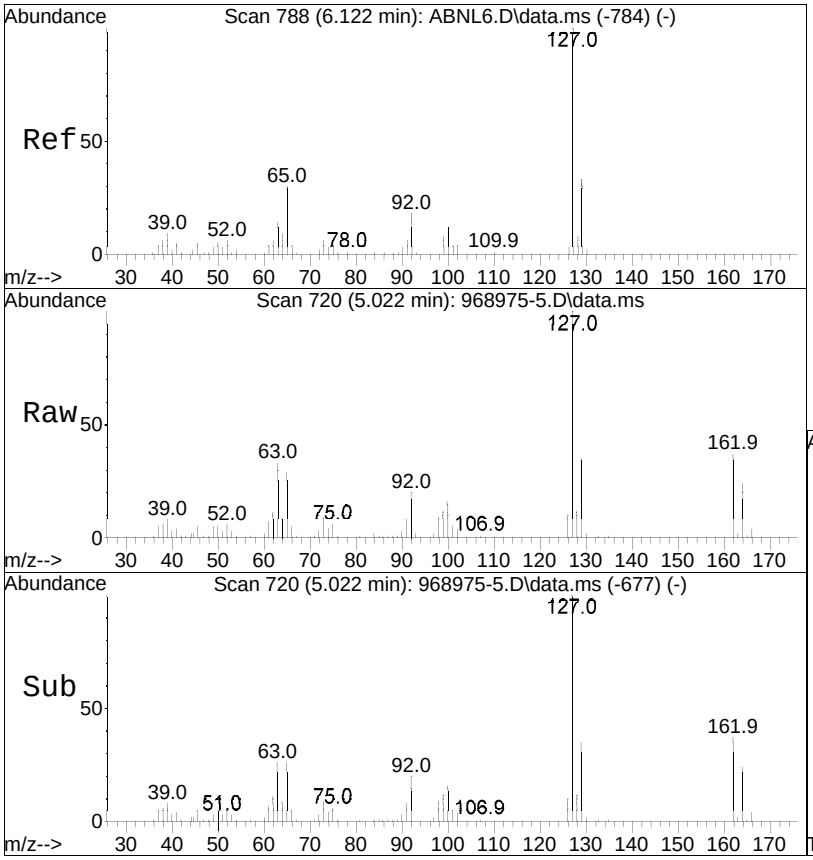


#29
Acetophenone
Concen: 1.52 ug/ml
RT: 4.087 min Scan# 561
Delta R.T. -0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:105 Resp: 18875

Ion	Ratio	Lower	Upper
105	100		
120	18.7	15.2	22.8
51	25.4	23.1	34.7

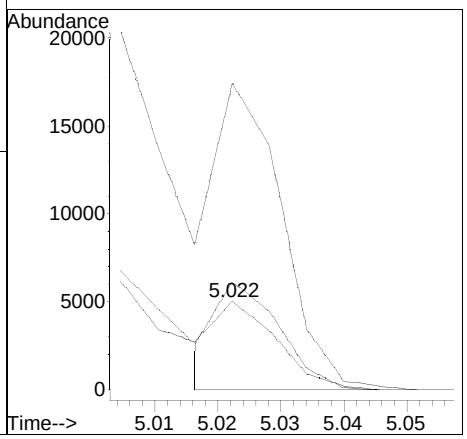


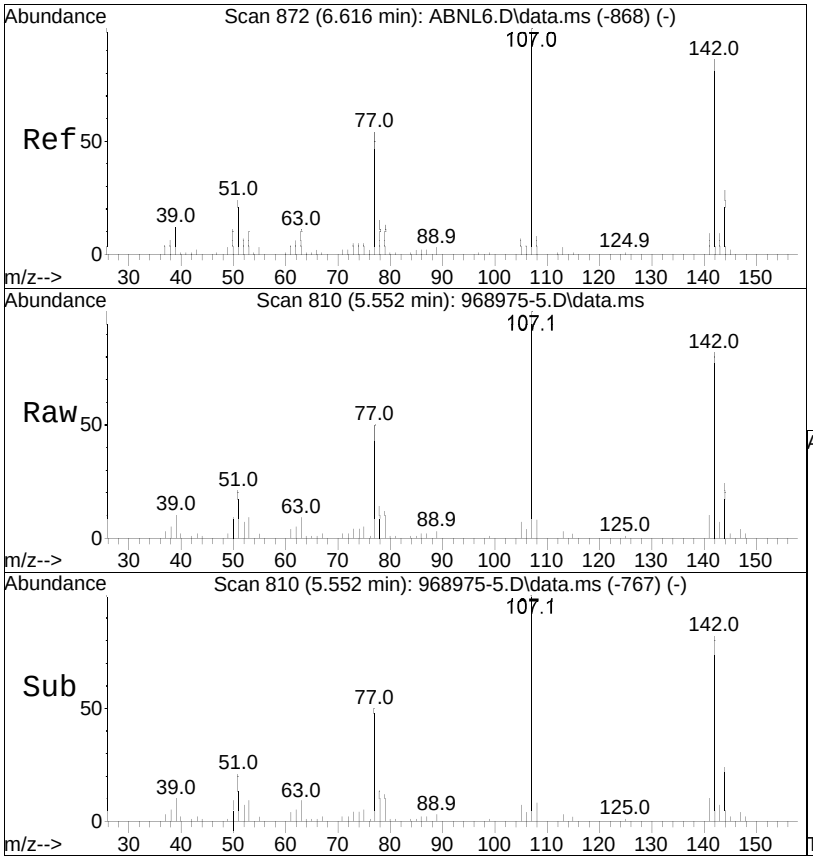


#38
4-Chloroaniline
Concen: 1.15 ug/ml M3
RT: 5.022 min Scan# 720
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 65 Resp: 3360

Ion	Ratio	Lower	Upper
65	100		
127	521.4	266.2	399.4#
129	174.6	85.0	127.4#

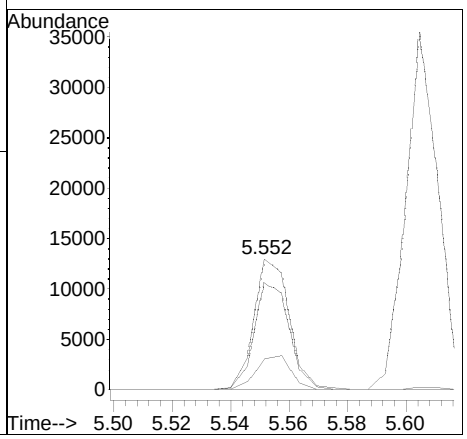


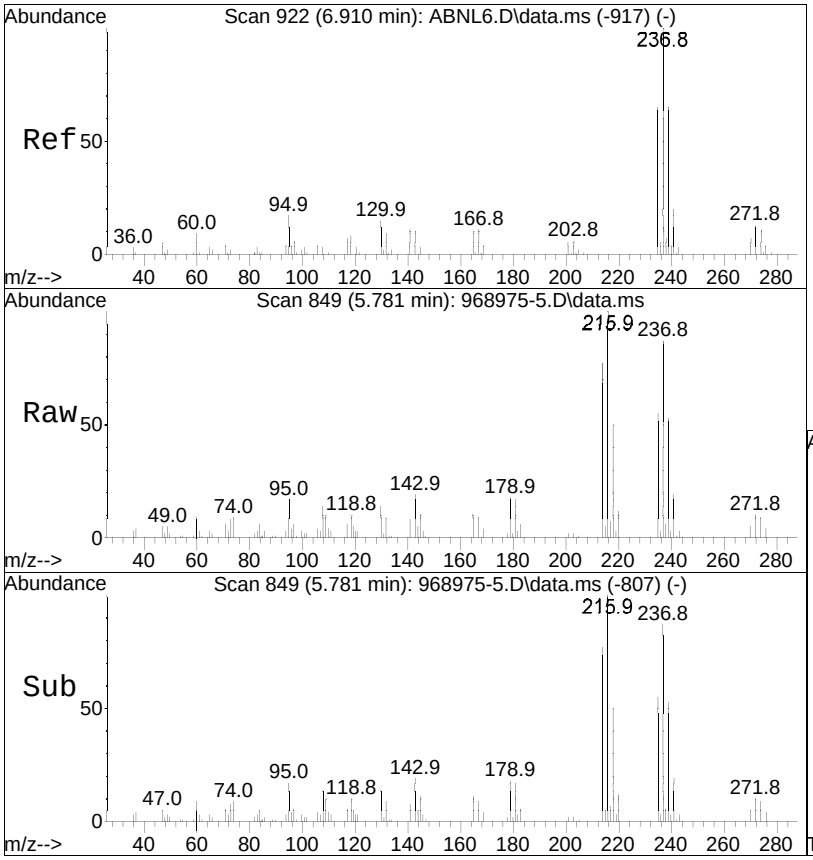


#40
p-Chloro-m-cresol
Concen: 1.59 ug/ml
RT: 5.552 min Scan# 810
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:107 Resp: 10901

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.3	30.5
142	81.2	63.8	95.6

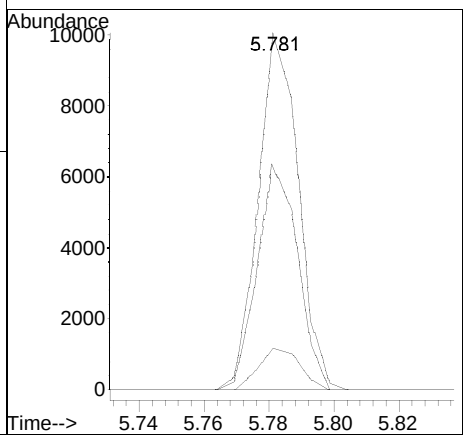


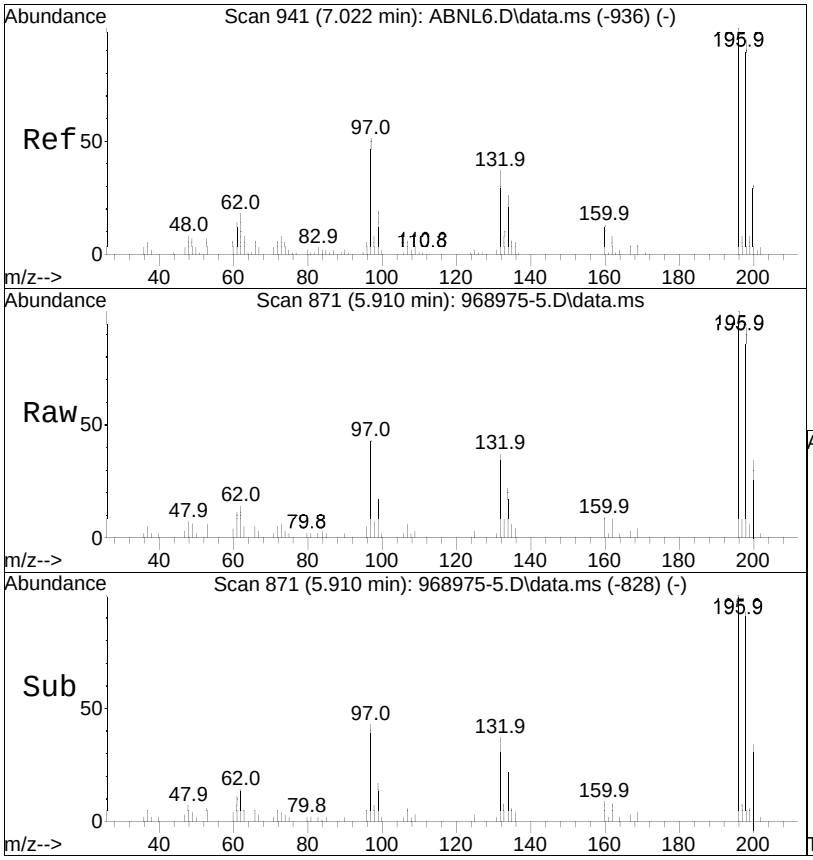


#43
Hexachlorocyclopentadiene
Concen: 1.38 ug/ml
RT: 5.781 min Scan# 849
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:237 Resp: 8589

Ion	Ratio	Lower	Upper
237	100		
235	64.0	50.9	76.3
272	12.2	10.1	15.1

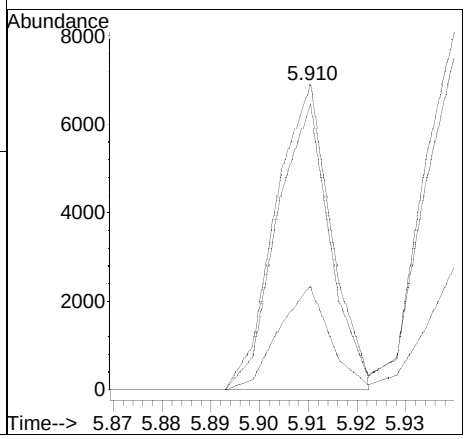


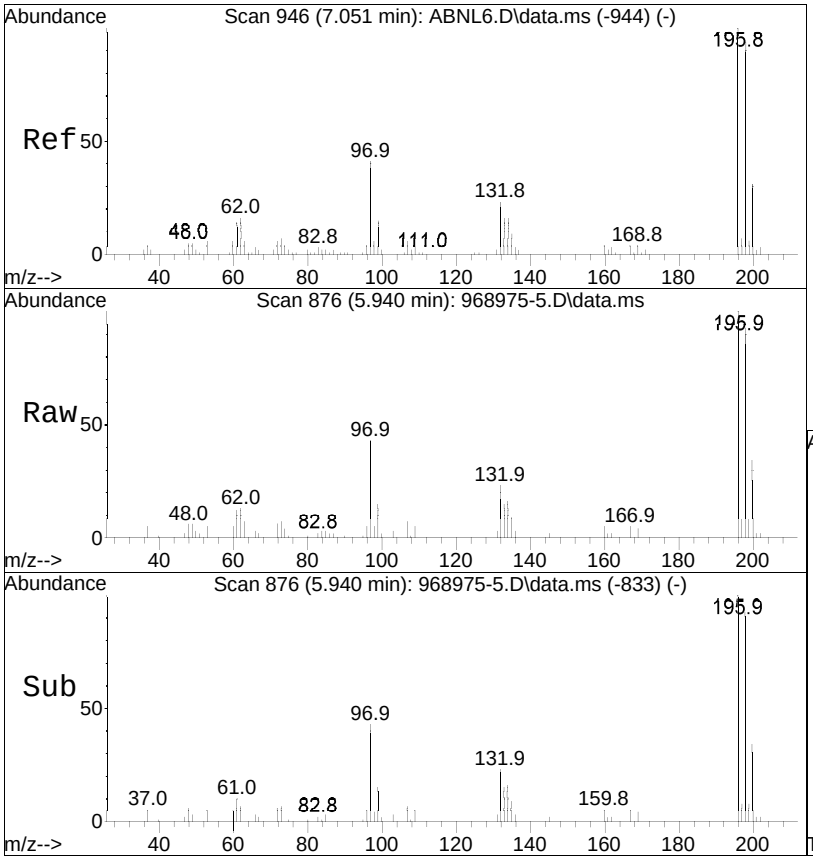


#44
2,4,6-Trichlorophenol
Concen: 0.87 ug/ml
RT: 5.910 min Scan# 871
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:196 Resp: 5499

Ion	Ratio	Lower	Upper
196	100		
198	89.7	76.4	114.6
200	31.2	24.4	36.6

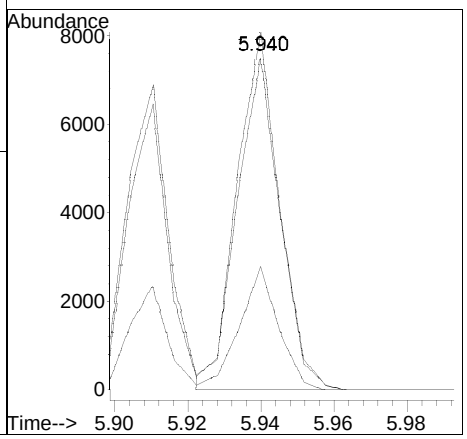


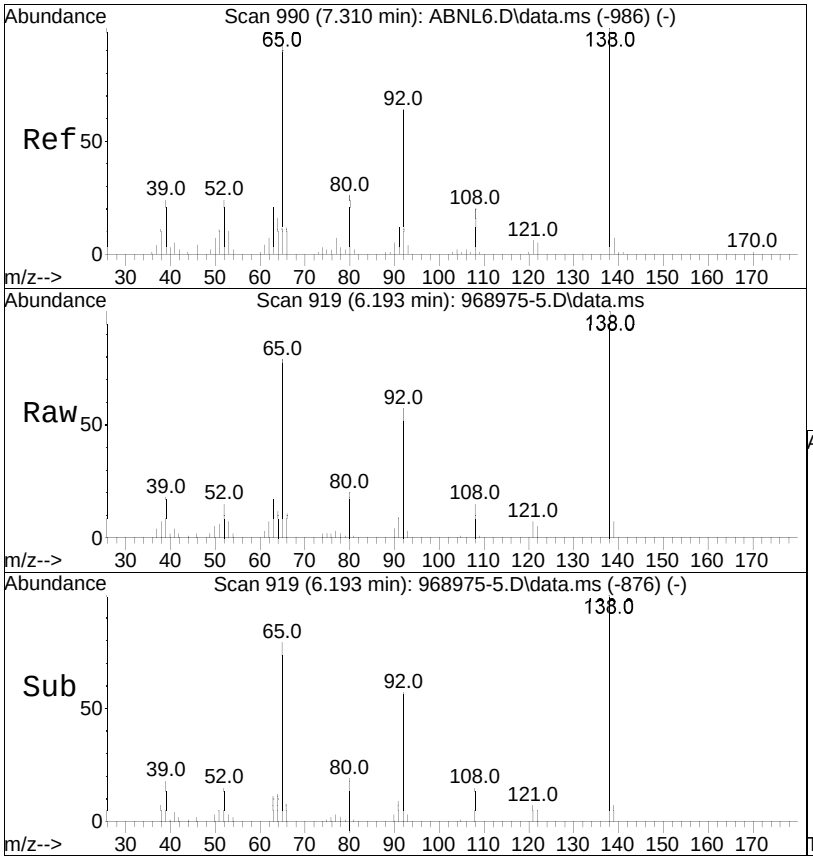


#45
2,4,5-Trichlorophenol
Concen: 1.00 ug/ml
RT: 5.940 min Scan# 876
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:196 Resp: 6485

Ion	Ratio	Lower	Upper
196	100		
200	31.8	24.2	36.4
198	93.4	76.2	114.2

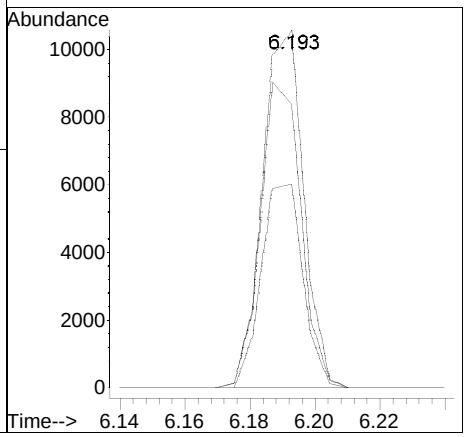


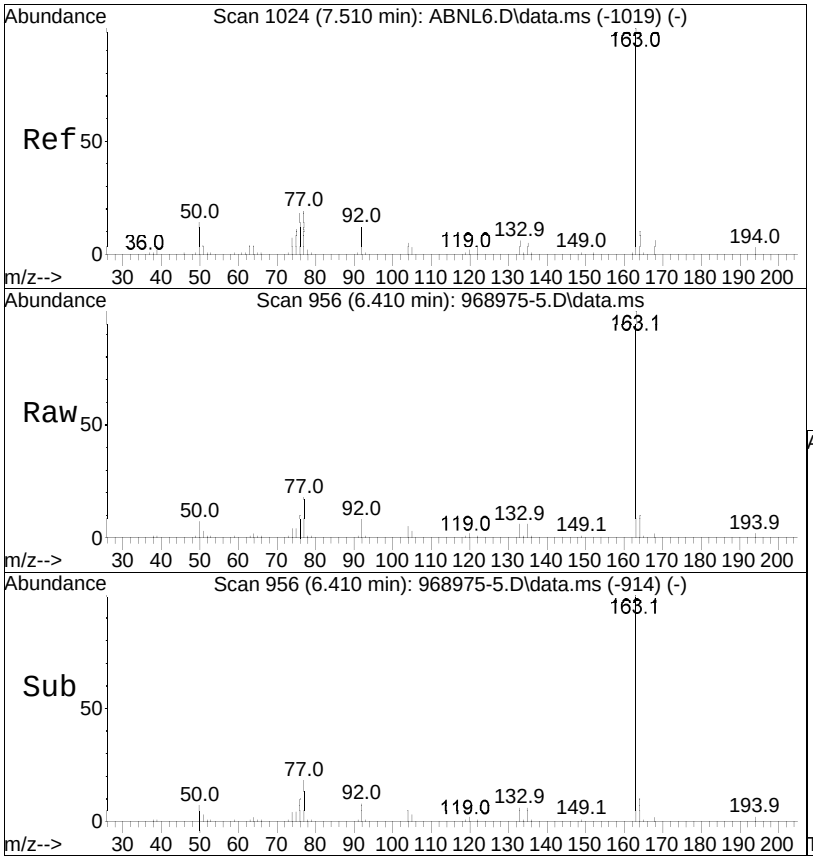


#48
2-Nitroaniline
Concen: 1.85 ug/ml
RT: 6.193 min Scan# 919
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:138 Resp: 9208

Ion	Ratio	Lower	Upper
138	100		
92	58.0	52.1	78.1
65	84.5	75.9	113.9

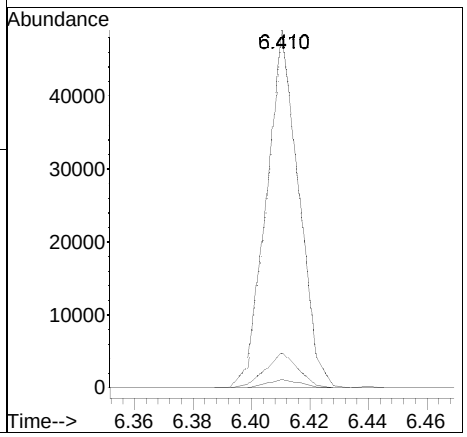


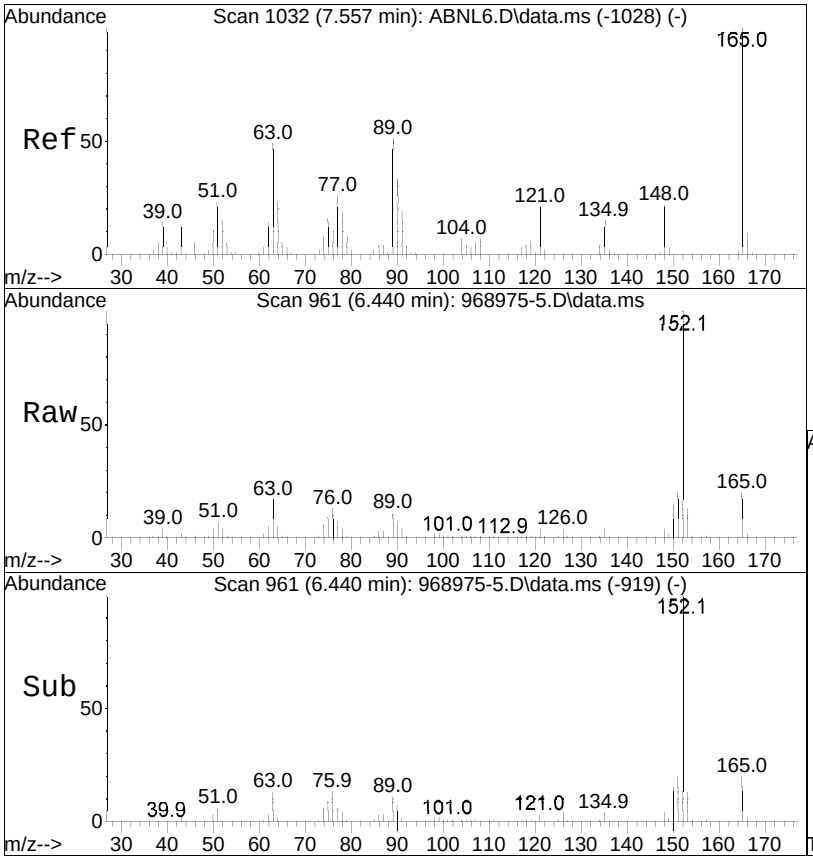


#51
Dimethyl phthalate
Concen: 1.62 ug/ml
RT: 6.410 min Scan# 956
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:163 Resp: 37138

Ion	Ratio	Lower	Upper
163	100		
194	2.4	2.3	3.5
164	10.0	8.2	12.2

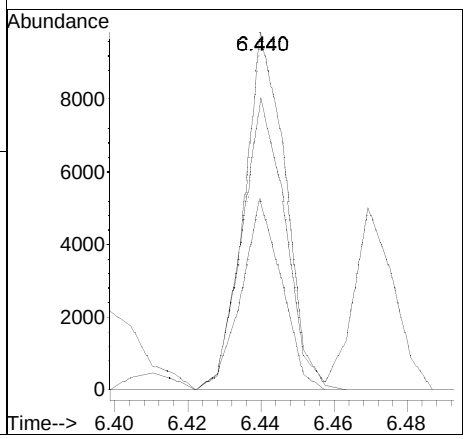


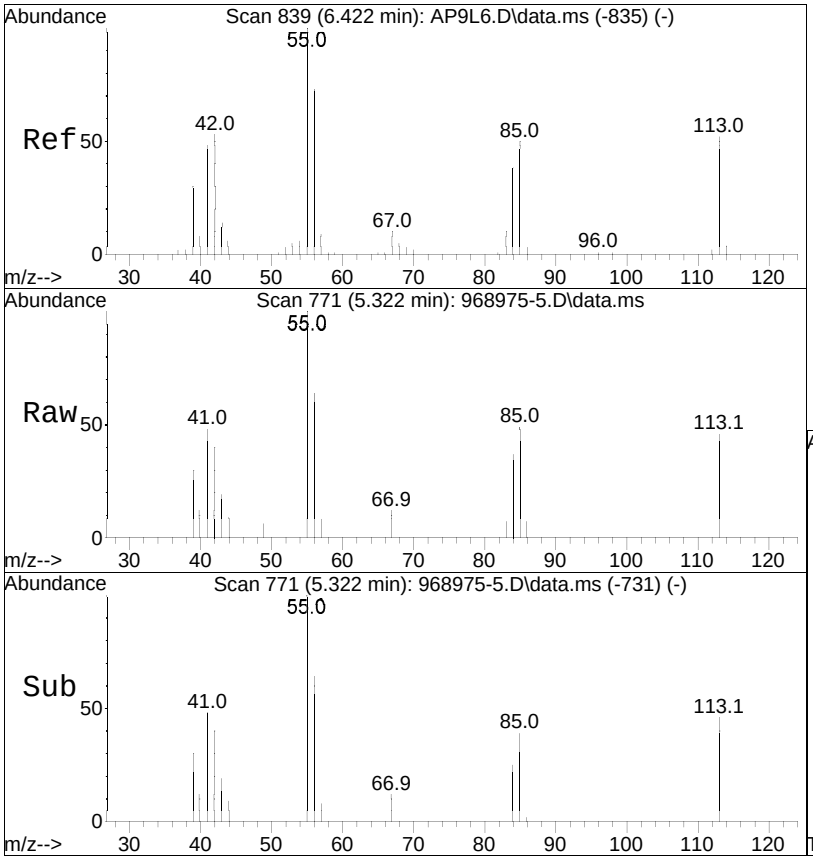


#53
2,6-Dinitrotoluene
Concen: 1.80 ug/ml
RT: 6.440 min Scan# 961
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:165 Resp: 7713

Ion	Ratio	Lower	Upper
165	100		
89	52.3	48.8	73.2
63	85.2	50.5	75.7#

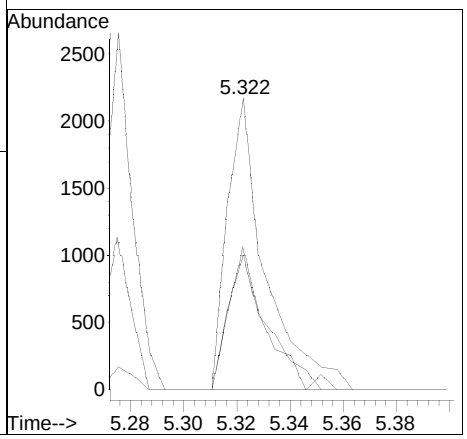


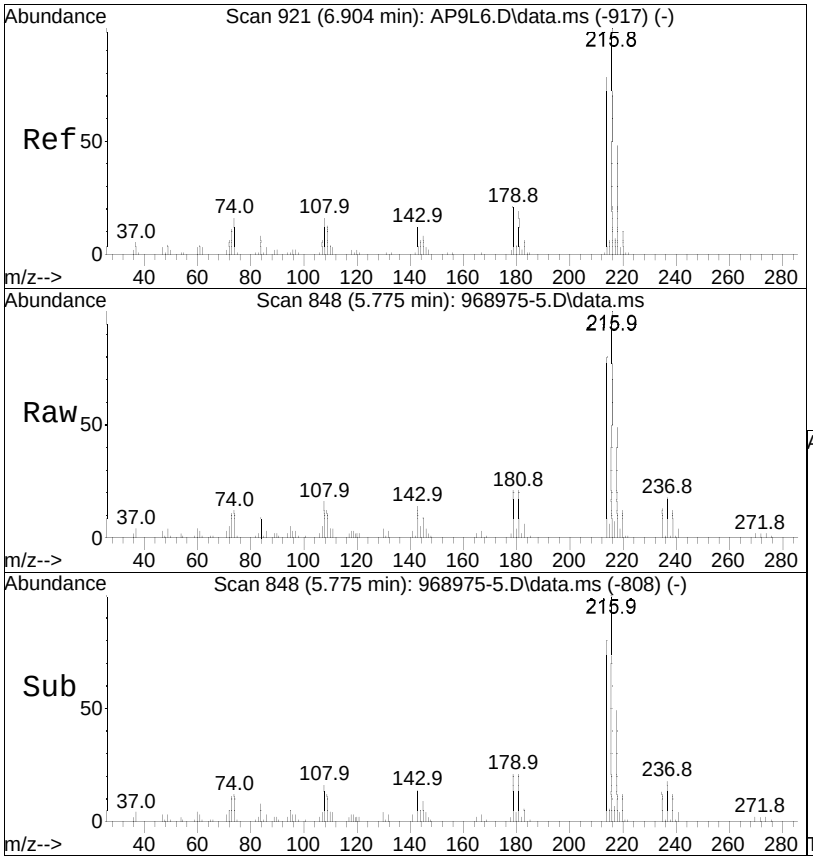


#60
Caprolactam
Concen: 0.94 ug/ml
RT: 5.322 min Scan# 771
Delta R.T. -0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 55 Resp: 2165

Ion	Ratio	Lower	Upper
55	100		
85	47.1	35.2	52.8
113	47.9	36.6	55.0

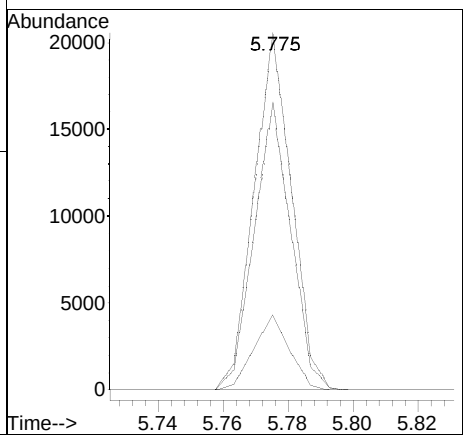


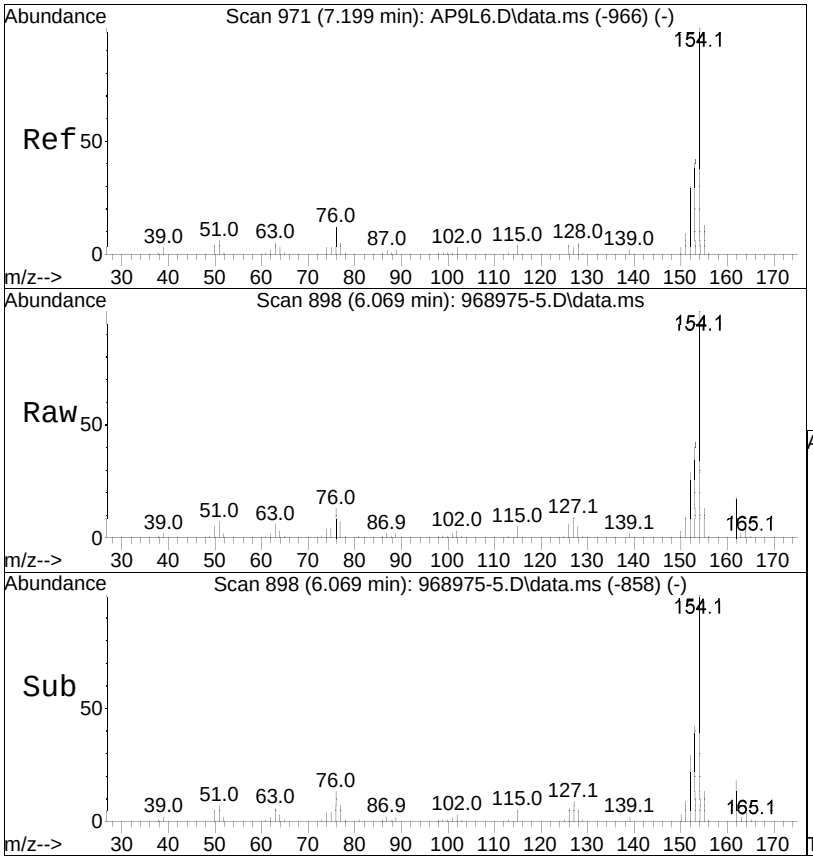


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.39 ug/ml
RT: 5.775 min Scan# 848
Delta R.T. -0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:216 Resp: 16468

Ion	Ratio	Lower	Upper
216	100		
214	78.8	64.0	96.0
179	20.0	18.7	28.1

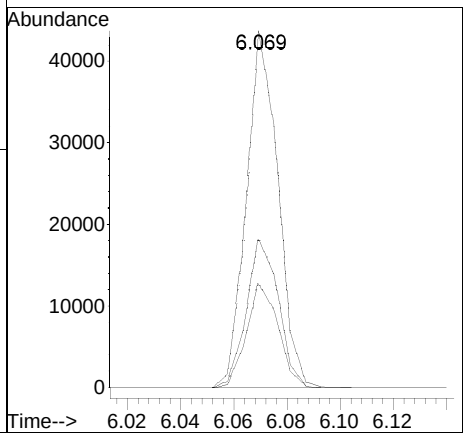


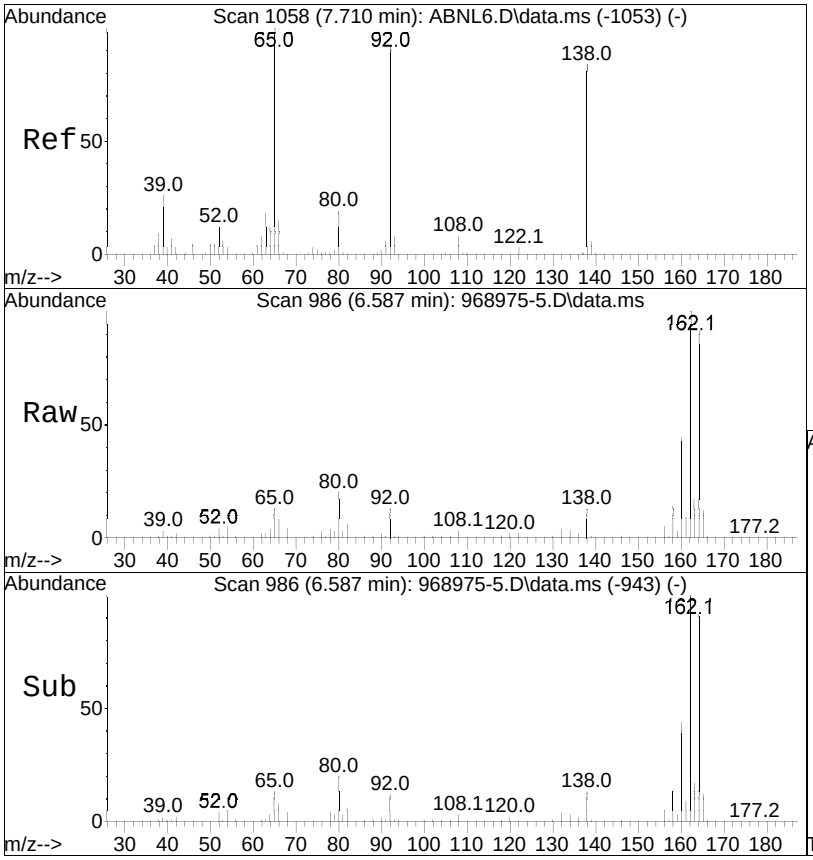


#62
Biphenyl
Concen: 1.40 ug/ml
RT: 6.069 min Scan# 898
Delta R.T. -0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:154 Resp: 35722

Ion	Ratio	Lower	Upper
154	100		
153	42.4	32.5	48.7
152	29.6	22.6	34.0

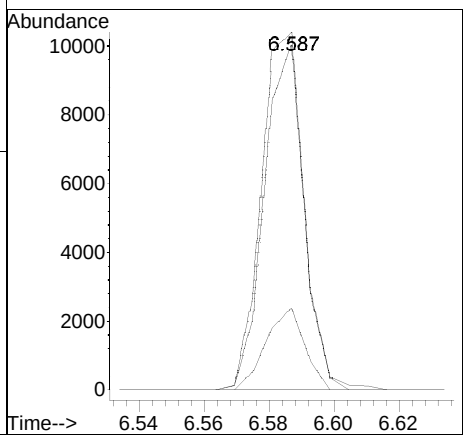


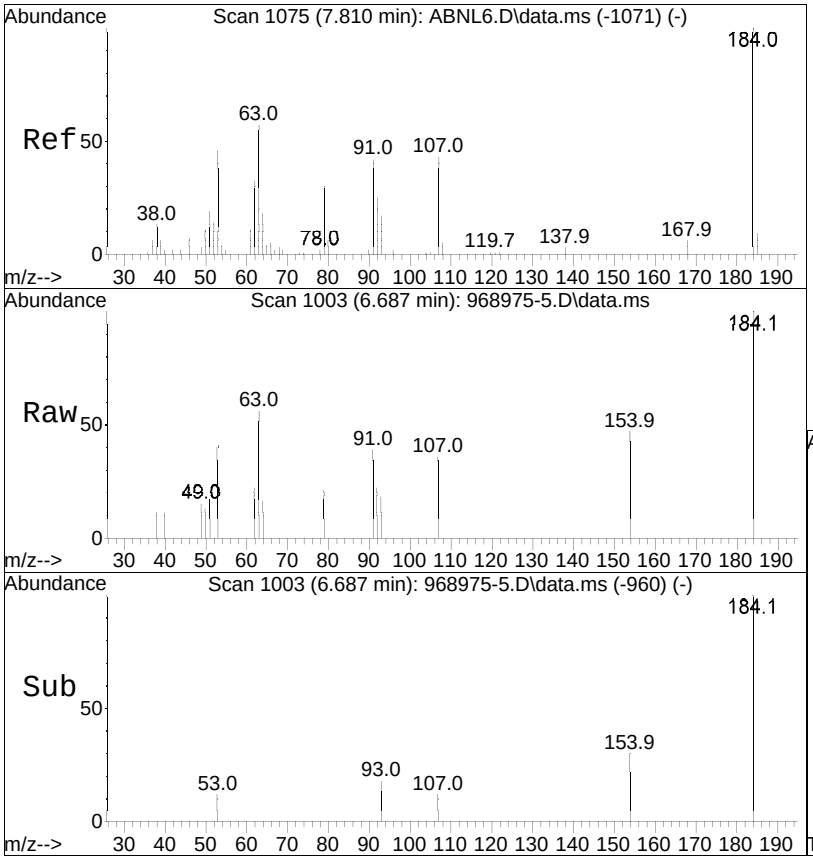


#64
3-Nitroaniline
Concen: 1.83 ug/ml
RT: 6.587 min Scan# 986
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:138 Resp: 8389

Ion	Ratio	Lower	Upper
138	100		
92	112.0	92.8	139.2
108	23.4	7.9	11.9#

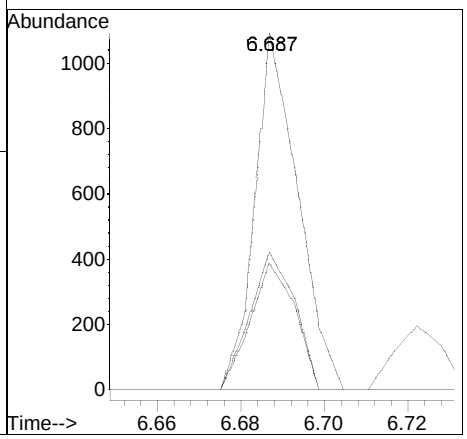


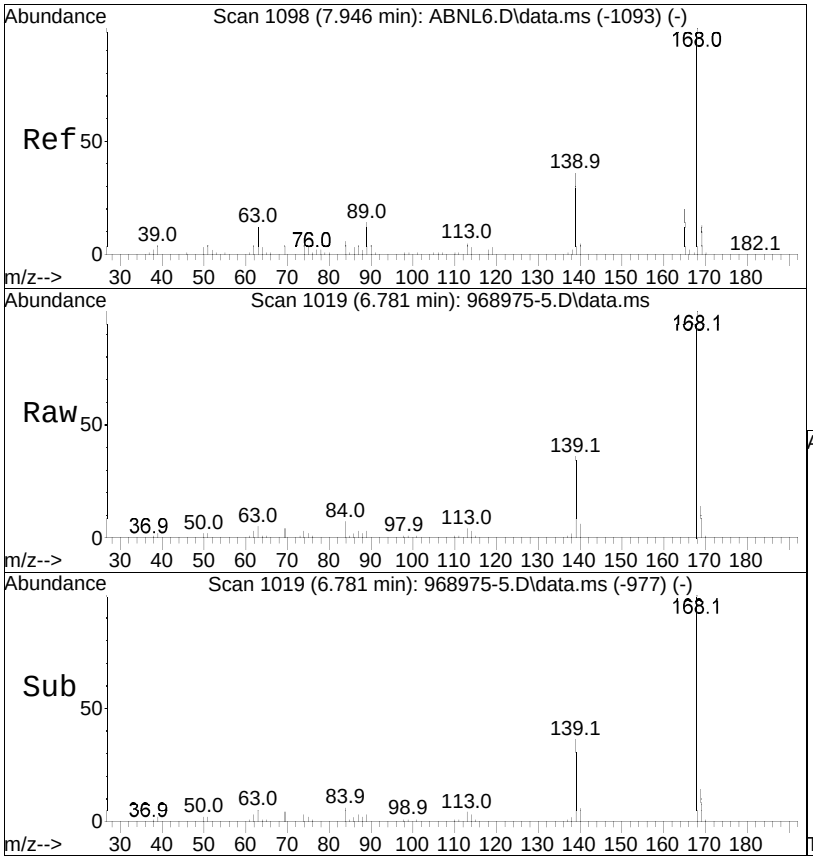


#66
2,4-Dinitrophenol
Concen: 0.67 ug/ml
RT: 6.687 min Scan# 1003
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:184 Resp: 775

Ion	Ratio	Lower	Upper
184	100		
107	0.0	41.8	62.6#
91	113.7	44.2	66.2#

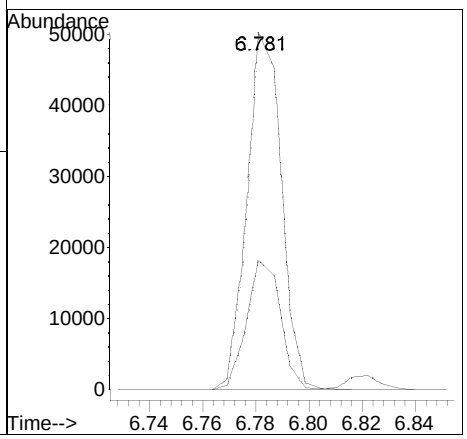


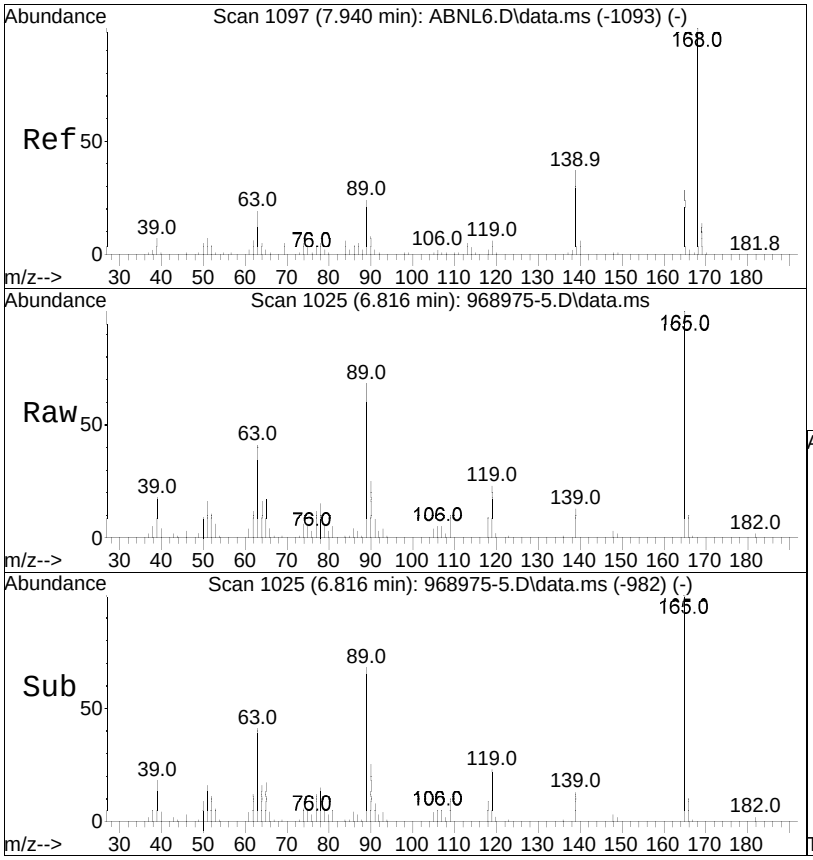


#67
Dibenzofuran
Concen: 1.59 ug/ml
RT: 6.781 min Scan# 1019
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:168 Resp: 44725

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

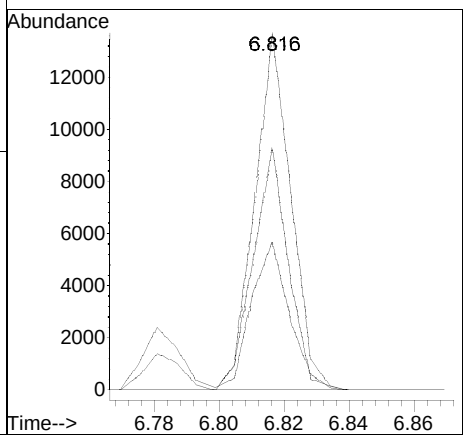


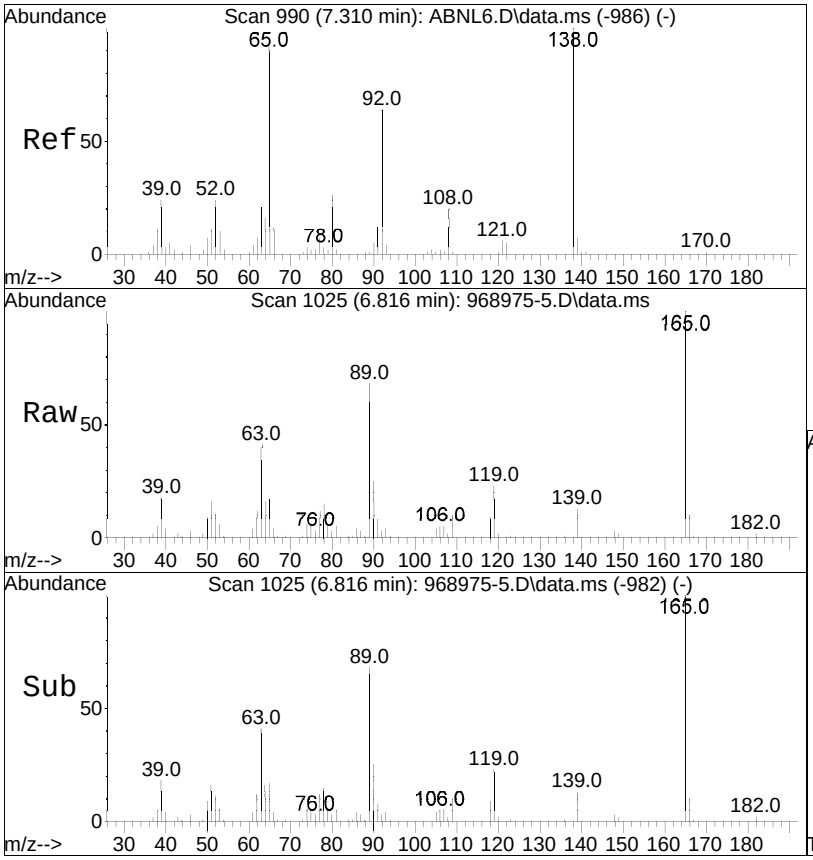


#68
2,4-Dinitrotoluene
Concen: 1.79 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:165 Resp: 10524

Ion	Ratio	Lower	Upper
165	100		
89	66.1	73.0	109.4#
63	43.6	56.3	84.5#

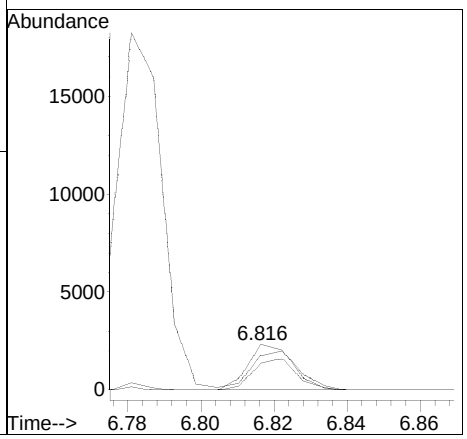


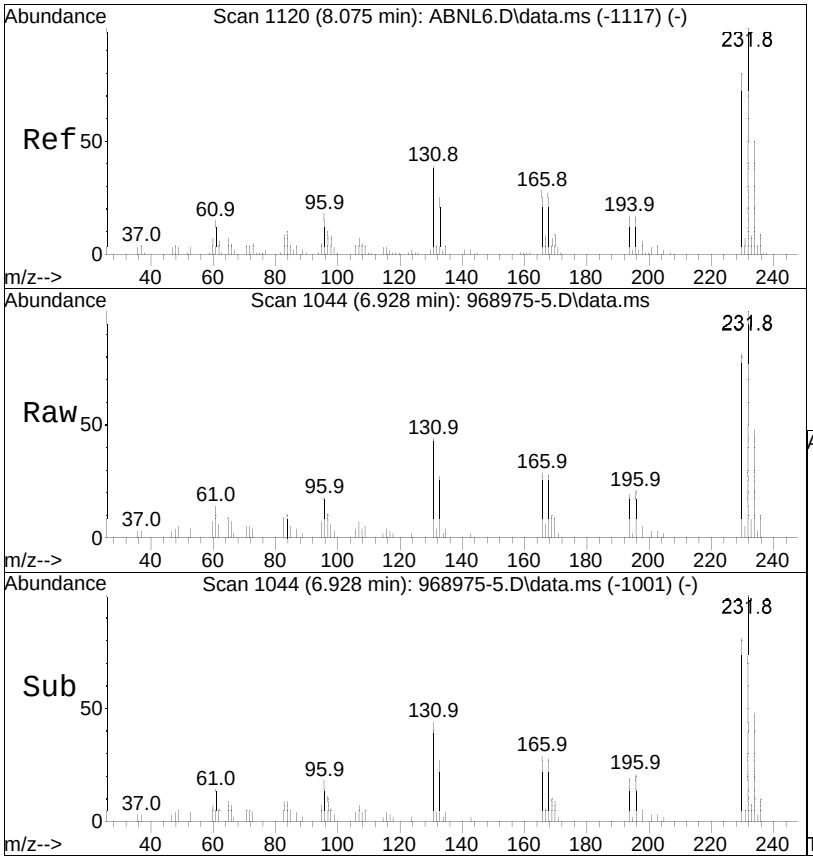


#69
4-Nitrophenol
Concen: 0.45 ug/ml
RT: 6.816 min Scan# 1025
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 65 Resp: 1993

Ion	Ratio	Lower	Upper
65	100		
109	66.6	60.2	90.2
139	91.0	81.1	121.7

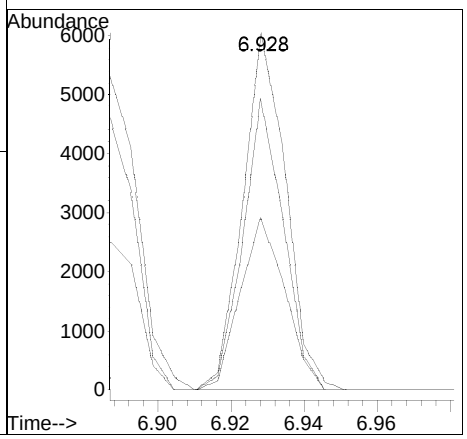


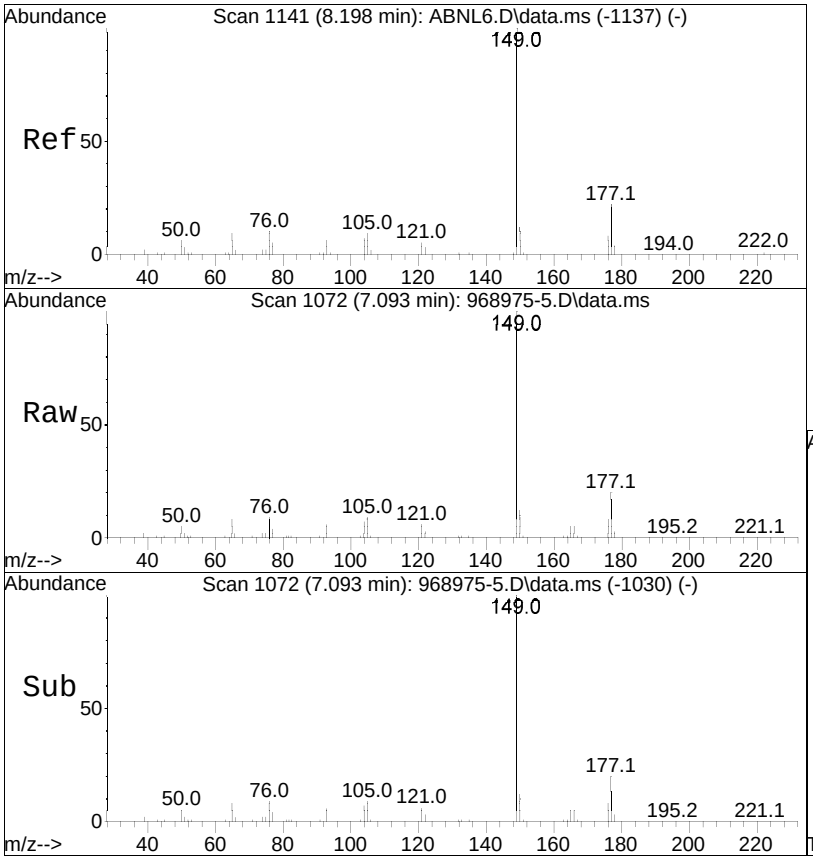


#71
2,3,4,6-Tetrachlorophenol
Concen: 0.87 ug/ml
RT: 6.928 min Scan# 1044
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:232 Resp: 4925

Ion	Ratio	Lower	Upper
232	100		
230	77.2	63.8	95.8
234	50.5	39.0	58.6

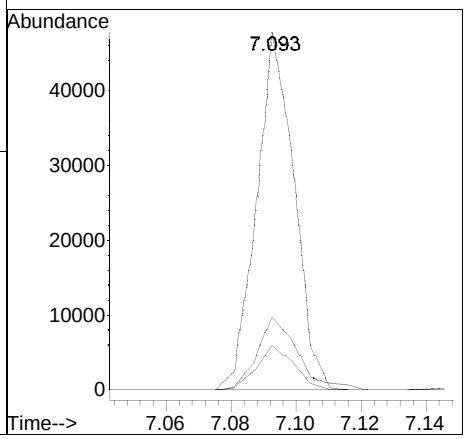


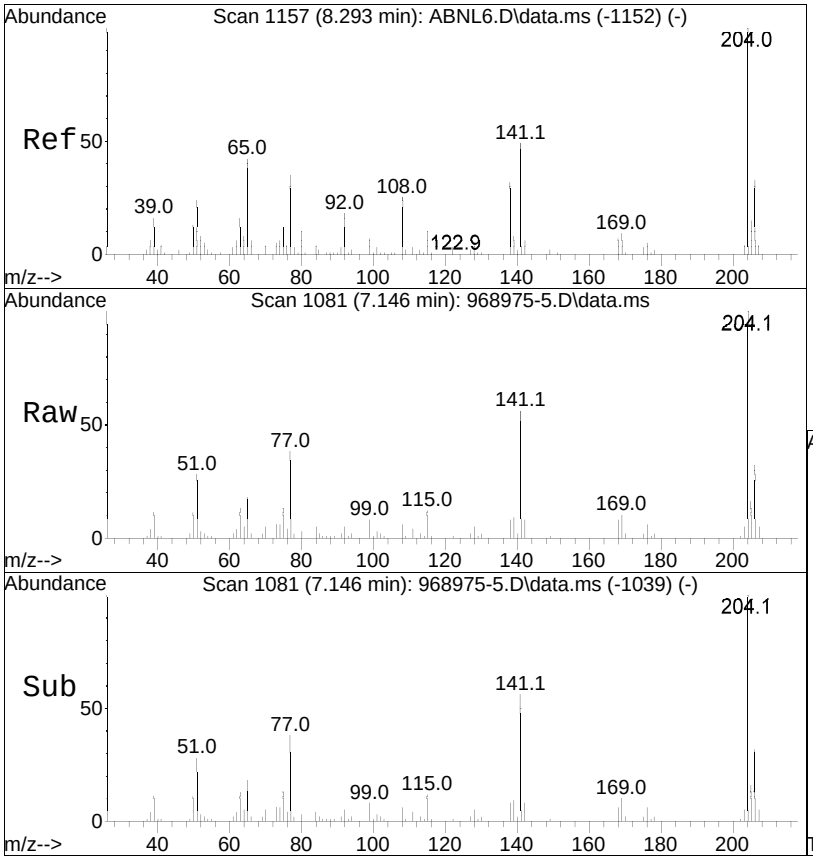


#72
Diethyl phthalate
Concen: 1.66 ug/ml
RT: 7.093 min Scan# 1072
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:149 Resp: 37959

Ion	Ratio	Lower	Upper
149	100		
177	22.1	15.0	22.6
150	12.6	9.8	14.6

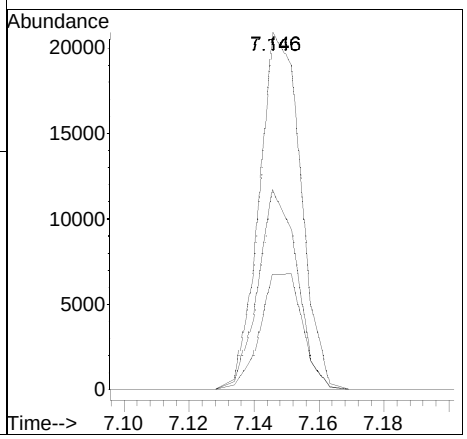


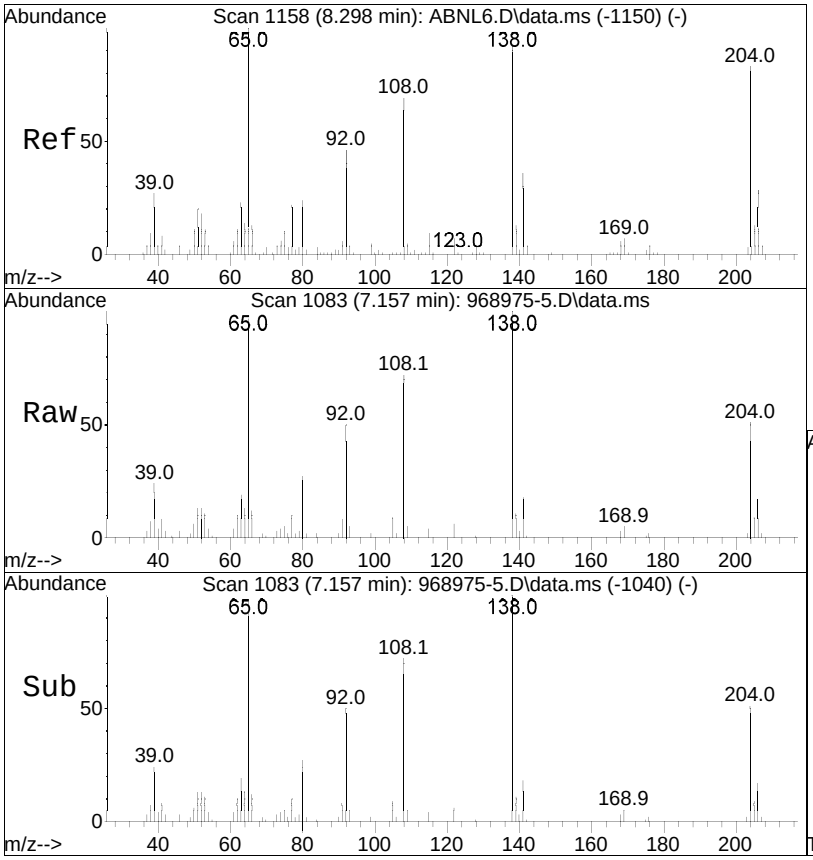


#74
4-Chlorophenyl phenyl ether
Concen: 1.54 ug/ml
RT: 7.146 min Scan# 1081
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:204 Resp: 18451

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.3	39.5
141	52.6	58.4	87.6#

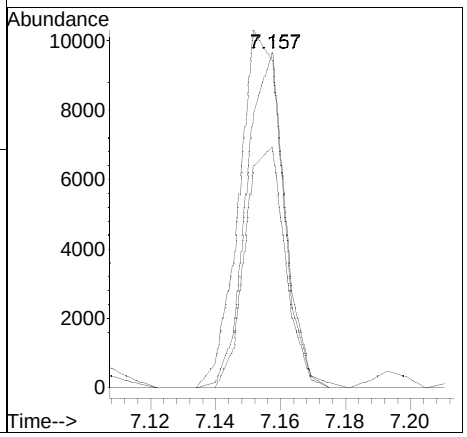


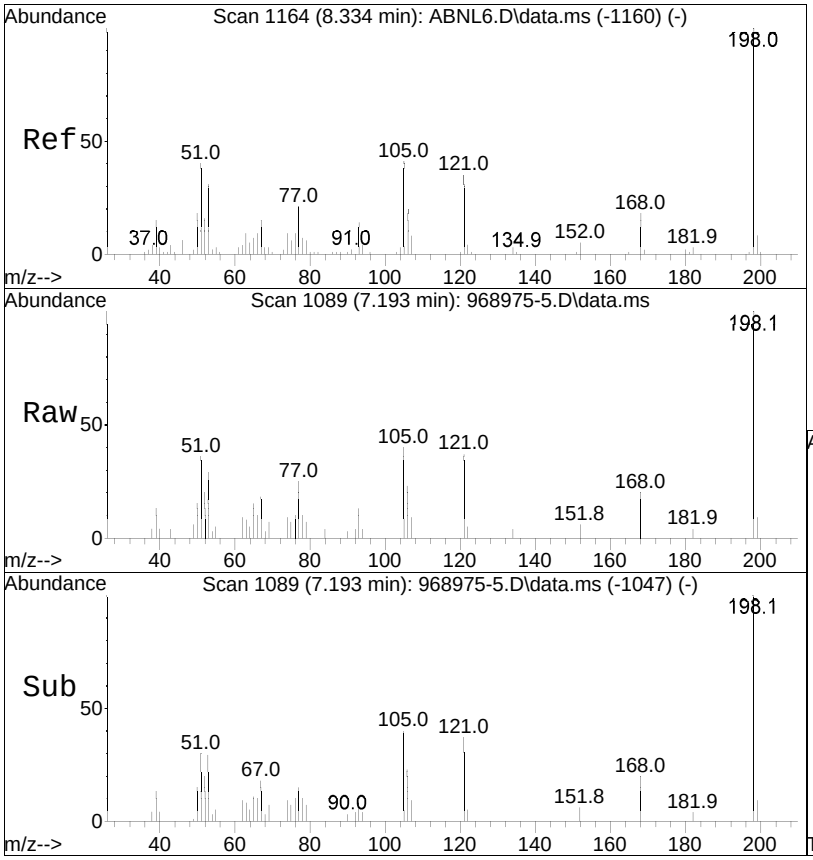


#75
4-Nitroaniline
Concen: 1.65 ug/ml
RT: 7.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:138 Resp: 7951

Ion	Ratio	Lower	Upper
138	100		
108	74.5	59.2	88.8
65	118.8	97.6	146.4

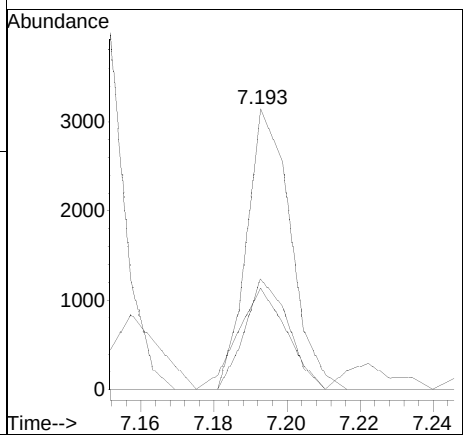


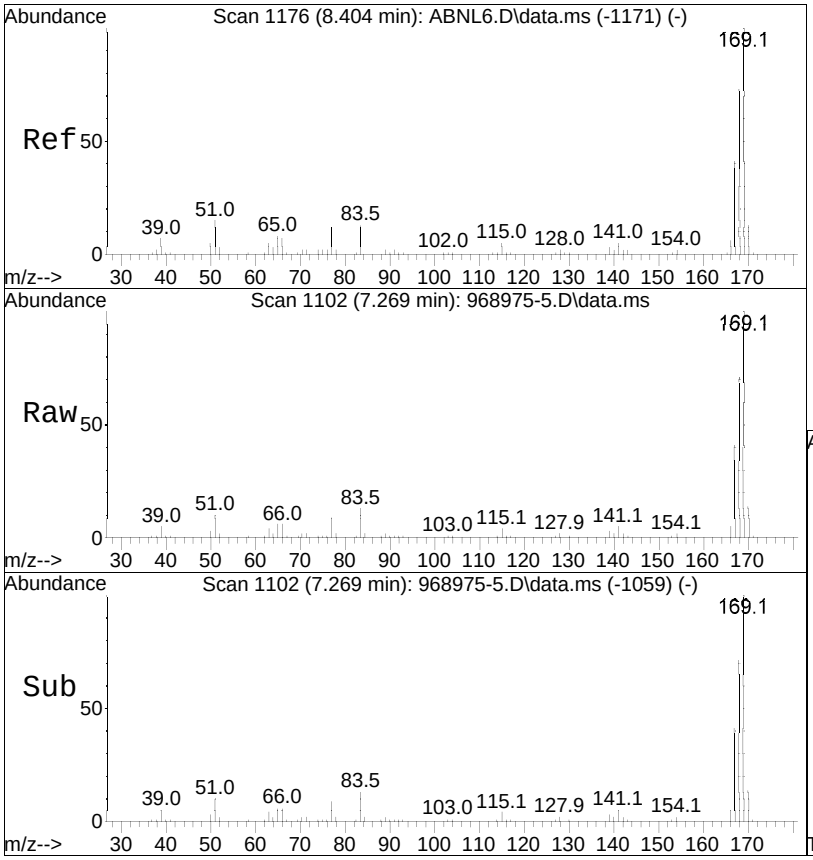


#76
4,6-Dinitro-o-cresol
Concen: 0.89 ug/ml
RT: 7.193 min Scan# 1089
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:198 Resp: 2615

Ion	Ratio	Lower	Upper
198	100		
51	40.5	49.9	74.9#
105	39.0	45.8	68.6#

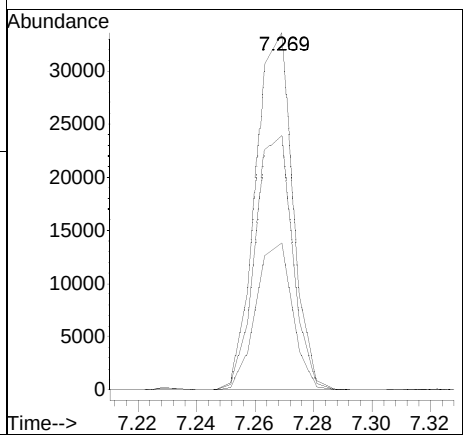


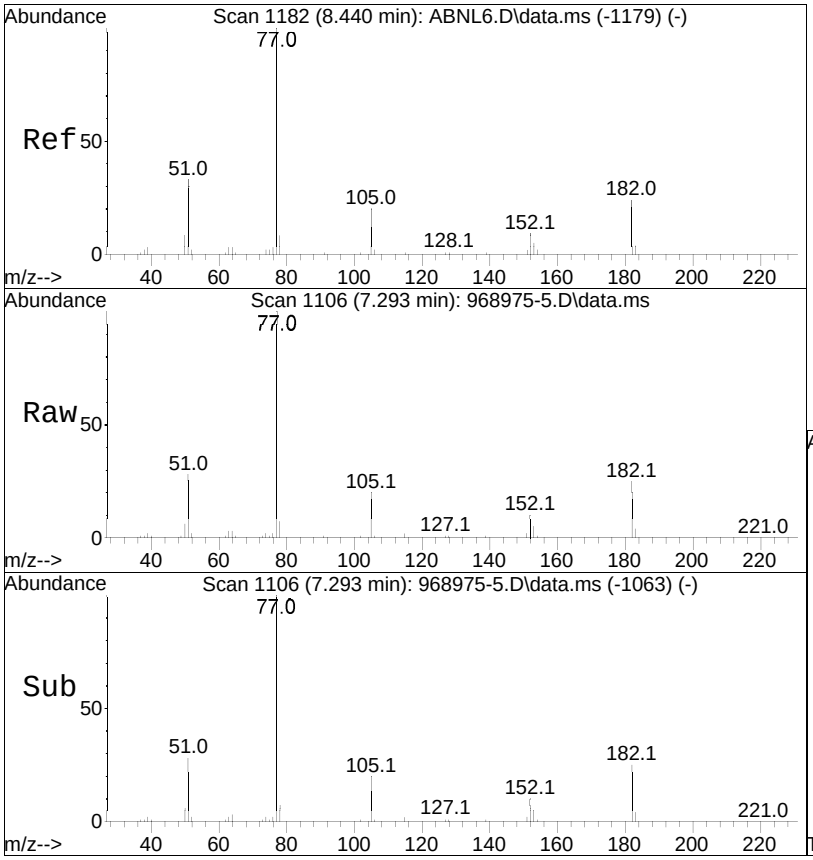


#77
NDPA/DPA
Concen: 1.57 ug/ml
RT: 7.269 min Scan# 1102
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:169 Resp: 29652

Ion	Ratio	Lower	Upper
169	100		
168	72.0	55.2	82.8
167	40.9	30.4	45.6

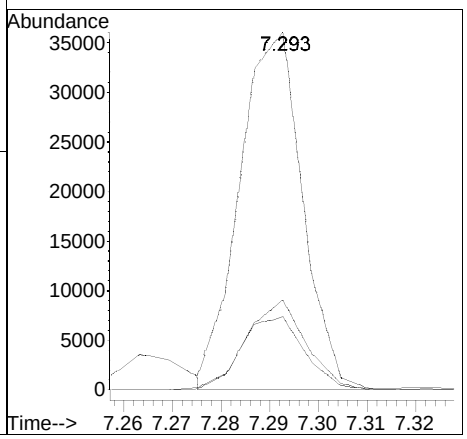


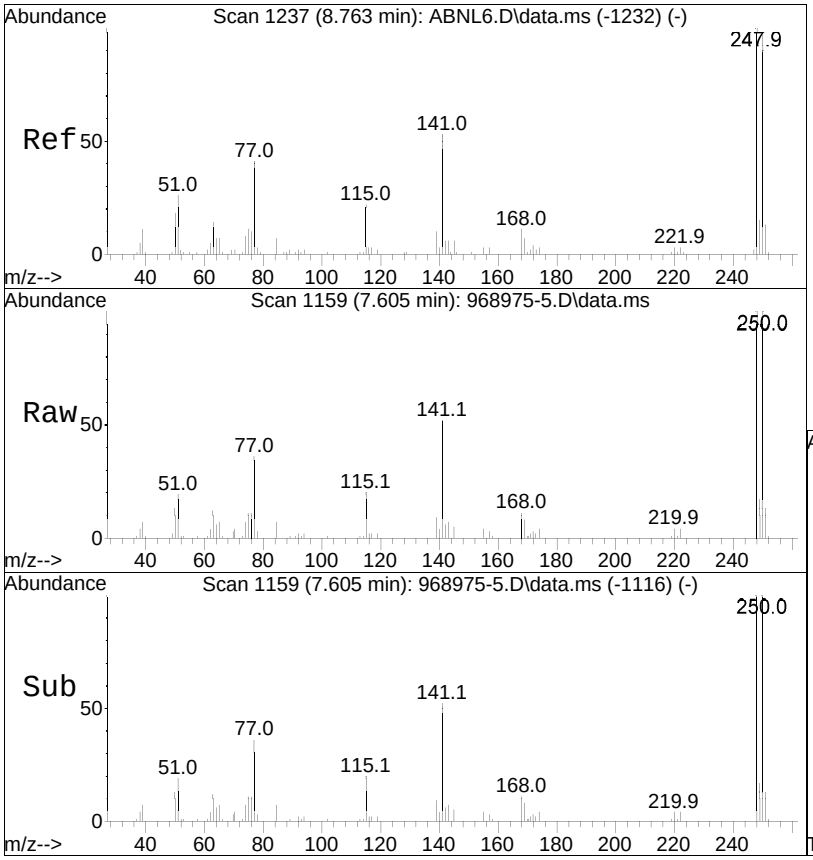


#78
Azobenzene
Concen: 1.61 ug/ml M6
RT: 7.293 min Scan# 1106
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion: 77 Resp: 32140

Ion	Ratio	Lower	Upper
77	100		
182	23.9	16.2	24.2
105	21.0	17.9	26.9

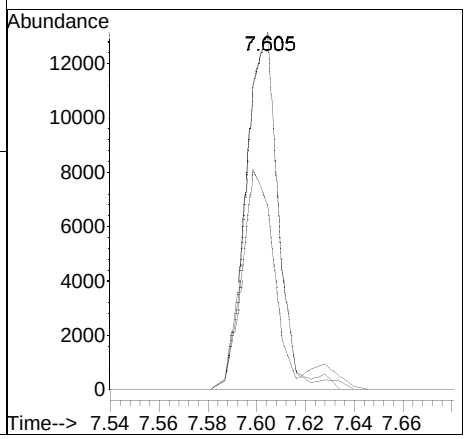


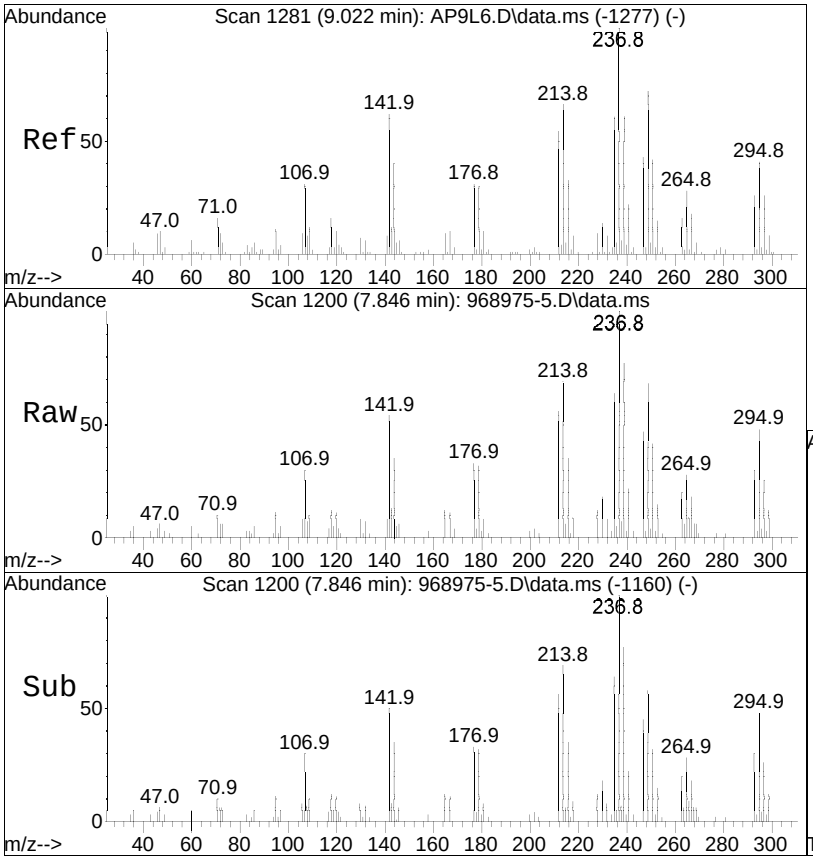


#80
4-Bromophenyl phenyl ether
Concen: 1.58 ug/ml
RT: 7.605 min Scan# 1159
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:248 Resp: 12082

Ion	Ratio	Lower	Upper
248	100		
141	66.5	74.6	111.8#
250	98.6	76.9	115.3

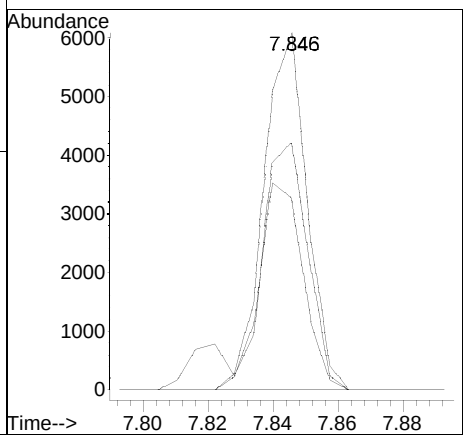


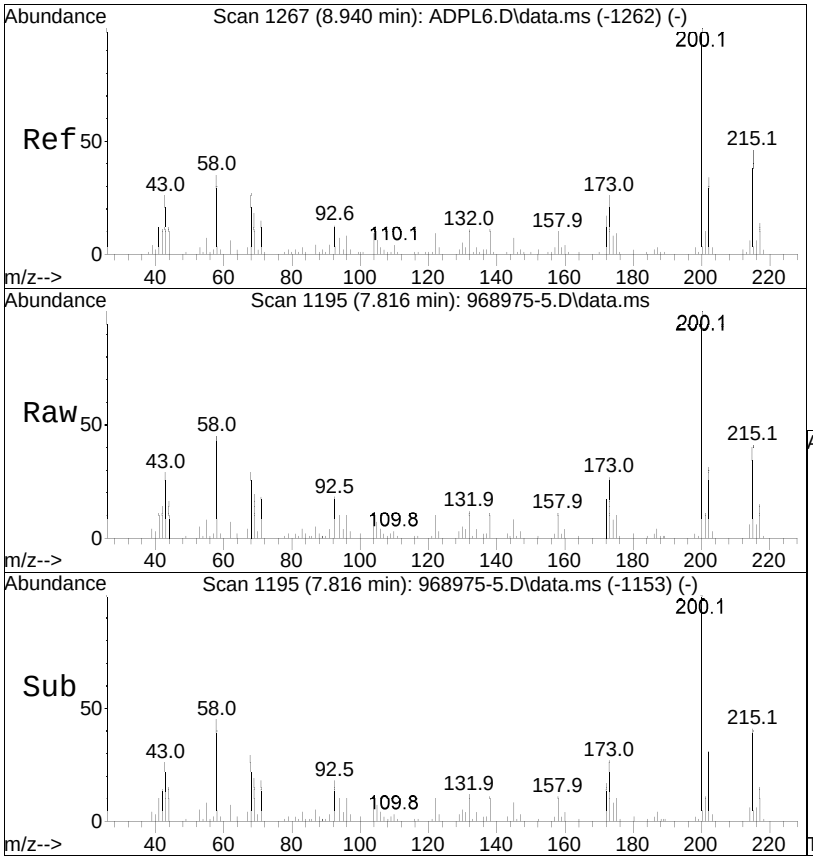


#85
Pentachloronitrobenzene
Concen: 1.56 ug/ml
RT: 7.846 min Scan# 1200
Delta R.T. -0.018 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:237 Resp: 5621

Ion	Ratio	Lower	Upper
237	100		
142	59.2	70.3	105.5#
214	82.6	59.4	89.2

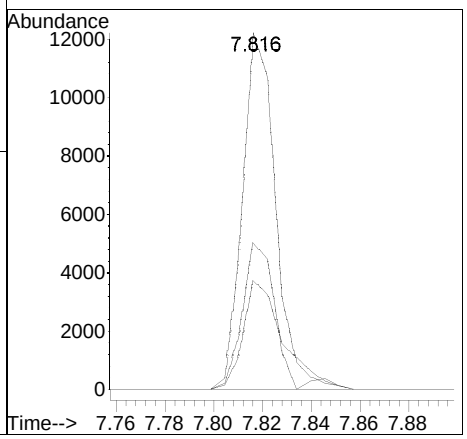


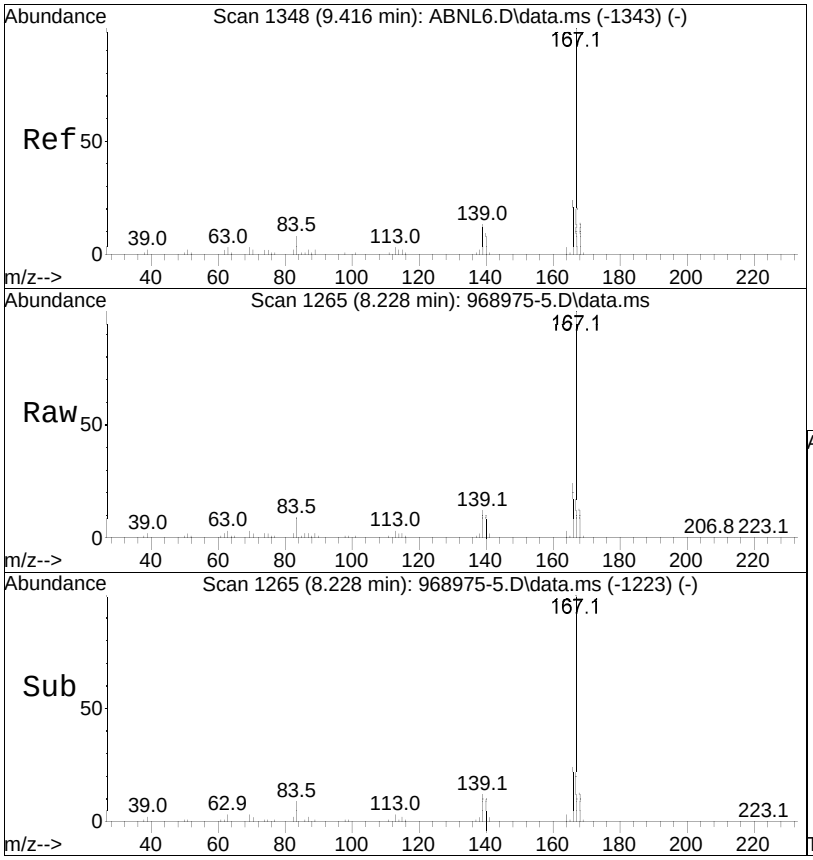


#87
Atrazine
Concen: 1.69 ug/ml
RT: 7.816 min Scan# 1195
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:200 Resp: 11427

Ion	Ratio	Lower	Upper
200	100		
202	37.1	25.0	37.6
215	40.5	34.5	51.7

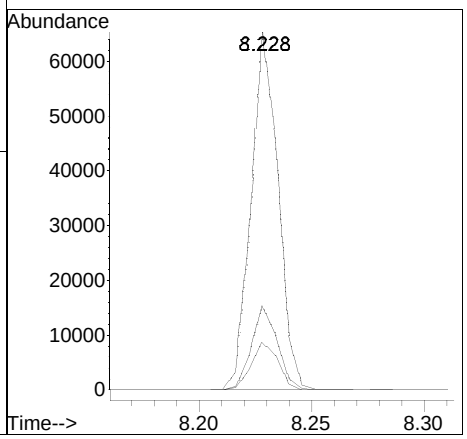


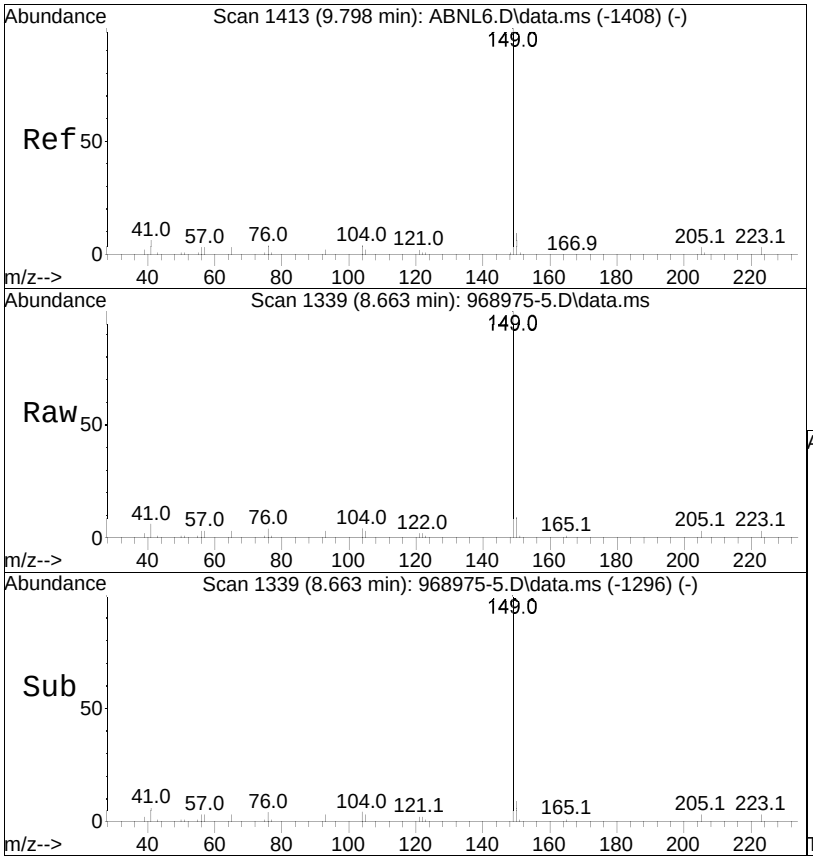


#91
Carbazole
Concen: 1.75 ug/ml
RT: 8.228 min Scan# 1265
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:167 Resp: 53976

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.8	16.2
166	22.6	17.7	26.5

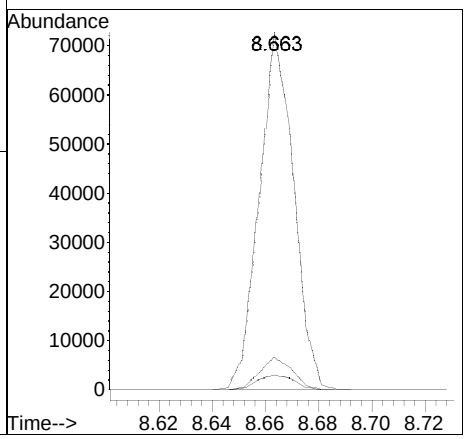


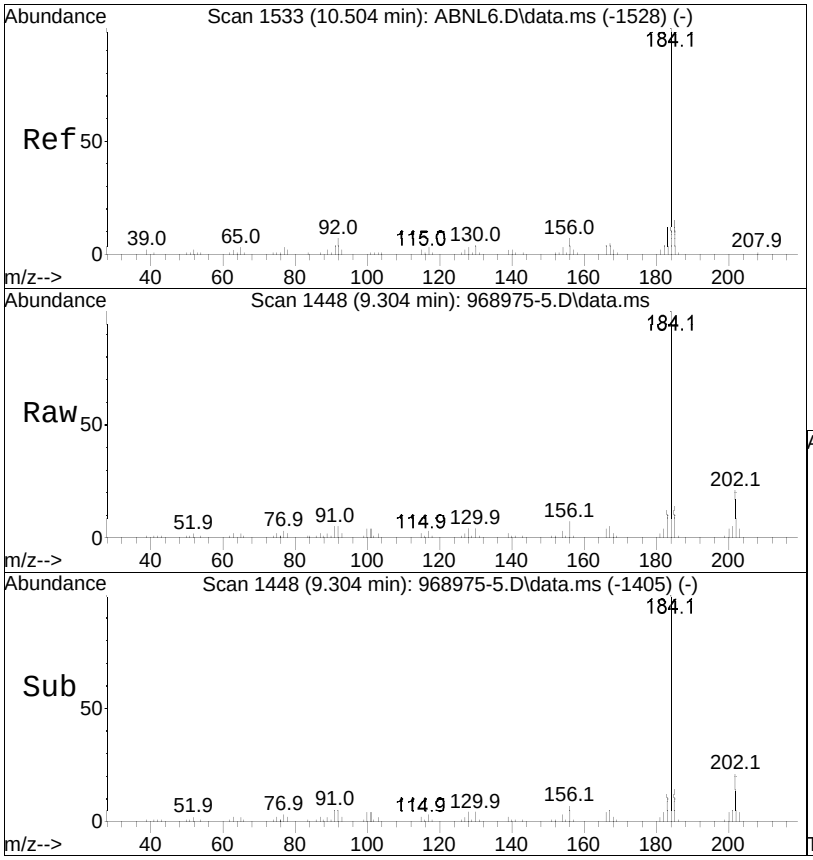


#92
Di-n-butylphthalate
Concen: 1.91 ug/ml
RT: 8.663 min Scan# 1339
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:149 Resp: 64396

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.6	4.0	6.0

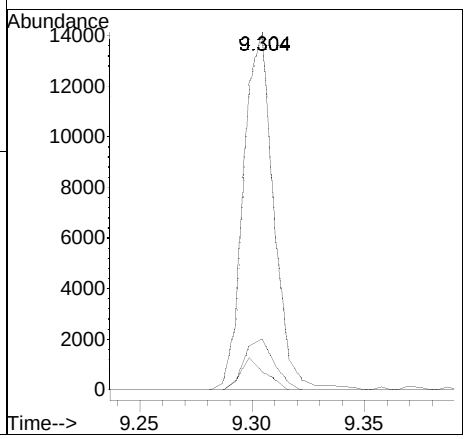


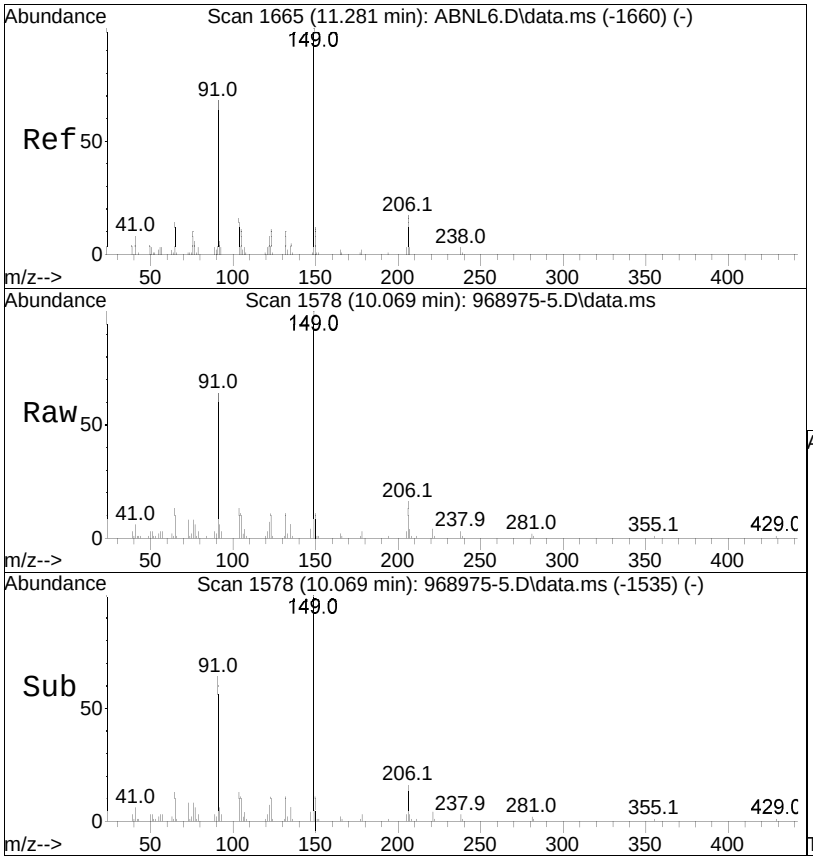


#94
Benzidine
Concen: 0.60 ug/ml
RT: 9.304 min Scan# 1448
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:184 Resp: 13138

Ion	Ratio	Lower	Upper
184	100		
92	7.4	7.3	10.9
185	14.2	11.8	17.8

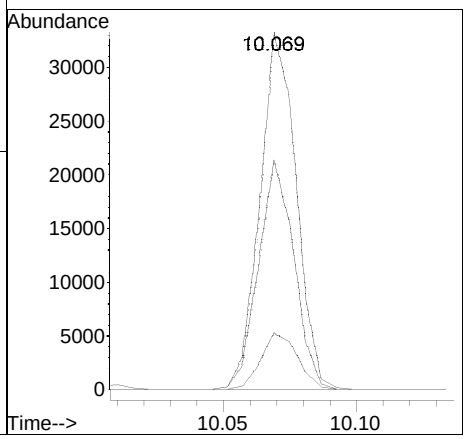


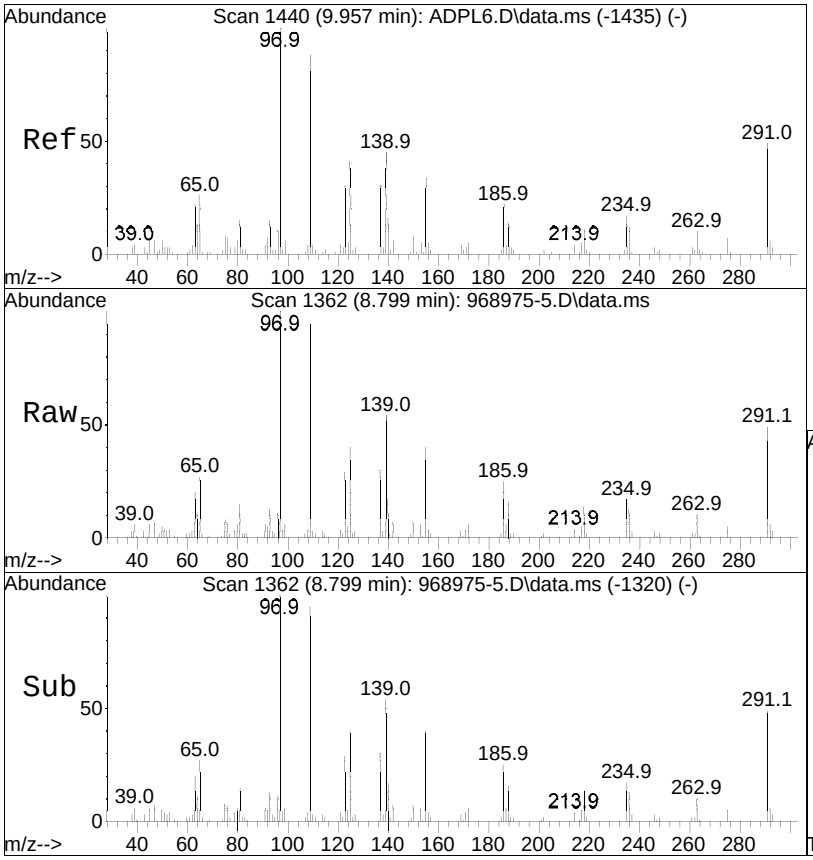


#97
Butyl benzyl phthalate
Concen: 2.09 ug/ml
RT: 10.069 min Scan# 1578
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:149 Resp: 31170

Ion	Ratio	Lower	Upper
149	100		
91	63.1	57.9	86.9
206	16.1	11.9	17.9

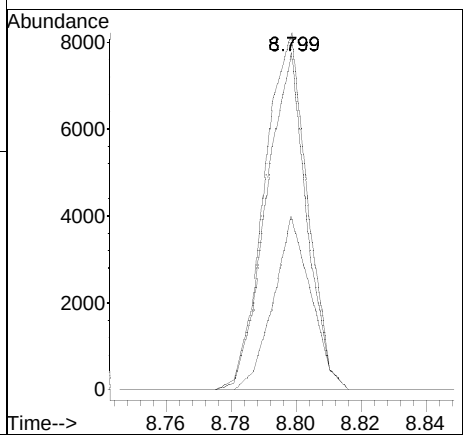


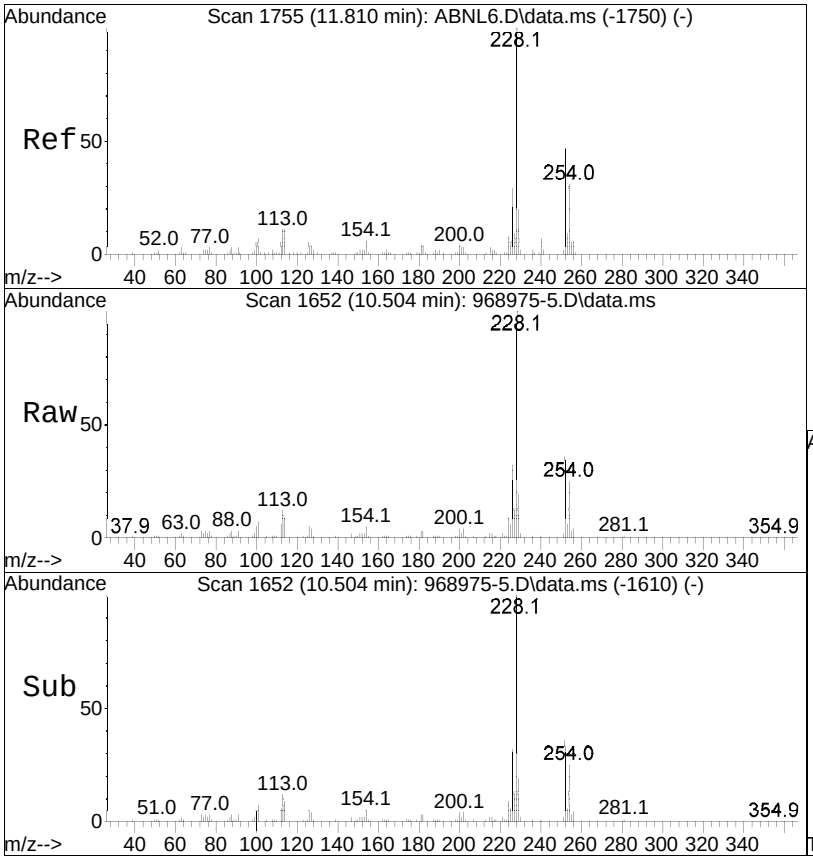


#102
Parathion
Concen: 2.38 ug/ml
RT: 8.799 min Scan# 1362
Delta R.T. -0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:109 Resp: 6629

Ion	Ratio	Lower	Upper
109	100		
97	112.6	85.4	128.2
291	48.1	25.4	38.2#

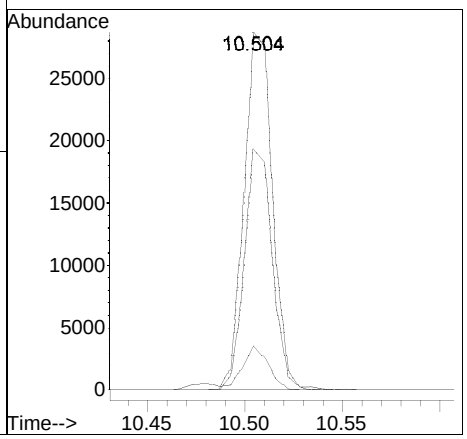


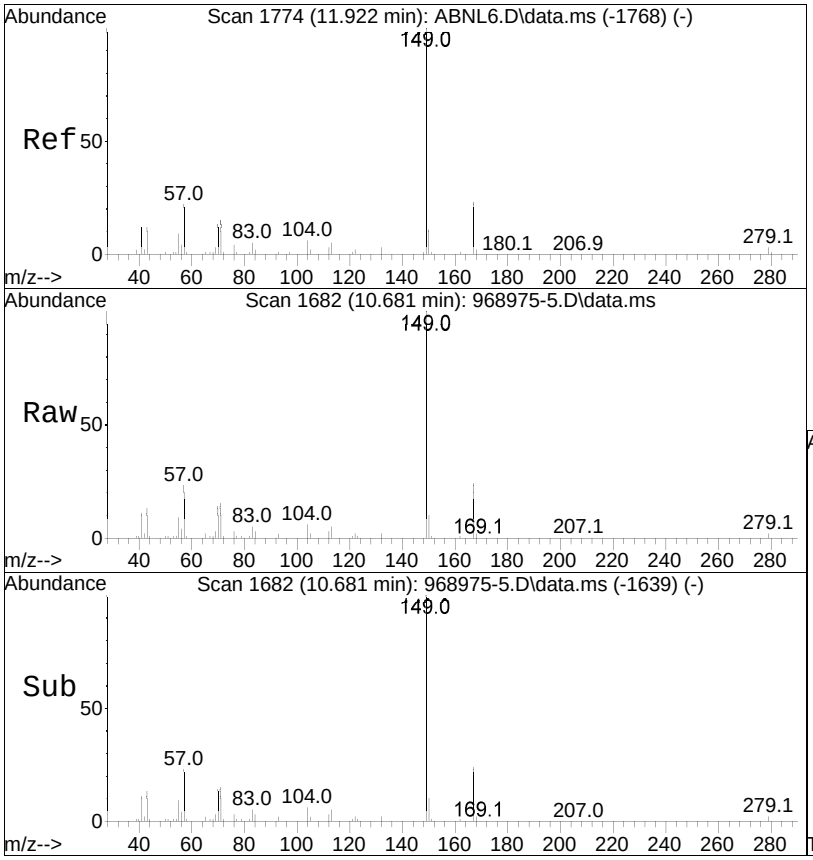


#106
3,3'-Dichlorobenzidine
Concen: 1.65 ug/ml
RT: 10.504 min Scan# 1652
Delta R.T. -0.006 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:252 Resp: 28986

Ion	Ratio	Lower	Upper
252	100		
126	13.0	12.6	19.0
254	65.9	51.1	76.7

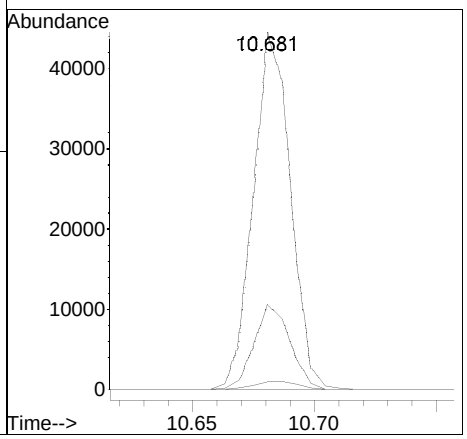


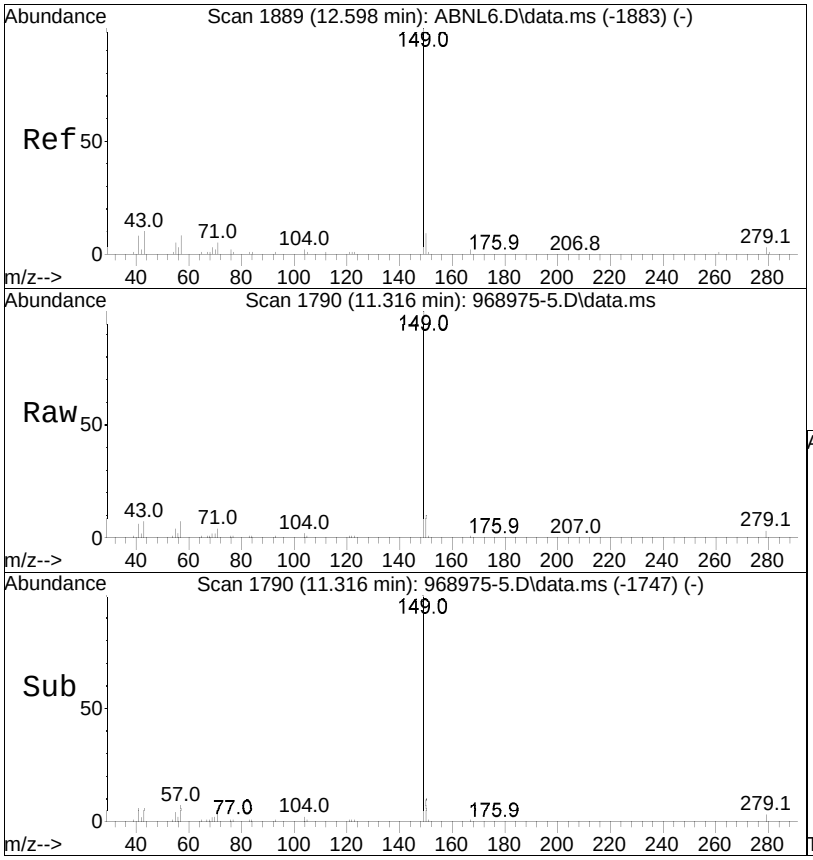


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.94 ug/ml
RT: 10.681 min Scan# 1682
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:149 Resp: 46624

Ion	Ratio	Lower	Upper
149	100		
167	23.2	18.4	27.6
279	2.5	1.7	2.5

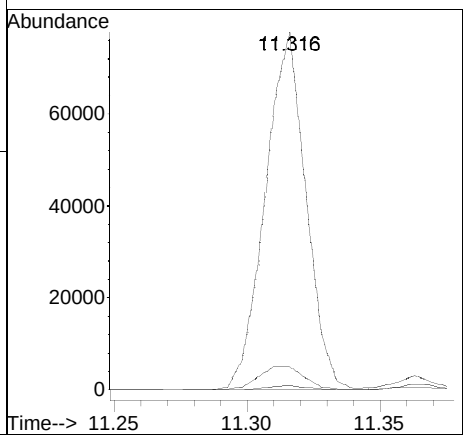




#109
Di-n-octylphthalate
Concen: 2.22 ug/ml
RT: 11.316 min Scan# 1790
Delta R.T. 0.000 min
Lab File: 968975-5.D
Acq: 09 Sep 2024 10:24 pm

Tgt Ion:149 Resp: 81783

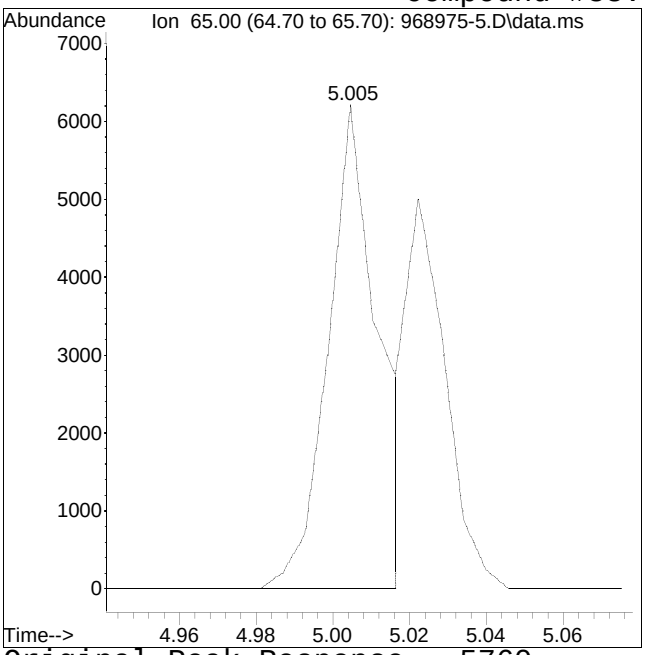
Ion	Ratio	Lower	Upper
149	100		
43	7.7	8.2	12.2#
167	1.2	1.1	1.7



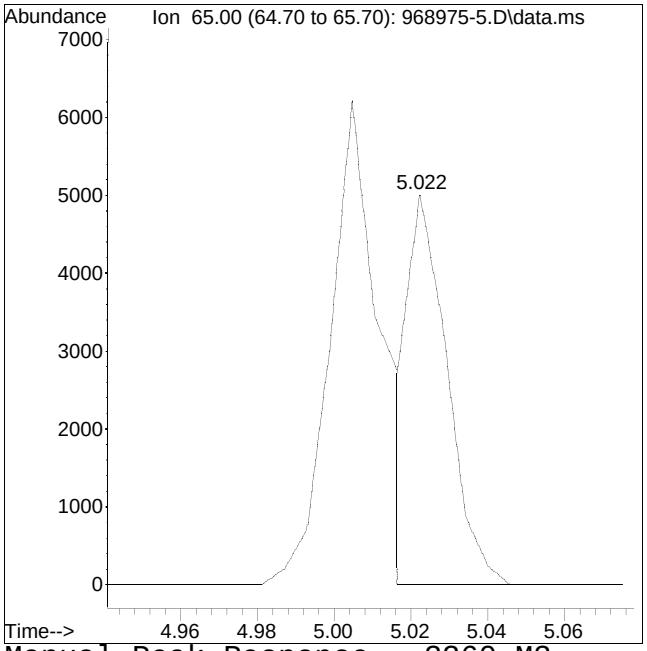
Manual Integration Report

Data Path	: I:\8270\SV112\240909RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 968975-5.D	Operator	: SV112:smz
Date Inj'd	: 9/9/2024 10:24 pm	Instrument	: SV112
Sample	: WG1968975-5,32,,HNY	Quant Date	: 9/9/2024 10:42 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 5760



Manual Peak Response = 3360 M3

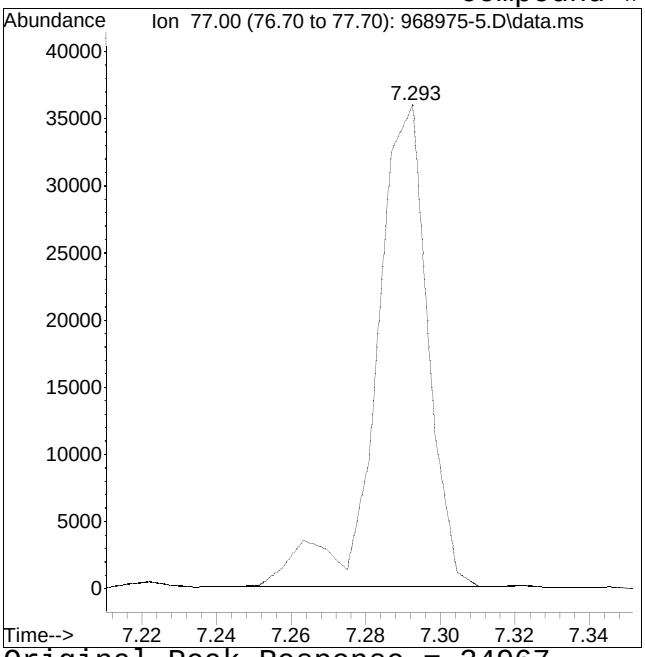
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

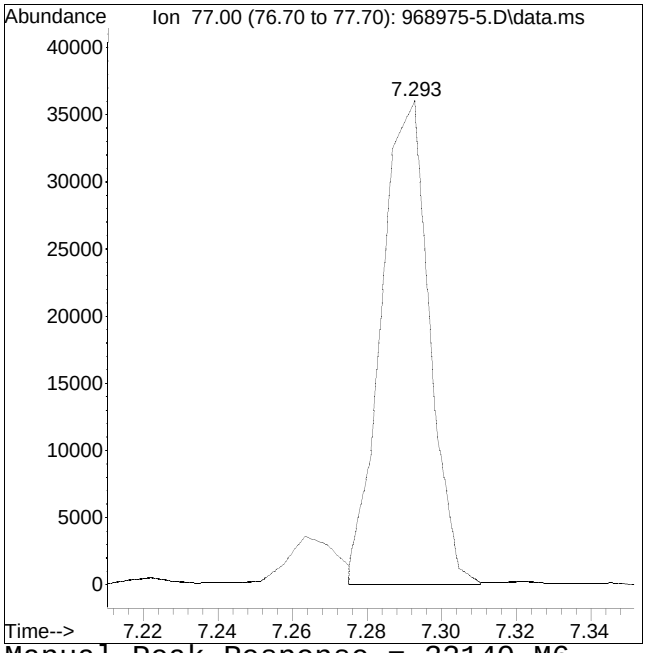
Data Path : I:\8270\SV112\240909RVT\
Data File : 968975-5.D
Date Inj'd : 9/9/2024 10:24 pm
Sample : WG1968975-5,32,,HNY

QMethod : FS240625SV112RVT.m
Operator : SV112:smz
Instrument : SV112
Quant Date : 9/9/2024 10:42 pm

Compound #78: Azobenzene



Original Peak Response = 34967



Manual Peak Response = 32140 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 02:02 pm

Work Group: WG1968879 for Department: 2 Organic Preparation

Created: 08-SEP-24 Due: Operator: DLP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450217-01	MW-03	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-02	MW-05R	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-03	MW-07	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-05	DUP	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450373-03	AOI5-TRACK4LEAD-FB2-090324	C	NYTCL-8270-RVT	WATER	DONE	U	0910	0911	S0	Amber-A.1
L2450400-08	FB_09042024	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450585-01	PZ-1S	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-02	PZ-1D	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-03	PZ-2S	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-04	PZ-2D	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450786-01	MW-5A	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-02	MW-5B	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-03	MW-6A	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-04	MW-6B	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-05	MW-7A	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-06	MW-7B	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-07	MW-8A	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
WG1968879-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968879-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968879-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968879-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968879-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG1968879-3	WG1968879-2
WG1968879-4	L2450217-04
WG1968879-5	L2450217-04

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 02:02 pm

Work Group: WG1968975 for Department: 2 Organic Preparation

Created: 09-SEP-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450417-01	MW-4A	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-02	MW-4B	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-03	MW-3A	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-04	MW-3B	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-06	MW-2A	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-07	MW-2B	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-08	MW-9A	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-09	MW-9B	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450423-10	TWP-1	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450648-07	B-1GW	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450648-08	B-2GW	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450648-09	B-6GW	C	NYTCL-8270-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450786-08	MW-8B	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-09	MW-10A	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-10	MW-10B	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-12	DUP	C	NYTCL-8270-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2451147-01	UST-UPPER	C	NYTCL-8270-RVT	WATER	DONE	U	0913	0913	3E	Amber-A.1
L2451147-02	UST-LOWER	C	NYTCL-8270-RVT	WATER	DONE	U	0913	0913	3E	Amber-A.1
WG1968975-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968975-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968975-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968975-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1968975-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG1968975-3	WG1968975-2
WG1968975-4	L2450417-06
WG1968975-5	L2450417-06

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV106\240624RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT.M	Tune1 Lot# 10853	WG1939040	6/24/2024 4:32 pm
2	ABNL9.D	ABNRVT.M	IL2,32,,ABNL50 Lot# 107	WG1939040	6/24/2024 4:56 pm
3	ABNL8.D	ABNRVT.M	IL3,32,,ABNL25 Lot# 107	WG1939040	6/24/2024 5:20 pm
4	ABNL7.D	ABNRVT.M	IL4,32,,ABNL10 Lot# 107	WG1939040	6/24/2024 5:43 pm
5	ABNL6.D	ABNRVT.M	IL5,32,,ABNL5 Lot# 1078	WG1939040	6/24/2024 6:07 pm
6	ABNL5.D	ABNRVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1939040	6/24/2024 6:31 pm
7	ABNL4.D	ABNRVT.M	IL7,32,,ABNL1 Lot# 1078	WG1939040	6/24/2024 6:54 pm
8	ABNL3.D	ABNRVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1939040	6/24/2024 7:18 pm
9	ABNL2.D	ABNRVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1939040	6/24/2024 7:42 pm
10	ABNL1.D	ABNRVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1939040,,	6/24/2024 8:05 pm
11	AP9L9.D	ABNRVT.M	IL2,32,,AP9L50 Lot# 107	WG1939040	6/24/2024 8:29 pm
12	AP9L8.D	ABNRVT.M	IL3,32,,AP9L25 Lot# 107	WG1939040	6/24/2024 8:53 pm
13	AP9L7.D	ABNRVT.M	IL4,32,,AP9L10 Lot# 107	WG1939040	6/24/2024 9:16 pm
14	AP9L6.D	ABNRVT.M	IL5,32,,AP9L5 Lot# 1079	WG1939040	6/24/2024 9:40 pm
15	AP9L5.D	ABNRVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1939040	6/24/2024 10:04 pm
16	AP9L4.D	ABNRVT.M	IL7,32,,AP9L1 Lot# 1079	WG1939040	6/24/2024 10:28 pm
17	AP9L3.D	ABNRVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1939040	6/24/2024 10:52 pm
18	AP9L2.D	ABNRVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1939040	6/24/2024 11:15 pm
19	AP9L1.D	ABNRVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1939040	6/24/2024 11:39 pm
20	ABNICV.D	ABNRVT.M	CQICV1,32,,ABNICV Lot#	WG1939040,,ical	6/25/2024 12:03 am
21	AP9ICV.D	ABNRVT.M	CQICV2,32,,AP9ICV Lot#	WG1939040	6/25/2024 12:27 am
22	Tune2.D	ABNRVT.M	Tune2 Lot# 10853	WG1939040	6/25/2024 12:51 am
23	ADPL9.D	ABNRVT.M	IL2,32,,ADPL50 Lot# 107	WG1939040	6/25/2024 1:14 am
24	ADPL8.D	ABNRVT.M	IL3,32,,ADPL25 Lot# 107	WG1939040	6/25/2024 1:38 am
25	ADPL7.D	ABNRVT.M	IL4,32,,ADPL10 Lot# 107	WG1939040	6/25/2024 2:02 am
26	ADPL6.D	ABNRVT.M	IL5,32,,ADPL5 Lot# 1079	WG1939040	6/25/2024 2:26 am
27	ADPL5.D	ABNRVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1939040	6/25/2024 2:49 am
28	ADPL4.D	ABNRVT.M	IL7,32,,ADPL1 Lot# 1080	WG1939040	6/25/2024 3:13 am
29	ADPL3.D	ABNRVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1939040	6/25/2024 3:37 am
30	ADPL2.D	ABNRVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1939040	6/25/2024 4:01 am
31	ADPL1.D	ABNRVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1939040	6/25/2024 4:24 am
32	ADPICV.D	ABNRVT.M	CQICV3,32,,ADPICV Lot#	WG1939040	6/25/2024 4:48 am
33	Blank1.D	ABNRVT.M	LVI Instrument Blank	wg,,ical	6/25/2024 5:12 am

Printed: 06/25/24 Page: 1

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV112\240625RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	8270RVT.M	Tune Lot#10853	WG1939943	6/25/2024 7:55 pm
2	ABNL9.D	8270RVT.M	IL2,32,,ABNL50 Lot# 107	WG1939943	6/25/2024 8:18 pm
3	ABNL8.D	8270RVT.M	IL3,32,,ABNL25 Lot# 107	WG1939943	6/25/2024 8:41 pm
4	ABNL7.D	8270RVT.M	IL4,32,,ABNL10 Lot# 107	WG1939943	6/25/2024 9:04 pm
5	ABNL6.D	8270RVT.M	IL5,32,,ABNL5 Lot# 1078	WG1939943	6/25/2024 9:27 pm
6	ABNL5.D	8270RVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1939943	6/25/2024 9:50 pm
7	ABNL4.D	8270RVT.M	IL7,32,,ABNL1 Lot# 1078	WG1939943	6/25/2024 10:14 pm
8	ABNL3.D	8270RVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1939943	6/25/2024 10:37 pm
9	ABNL2.D	8270RVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1939943	6/25/2024 11:00 pm
10	ABNL1.D	8270RVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1939943	6/25/2024 11:23 pm
11	AP9L9.D	8270RVT.M	IL2,32,,AP9L50 Lot# 107	WG1939943	6/25/2024 11:47 pm
12	AP9L8.D	8270RVT.M	IL3,32,,AP9L25 Lot# 107	WG1939943	6/26/2024 12:10 am
13	AP9L6.D	8270RVT.M	IL5,32,,AP9L5 Lot# 1079	WG1939943	6/26/2024 12:56 am
14	AP9L7.D	8270RVT.M	IL4,32,,AP9L10 Lot# 107	WG1939943	6/26/2024 12:33 am
15	AP9L5.D	8270RVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1939943	6/26/2024 1:19 am
16	AP9L4.D	8270RVT.M	IL7,32,,AP9L1 Lot# 1079	WG1939943	6/26/2024 1:43 am
17	AP9L3.D	8270RVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1939943	6/26/2024 2:06 am
18	AP9L2.D	8270RVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1939943	6/26/2024 2:29 am
19	AP9L1.D	8270RVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1939943	6/26/2024 2:52 am
20	ABNICV.D	8270RVT.M	CQICV1,32,,ABNICV Lot#	WG1939943	6/26/2024 3:16 am
21	AP9ICV.D	8270RVT.M	CQICV2,32,,AP9ICV Lot#	WG1939943	6/26/2024 3:39 am
22	Tune2.D	8270RVT.M	Tune Lot#10853	WG1939943	6/26/2024 4:02 am
23	ADPL9.D	8270RVT.M	IL2,32,,ADPL50 Lot# 107	WG1939943	6/26/2024 4:25 am
24	ADPL8.D	8270RVT.M	IL3,32,,ADPL25 Lot# 107	WG1939943	6/26/2024 4:48 am
25	ADPL7.D	8270RVT.M	IL4,32,,ADPL10 Lot# 107	WG1939943	6/26/2024 5:11 am
26	ADPL6.D	8270RVT.M	IL5,32,,ADPL5 Lot# 1079	WG1939943	6/26/2024 5:35 am
27	ADPL5.D	8270RVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1939943	6/26/2024 5:58 am
28	ADPL4.D	8270RVT.M	IL7,32,,ADPL1 Lot# 1080	WG1939943	6/26/2024 6:21 am
29	ADPL3.D	8270RVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1939943	6/26/2024 6:44 am
30	ADPL2.D	8270RVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1939943	6/26/2024 7:08 am
31	ADPL1.D	8270RVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1939943	6/26/2024 7:31 am
32	ADPICV.D	8270RVT.M	CQICV3,32,,ADPICV Lot#	WG1939943	6/26/2024 7:54 am
33	Blank.D	8270RVT.M	Instrument Blank	WG1939943	6/26/2024 8:18 am

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV107\240730ical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	8270RVT.M	Tune lot #10903	WG1954578,,	7/30/2024 7:00 pm
2	ABNL9.D	8270RVT.M	IL2,32,,ABNL50 Lot# 107	WG1954578,,	7/30/2024 7:25 pm
3	ABNL8.D	8270RVT.M	IL3,32,,ABNL25 Lot# 107	WG1954578,,	7/30/2024 7:51 pm
4	ABNL7.D	8270RVT.M	IL4,32,,ABNL10 Lot# 107	WG1954578,,	7/30/2024 8:16 pm
5	ABNL6.D	8270RVT.M	IL5,32,,ABNL5 Lot# 1078	WG1954578,,	7/30/2024 8:42 pm
6	ABNL5.D	8270RVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1954578,,	7/30/2024 9:08 pm
7	ABNL4.D	8270RVT.M	IL7,32,,ABNL1 Lot# 1078	WG1954578,,	7/30/2024 9:33 pm
8	ABNL3.D	8270RVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1954578,,	7/30/2024 9:59 pm
9	ABNL2.D	8270RVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1954578,,	7/30/2024 10:24 pm
10	ABNL1.D	8270RVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1954578,,	7/30/2024 10:50 pm
11	AP9L9.D	8270RVT.M	IL2,32,,AP9L50 Lot# 107	WG1954578,,	7/30/2024 11:15 pm
12	AP9L8.D	8270RVT.M	IL3,32,,AP9L25 Lot# 107	WG1954578,,	7/30/2024 11:40 pm
13	AP9L5.D	8270RVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1954578,,	7/31/2024 12:57 am
14	AP9L6.D	8270RVT.M	IL5,32,,AP9L5 Lot# 1079	WG1954578,,	7/31/2024 12:31 am
15	AP9L7.D	8270RVT.M	IL4,32,,AP9L10 Lot# 107	WG1954578,,	7/31/2024 12:06 am
16	AP9L4.D	8270RVT.M	IL7,32,,AP9L1 Lot# 1079	WG1954578,,	7/31/2024 1:22 am
17	AP9L3.D	8270RVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1954578,,	7/31/2024 1:47 am
18	AP9L2.D	8270RVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1954578,,	7/31/2024 2:13 am
19	AP9L1.D	8270RVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1954578,,	7/31/2024 2:38 am
20	ABNICV.D	8270RVT.M	CQICV1,32,,ABNICV Lot#	WG1954578,,	7/31/2024 3:03 am
21	AP9ICV.D	8270RVT.M	CQICV2,32,,AP9ICV Lot#	WG1954578,,	7/31/2024 3:29 am
22	Tune2.D	8270RVT.M	Tune lot #10903	WG1954578,,	7/31/2024 3:54 am
23	ADPL9.D	8270RVT.M	IL2,32,,ADPL50 Lot# 107	WG1954578,,	7/31/2024 4:19 am
24	ADPL8.D	8270RVT.M	IL3,32,,ADPL25 Lot# 107	WG1954578,,	7/31/2024 4:45 am
25	ADPL7.D	8270RVT.M	IL4,32,,ADPL10 Lot# 107	WG1954578,,	7/31/2024 5:10 am
26	ADPL6.D	8270RVT.M	IL5,32,,ADPL5 Lot# 1079	WG1954578,,	7/31/2024 5:35 am
27	ADPL5.D	8270RVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1954578,,	7/31/2024 6:01 am
28	ADPL4.D	8270RVT.M	IL7,32,,ADPL1 Lot# 1080	WG1954578,,	7/31/2024 6:26 am
29	ADPL3.D	8270RVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1954578,,	7/31/2024 6:52 am
30	ADPL2.D	8270RVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1954578,,	7/31/2024 7:17 am
31	ADPL1.D	8270RVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1954578,,	7/31/2024 7:43 am
32	ADPICV.D	8270RVT.M	CQICV3,32,,ADPICV Lot#	WG1954578,,	7/31/2024 8:08 am
33	InstBlnk.D	8270RVT.M	Instrument Blank	WG1954578,,	7/31/2024 8:34 am

Printed: 08/08/24 Page: 1

Dep.: GCMS
Inst: SV106
Date: **09/09/24**
Run: Night Run

Method
GC: ABNRVT

Seq: **WG1968644**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
141	DEG0909n	wg-1,32,,Degdftpp Lot # 10992				ljg 9/10
142	ABN0909n	wg-3,32,,ABN RVT CCV Lot # 10	**Passes Full List**			ljg 9/10
143	AP90909n	wg-4,32,,AP9 RVT CCV Lot # 10909				ljg 9/10
144	ADP0909n	wg-5,32,,ADP RVT CCV Lot # 10751				ljg 9/10
1	969331-1	WG1969331-1,32,,ASK				ljg 9/10
2	969331-2	WG1969331-2,32,,ASK				ljg 9/10
3	969331-3	WG1969331-3,32,,ASK				ljg 9/10
4	969339-1	WG1969339-1,32,,ASK				ljg 9/10
5	969339-2	WG1969339-2,32,,ASK				ljg 9/10
6	969339-3	WG1969339-3,32,,ASK				ljg 9/10
7	968879-1	WG1968879-1,32,,ASK				smz 9/10
8	968879-2	WG1968879-2,32,,ASK				smz 9/10
9	968879-3	WG1968879-3,32,,ASK				smz 9/10
10	969075-1	WG1969075/7-1,32,,ASK				smz 9/10
11	969075-2	WG1969075/7-2,32,,ASK				smz 9/10
12	969075-3	WG1969075/7-3,32,,ASK				smz 9/10
13	51011-01	L2451011-01,32,,R3A,ASK				ljg 9/10
14	51011-07	L2451011-07,32,,R3A,ASK				ljg 9/10
15	51056-05	L2451056-05,32,,R3B,ASK			sv-ljg	ljg 9/10
16	50360-06	L2450360-06,32,,ASK	RV, low IS			
17	50360-07	L2450360-07,32,,ASK				smz 9/10
18	50146-01	L2450146-01,32,,ASK				smz 9/10
19	50400-08	L2450400-08,32,,ASK				smz 9/10
20	50217-01	L2450217-01,32,,ASK				smz 9/10
21	50217-02	L2450217-02,32,,ASK				smz 9/10
22	50217-03	L2450217-03,32,,ASK				smz 9/10
23	968879-4	WG1968879-4,32,,ASK				smz 9/10
24	968879-5	WG1968879-5,32,,ASK				smz 9/10
25	50217-04	L2450217-04,32,,ASK	RX combo			smz 9/10
26	50217-05	L2450217-05,32,,ASK				smz 9/10
27	50373-03	L2450373-03,32,,ASK			**ASK**	smz 9/10
					sv-gmr	

Dep.: GCMS
Inst: SV107
Date: **09/09/24**
Run: Night Run

Method
GC: 8270RVT

Seq: **WG1968646**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
141	DEG0909	wg-1,32,,Degdftpp Lot # 10992				
141	DEG0909a	wg-1,32,,Degdftpp Lot # 10992	**RRun Due To 442 Failing High**			9/10jg
142	ABN0909	wg-3,32,,ABN RVT CCV Lot # 10	**Passes Full List**			9/10jg
143	AP90909	wg-4,32,,AP9 RVT CCV Lot #10909				9/10jg
144	ADP0909	wg-5,32,,ADP RVT CCV Lot #10751				9/10jg
1	968985-1	WG1968985-1,32,,ASK				ljg 9/12
2	968985-2	WG1968985-2,32,,ASK				ljg 9/12
3	968985-3	WG1968985-3,32,,ASK				ljg 9/12
4	50786-01	L2450786-01,32,,ASK				9/10jg
5	50786-02	L2450786-02,32,,ASK				9/10jg
6	50786-03	L2450786-03,32,,ASK				9/10jg
7	50786-04	L2450786-04,32,,ASK				9/10jg
8	50786-05	L2450786-05,32,,ASK				9/10jg
9	50786-06	L2450786-06,32,,ASK				9/10jg
10	50786-07	L2450786-07,32,,ASK				9/10jg
11	50786-08	L2450786-08,32,,ASK				9/10jg
12	50786-09	L2450786-09,32,,ASK				9/10jg
13	50786-10	L2450786-10,32,,ASK				9/10jg
14	50786-12	L2450786-12,32,,ASK				9/10jg
15	50741-01	L2450741-01,32,,ASK	rx, low surr			ljg 9/12
16	50585-01	L2450585-01,32,,ASK				9/10jg
17	50585-02	L2450585-02,32,,ASK				9/10jg
18	50585-03	L2450585-03,32,,ASK				9/10jg
19	50585-04	L2450585-04,32,,ASK				9/10jg
20	50585-05	L2450585-05,32,,ASK	rx, surr out	jg		
21	50585-06	L2450585-06,32,,ASK	rx, surr out	jg		
22	50829-01	L2450829-01,32,,ASK				9/10jg
23	50829-02	L2450829-02,32,,ASK				9/10jg
24	50829-04	L2450829-04,32,,ASK				9/10jg
25	50829-06	L2450829-06,32,,ASK			**ASK**	9/10jg
					sv jg	

WG1963430

Dep.: GCMS
Inst: SV112
Date: **09/09/24**
Run:

Method
GC: 8270RVT

Seq: **WG1969270**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
141	DEG0909	wg-1,32,,SV112 Degdftpp Lot # 10992				ljg 9/10
142	ABN0909	wg-3,32,,ABN 10908 HNY0826C	**Passes full list, TCLP**			ljg 9/10
143	AP90909	wg-4,32,,AP9 10909 HNY0826A				ljg 9/10
144	ADP0909	wg-5,32,,ADP 10751 HNY0826A				ljg 9/10
1	968816-1	WG1968816-1,32,,HNY				smz 9/10
2	968816-2	WG1968816-2,32,,HNY				smz 9/10
3	968816-3	WG1968816-3,32,,HNY				smz 9/10
4	968975-1	WG1968975-1,32,,HNY				smz 9/10
5	968975-2	WG1968975-2,32,,HNY				smz 9/10
6	968975-3	WG1968975-3,32,,HNY			hny	smz 9/10
7	68058-2	WG1968058-2,32,,rv			sv-smz	ljg 9/10
8	68058-3	WG1968058-3,32,,rv				ljg 9/10
9	50388-08	L2450388-08,32,,R1C,HNY				smz 9/10
10	51137-05	L2451137-05,32,,R1C,HNY	RV, phenol hit			smz 9/10
11	50251-01	L2450251-01,32,,HNY				smz 9/10
12	50312-01	L2450312-01,32,,HNY				smz 9/10
13	50312-02	L2450312-02,32,,HNY				smz 9/10
14	50312-03	L2450312-03,32,,HNY				smz 9/10
15	50425-01	L2450425-01,32,,HNY				smz 9/10
16	50417-01	L2450417-01,32,,HNY				smz 9/10
17	50417-02	L2450417-02,32,,HNY				smz 9/10
18	50417-03	L2450417-03,32,,HNY				smz 9/10
19	50417-04	L2450417-04,32,,HNY				smz 9/10
20	50417-06	L2450417-06,32,,HNY				smz 9/10
21	968975-4	WG1968975-4,32,,HNY				smz 9/10
22	968975-5	WG1968975-5,32,,HNY				smz 9/10
23	50417-07	L2450417-07,32,,HNY				smz 9/10
24	50417-08	L2450417-08,32,,HNY				smz 9/10
25	50417-09	L2450417-09,32,,HNY				smz 9/10
26	50423-10	L2450423-10,32,,HNY				smz 9/10
27	50360-04	L2450360-04,32,,HNY				smz 9/10
28	50360-05	L2450360-05,32,,HNY			**smz**	smz 9/10
					sv-gmr	

ORGANIC ELN REPORT

Workgroup: WG1968975

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: ABN **Lot #:** 10986-AM[02/19/25]
Spike Type: ABN **Lot #:** 10737-AD[10/31/24]; 10949-AC
Spike Verify by: ARP/DLP
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH082824

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450417-01 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-02 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-03 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-04 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-06 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-07 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-08 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K

Reported: 18-OCT-24 02:02 PM

ORGANIC ELN REPORT

Workgroup: WG1968975

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450417-09 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450423-10 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-07 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-08 WATER	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-09 WATER	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450741-01	09/09/24 08:00	Dayle Parsons	100	<2, >12	.1		09/09/24 10:14	Grace Tran	1	K
	SURROGATE 02/19/2025, 10986-AD									
L2450786-08 SAMP	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-09 SAMP	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-10 SAMP	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-12 SAMP	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K

ORGANIC ELN REPORT

Workgroup: WG1968975

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2451147-01 WATER	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2451147-02 WATER	09/09/24 01:31	Amanda Patterson	100	<2, >12	.1		09/09/24 10:15 **OBC**	Grace Tran	1	K
WG1968975-1 BLANK	09/09/24 00:41 **WG1968976**	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968975-2 LCS	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968975-3 LCSD	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968975-4 MS	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968975-5 MSD	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K

ORGANIC ELN REPORT

Workgroup: WG1968879

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: DLP
Lims Spikelot: 8270-RVT

Lot #: ej049
Lot #: 02/19/2025, 10986-AD
Lot #: 10948aa,02032025,410949al,0

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH082824

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ej049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450217-01 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-02 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-03 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-04	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450217-05 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450373-03 SAMP	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450400-08 SAMP	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K

Reported: 18-OCT-24 02:02 PM

ORGANIC ELN REPORT

Workgroup: WG1968879

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450585-01 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-02 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-03 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-04 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-05	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-06	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450786-01 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-02 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-03 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-04 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K

Reported: 18-OCT-24 02:02 PM

ORGANIC ELN REPORT

Workgroup: WG1968879

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450786-05 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-06 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-07 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 16:01	Victor Kono	1	K
WG1968879-1 BLANK	09/08/24 11:33 **WG1968879, WG1968880**	Dayle Parsons	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
WG1968879-2 LCS	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968879-3 LCSD	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968879-4 MS	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968879-5 MSD	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-5A (L2450786-01)	32	35	80	74	41	72	0
MW-5B (L2450786-02)	32	36	82	75	41	72	0
MW-6A (L2450786-03)	27	34	83	78	35	76	0
MW-6B (L2450786-04)	21	28	80	74	27	70	0
MW-7A (L2450786-05)	51	39	82	76	75	72	0
MW-7B (L2450786-06)	44	41	81	75	59	71	0
MW-8A (L2450786-07)	51	42	80	75	74	73	0
MW-8B (L2450786-08)	46	34	87	74	58	82	0
MW-10A (L2450786-09)	21	20	86	74	30	93	0
MW-10B (L2450786-10)	28	24	75	64	36	73	0
DUP (L2450786-12)	22	20	74	64	31	73	0
WG1968880-1BLANK	27	21	67	64	41	68	0
WG1968880-2LCS	52	41	71	66	77	66	0
WG1968880-3LCSD	57	45	78	73	83	69	0
WG1968976-1BLANK	52	38	85	73	61	85	0
WG1968976-2LCS	55	43	84	71	72	82	0
WG1968976-3LCSD	65	51	99	83	87	96	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968880-2 **Analysis Date** : 09/10/24 09:37	**File ID**	: 968880-2
LCSD Sample ID	: WG1968880-3 **Analysis Date** : 09/10/24 09:53	**File ID**	: 968880-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	15	76	20	16	82	8	40-140	40
2-Chloronaphthalene	20	13	67	20	15	74	10	40-140	40
Fluoranthene	20	15	77	20	16	80	4	40-140	40
Hexachlorobutadiene	20	10	51	20	13	63	21	40-140	40
Naphthalene	20	13	65	20	15	73	12	40-140	40
Benzo(a)anthracene	20	17	86	20	18	91	6	40-140	40
Benzo(a)pyrene	20	15	77	20	16	80	4	40-140	40
Benzo(b)fluoranthene	20	16	78	20	16	81	4	40-140	40
Benzo(k)fluoranthene	20	16	78	20	16	83	6	40-140	40
Chrysene	20	16	80	20	17	84	5	40-140	40
Acenaphthylene	20	13	66	20	14	71	7	40-140	40
Anthracene	20	16	82	20	17	87	6	40-140	40
Benzo(ghi)perylene	20	16	80	20	16	82	2	40-140	40
Fluorene	20	15	75	20	16	80	6	40-140	40
Phenanthrene	20	16	81	20	17	86	6	40-140	40
Dibenzo(a,h)anthracene	20	16	81	20	17	84	4	40-140	40
Indeno(1,2,3-cd)pyrene	20	17	85	20	18	88	3	40-140	40
Pyrene	20	15	76	20	16	79	4	40-140	40
2-Methylnaphthalene	20	13	65	20	15	73	12	40-140	40
Pentachlorophenol	20	17	86	20	17	85	1	40-140	40
Hexachlorobenzene	20	17	84	20	18	90	7	40-140	40
Hexachloroethane	20	11	53	20	13	66	22	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968976-2	**Analysis Date** : 09/10/24 09:48	**File ID** : 968976-2
LCSD Sample ID	: WG1968976-3	**Analysis Date** : 09/10/24 10:05	**File ID** : 968976-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	14	70	20	17	84	18	40-140	40
2-Chloronaphthalene	20	14	71	20	17	83	16	40-140	40
Fluoranthene	20	16	82	20	19	96	16	40-140	40
Hexachlorobutadiene	20	14	68	20	16	80	16	40-140	40
Naphthalene	20	13	66	20	15	77	15	40-140	40
Benzo(a)anthracene	20	14	72	20	18	88	20	40-140	40
Benzo(a)pyrene	20	18	88	20	21	104	17	40-140	40
Benzo(b)fluoranthene	20	16	81	20	19	96	17	40-140	40
Benzo(k)fluoranthene	20	16	80	20	19	94	16	40-140	40
Chrysene	20	14	71	20	16	82	14	40-140	40
Acenaphthylene	20	16	80	20	19	93	15	40-140	40
Anthracene	20	16	79	20	18	92	15	40-140	40
Benzo(ghi)perylene	20	18	88	20	21	103	16	40-140	40
Fluorene	20	14	72	20	17	85	17	40-140	40
Phenanthrene	20	15	74	20	17	87	16	40-140	40
Dibenzo(a,h)anthracene	20	20	98	20	23	115	16	40-140	40
Indeno(1,2,3-cd)pyrene	20	20	98	20	24	118	19	40-140	40
Pyrene	20	16	81	20	19	95	16	40-140	40
2-Methylnaphthalene	20	14	72	20	17	84	15	40-140	40
Pentachlorophenol	20	17	86	20	20	99	14	40-140	40
Hexachlorobenzene	20	14	70	20	16	82	16	40-140	40
Hexachloroethane	20	13	65	20	16	78	18	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968880-1	**Lab File ID**	: 968880-1
Instrument ID	: SV119	**Extraction Date**	: 09/08/24
Matrix	: WATER	**Analysis Date**	: 09/10/24 09:20
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1968880-2LCS	WG1968880-2	09/10/24 09:37
WG1968880-3LCSD	WG1968880-3	09/10/24 09:53
MW-5A	L2450786-01	09/10/24 13:29
MW-5B	L2450786-02	09/10/24 13:46
MW-6A	L2450786-03	09/10/24 14:02
MW-6B	L2450786-04	09/10/24 14:18
MW-7A	L2450786-05	09/10/24 14:35
MW-7B	L2450786-06	09/10/24 14:52
MW-8A	L2450786-07	09/10/24 15:08

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968976-1	**Lab File ID**	: 968976-1
Instrument ID	: SV120	**Extraction Date**	: 09/09/24
Matrix	: WATER	**Analysis Date**	: 09/10/24 09:32
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1968976-2LCS	WG1968976-2	09/10/24 09:48
WG1968976-3LCSD	WG1968976-3	09/10/24 10:05
MW-8B	L2450786-08	09/10/24 14:09
MW-10A	L2450786-09	09/10/24 14:25
MW-10B	L2450786-10	09/10/24 14:42
DUP	L2450786-12	09/10/24 14:58

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 06/21/24 14:09
Tune Standard	: R1846022-1	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	46.7
68	Less than 2.0% of mass 69	0.6 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	55.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	26.8
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	77.1
443	15.0 - 24.0% of mass 442	14.5 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1846022-3	L10	06/21/24 14:50
L9	R1846022-11	L9	06/21/24 15:06
L8	R1846022-10	L8	06/21/24 15:23
L7	R1846022-9	L7	06/21/24 15:39
L6	R1846022-8	L6	06/21/24 15:55
L5	R1846022-7	L5	06/21/24 16:12
L4	R1846022-6	L4	06/21/24 16:28
L3	R1846022-5	L3	06/21/24 16:44
L2	R1846022-4	L2	06/21/24 17:01
L1	R1846022-2	L1	06/21/24 17:17
ICV Quant Report	R1846022-12	ICV	06/21/24 17:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 09/10/24 08:04
Tune Standard	: WG1969638-1	**Tune File ID**	: deg0910_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	64.1
68	Less than 2.0% of mass 69	0.8 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.3 (.5)1
127	10.0 - 80.0% of Base Peak	60.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	23.6
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.9
442	Base Peak, or >50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	12 (16.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1969638-4TFACTOR-B	WG1969638-4	DEG0910	09/10/24 08:04
WG1969638-5TFACTOR-P	WG1969638-5	DEG0910	09/10/24 08:04
WG1969638-3CCAL	WG1969638-3	CCV0910	09/10/24 08:23
WG1968880-1BLANK	WG1968880-1	968880-1	09/10/24 09:20
WG1968880-2LCS	WG1968880-2	968880-2	09/10/24 09:37
WG1968880-3LCSD	WG1968880-3	968880-3	09/10/24 09:53
MW-5A	L2450786-01	50786-01	09/10/24 13:29
MW-5B	L2450786-02	50786-02	09/10/24 13:46
MW-6A	L2450786-03	50786-03	09/10/24 14:02
MW-6B	L2450786-04	50786-04	09/10/24 14:18
MW-7A	L2450786-05	50786-05	09/10/24 14:35
MW-7B	L2450786-06	50786-06	09/10/24 14:52
MW-8A	L2450786-07	50786-07	09/10/24 15:08

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 07/28/24 16:34
Tune Standard	: R1860680-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52
68	Less than 2.0% of mass 69	0.8 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.3 (.8)1
127	10.0 - 80.0% of Base Peak	56.7
197	Less than 2.0% of mass 198	1
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	72.6
443	15.0 - 24.0% of mass 442	14.6 (20.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R1860680-2	IL10	07/28/24 16:50
IL9	R1860680-10	IL9	07/28/24 17:07
IL8	R1860680-9	IL8	07/28/24 17:23
IL7	R1860680-8	IL7	07/28/24 17:39
IL6	R1860680-7	IL6	07/28/24 17:55
IL5	R1860680-6	IL5	07/28/24 18:11
IL4	R1860680-5	IL4	07/28/24 18:27
IL3	R1860680-4	IL3	07/28/24 18:43
IL2	R1860680-3	IL2	07/28/24 18:59
IL1	R1860680-1	IL1	07/28/24 19:15
ICV Quant Report	R1860680-11	ICV	07/28/24 19:31

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 09/10/24 08:14
Tune Standard	: WG1969644-1	**Tune File ID**	: deg0910_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	45.1
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	52.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.3
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	18
442	Base Peak, or >50% of mass 198	95.6
443	15.0 - 24.0% of mass 442	19 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1969644-4TFACTOR-B	WG1969644-4	DEG0910	09/10/24 08:14
WG1969644-5TFACTOR-P	WG1969644-5	DEG0910	09/10/24 08:14
WG1969644-3CCAL	WG1969644-3	CCV0910A	09/10/24 08:50
WG1968976-1BLANK	WG1968976-1	968976-1	09/10/24 09:32
WG1968976-2LCS	WG1968976-2	968976-2	09/10/24 09:48
WG1968976-3LCSD	WG1968976-3	968976-3	09/10/24 10:05
MW-8B	L2450786-08	50786-08	09/10/24 14:09
MW-10A	L2450786-09	50786-09	09/10/24 14:25
MW-10B	L2450786-10	50786-10	09/10/24 14:42
DUP	L2450786-12	50786-12	09/10/24 14:58

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 09/10/24 08:23:00
Sample No	: WG1969638-3	**Lab File ID**	: CCV0910

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1969638-3	174323	2.25	643484	2.91	369390	3.89
Upper Limit	348646	2.75	1286968	3.41	738780	4.39
Lower Limit	87162	1.75	321742	2.41	184695	3.39
Sample ID						
WG1968880-1 BLANK	138875	2.23	494029	2.90	276297	3.89
WG1968880-2 LCS	148725	2.25	555203	2.91	314714	3.89
WG1968880-3 LCSD	152012	2.25	573209	2.91	327074	3.89
MW-5A	147617	2.26	541752	2.91	316288	3.89
MW-5B	144102	2.26	524501	2.91	303240	3.89
MW-6A	141339	2.26	516032	2.92	292326	3.89
MW-6B	156685	2.26	572889	2.92	332940	3.89
MW-7A	141540	2.26	526230	2.91	308442	3.89
MW-7B	147910	2.26	546238	2.92	317166	3.89
MW-8A	145540	2.26	535448	2.92	314191	3.89

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 09/10/24 08:23:00
Sample No	: WG1969638-3	**Lab File ID**	: CCV0910

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1969638-3	787554	4.73	782764	6.33	778307	7.56
Upper Limit	1575108	5.23	1565528	6.83	1556614	8.06
Lower Limit	393777	4.23	391382	5.83	389154	7.06
Sample ID						
WG1968880-1 BLANK	584117	4.74	636927	6.41	604239	7.65
WG1968880-2 LCS	671578	4.73	651639	6.32	660982	7.56
WG1968880-3 LCSD	696767	4.73	638992	6.32	626470	7.55
MW-5A	678752	4.74	709483	6.31	632077	7.54
MW-5B	648139	4.74	674381	6.31	604759	7.54
MW-6A	621169	4.73	644112	6.30	579932	7.53
MW-6B	718760	4.73	735936	6.30	644764	7.53
MW-7A	662234	4.74	667735	6.31	588057	7.53
MW-7B	677592	4.74	690284	6.31	617501	7.54
MW-8A	690127	4.73	723865	6.31	640471	7.54

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 09/10/24 08:50:00
Sample No	: WG1969644-3	**Lab File ID**	: CCV0910A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1969644-3	275803	2.11	1097676	2.77	627546	3.73
Upper Limit	551606	2.61	2195352	3.27	1255092	4.23
Lower Limit	137902	1.61	548838	2.27	313773	3.23
Sample ID						
WG1968976-1 BLANK	233352	2.11	913741	2.76	517631	3.73
WG1968976-2 LCS	249382	2.12	999811	2.77	566643	3.73
WG1968976-3 LCSD	251271	2.12	1014860	2.77	568075	3.74
MW-8B	251054	2.12	996900	2.77	573173	3.74
MW-10A	231254	2.12	916479	2.77	525570	3.74
MW-10B	228998	2.12	904048	2.77	518377	3.74
DUP	251193	2.13	990213	2.77	566000	3.74

Area Upper Limit = +100% of internal standard area

Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT

RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV120	**Analysis Date**	: 09/10/24 08:50:00
Sample No	: WG1969644-3	**Lab File ID**	: CCV0910A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1969644-3	1228056	4.56	1204331	6.10	1217989	7.15
Upper Limit	2456112	5.06	2408662	6.60	2435978	7.65
Lower Limit	614028	4.06	602166	5.60	608995	6.65
Sample ID						
WG1968976-1 BLANK	1034255	4.56	1029683	6.10	1005340	7.15
WG1968976-2 LCS	1116841	4.56	1028918	6.09	1011369	7.14
WG1968976-3 LCSD	1130039	4.56	1026470	6.08	1019083	7.13
MW-8B	1159556	4.56	1140308	6.08	1081088	7.13
MW-10A	1061619	4.56	1045092	6.08	985169	7.13
MW-10B	1054371	4.56	1034512	6.08	969919	7.13
DUP	1151095	4.56	1125966	6.07	1070261	7.12

Area Upper Limit = +100% of internal standard area

Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT

RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

EPA 8270E Low Level PAH (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.035	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.035	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.036	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.043	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.018	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.016	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.037	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.015	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.04	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.04	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.041	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.045	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.22	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.032	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.03	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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EPA 8270E Low Level PAH (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	6.68	1.4028	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	6.68	0.8684	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	6.68	0.4676	ug/kg	40-140	50	40-140	50	50			
Hexachlorobutadiene	87-68-3	6.68	0.9352	ug/kg	34-107	50	40-140	50	50			
Naphthalene	91-20-3	6.68	1.2024	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	6.68	0.6012	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	6.68	0.501	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	6.68	0.835	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	6.68	0.5344	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	6.68	0.668	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	6.68	0.4676	ug/kg	35-142	50	35-142	50	50			
1-Methylnaphthalene	90-12-0	6.68	1.0354	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	6.68	1.9038	ug/kg	40-140	50	40-140	50	50			
Pentachlorophenol	87-86-5	26.72	2.9392	ug/kg	17-109	50	17-109	50	50			
Hexachlorobenzene	118-74-1	6.68	0.7014	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	6.68	1.2358	ug/kg	29-106	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:29
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-01	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.10	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.04	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:46
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-02	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:02
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-03	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:18
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-04	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:35
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-05	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:52
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-06	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.04	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:08
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-07	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:09
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-08	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:25
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-09	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:42
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-10	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:58
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 50786-12	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968880-1	**Date Collected**	: NA
Client ID	: WG1968880-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 09:20
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 968880-1	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968976-1	**Date Collected**	: NA
Client ID	: WG1968976-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 09:32
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 968976-1	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 01:29 pm
Operator : sv119:jjw
Sample : L2450786-01,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 10 15:10:05 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	147617	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 84.68%			
8) Naphthalene-d8	2.914	136	541752	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 84.19%			
17) Acenaphthene-d10	3.890	164	316288	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 85.62%			
22) Phenanthrene-d10	4.735	188	678752	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 86.18%			
31) Chrysene-d12	6.306	240	709483	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 90.64%			
36) Perylene-d12	7.535	264	632077	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 81.21%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.681	112	33718	647.520	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.38%			
3) Phenol-d6	2.074	99	46152	702.717	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.14%			
7) Nitrobenzene-d5	2.535	82	46070	799.694	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.97%			
13) 2-Fluorobiphenyl	3.509	172	103306	737.601	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.76%			
21) 2,4,6-Tribromophenol	4.337	330	18268	827.212	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.36%			
30) 4-Terphenyl-d14	5.657	244	134619	717.443	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.87%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	2.926	128	1429M6	9.554	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	3.306	142	468	4.163	ng/ml	95
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.		
25) Pentachlorophenol	0.000		0	N.D.		

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 01:29 pm
Operator : sv119:jjw
Sample : L2450786-01,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 10 15:10:05 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

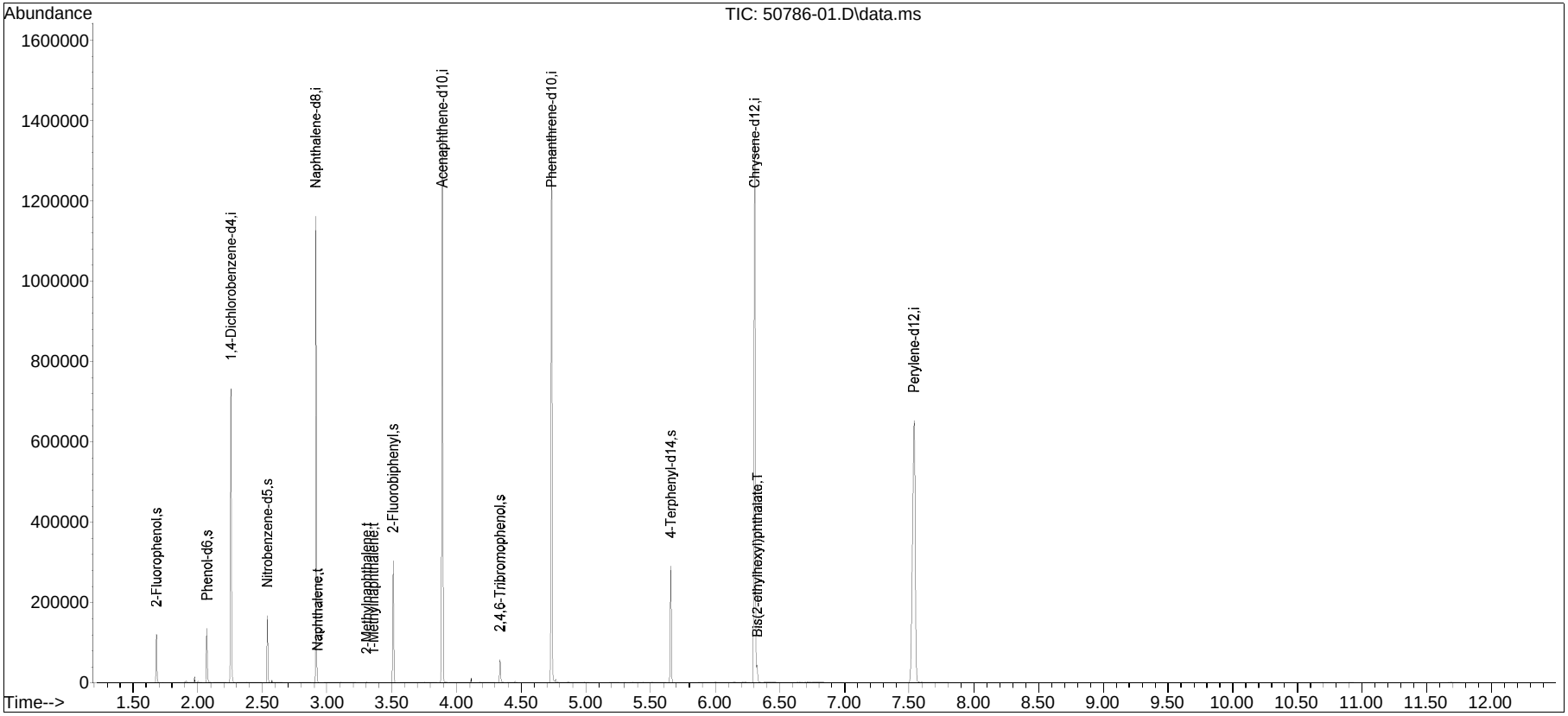
(#) = qualifier out of range (m) = manual integration (+) = signals summed

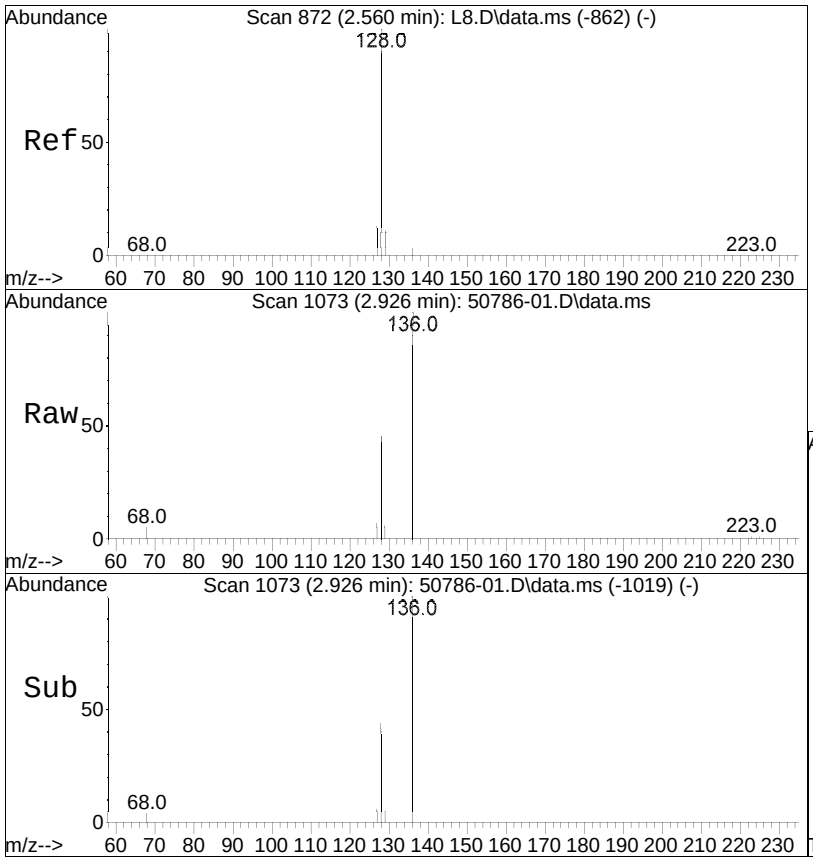
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-01.D
Acq On : 10 Sep 2024 01:29 pm
Operator : sv119:jjw
Sample : L2450786-01,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 10 15:10:05 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•

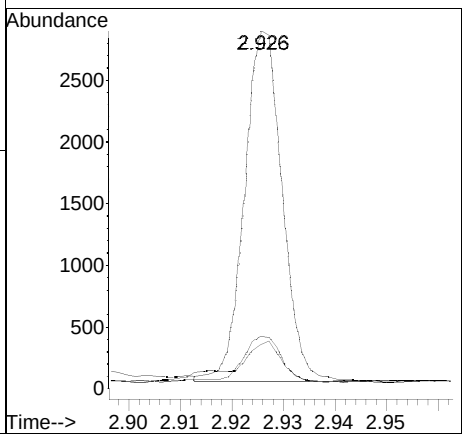


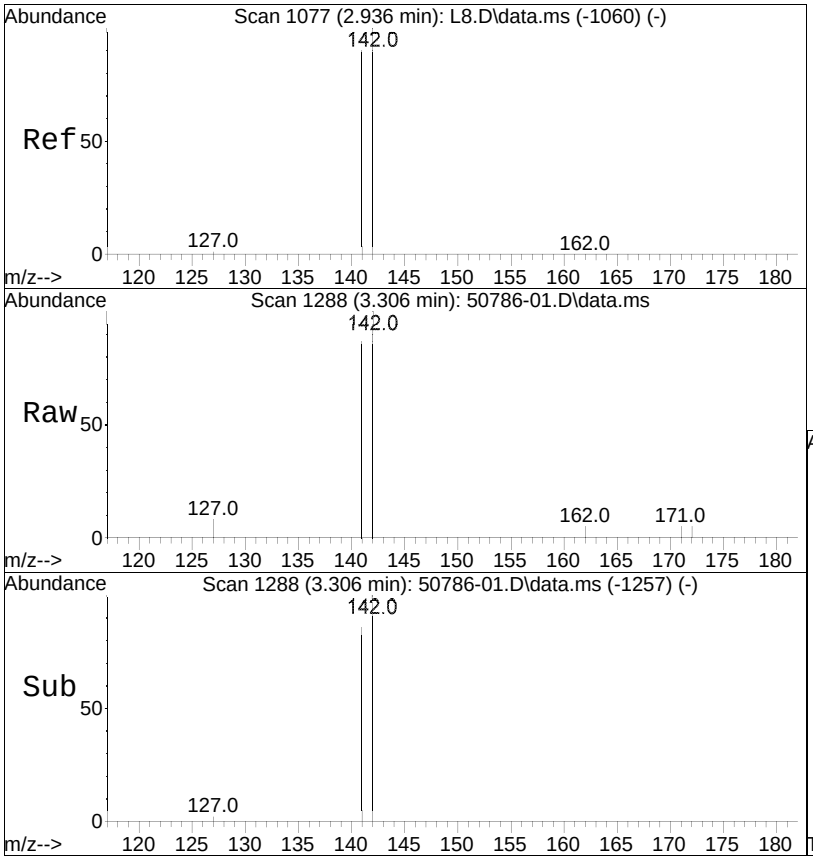


#9
Naphthalene
Concen: 9.55 ng/ml M6
RT: 2.926 min Scan# 1073
Delta R.T. 0.006 min
Lab File: 50786-01.D
Acq: 10 Sep 2024 01:29 pm

Tgt Ion:128 Resp: 1429

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	12.8	10.6	15.8

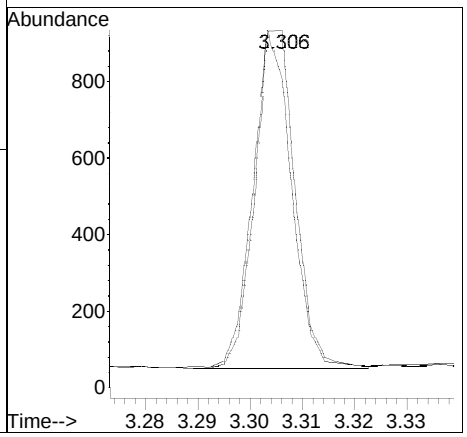




#11
2-Methylnaphthalene
Concen: 4.16 ng/ml
RT: 3.306 min Scan# 1288
Delta R.T. 0.005 min
Lab File: 50786-01.D
Acq: 10 Sep 2024 01:29 pm

Tgt Ion:142 Resp: 468

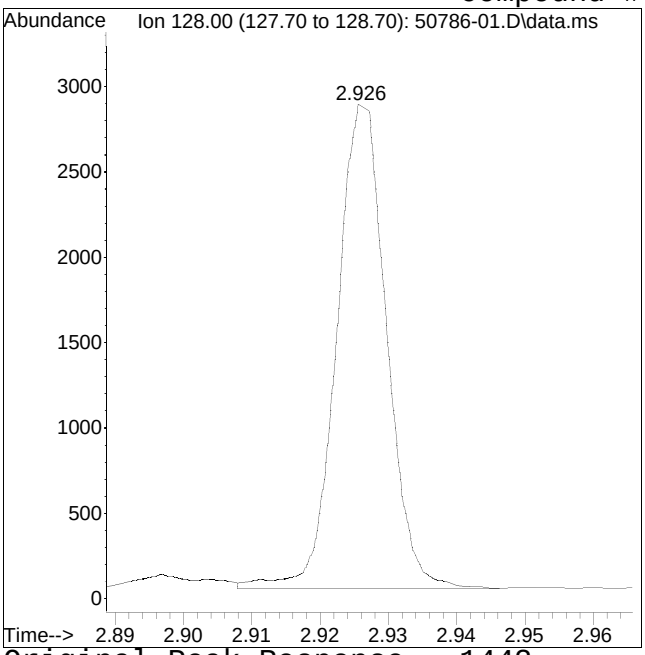
Ion	Ratio	Lower	Upper
142	100		
141	95.1	72.3	108.5



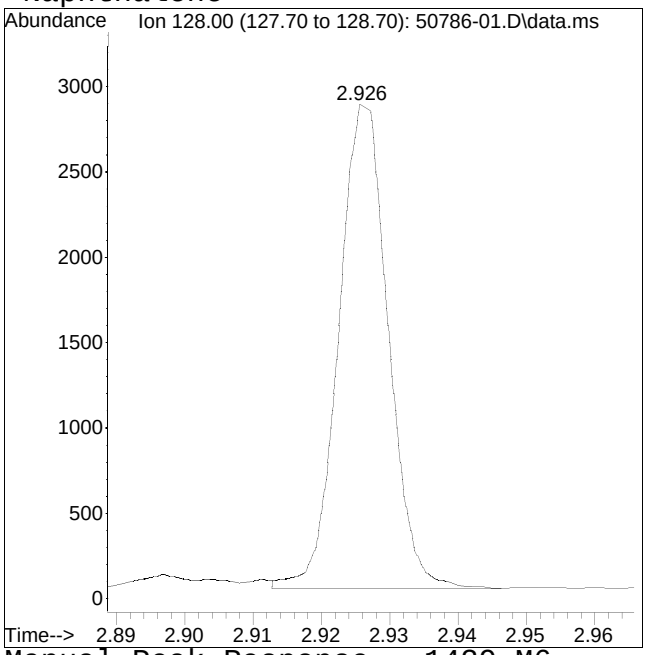
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 50786-01.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 1:29 pm Instrument : SV119
Sample : L2450786-01,32,,kmh Quant Date : 9/10/2024 1:45 pm

Compound #9: Naphthalene



Original Peak Response = 1442



Manual Peak Response = 1429 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 01:46 pm
Operator : sv119:jjw
Sample : L2450786-02,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 15:11:12 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	144102	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 82.66%			
8) Naphthalene-d8	2.914	136	524501	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 81.51%			
17) Acenaphthene-d10	3.890	164	303240	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 82.09%			
22) Phenanthrene-d10	4.735	188	648139	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 82.30%			
31) Chrysene-d12	6.306	240	674381	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 86.15%			
36) Perylene-d12	7.537	264	604759	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 77.70%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.681	112	32500	639.354	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.97%			
3) Phenol-d6	2.074	99	45598	711.217	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.56%			
7) Nitrobenzene-d5	2.535	82	46363	824.411	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.44%			
13) 2-Fluorobiphenyl	3.509	172	101881	751.352	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.14%			
21) 2,4,6-Tribromophenol	4.337	330	17353	819.590	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.98%			
30) 4-Terphenyl-d14	5.657	244	128807	718.891	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.94%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 01:46 pm
Operator : sv119:jjw
Sample : L2450786-02,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 15:11:12 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

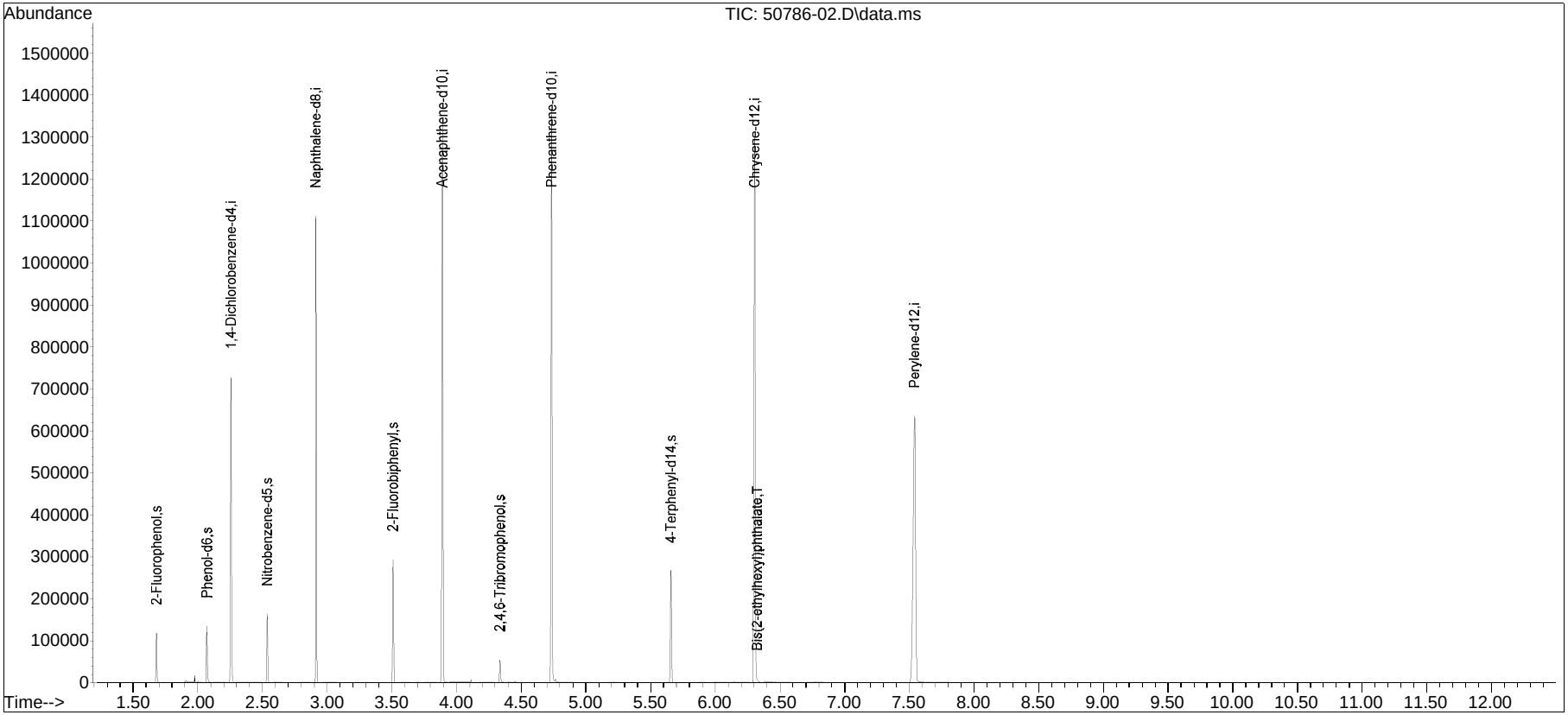
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-02.D
Acq On : 10 Sep 2024 01:46 pm
Operator : sv119:jjw
Sample : L2450786-02,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 15:11:12 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240910RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 50786-02.D	Operator	: sv119:jjw
Date Inj'd	: 9/10/2024 1:46 pm	Instrument	: SV119
Sample	: L2450786-02,32,,kmh	Quant Date	: 9/10/2024 2:01 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 02:02 pm
Operator : sv119:jjw
Sample : L2450786-03,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 10 15:12:15 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.259	152	141339	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 81.08%			
8) Naphthalene-d8	2.916	136	516032	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 80.19%			
17) Acenaphthene-d10	3.890	164	292326	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 79.14%			
22) Phenanthrene-d10	4.733	188	621169	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 78.87%			
31) Chrysene-d12	6.301	240	644112	4000.000	ng/ml	-0.03
Standard Area 1 = 782764			Recovery = 82.29%			
36) Perylene-d12	7.530	264	579932	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 74.51%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.684	112	27106	543.665	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.18%			
3) Phenol-d6	2.077	99	42377	673.899	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.69%			
7) Nitrobenzene-d5	2.537	82	45977	833.529	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.35%			
13) 2-Fluorobiphenyl	3.510	172	104051	779.949	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.99%			
21) 2,4,6-Tribromophenol	4.338	330	14261	698.701	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.94%			
30) 4-Terphenyl-d14	5.655	244	130936	762.503	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 38.13%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D.

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 02:02 pm
Operator : sv119:jjw
Sample : L2450786-03,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 10 15:12:15 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0		N.D. d	
27) Anthracene	0.000		0		N.D. d	
28) Fluoranthene	0.000		0		N.D. d	
29) Pyrene	0.000		0		N.D. d	
32) Benzo[a]anthracene	0.000		0		N.D. d	
34) Chrysene	0.000		0		N.D. d	
37) Benzo[b]fluoranthene	0.000		0		N.D. d	
38) Benzo[k]fluoranthene	0.000		0		N.D. d	
39) Benzo[a]pyrene	0.000		0		N.D. d	
40) Indeno[1,2,3-cd]pyrene	0.000		0		N.D. d	
41) Dibenzo[a,h]anthracene	0.000		0		N.D. d	
42) Benzo[g,h,i]perylene	0.000		0		N.D. d	

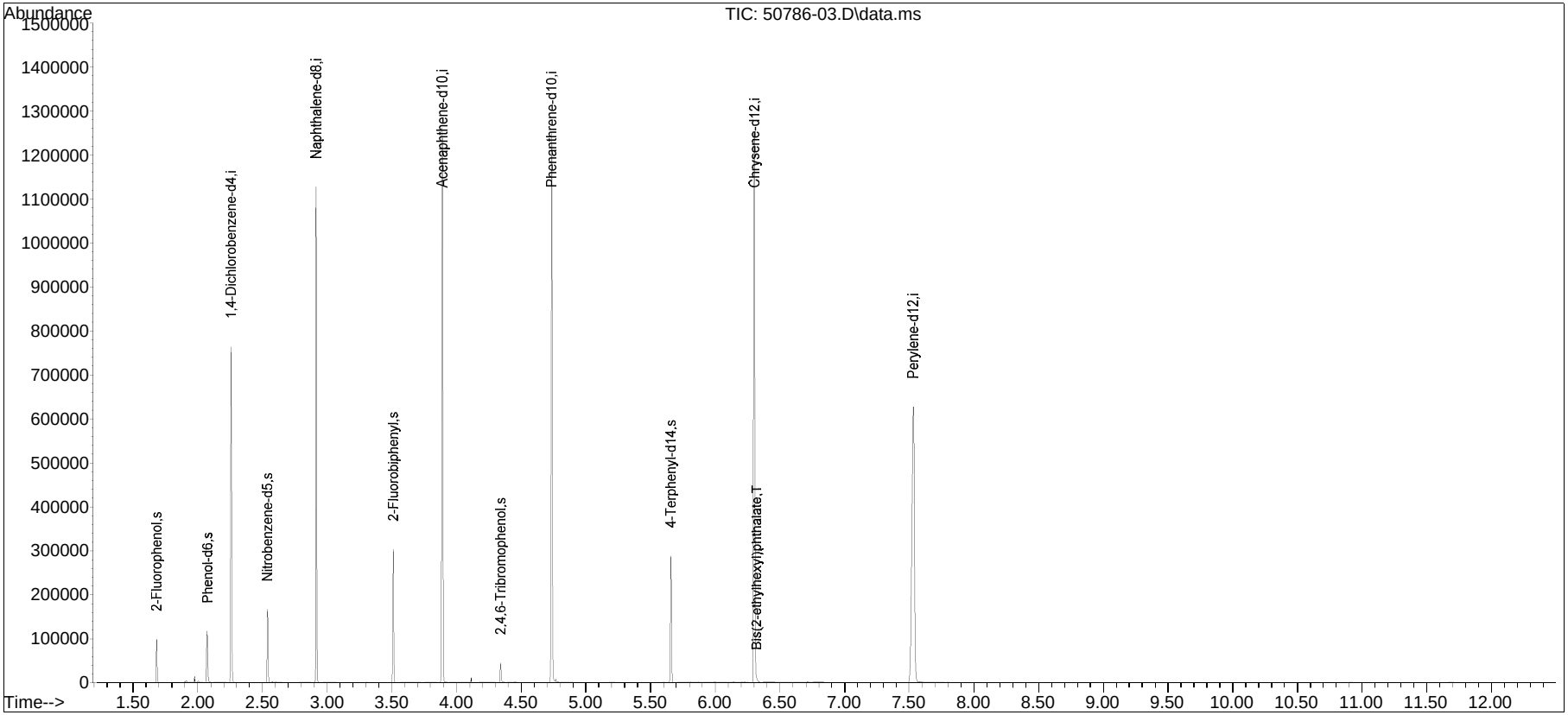
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-03.D
Acq On : 10 Sep 2024 02:02 pm
Operator : sv119:jjw
Sample : L2450786-03,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 10 15:12:15 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240910RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 50786-03.D	Operator	: sv119:jjw
Date Inj'd	: 9/10/2024 2:02 pm	Instrument	: SV119
Sample	: L2450786-03,32,,kmh	Quant Date	: 9/10/2024 2:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 02:09 pm
Operator : SV120:jjw
Sample : L2450786-08,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 10:39:45 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.122	152	251054	4000.000 ng/ml	0.01
Standard Area 1 = 275803			Recovery	= 91.03%	
8) Naphthalene-d8	2.774	136	996900	4000.000 ng/ml	0.00
Standard Area 1 = 1097676			Recovery	= 90.82%	
17) Acenaphthene-d10	3.736	164	573173	4000.000 ng/ml	0.00
Standard Area 1 = 627546			Recovery	= 91.34%	
22) Phenanthrene-d10	4.562	188	1159556	4000.000 ng/ml	0.00
Standard Area 1 = 1228056			Recovery	= 94.42%	
31) Chrysene-d12	6.075	240	1140308	4000.000 ng/ml	-0.03
Standard Area 1 = 1204331			Recovery	= 94.68%	
36) Perylene-d12	7.126	264	1081088	4000.000 ng/ml	-0.03
Standard Area 1 = 1217989			Recovery	= 88.76%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.565	112	69296	929.264 ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 46.46%	
3) Phenol-d6	1.946	99	62099	684.585 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 34.23%	
7) Nitrobenzene-d5	2.398	82	64552	874.366 ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 87.44%	
13) 2-Fluorobiphenyl	3.364	172	159220	741.152 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 74.12%	
21) 2,4,6-Tribromophenol	4.177	330	36381	1152.911 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 57.65%	
30) 4-Terphenyl-d14	5.463	244	200340	824.984 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 41.25%	
Target Compounds					Qvalue
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.784	128	1072M6	3.745 ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.	
11) 2-Methylnaphthalene	3.158	142	890	4.898 ng/ml	98
14) 2-Chloronaphthalene	0.000		0	N.D. d	
16) Acenaphthylene	0.000		0	N.D. d	
18) Acenaphthene	0.000		0	N.D. d	
20) Fluorene	0.000		0	N.D. d	
24) Hexachlorobenzene	0.000		0	N.D. d	
25) Pentachlorophenol	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 02:09 pm
Operator : SV120:jjw
Sample : L2450786-08,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 10:39:45 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

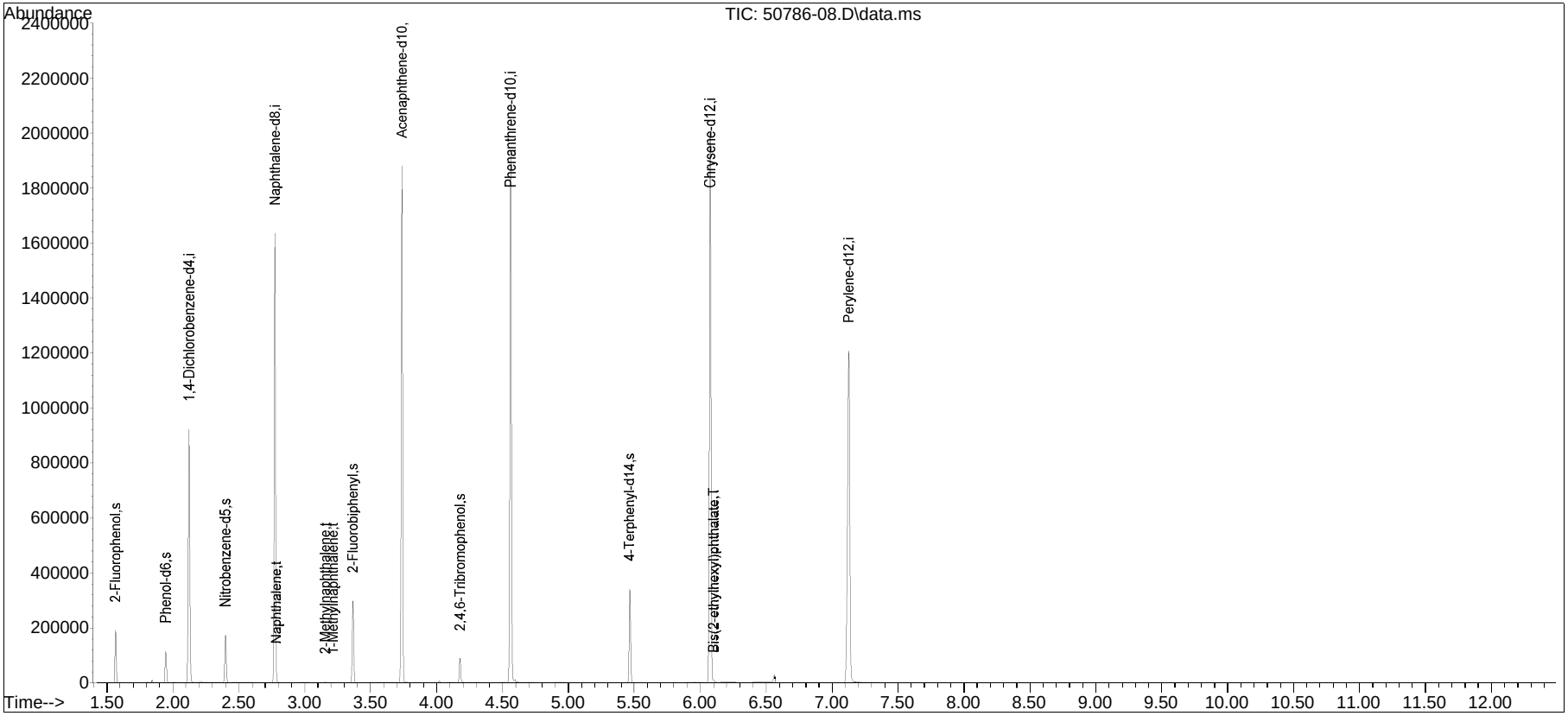
(#) = qualifier out of range (m) = manual integration (+) = signals summed

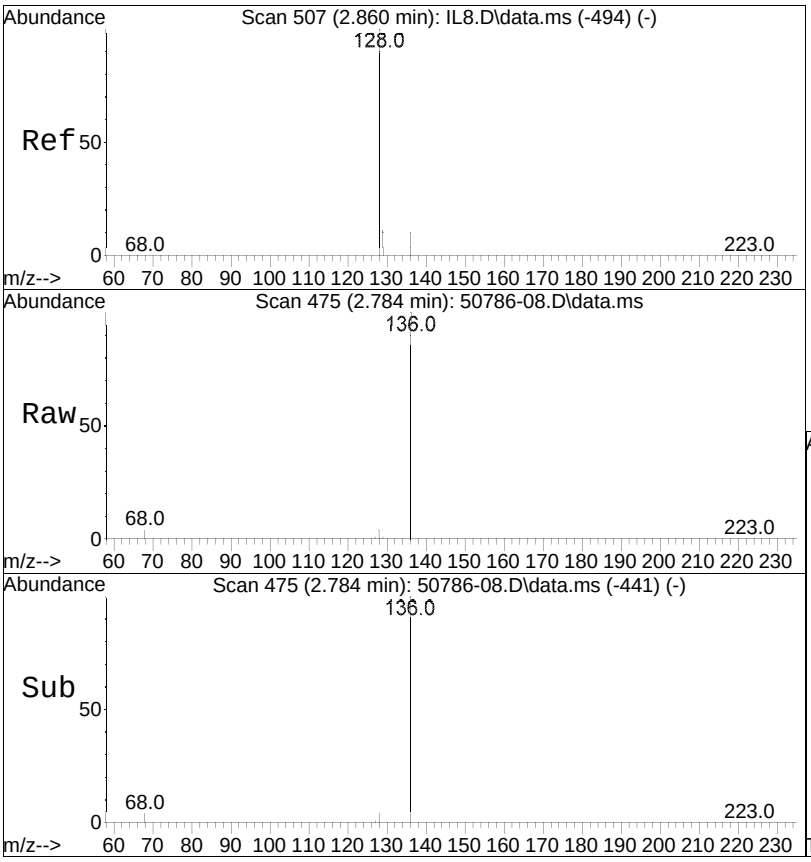
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-08.D
Acq On : 10 Sep 2024 02:09 pm
Operator : SV120:jjw
Sample : L2450786-08,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 11 10:39:45 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•

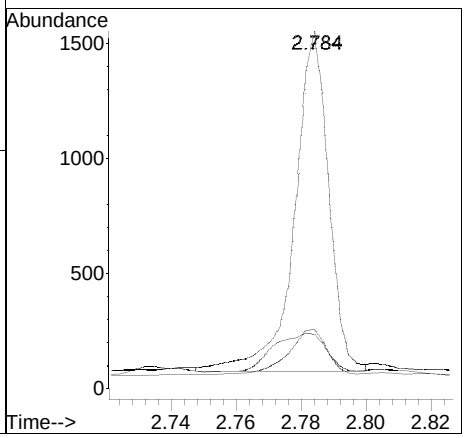


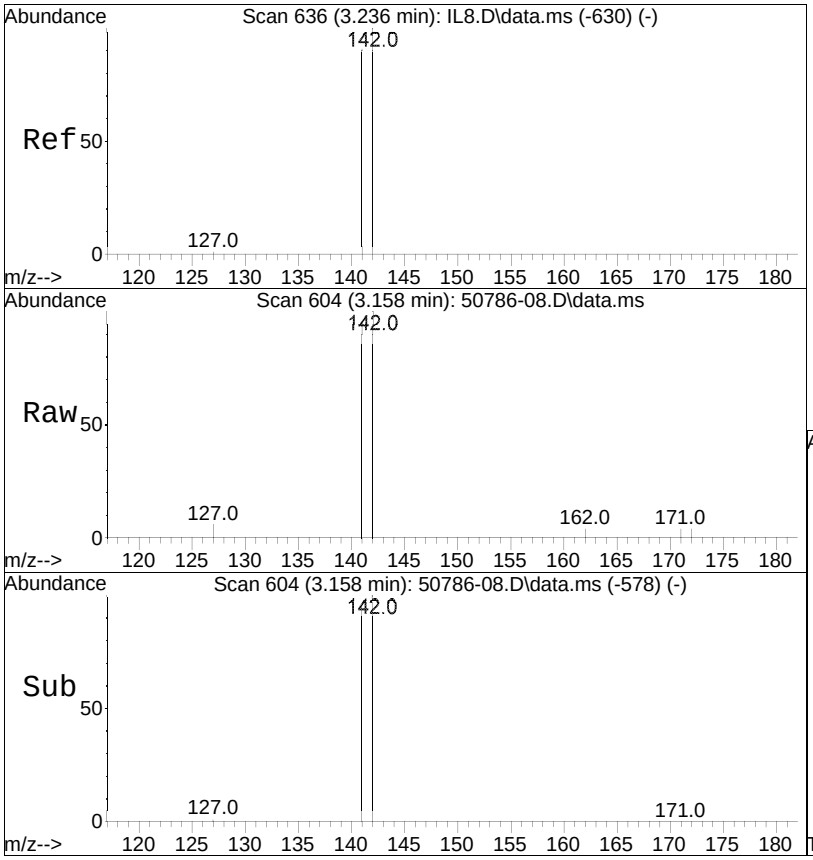


#9
Naphthalene
Concen: 3.74 ng/ml M6
RT: 2.784 min Scan# 475
Delta R.T. 0.008 min
Lab File: 50786-08.D
Acq: 10 Sep 2024 02:09 pm

Tgt Ion:128 Resp: 1072

Ion	Ratio	Lower	Upper
128	100		
129	17.2	8.9	13.3#
127	16.2	0.0	0.0#

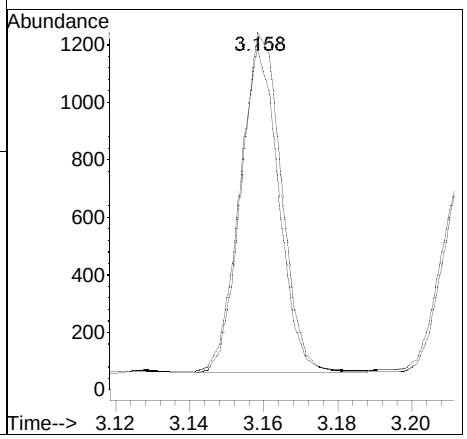




#11
2-Methylnaphthalene
Concen: 4.90 ng/ml
RT: 3.158 min Scan# 604
Delta R.T. 0.007 min
Lab File: 50786-08.D
Acq: 10 Sep 2024 02:09 pm

Tgt Ion:142 Resp: 890

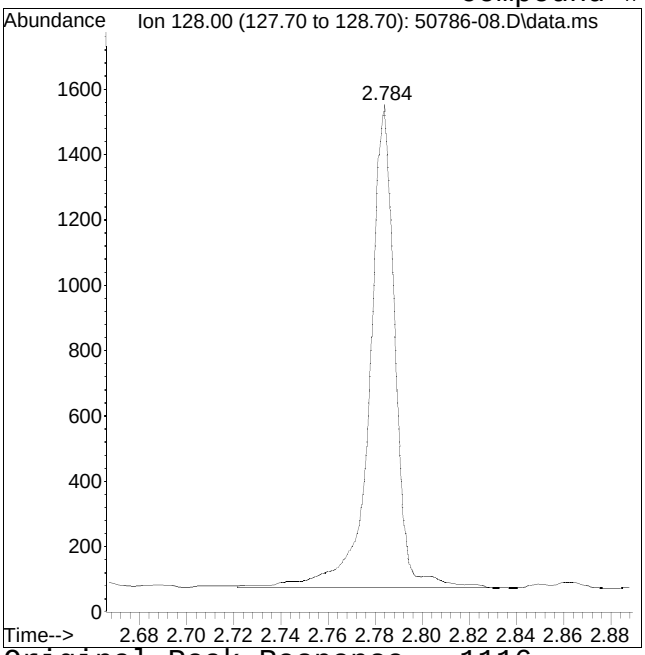
Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.0	109.4



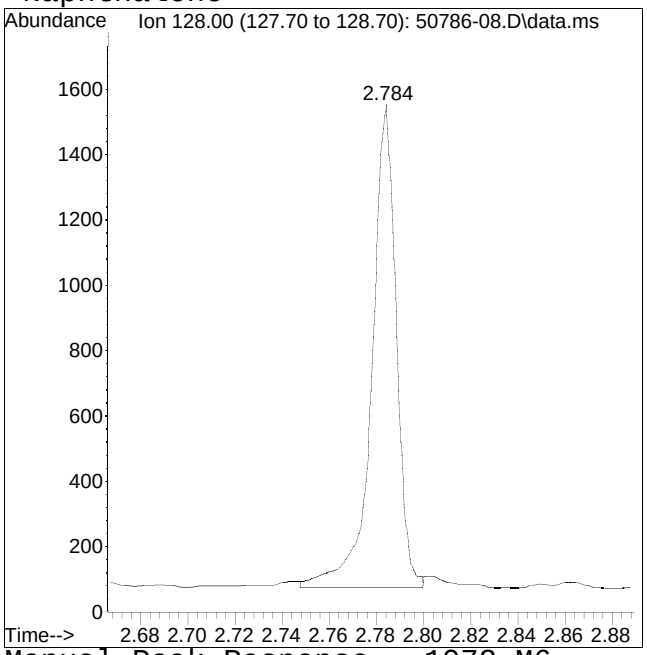
Manual Integration Report

Data Path : I:\8270SIM\sv120\240910RVTQMethod : SIM-RVT_240728_sv120.M
Data File : 50786-08.D Operator : SV120:jjw
Date Inj'd : 9/10/2024 2:09 pm Instrument : SV120
Sample : L2450786-08,32,,kmh Quant Date : 9/10/2024 2:23 pm

Compound #9: Naphthalene



Original Peak Response = 1116



Manual Peak Response = 1072 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 02:18 pm
Operator : sv119:jjw
Sample : L2450786-04,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 15:13:11 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	156685	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 89.88%			
8) Naphthalene-d8	2.916	136	572889	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 89.03%			
17) Acenaphthene-d10	3.890	164	332940	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 90.13%			
22) Phenanthrene-d10	4.734	188	718760	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 91.26%			
31) Chrysene-d12	6.304	240	735936	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 94.02%			
36) Perylene-d12	7.534	264	644764	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 82.84%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.683	112	23482	424.850	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 21.24%			
3) Phenol-d6	2.074	99	38764	556.068	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.80%			
7) Nitrobenzene-d5	2.537	82	48619	795.098	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.51%			
13) 2-Fluorobiphenyl	3.509	172	109593	739.961	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.00%			
21) 2,4,6-Tribromophenol	4.339	330	12528	538.920	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.95%			
30) 4-Terphenyl-d14	5.655	244	139516	702.154	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.11%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D.
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D.

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 02:18 pm
Operator : sv119:jjw
Sample : L2450786-04,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 15:13:11 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

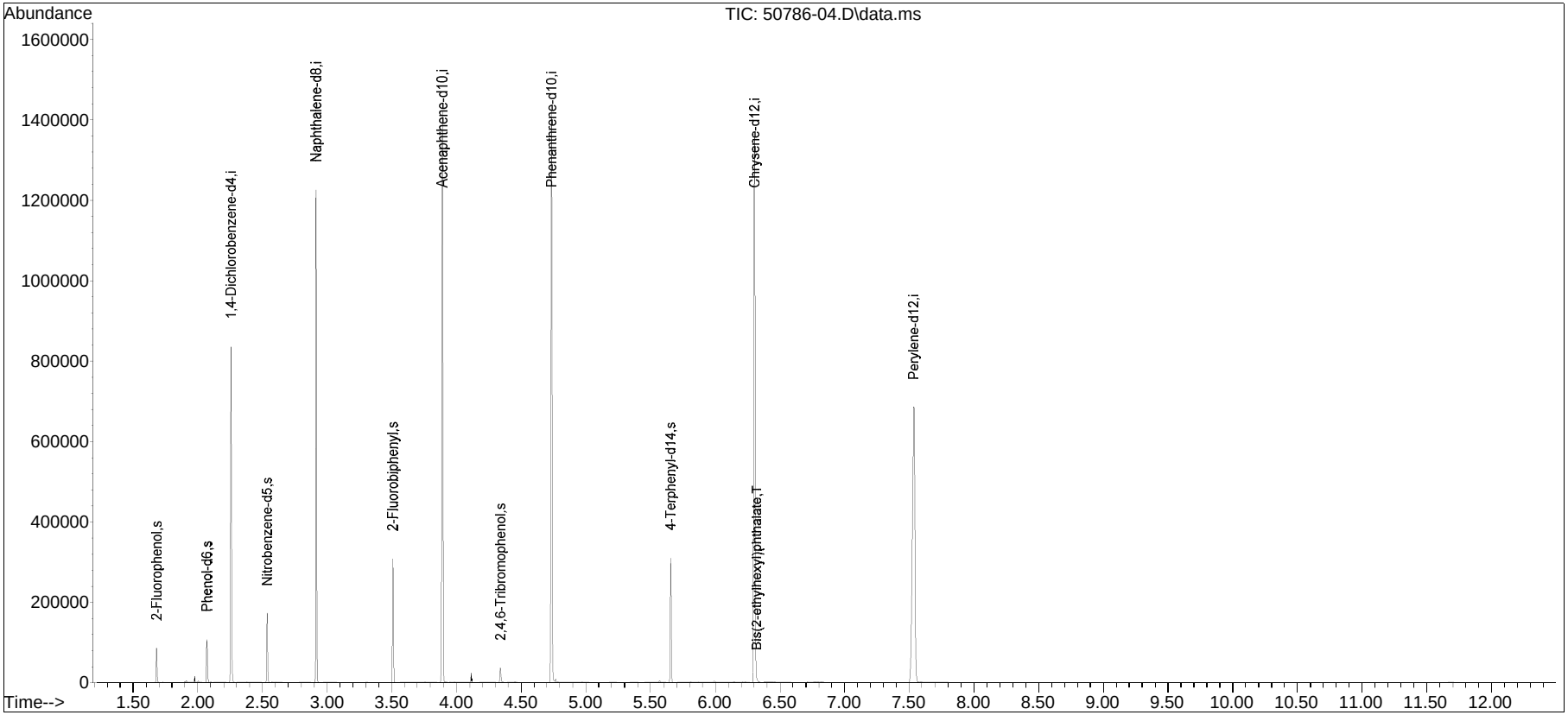
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-04.D
Acq On : 10 Sep 2024 02:18 pm
Operator : sv119:jjw
Sample : L2450786-04,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 10 15:13:11 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240910RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 50786-04.D	Operator	: sv119:jjw
Date Inj'd	: 9/10/2024 2:18 pm	Instrument	: SV119
Sample	: L2450786-04,32,,kmh	Quant Date	: 9/10/2024 2:34 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 02:25 pm
Operator : SV120:jjw
Sample : L2450786-09,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 10:40:42 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.122	152	231254	4000.000 ng/ml	0.01
Standard Area 1 = 275803			Recovery = 83.85%		
8) Naphthalene-d8	2.772	136	916479	4000.000 ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 83.49%		
17) Acenaphthene-d10	3.736	164	525570	4000.000 ng/ml	0.00
Standard Area 1 = 627546			Recovery = 83.75%		
22) Phenanthrene-d10	4.562	188	1061619	4000.000 ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 86.45%		
31) Chrysene-d12	6.076	240	1045092	4000.000 ng/ml	-0.03
Standard Area 1 = 1204331			Recovery = 86.78%		
36) Perylene-d12	7.127	264	985169	4000.000 ng/ml	-0.03
Standard Area 1 = 1217989			Recovery = 80.88%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.562	112	28208	410.659 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 20.53%		
3) Phenol-d6	1.946	99	33497	400.891 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 20.04%		
7) Nitrobenzene-d5	2.398	82	58821	864.956 ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.50%		
13) 2-Fluorobiphenyl	3.365	172	147114	744.891 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.49%		
21) 2,4,6-Tribromophenol	4.175	330	17381	600.691 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.03%		
30) 4-Terphenyl-d14	5.464	244	205780	925.559 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.28%		

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 02:25 pm
Operator : SV120:jjw
Sample : L2450786-09,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 10:40:42 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

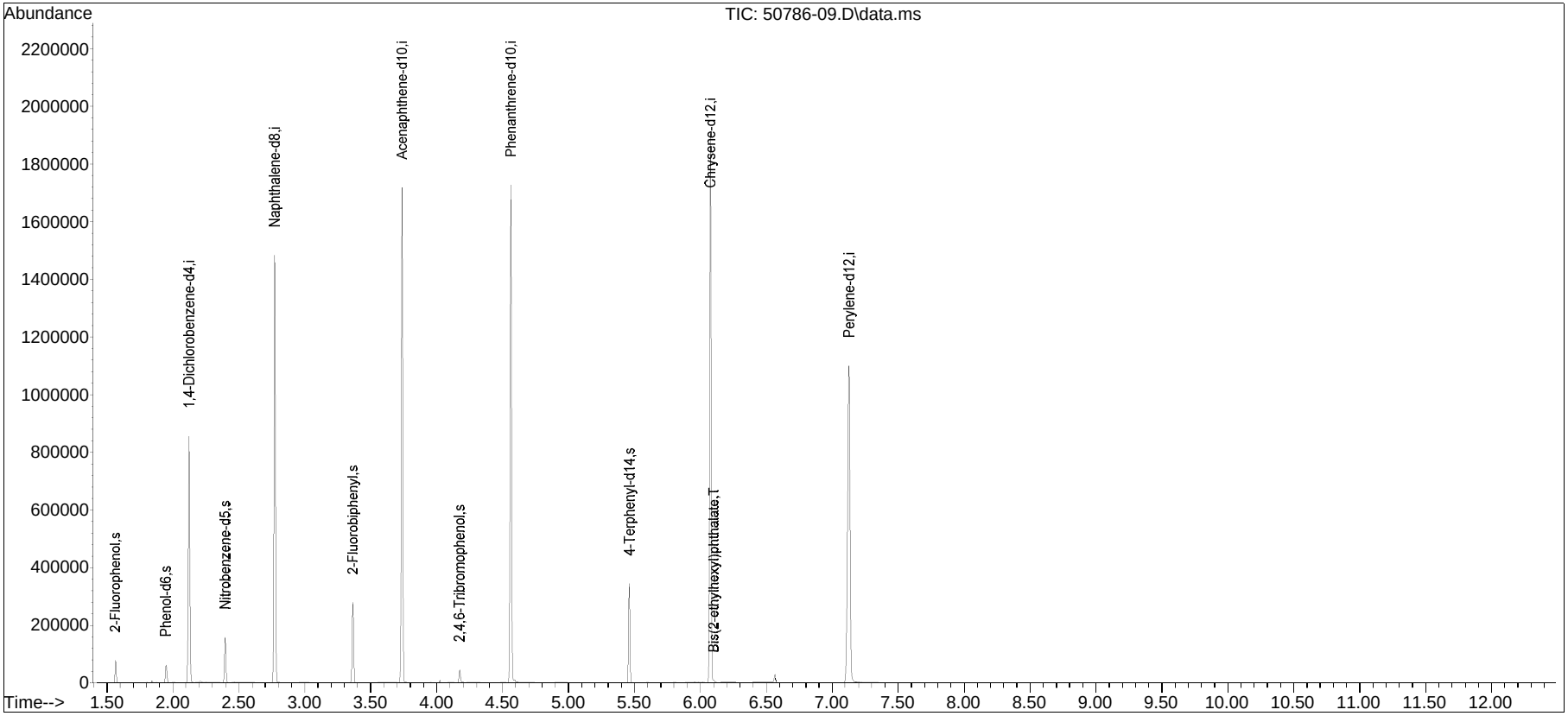
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-09.D
Acq On : 10 Sep 2024 02:25 pm
Operator : SV120:jjw
Sample : L2450786-09,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Sep 11 10:40:42 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\240910RVT	Method	: SIM-RVT_240728_sv120.M
Data File	: 50786-09.D	Operator	: SV120:jjw
Date Inj'd	: 9/10/2024 2:25 pm	Instrument	: SV120
Sample	: L2450786-09,32,,kmh	Quant Date	: 9/10/2024 2:39 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 02:35 pm
Operator : sv119:jjw
Sample : L2450786-05,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 15:14:53 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	141540	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 81.19%			
8) Naphthalene-d8	2.914	136	526230	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 81.78%			
17) Acenaphthene-d10	3.890	164	308442	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 83.50%			
22) Phenanthrene-d10	4.735	188	662234	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 84.09%			
31) Chrysene-d12	6.305	240	667735	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 85.30%			
36) Perylene-d12	7.533	264	588057	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 75.56%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.681	112	51190	1025.259	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.26%			
3) Phenol-d6	2.074	99	49482	785.769	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.29%			
7) Nitrobenzene-d5	2.535	82	45362	821.211	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.12%			
13) 2-Fluorobiphenyl	3.509	172	103376	759.872	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.99%			
21) 2,4,6-Tribromophenol	4.337	330	32153	1492.989	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 74.65%			
30) 4-Terphenyl-d14	5.656	244	132173	721.977	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.10%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D.
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 02:35 pm
Operator : sv119:jjw
Sample : L2450786-05,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 15:14:53 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

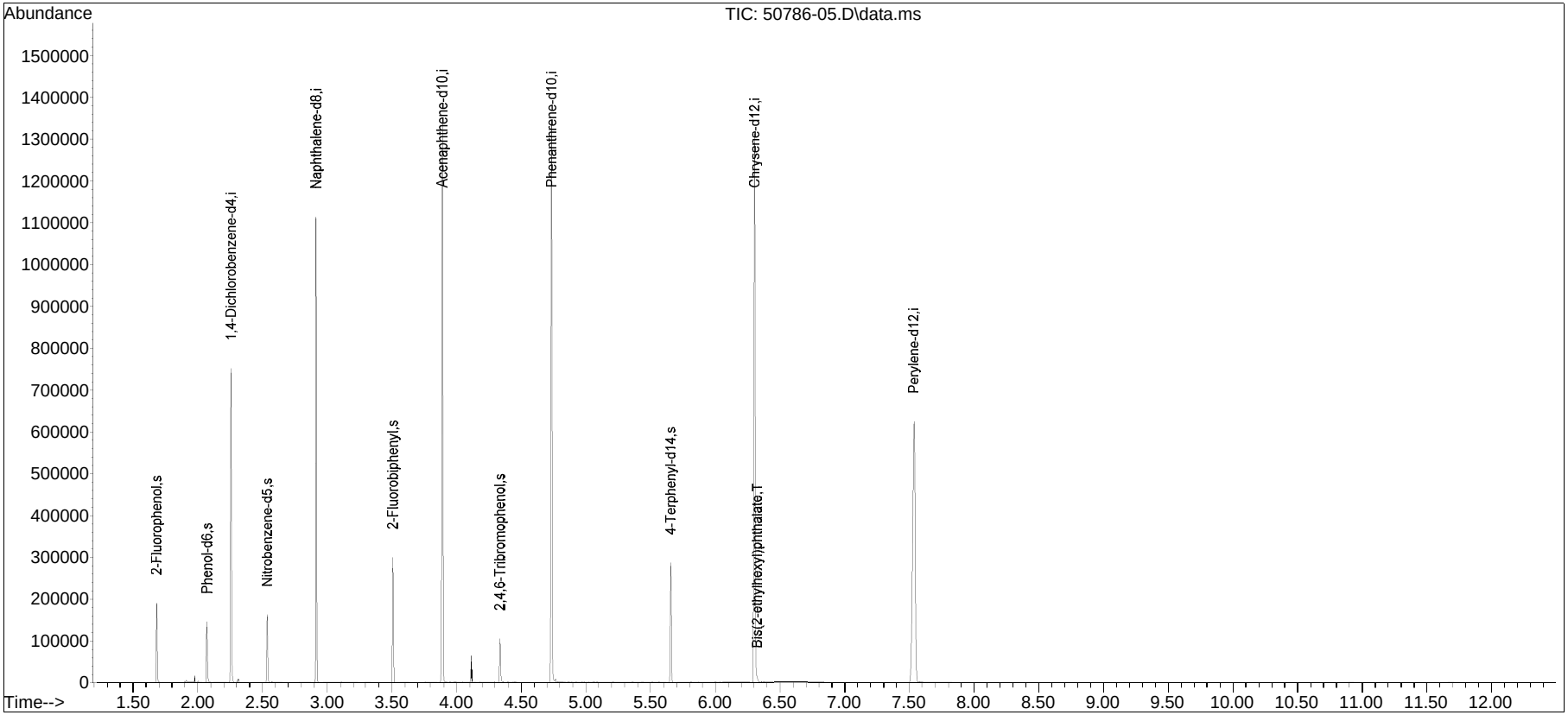
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-05.D
Acq On : 10 Sep 2024 02:35 pm
Operator : sv119:jjw
Sample : L2450786-05,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 10 15:14:53 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240910RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 50786-05.D	Operator	: sv119:jjw
Date Inj'd	: 9/10/2024 2:35 pm	Instrument	: SV119
Sample	: L2450786-05,32,,kmh	Quant Date	: 9/10/2024 2:50 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 02:42 pm
Operator : SV120:jjw
Sample : L2450786-10,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 10:41:33 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.122	152	228998	4000.000 ng/ml	0.01
Standard Area 1 = 275803			Recovery = 83.03%		
8) Naphthalene-d8	2.771	136	904048	4000.000 ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 82.36%		
17) Acenaphthene-d10	3.736	164	518377	4000.000 ng/ml	0.00
Standard Area 1 = 627546			Recovery = 82.60%		
22) Phenanthrene-d10	4.561	188	1054371	4000.000 ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 85.86%		
31) Chrysene-d12	6.075	240	1034512	4000.000 ng/ml	-0.03
Standard Area 1 = 1204331			Recovery = 85.90%		
36) Perylene-d12	7.129	264	969919	4000.000 ng/ml	-0.02
Standard Area 1 = 1217989			Recovery = 79.63%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.562	112	38314	563.279 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.16%		
3) Phenol-d6	1.946	99	40349	487.653 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.38%		
7) Nitrobenzene-d5	2.398	82	50204	745.517 ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.55%		
13) 2-Fluorobiphenyl	3.363	172	125450	643.933 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.39%		
21) 2,4,6-Tribromophenol	4.174	330	20332	712.428 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.62%		
30) 4-Terphenyl-d14	5.463	244	160433	726.557 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.33%		

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 02:42 pm
Operator : SV120:jjw
Sample : L2450786-10,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 10:41:33 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

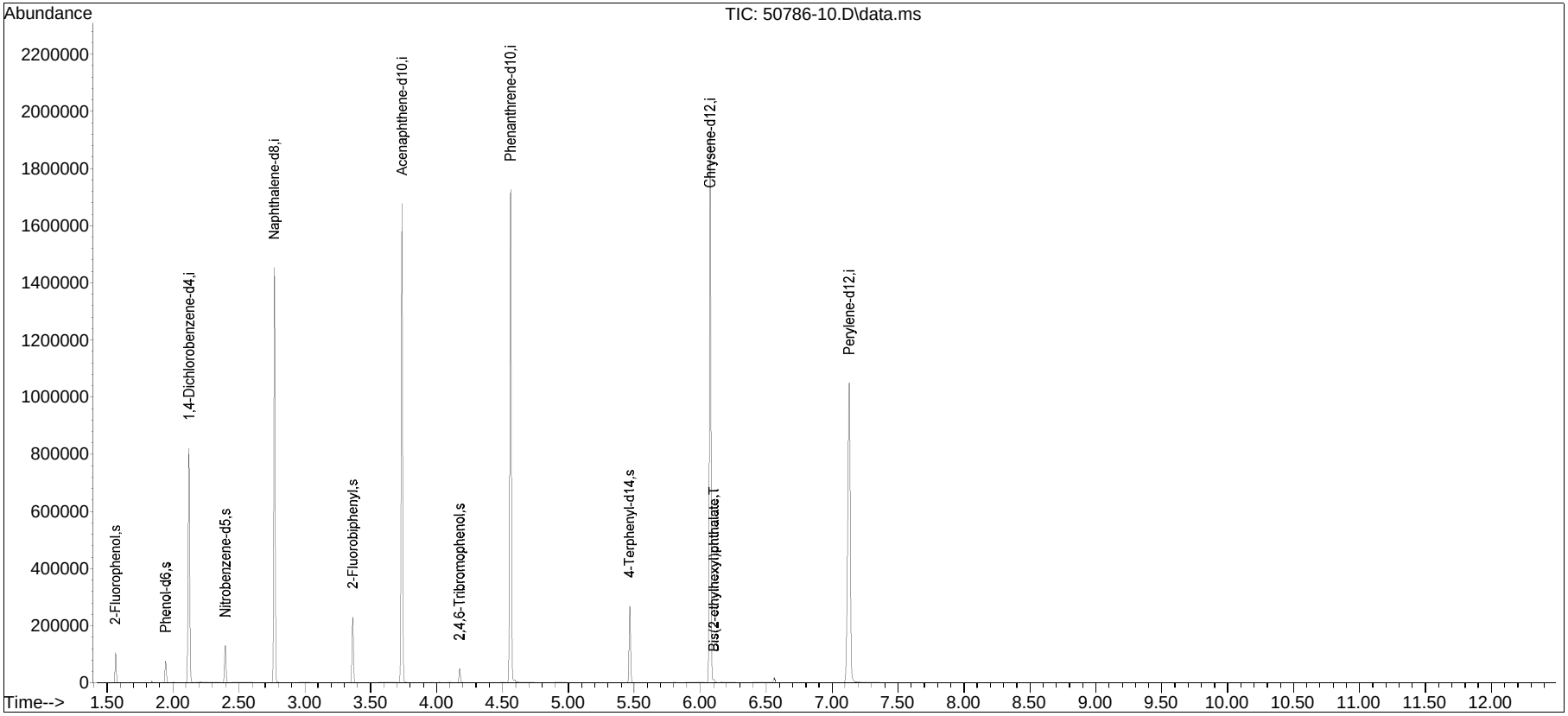
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-10.D
Acq On : 10 Sep 2024 02:42 pm
Operator : SV120:jjw
Sample : L2450786-10,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 11 10:41:33 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\240910RVTQ	Method	: SIM-RVT_240728_sv120.M
Data File	: 50786-10.D	Operator	: SV120:jjw
Date Inj'd	: 9/10/2024 2:42 pm	Instrument	: SV120
Sample	: L2450786-10,32,,kmh	Quant Date	: 9/10/2024 2:55 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 02:52 pm
Operator : sv119:jjw
Sample : L2450786-06,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 15:16:14 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	147910	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 84.85%			
8) Naphthalene-d8	2.916	136	546238	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 84.89%			
17) Acenaphthene-d10	3.890	164	317166	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 85.86%			
22) Phenanthrene-d10	4.735	188	677592	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 86.04%			
31) Chrysene-d12	6.306	240	690284	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 88.19%			
36) Perylene-d12	7.535	264	617501	4000.000	ng/ml	-0.03
Standard Area 1 = 778307			Recovery = 79.34%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.680	112	45591	873.795	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.69%			
3) Phenol-d6	2.074	99	53517	813.244	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.66%			
7) Nitrobenzene-d5	2.535	82	46842	811.484	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.15%			
13) 2-Fluorobiphenyl	3.509	172	105492	747.023	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.70%			
21) 2,4,6-Tribromophenol	4.337	330	26072	1177.325	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.87%			
30) 4-Terphenyl-d14	5.656	244	132972	709.878	ng/ml	-0.01
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.49%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D.

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 02:52 pm
Operator : sv119:jjw
Sample : L2450786-06,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 15:16:14 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.746	178	844M4	4.285	ng/ml	
27) Anthracene	4.776	178	225M4	1.106	ng/ml	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

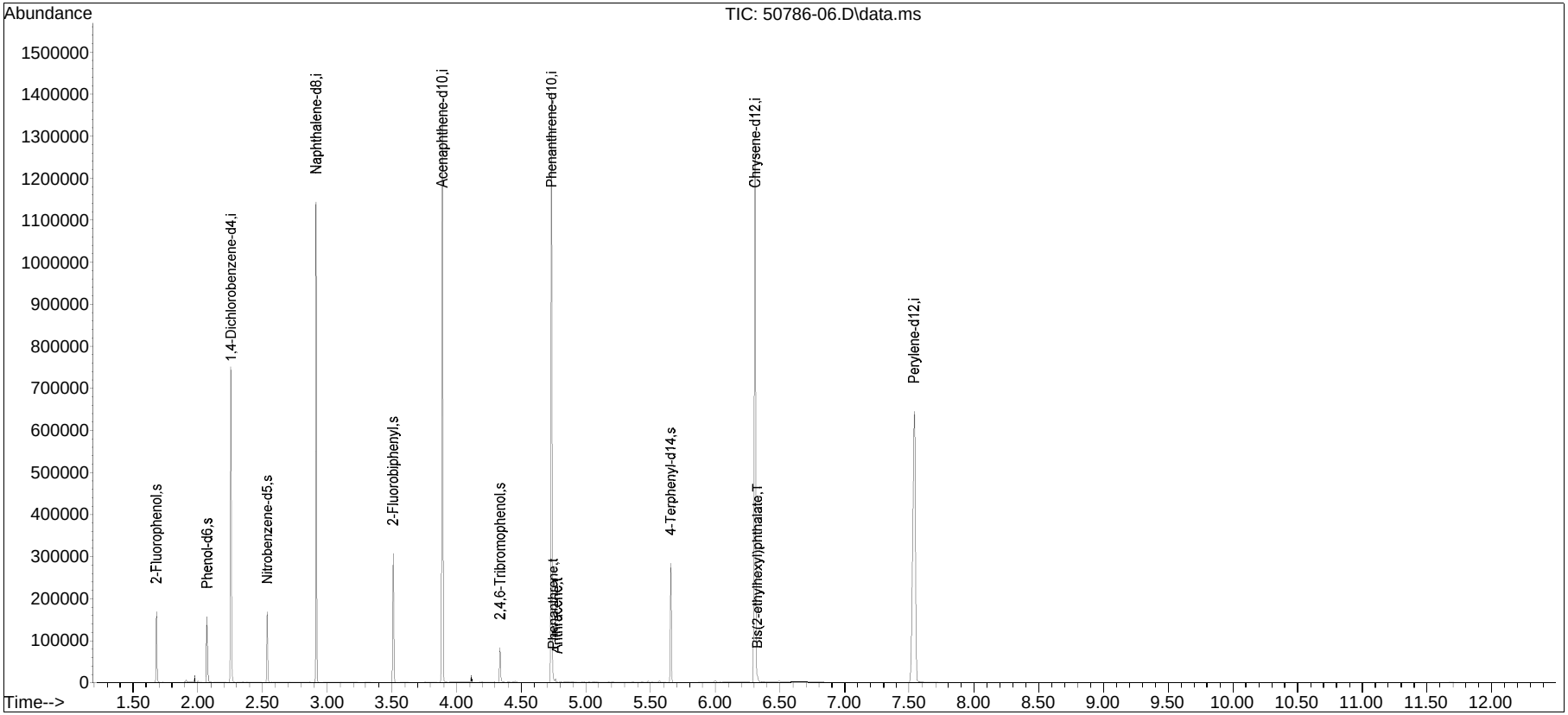
(#) = qualifier out of range (m) = manual integration (+) = signals summed

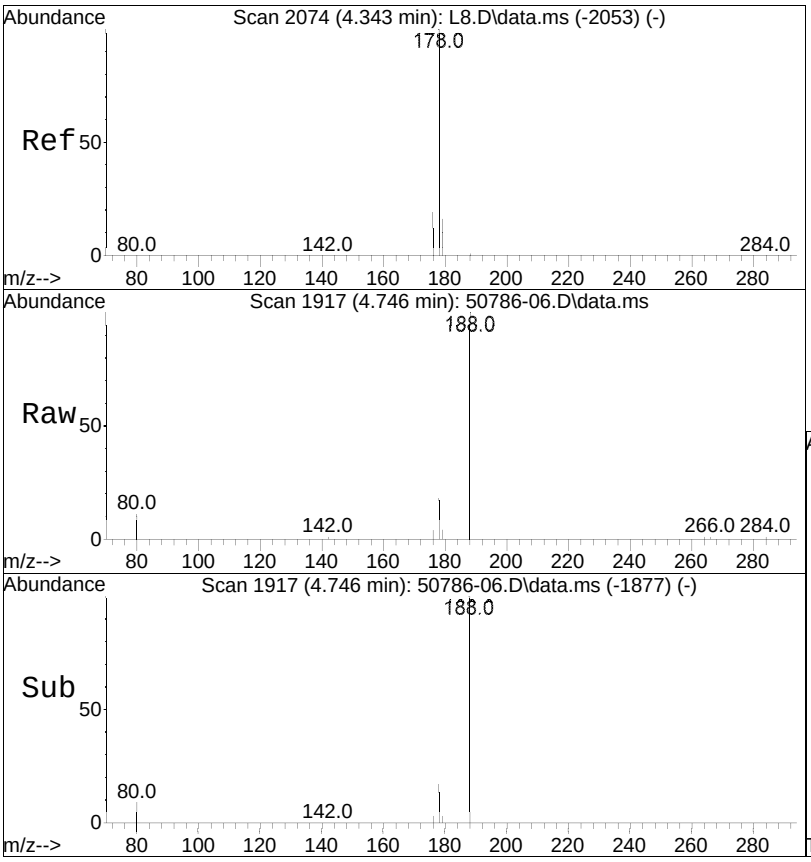
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-06.D
Acq On : 10 Sep 2024 02:52 pm
Operator : sv119:jjw
Sample : L2450786-06,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 10 15:16:14 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•

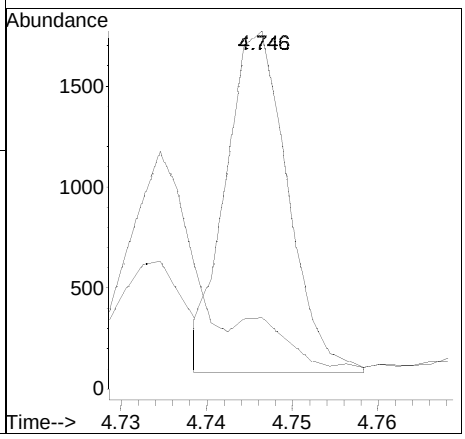


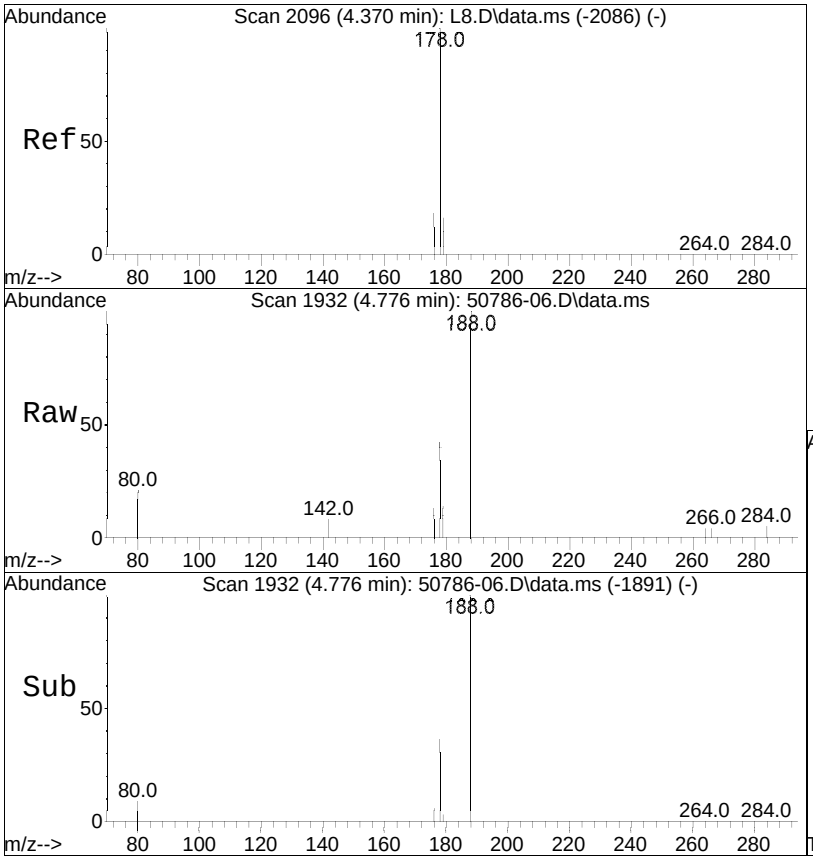


#26
Phenanthrene
Concen: 4.28 ng/ml M4
RT: 4.746 min Scan# 1917
Delta R.T. -0.001 min
Lab File: 50786-06.D
Acq: 10 Sep 2024 02:52 pm

Tgt Ion:178 Resp: 844

Ion	Ratio	Lower	Upper
178	100		
179	14.5	12.6	18.8

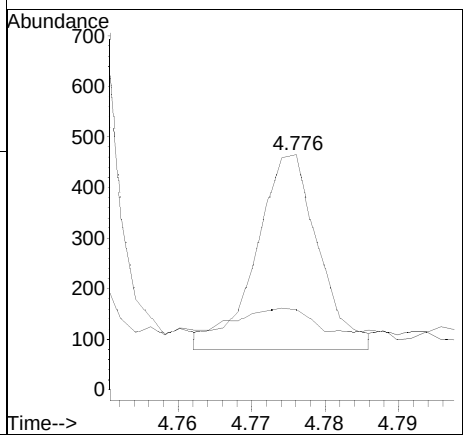




#27
Anthracene
Concen: 1.11 ng/ml M4
RT: 4.776 min Scan# 1932
Delta R.T. 0.001 min
Lab File: 50786-06.D
Acq: 10 Sep 2024 02:52 pm

Tgt Ion:178 Resp: 225

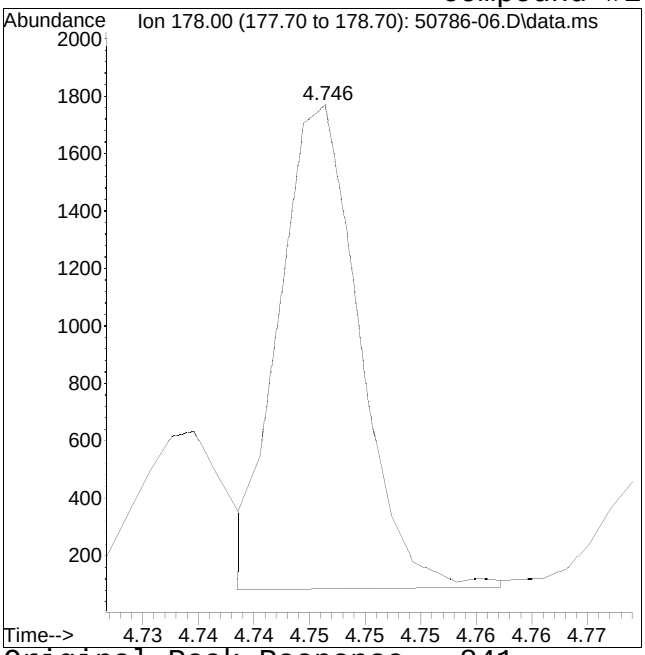
Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.4	18.6#



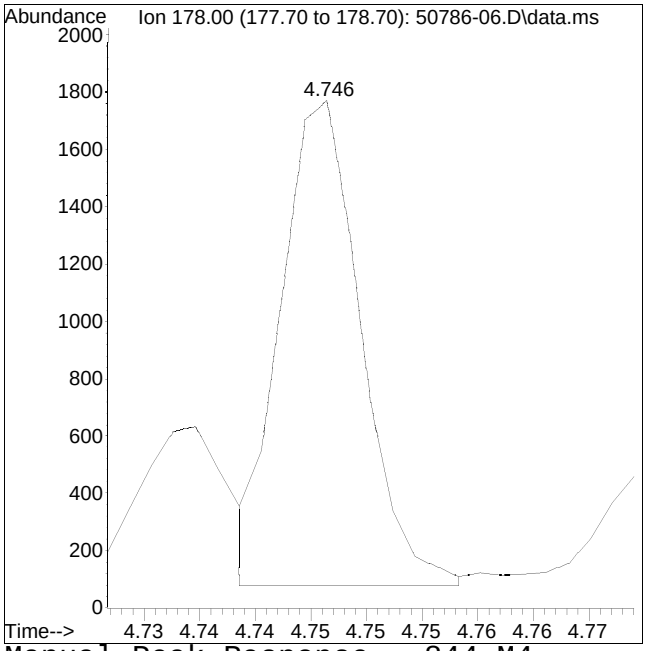
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 50786-06.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 2:52 pm Instrument : SV119
Sample : L2450786-06,32,,kmh Quant Date : 9/10/2024 3:07 pm

Compound #26: Phenanthrene



Original Peak Response = 841



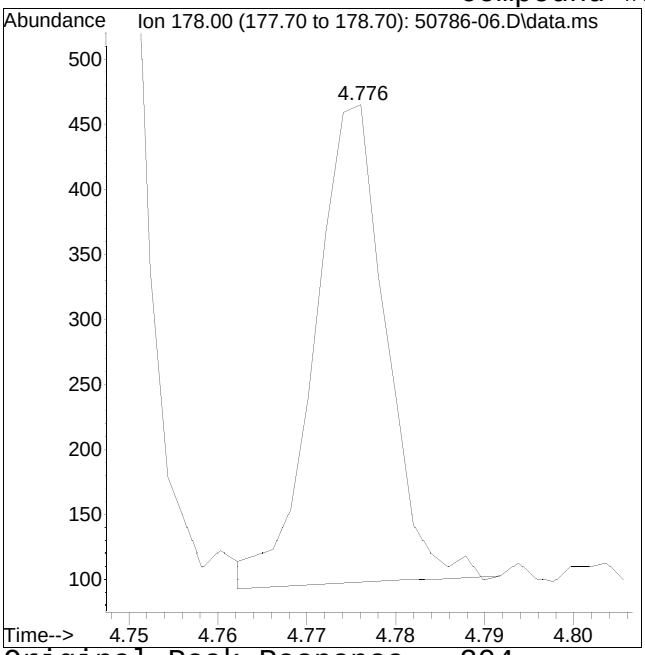
Manual Peak Response = 844 M4

M4 = Poor automated baseline construction.

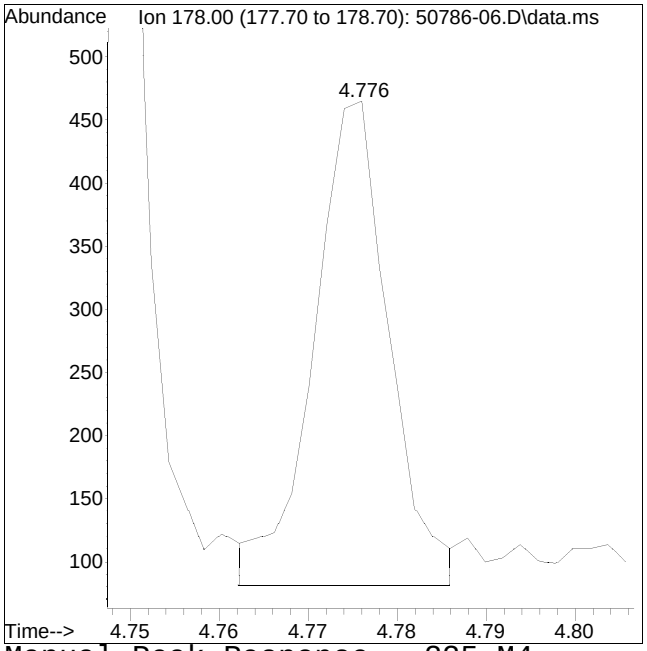
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 50786-06.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 2:52 pm Instrument : SV119
Sample : L2450786-06,32,,kmh Quant Date : 9/10/2024 3:07 pm

Compound #27: Anthracene



Original Peak Response = 204



Manual Peak Response = 225 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 02:58 pm
Operator : SV120:jjw
Sample : L2450786-12,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 10:42:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.126	152	251193	4000.000 ng/ml	0.01
Standard Area 1 = 275803			Recovery = 91.08%		
8) Naphthalene-d8	2.774	136	990213	4000.000 ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 90.21%		
17) Acenaphthene-d10	3.736	164	566000	4000.000 ng/ml	0.00
Standard Area 1 = 627546			Recovery = 90.19%		
22) Phenanthrene-d10	4.562	188	1151095	4000.000 ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 93.73%		
31) Chrysene-d12	6.073	240	1125966	4000.000 ng/ml	-0.03
Standard Area 1 = 1204331			Recovery = 93.49%		
36) Perylene-d12	7.124	264	1070261	4000.000 ng/ml	-0.03
Standard Area 1 = 1217989			Recovery = 87.87%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.568	112	32613	437.100 ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 21.86%		
3) Phenol-d6	1.950	99	36203	398.884 ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 19.94%		
7) Nitrobenzene-d5	2.401	82	54722	740.807 ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.08%		
13) 2-Fluorobiphenyl	3.364	172	137364	643.733 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.37%		
21) 2,4,6-Tribromophenol	4.178	330	19038	610.958 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.55%		
30) 4-Terphenyl-d14	5.464	244	176551	732.367 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.62%		

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D. d
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D.
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 02:58 pm
Operator : SV120:jjw
Sample : L2450786-12,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 10:42:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.		
38) Benzo[k]fluoranthene	0.000		0	N.D.		
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

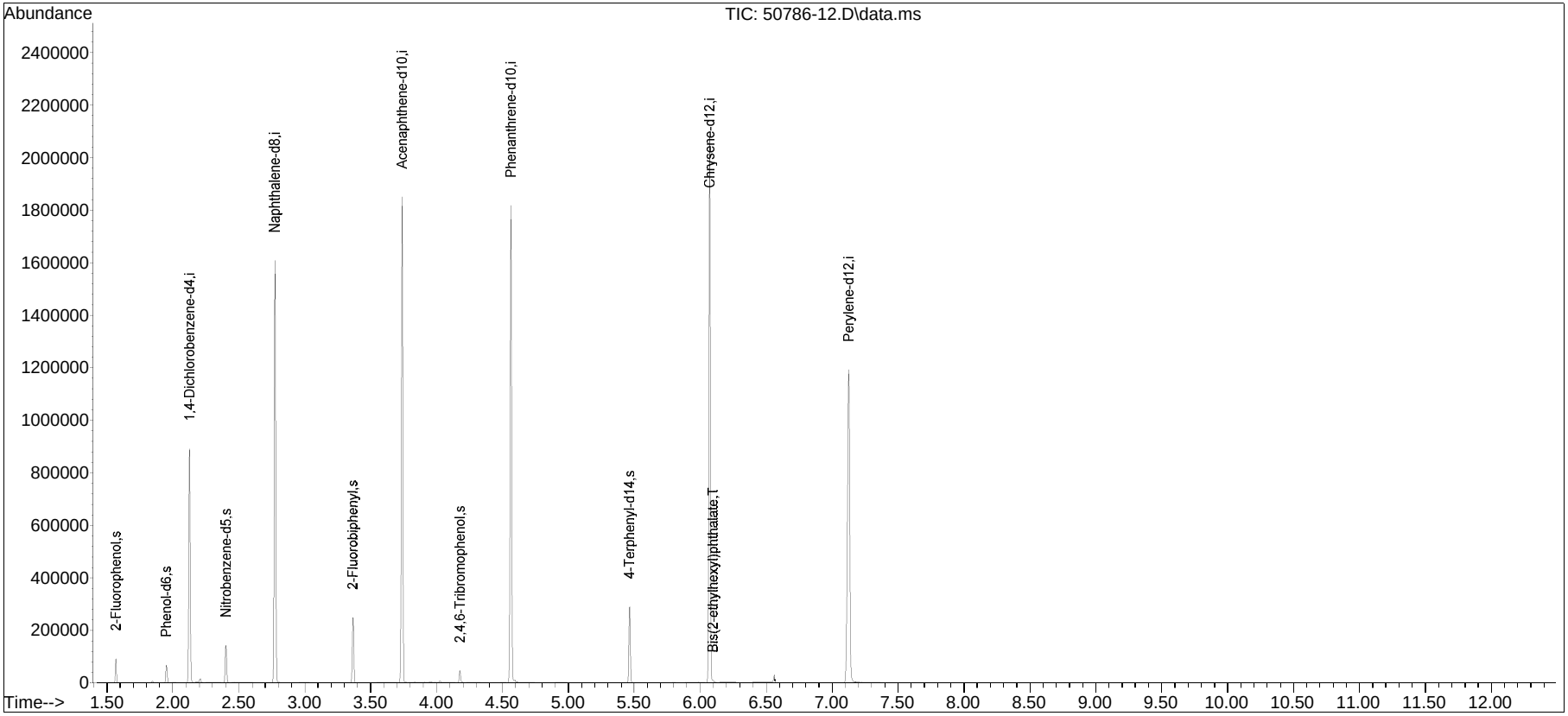
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 50786-12.D
Acq On : 10 Sep 2024 02:58 pm
Operator : SV120:jjw
Sample : L2450786-12,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 11 10:42:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\240910RVT	Method	: SIM-RVT_240728_sv120.M
Data File	: 50786-12.D	Operator	: SV120:jjw
Date Inj'd	: 9/10/2024 2:58 pm	Instrument	: SV120
Sample	: L2450786-12,32,,kmh	Quant Date	: 9/10/2024 3:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 03:08 pm
Operator : sv119:jjw
Sample : L2450786-07,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 16:37:32 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.258	152	145540	4000.000	ng/ml	0.01
Standard Area 1 = 174323			Recovery = 83.49%			
8) Naphthalene-d8	2.916	136	535448	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 83.21%			
17) Acenaphthene-d10	3.890	164	314191	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 85.06%			
22) Phenanthrene-d10	4.734	188	690127	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 87.63%			
31) Chrysene-d12	6.310	240	723865	4000.000	ng/ml	-0.02
Standard Area 1 = 782764			Recovery = 92.48%			
36) Perylene-d12	7.539	264	640471	4000.000	ng/ml	-0.02
Standard Area 1 = 778307			Recovery = 82.29%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.679	112	52101	1014.826	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.74%			
3) Phenol-d6	2.074	99	54702	844.787	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.24%			
7) Nitrobenzene-d5	2.535	82	45535	801.687	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.17%			
13) 2-Fluorobiphenyl	3.509	172	103879	750.424	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.04%			
21) 2,4,6-Tribromophenol	4.337	330	32315	1473.055	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 73.65%			
30) 4-Terphenyl-d14	5.659	244	138666	726.830	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.34%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D.

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 03:08 pm
Operator : sv119:jjw
Sample : L2450786-07,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 16:37:32 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

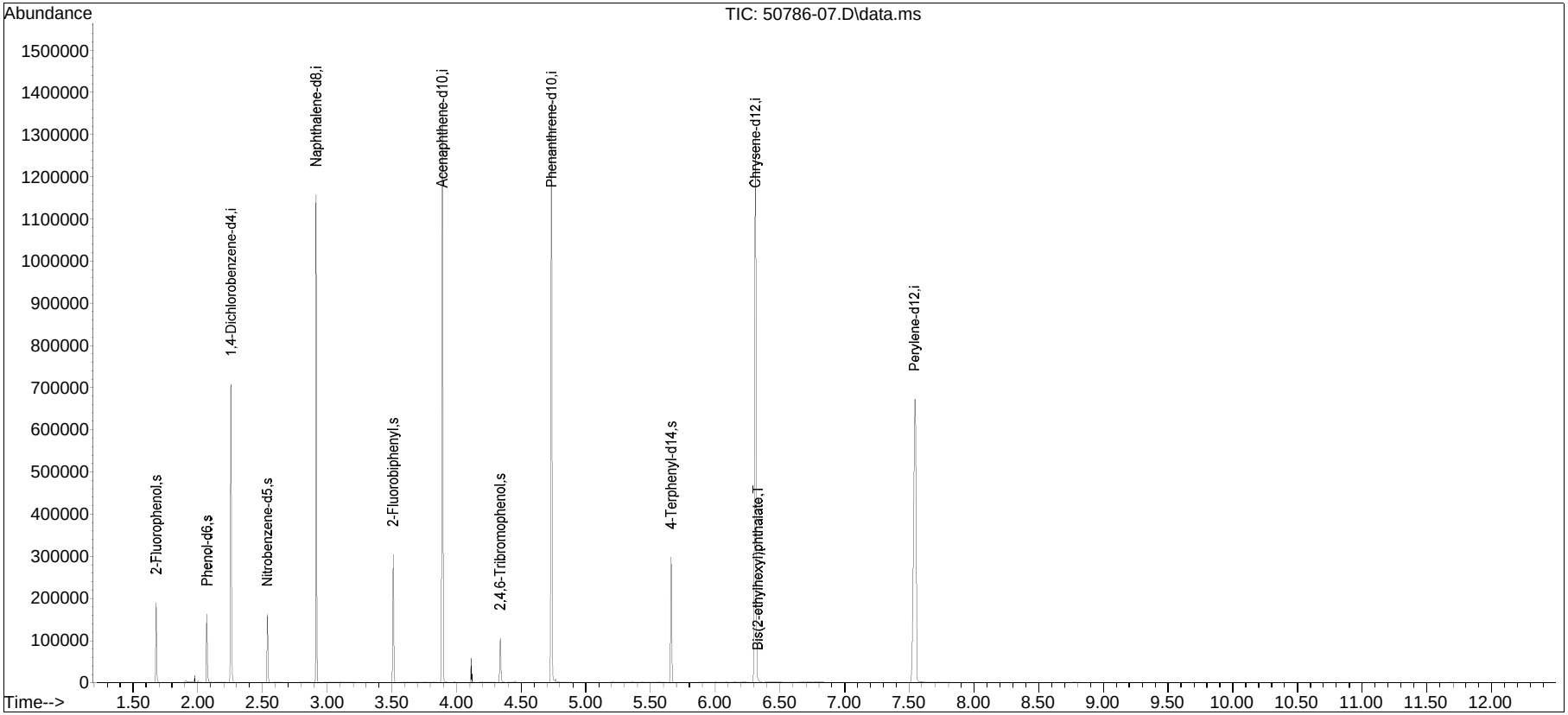
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 50786-07.D
Acq On : 10 Sep 2024 03:08 pm
Operator : sv119:jjw
Sample : L2450786-07,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 10 16:37:32 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240910RVT	Method	: SIM-RVT_240621_sv119.M
Data File	: 50786-07.D	Operator	: sv119:jjw
Date Inj'd	: 9/10/2024 3:08 pm	Instrument	: SV119
Sample	: L2450786-07,32,,kmh	Quant Date	: 9/10/2024 3:23 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21236**
Calibration dates	**: 06/21/24 14:50 06/21/24 17:17**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	s	2-Fluorophenol		1.499	1.440	1.417	1.513	1.488	1.487	1.409	1.284	1.164	1.411	8.23
3)	s	Phenol-d6		1.805	1.715	1.711	1.852	1.844	1.895	1.850	1.746	1.599	1.780	5.29
4)	T	bis(2-Chloroethyl)ether		1.538	1.382	1.469	1.494	1.536	1.496	1.423	1.319	1.210	1.430	7.67
5)	T	n-Nitrosodi-n-propylamine		1.104	1.054	1.014	1.042	1.052	1.153	1.155	1.161	1.060	1.088	5.15
6)	t	Hexachloroethane		0.789	0.699	0.682	0.667	0.665	0.668	0.646	0.604	0.553	0.664	9.73
7)	s	Nitrobenzene-d5		1.726	1.409	1.445	1.599	1.619	1.677	1.630	1.542	1.403	1.561	7.58
8)	i	Naphthalene-d8	----------ISTD----------											
9)	t	Naphthalene	1.150	1.261	1.157	1.120	1.128	1.109	1.109	1.084	1.006	0.917	1.104	8.29
10)	t	Hexachlorobutadiene		0.293	0.265	0.250	0.264	0.255	0.250	0.239	0.218	0.198	0.248	11.13
11)	t	2-Methylnaphthalene	0.784	0.827	0.829	0.853	0.903	0.905	0.892	0.847	0.776	0.683	0.830	8.24
12)	t	1-Methylnaphthalene	0.852	0.881	0.857	0.822	0.838	0.844	0.815	0.773	0.711	0.630	0.802	9.67
13)	s	2-Fluorobiphenyl		1.142	1.059	1.142	1.147	1.151	1.061	0.980	0.870	0.755	1.034	13.63
14)	t	2-Chloronaphthalene		0.945	0.925	0.926	0.969	0.949	0.918	0.880	0.815	0.721	0.894	8.84
15)	t	2,6-Dinitrotoluene					0.228	0.238	0.260	0.258	0.247	0.214	0.241	7.37
16)	t	Acenaphthylene	1.511	1.519	1.431	1.482	1.513	1.484	1.478	1.415	1.311	1.141	1.429	8.32
17)	i	Acenaphthene-d10	----------ISTD----------											
18)	t	Acenaphthene	1.624	1.531	1.354	1.345	1.412	1.407	1.429	1.389	1.290	1.181	1.396	8.73
19)	t	2,4-Dinitrotoluene					0.468	0.515	0.600	0.596	0.545	0.486	0.535	10.35
20)	t	Fluorene	2.024	2.081	1.887	1.844	1.914	1.911	1.898	1.803	1.618	1.423	1.840	10.44
21)	s	2,4,6-Tribromophenol		0.280	0.250	0.256	0.280	0.284	0.315	0.309	0.287	0.254	0.279	8.25
22)	i	Phenanthrene-d10	----------ISTD----------											
23)	T	4,6-Dinitro-o-cresol					0.096	0.107	0.157	0.163	0.168	0.160	*Q	0.9994
24)	t	Hexachlorobenzene		0.325	0.283	0.293	0.299	0.290	0.281	0.261	0.232	0.207	0.275	13.07
25)	t	Pentachlorophenol			0.104	0.091	0.104	0.117	0.169	0.178	0.183		*Q	0.9975
26)	t	Phenanthrene	1.429	1.353	1.140	1.122	1.156	1.163	1.160	1.120	1.037	0.949	1.163	11.91
27)	t	Anthracene	1.386	1.332	1.163	1.148	1.209	1.223	1.254	1.206	1.098	0.996	1.201	9.26
28)	t	Fluoranthene		2.024	1.664	1.691	1.738	1.716	1.610	1.495	1.280	1.154	1.597	16.22
29)	t	Pyrene		2.103	1.785	1.749	1.824	1.772	1.637	1.528	1.298	1.195	1.655	16.87
30)	s	4-Terphenyl-d14			1.312	1.248	1.271	1.235	1.110	1.026	0.852	0.791	1.106	17.97
31)	i	Chrysene-d12	----------ISTD----------											
32)	t	Benzo[a]anthracene		7.571	3.798	2.602	1.853	1.665	1.630	1.616	1.504	1.473	*L	0.9990
33)	t	3,3'-Dichlorobenzene					0.567	0.588	0.657	0.660	0.614	0.579	0.611	6.57
34)	t	Chrysene	1.711	1.595	1.403	1.409	1.460	1.464	1.512	1.516	1.433	1.384	1.489	6.76
35)	T	bis(2-Ethylhexyl)phthalate					0.830	0.858	1.029	1.097	1.115	1.082	*L	0.9996
36)	i	Perylene-d12	----------ISTD----------											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21236**
Calibration dates	**: 06/21/24 14:50 06/21/24 17:17**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.975	1.900	1.600	1.691	1.716	1.761	1.653	1.617	1.405	1.248	1.657	12.90
38) t	Benzo[k]fluoranthene			1.744	1.675	1.775	1.675	1.559	1.403	1.269	1.144	1.531	15.26
39) t	Benzo[a]pyrene	1.765	1.646	1.432	1.422	1.491	1.502	1.494	1.441	1.291	1.190	1.467	11.01
40) t	Indeno[1,2,3-cd]pyrene	1.835	1.611	1.346	1.389	1.476	1.489	1.478	1.483	1.373	1.352	1.483	9.98
41) t	Dibenzo[a,h]anthracene	1.555	1.453	1.258	1.272	1.378	1.353	1.305	1.289	1.196	1.155	1.321	8.99
42) t	Benzo[g,h,i]perylene	1.810	1.648	1.414	1.376	1.486	1.459	1.431	1.397	1.302	1.267	1.459	11.08

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21368**
Calibration dates	**: 07/28/24 16:50 07/28/24 19:15**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.200	1.265	1.191	1.180	1.168	1.207	1.198	1.179	1.175	1.117	1.188	3.11
3)	s	Phenol-d6		1.568	1.393	1.412	1.393	1.441	1.451	1.437	1.474	1.440	1.445	3.67
4)	T	bis(2-Chloroethyl)ether		1.630	1.353	1.310	1.279	1.292	1.294	1.244	1.239	1.193	1.315	9.65
5)	T	n-Nitrosodi-n-propylamine		0.925	0.841	0.819	0.799	0.836	0.866	0.879	0.934	0.932	0.870	5.85
6)	t	Hexachloroethane			0.587	0.565	0.551	0.566	0.564	0.552	0.557	0.547	0.561	2.27
7)	s	Nitrobenzene-d5		1.158	1.123	1.115	1.118	1.171	1.200	1.210	1.258	1.234	1.176	4.47
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.315	1.282	1.192	1.180	1.111	1.128	1.103	1.075	1.074	1.028	1.149	8.10
10)	t	Hexachlorobutadiene			0.208	0.208	0.200	0.202	0.196	0.191	0.190	0.184	0.197	4.50
11)	t	2-Methylnaphthalene		0.786	0.729	0.737	0.716	0.734	0.730	0.718	0.721	0.691	0.729	3.47
12)	t	1-Methylnaphthalene		0.749	0.678	0.687	0.674	0.685	0.678	0.664	0.666	0.643	0.680	4.23
13)	s	2-Fluorobiphenyl	0.901	0.948	0.870	0.871	0.854	0.879	0.855	0.827	0.829	0.786	0.862	5.11
14)	t	2-Chloronaphthalene		0.812	0.745	0.744	0.726	0.748	0.742	0.725	0.728	0.697	0.741	4.19
15)	t	2,6-Dinitrotoluene					0.106	0.117	0.143	0.154	0.170	0.168	*L	0.9985
16)	t	Acenaphthylene	1.042	1.058	1.016	1.009	1.003	1.050	1.111	1.115	1.139	1.092	1.063	4.54
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene		1.603	1.465	1.533	1.431	1.443	1.415	1.368	1.384	1.340	1.442	5.75
19)	t	2,4-Dinitrotoluene					0.238	0.273	0.347	0.371	0.406	0.404	*L	0.9987
20)	t	Fluorene	1.827	1.759	1.571	1.547	1.495	1.559	1.589	1.541	1.567	1.529	1.598	6.69
21)	s	2,4,6-Tribromophenol				0.168	0.178	0.205	0.238	0.242	0.257	0.254	0.220	16.45
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.040	0.055	0.081	0.091	0.106	0.112	*Q	0.9987
24)	t	Hexachlorobenzene	0.332	0.300	0.276	0.279	0.270	0.279	0.276	0.266	0.266	0.260	0.280	7.57
25)	t	Pentachlorophenol					0.037	0.062	0.102	0.125	0.154	0.163	*Q	0.9973
26)	t	Phenanthrene			1.242	1.261	1.225	1.211	1.186	1.140	1.134	1.104	1.188	4.77
27)	t	Anthracene			1.187	1.162	1.111	1.139	1.161	1.146	1.150	1.111	1.146	2.26
28)	t	Fluoranthene			1.329	1.308	1.253	1.289	1.318	1.286	1.270	1.215	1.283	2.89
29)	t	Pyrene			1.359	1.326	1.300	1.346	1.407	1.353	1.338	1.268	1.337	3.10
30)	s	4-Terphenyl-d14		0.977	0.856	0.843	0.815	0.835	0.845	0.815	0.795	0.759	0.838	7.19
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			3.931	2.673	1.652	1.513	1.496	1.499	1.504	1.517	*L	0.9998
33)	t	3,3'-Dichlorobenzene					0.356	0.396	0.488	0.520	0.572	0.581	*L	0.9983
34)	t	Chrysene			1.457	1.446	1.437	1.487	1.517	1.418	1.459	1.418	1.455	2.32
35)	T	bis(2-Ethylhexyl)phthalate					0.520	0.578	0.789	0.884	1.032	1.080	*Q	0.9986
36)	i	Perylene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21368**
Calibration dates	**: 07/28/24 16:50 07/28/24 19:15**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene		1.356	1.293	1.226	1.258	1.350	1.442	1.336	1.472	1.420	1.350	6.18
38) t	Benzo[k]fluoranthene		1.318	1.181	1.222	1.143	1.201	1.332	1.400	1.309	1.343	1.272	6.87
39) t	Benzo[a]pyrene		1.021	0.941	0.949	0.949	1.025	1.169	1.180	1.237	1.246	1.080	11.83
40) t	Indeno[1,2,3-cd]pyrene			0.878	0.889	0.873	0.921	1.036	1.062	1.171	1.265	1.012	14.62
41) t	Dibenzo[a,h]anthracene			0.776	0.799	0.808	0.900	1.015	1.041	1.113	1.144	0.950	15.53
42) t	Benzo[g,h,i]perylene		1.012	0.913	0.926	0.918	0.993	1.077	1.095	1.162	1.212	1.034	10.58

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\240621RVTical\
Method File : SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

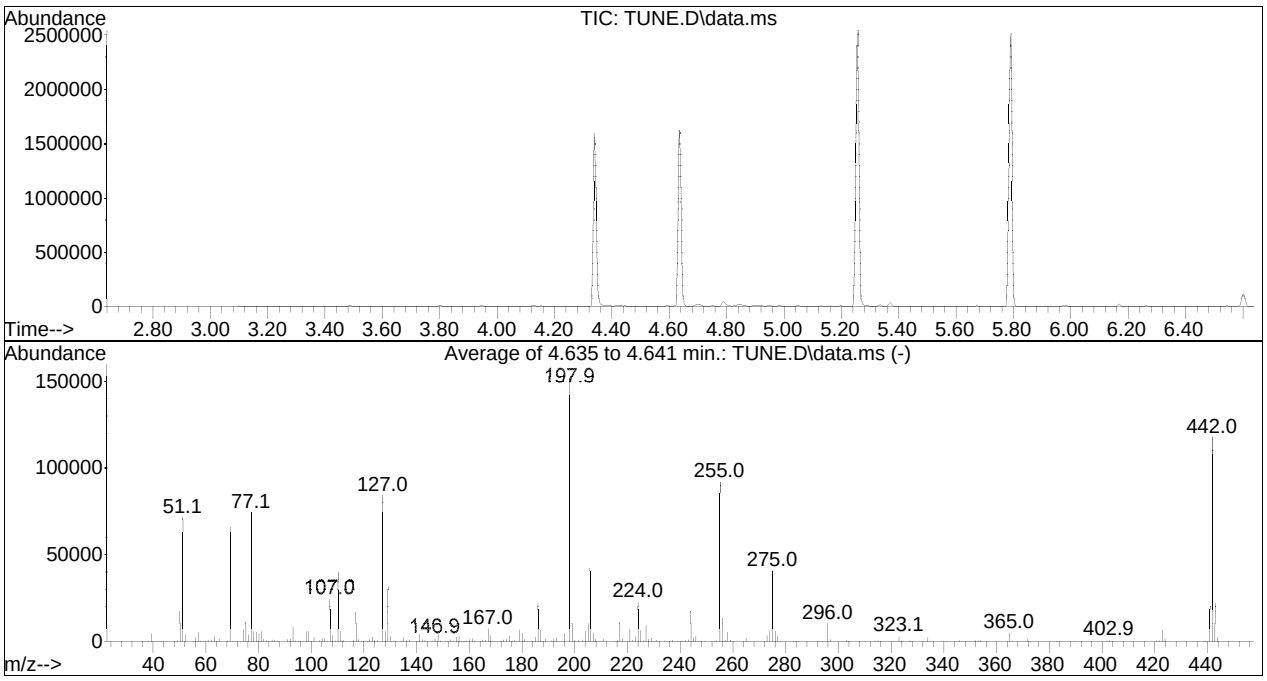
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.499	1.440	1.417	1.513	1.488	1.487	1.409	1.284	1.164	1.411		8.23
3)	s	Phenol-d6	1.805	1.715	1.711	1.852	1.844	1.895	1.850	1.746	1.599	1.780		5.29
4)	T	bis(2-Chloroethyl)ether	1.538	1.382	1.469	1.494	1.536	1.496	1.423	1.319	1.210	1.430		7.67
5)	T	n-Nitrosodi-n-propylamine	1.104	1.054	1.014	1.042	1.052	1.153	1.155	1.161	1.060	1.088		5.15
6)	t	Hexachloroethane	0.789	0.699	0.682	0.667	0.665	0.668	0.646	0.604	0.553	0.664		9.73
7)	s	Nitrobenzene-d5	1.726	1.409	1.445	1.599	1.619	1.677	1.630	1.542	1.403	1.561		7.58
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.150	1.261	1.157	1.120	1.128	1.109	1.109	1.084	1.006	0.917	1.104	8.29
10)	t	Hexachlorobutadiene	0.293	0.265	0.250	0.264	0.255	0.250	0.239	0.218	0.198	0.248		11.13
11)	t	2-Methylnaphthalene	0.784	0.827	0.829	0.853	0.903	0.905	0.892	0.847	0.776	0.683	0.830	8.24
12)	t	1-Methylnaphthalene	0.852	0.881	0.857	0.822	0.838	0.844	0.815	0.773	0.711	0.630	0.802	9.67
13)	s	2-Fluorobiphenyl	1.142	1.059	1.142	1.147	1.151	1.061	0.980	0.870	0.755	1.034		13.63
14)	t	2-Chloronaphthalene	0.945	0.925	0.926	0.969	0.949	0.918	0.880	0.815	0.721	0.894		8.84
15)	t	2,6-Dinitrotoluene	0.228	0.238	0.260	0.258	0.247	0.214	0.241					7.37
16)	t	Acenaphthylene	1.511	1.519	1.431	1.482	1.513	1.484	1.478	1.415	1.311	1.141	1.429	8.32
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.624	1.531	1.354	1.345	1.412	1.407	1.429	1.389	1.290	1.181	1.396	8.73
19)	t	2,4-Dinitrotoluene	0.468	0.515	0.600	0.596	0.545	0.486	0.535					10.35
20)	t	Fluorene	2.024	2.081	1.887	1.844	1.914	1.911	1.898	1.803	1.618	1.423	1.840	10.44
21)	s	2,4,6-Tribromophenol	0.280	0.250	0.256	0.280	0.284	0.315	0.309	0.287	0.254	0.279		8.25
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol	0.096	0.107	0.157	0.163	0.168	0.160					*Q	0.9994
24)	t	Hexachlorobenzene	0.325	0.283	0.293	0.299	0.290	0.281	0.261	0.232	0.207	0.275		13.07
25)	t	Pentachlorophenol	0.104	0.091	0.104	0.117	0.169	0.178	0.183				*Q	0.9975
26)	t	Phenanthrene	1.429	1.353	1.140	1.122	1.156	1.163	1.160	1.120	1.037	0.949	1.163	11.91
27)	t	Anthracene	1.386	1.332	1.163	1.148	1.209	1.223	1.254	1.206	1.098	0.996	1.201	9.26
28)	t	Fluoranthene	2.024	1.664	1.691	1.738	1.716	1.610	1.495	1.280	1.154	1.597		16.22
29)	t	Pyrene	2.103	1.785	1.749	1.824	1.772	1.637	1.528	1.298	1.195	1.655		16.87
30)	s	4-Terphenyl-d14	1.312	1.248	1.271	1.235	1.110	1.026	0.852	0.791	1.106			17.97
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	7.571	3.798	2.602	1.853	1.665	1.630	1.616	1.504	1.473		*L	0.9990
33)	t	3,3'-Dichlorob...	0.567	0.588	0.657	0.660	0.614	0.579	0.611					6.57
34)	t	Chrysene	1.711	1.595	1.403	1.409	1.460	1.464	1.512	1.516	1.433	1.384	1.489	6.76
35)	T	bis(2-Ethylhexyl)phthalate	0.830	0.858	1.029	1.097	1.115	1.082					*L	0.9996
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.975	1.900	1.600	1.691	1.716	1.761	1.653	1.617	1.405	1.248	1.657	12.90
38)	t	Benzo[k]fluora...	1.744	1.675	1.775	1.675	1.559	1.403	1.269	1.144	1.531			15.26
39)	t	Benzo[a]pyrene	1.765	1.646	1.432	1.422	1.491	1.502	1.494	1.441	1.291	1.190	1.467	11.01
40)	t	Indeno[1,2,3-c...	1.835	1.611	1.346	1.389	1.476	1.489	1.478	1.483	1.373	1.352	1.483	9.98
41)	t	Dibenzo[a,h]anthracene	1.555	1.453	1.258	1.272	1.378	1.353	1.305	1.289	1.196	1.155	1.321	8.99
42)	t	Benzo[g,h,i]pe...	1.810	1.648	1.414	1.376	1.486	1.459	1.431	1.397	1.302	1.267	1.459	11.08

(#) = Out of Range

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024



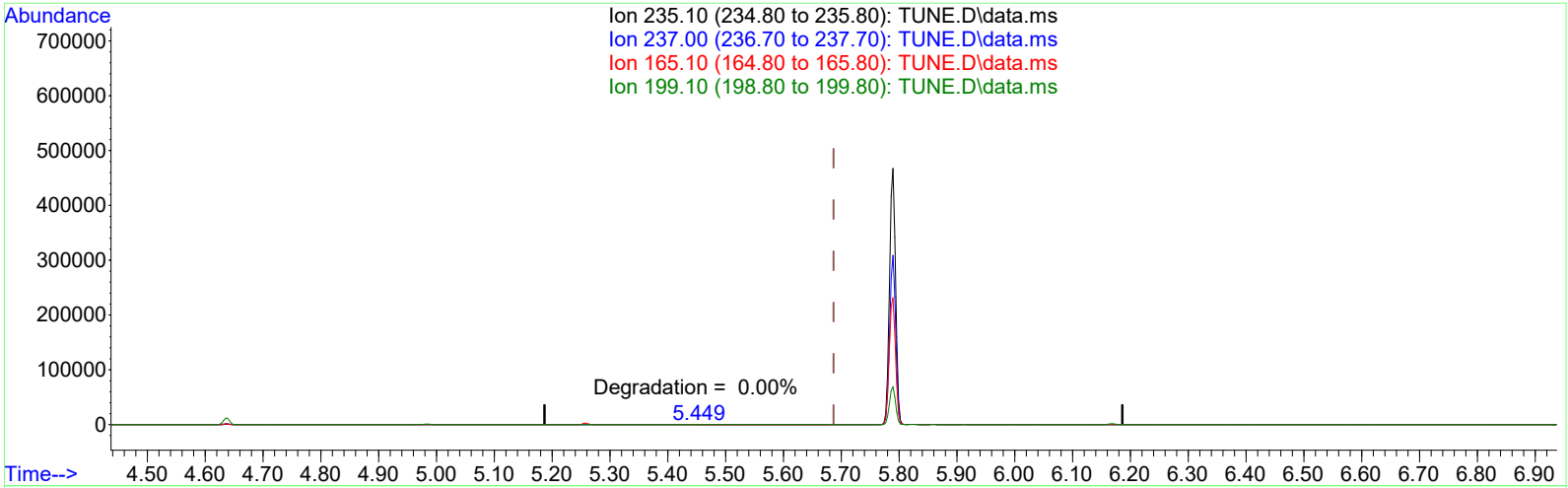
Spectrum Information: Average of 4.635 to 4.641 min.

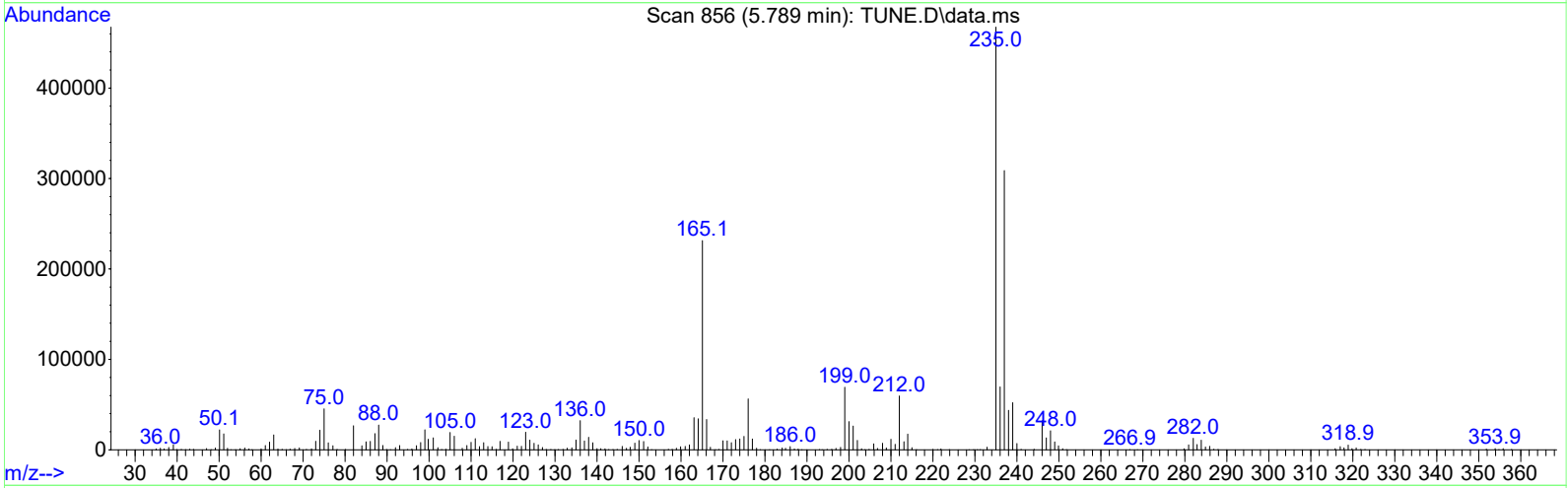
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	71109	PASS
68	69	0.00	2	1.4	926	PASS
69	69	100	100	100.0	65816	PASS
70	69	0.00	2	0.6	425	PASS
127	198	10	80	55.3	84061	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152117	PASS
199	198	5	9	6.8	10353	PASS
275	198	10	60	26.8	40739	PASS
365	198	1	100	3.2	4906	PASS
441	442	0.01	24	17.5	20573	PASS
442	198	50	100	77.1	117261	PASS
443	442	15	24	18.9	22125	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

5.789min (+ 0.102) 56.01

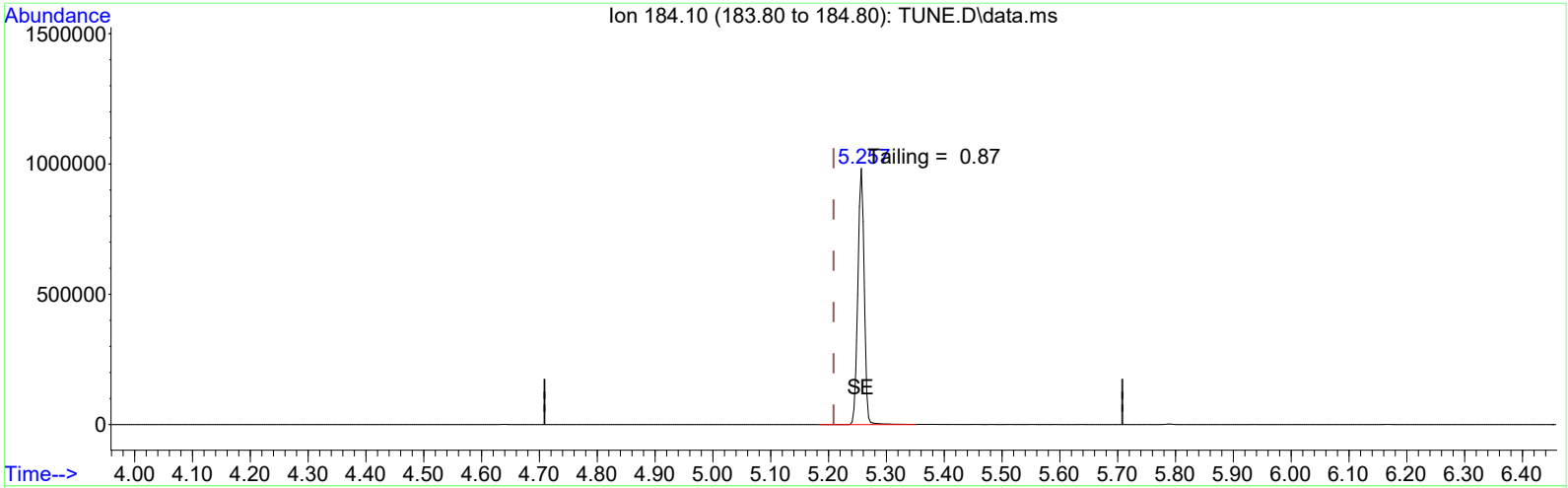
response 341393

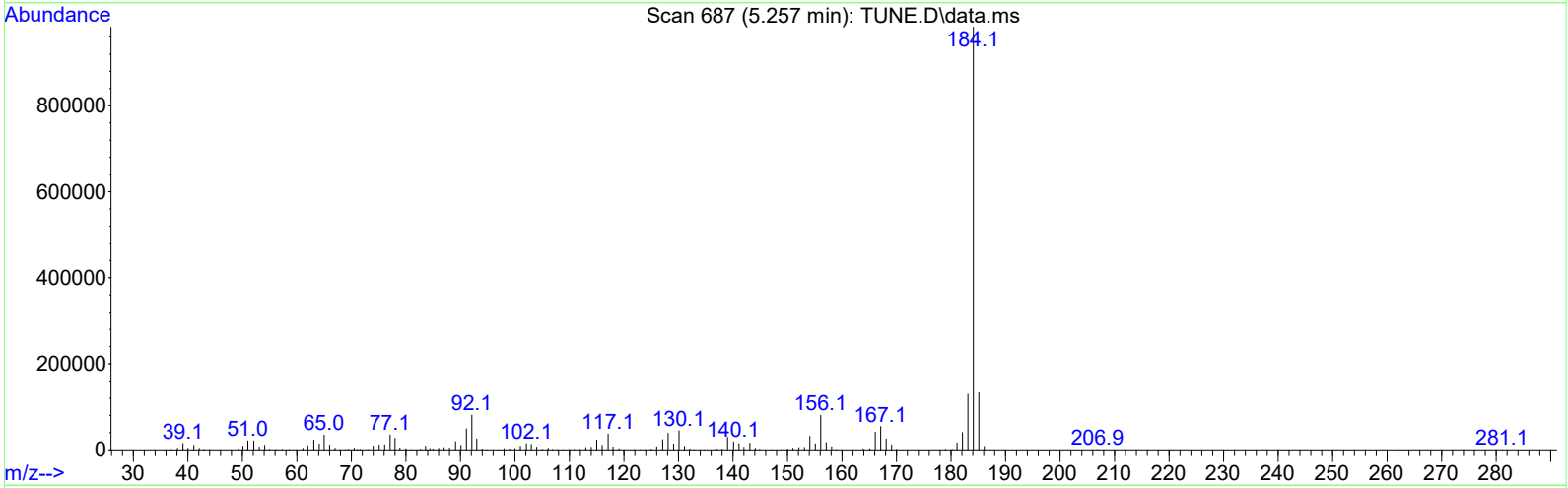
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.73
165.10	53.30	50.75
199.10	17.10	14.98

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.257min (+ 0.048) 74.21

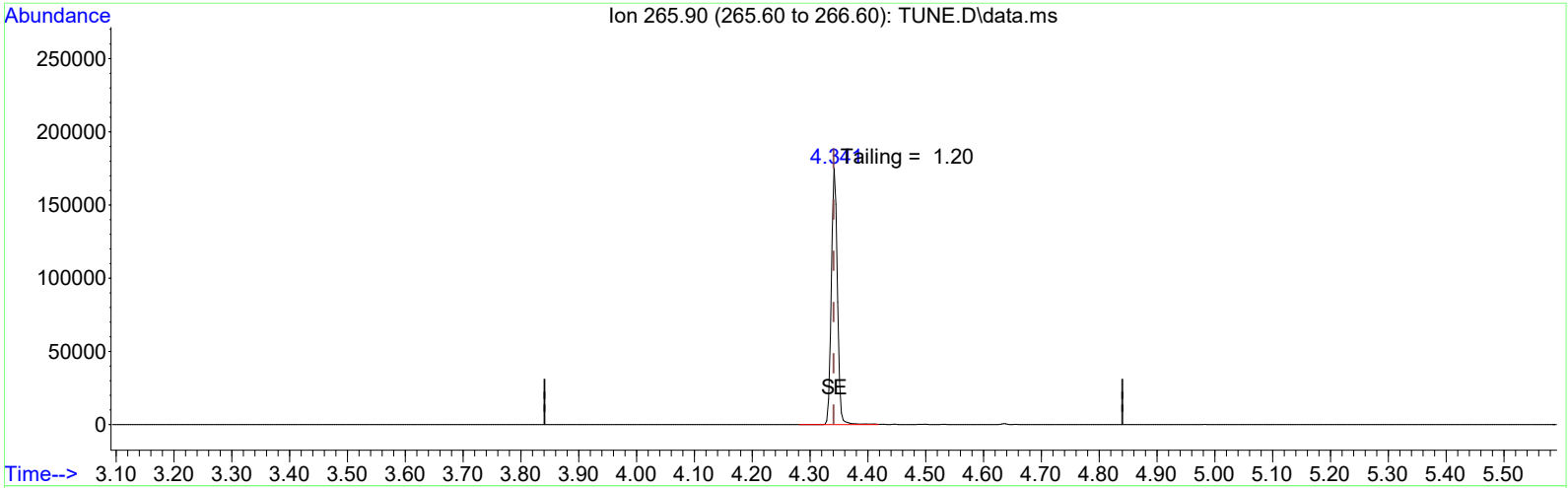
response 755442

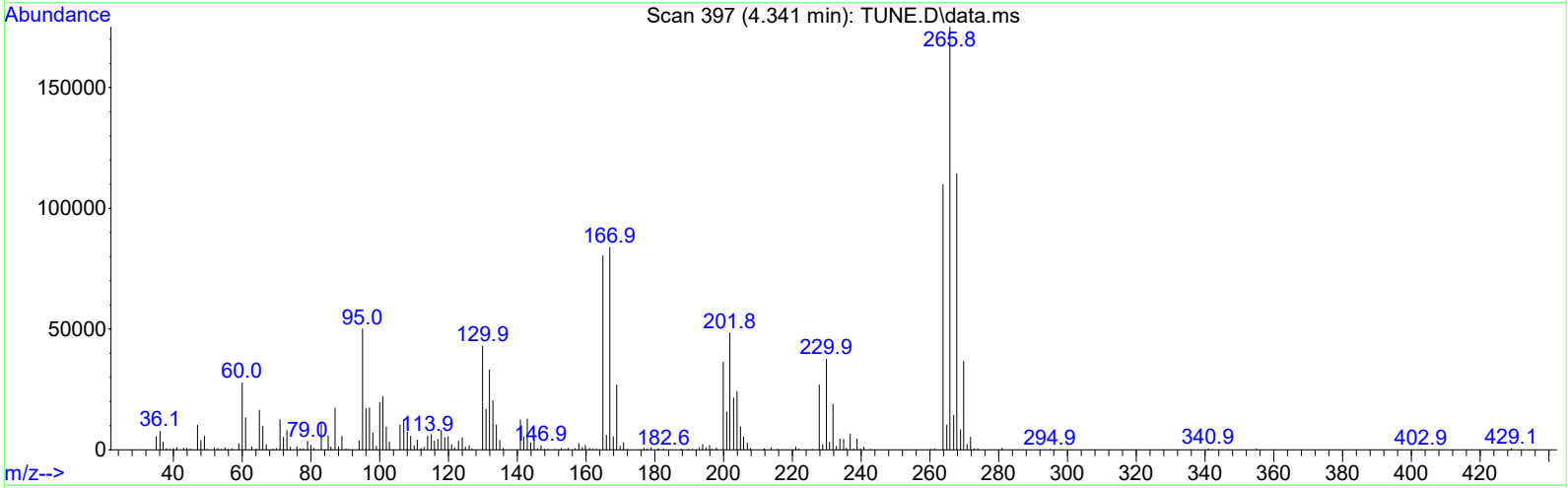
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.341min (+ 0.000) 60.65

response 127382

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.882	152	182102	4000.000	ng/ml	-0.02
Standard Area 1 = 186265			Recovery = 97.77%			
8) Naphthalene-d8	2.533	136	694866	4000.000	ng/ml	-0.02
Standard Area 1 = 691724			Recovery = 100.45%			
17) Acenaphthene-d10	3.498	164	422066	4000.000	ng/ml	-0.01
Standard Area 1 = 424015			Recovery = 99.54%			
22) Phenanthrene-d10	4.324	188	983453	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 95.70%			
31) Chrysene-d12	5.941	240	892849M6	4000.000	ng/ml	0.10
Standard Area 1 = 965951			Recovery = 92.43%			
36) Perylene-d12	6.919	264	1084648M2	4000.000	ng/ml	0.14
Standard Area 1 = 979854			Recovery = 110.69%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.313	112	264903	4123.822	ng/ml	-0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 206.19%#			
3) Phenol-d6	1.713	99	364059	4493.489	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 224.67%#			
7) Nitrobenzene-d5	2.161	82	319320	4493.176	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 449.32%#			
13) 2-Fluorobiphenyl	3.131	172	655438	3648.606	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 364.86%#			
21) 2,4,6-Tribromophenol	3.938	330	134058	4549.052	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 227.45%#			
30) 4-Terphenyl-d14	5.279	244	972551	3577.262	ng/ml	0.04
Spiked Amount 2000.000	Range 30 - 130		Recovery = 178.86%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.758	93	275370	4230.502	ng/ml	99
5) n-nitrosodi-n-propylamine	2.088	70	241235	4834.229	ng/ml	99
6) Hexachloroethane	2.129	117	125966	4169.320	ng/ml	100
9) Naphthalene	2.544	128	796569	4139.539	ng/ml	99
10) Hexachlorobutadiene	2.618	225	171911	3992.228	ng/ml	100
11) 2-Methylnaphthalene	2.921	142	593407	4115.899	ng/ml	98
12) 1-Methylnaphthalene	2.975	142	546976	3924.914	ng/ml	98
14) 2-Chloronaphthalene	3.189	162	626560	4033.688	ng/ml	99
15) 2,6-Dinitrotoluene	3.396	165	185920M4	4444.978	ng/ml	
16) Acenaphthylene	3.417	152	991190	3994.067	ng/ml	100
18) Acenaphthene	3.515	153	623165	4229.846	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.621	165	256294	4542.669	ng/ml	98
20) Fluorene	3.803	166	750934	3867.188	ng/ml	96
23) 4,6-Dinitro-o-cresol	3.850	198	196403	4975.528	ng/ml	98
24) Hexachlorobenzene	4.116	284	254877	3774.456	ng/ml	98
25) Pentachlorophenol	4.229	266	212303	4334.686	ng/ml	100
26) Phenanthrene	4.339	178	1166478	4079.939	ng/ml	99
27) Anthracene	4.367	178	1224962	4146.825	ng/ml	98
28) Fluoranthene	5.032	202	1418253M3	3612.649	ng/ml	
29) Pyrene	5.167	202	1469416	3612.041	ng/ml	99
32) Benzo[a]anthracene	5.932	228	1644077M3	4897.958	ng/ml	
33) 3,3'-Dichlorobenzene	5.934	252	645828M4	4735.874	ng/ml	
34) Chrysene	5.959	228	1544132M3	4646.782	ng/ml	
35) Bis(2-ethylhexyl)phtha...	5.997	149	1207751M6	4951.264	ng/ml	
37) Benzo[b]fluoranthene	6.636	252	1692321M3	3767.103	ng/ml	
38) Benzo[k]fluoranthene	6.657	252	1550840M4	3736.742	ng/ml	
39) Benzo[a]pyrene	6.871	252	1613200M2	4054.525	ng/ml	
40) Indeno[1,2,3-cd]pyrene	7.865	276	1833451M2	4558.453	ng/ml	
41) Dibenzo[a,h]anthracene	7.899	278	1566122M6	4371.174	ng/ml	
42) Benzo[g,h,i]perylene	8.141	276	1717170M2	4340.469	ng/ml	

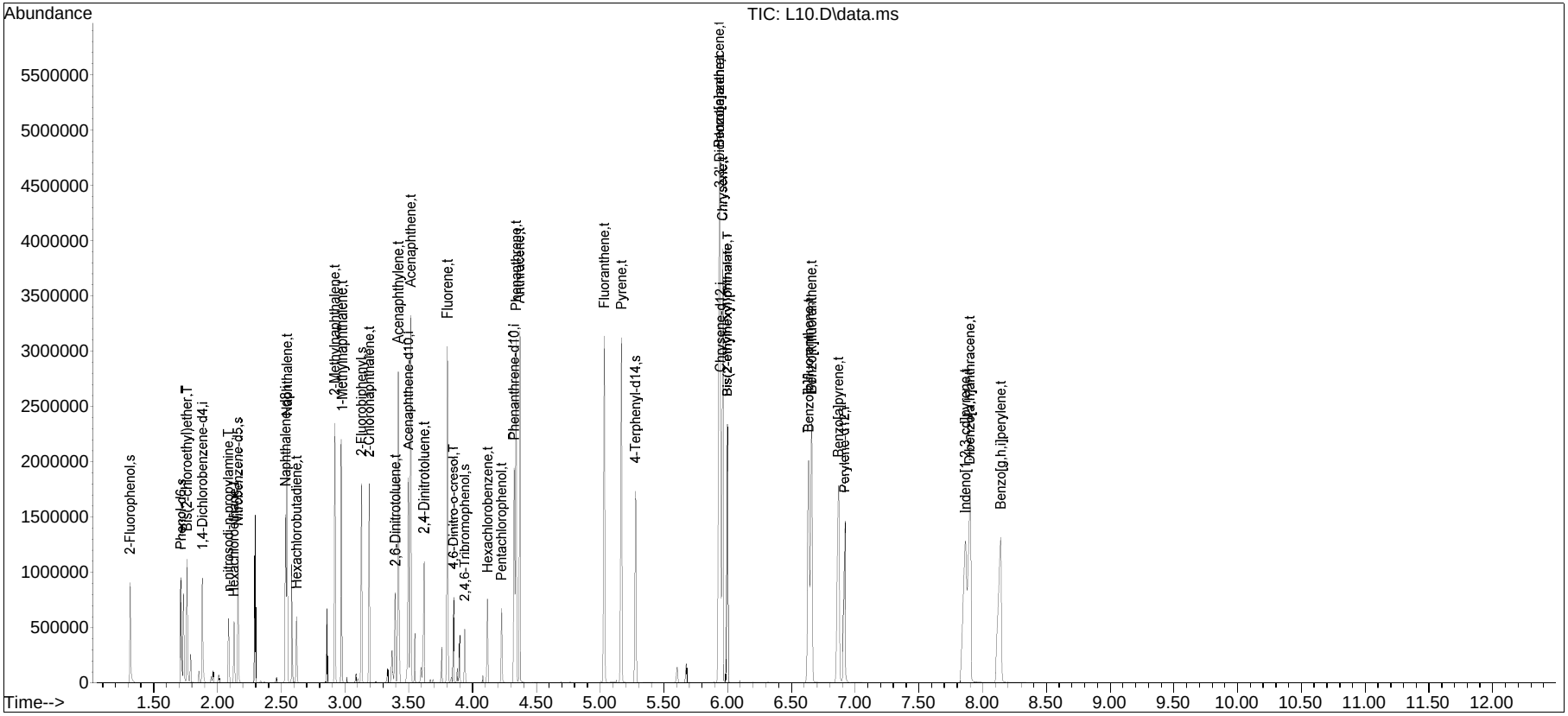
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

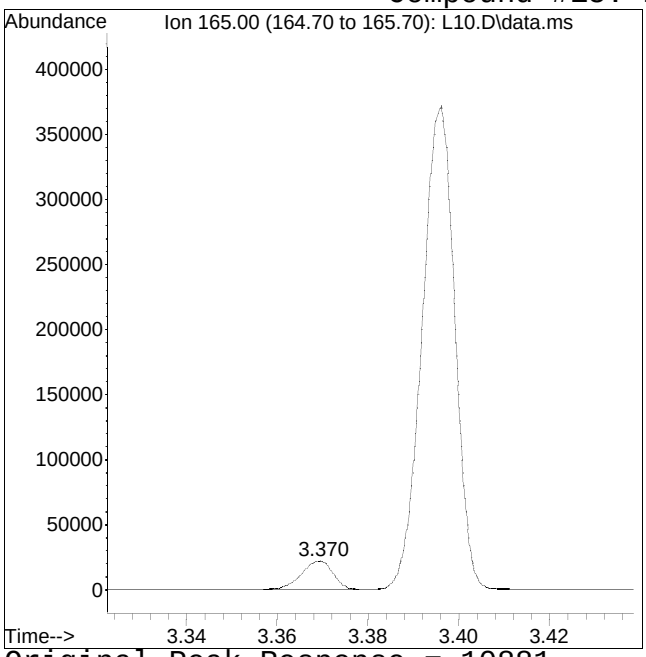
Sub List : Default - All compounds listedical\L8.D•



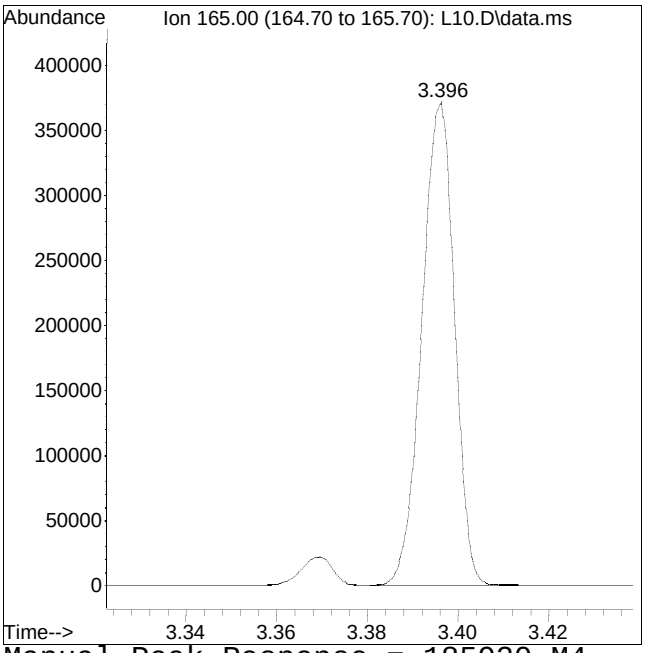
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 10881



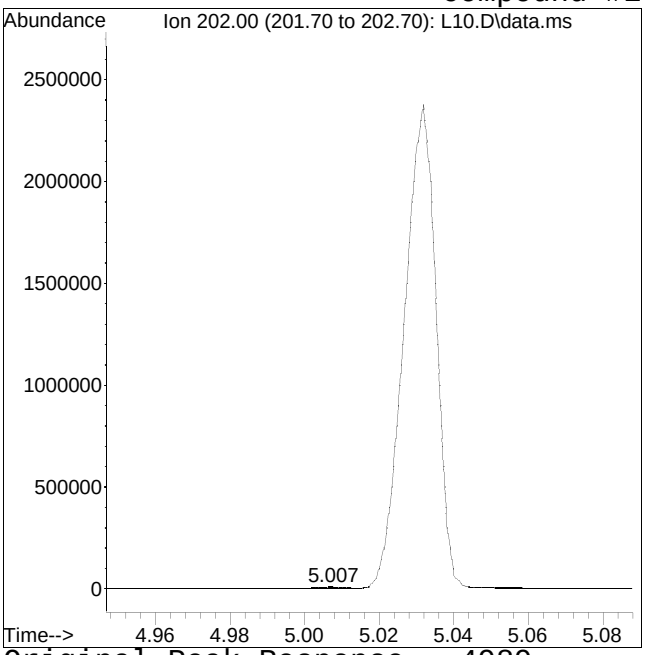
Manual Peak Response = 185920 M4

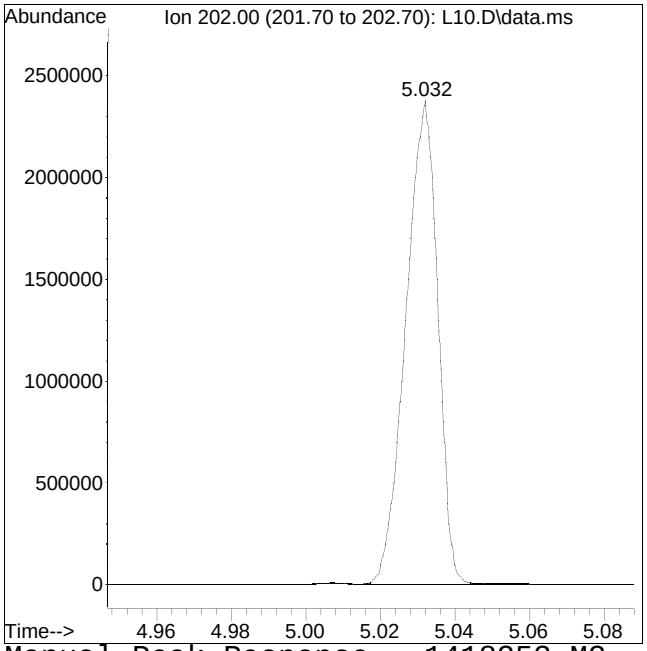
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #28: Fluoranthene



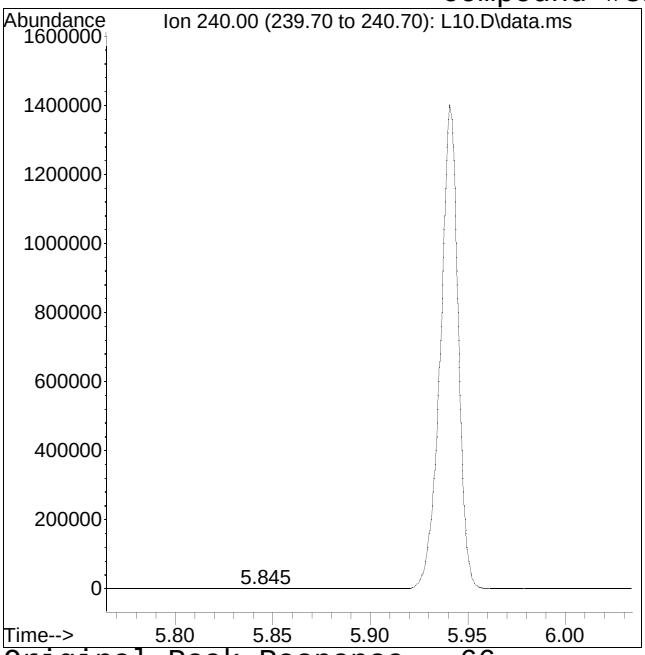


Original Peak Response = 4989 Manual Peak Response = 1418253 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

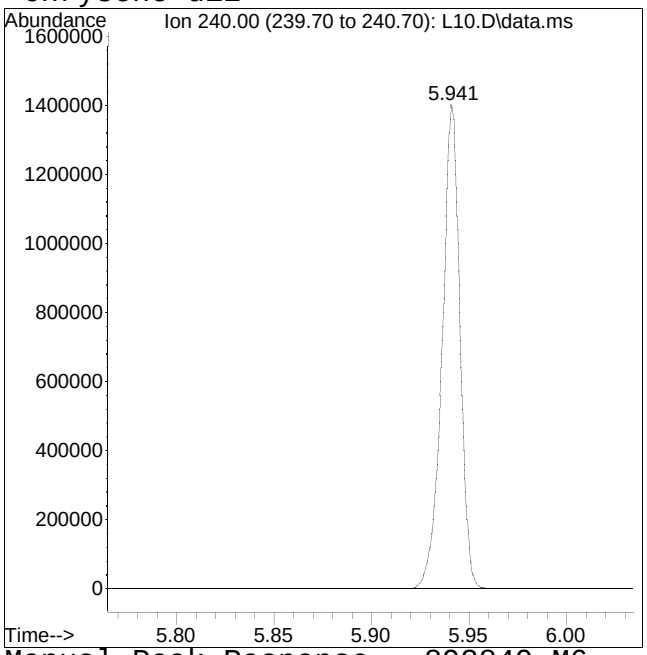
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #31: Chrysene-d12



Original Peak Response = 66



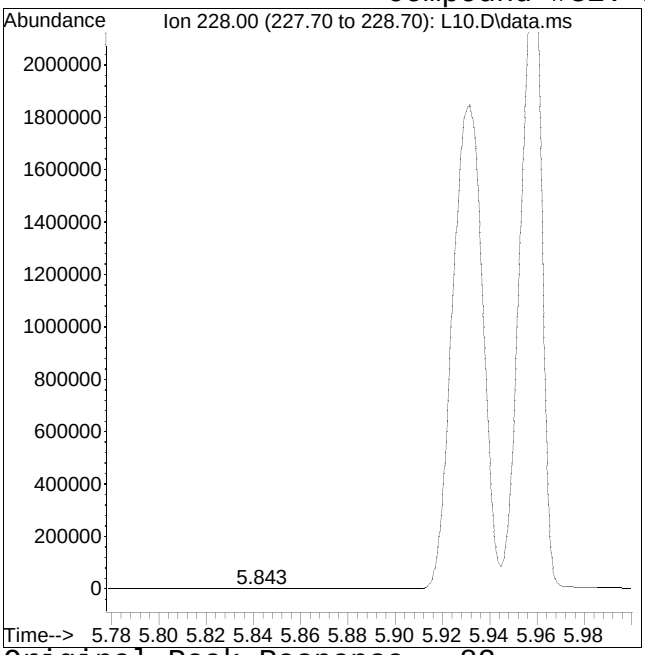
Manual Peak Response = 892849 M6

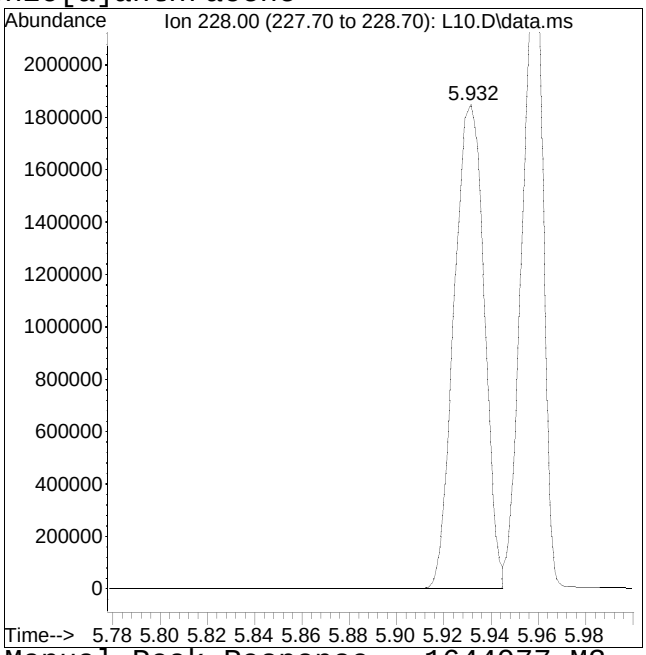
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #32: Benzo[a]anthracene



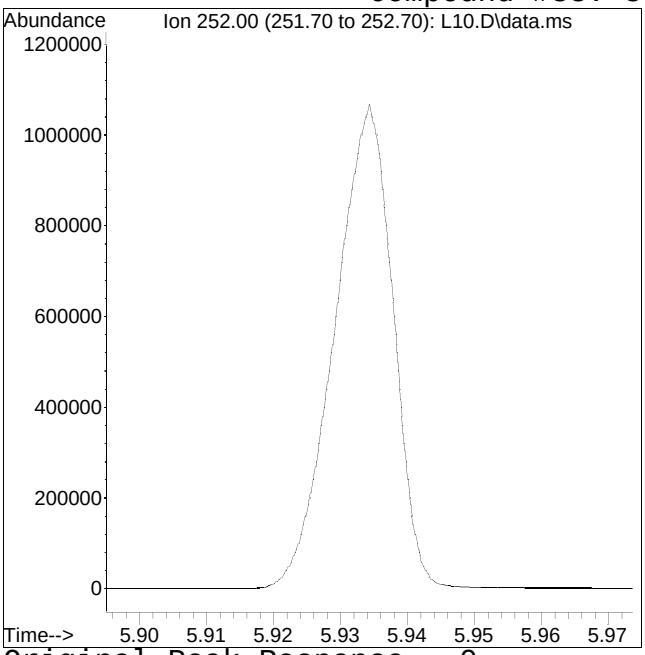


Original Peak Response = 82 Manual Peak Response = 1644077 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

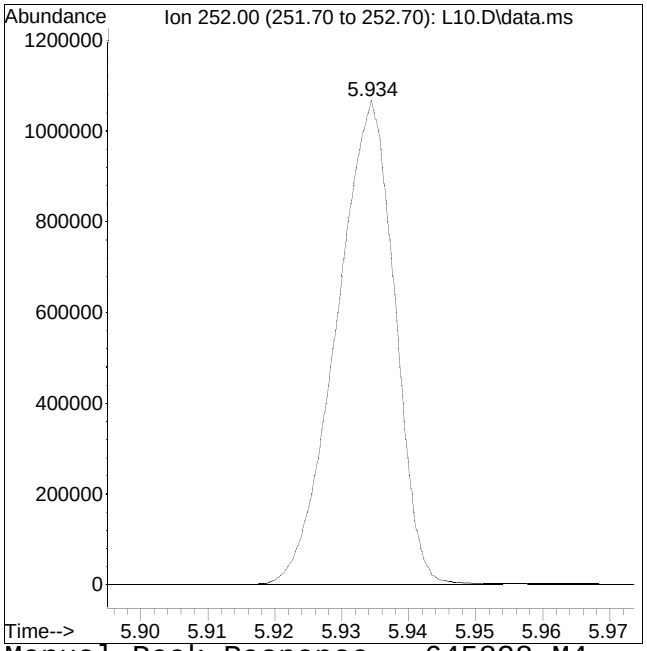
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #33: 3,3'-Dichlorobenzene



Original Peak Response = 0



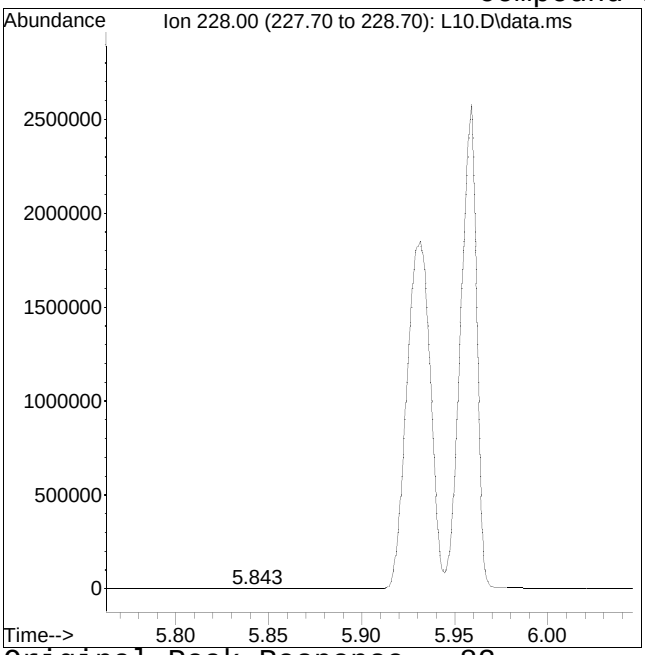
Manual Peak Response = 645828 M4

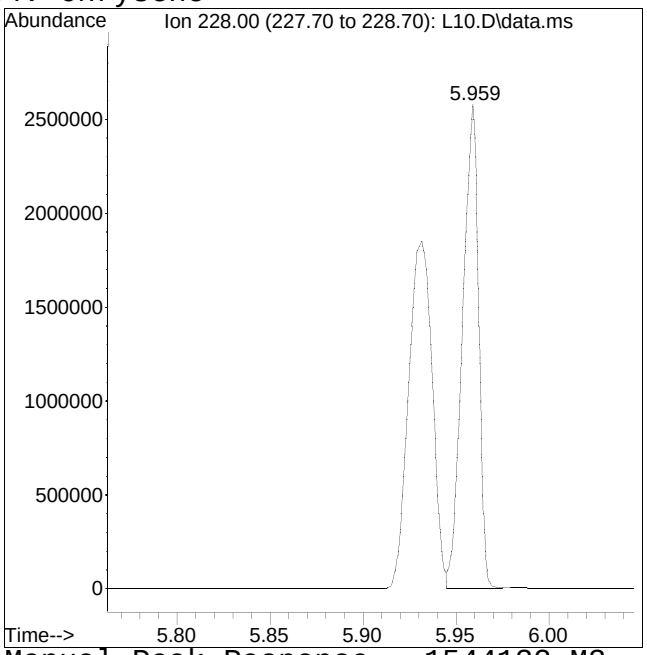
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #34: Chrysene



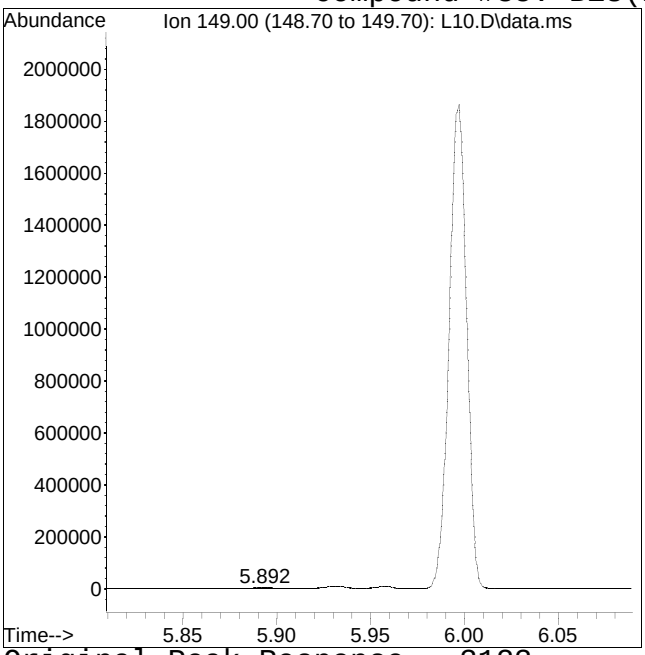


Original Peak Response = 82 Manual Peak Response = 1544132 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

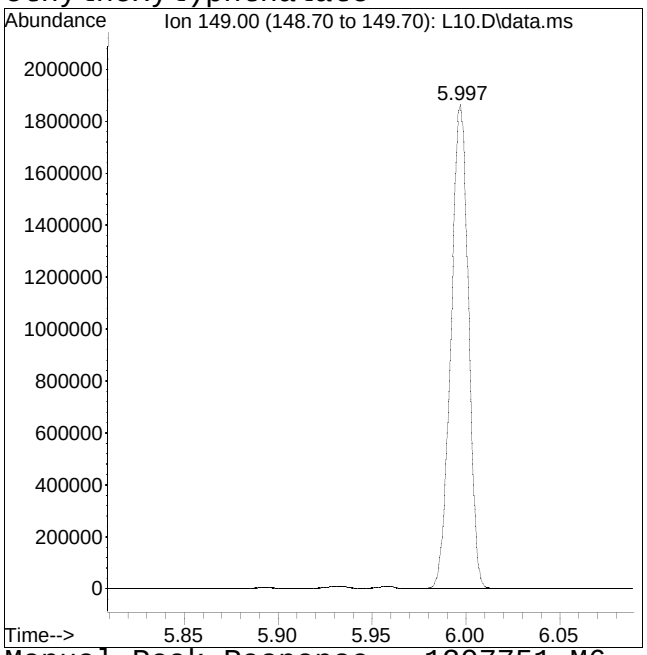
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 3123



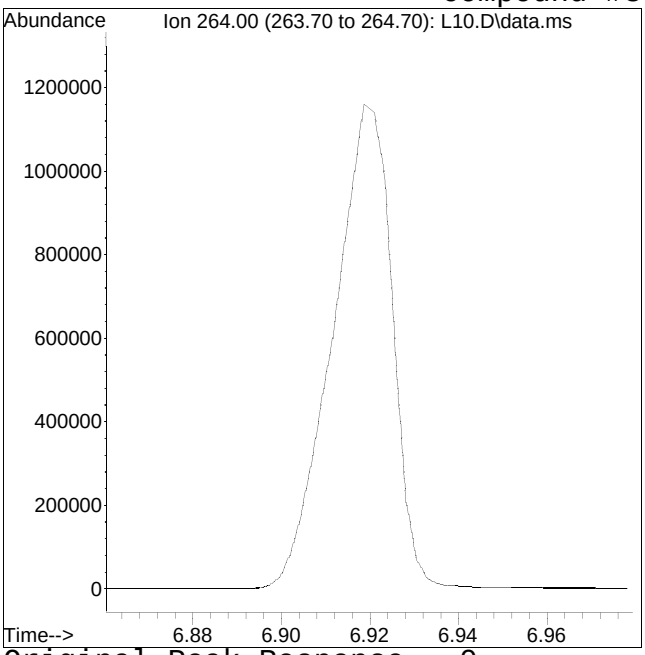
Manual Peak Response = 1207751 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

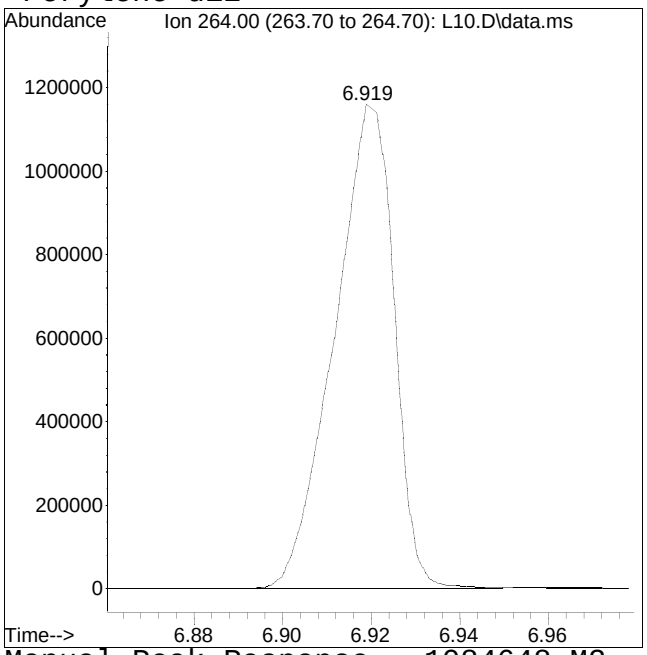
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #36: Perylene-d12



Original Peak Response = 0



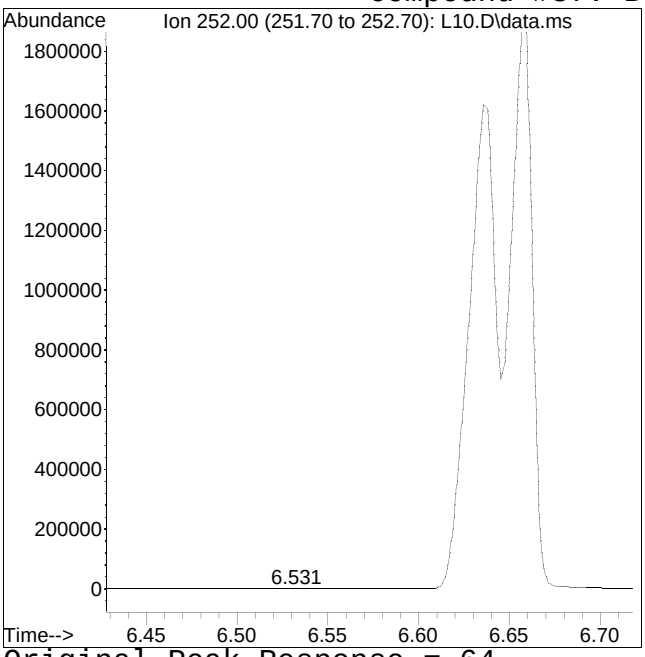
Manual Peak Response = 1084648 M2

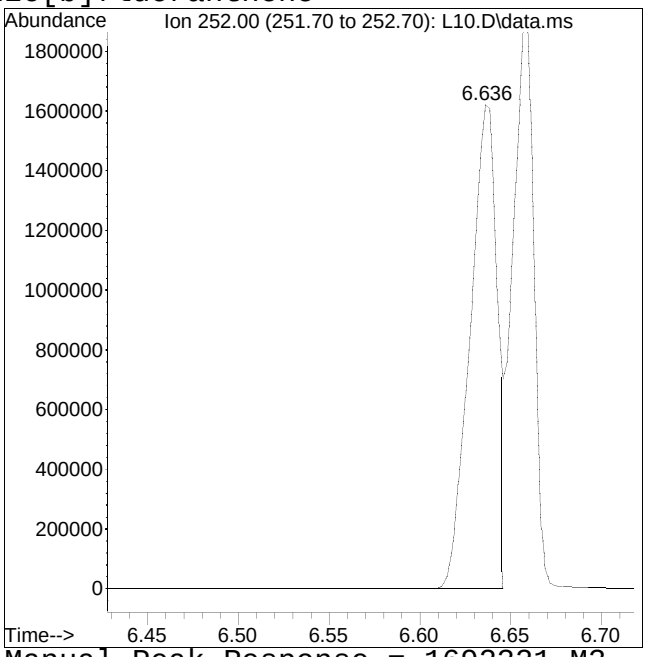
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #37: Benzo[b]fluoranthene



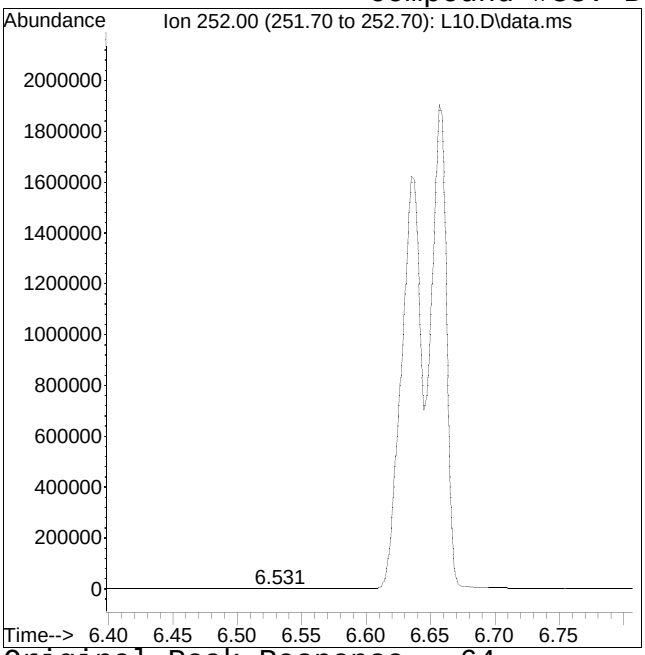


Original Peak Response = 64 Manual Peak Response = 1692321 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

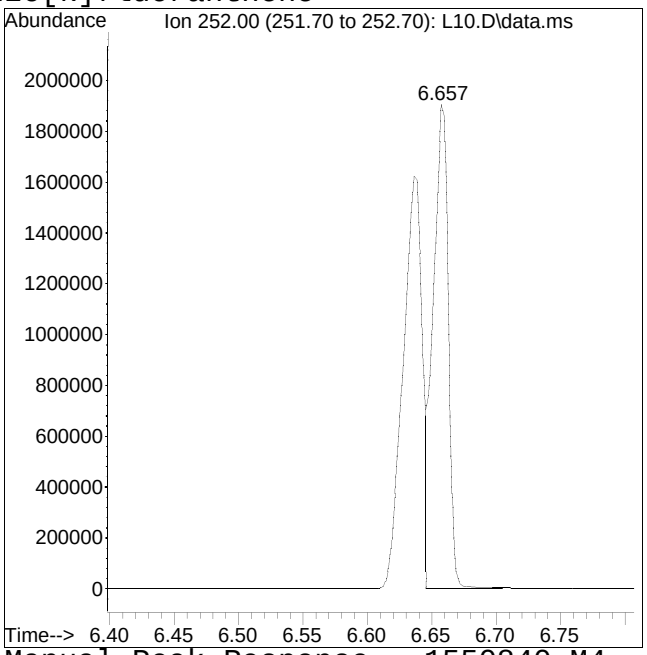
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 64



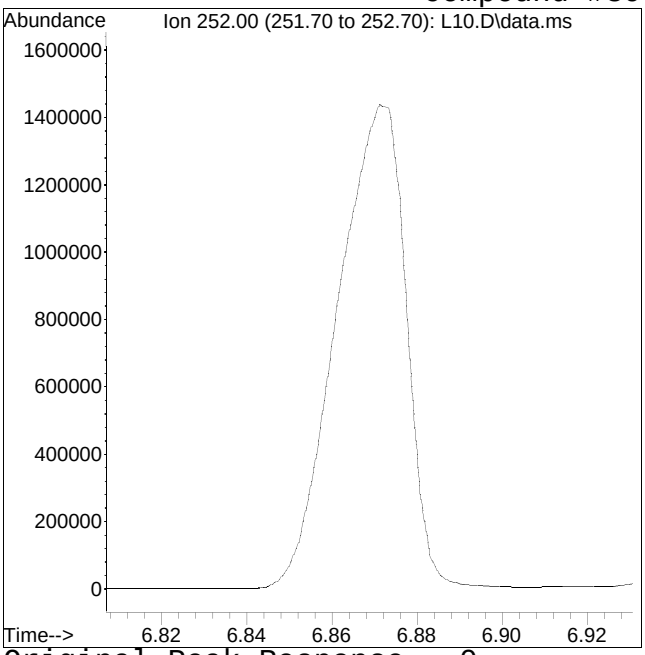
Manual Peak Response = 1550840 M4

M4 = Poor automated baseline construction.

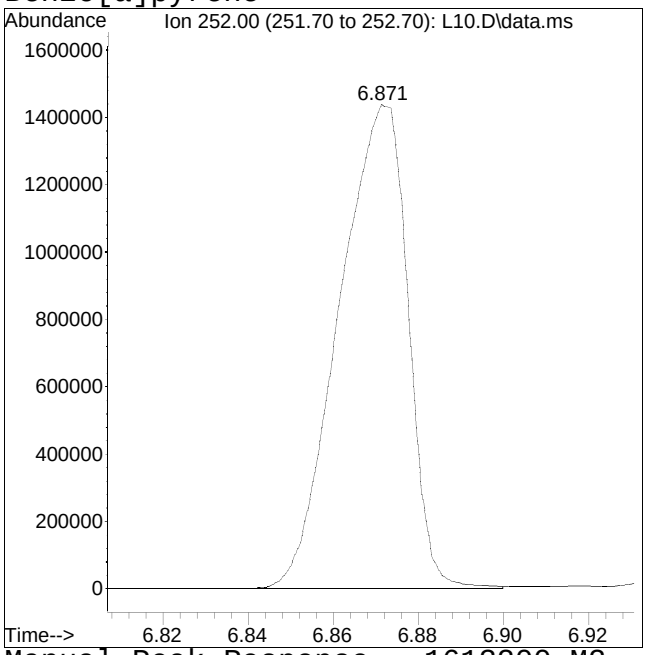
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #39: Benzo[a]pyrene



Original Peak Response = 0

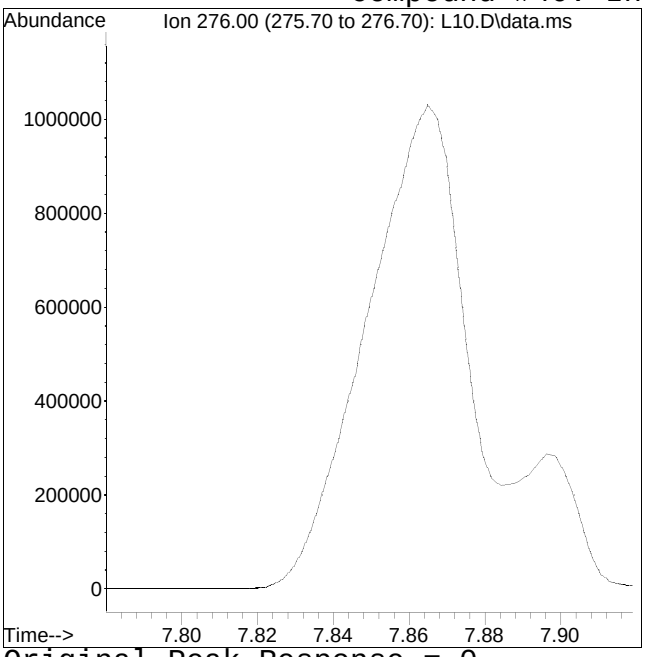


Manual Peak Response = 1613200 M2

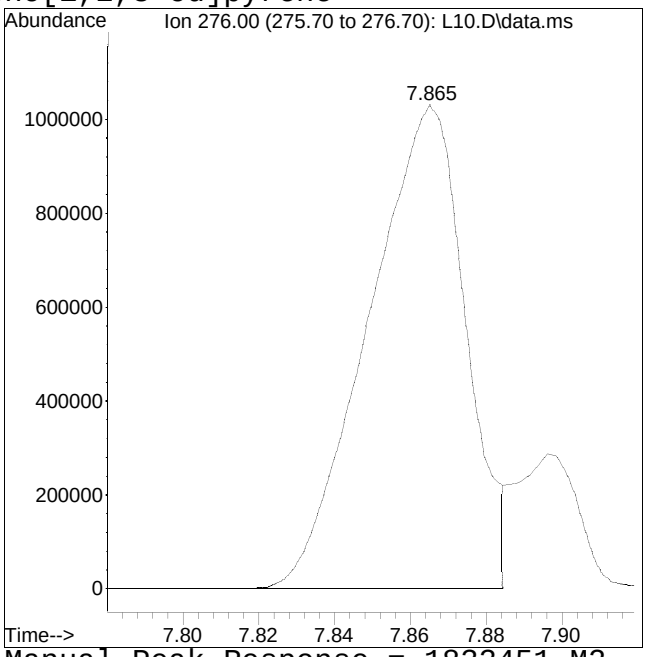
M2 = Peak not found by automatic integration algorithm.

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



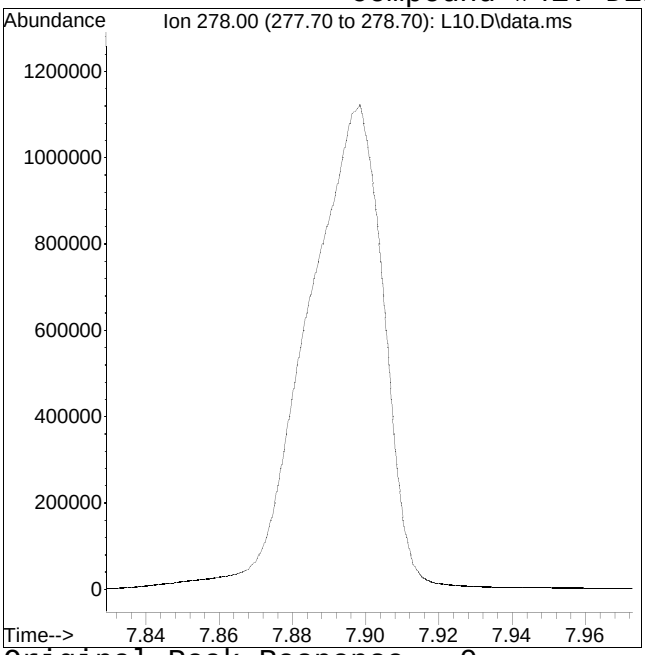
Manual Peak Response = 1833451 M2

M2 = Peak not found by automatic integration algorithm.

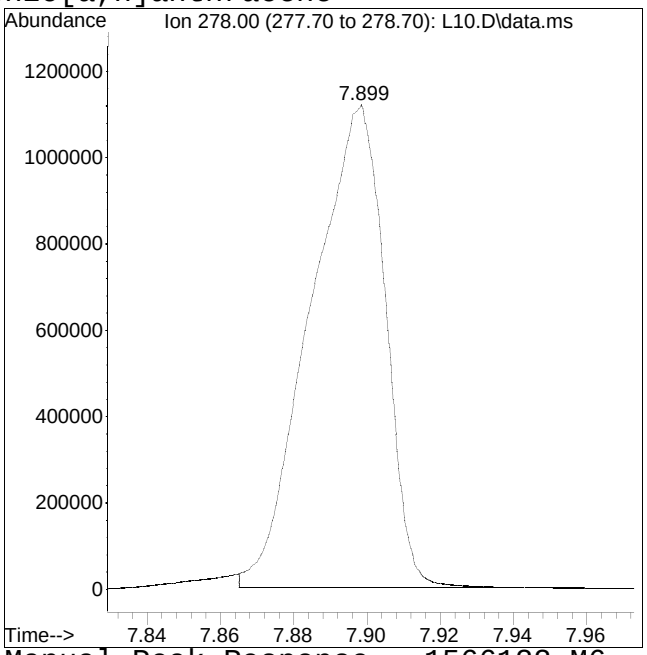
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



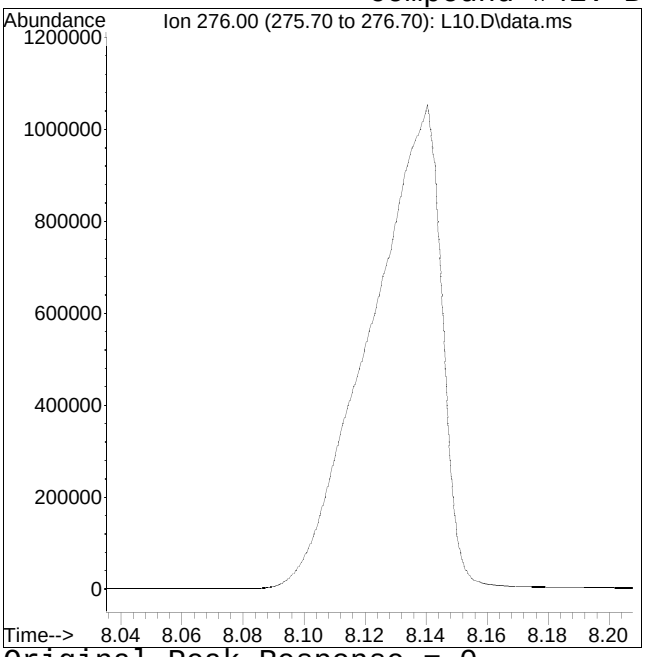
Manual Peak Response = 1566122 M6

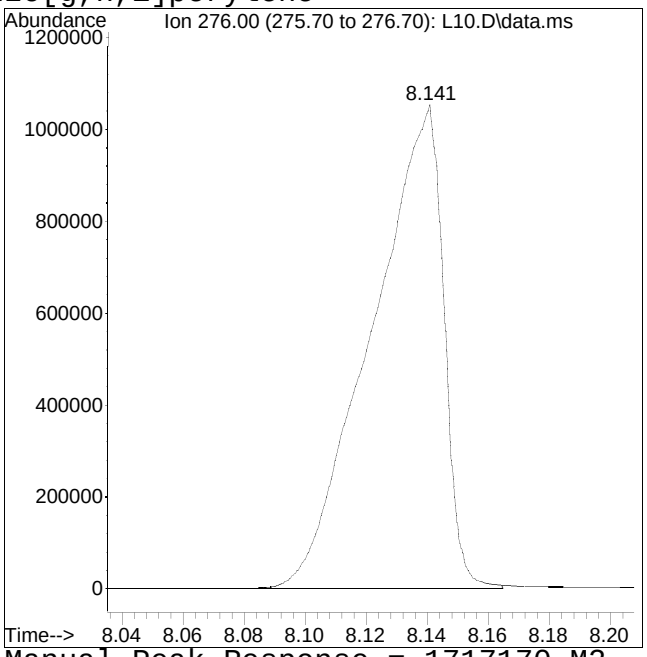
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 0 Manual Peak Response = 1717170 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.899	152	189146	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 101.55%			
8) Naphthalene-d8	2.546	136	722855	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 104.50%			
17) Acenaphthene-d10	3.506	164	456454	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 107.65%			
22) Phenanthrene-d10	4.330	188	1086397	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 105.72%			
31) Chrysene-d12	5.856	240	939463	4000.000	ng/ml	0.01
Standard Area 1 = 965951			Recovery = 97.26%			
36) Perylene-d12	6.800	264	986561	4000.000	ng/ml	0.02
Standard Area 1 = 979854			Recovery = 100.68%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.333	112	151735	2274.136	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 113.71%#			
3) Phenol-d6	1.731	99	206390	2452.551	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 122.63%#			
7) Nitrobenzene-d5	2.175	82	182270	2469.221	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 246.92%#			
13) 2-Fluorobiphenyl	3.140	172	393094	2103.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 210.35%#			
21) 2,4,6-Tribromophenol	3.946	330	81809	2566.922	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 128.35%#			
30) 4-Terphenyl-d14	5.240	244	578682	1926.830	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 96.34%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.777	93	155970	2306.927	ng/ml	99
5) n-nitrosodi-n-propylamine	2.105	70	137292	2648.803	ng/ml	100
6) Hexachloroethane	2.146	117	71406	2275.433	ng/ml	100
9) Naphthalene	2.557	128	454475	2270.327	ng/ml	100
10) Hexachlorobutadiene	2.632	225	98409	2196.830	ng/ml	100
11) 2-Methylnaphthalene	2.933	142	350789	2338.880	ng/ml	99
12) 1-Methylnaphthalene	2.985	142	321099	2214.883	ng/ml	99
14) 2-Chloronaphthalene	3.198	162	368102	2278.021	ng/ml	100
15) 2,6-Dinitrotoluene	3.402	165	111600	2564.824	ng/ml	99
16) Acenaphthylene	3.425	152	592198	2293.904	ng/ml	100
18) Acenaphthene	3.523	153	367895	2309.025	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.626	165	155366	2546.314	ng/ml	99
20) Fluorene	3.809	166	461558	2197.876	ng/ml	98
23) 4,6-Dinitro-o-cresol	3.853	198	113818	2552.849	ng/ml	98
24) Hexachlorobenzene	4.121	284	157766	2114.960	ng/ml	99
25) Pentachlorophenol	4.235	266	124179	2486.234	ng/ml	99
26) Phenanthrene	4.343	178	703865	2228.597	ng/ml	99
27) Anthracene	4.370	178	745371	2284.182	ng/ml	99
28) Fluoranthene	5.009	202	869238	2004.360	ng/ml	99
29) Pyrene	5.134	202	881286	1961.055	ng/ml	100
32) Benzo[a]anthracene	5.845	228	883116	2496.432	ng/ml	100
33) 3,3'-Dichlorobenzene	5.844	252	360790	2514.410	ng/ml	99
34) Chrysene	5.870	228	841688	2407.228	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.900	149	654479	2556.429	ng/ml	99
37) Benzo[b]fluoranthene	6.515	252	866471	2120.526	ng/ml	99
38) Benzo[k]fluoranthene	6.534	252	782677	2073.355	ng/ml	99
39) Benzo[a]pyrene	6.750	252	795930	2199.336	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	7.746	276	846780	2314.641	ng/ml	98
41) Dibenzo[a,h]anthracene	7.777	278	737232M6	2262.255	ng/ml	
42) Benzo[g,h,i]perylene	8.014	276	802567	2230.332	ng/ml	100

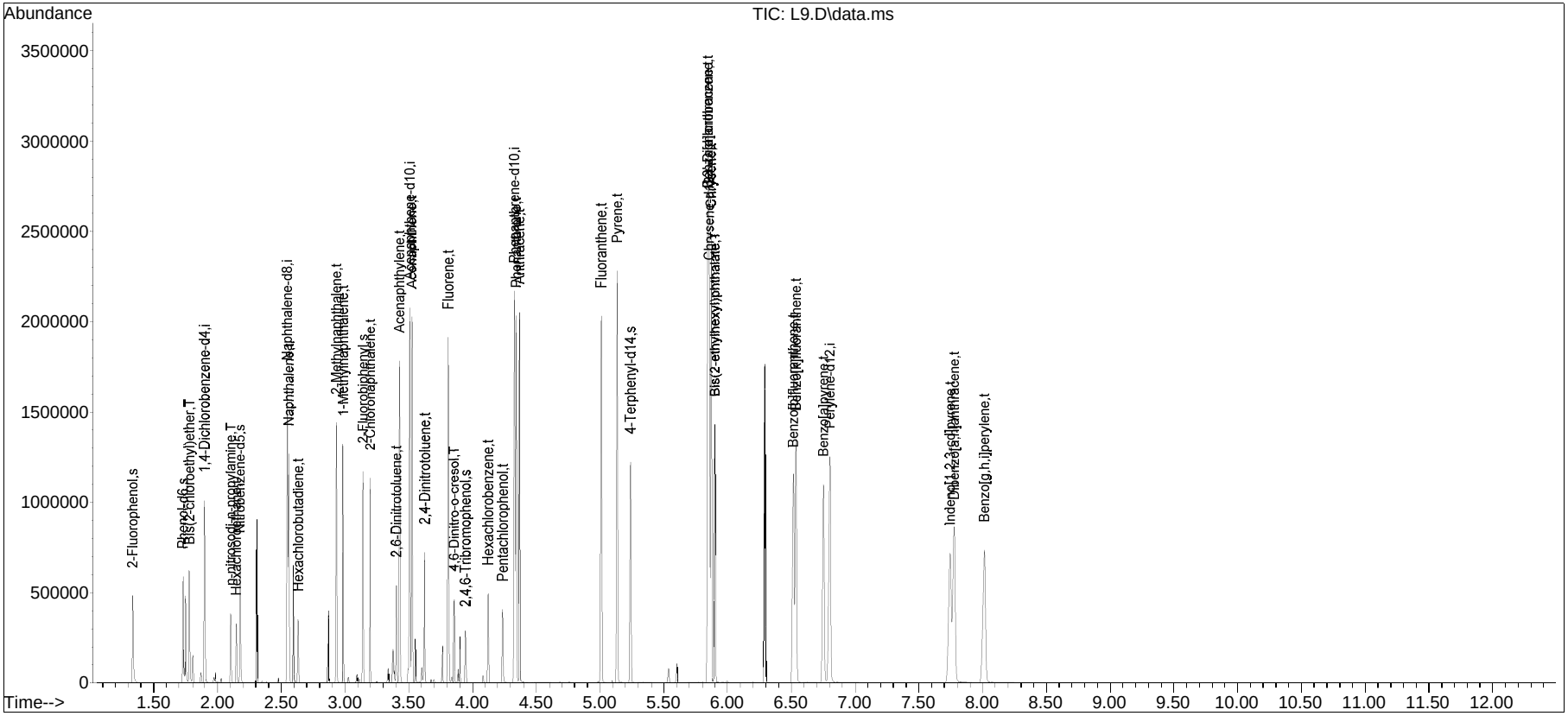
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

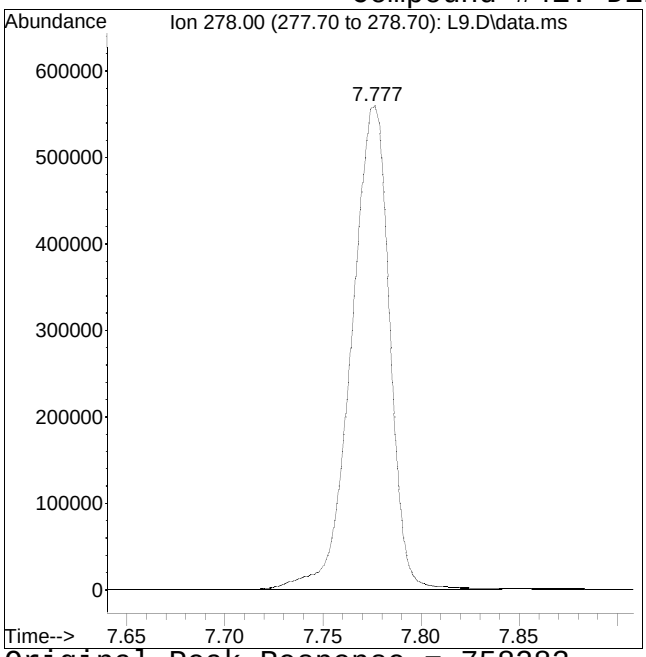
Sub List : Default - All compounds listedical\L8.D•



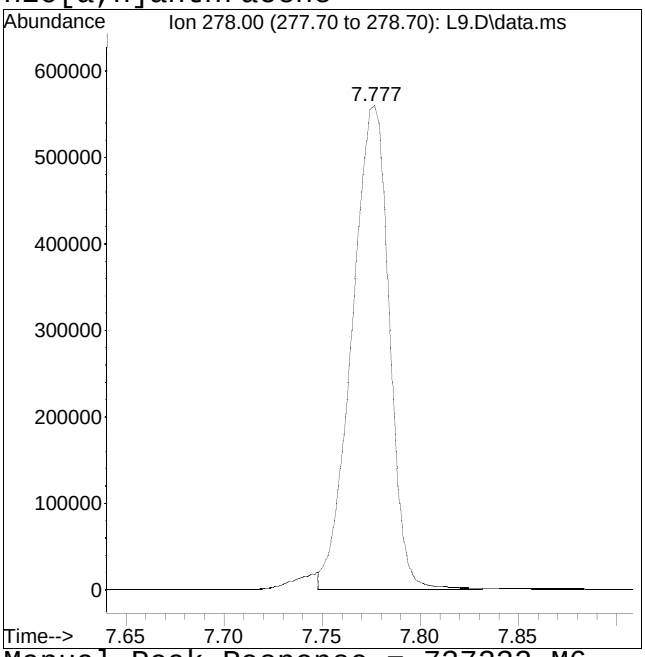
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L9.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:06 pm Instrument : SV119
Sample : IL9,32,, #10755 2500 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 758283



Manual Peak Response = 737232 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.904	152	186265	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 100.00%			
8) Naphthalene-d8	2.549	136	691724	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 100.00%			
17) Acenaphthene-d10	3.509	164	424015	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 100.00%			
22) Phenanthrene-d10	4.331	188	1027588	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 100.00%			
31) Chrysene-d12	5.841	240	965951	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 100.00%			
36) Perylene-d12	6.781	264	979854	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.339	112	65627M2	998.801	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.94%			
3) Phenol-d6	1.736	99	86170	1039.804	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.99%			
7) Nitrobenzene-d5	2.181	82	75891M3	1044.001	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.40%			
13) 2-Fluorobiphenyl	3.143	172	169529M3	947.998	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.80%			
21) 2,4,6-Tribromophenol	3.947	330	32775	1107.057	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.35%			
30) 4-Terphenyl-d14	5.235	244	263650	928.113	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.41%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.782	93	66261	995.215	ng/ml	100
5) n-nitrosodi-n-propylamine	2.108	70	53783	1053.696	ng/ml	100
6) Hexachloroethane	2.152	117	30066	972.906	ng/ml	100
9) Naphthalene	2.560	128	187504	978.830	ng/ml	100
10) Hexachlorobutadiene	2.637	225	41300	963.452	ng/ml	100
11) 2-Methylnaphthalene	2.936	142	146502M3	1020.760	ng/ml	
12) 1-Methylnaphthalene	2.988	142	133700M3	963.744	ng/ml	
14) 2-Chloronaphthalene	3.200	162	152169M3	984.088	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2,6-Dinitrotoluene	3.403	165	44628M4	1071.813	ng/ml	
16) Acenaphthylene	3.426	152	244662M3	990.360	ng/ml	
18) Acenaphthene	3.526	153	147231	994.764	ng/ml	100
19) 2,4-Dinitrotoluene	3.627	165	63132M3	1113.836	ng/ml	
20) Fluorene	3.812	166	191121M3	979.718	ng/ml	
23) 4,6-Dinitro-o-cresol	3.854	198	41899	991.493	ng/ml	100
24) Hexachlorobenzene	4.122	284	67031	950.023	ng/ml	100
25) Pentachlorophenol	4.235	266	45740	1037.550	ng/ml	100
26) Phenanthrene	4.343	178	287629	962.818	ng/ml	100
27) Anthracene	4.370	178	309847	1003.864	ng/ml	100
28) Fluoranthene	5.005	202	383985M6	936.097	ng/ml	
29) Pyrene	5.132	202	392628	923.685	ng/ml	100
32) Benzo[a]anthracene	5.833	228	390189	1068.137	ng/ml	100
33) 3,3'-Dichlorobenzene	5.831	252	159447	1080.743	ng/ml	100
34) Chrysene	5.856	228	366215	1018.654	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.887	149	264818M3	1014.123	ng/ml	
37) Benzo[b]fluoranthene	6.493	252	396025	975.831	ng/ml	100
38) Benzo[k]fluoranthene	6.512	252	343688M3	916.680	ng/ml	
39) Benzo[a]pyrene	6.729	252	352937	981.921	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	7.721	276	363376M2	1000.073	ng/ml	
41) Dibenzo[a,h]anthracene	7.750	278	315703M6	975.391	ng/ml	
42) Benzo[g,h,i]perylene	7.990	276	342280M2	957.706	ng/ml	

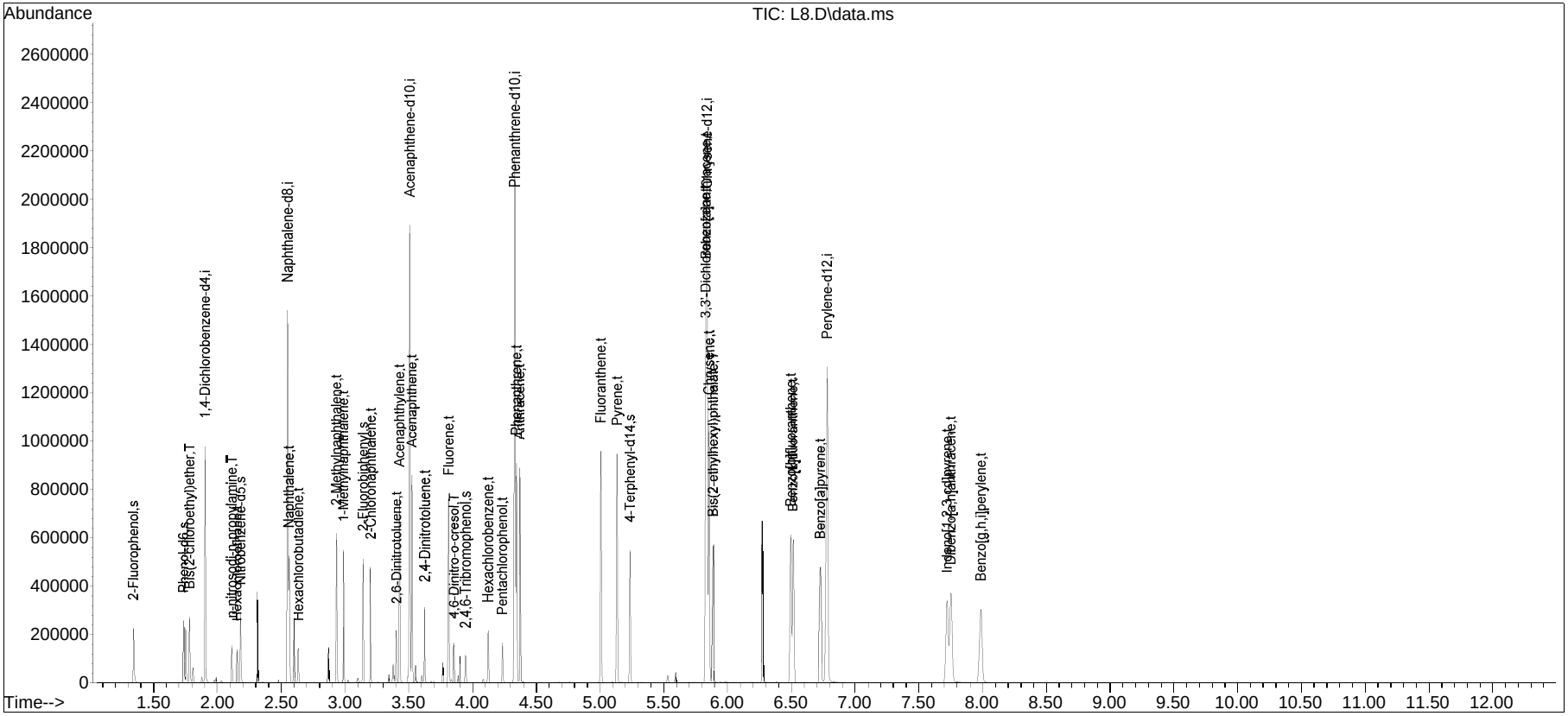
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

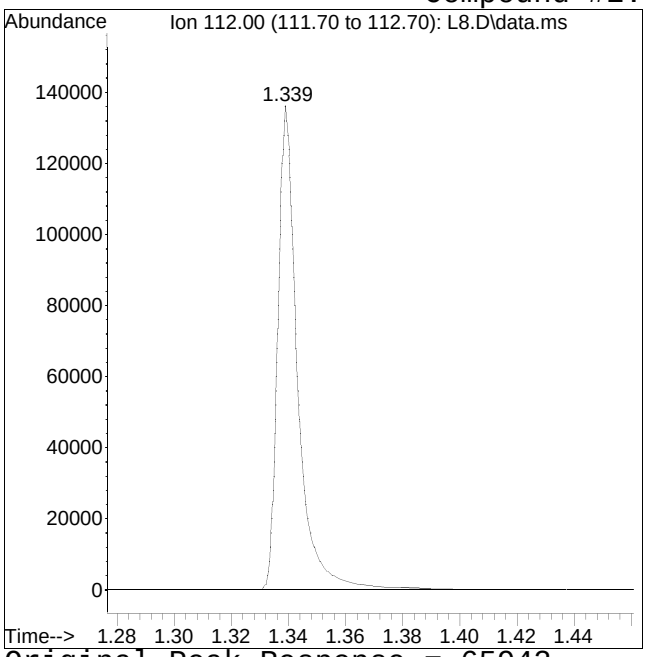
Sub List : Default - All compounds listedical\L8.D•



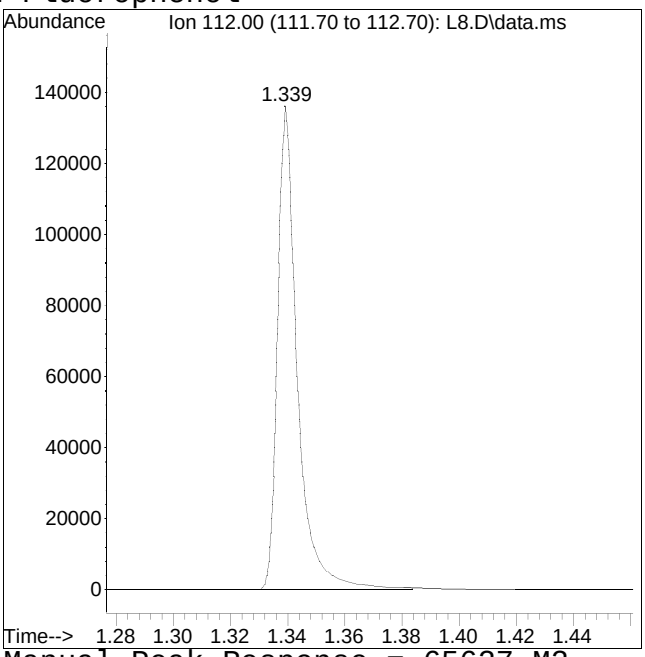
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #2: 2-Fluorophenol



Original Peak Response = 65942



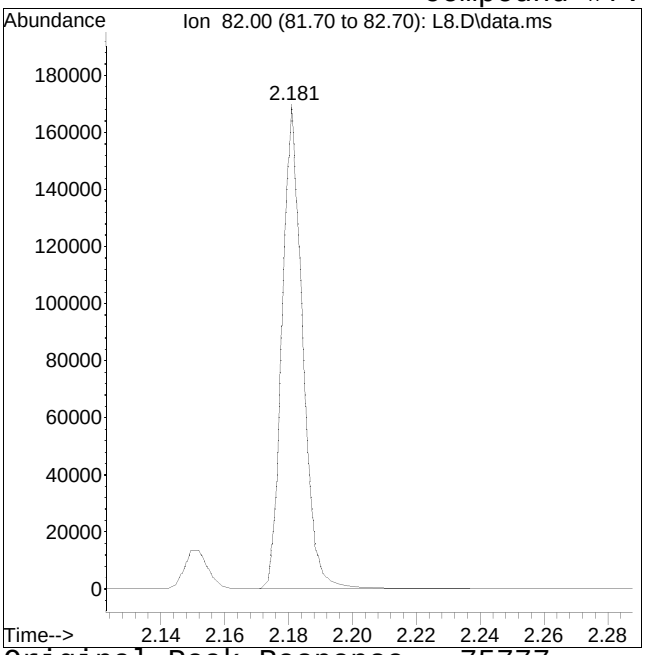
Manual Peak Response = 65627 M2

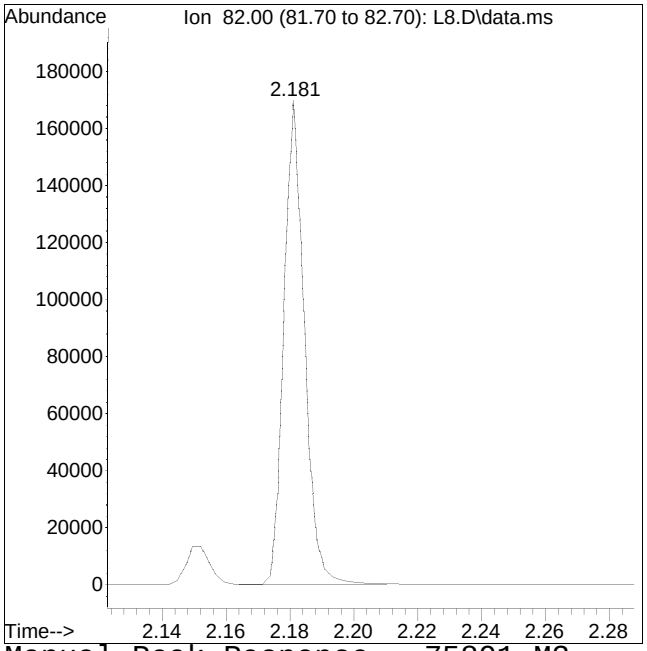
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #7: Nitrobenzene-d5



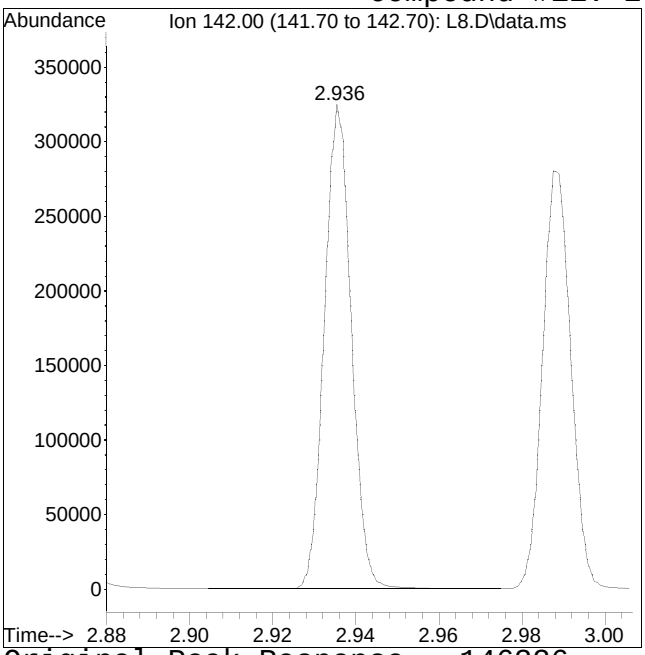


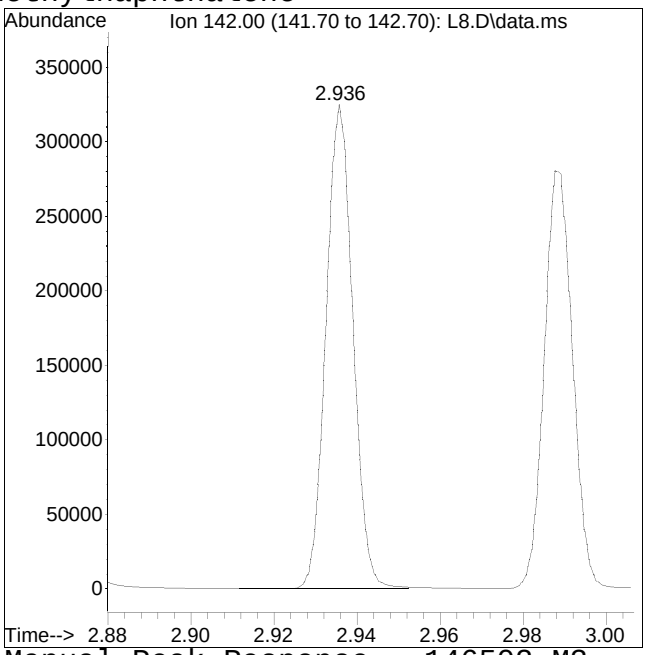
Original Peak Response = 75777 Manual Peak Response = 75891 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #11: 2-Methylnaphthalene





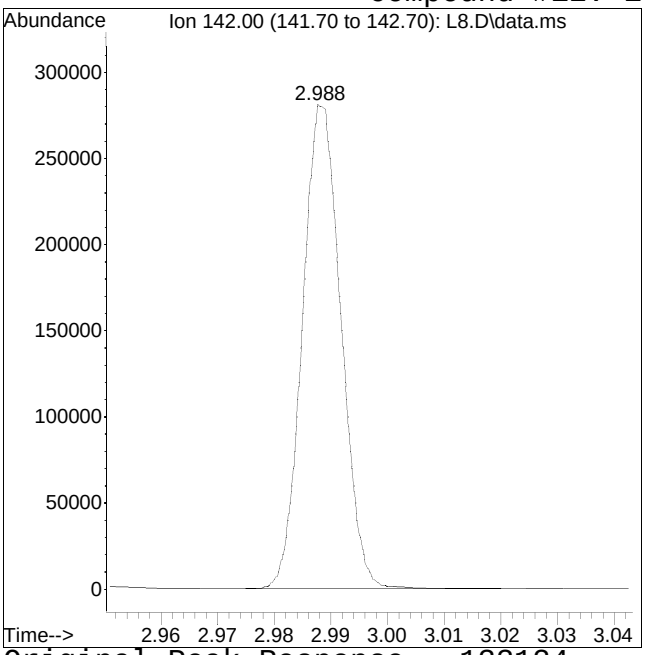
Original Peak Response = 146326 Manual Peak Response = 146502 M3

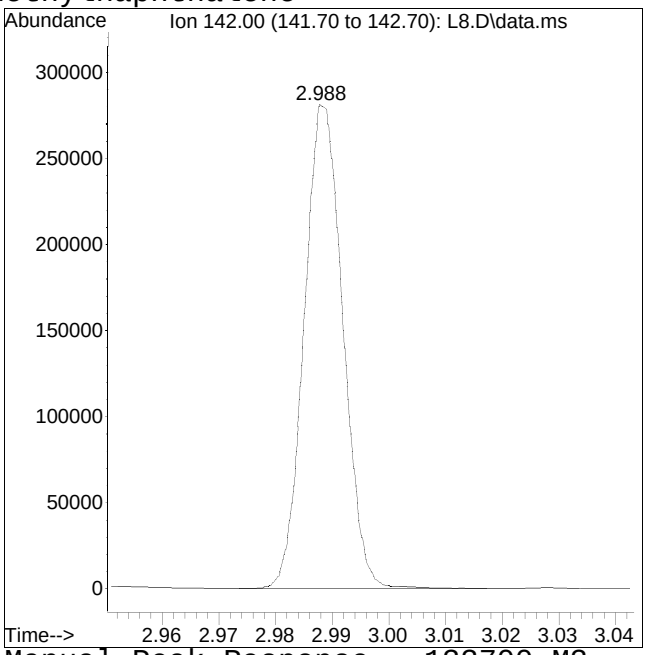
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #12: 1-Methylnaphthalene





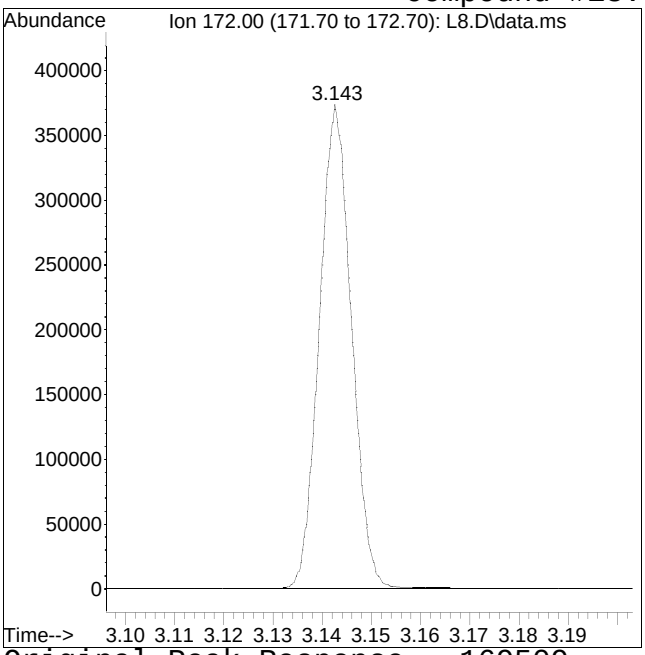
Original Peak Response = 133124 Manual Peak Response = 133700 M3

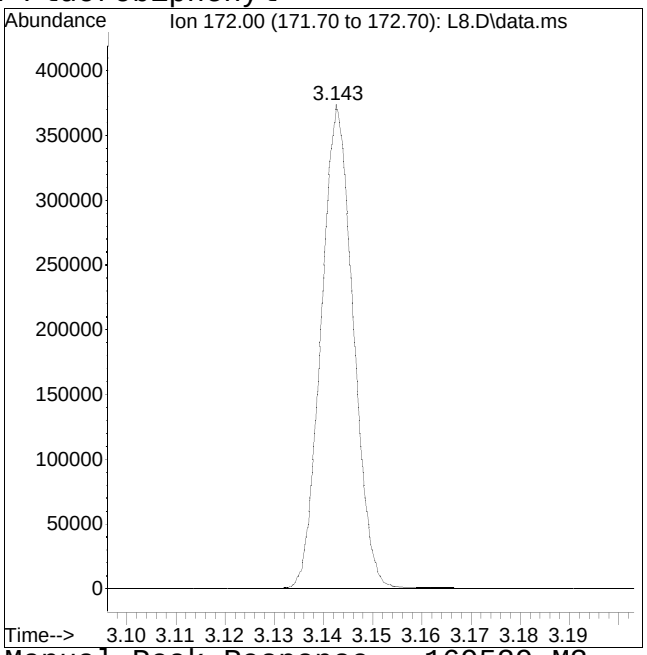
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #13: 2-Fluorobiphenyl





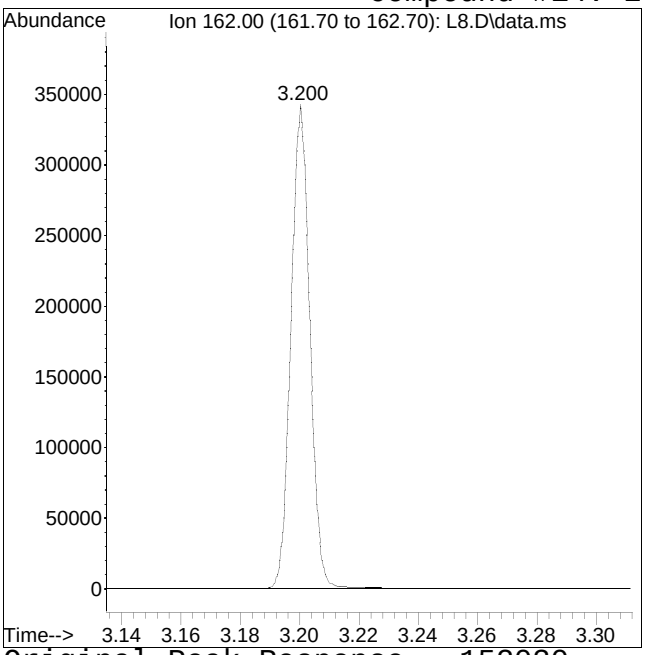
Original Peak Response = 169509 Manual Peak Response = 169529 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

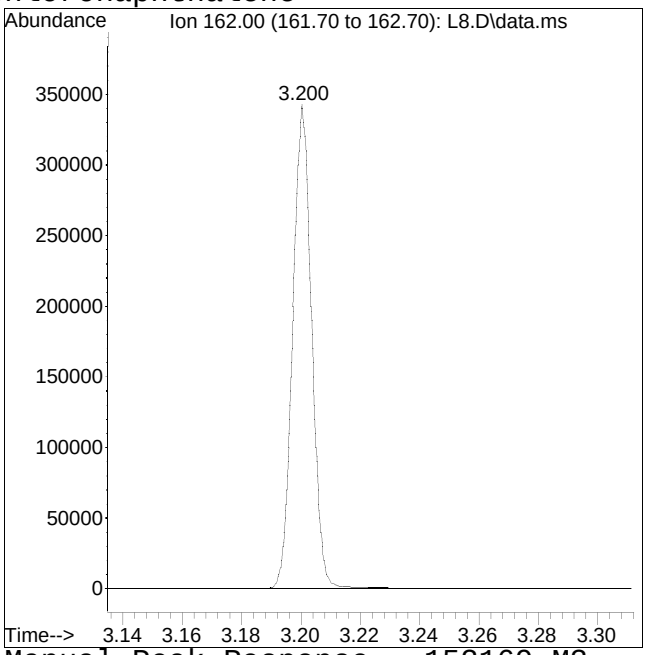
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #14: 2-Chloronaphthalene



Original Peak Response = 152030



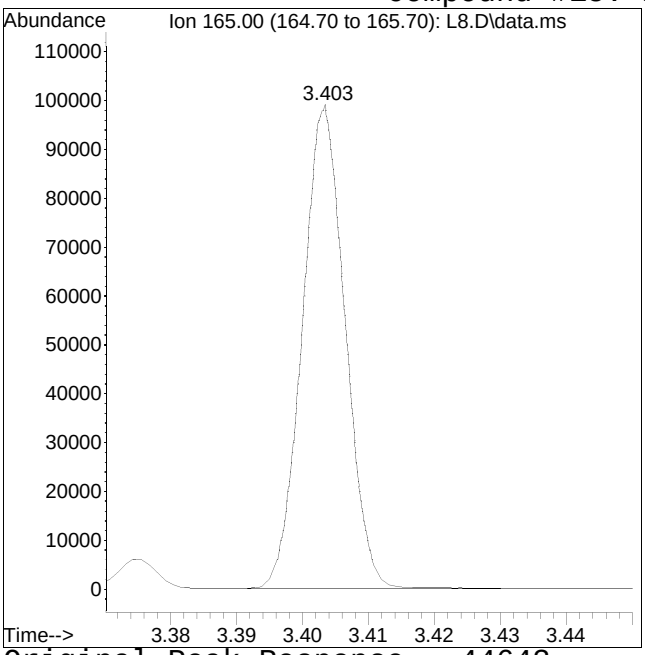
Manual Peak Response = 152169 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

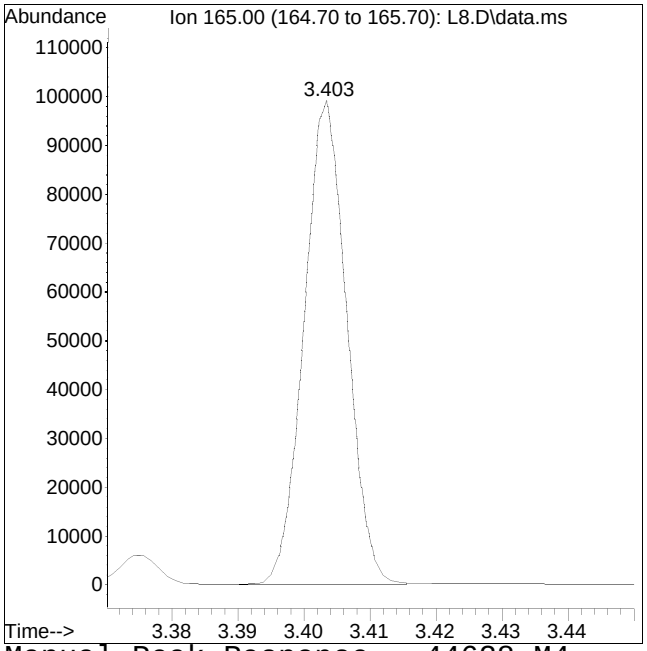
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 44643



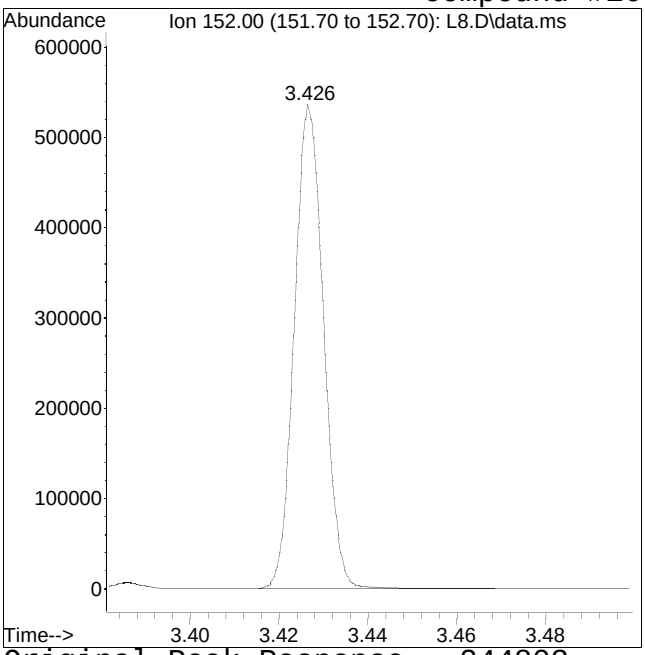
Manual Peak Response = 44628 M4

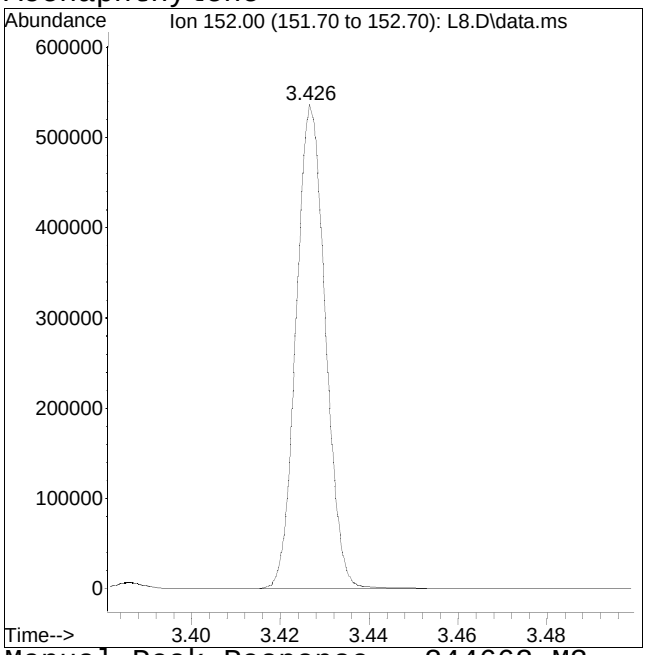
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #16: Acenaphthylene



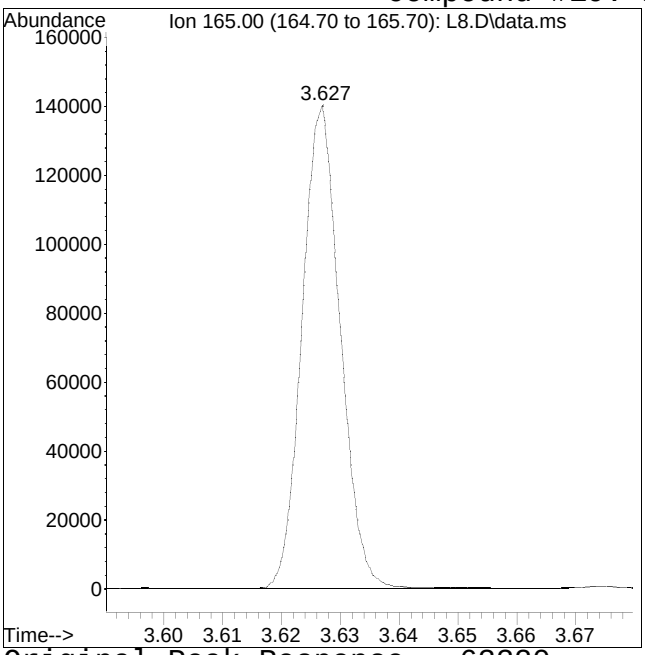


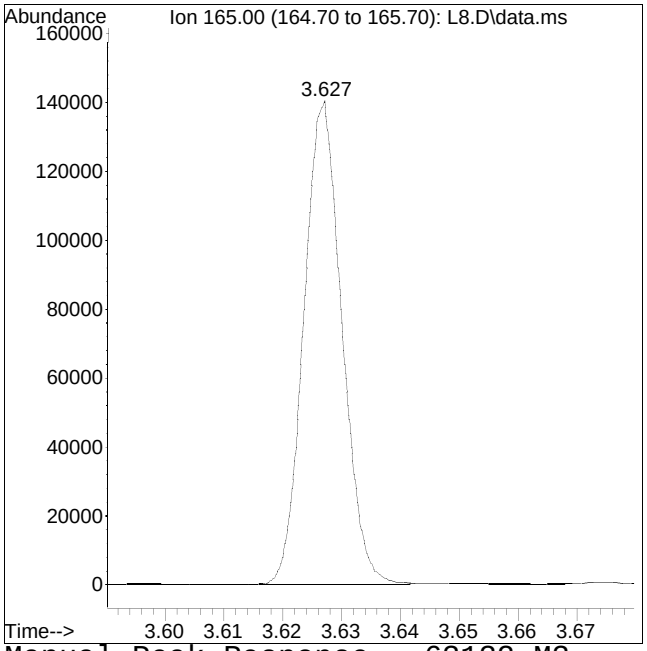
Original Peak Response = 244803 Manual Peak Response = 244662 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #19: 2,4-Dinitrotoluene





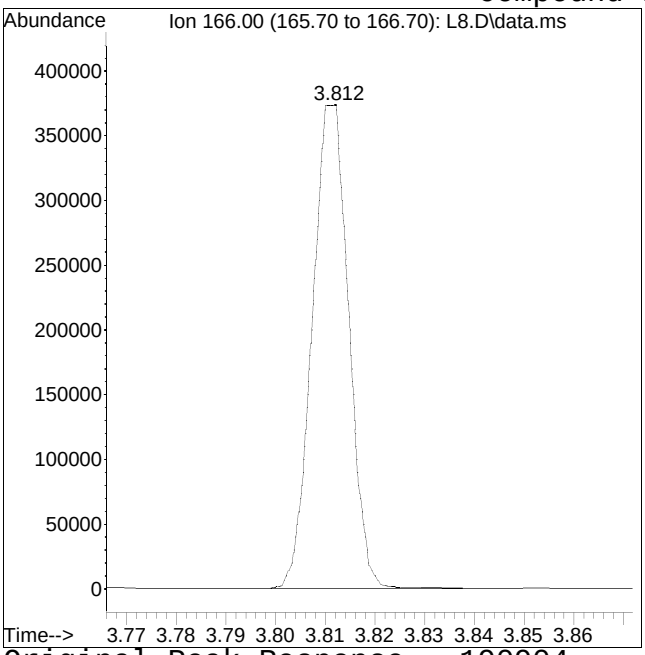
Original Peak Response = 63320 Manual Peak Response = 63132 M3

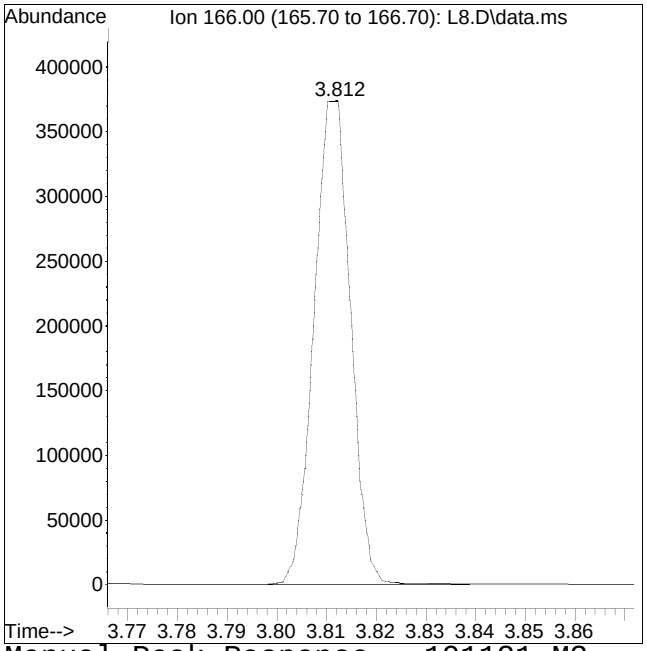
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #20: Fluorene





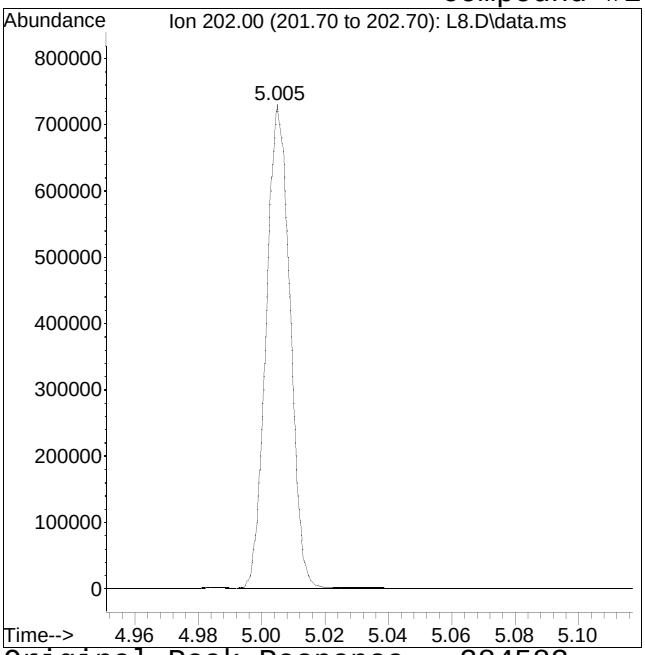
Original Peak Response = 190904 Manual Peak Response = 191121 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

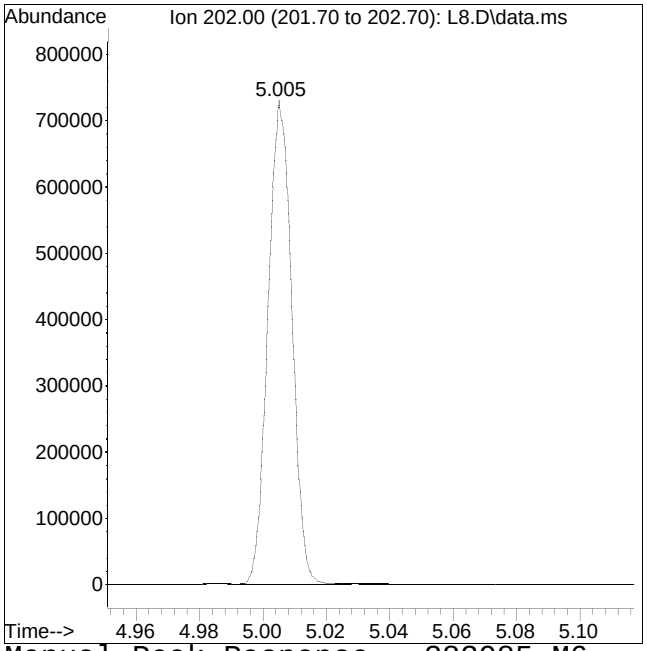
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #28: Fluoranthene



Original Peak Response = 384583



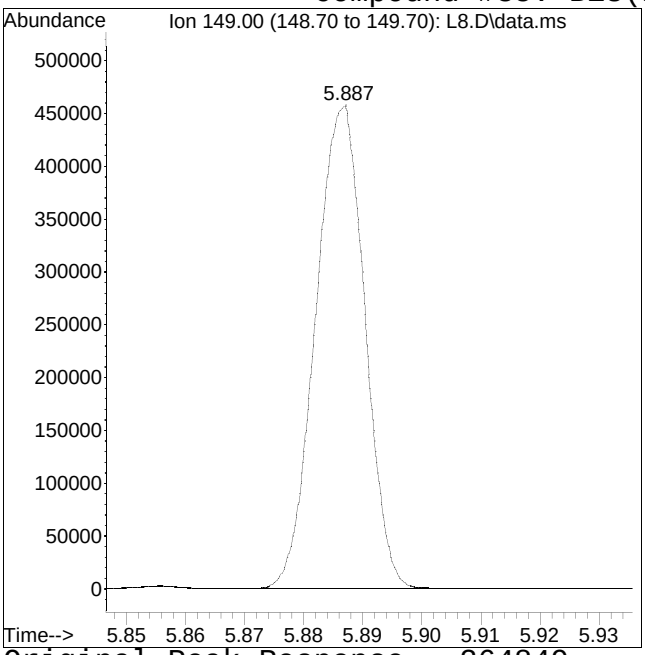
Manual Peak Response = 383985 M6

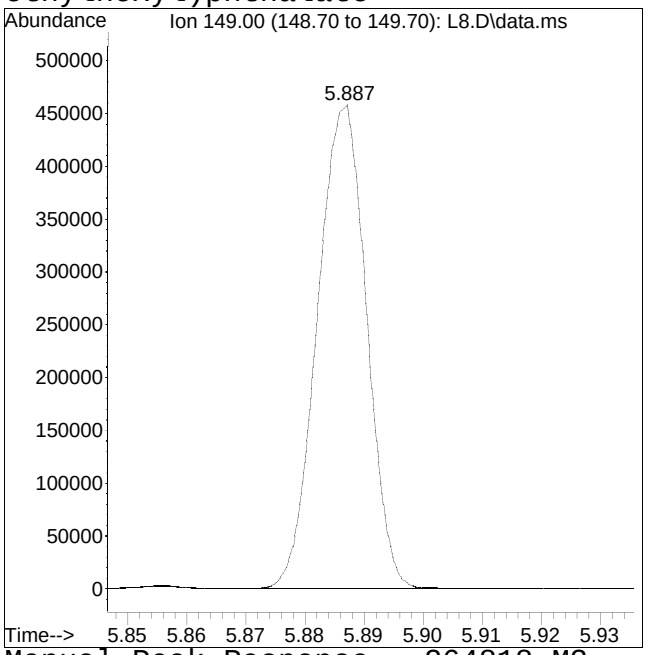
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #35: Bis(2-ethylhexyl)phthalate





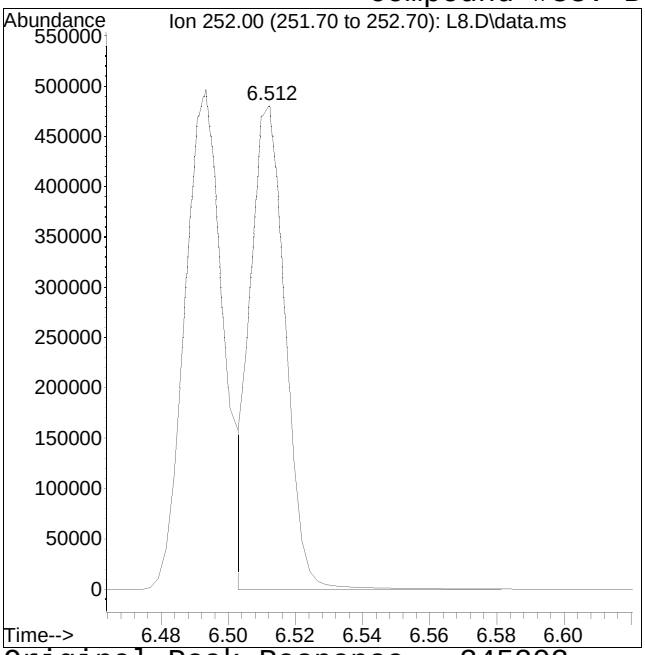
Original Peak Response = 264849 Manual Peak Response = 264818 M3

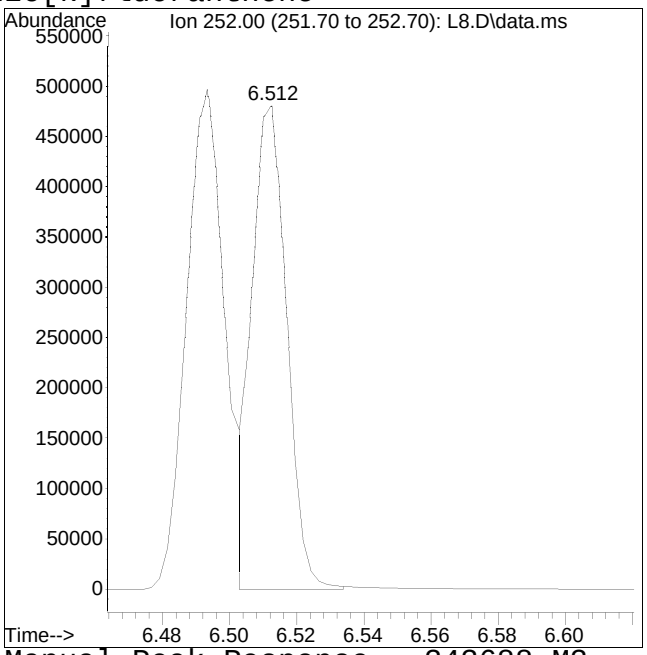
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #38: Benzo[k]fluoranthene





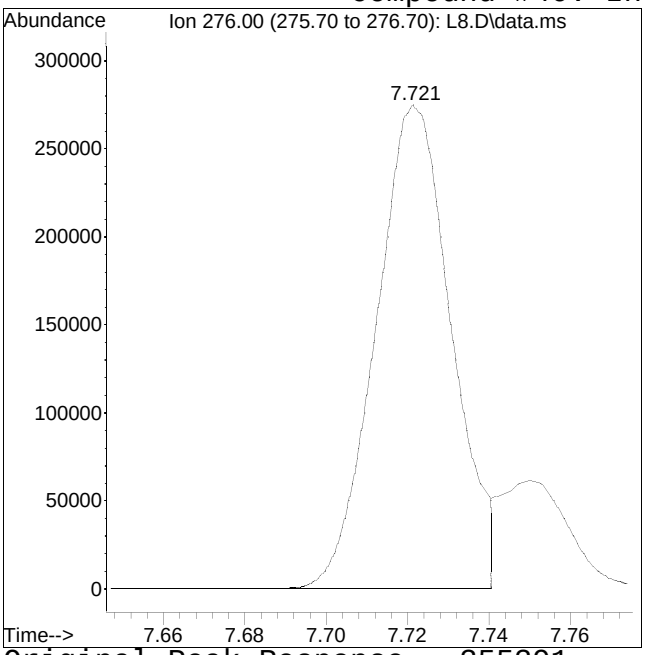
Original Peak Response = 345203 Manual Peak Response = 343688 M3

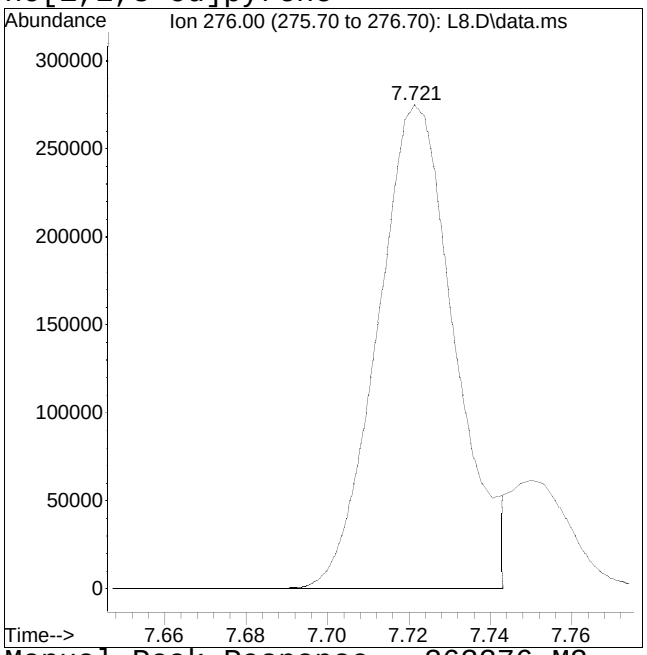
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #40: Indeno[1,2,3-cd]pyrene



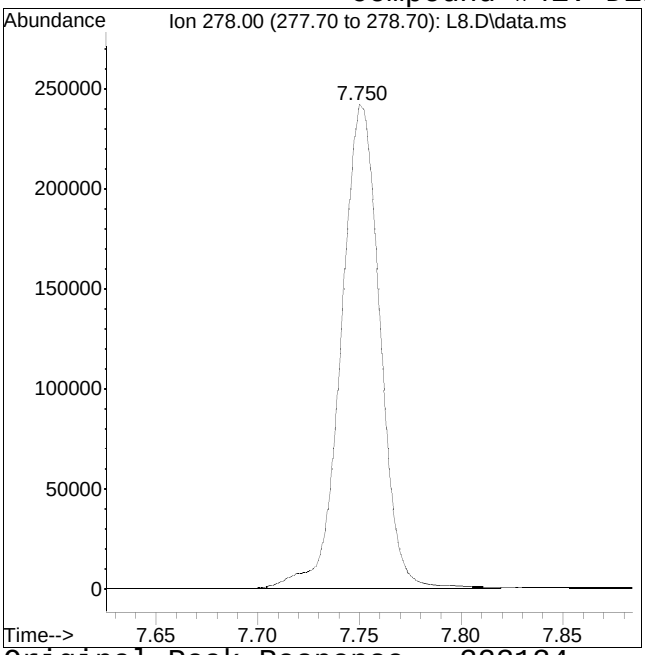


Original Peak Response = 355391 Manual Peak Response = 363376 M2
M2 = Peak not found by automatic integration algorithm.

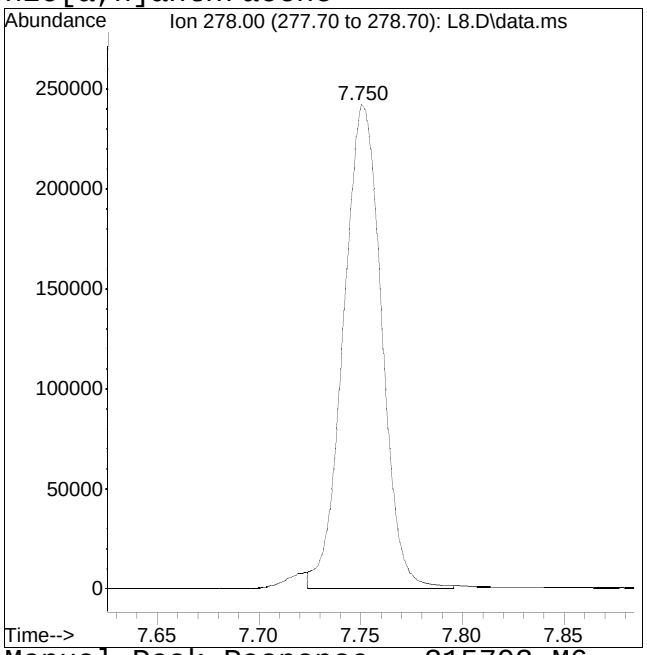
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 323134



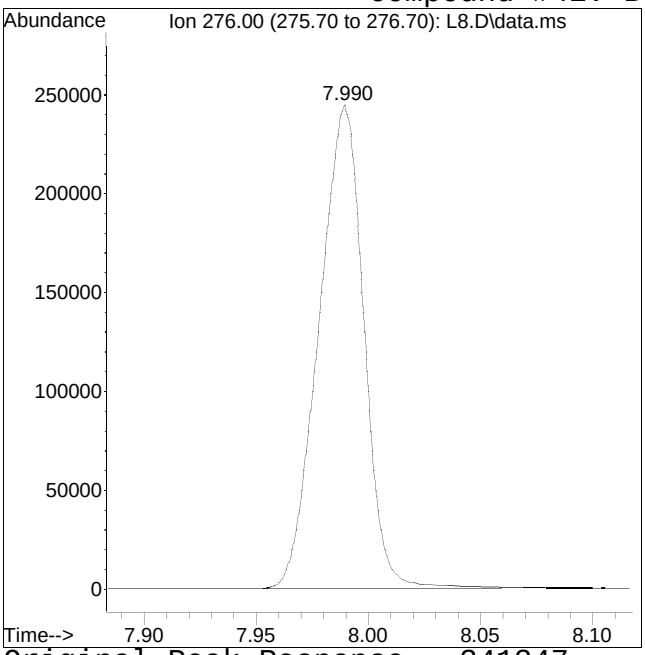
Manual Peak Response = 315703 M6

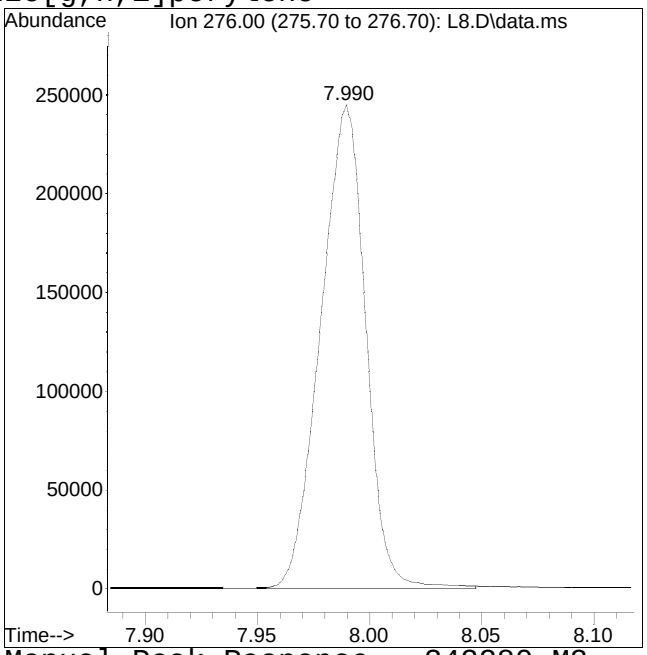
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 341347 Manual Peak Response = 342280 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.909	152	204302	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery	= 109.68%		
8) Naphthalene-d8	2.553	136	751559	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 108.65%		
17) Acenaphthene-d10	3.511	164	459733	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 108.42%		
22) Phenanthrene-d10	4.334	188	1096647	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 106.72%		
31) Chrysene-d12	5.841	240	1070301	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 110.80%		
36) Perylene-d12	6.781	264	1043335	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery	= 106.48%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.345	112	37971	526.875	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.34%		
3) Phenol-d6	1.740	99	48385	532.310	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.62%		
7) Nitrobenzene-d5	2.185	82	42833	537.215	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 53.72%		
13) 2-Fluorobiphenyl	3.147	172	99652	512.884	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 51.29%		
21) 2,4,6-Tribromophenol	3.949	330	18075	563.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 28.15%		
30) 4-Terphenyl-d14	5.237	244	152207	502.065	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 25.10%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.786	93	38197	523.054	ng/ml	100
5) n-nitrosodi-n-propylamine	2.114	70	29440	525.856	ng/ml	100
6) Hexachloroethane	2.156	117	17049	502.983	ng/ml	99
9) Naphthalene	2.564	128	104222	500.756	ng/ml	100
10) Hexachlorobutadiene	2.640	225	23451	503.513	ng/ml	100
11) 2-Methylnaphthalene	2.940	142	83802	537.408	ng/ml	99
12) 1-Methylnaphthalene	2.992	142	76547	507.841	ng/ml	99
14) 2-Chloronaphthalene	3.203	162	86207	513.121	ng/ml	100
15) 2,6-Dinitrotoluene	3.406	165	24385	539.019	ng/ml	99
16) Acenaphthylene	3.430	152	138843	517.274	ng/ml	100
18) Acenaphthene	3.528	153	82124	511.760	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.629	165	34468	560.872	ng/ml	99
20) Fluorene	3.814	166	109062	515.634	ng/ml	99
23) 4,6-Dinitro-o-cresol	3.854	198	21548	487.512	ng/ml	99
24) Hexachlorobenzene	4.125	284	38574	512.277	ng/ml	100
25) Pentachlorophenol	4.237	266	23228	508.657	ng/ml	99
26) Phenanthrene	4.345	178	158957	498.590	ng/ml	100
27) Anthracene	4.373	178	171955	522.029	ng/ml	100
28) Fluoranthene	5.009	202	220686	504.120	ng/ml	100
29) Pyrene	5.134	202	224446	494.774	ng/ml	100
32) Benzo[a]anthracene	5.833	228	218035	534.660	ng/ml	100
33) 3,3'-Dichlorobenzene	5.831	252	87919	537.821	ng/ml	99
34) Chrysene	5.854	228	202249	507.722	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.884	149	137675	482.910	ng/ml	99
37) Benzo[b]fluoranthene	6.491	252	215596	498.919	ng/ml	99
38) Benzo[k]fluoranthene	6.510	252	203294	509.232	ng/ml	99
39) Benzo[a]pyrene	6.726	252	194869	509.166	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.719	276	192780	498.282	ng/ml	99
41) Dibenzo[a,h]anthracene	7.750	278	170184M6	493.806	ng/ml	
42) Benzo[g,h,i]perylene	7.982	276	186688	490.574	ng/ml	100

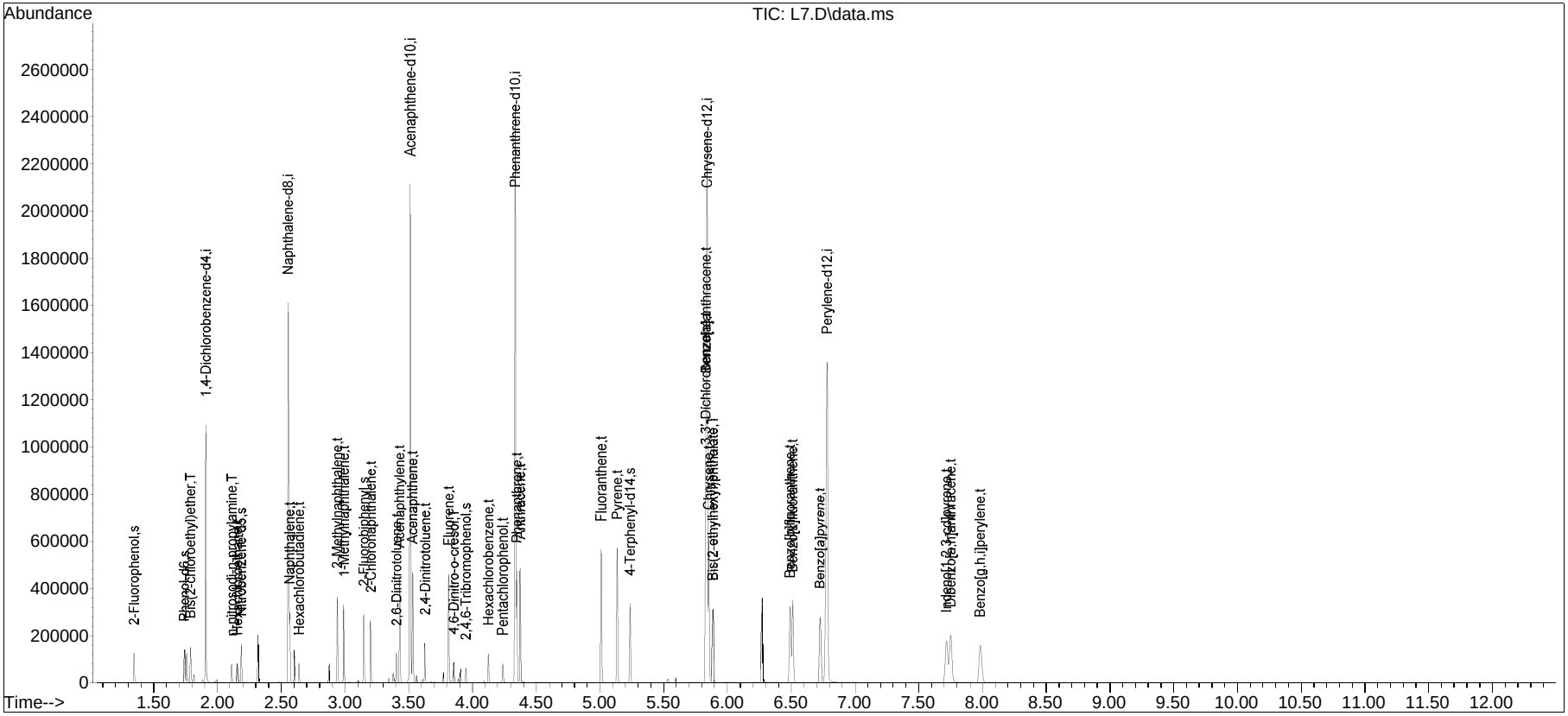
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

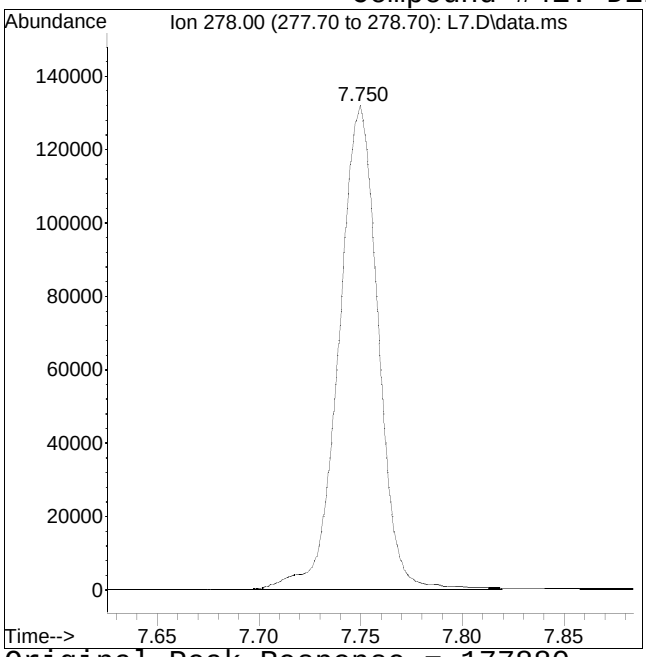
Sub List : Default - All compounds listedical\L8.D•



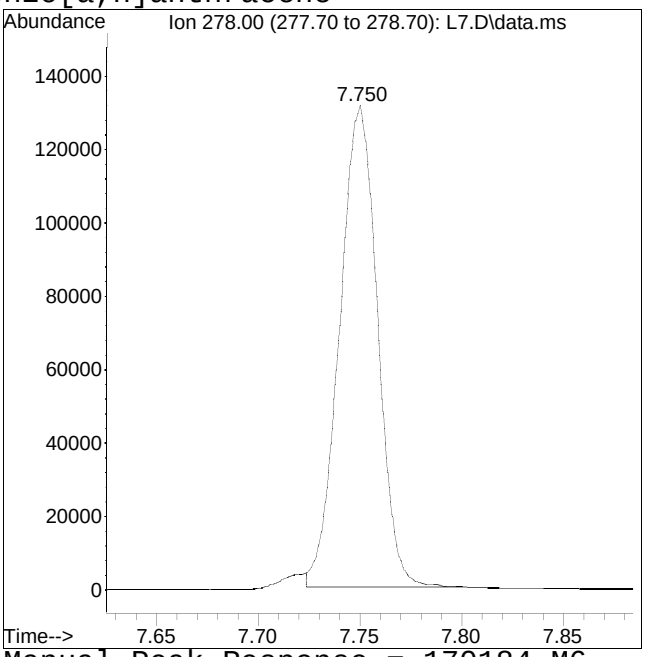
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L7.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:39 pm Instrument : SV119
Sample : IL7,32,, #10756 500 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 177880



Manual Peak Response = 170184 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.910	152	209209	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 112.32%			
8) Naphthalene-d8	2.556	136	740351	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 107.03%			
17) Acenaphthene-d10	3.512	164	452145	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 106.63%			
22) Phenanthrene-d10	4.334	188	1079747	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 105.08%			
31) Chrysene-d12	5.839	240	1140426	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 118.06%			
36) Perylene-d12	6.774	264	1053034	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery = 107.47%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.347	112	7780	105.421	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.27%#			
3) Phenol-d6	1.743	99	9644	103.610	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.18%#			
7) Nitrobenzene-d5	2.188	82	8470	103.740	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.37%#			
13) 2-Fluorobiphenyl	3.148	172	21295	111.259	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.13%#			
21) 2,4,6-Tribromophenol	3.949	330	3205	101.522	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.08%#			
30) 4-Terphenyl-d14	5.237	244	33328	111.655	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 5.58%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.791	93	8036	107.461	ng/ml	100
5) n-nitrosodi-n-propylamine	2.118	70	5504	96.006	ng/ml	99
6) Hexachloroethane	2.159	117	3479	100.231	ng/ml	100
9) Naphthalene	2.567	128	20534	100.153	ng/ml	100
10) Hexachlorobutadiene	2.641	225	4717	102.811	ng/ml	100
11) 2-Methylnaphthalene	2.941	142	16747	109.022	ng/ml	99
12) 1-Methylnaphthalene	2.993	142	15622	105.211	ng/ml	98
14) 2-Chloronaphthalene	3.204	162	17557	106.085	ng/ml	100
15) 2,6-Dinitrotoluene	3.407	165	4401	98.755	ng/ml	98
16) Acenaphthylene	3.431	152	27470	103.892	ng/ml	100
18) Acenaphthene	3.529	153	15901	100.751	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.631	165	5817	96.244	ng/ml	95
20) Fluorene	3.814	166	21606	103.865	ng/ml	98
23) 4,6-Dinitro-o-cresol	3.856	198	2885	86.397	ng/ml	96
24) Hexachlorobenzene	4.126	284	7838	105.721	ng/ml	99
25) Pentachlorophenol	4.240	266	3148	75.168	ng/ml	99
26) Phenanthrene	4.345	178	31388	99.994	ng/ml	98
27) Anthracene	4.373	178	33024	101.825	ng/ml	100
28) Fluoranthene	5.009	202	46312	107.448	ng/ml	100
29) Pyrene	5.134	202	47836	107.101	ng/ml	99
32) Benzo[a]anthracene	5.831	228	47460	102.777	ng/ml	98
33) 3,3'-Dichlorobenzene	5.828	252	16757	96.203	ng/ml	99
34) Chrysene	5.852	228	41746	98.354	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.883	149	24460	91.642	ng/ml	99
37) Benzo[b]fluoranthene	6.486	252	46371	106.321	ng/ml	98
38) Benzo[k]fluoranthene	6.505	252	44088	109.419	ng/ml	97
39) Benzo[a]pyrene	6.721	252	39529	102.333	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.712	276	39190	100.362	ng/ml	99
41) Dibenzo[a,h]anthracene	7.743	278	35608M6	102.369	ng/ml	
42) Benzo[g,h,i]perylene	7.980	276	38404	99.988	ng/ml	99

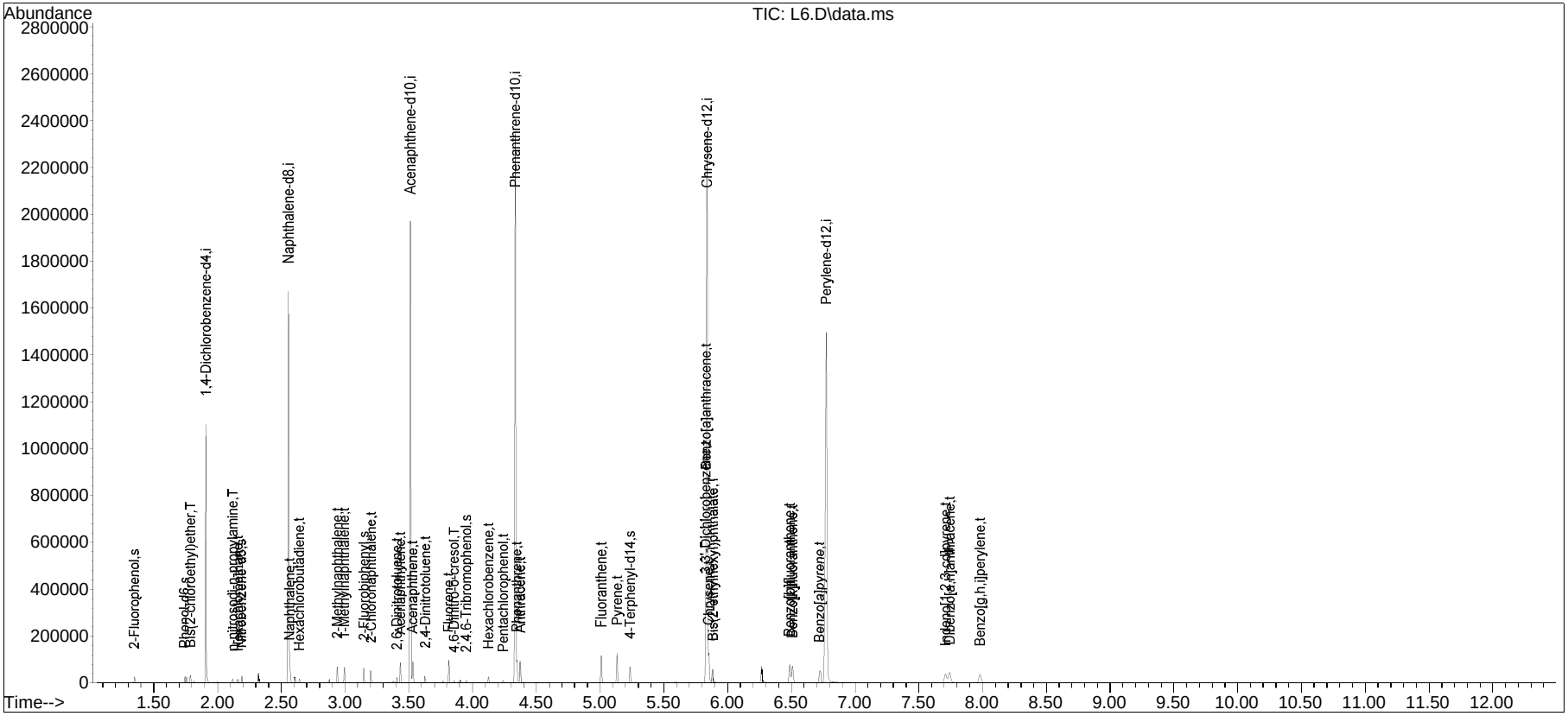
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

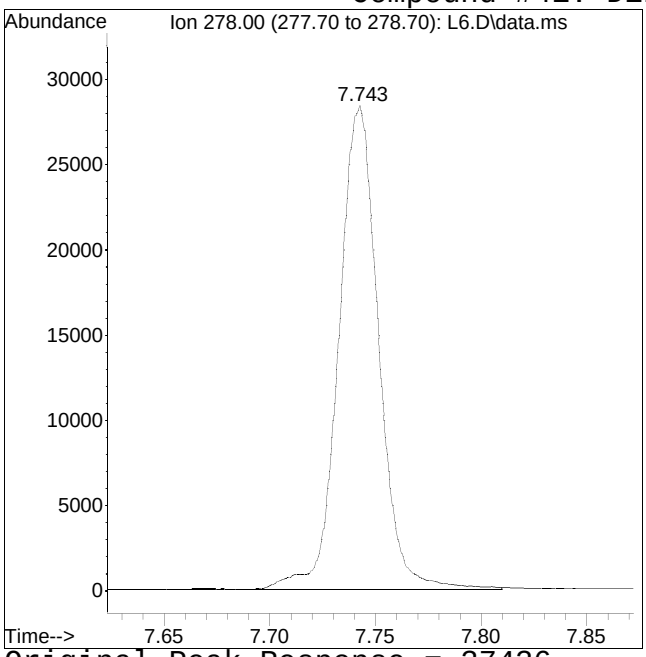
Sub List : Default - All compounds listedical\L8.D•



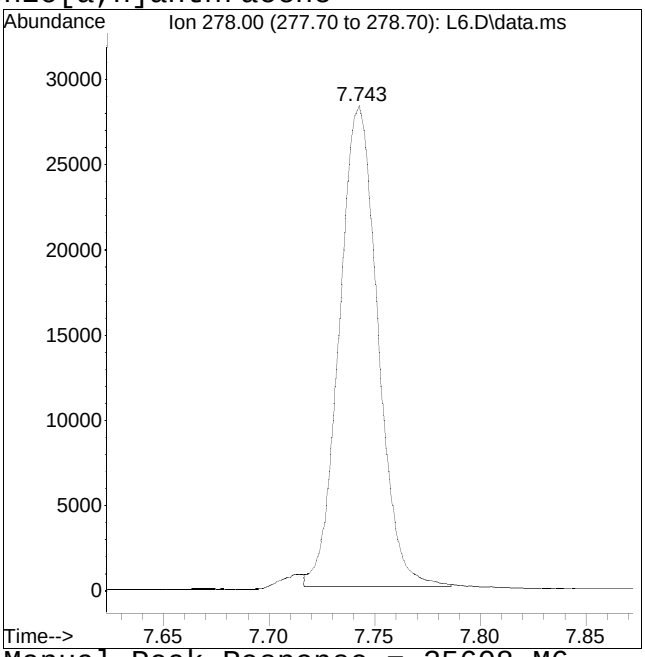
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L6.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:55 pm Instrument : SV119
Sample : IL6,32,, #10465 100 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 37436



Manual Peak Response = 35608 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.911	152	200302	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 107.54%			
8) Naphthalene-d8	2.555	136	701205	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 101.37%			
17) Acenaphthene-d10	3.512	164	427946	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 100.93%			
22) Phenanthrene-d10	4.333	188	1016976	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 98.97%			
31) Chrysene-d12	5.836	240	1071660	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 110.94%			
36) Perylene-d12	6.774	264	989408	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery = 100.98%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.349	112	3030	42.883	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.14%#			
3) Phenol-d6	1.744	99	3710	41.631	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.08%#			
7) Nitrobenzene-d5	2.190	82	3202	40.962	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.10%#			
13) 2-Fluorobiphenyl	3.148	172	8046	44.385	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.44%#			
21) 2,4,6-Tribromophenol	3.949	330	1198	40.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.00%#			
30) 4-Terphenyl-d14	5.235	244	12929	45.988	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 2.30%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.792	93	2992M4	41.789	ng/ml	
5) n-nitrosodi-n-propylamine	2.117	70	2088	38.041	ng/ml	98
6) Hexachloroethane	2.158	117	1336	40.202	ng/ml	100
9) Naphthalene	2.566	128	7912	40.745	ng/ml	99
10) Hexachlorobutadiene	2.640	225	1848	42.527	ng/ml	100
11) 2-Methylnaphthalene	2.941	142	6330	43.508	ng/ml	99
12) 1-Methylnaphthalene	2.995	142	5879M6	41.804	ng/ml	
14) 2-Chloronaphthalene	3.206	162	6793	43.337	ng/ml	100
15) 2,6-Dinitrotoluene	3.407	165	1600	37.907	ng/ml	96
16) Acenaphthylene	3.431	152	10607	42.355	ng/ml	99
18) Acenaphthene	3.529	153	6043	40.454	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.633	165	2002	34.997	ng/ml	89
20) Fluorene	3.814	166	8190	41.598	ng/ml	97
23) 4,6-Dinitro-o-cresol	3.858	198	976	46.132	ng/ml	96
24) Hexachlorobenzene	4.126	284	3043	43.578	ng/ml	99
25) Pentachlorophenol	4.240	266	1059	29.625	ng/ml	98
26) Phenanthrene	4.345	178	11761M6	39.780	ng/ml	
27) Anthracene	4.375	178	12291	40.237	ng/ml	100
28) Fluoranthene	5.009	202	17675	43.539	ng/ml	99
29) Pyrene	5.132	202	18547	44.088	ng/ml	99
32) Benzo[a]anthracene	5.828	228	19860	41.274	ng/ml	95
33) 3,3'-Dichlorobenzene	5.827	252	6080	37.146	ng/ml#	83
34) Chrysene	5.849	228	15648	39.233	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	5.879	149	8891	43.633	ng/ml	99
37) Benzo[b]fluoranthene	6.484	252	16977	41.428	ng/ml	99
38) Benzo[k]fluoranthene	6.503	252	17564	46.394	ng/ml	95
39) Benzo[a]pyrene	6.719	252	14757	40.660	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.712	276	14606	39.810	ng/ml	98
41) Dibenzo[a,h]anthracene	7.740	278	13633M6	41.714	ng/ml	
42) Benzo[g,h,i]perylene	7.978	276	14701	40.736	ng/ml	99

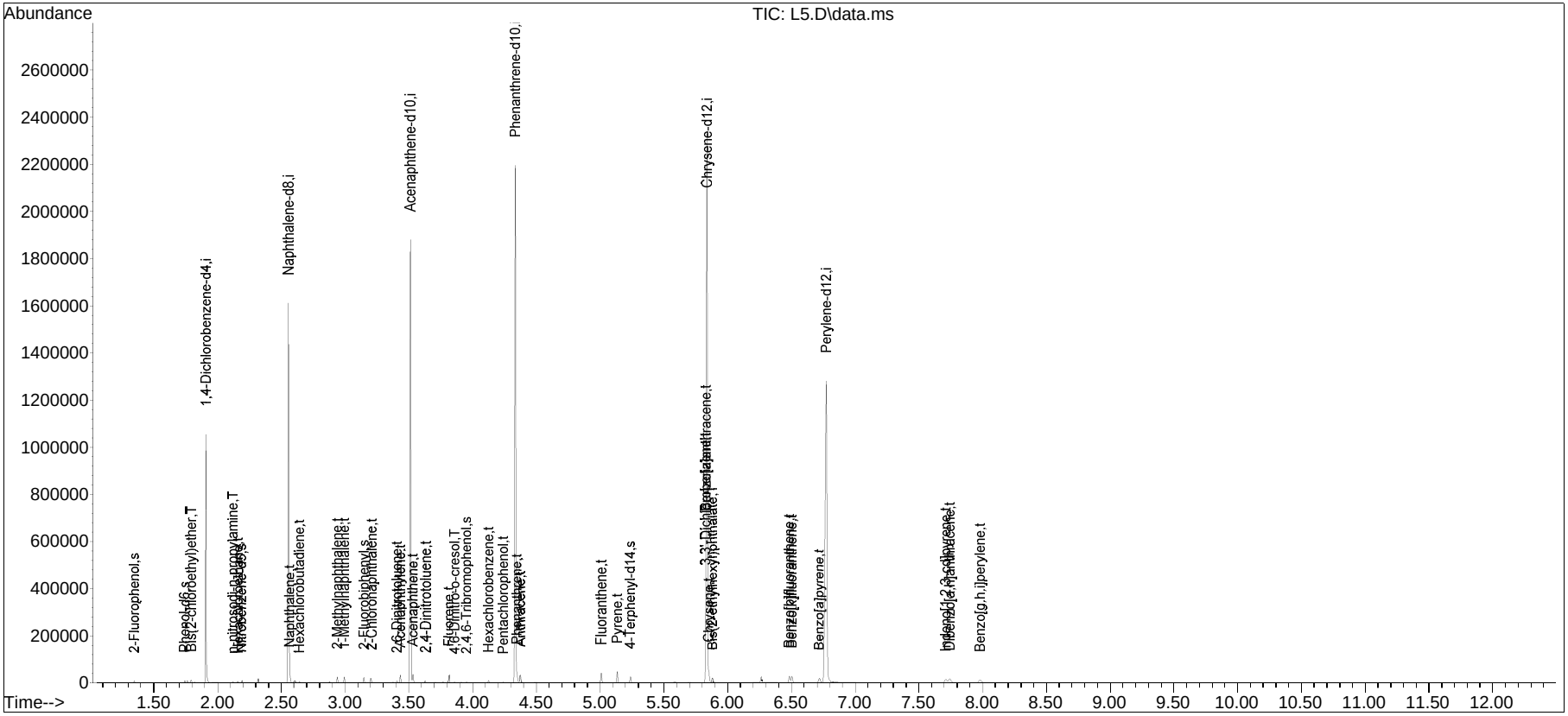
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

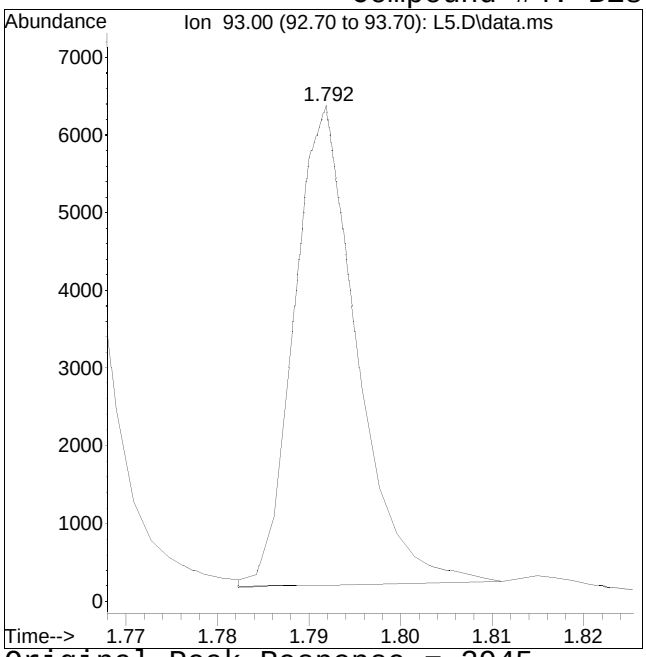


Manual Integration Report

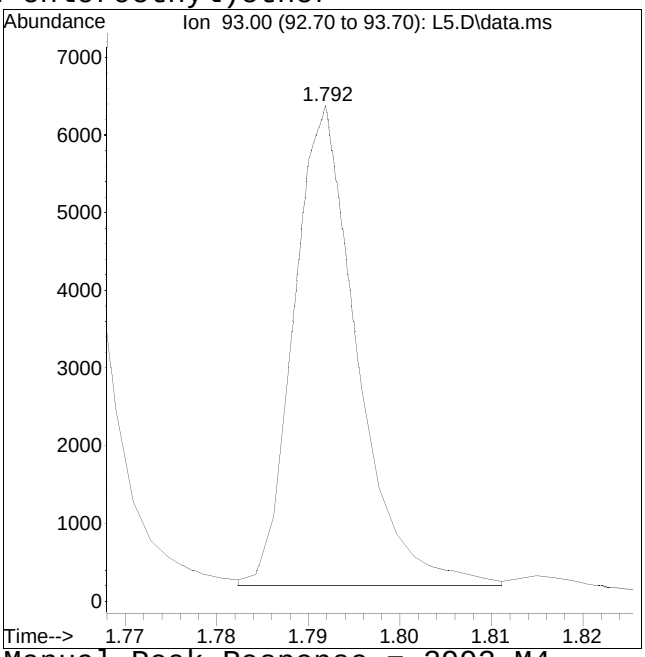
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 2945



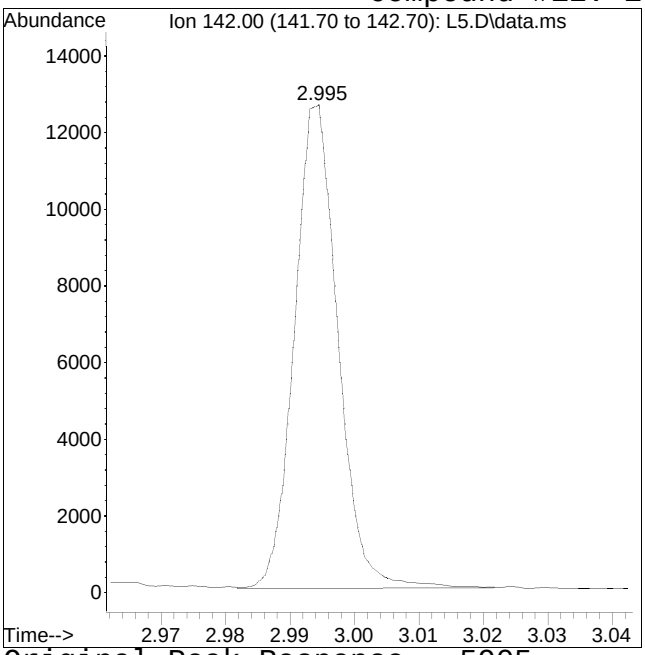
Manual Peak Response = 2992 M4

M4 = Poor automated baseline construction.

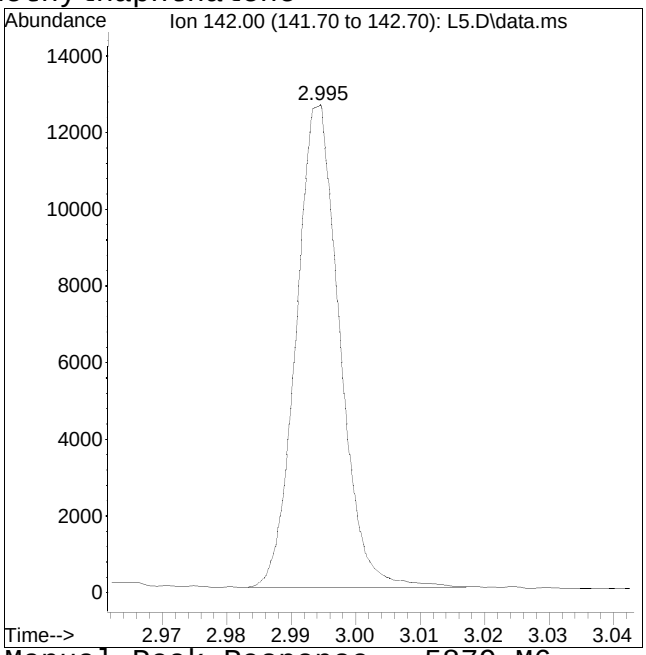
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #12: 1-Methylnaphthalene



Original Peak Response = 5905



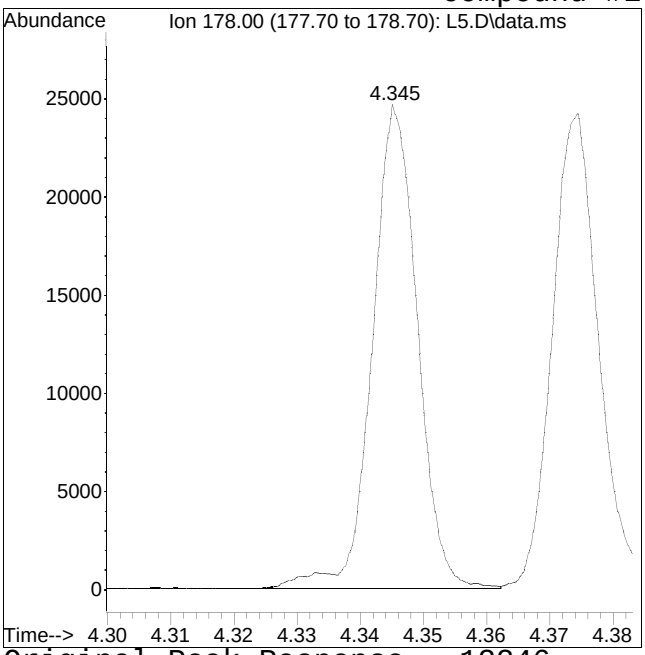
Manual Peak Response = 5879 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

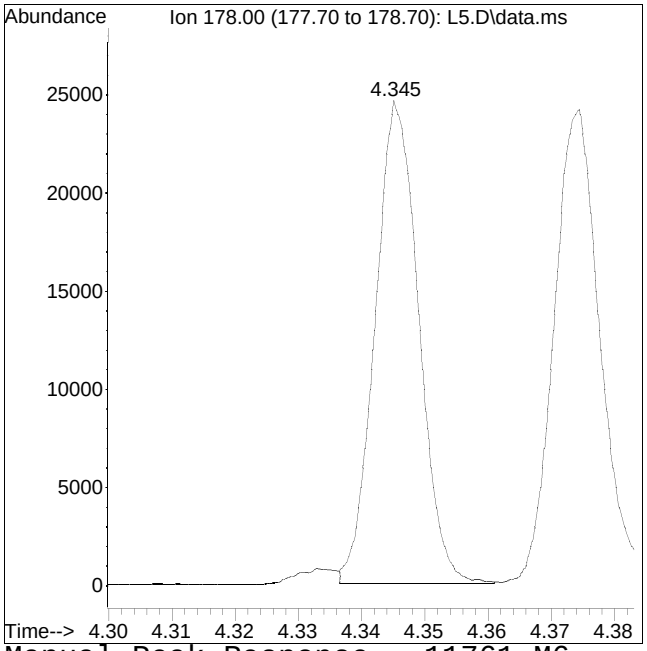
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #26: Phenanthrene



Original Peak Response = 12246



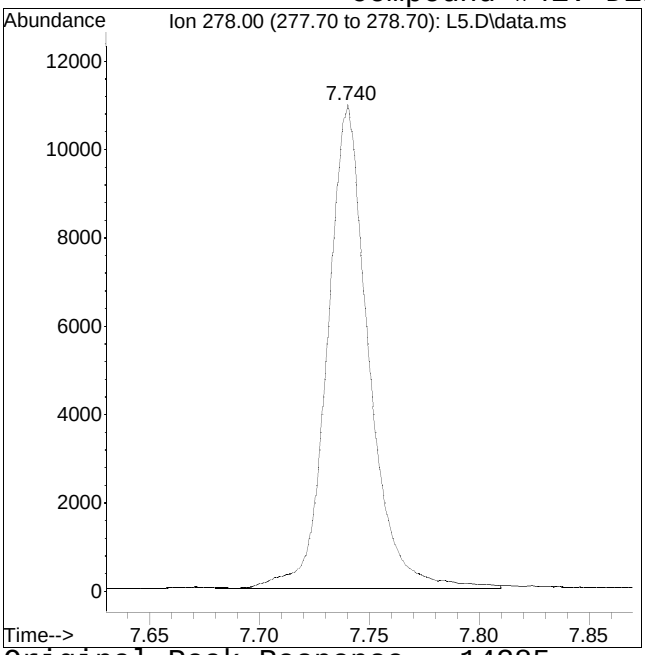
Manual Peak Response = 11761 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

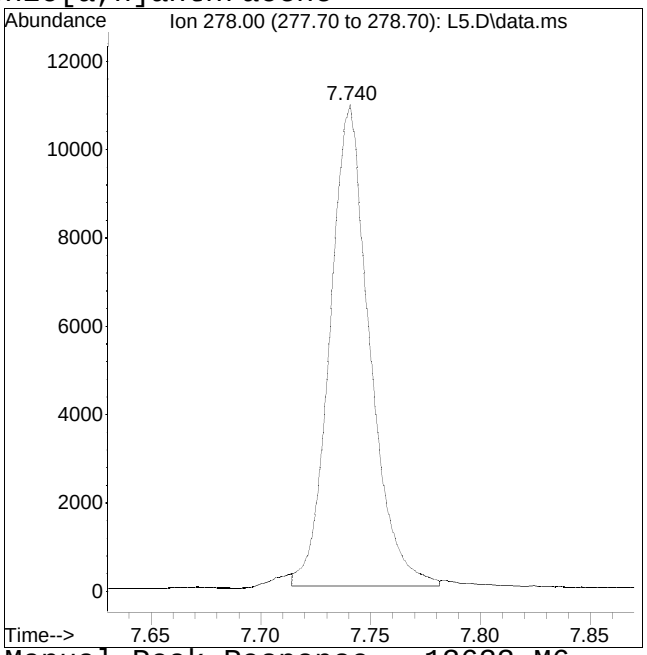
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L5.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:12 pm Instrument : SV119
Sample : IL5,32,, #10757 40 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 14285



Manual Peak Response = 13633 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.913	152	213427	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 114.58%			
8) Naphthalene-d8	2.557	136	742567	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 107.35%			
17) Acenaphthene-d10	3.512	164	453515	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 106.96%			
22) Phenanthrene-d10	4.334	188	1070494	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 104.18%			
31) Chrysene-d12	5.835	240	1128280	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 116.81%			
36) Perylene-d12	6.769	264	1013190	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery = 103.40%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.352	112	756	10.042	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	1.748	99	913	9.615	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
7) Nitrobenzene-d5	2.192	82	771	9.257	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
13) 2-Fluorobiphenyl	3.150	172	2120	11.043	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.10%#			
21) 2,4,6-Tribromophenol	3.951	330	290	9.158	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.46%#			
30) 4-Terphenyl-d14	5.235	244	3341	11.290	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.56%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.794	93	784M6	10.277	ng/ml	
5) n-nitrosodi-n-propylamine	2.122	70	541	9.250	ng/ml	97
6) Hexachloroethane	2.161	117	364	10.280	ng/ml	93
9) Naphthalene	2.568	128	2080	10.115	ng/ml#	95
10) Hexachlorobutadiene	2.643	225	465	10.105	ng/ml	96
11) 2-Methylnaphthalene	2.944	142	1584	10.281	ng/ml	95
12) 1-Methylnaphthalene	2.995	142	1526	10.247	ng/ml	99
14) 2-Chloronaphthalene	3.207	162	1719	10.356	ng/ml	97
15) 2,6-Dinitrotoluene	3.408	165	446	9.978	ng/ml	98
16) Acenaphthylene	3.431	152	2751	10.373	ng/ml	99
18) Acenaphthene	3.529	153	1525	9.633	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.636	165	489	8.066	ng/ml#	80
20) Fluorene	3.817	166	2091	10.022	ng/ml	95
23) 4,6-Dinitro-o-cresol	3.863	198	160	27.090	ng/ml	95
24) Hexachlorobenzene	4.127	284	784	10.666	ng/ml	98
25) Pentachlorophenol	4.242	266	244	9.794	ng/ml	94
26) Phenanthrene	4.346	178	3004	9.653	ng/ml	100
27) Anthracene	4.376	178	3071	9.551	ng/ml	99
28) Fluoranthene	5.009	202	4526	10.591	ng/ml	99
29) Pyrene	5.134	202	4681	10.571	ng/ml	99
32) Benzo[a]anthracene	5.828	228	7340	9.231	ng/ml#	86
33) 3,3'-Dichlorobenzene	5.823	252	1462	8.484	ng/ml#	23
34) Chrysene	5.848	228	3974	9.464	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.878	149	2249	20.623	ng/ml	99
37) Benzo[b]fluoranthene	6.481	252	4284	10.209	ng/ml	98
38) Benzo[k]fluoranthene	6.500	252	4243	10.945	ng/ml	99
39) Benzo[a]pyrene	6.717	252	3601	9.689	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.707	276	3518	9.364	ng/ml	98
41) Dibenzo[a,h]anthracene	7.738	278	3222M6	9.627	ng/ml	
42) Benzo[g,h,i]perylene	7.973	276	3485	9.430	ng/ml	99

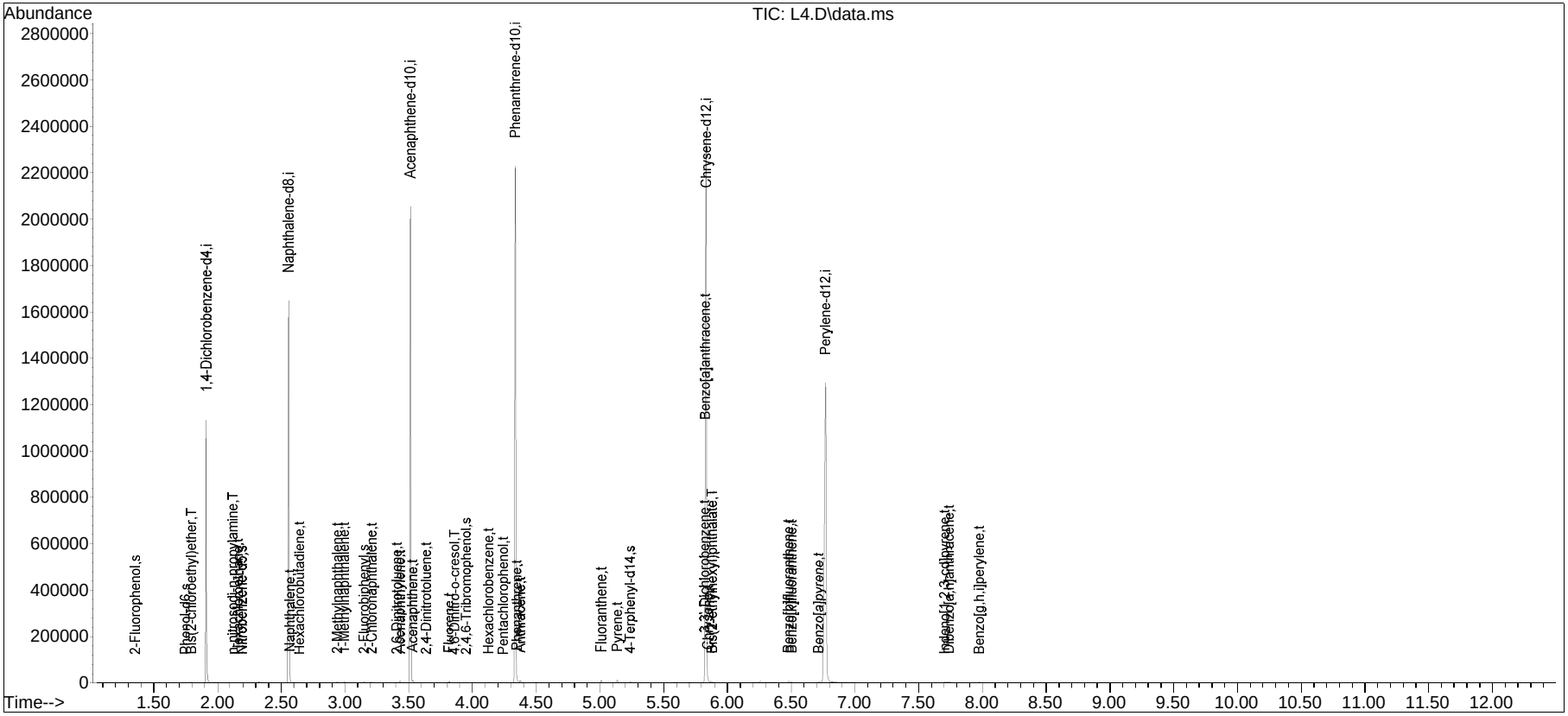
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

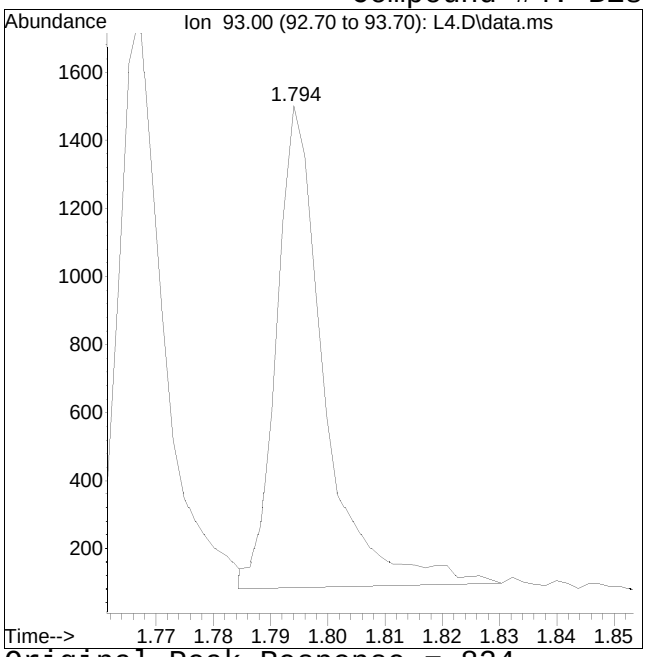
Sub List : Default - All compounds listedical\L8.D•



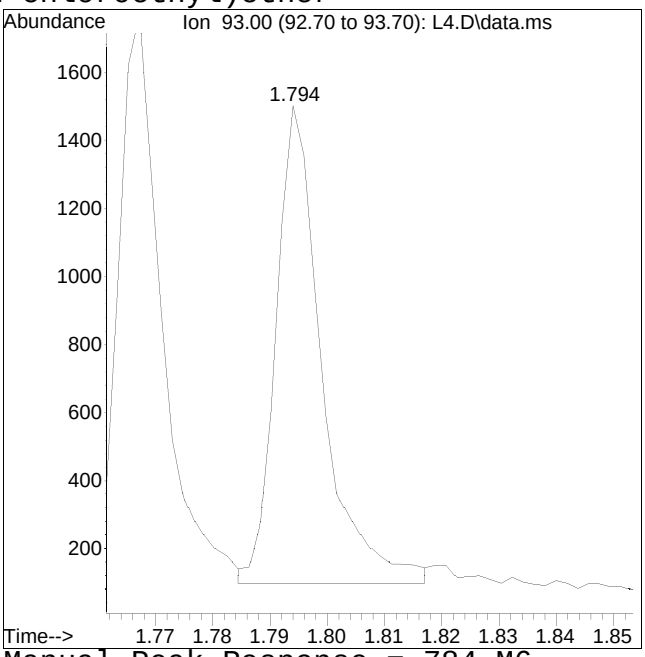
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L4.D
Date Inj'd : 6/21/2024 4:28 pm
Sample : IL4,32,, #10468 10 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 824



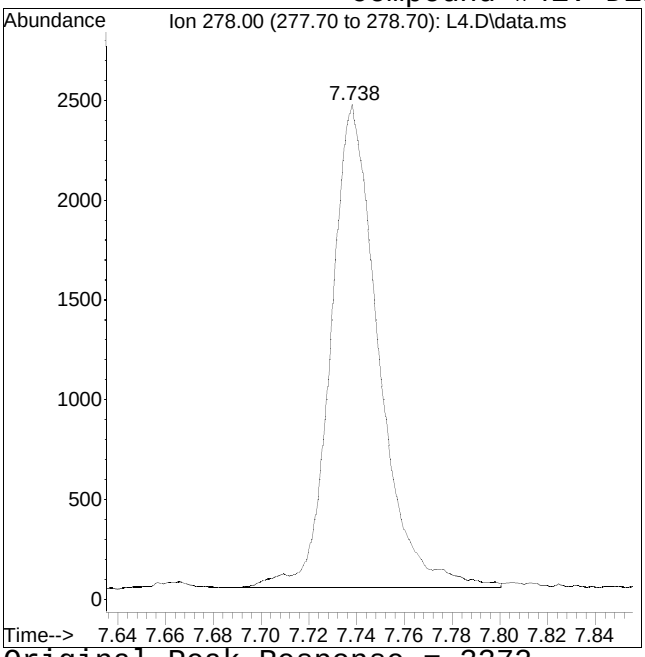
Manual Peak Response = 784 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

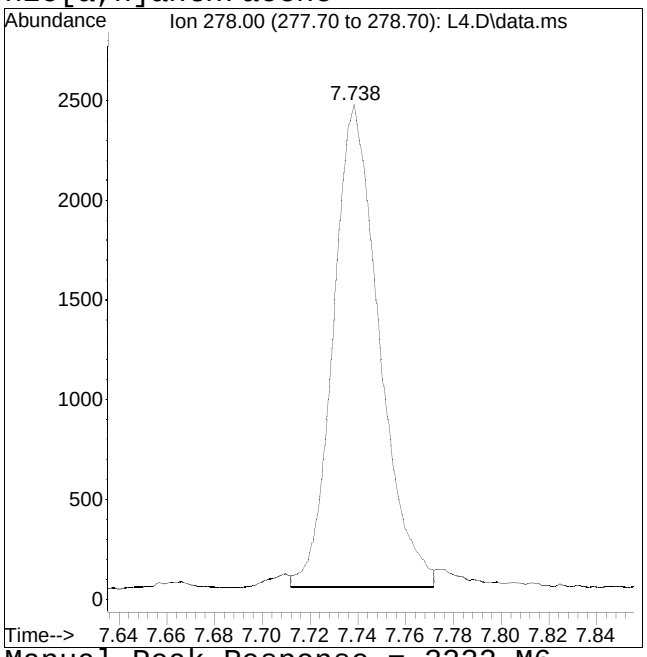
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L4.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:28 pm Instrument : SV119
Sample : IL4,32,, #10468 10 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3372



Manual Peak Response = 3222 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.913	152	209500	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 112.47%			
8) Naphthalene-d8	2.557	136	729885	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 105.52%			
17) Acenaphthene-d10	3.513	164	447694	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 105.58%			
22) Phenanthrene-d10	4.335	188	1050136	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 102.19%			
31) Chrysene-d12	5.835	240	1112822	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 115.20%			
36) Perylene-d12	6.769	264	994319	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery = 101.48%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.352	112	377	5.101	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
3) Phenol-d6	1.748	99	449	4.817	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.194	82	369	4.513	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.45%#			
13) 2-Fluorobiphenyl	3.151	172	966	5.119	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	3.954	330	140	4.479	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.238	244	1722	5.932	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.30%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.796	93	362M6	4.834	ng/ml	
5) n-nitrosodi-n-propylamine	2.124	70	276	4.808	ng/ml	97
6) Hexachloroethane	2.160	117	183	5.265	ng/ml	91
9) Naphthalene	2.568	128	1056	5.224	ng/ml#	90
10) Hexachlorobutadiene	2.642	225	242	5.350	ng/ml	95
11) 2-Methylnaphthalene	2.944	142	756	4.992	ng/ml	96
12) 1-Methylnaphthalene	2.997	142	782	5.342	ng/ml	95
14) 2-Chloronaphthalene	3.209	162	844	5.173	ng/ml	98
15) 2,6-Dinitrotoluene	3.410	165	195	4.438	ng/ml#	82
16) Acenaphthylene	3.434	152	1306	5.010	ng/ml	99
18) Acenaphthene	3.530	153	758	4.851	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.638	165	224	3.743	ng/ml	91
20) Fluorene	3.817	166	1056	5.127	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.129	284	371	5.145	ng/ml	99
25) Pentachlorophenol	4.242	266	136	7.392	ng/ml#	74
26) Phenanthrene	4.348	178	1497M6	4.904	ng/ml	
27) Anthracene	4.376	178	1527	4.841	ng/ml	97
28) Fluoranthene	5.011	202	2184	5.210	ng/ml	100
29) Pyrene	5.136	202	2343	5.394	ng/ml	99
32) Benzo[a]anthracene	5.832	228	5283	4.547	ng/ml#	78
33) 3,3'-Dichlorobenzene	5.827	252	688	4.048	ng/ml#	1
34) Chrysene	5.848	228	1952M1	4.713	ng/ml	
35) Bis(2-ethylhexyl)phtha...	5.878	149	1208	17.310	ng/ml	99
37) Benzo[b]fluoranthene	6.481	252	1989	4.830	ng/ml	97
38) Benzo[k]fluoranthene	6.501	252	2168M4	5.698	ng/ml	
39) Benzo[a]pyrene	6.717	252	1780	4.880	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.709	276	1673	4.537	ng/ml	95
41) Dibenzo[a,h]anthracene	7.741	278	1564M6	4.762	ng/ml	
42) Benzo[g,h,i]perylene	7.975	276	1758	4.847	ng/ml	100

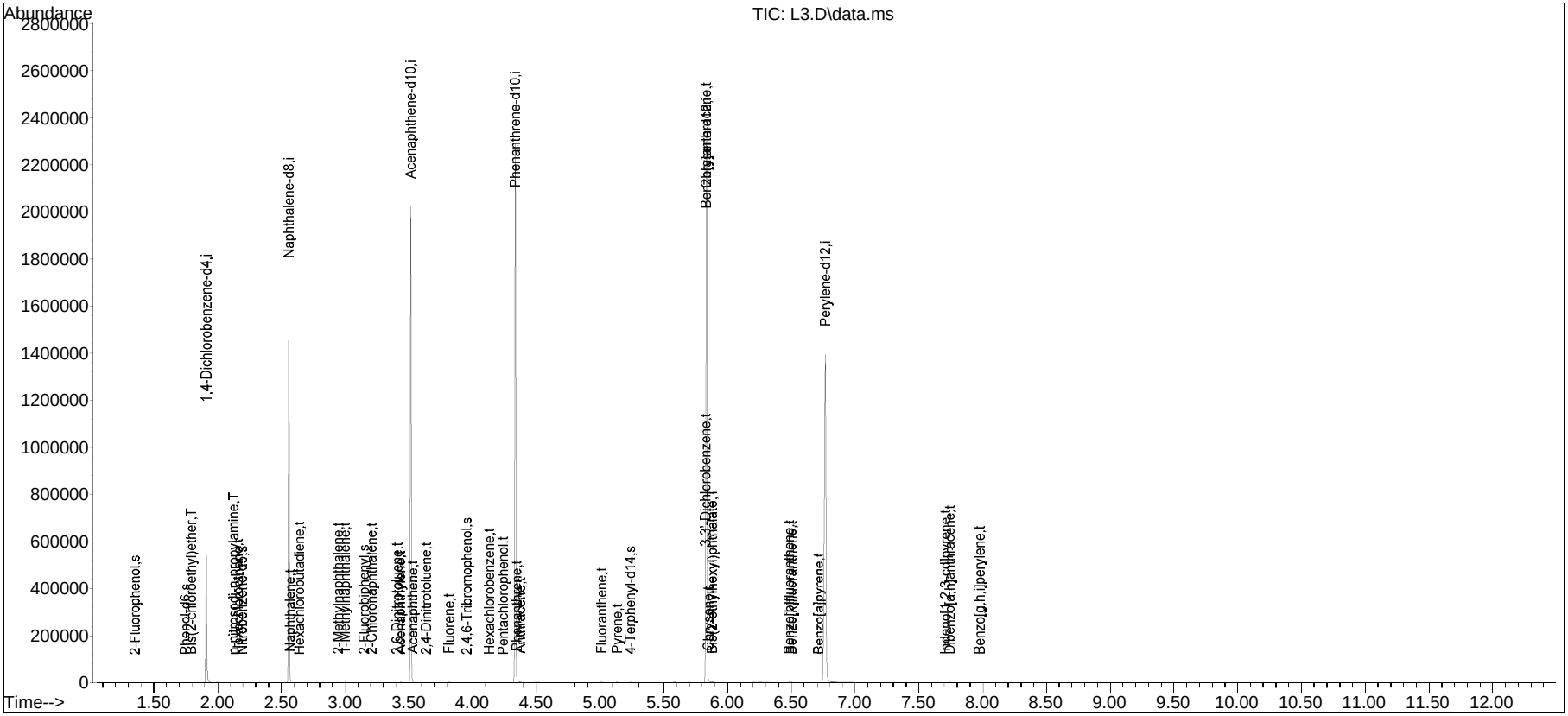
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

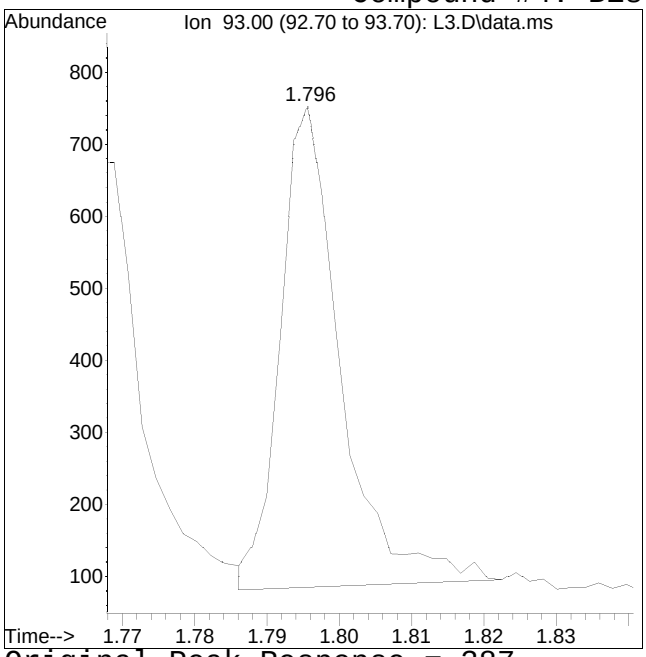


Manual Integration Report

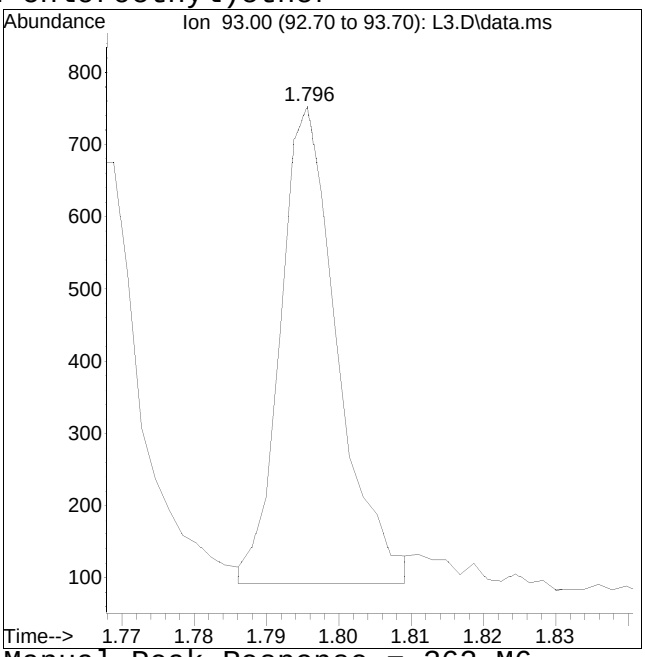
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 387



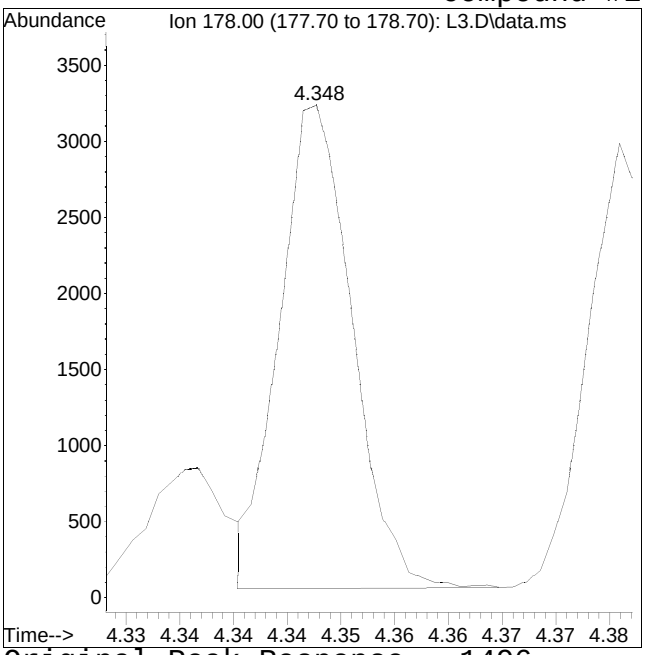
Manual Peak Response = 362 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

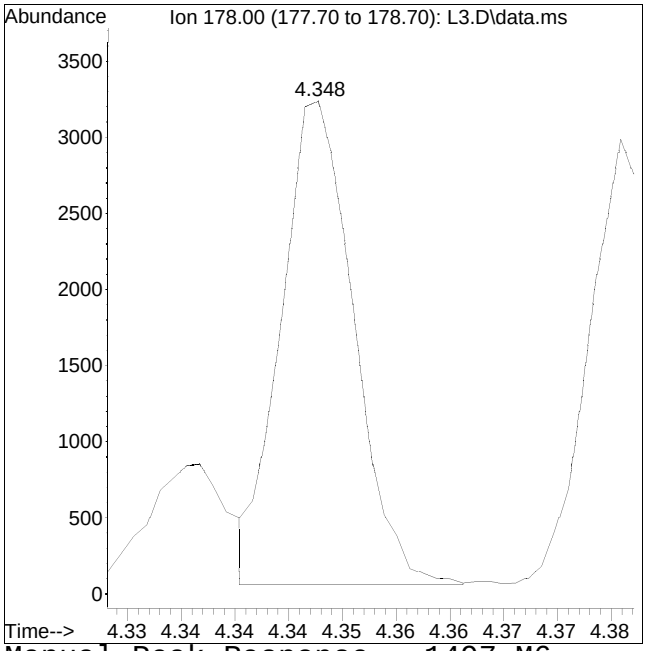
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #26: Phenanthrene



Original Peak Response = 1496



Manual Peak Response = 1497 M6

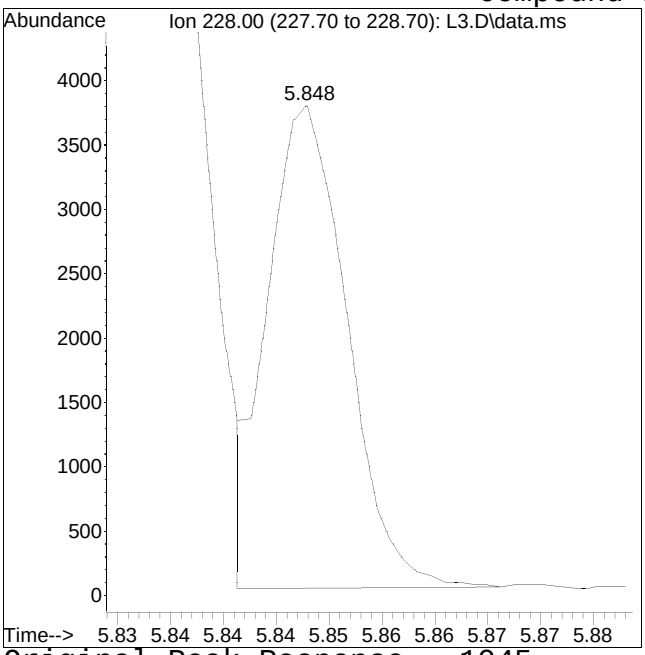
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

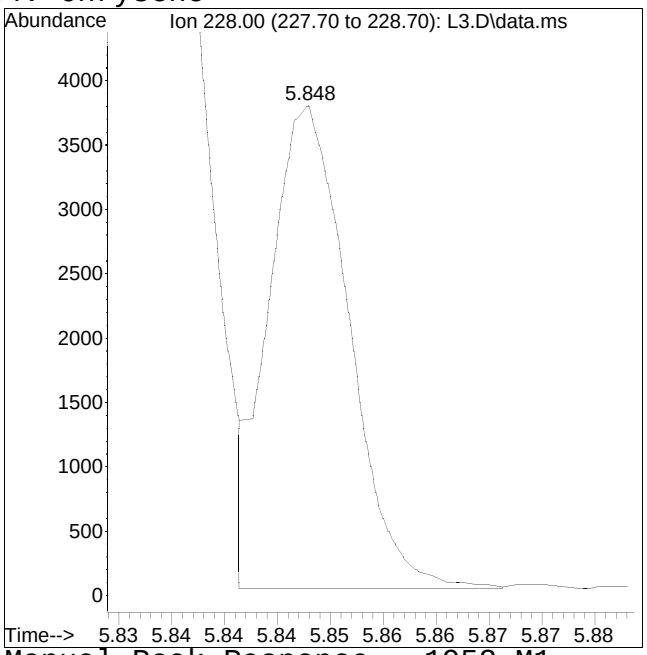
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #34: Chrysene



Original Peak Response = 1945



Manual Peak Response = 1952 M1

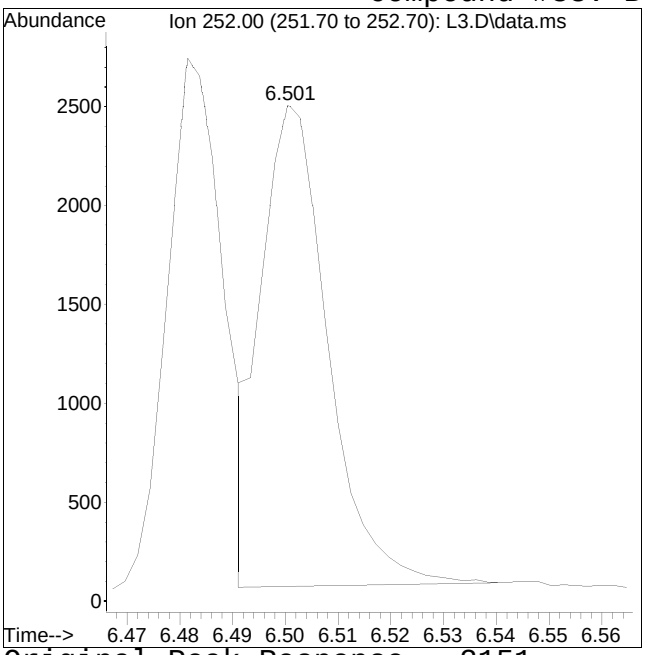
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

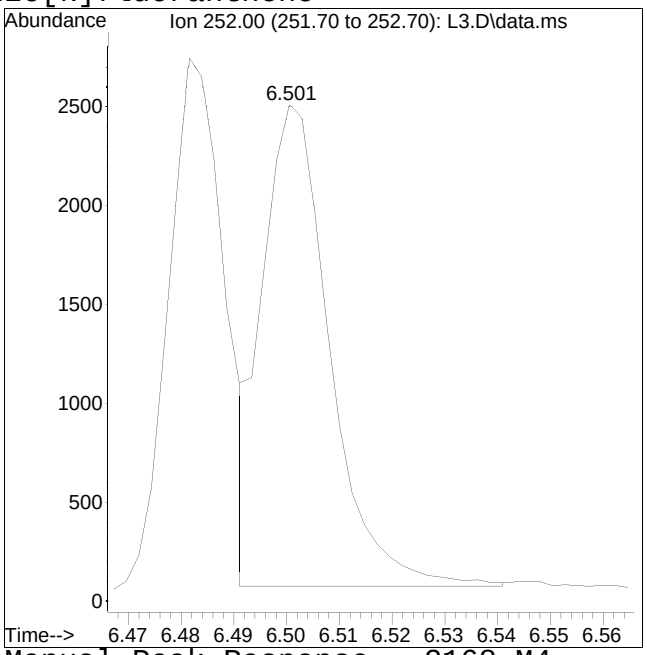
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2151



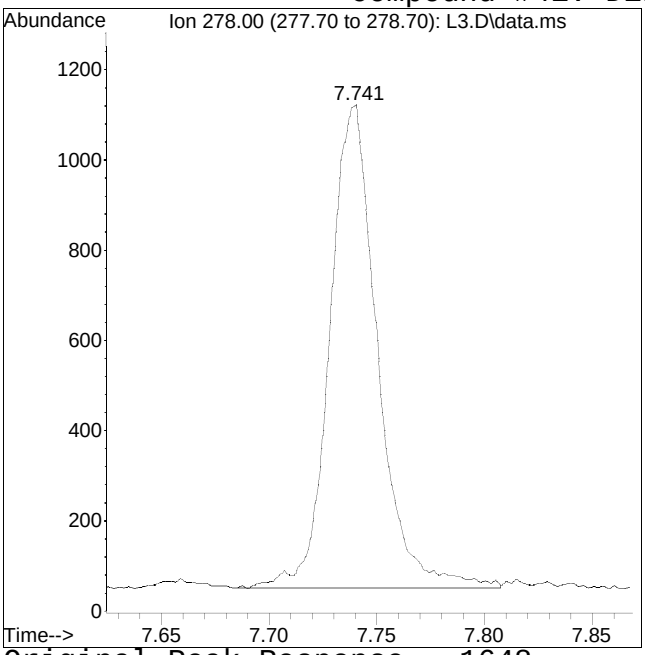
Manual Peak Response = 2168 M4

M4 = Poor automated baseline construction.

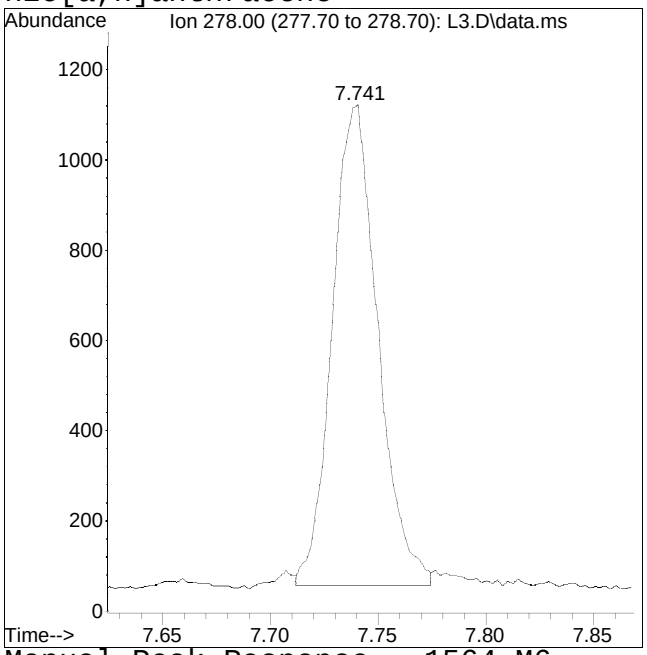
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L3.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:44 pm Instrument : SV119
Sample : IL3,32,, #10469 5 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1648



Manual Peak Response = 1564 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.915	152	202808	4000.000	ng/ml	0.01
Standard Area 1 = 186265			Recovery = 108.88%			
8) Naphthalene-d8	2.557	136	710799	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 102.76%			
17) Acenaphthene-d10	3.513	164	436373	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 102.91%			
22) Phenanthrene-d10	4.334	188	1034805	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 100.70%			
31) Chrysene-d12	5.835	240	1089887	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 112.83%			
36) Perylene-d12	6.769	264	975901	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery = 99.60%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.353	112	152	2.125	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
3) Phenol-d6	1.750	99	183	2.028	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.195	82	175	2.211	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
13) 2-Fluorobiphenyl	3.151	172	406	2.209	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
21) 2,4,6-Tribromophenol	3.953	330	61M1	2.002	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
30) 4-Terphenyl-d14	5.237	244	776	2.713	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.14%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.796	93	156M4	2.152	ng/ml	
5) n-nitrosodi-n-propylamine	2.124	70	112M6	2.029	ng/ml	
6) Hexachloroethane	2.161	117	80	2.378	ng/ml	94
9) Naphthalene	2.568	128	448	2.283	ng/ml	98
10) Hexachlorobutadiene	2.642	225	104	2.361	ng/ml	89
11) 2-Methylnaphthalene	2.944	142	294	1.993	ng/ml	98
12) 1-Methylnaphthalene	2.998	142	313	2.196	ng/ml	96
14) 2-Chloronaphthalene	3.209	162	336	2.115	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.434	152	540	2.127	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.530	153	334	2.193	ng/ml	93
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.819	166	454	2.261	ng/ml	92
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.127	284	168	2.364	ng/ml	99
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.346	178	700	2.327	ng/ml	99
27) Anthracene	4.376	178	689	2.217	ng/ml	100
28) Fluoranthene	5.011	202	1047	2.535	ng/ml	99
29) Pyrene	5.134	202	1088	2.542	ng/ml	100
32) Benzo[a]anthracene	5.833	228	4126	1.985	ng/ml#	74
33) 3,3'-Dichlorobenzene	5.826	252	303	1.820	ng/ml#	1
34) Chrysene	5.847	228	869	2.142	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	5.877	149	585	15.306	ng/ml	97
37) Benzo[b]fluoranthene	6.481	252	927	2.293	ng/ml	98
38) Benzo[k]fluoranthene	6.500	252	984M6	2.635	ng/ml	
39) Benzo[a]pyrene	6.717	252	803	2.243	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	7.709	276	786	2.172	ng/ml#	83
41) Dibenzo[a,h]anthracene	7.738	278	709	2.199	ng/ml	100
42) Benzo[g,h,i]perylene	7.975	276	804	2.259	ng/ml	99

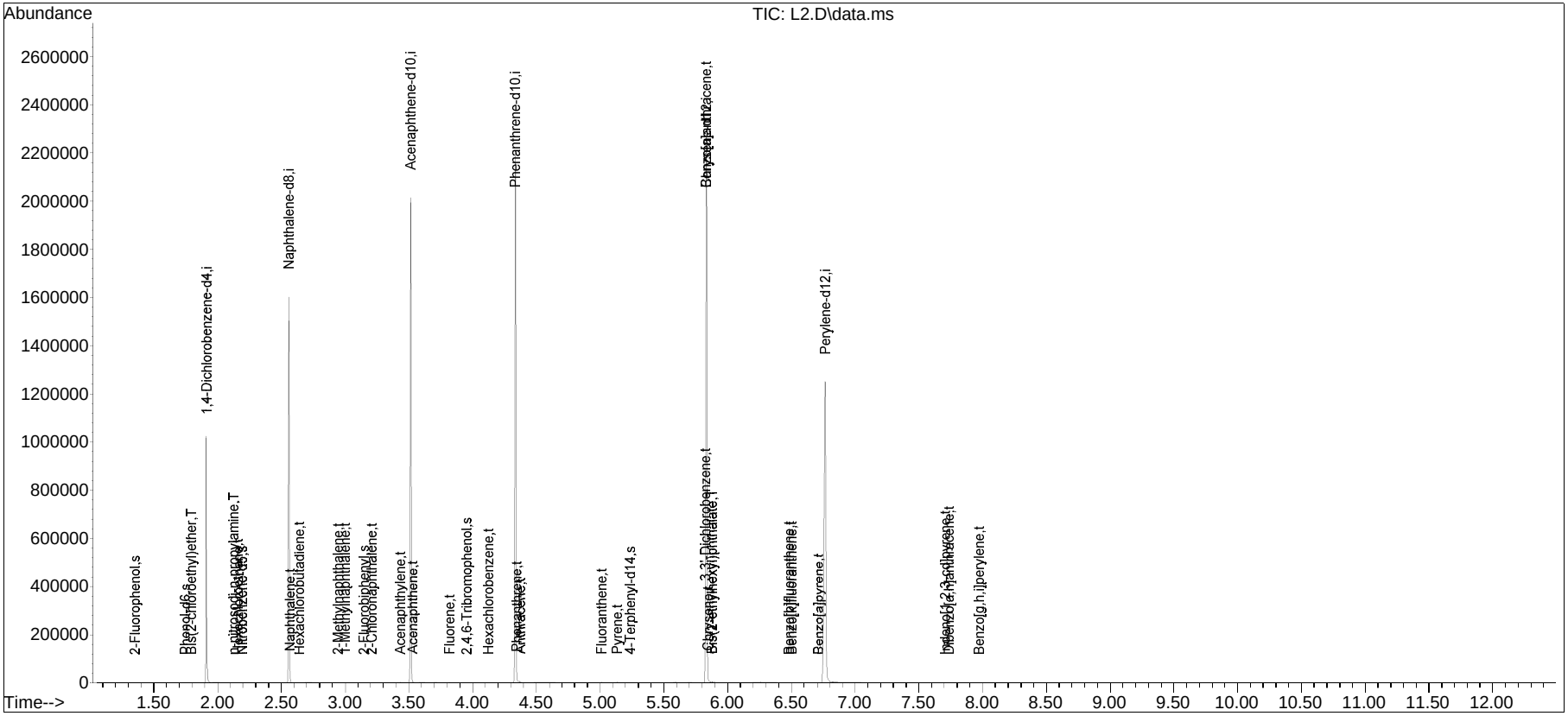
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

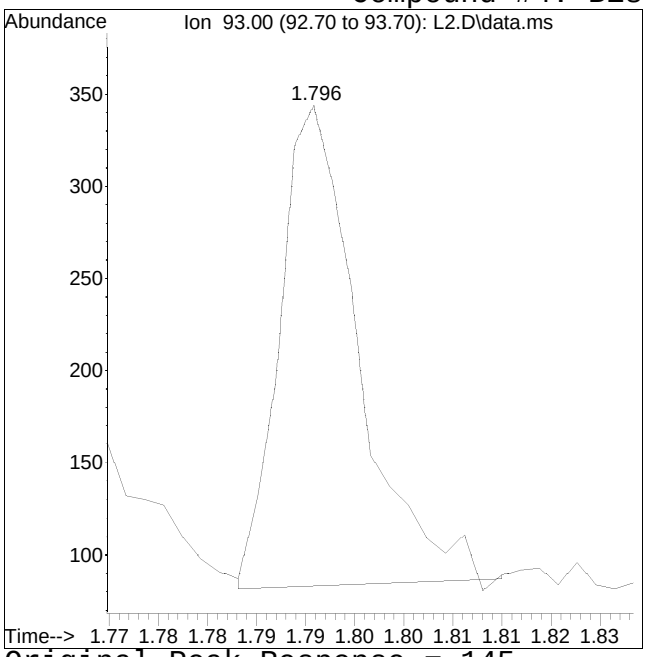
Sub List : Default - All compounds listedical\L8.D•



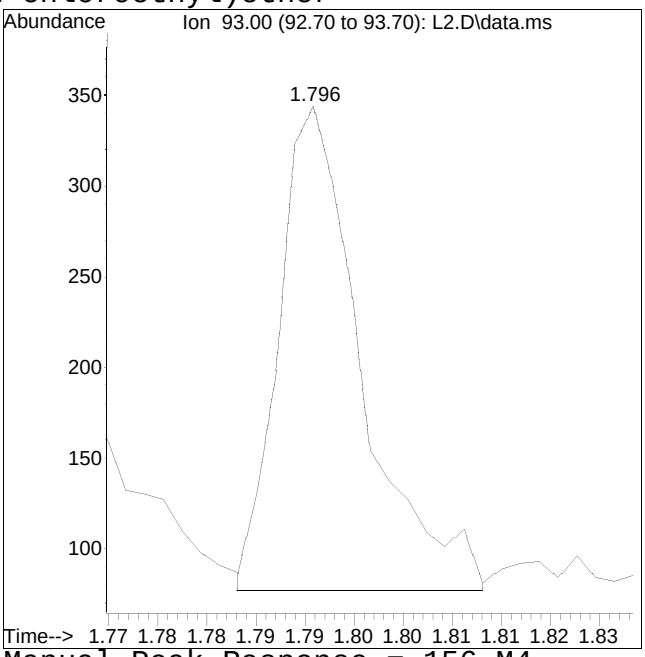
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 145



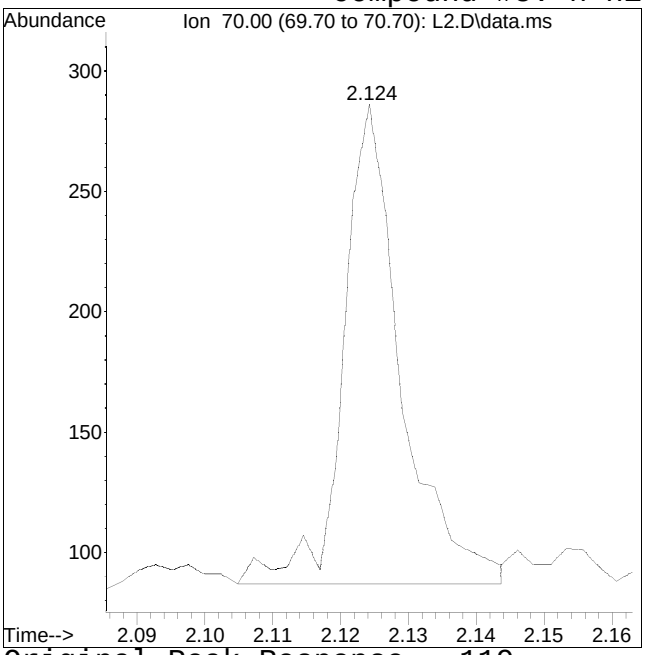
Manual Peak Response = 156 M4

M4 = Poor automated baseline construction.

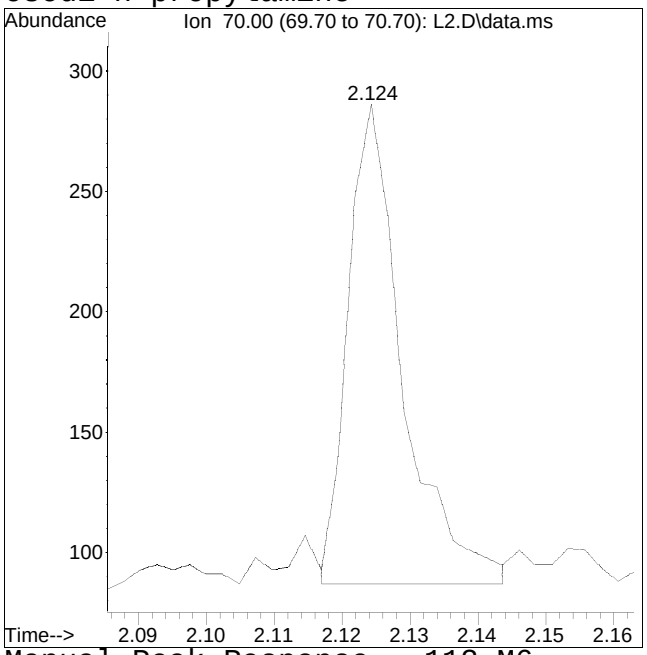
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 119



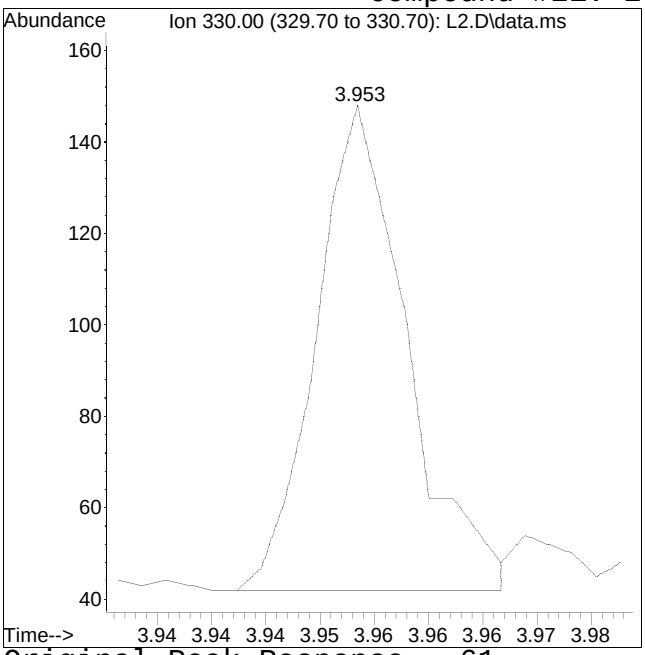
Manual Peak Response = 112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

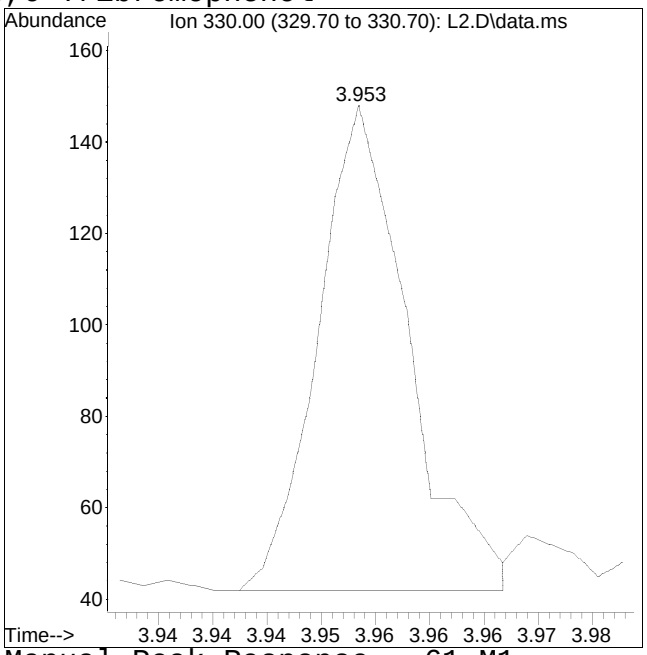
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 61



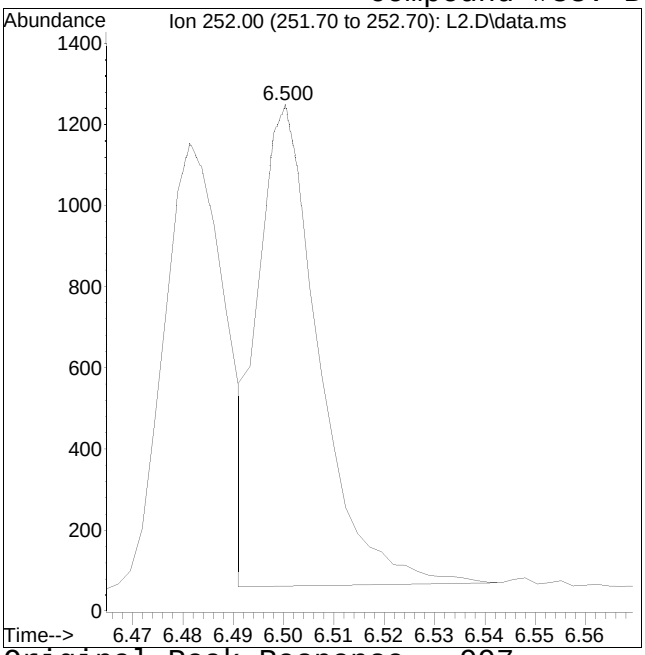
Manual Peak Response = 61 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

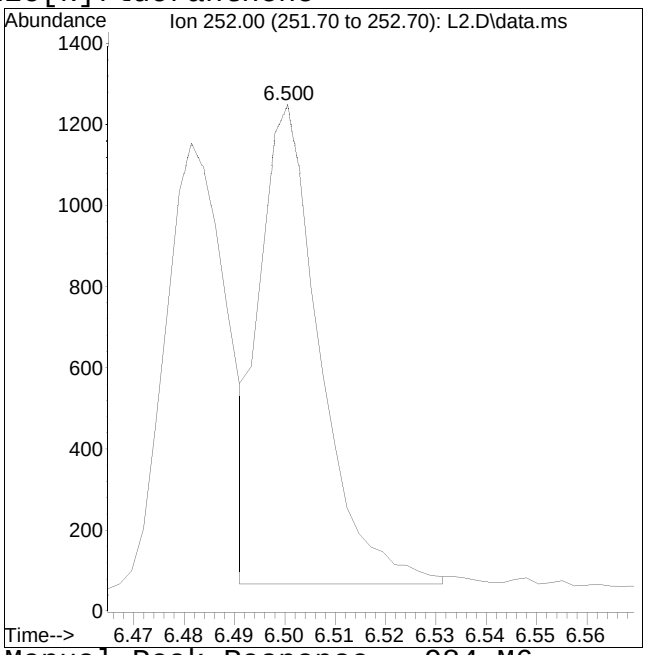
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 997



Manual Peak Response = 984 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.914	152	203550	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery	= 109.28%		
8) Naphthalene-d8	2.558	136	709280	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 102.54%		
17) Acenaphthene-d10	3.513	164	430918	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 101.63%		
22) Phenanthrene-d10	4.335	188	1016193	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 98.89%		
31) Chrysene-d12	5.832	240	1075525	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 111.34%		
36) Perylene-d12	6.764	264	970030	4000.000	ng/ml	-0.02
Standard Area 1 = 979854			Recovery	= 99.00%		
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
7) Nitrobenzene-d5	0.000	82	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.00%#		
13) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.00%#		
21) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
30) 4-Terphenyl-d14	5.238	244	413	1.470	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.07%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.569	128	204M6	1.039	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	2.944	142	139	0.945	ng/ml	86
12) 1-Methylnaphthalene	2.998	142	151	1.062	ng/ml	99
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.434	152	268	1.058	ng/ml	94
18) Acenaphthene	3.530	153	175	1.163	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.		
20) Fluorene	3.817	166	218	1.100	ng/ml	89
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.348	178	363	1.229	ng/ml	93
27) Anthracene	4.376	178	352	1.153	ng/ml#	89
28) Fluoranthene	5.011	202	544	1.341	ng/ml	97
29) Pyrene	5.134	202	575	1.368	ng/ml	98
32) Benzo[a]anthracene	5.831	228	3582	0.772	ng/ml#	70
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	5.844	228	460	1.149	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	5.875	149	341	14.504	ng/ml#	90
37) Benzo[b]fluoranthene	6.479	252	479	1.192	ng/ml	93
38) Benzo[k]fluoranthene	6.496	252	547M6	1.474	ng/ml	
39) Benzo[a]pyrene	6.712	252	428	1.203	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.707	276	445	1.237	ng/ml	100
41) Dibenzo[a,h]anthracene	7.733	278	377	1.177	ng/ml	93
42) Benzo[g,h,i]perylene	7.973	276	439	1.241	ng/ml	94

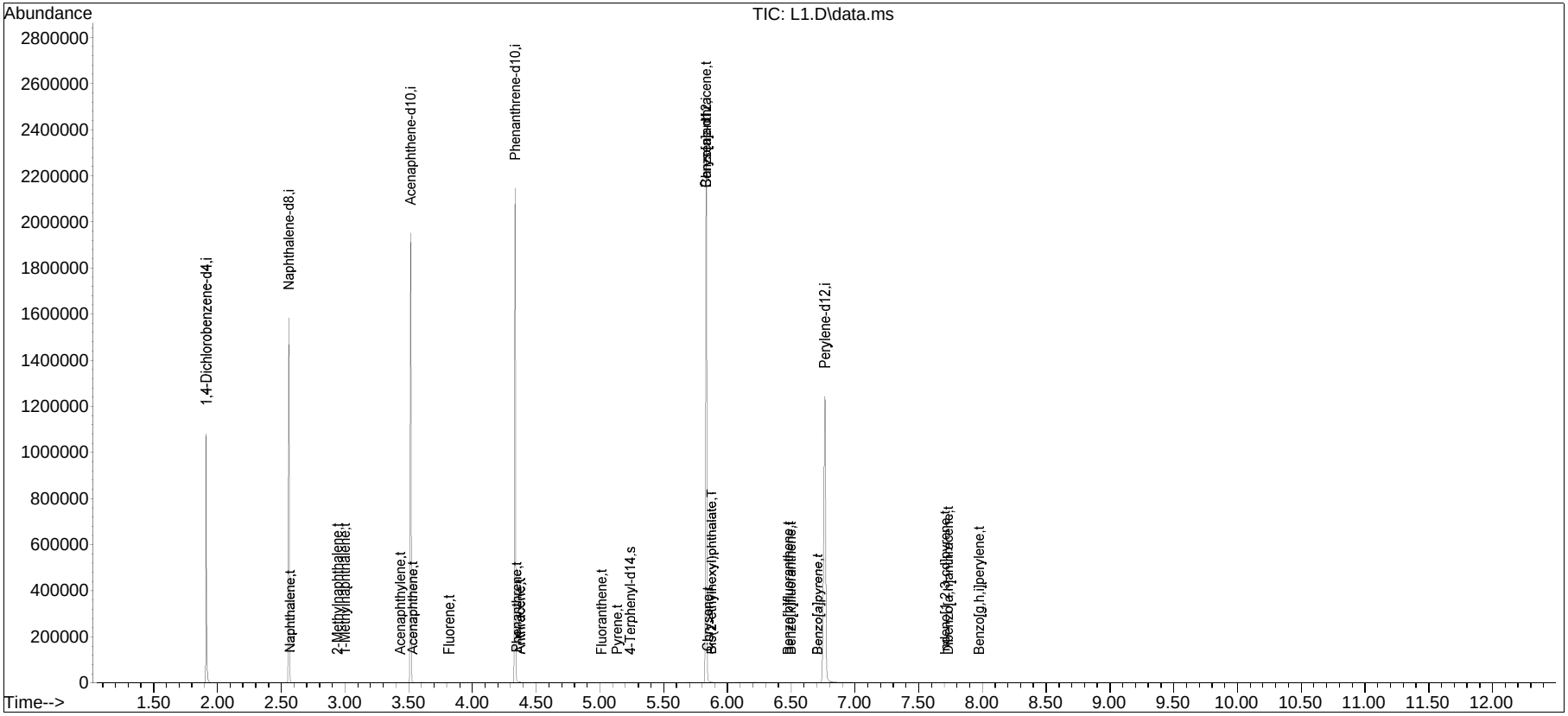
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

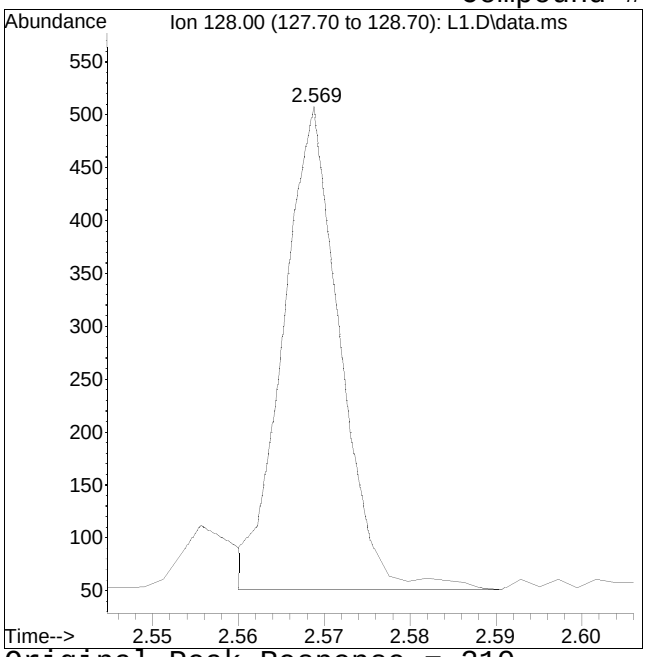
Sub List : Default - All compounds listedical\L8.D•



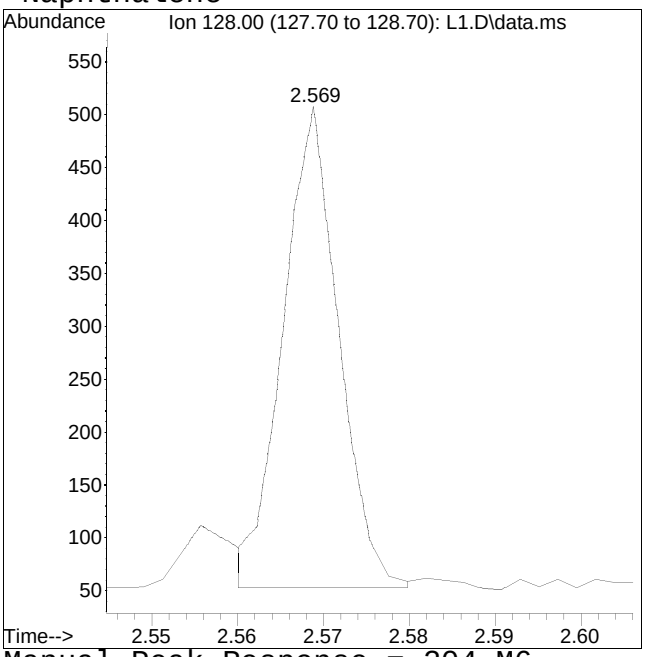
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L1.D
Date Inj'd : 6/21/2024 5:17 pm
Sample : IL1,32,, #10759 1 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #9: Naphthalene



Original Peak Response = 210



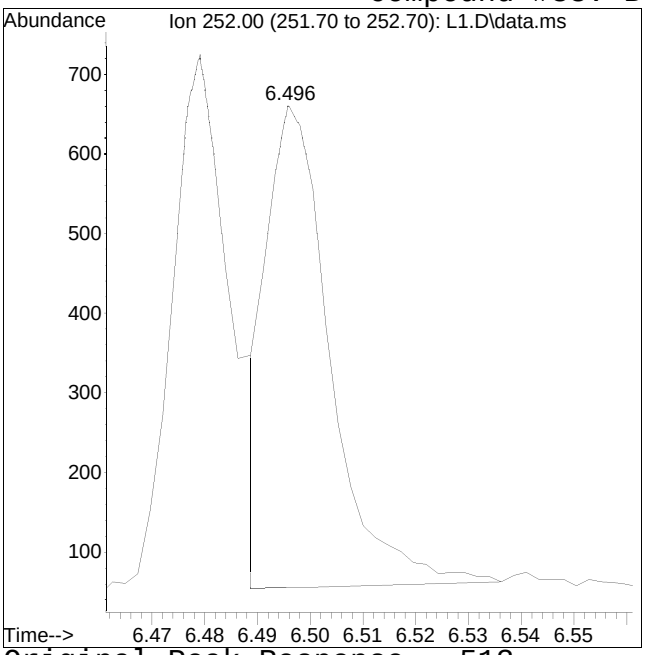
Manual Peak Response = 204 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

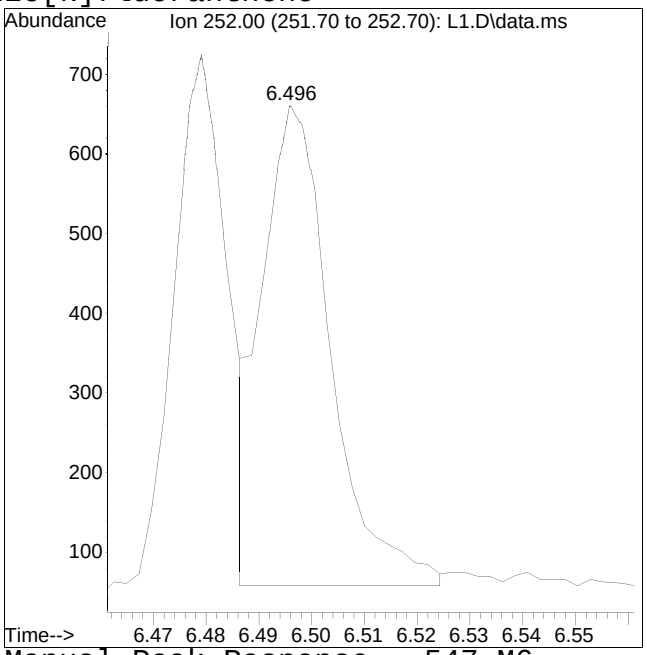
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L1.D
Date Inj'd : 6/21/2024 5:17 pm
Sample : IL1,32,, #10759 1 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 513



Manual Peak Response = 547 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.01
2	s	2-Fluorophenol	1.411	1.274	9.7	98	0.01
3	s	Phenol-d6	1.780	1.667	6.3	98	0.01
4	T	Bis(2-chloroethyl)ether	1.430	1.327	7.2	101	0.01
5	T	n-nitrosodi-n-propylamine	1.088	1.062	2.4	100	0.00
6	t	Hexachloroethane	0.664	0.603	9.2	101	0.00
7	s	Nitrobenzene-d5	1.561	1.498	4.0	100	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	108	0.00
9	t	Naphthalene	1.104	1.006	8.9	100	0.00
10	t	Hexachlorobutadiene	0.248	0.232	6.5	105	0.00
11	t	2-Methylnaphthalene	0.830	0.811	2.3	103	0.00
12	t	1-Methylnaphthalene	0.802	0.725	9.6	101	0.00
13	s	2-Fluorobiphenyl	1.034	0.925	10.5	102	0.00
14	t	2-Chloronaphthalene	0.894	0.822	8.1	101	0.00
15	t	2,6-Dinitrotoluene	0.241	0.237	1.7	99	0.00
16	t	Acenaphthylene	1.429	1.296	9.3	99	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
18	t	Acenaphthene	1.396	1.315	5.8	103	0.00
19	t	2,4-Dinitrotoluene	0.535	0.535	0.0	98	0.00
20	t	Fluorene	1.840	1.661	9.7	101	0.00
21	s	2,4,6-Tribromophenol	0.279	0.279	0.0	98	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	107	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	880.620	11.9	95	0.00
24	t	Hexachlorobenzene	0.275	0.245	10.9	101	0.00
25	t	Pentachlorophenol	*1000.000	953.975	4.6	98	0.00
26	t	Phenanthrene	1.163	1.032	11.3	99	0.00
27	t	Anthracene	1.201	1.124	6.4	100	0.00
28	t	Fluoranthene	1.597	1.383	13.4	99	0.00
29	t	Pyrene	1.655	1.405	15.1	99	0.00
30	s	4-Terphenyl-d14	1.106	0.952	13.9	100	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	108	0.00
32	t	Benzo[a]anthracene	*1000.000	951.603	4.8	96	0.00
33	t	3,3'-Dichlorobenzene	0.611	0.580	5.1	95	0.00
34	t	Chrysene	1.489	1.363	8.5	97	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	913.160	8.7	97	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	106	-0.02
37	t	Benzo[b]fluoranthene	1.657	1.506	9.1	99	-0.01
38	t	Benzo[k]fluoranthene	1.531	1.293	15.5	98	-0.02
39	t	Benzo[a]pyrene	1.467	1.323	9.8	97	-0.02
40	t	Indeno[1,2,3-cd]pyrene	1.483	1.316	11.3	94	-0.02
41	t	Dibenzo[a,h]anthracene	1.321	1.137	13.9	93	-0.02
42	t	Benzo[g,h,i]perylene	1.459	1.242	14.9	94	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.915	152	202001	4000.000	ng/ml	0.01
Standard Area 1 = 186265			Recovery = 108.45%			
8) Naphthalene-d8	2.557	136	747112	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 108.01%			
17) Acenaphthene-d10	3.515	164	463193	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 109.24%			
22) Phenanthrene-d10	4.337	188	1102241	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 107.26%			
31) Chrysene-d12	5.835	240	1041875	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 107.86%			
36) Perylene-d12	6.764	264	1037753	4000.000	ng/ml	-0.02
Standard Area 1 = 979854			Recovery = 105.91%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.349	112	64359	903.199	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.16%			
3) Phenol-d6	1.746	99	84165	936.493	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.82%			
7) Nitrobenzene-d5	2.190	82	75641	959.502	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.95%			
13) 2-Fluorobiphenyl	3.150	172	172844	894.880	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.49%			
21) 2,4,6-Tribromophenol	3.951	330	32251	997.217	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.86%			
30) 4-Terphenyl-d14	5.238	244	262424	861.230	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 43.06%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.792	93	66997	927.880	ng/ml	99
5) n-nitrosodi-n-propylamine	2.117	70	53622	975.530	ng/ml	100
6) Hexachloroethane	2.161	117	30445	908.425	ng/ml	99
9) Naphthalene	2.568	128	187929	911.101	ng/ml	100
10) Hexachlorobutadiene	2.643	225	43320	935.654	ng/ml	100
11) 2-Methylnaphthalene	2.944	142	151466	977.108	ng/ml	100
12) 1-Methylnaphthalene	2.996	142	135334	903.201	ng/ml	100
14) 2-Chloronaphthalene	3.207	162	153464	918.886	ng/ml	100
15) 2,6-Dinitrotoluene	3.410	165	44232	983.548	ng/ml	100
16) Acenaphthylene	3.434	152	241981	906.891	ng/ml	100
18) Acenaphthene	3.532	153	152236	941.580	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.633	165	61973	1000.907	ng/ml	99
20) Fluorene	3.817	166	192295	902.360	ng/ml	100
23) 4,6-Dinitro-o-cresol	3.859	198	39842	880.620	ng/ml	99
24) Hexachlorobenzene	4.129	284	67436	891.030	ng/ml	100
25) Pentachlorophenol	4.241	266	44915	953.975	ng/ml	99
26) Phenanthrene	4.349	178	284491	887.815	ng/ml	100
27) Anthracene	4.376	178	309800	935.732	ng/ml	100
28) Fluoranthene	5.009	202	381208	866.385	ng/ml	100
29) Pyrene	5.134	202	387138	849.084	ng/ml	100
32) Benzo[a]anthracene	5.826	228	375288	951.603	ng/ml	100
33) 3,3'-Dichlorobenzene	5.822	252	151190	950.099	ng/ml	100
34) Chrysene	5.848	228	354927	915.312	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.875	149	256817	913.160	ng/ml	100
37) Benzo[b]fluoranthene	6.479	252	390762	909.142	ng/ml	100
38) Benzo[k]fluoranthene	6.496	252	335346	844.528	ng/ml	100
39) Benzo[a]pyrene	6.710	252	343357	901.971	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	7.702	276	341330	886.987	ng/ml	100
41) Dibenzo[a,h]anthracene	7.731	278	295075M6	860.795	ng/ml	
42) Benzo[g,h,i]perylene	7.971	276	322203	851.232	ng/ml	99

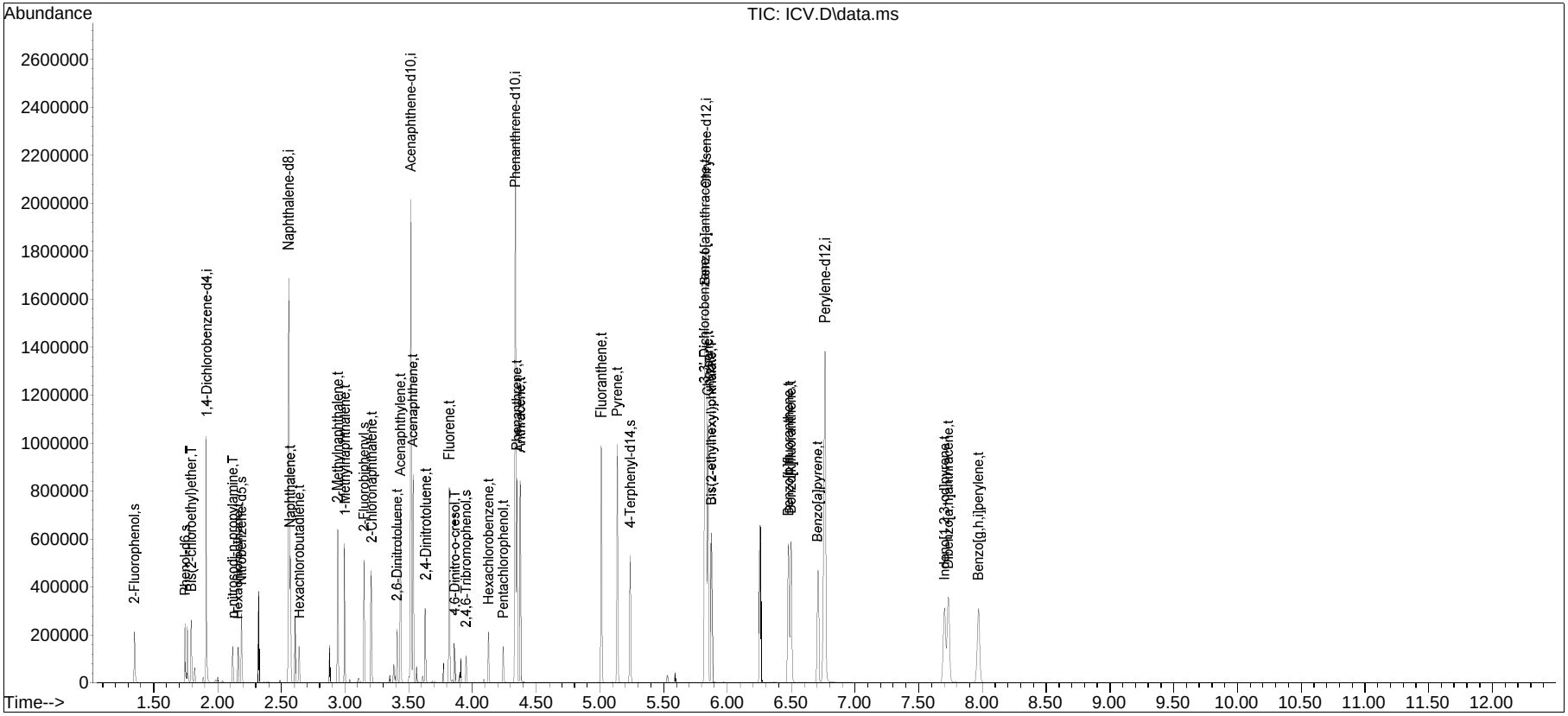
(#) = qualifier out of range (m) = manual integration (+) = signals summed

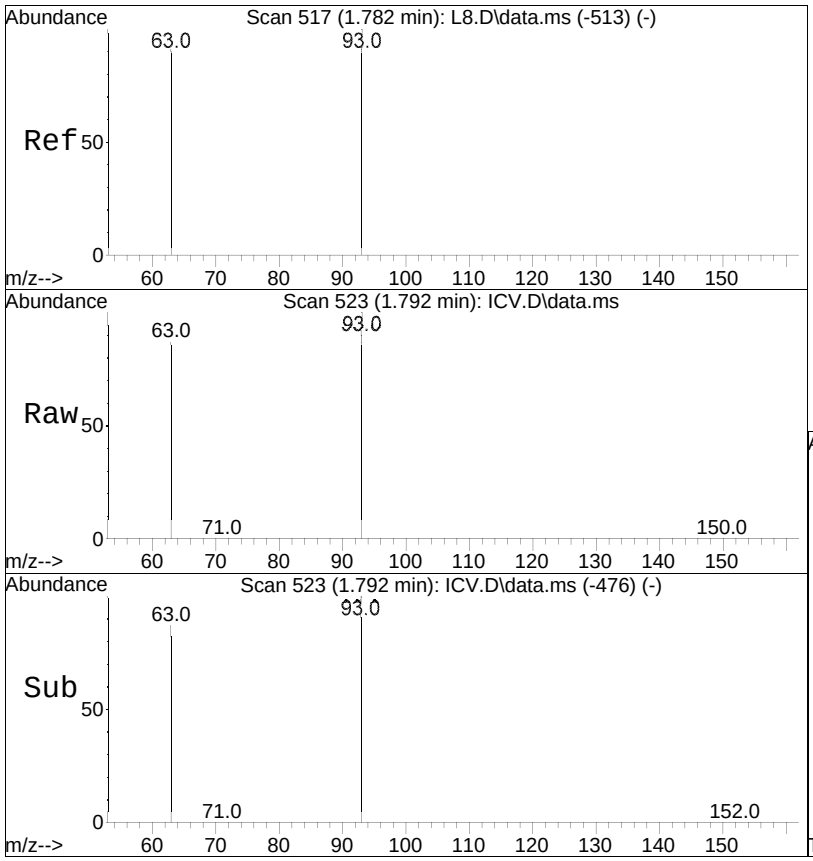
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

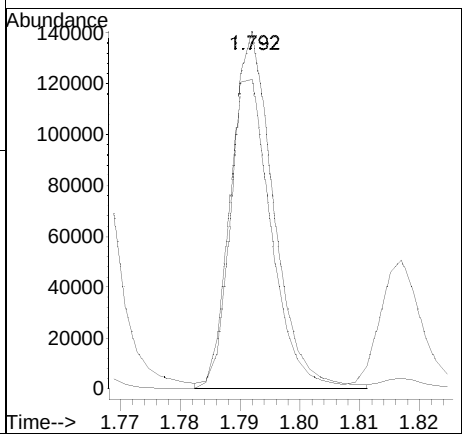


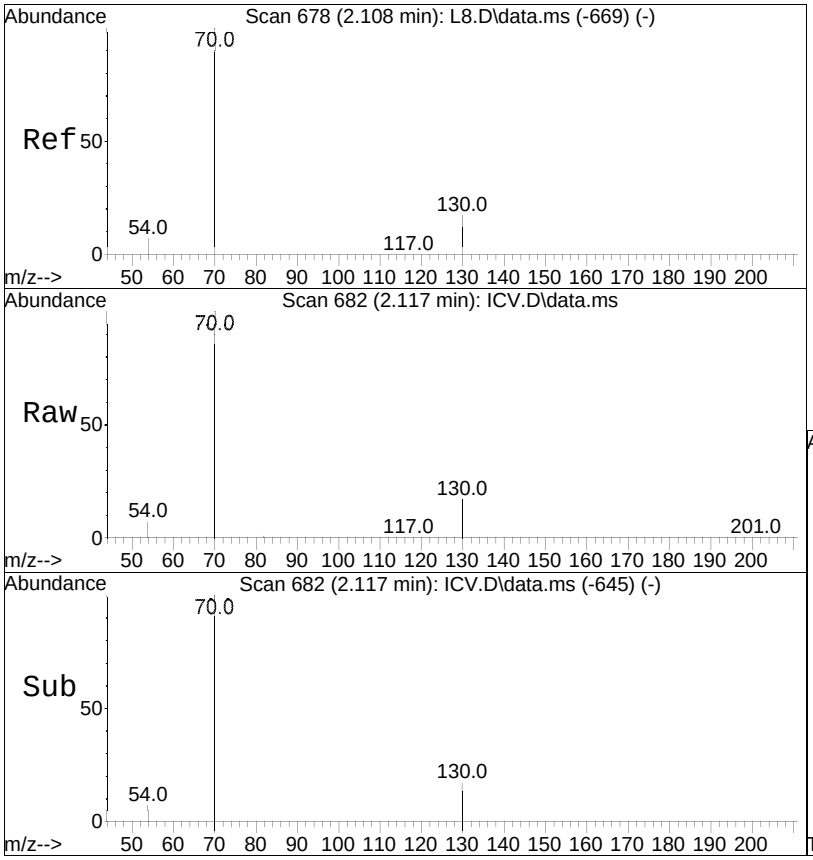


#4
Bis(2-chloroethyl)ether
Concen: 927.88 ng/ml
RT: 1.792 min Scan# 523
Delta R.T. 0.010 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion: 93 Resp: 66997

Ion	Ratio	Lower	Upper
93	100		
63	88.9	71.7	107.5

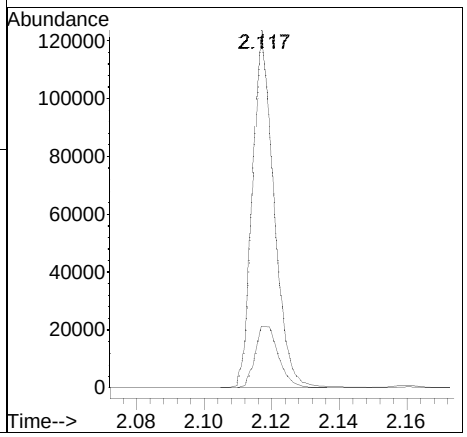


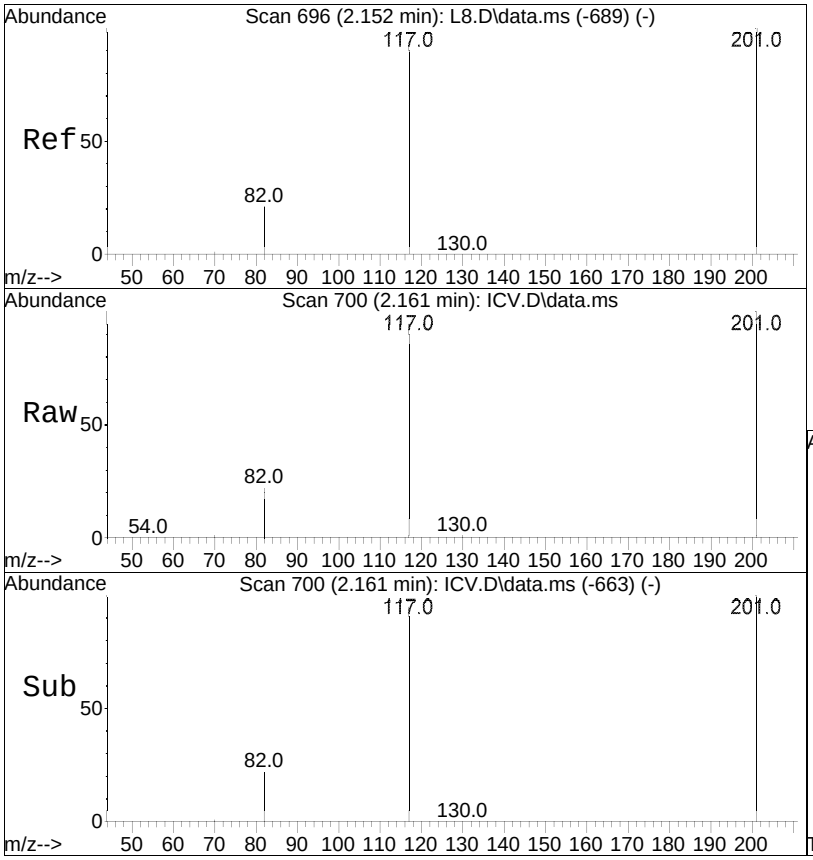


#5
n-nitrosodi-n-propylamine
Concen: 975.53 ng/ml
RT: 2.117 min Scan# 682
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion: 70 Resp: 53622

Ion	Ratio	Lower	Upper
70	100		
130	18.9	15.1	22.7

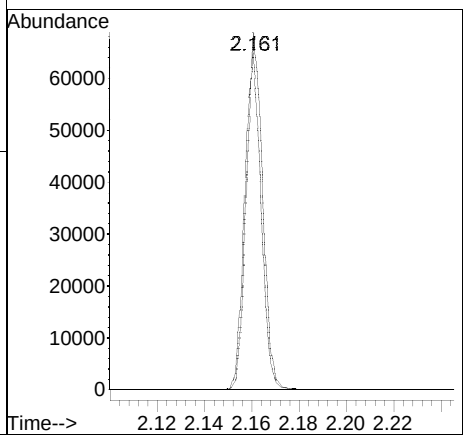


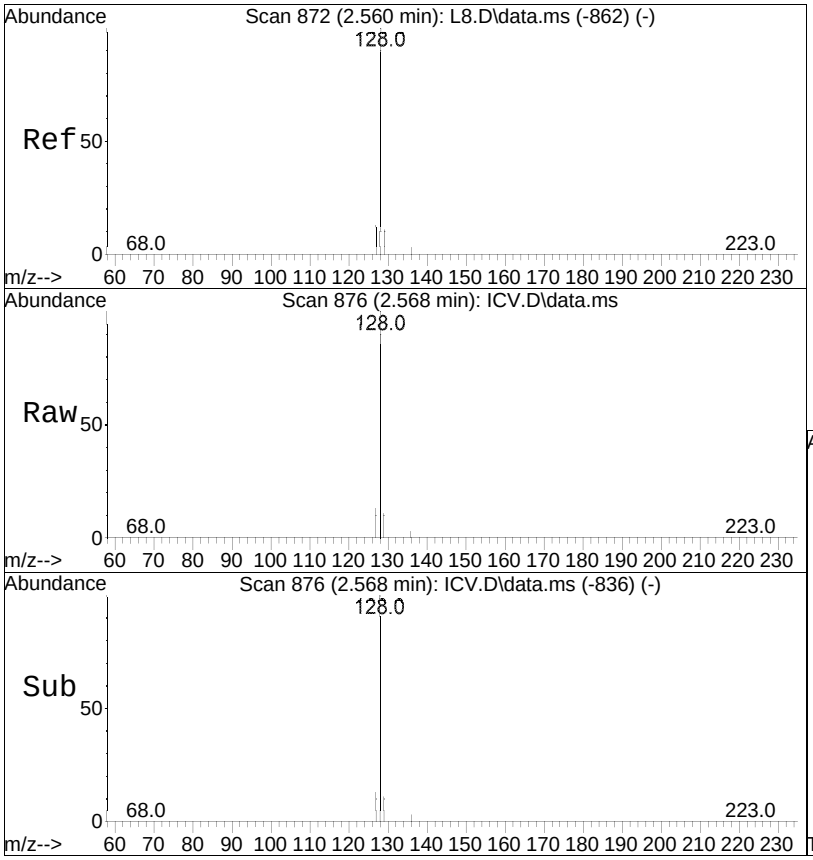


#6
Hexachloroethane
Concen: 908.42 ng/ml
RT: 2.161 min Scan# 700
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:117 Resp: 30445

Ion	Ratio	Lower	Upper
117	100		
201	105.1	83.0	124.6

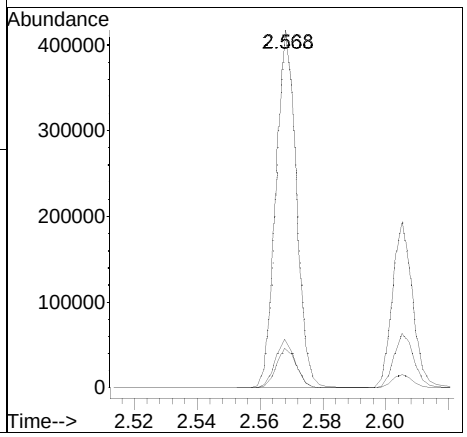


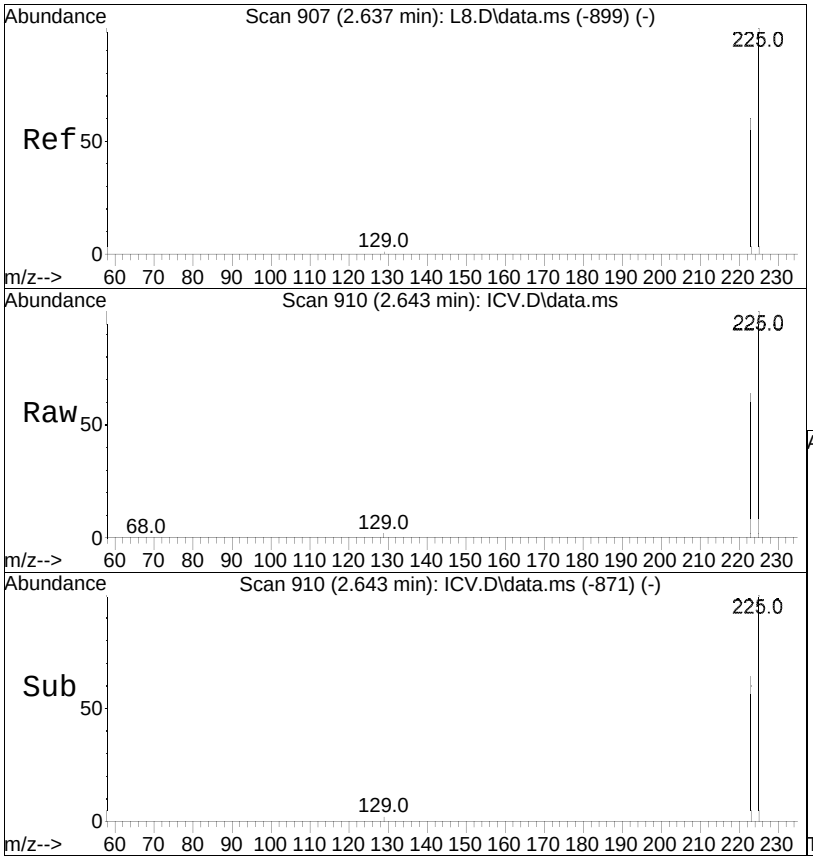


#9
Naphthalene
Concen: 911.10 ng/ml
RT: 2.568 min Scan# 876
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:128 Resp: 187929

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	15.8

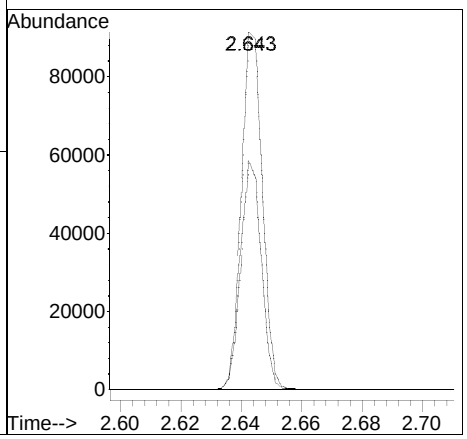


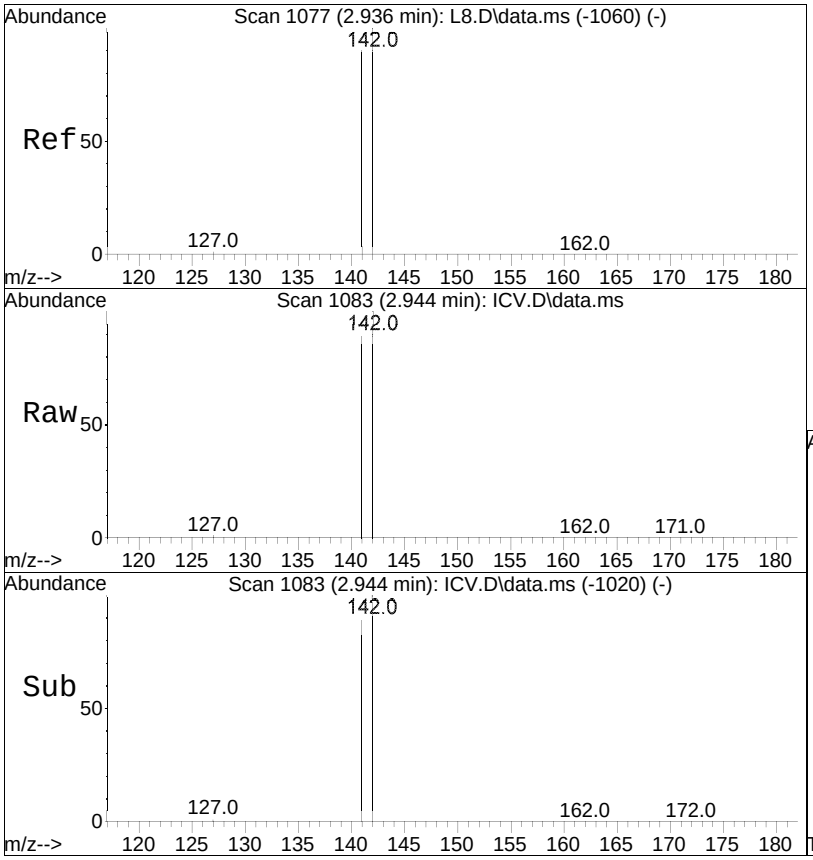


#10
Hexachlorobutadiene
Concen: 935.65 ng/ml
RT: 2.643 min Scan# 910
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:225 Resp: 43320

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

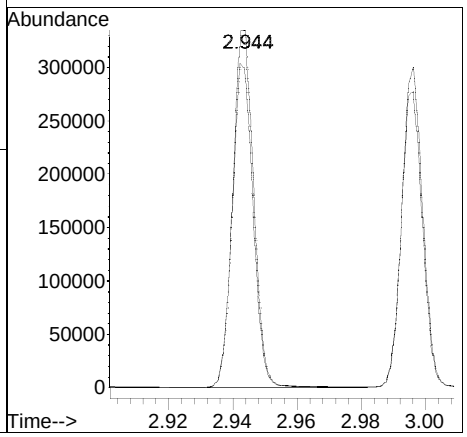


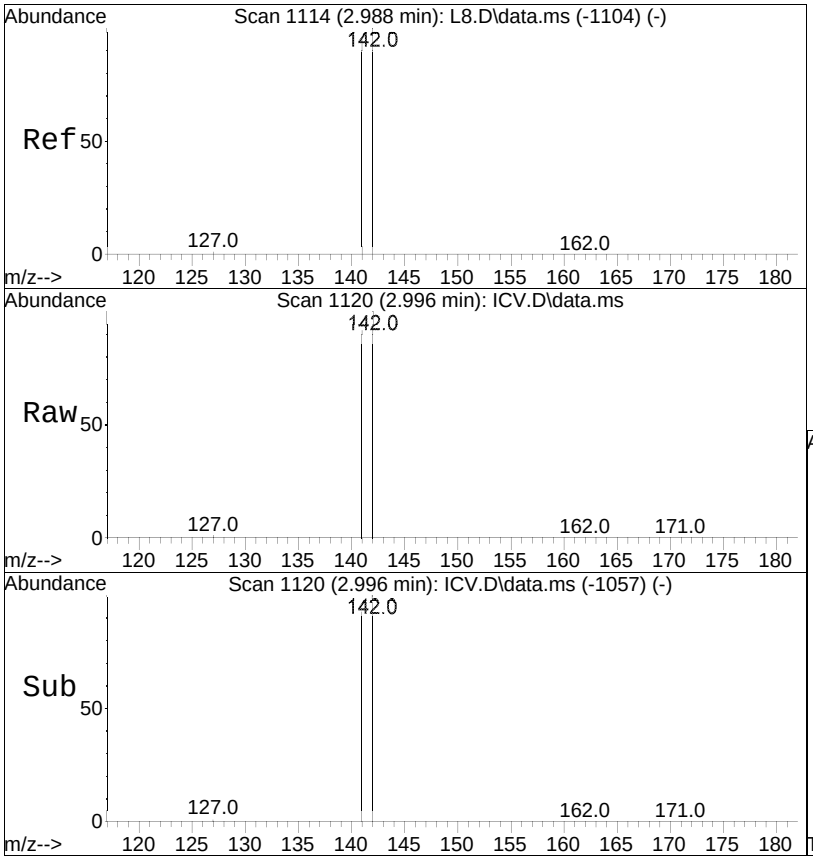


#11
2-Methylnaphthalene
Concen: 977.11 ng/ml
RT: 2.944 min Scan# 1083
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:142 Resp: 151466

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5

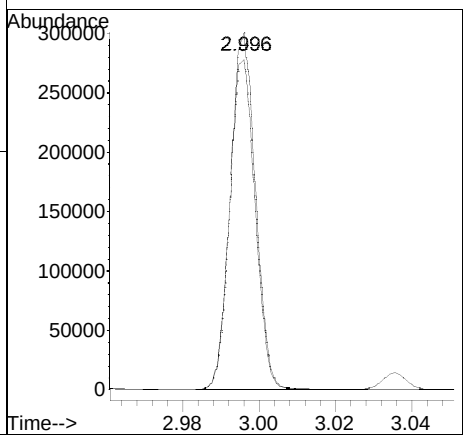


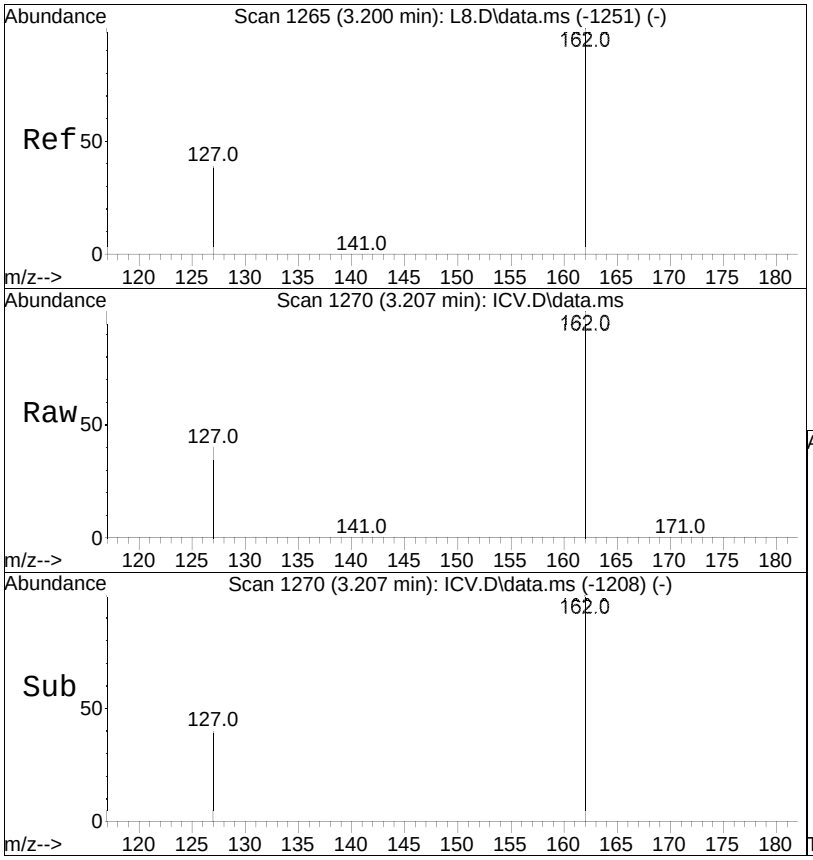


#12
1-Methylnaphthalene
Concen: 903.20 ng/ml
RT: 2.996 min Scan# 1120
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:142 Resp: 135334

Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.9	112.3

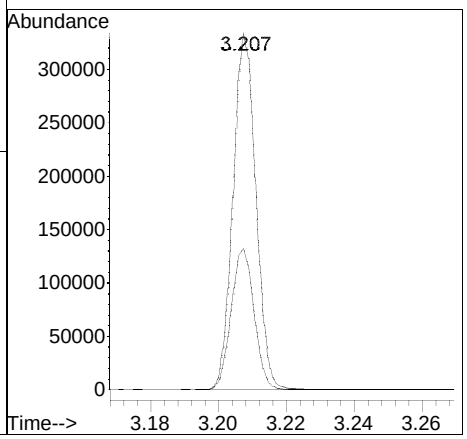


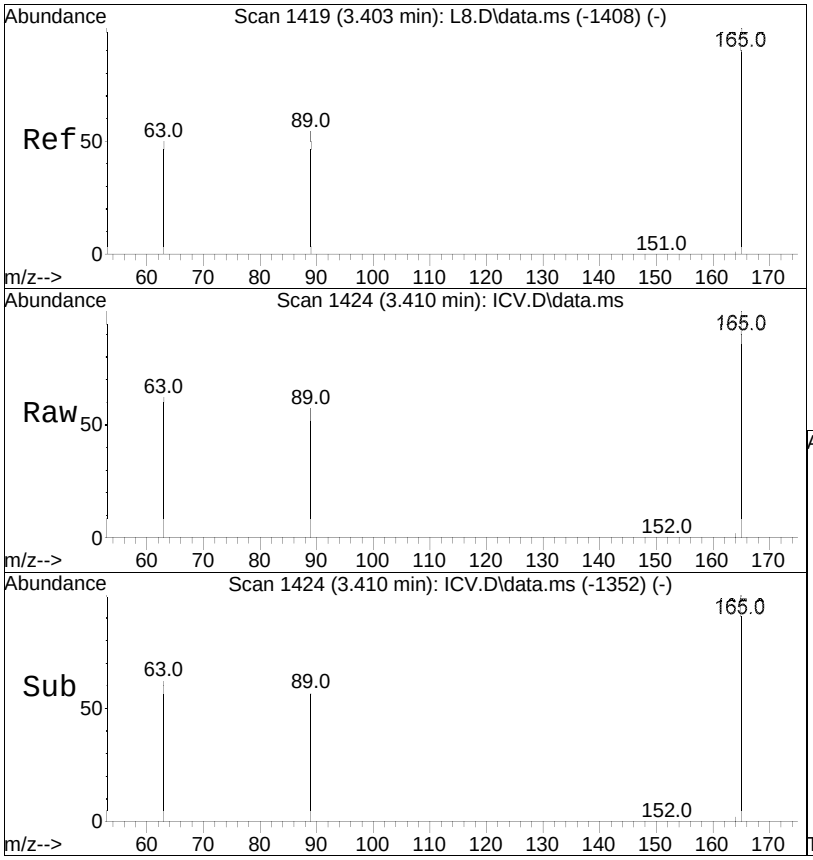


#14
2-Chloronaphthalene
Concen: 918.89 ng/ml
RT: 3.207 min Scan# 1270
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:162 Resp: 153464

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.0	48.0

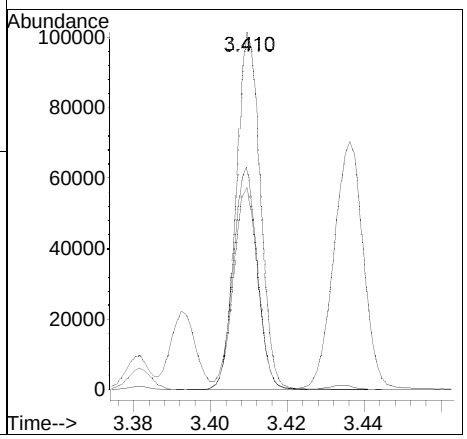


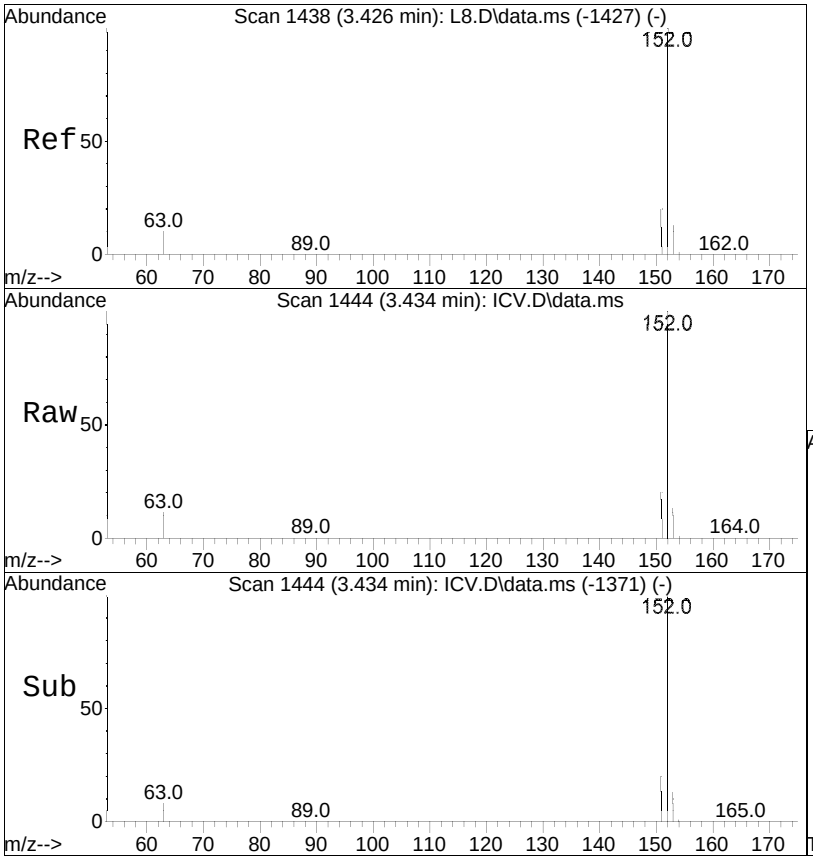


#15
2,6-Dinitrotoluene
Concen: 983.55 ng/ml
RT: 3.410 min Scan# 1424
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:165 Resp: 44232

Ion	Ratio	Lower	Upper
165	100		
89	57.0	45.7	68.5
63	61.6	49.8	74.6

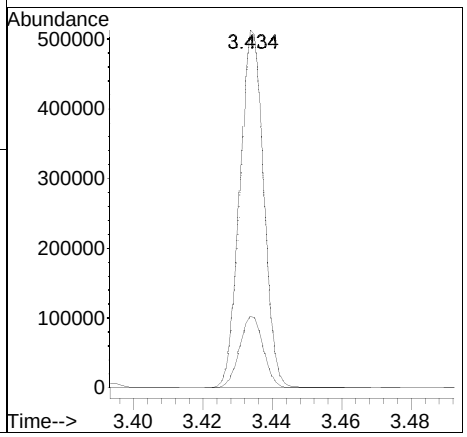


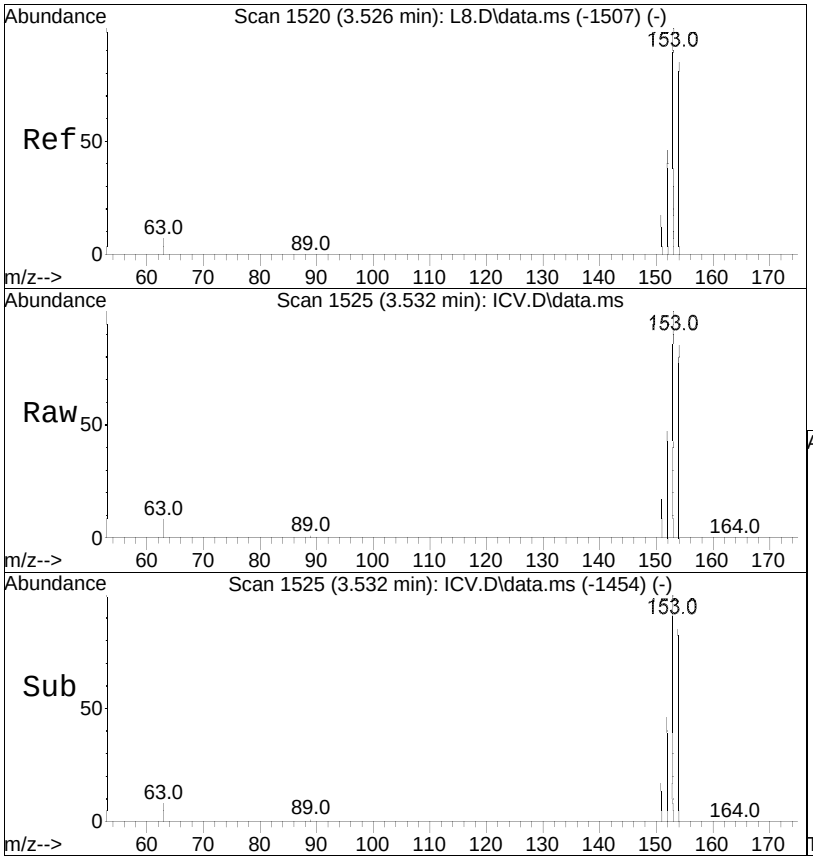


#16
Acenaphthylene
Concen: 906.89 ng/ml
RT: 3.434 min Scan# 1444
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:152 Resp: 241981

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0

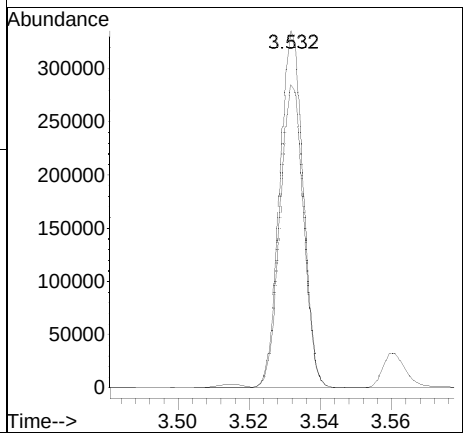


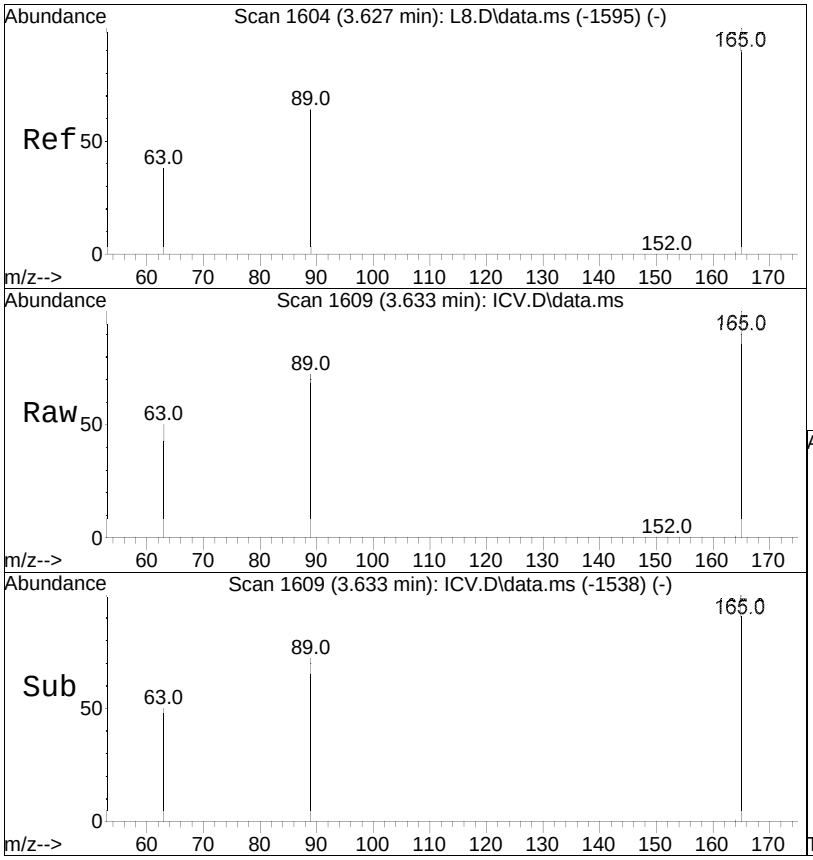


#18
Acenaphthene
Concen: 941.58 ng/ml
RT: 3.532 min Scan# 1525
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:153 Resp: 152236

Ion	Ratio	Lower	Upper
153	100		
154	85.1	68.1	102.1

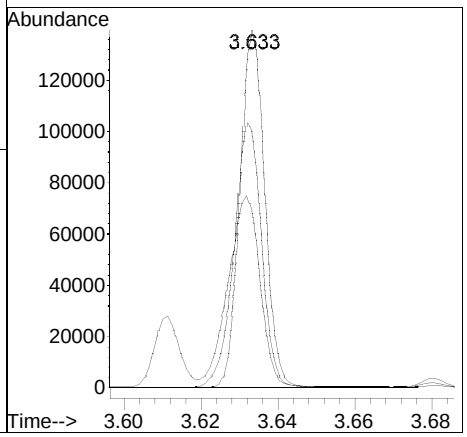


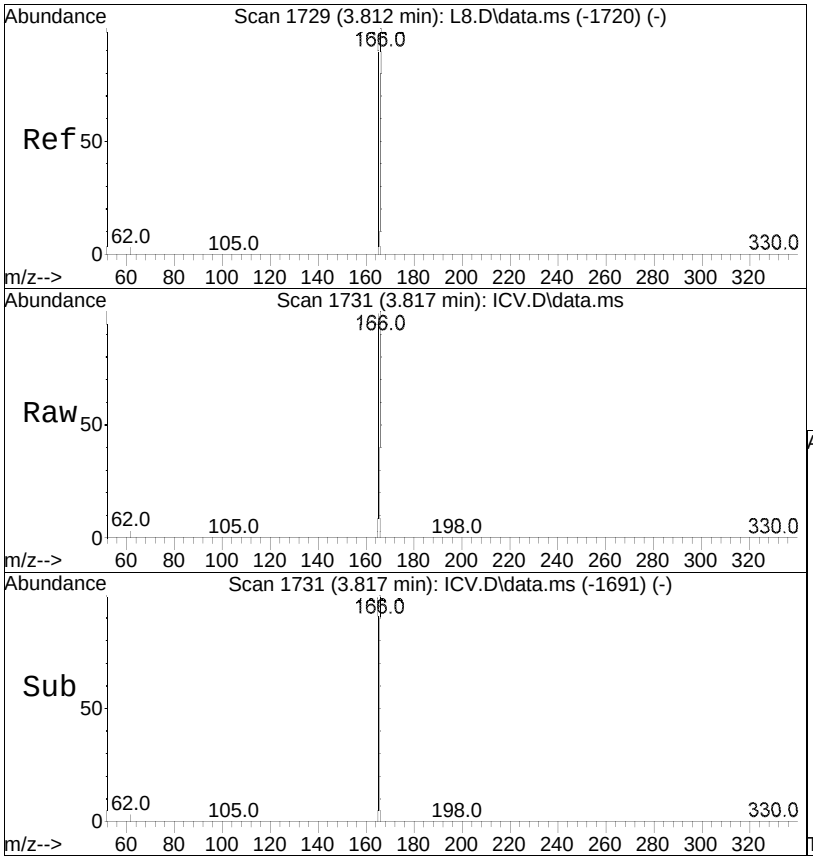


#19
2,4-Dinitrotoluene
Concen: 1000.91 ng/ml
RT: 3.633 min Scan# 1609
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:165 Resp: 61973

Ion	Ratio	Lower	Upper
165	100		
89	82.6	65.8	98.6
63	69.3	55.0	82.4

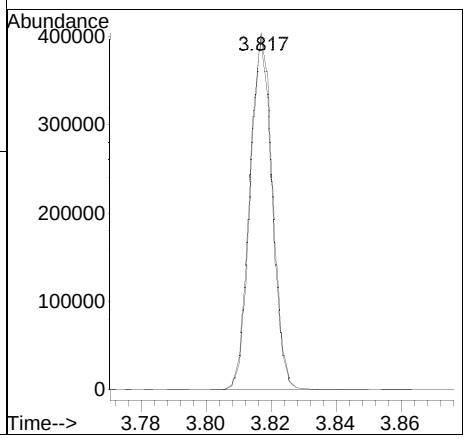


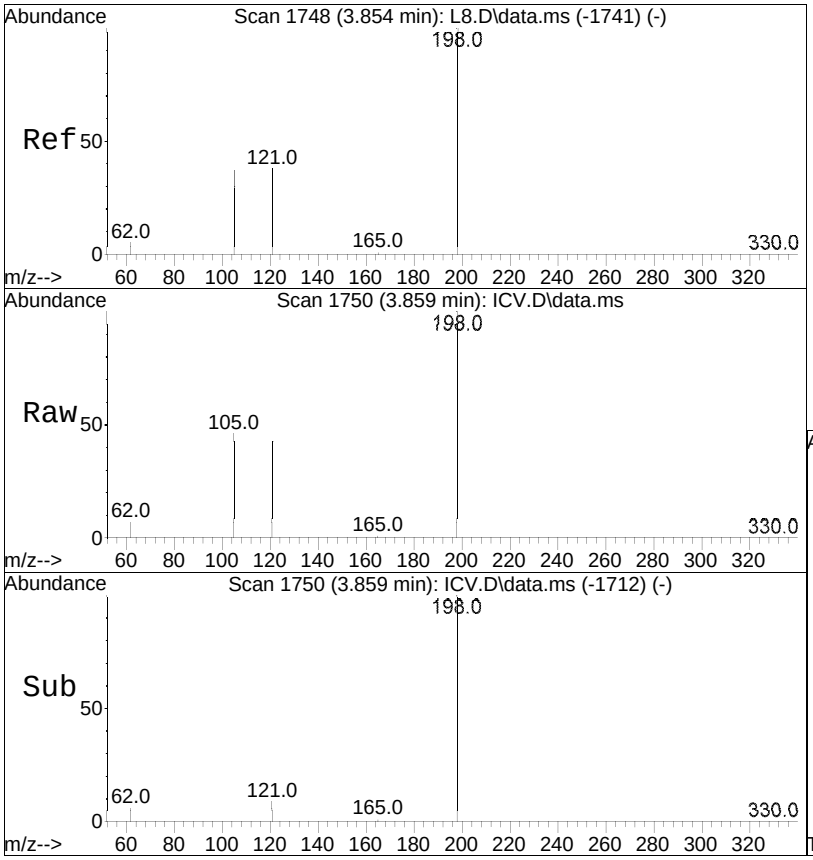


#20
Fluorene
Concen: 902.36 ng/ml
RT: 3.817 min Scan# 1731
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:166 Resp: 192295

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.3	118.9

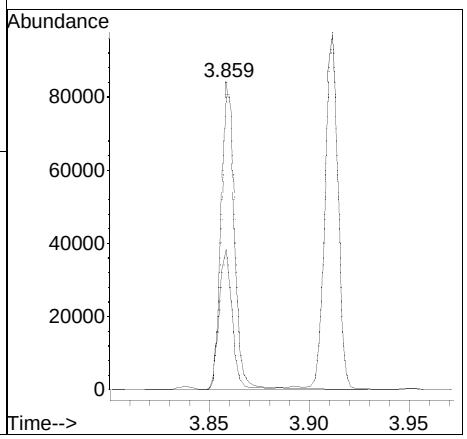


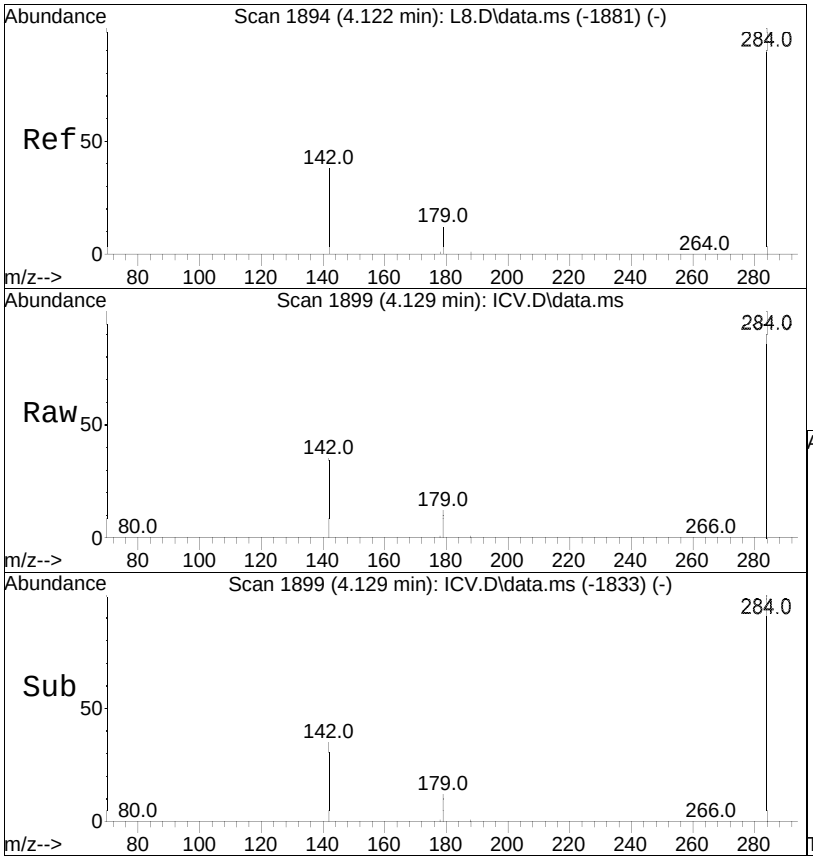


#23
4,6-Dinitro-o-cresol
Concen: 880.62 ng/ml
RT: 3.859 min Scan# 1750
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:198 Resp: 39842

Ion	Ratio	Lower	Upper
198	100		
105	43.8	35.6	53.4

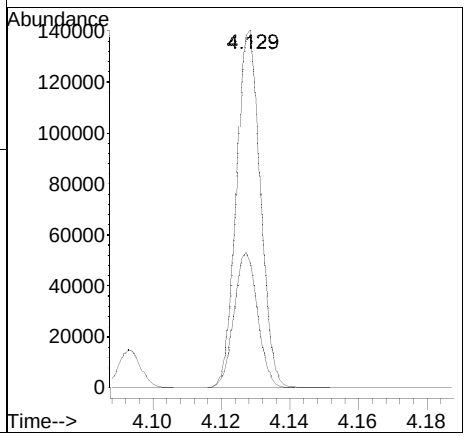


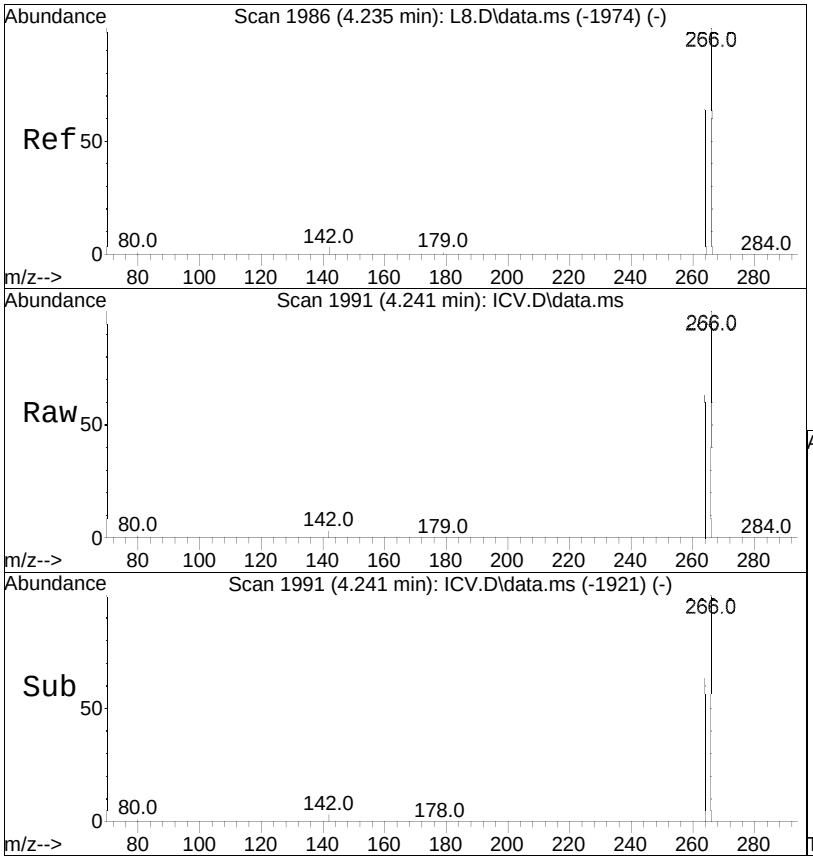


#24
Hexachlorobenzene
Concen: 891.03 ng/ml
RT: 4.129 min Scan# 1899
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:284 Resp: 67436

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.0	45.0

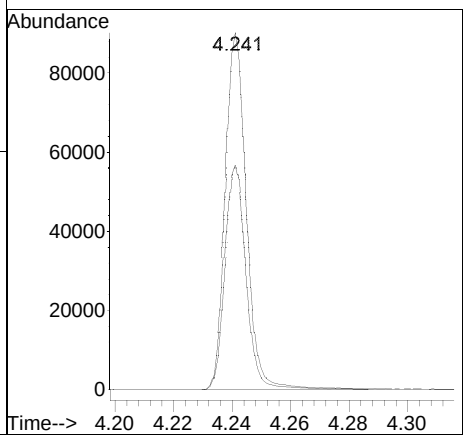


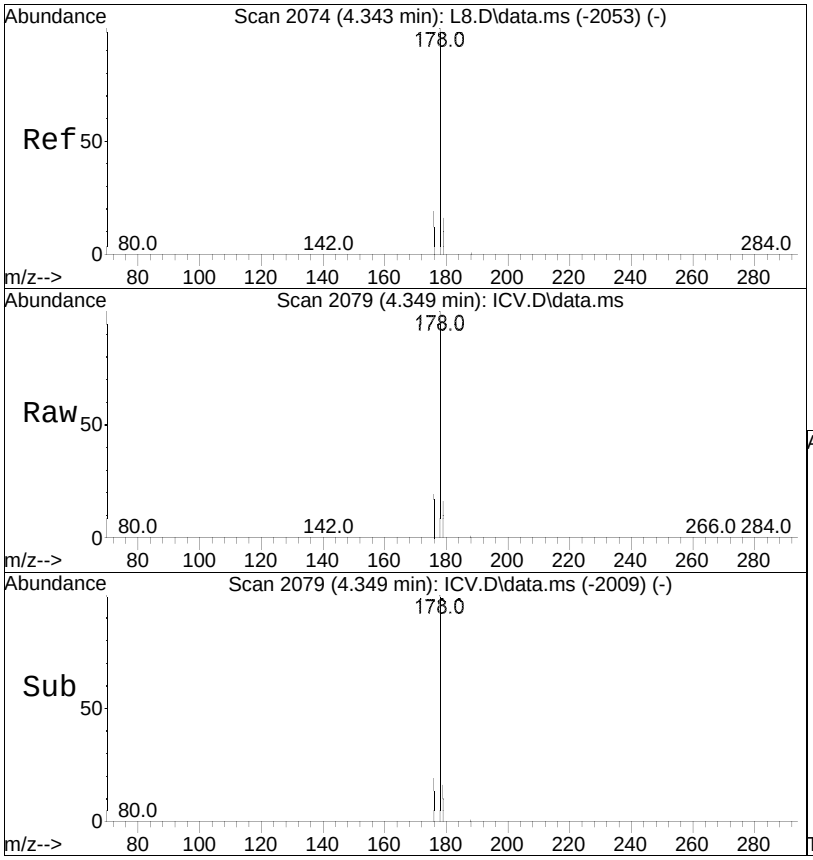


#25
Pentachlorophenol
Concen: 953.98 ng/ml
RT: 4.241 min Scan# 1991
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:266 Resp: 44915

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.9	74.9

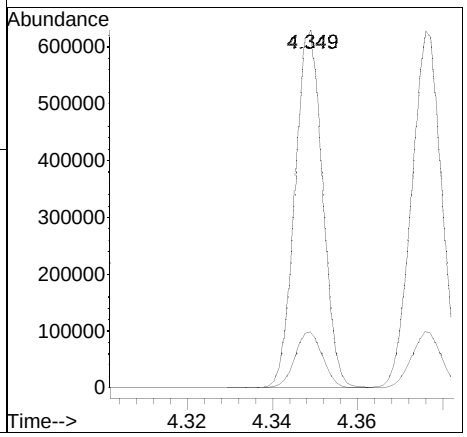


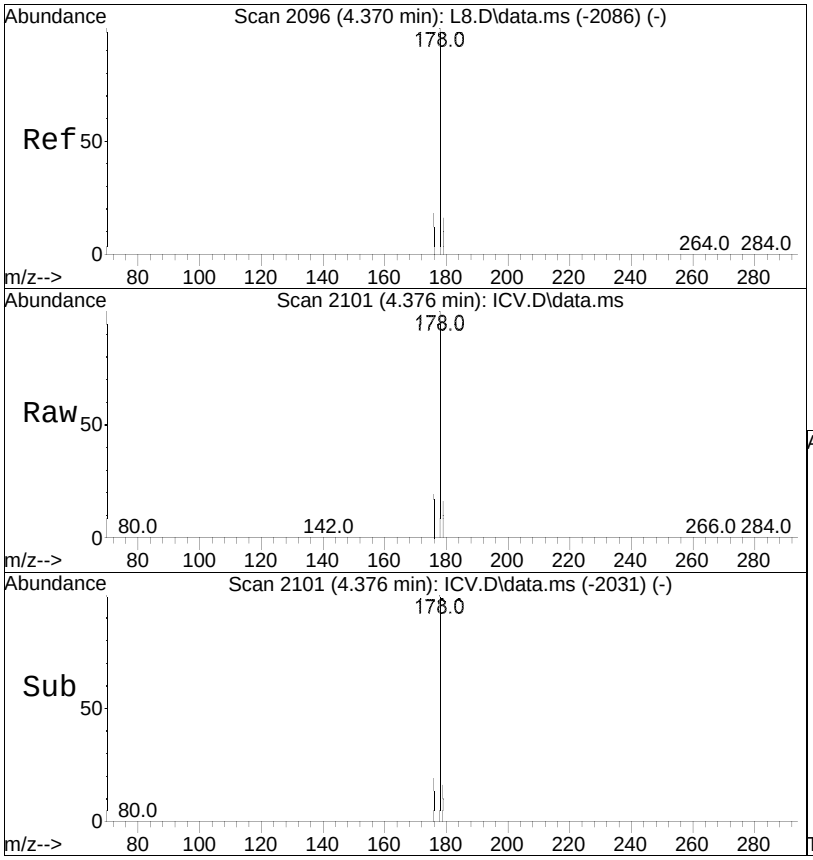


#26
Phenanthrene
Concen: 887.82 ng/ml
RT: 4.349 min Scan# 2079
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:178 Resp: 284491

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

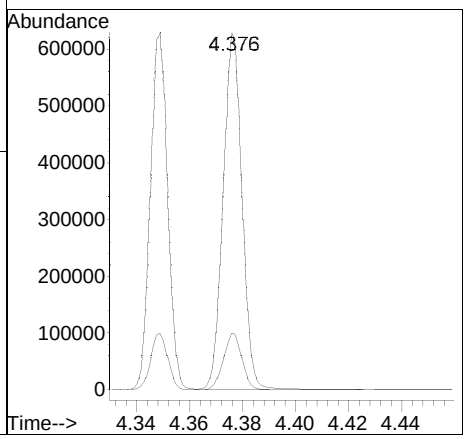


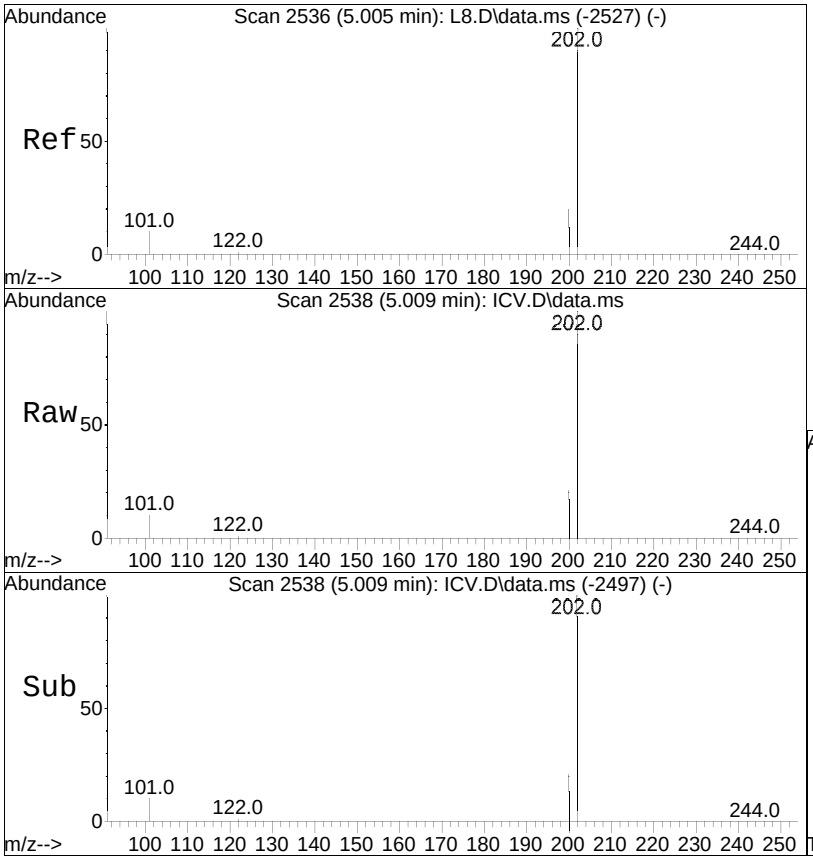


#27
Anthracene
Concen: 935.73 ng/ml
RT: 4.376 min Scan# 2101
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:178 Resp: 309800

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

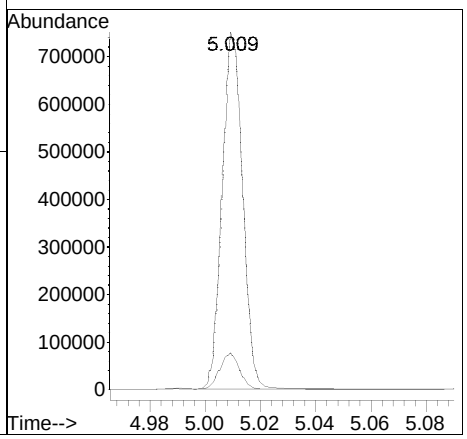


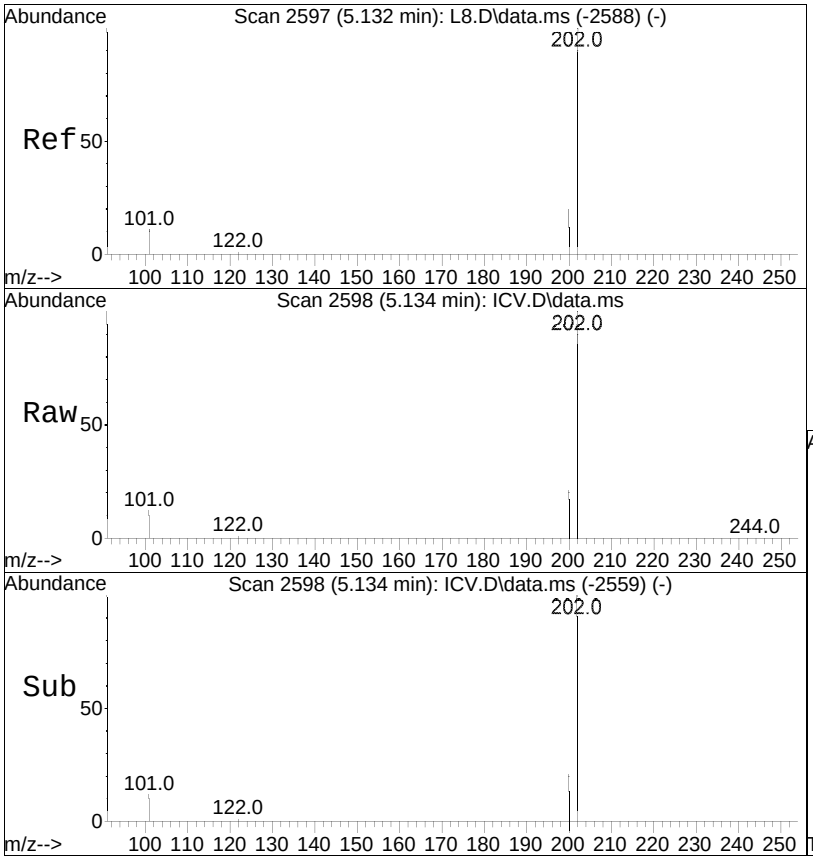


#28
Fluoranthene
Concen: 866.39 ng/ml
RT: 5.009 min Scan# 2538
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:202 Resp: 381208

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.1	12.1

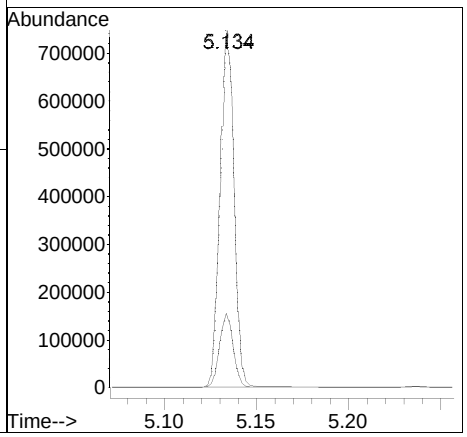


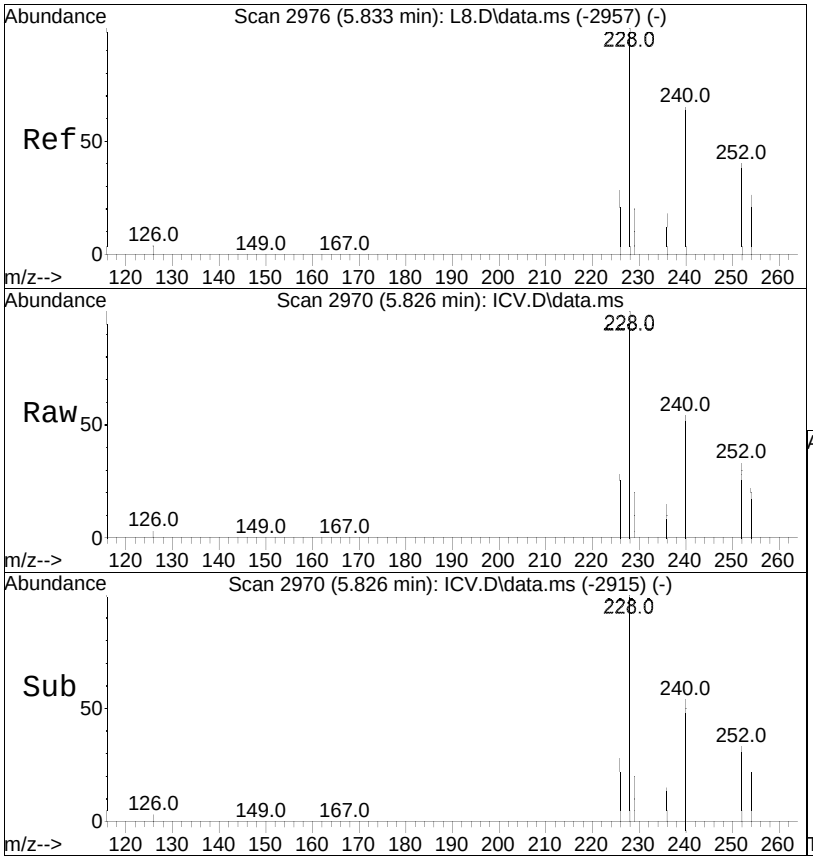


#29
Pyrene
Concen: 849.08 ng/ml
RT: 5.134 min Scan# 2598
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:202 Resp: 387138

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7

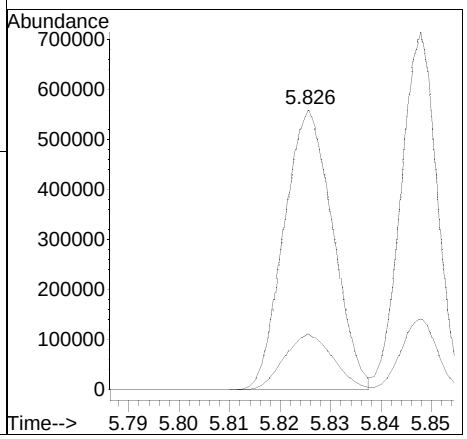


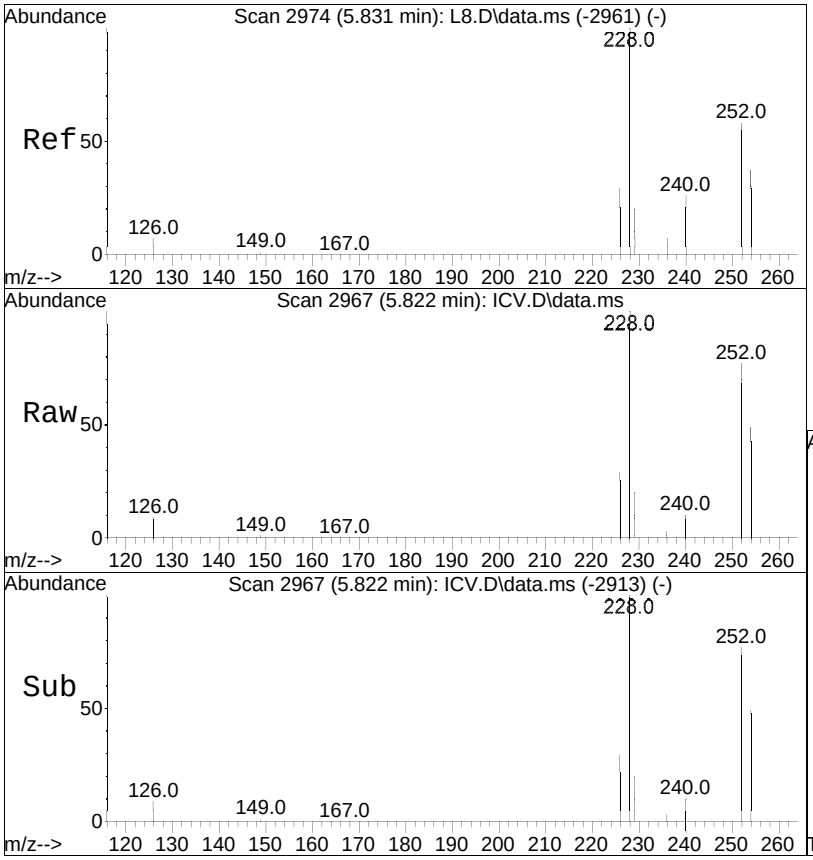


#32
Benzo[a]anthracene
Concen: 951.60 ng/ml
RT: 5.826 min Scan# 2970
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:228 Resp: 375288

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8

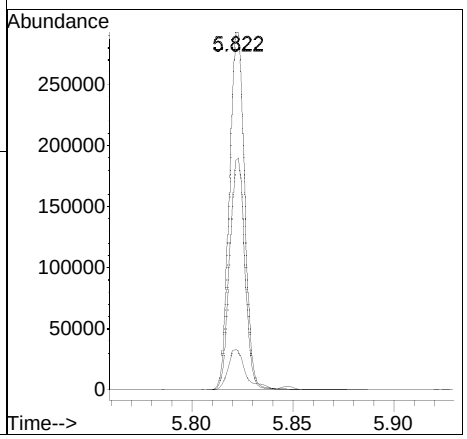


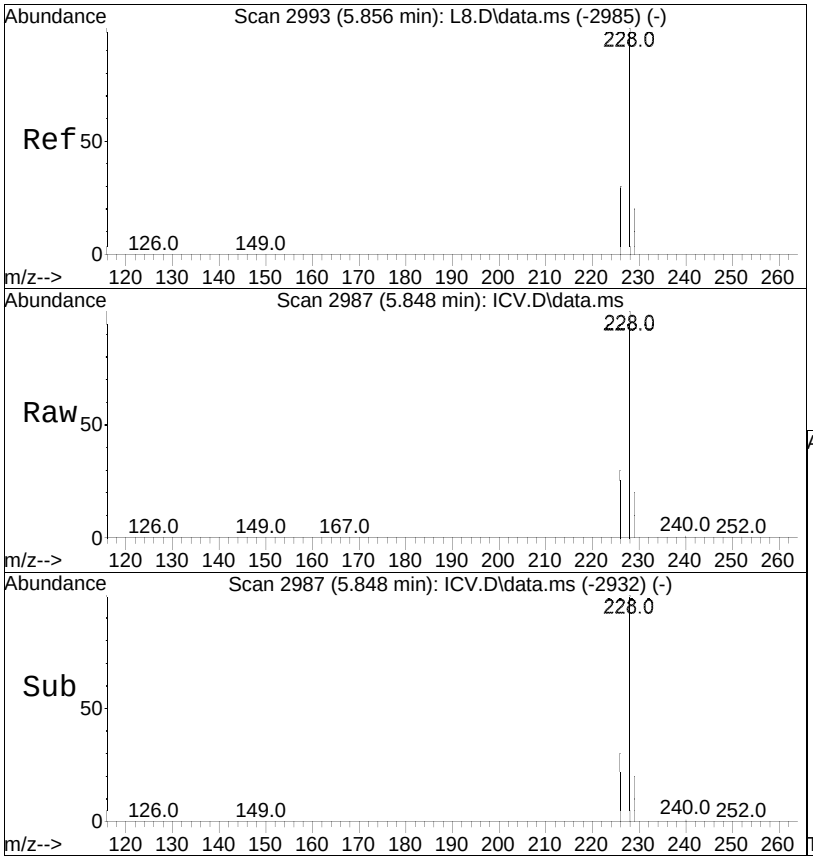


#33
3,3'-Dichlorobenzene
Concen: 950.10 ng/ml
RT: 5.822 min Scan# 2967
Delta R.T. -0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 151190

Ion	Ratio	Lower	Upper
252	100		
126	13.3	10.5	15.7
254	64.2	51.4	77.0

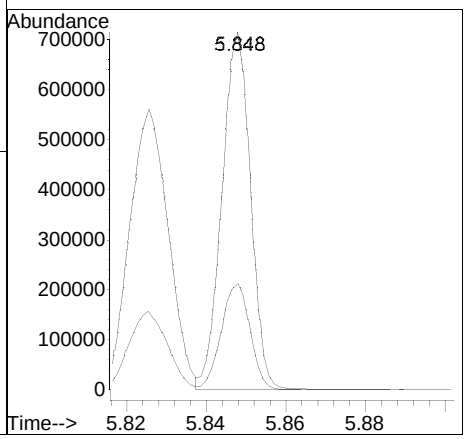


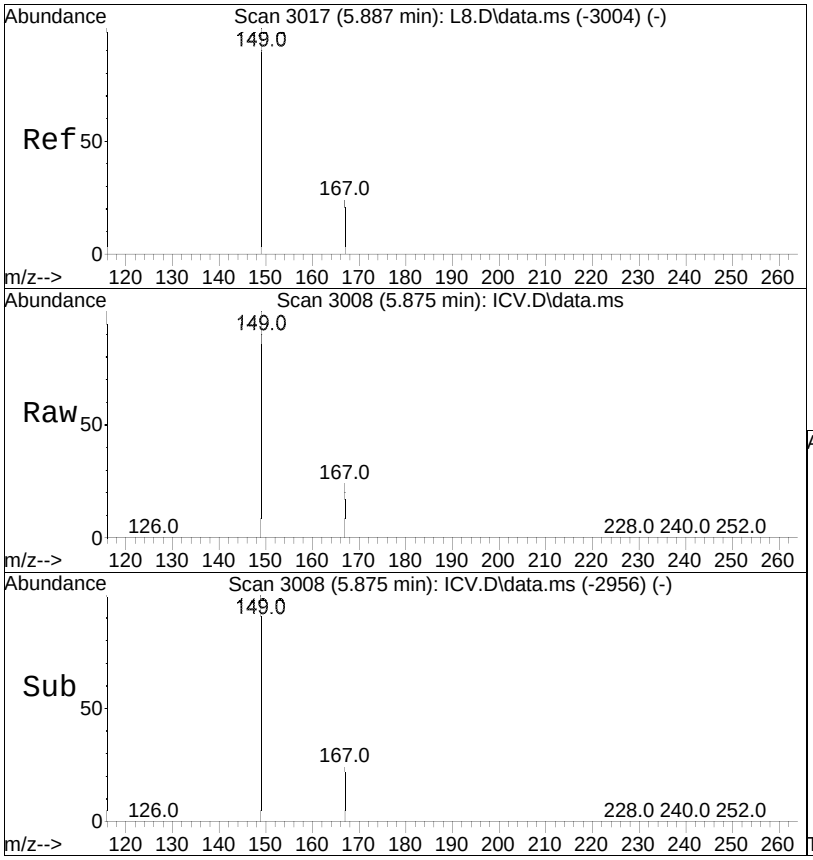


#34
Chrysene
Concen: 915.31 ng/ml
RT: 5.848 min Scan# 2987
Delta R.T. -0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:228 Resp: 354927

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9

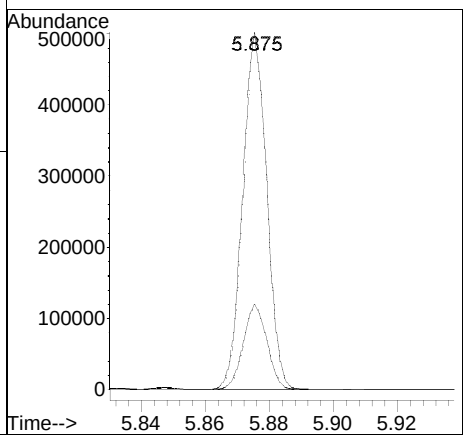


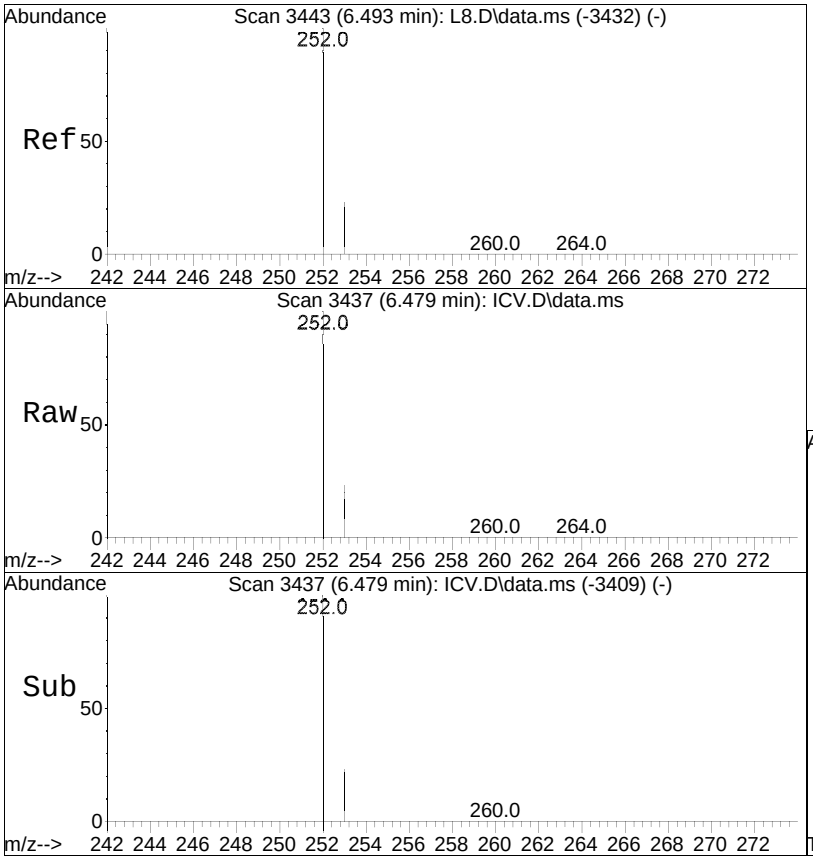


#35
Bis(2-ethylhexyl)phthalate
Concen: 913.16 ng/ml
RT: 5.875 min Scan# 3008
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:149 Resp: 256817

Ion	Ratio	Lower	Upper
149	100		
167	23.7	19.0	28.4

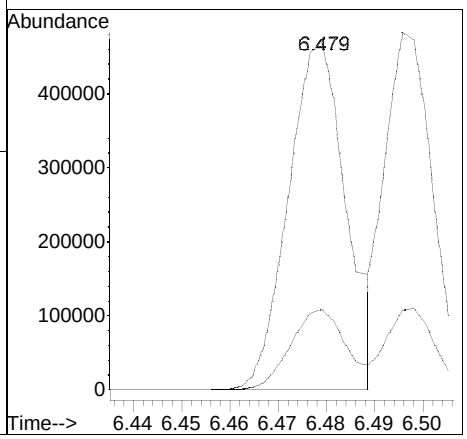


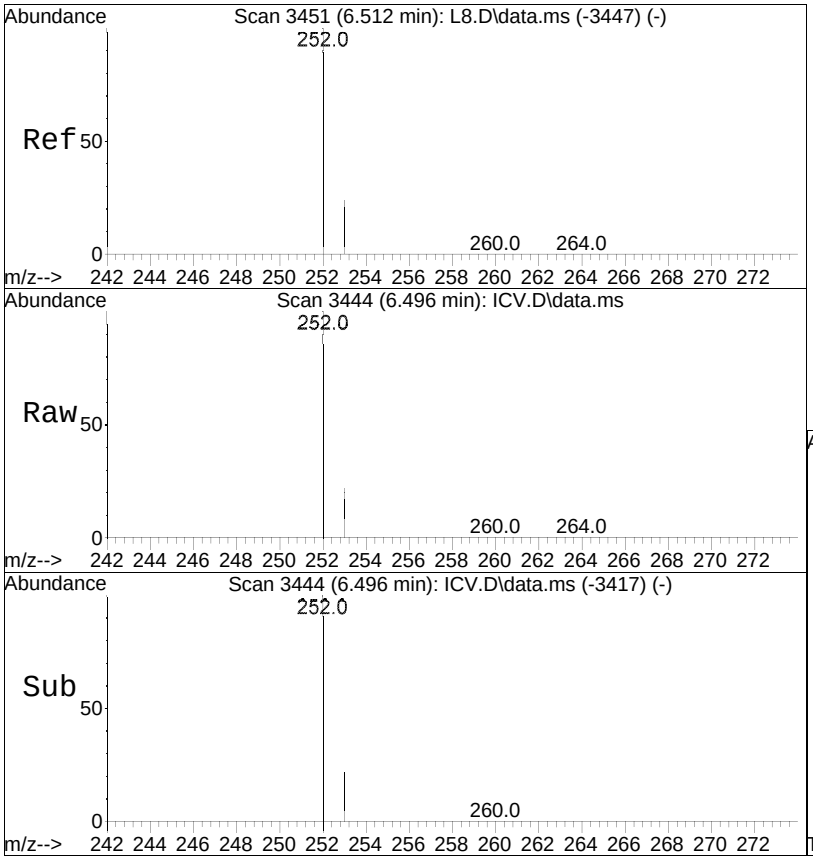


#37
Benzo[b]fluoranthene
Concen: 909.14 ng/ml
RT: 6.479 min Scan# 3437
Delta R.T. -0.014 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 390762

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0

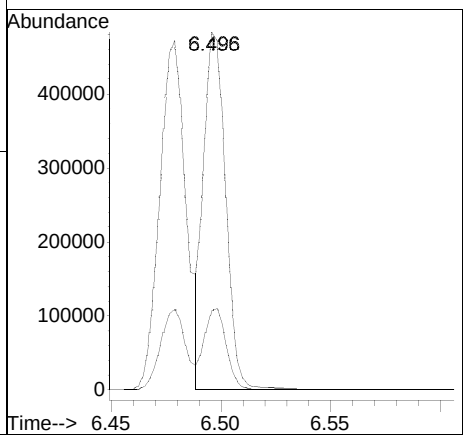


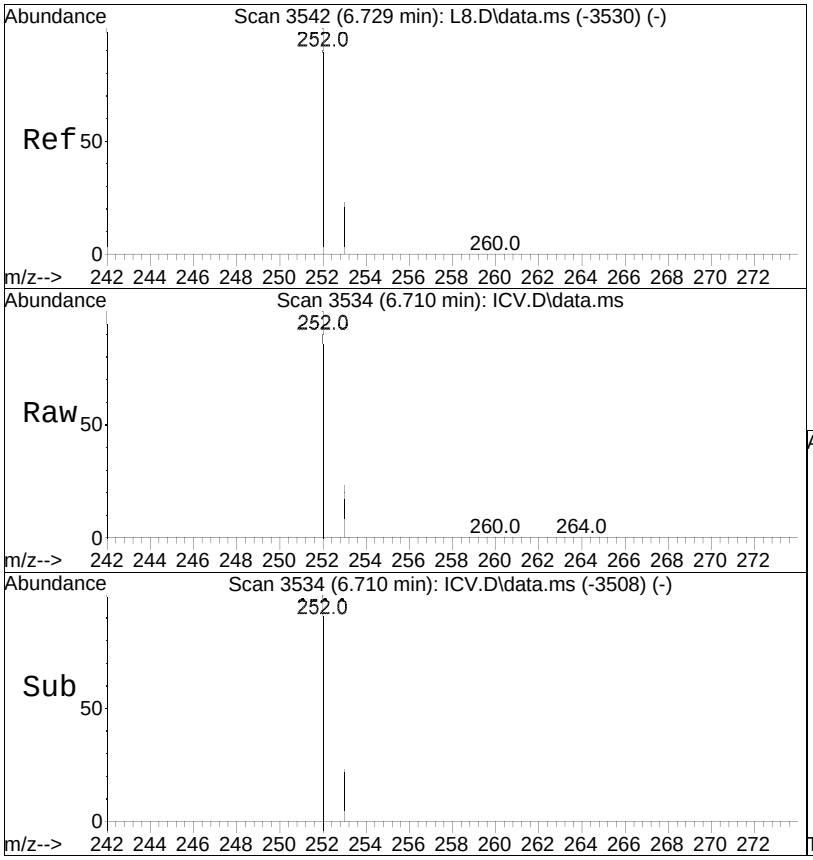


#38
Benzo[k]fluoranthene
Concen: 844.53 ng/ml
RT: 6.496 min Scan# 3444
Delta R.T. -0.016 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 335346

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5

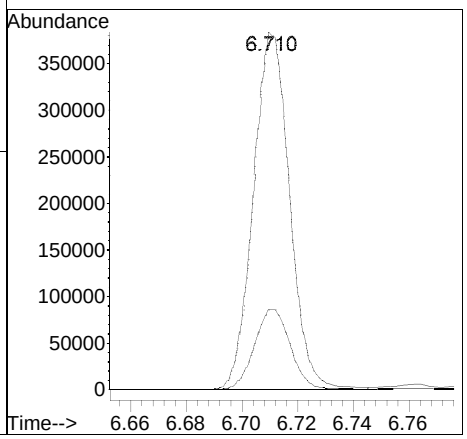


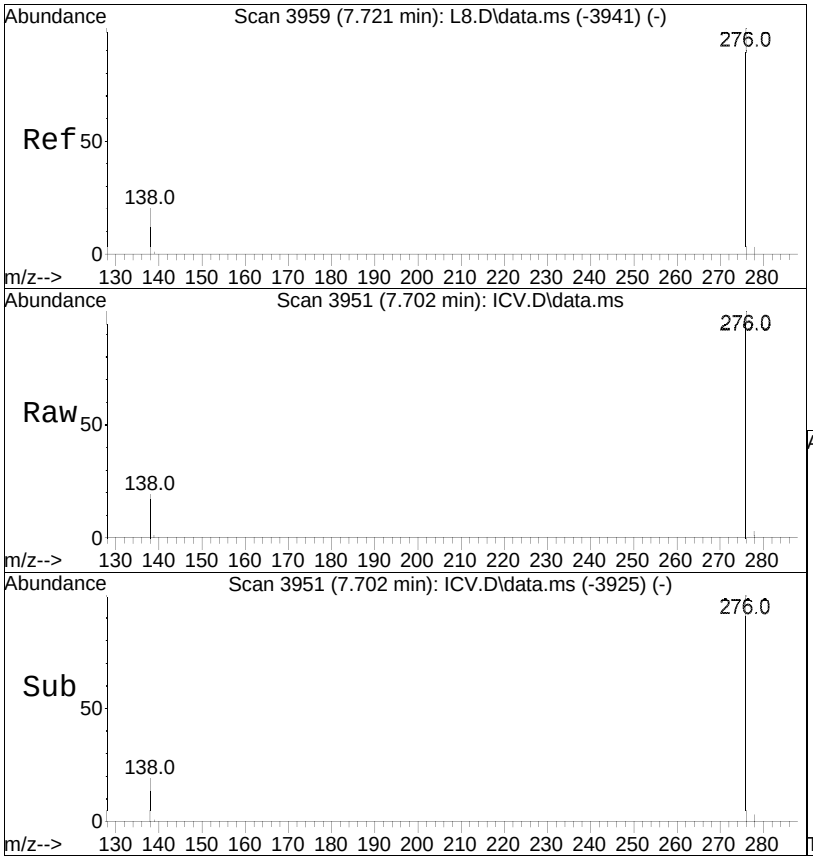


#39
Benzo[a]pyrene
Concen: 901.97 ng/ml
RT: 6.710 min Scan# 3534
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 343357

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

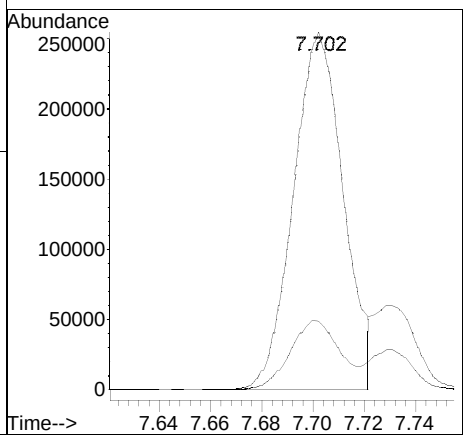


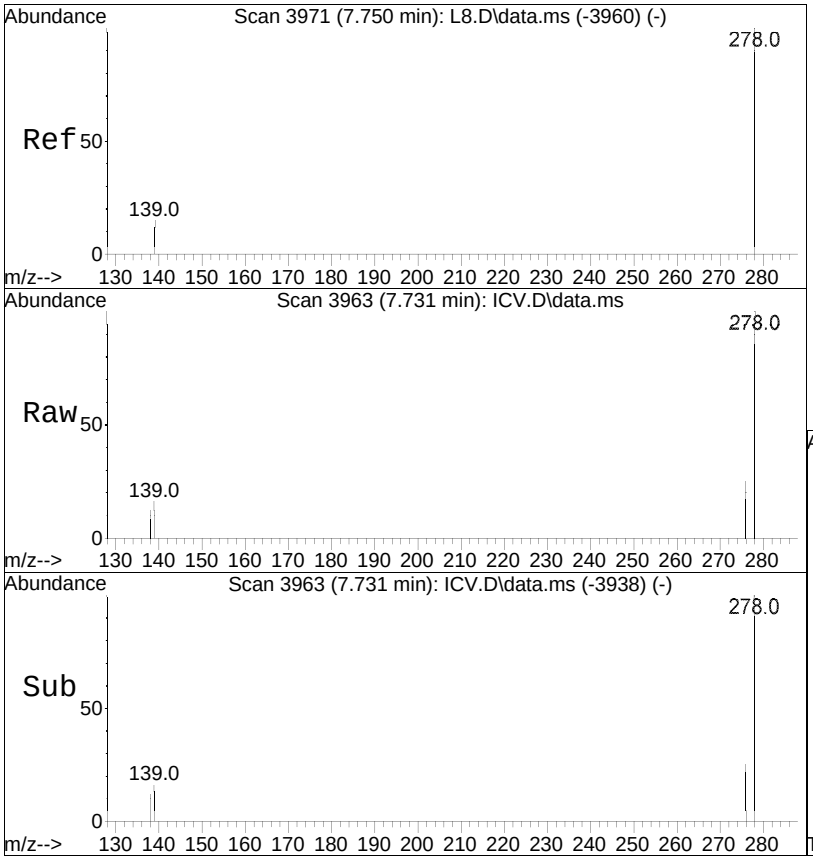


#40
Indeno[1,2,3-cd]pyrene
Concen: 886.99 ng/ml
RT: 7.702 min Scan# 3951
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:276 Resp: 341330

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.1	22.7

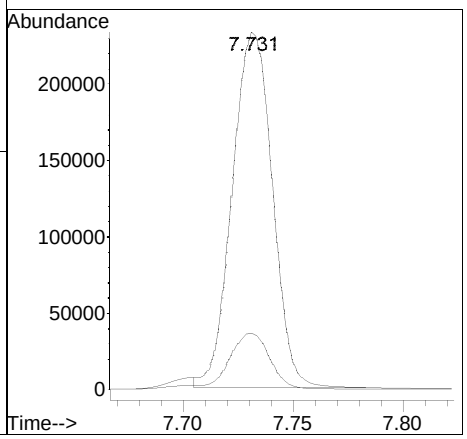


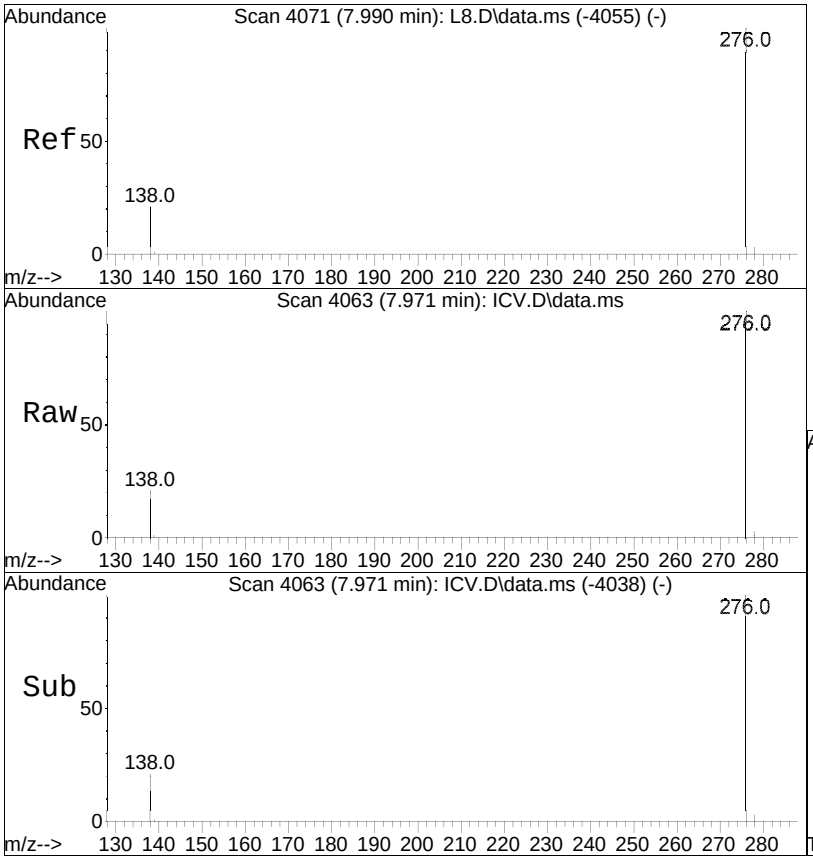


#41
Dibenzo[a,h]anthracene
Concen: 860.79 ng/ml M6
RT: 7.731 min Scan# 3963
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:278 Resp: 295075

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.3	19.9

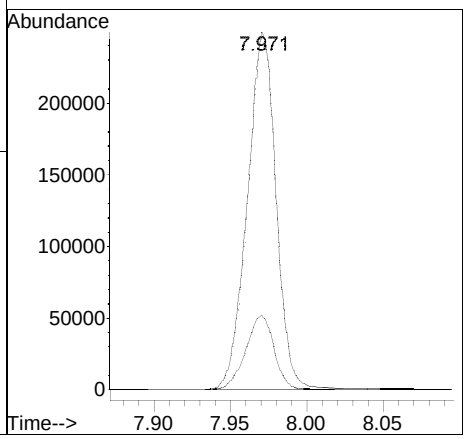




#42
Benzo[g,h,i]perylene
Concen: 851.23 ng/ml
RT: 7.971 min Scan# 4063
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:276 Resp: 322203

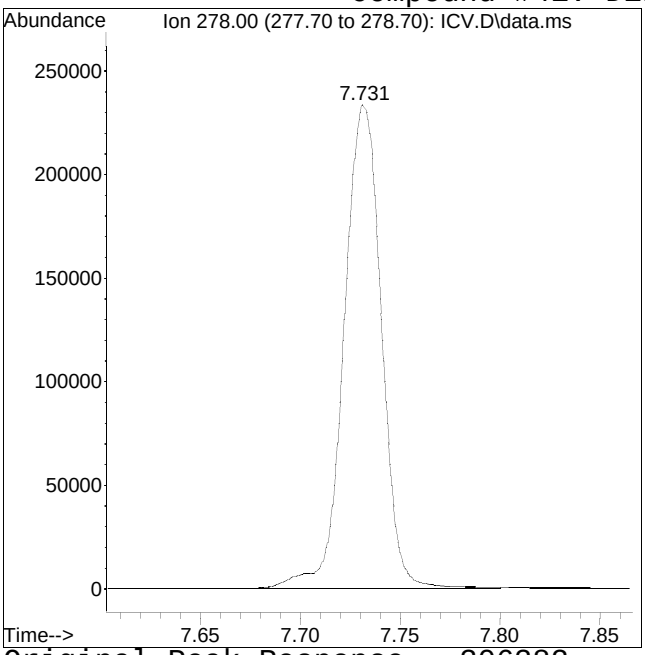
Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.9	25.3



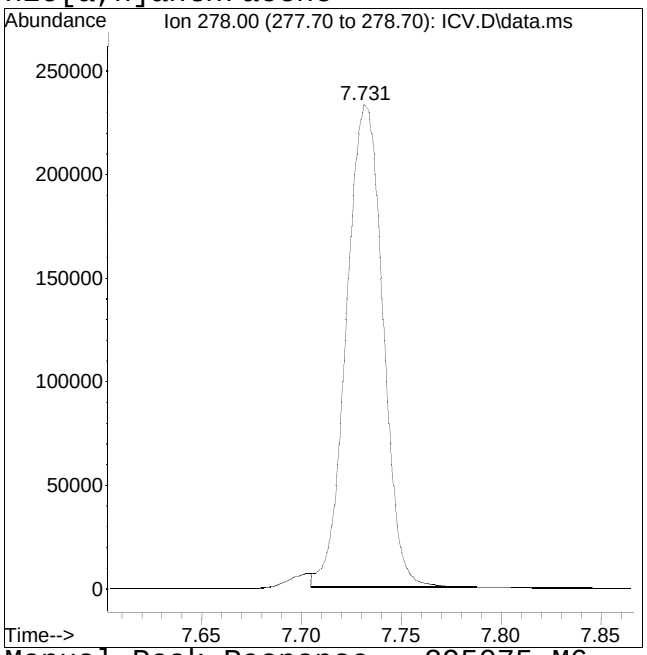
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : ICV.D
Date Inj'd : 6/21/2024 5:33 pm
Sample : CQICV,32,, #10475 1000 ng/
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:48 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 306382



Manual Peak Response = 295075 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV119

Method Path : I:\8270SIM\sv119\240621RVTical\
Method File : SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
23 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	991.493	-0.9	40.00	46.132	15.3
25 T	Pentachlorophenol	Q	ng/ml	1000.0	1037.550	3.8	5.00	7.392	47.8
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	1068.137	6.8	2.00	1.985	-0.7
35 T	Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	1014.123	1.4	40.00	43.633	9.1

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
23 T	4,6-Dinitro-o-cresol	Quadratic	0.999438	-0.007216	0.170334	-0.00100381
25 T	Pentachlorophenol	Quadratic	0.997478	0.032871	0.163746	-0.000173207
32 T	Benzo[a]anthracene	Linear	0.998969	0.000000	1.50131	0.00304083
35 T	Bis(2-ethylhexyl)phthalate	Linear	0.999566	0.000000	1.09576	-0.00365625

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\240728RVTical\
Method File : SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 07 14:37:40 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

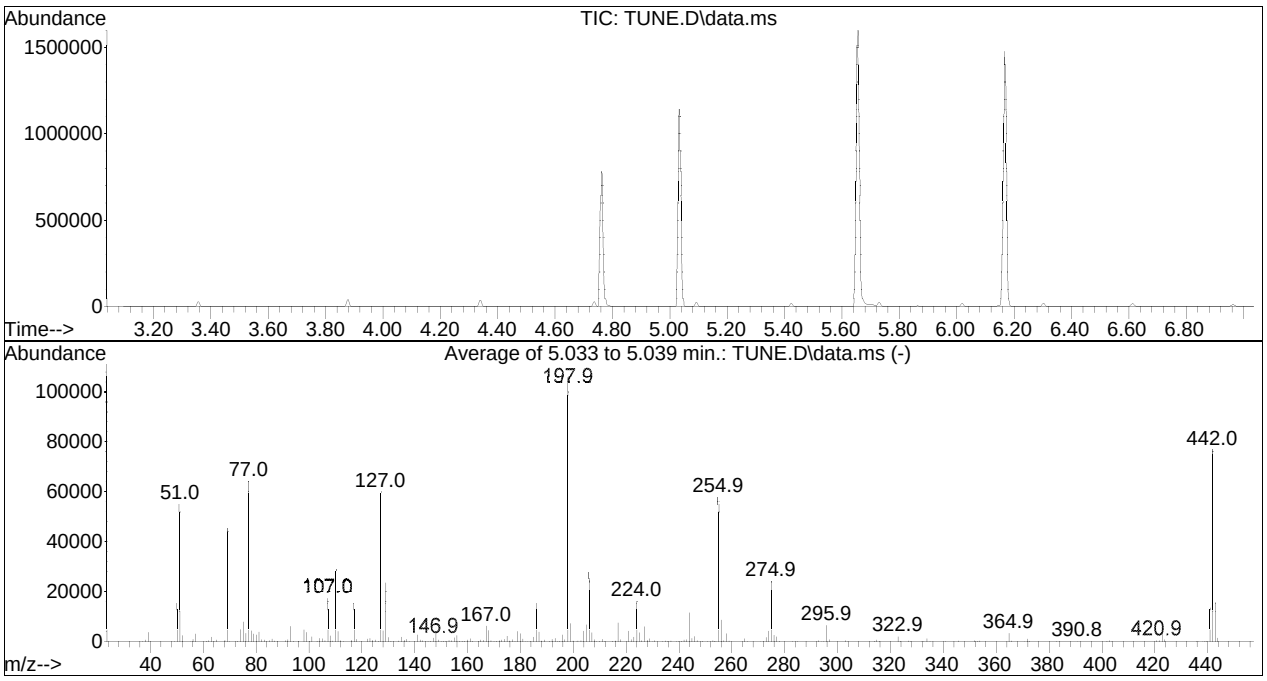
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	ISTD												
2)	s	2-Fluorophenol	1.200	1.265	1.191	1.180	1.168	1.207	1.198	1.179	1.175	1.117	1.188	3.11	
3)	s	Phenol-d6		1.568	1.393	1.412	1.393	1.441	1.451	1.437	1.474	1.440	1.445	3.67	
4)	T	bis(2-Chloroethyl)ether		1.630	1.353	1.310	1.279	1.292	1.294	1.244	1.239	1.193	1.315	9.65	
5)	T	n-Nitrosodi-n-propylamine		0.925	0.841	0.819	0.799	0.836	0.866	0.879	0.934	0.932	0.870	5.85	
6)	t	Hexachloroethane			0.587	0.565	0.551	0.566	0.564	0.552	0.557	0.547	0.561	2.27	
7)	s	Nitrobenzene-d5		1.158	1.123	1.115	1.118	1.171	1.200	1.210	1.258	1.234	1.176	4.47	
8)	i	Naphthalene-d8	ISTD												
9)	t	Naphthalene	1.315	1.282	1.192	1.180	1.111	1.128	1.103	1.075	1.074	1.028	1.149	8.10	
10)	t	Hexachlorobutadiene			0.208	0.208	0.200	0.202	0.196	0.191	0.190	0.184	0.197	4.50	
11)	t	2-Methylnaphthalene		0.786	0.729	0.737	0.716	0.734	0.730	0.718	0.721	0.691	0.729	3.47	
12)	t	1-Methylnaphthalene		0.749	0.678	0.687	0.674	0.685	0.678	0.664	0.666	0.643	0.680	4.23	
13)	s	2-Fluorobiphenyl	0.901	0.948	0.870	0.871	0.854	0.879	0.855	0.827	0.829	0.786	0.862	5.11	
14)	t	2-Chloronaphthalene		0.812	0.745	0.744	0.726	0.748	0.742	0.725	0.728	0.697	0.741	4.19	
15)	t	2,6-Dinitrotoluene					0.106	0.117	0.143	0.154	0.170	0.168	*L	0.9985	
16)	t	Acenaphthylene	1.042	1.058	1.016	1.009	1.003	1.050	1.111	1.115	1.139	1.092	1.063	4.54	
17)	i	Acenaphthene-d10	ISTD												
18)	t	Acenaphthene		1.603	1.465	1.533	1.431	1.443	1.415	1.368	1.384	1.340	1.442	5.75	
19)	t	2,4-Dinitrotoluene					0.238	0.273	0.347	0.371	0.406	0.404	*L	0.9987	
20)	t	Fluorene	1.827	1.759	1.571	1.547	1.495	1.559	1.589	1.541	1.567	1.529	1.598	6.69	
21)	s	2,4,6-Tribromophenol				0.168	0.178	0.205	0.238	0.242	0.257	0.254	0.220	16.45	
22)	i	Phenanthrene-d10	ISTD												
23)	T	4,6-Dinitro-o-cresol						0.040	0.055	0.081	0.091	0.106	0.112	*Q	0.9987
24)	t	Hexachlorobenzene	0.332	0.300	0.276	0.279	0.270	0.279	0.276	0.266	0.266	0.260	0.280	7.57	
25)	t	Pentachlorophenol						0.037	0.062	0.102	0.125	0.154	0.163	*Q	0.9973
26)	t	Phenanthrene			1.242	1.261	1.225	1.211	1.186	1.140	1.134	1.104	1.188	4.77	
27)	t	Anthracene			1.187	1.162	1.111	1.139	1.161	1.146	1.150	1.111	1.146	2.26	
28)	t	Fluoranthene			1.329	1.308	1.253	1.289	1.318	1.286	1.270	1.215	1.283	2.89	
29)	t	Pyrene			1.359	1.326	1.300	1.346	1.407	1.353	1.338	1.268	1.337	3.10	
30)	s	4-Terphenyl-d14		0.977	0.856	0.843	0.815	0.835	0.845	0.815	0.795	0.759	0.838	7.19	
31)	i	Chrysene-d12	ISTD												
32)	t	Benzo[a]anthracene			3.931	2.673	1.652	1.513	1.496	1.499	1.504	1.517	*L	0.9998	
33)	t	3,3'-Dichlorob...						0.356	0.396	0.488	0.520	0.572	0.581	*L	0.9983
34)	t	Chrysene			1.457	1.446	1.437	1.487	1.517	1.418	1.459	1.418	1.455	2.32	
35)	T	bis(2-Ethylhexyl)phthalate						0.520	0.578	0.789	0.884	1.032	1.080	*Q	0.9986
36)	i	Perylene-d12	ISTD												
37)	t	Benzo[b]fluora...		1.356	1.293	1.226	1.258	1.350	1.442	1.336	1.472	1.420	1.350	6.18	
38)	t	Benzo[k]fluora...		1.318	1.181	1.222	1.143	1.201	1.332	1.400	1.309	1.343	1.272	6.87	
39)	t	Benzo[a]pyrene		1.021	0.941	0.949	0.949	1.025	1.169	1.180	1.237	1.246	1.080	11.83	
40)	t	Indeno[1,2,3-c...			0.878	0.889	0.873	0.921	1.036	1.062	1.171	1.265	1.012	14.62	
41)	t	Dibenzo[a,h]anthracene			0.776	0.799	0.808	0.900	1.015	1.041	1.113	1.144	0.950	15.53	
42)	t	Benzo[g,h,i]pe...		1.012	0.913	0.926	0.918	0.993	1.077	1.095	1.162	1.212	1.034	10.58	

(#) = Out of Range

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 05 16:14:31 2024



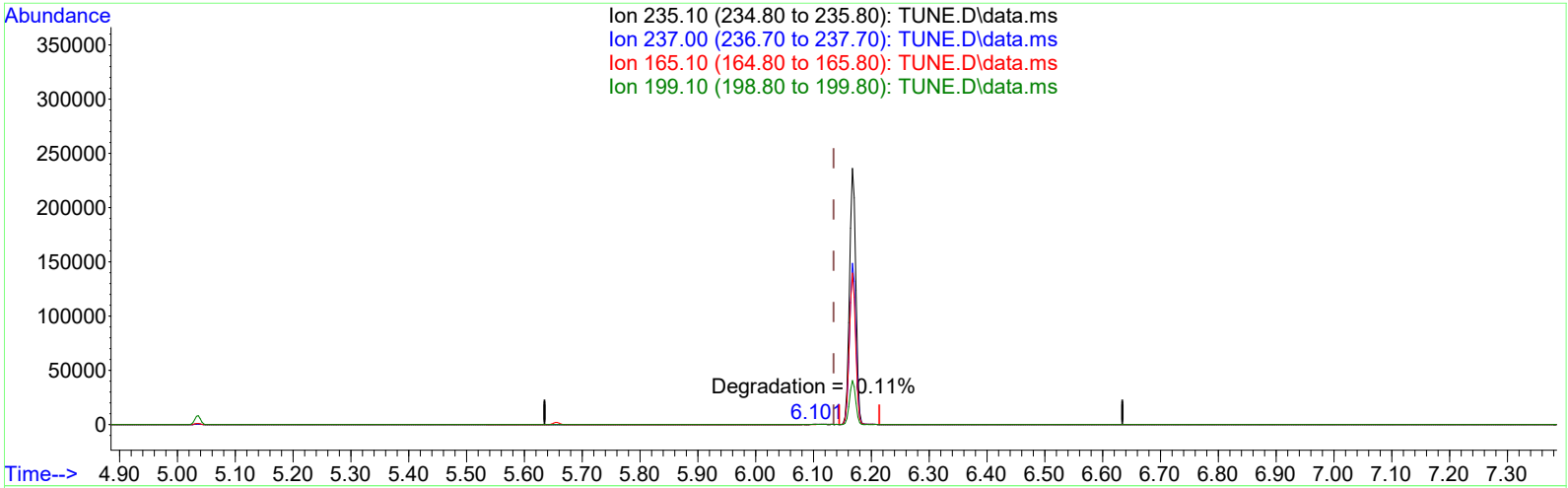
Spectrum Information: Average of 5.033 to 5.039 min.

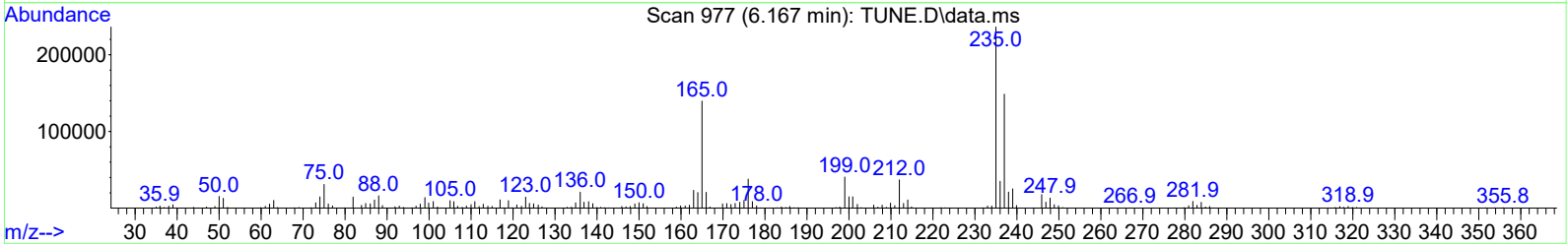
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.0	54955	PASS
68	69	0.00	2	1.8	819	PASS
69	69	100	100	100.0	45315	PASS
70	69	0.00	2	0.8	342	PASS
127	198	10	80	56.7	59891	PASS
197	198	0.00	2	1.0	1022	PASS
198	198	100	100	100.0	105701	PASS
199	198	5	9	6.8	7164	PASS
275	198	10	60	22.8	24133	PASS
365	198	1	100	3.3	3493	PASS
441	442	0.01	24	17.6	13479	PASS
442	198	50	100	72.6	76781	PASS
443	442	15	24	20.1	15450	PASS

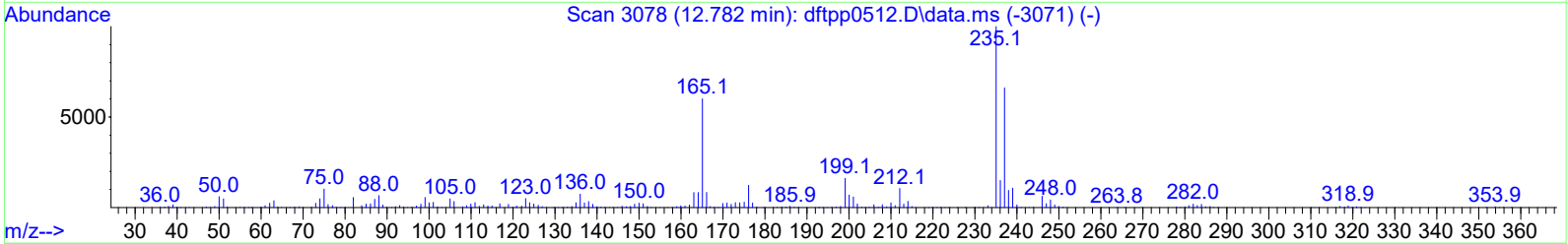
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: TUNE.D\data.ms

(6) ddt (T)

6.167min (+ 0.032) 29.51

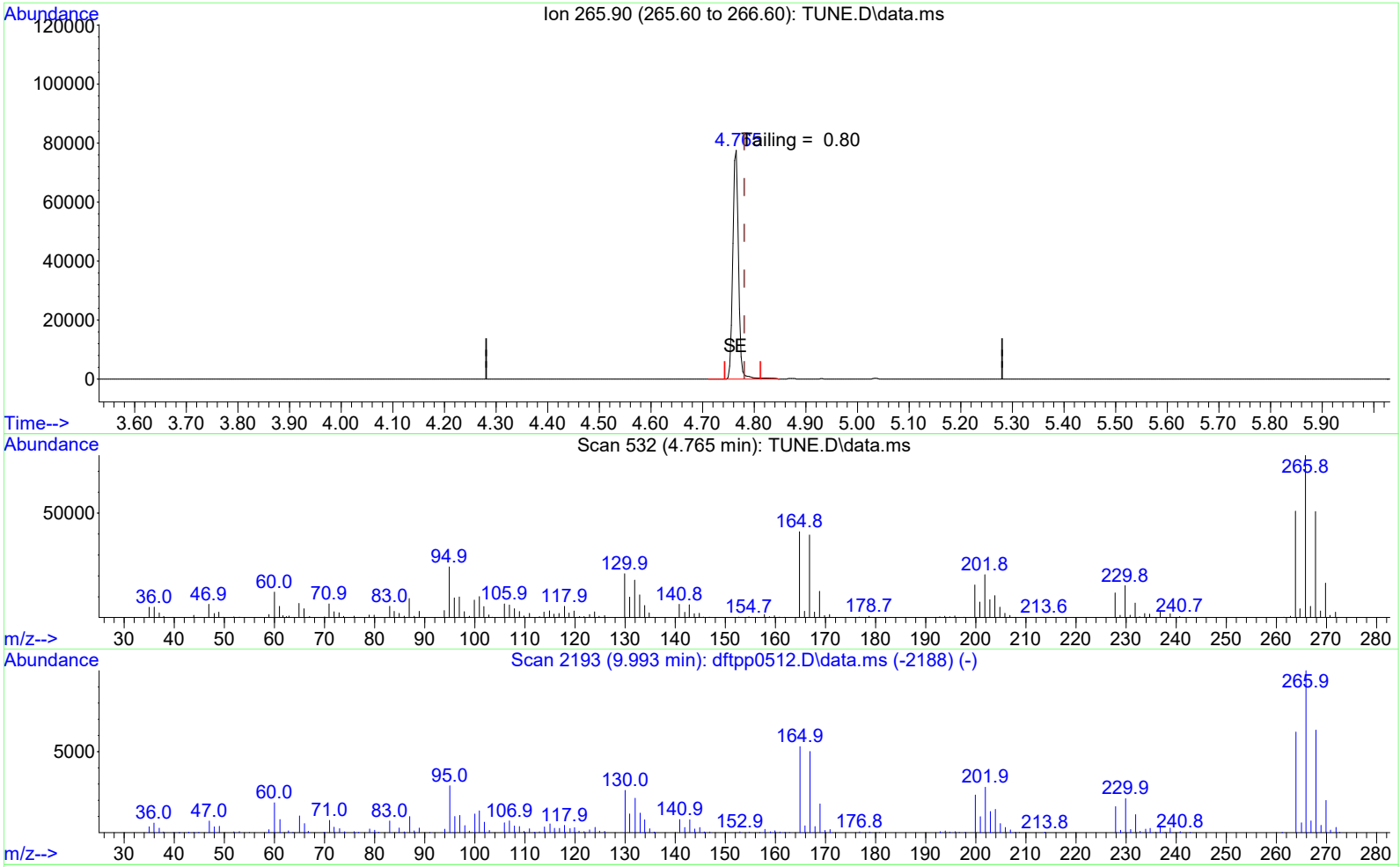
response 179862

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.62
165.10	53.30	58.69
199.10	17.10	16.81

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: TUNE.D\data.ms

(1) pentachlorophenol (T)

4.765min (-0.016) 28.43

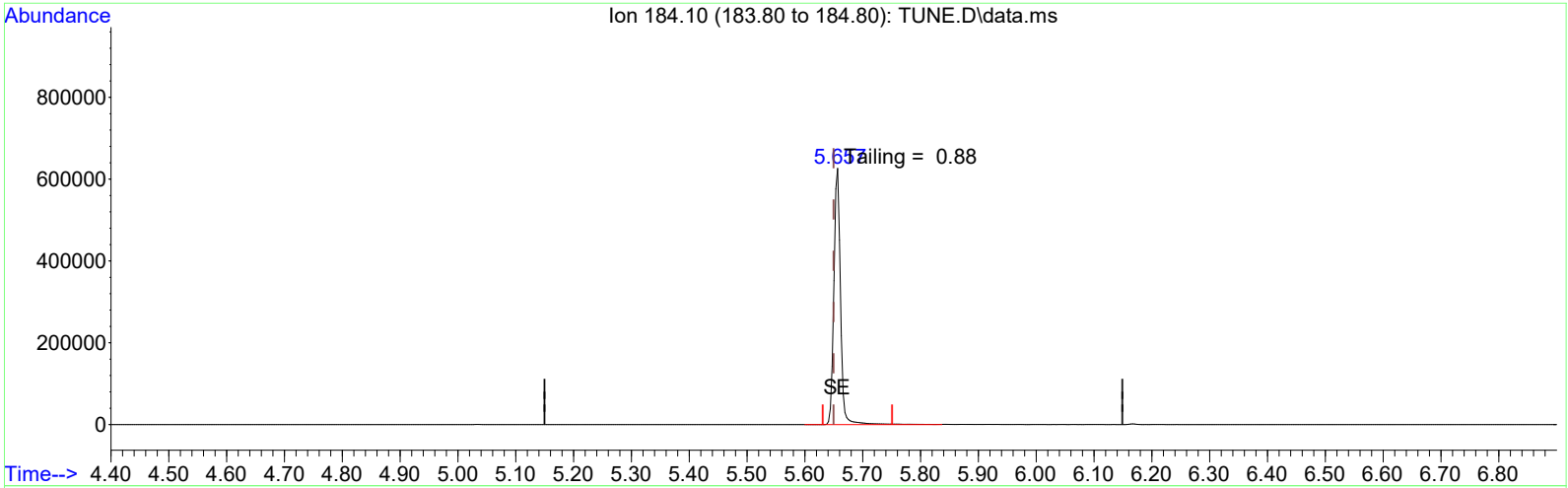
response 59710

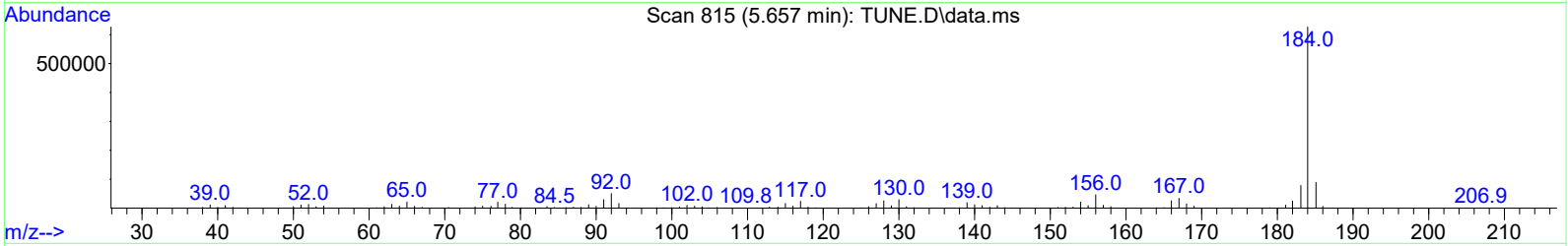
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

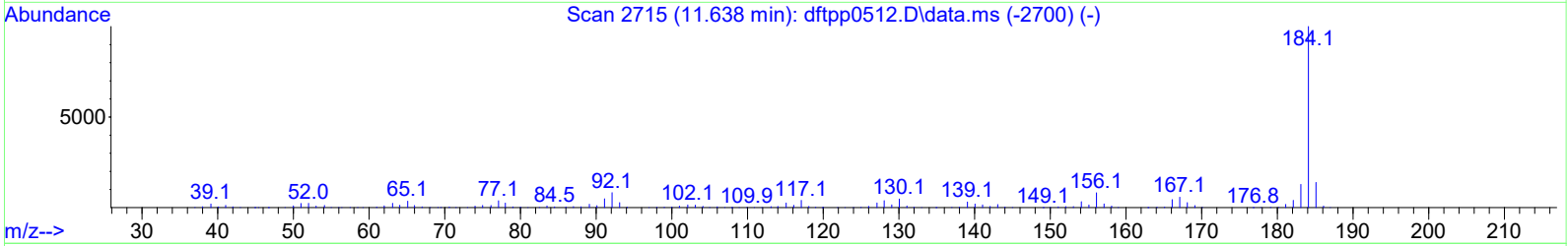
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: TUNE.D\data.ms

(3) benzidine (T)

5.657min (+ 0.007) 48.80

response 496809

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.189	152	325198	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 97.62%			
8) Naphthalene-d8	2.847	136	1296831	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.81%			
17) Acenaphthene-d10	3.818	164	737887	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 101.62%			
22) Phenanthrene-d10	4.652	188	1489838	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 99.17%			
31) Chrysene-d12	6.193	240	1204133	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 93.31%			
36) Perylene-d12	7.329	264	1202813	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 94.54%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	454196	4702.118	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 235.11%#			
3) Phenol-d6	2.006	99	585383	4981.981	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 249.10%#			
7) Nitrobenzene-d5	2.468	82	501568	5244.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 524.48%#			
13) 2-Fluorobiphenyl	3.444	172	1274085	4559.070	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 455.91%#			
21) 2,4,6-Tribromophenol	4.262	330	233995	5760.013	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 288.00%#			
30) 4-Terphenyl-d14	5.566	244	1414280	4532.793	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 226.64%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.056	93	485004	4536.439	ng/ml	100
5) n-nitrosodi-n-propylamine	2.393	70	378981	5357.326	ng/ml	99
6) Hexachloroethane	2.446	117	222355	4874.111	ng/ml	100
9) Naphthalene	2.860	128	1666704	4475.661	ng/ml#	99
10) Hexachlorobutadiene	2.932	225	297582	4652.111	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	1119498	4736.163	ng/ml	98
12) 1-Methylnaphthalene	3.292	142	1043004	4728.374	ng/ml	99
14) 2-Chloronaphthalene	3.503	162	1130503	4707.183	ng/ml	99
15) 2,6-Dinitrotoluene	3.704	165	271809	5038.663	ng/ml	97
16) Acenaphthylene	3.737	152	1770050	5133.848	ng/ml	99
18) Acenaphthene	3.837	153	1235837	4644.306	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.929	165	372556	5047.251	ng/ml	96
20) Fluorene	4.127	166	1410509	4783.522	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.159	198	208119	4962.048	ng/ml	95
24) Hexachlorobenzene	4.441	284	484844	4641.302	ng/ml	99
25) Pentachlorophenol	4.552	266	303306	4141.770	ng/ml	100
26) Phenanthrene	4.666	178	2055390	4646.040	ng/ml	98
27) Anthracene	4.694	178	2069367	4848.361	ng/ml	98
28) Fluoranthene	5.339	202	2262496	4733.165	ng/ml	99
29) Pyrene	5.470	202	2361125	4741.088	ng/ml	99
32) Benzo[a]anthracene	6.185	228	2283840	5037.019	ng/ml	99
33) 3,3'-Dichlorobenzene	6.176	252	875190	5097.147	ng/ml	99
34) Chrysene	6.210	228	2134131	4872.886	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.215	149	1625893	4961.091	ng/ml	98
37) Benzo[b]fluoranthene	6.980	252	2134516	5257.339	ng/ml	99
38) Benzo[k]fluoranthene	7.006	252	2019716	5280.006	ng/ml	98
39) Benzo[a]pyrene	7.274	252	1873434	5769.715	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.489	276	1901996	6251.222	ng/ml	100
41) Dibenzo[a,h]anthracene	8.524	278	1720699M6	6026.076	ng/ml	
42) Benzo[g,h,i]perylene	8.822	276	1822447	5874.628	ng/ml	100

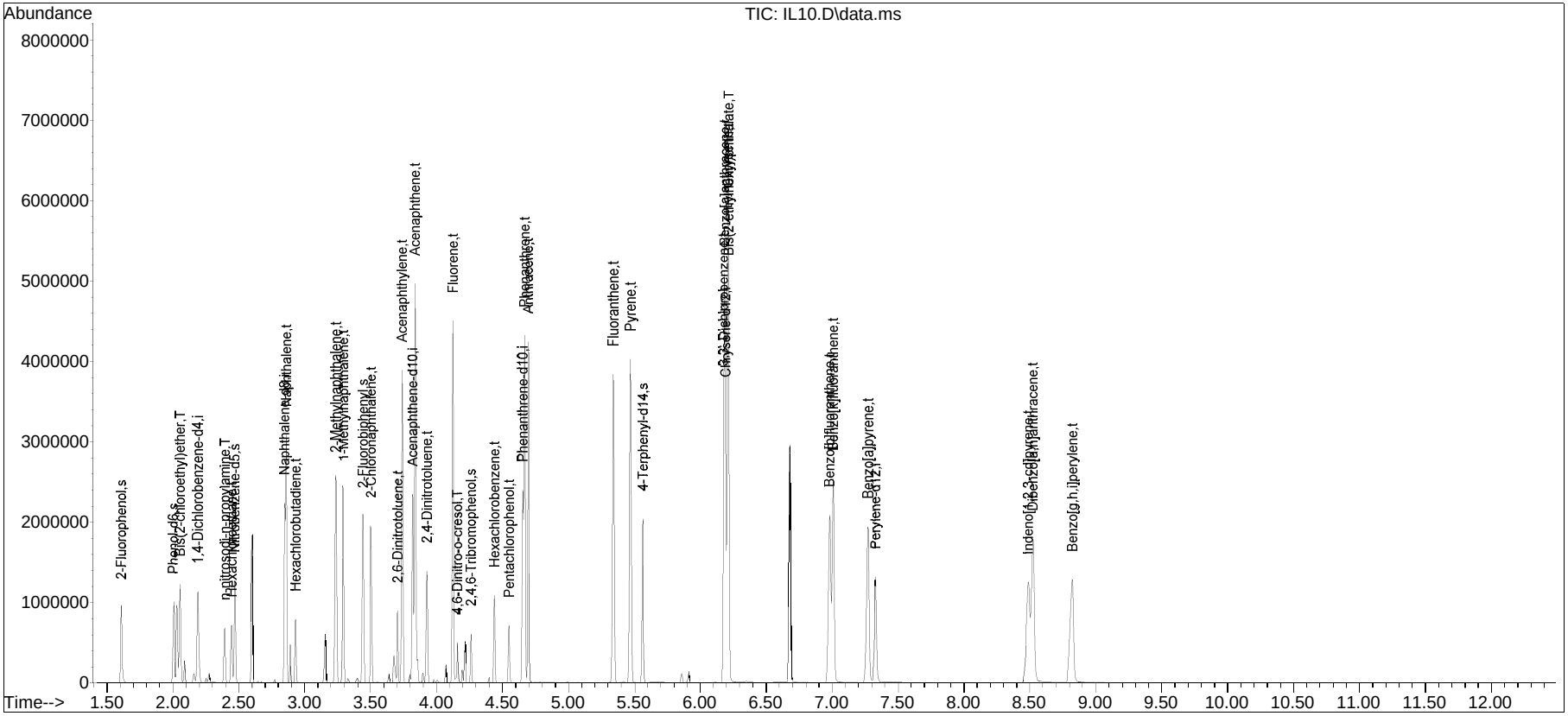
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

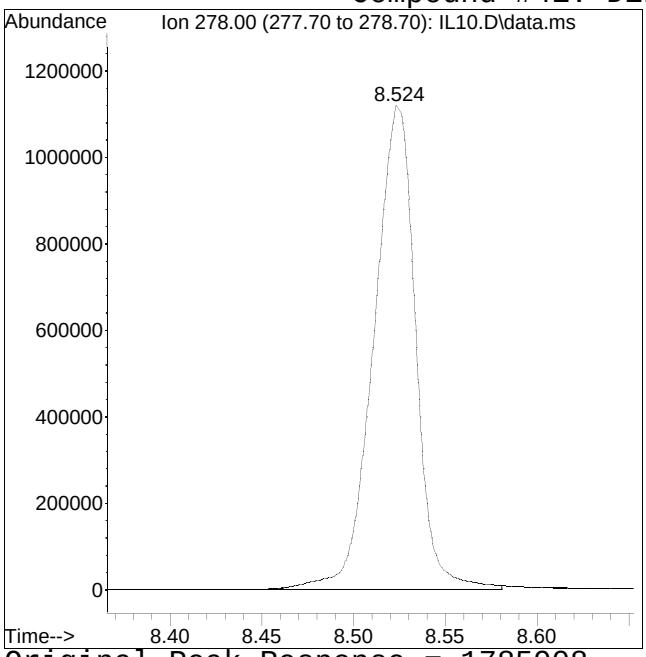
Sub List : Default - All compounds listedical\IL8.D•



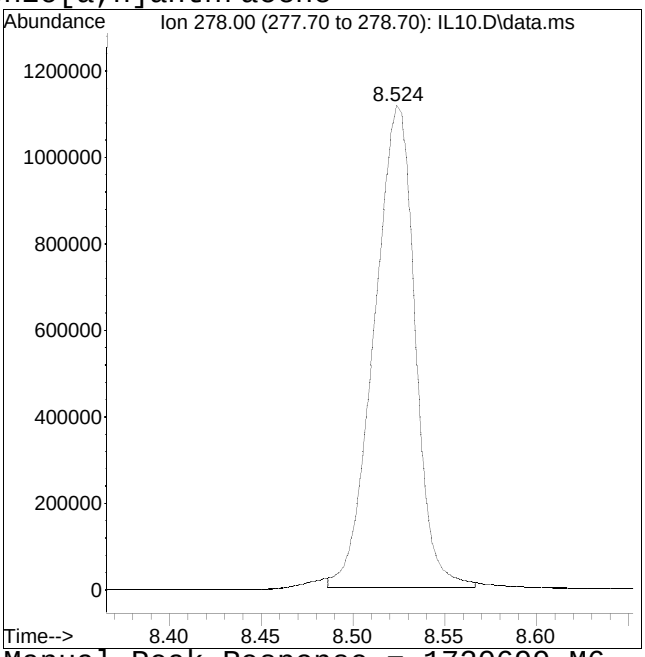
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL10.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 4:50 pm Instrument : SV120
Sample : IL10,32,,5000.0ng/mL lot# Quant Date : 7/29/2024 11:55 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1785908



Manual Peak Response = 1720699 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.189	152	329104	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 98.79%			
8) Naphthalene-d8	2.847	136	1290491	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.32%			
17) Acenaphthene-d10	3.818	164	731498	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 100.74%			
22) Phenanthrene-d10	4.652	188	1517349	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 101.00%			
31) Chrysene-d12	6.187	240	1247883	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 96.70%			
36) Perylene-d12	7.324	264	1242298	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.65%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	241774	2473.287	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 123.66%#			
3) Phenol-d6	2.006	99	303186	2549.681	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.48%#			
7) Nitrobenzene-d5	2.468	82	258773	2673.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 267.38%#			
13) 2-Fluorobiphenyl	3.441	172	668610	2404.247	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 240.42%#			
21) 2,4,6-Tribromophenol	4.262	330	117358	2914.112	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 145.71%#			
30) 4-Terphenyl-d14	5.563	244	753459	2371.066	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 118.55%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.056	93	254782	2354.796	ng/ml	100
5) n-nitrosodi-n-propylamine	2.390	70	192120	2683.601	ng/ml	99
6) Hexachloroethane	2.446	117	114653	2483.411	ng/ml	99
9) Naphthalene	2.860	128	866001	2336.929	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	152937	2402.616	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	581766	2473.319	ng/ml	99
12) 1-Methylnaphthalene	3.292	142	536987	2446.347	ng/ml	100
14) 2-Chloronaphthalene	3.503	162	587358	2457.654	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	137287	2568.542	ng/ml	98
16) Acenaphthylene	3.737	152	918271	2676.435	ng/ml	100
18) Acenaphthene	3.837	153	632526	2397.810	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	185835	2551.549	ng/ml	97
20) Fluorene	4.124	166	716280	2450.369	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.157	198	100870	2606.877	ng/ml	95
24) Hexachlorobenzene	4.438	284	251991	2368.517	ng/ml	100
25) Pentachlorophenol	4.550	266	146461	2488.347	ng/ml	100
26) Phenanthrene	4.663	178	1075621	2387.270	ng/ml	99
27) Anthracene	4.691	178	1091022	2509.831	ng/ml	100
28) Fluoranthene	5.339	202	1204556	2474.255	ng/ml	100
29) Pyrene	5.467	202	1268976	2501.878	ng/ml	99
32) Benzo[a]anthracene	6.177	228	1172983	2492.594	ng/ml	100
33) 3,3'-Dichlorobenzene	6.170	252	446422	2520.865	ng/ml	99
34) Chrysene	6.202	228	1137905	2507.101	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.210	149	805016	2608.735	ng/ml	99
37) Benzo[b]fluoranthene	6.972	252	1142790	2725.244	ng/ml	99
38) Benzo[k]fluoranthene	6.995	252	1016529	2572.979	ng/ml	99
39) Benzo[a]pyrene	7.263	252	960831	2865.070	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.480	276	909078	2892.869	ng/ml	99
41) Dibenzo[a,h]anthracene	8.514	278	863803M6	2928.982	ng/ml	
42) Benzo[g,h,i]perylene	8.804	276	902380	2816.354	ng/ml	99

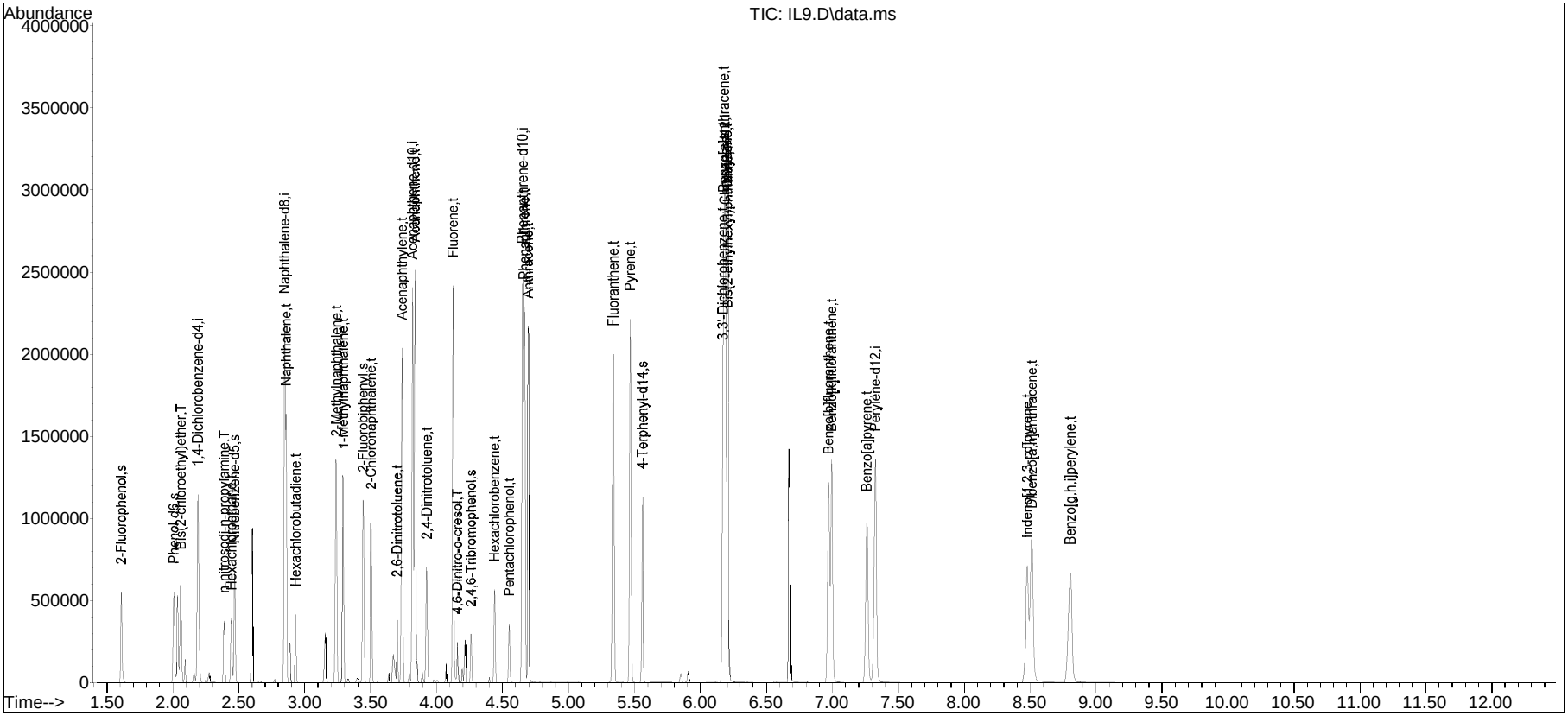
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

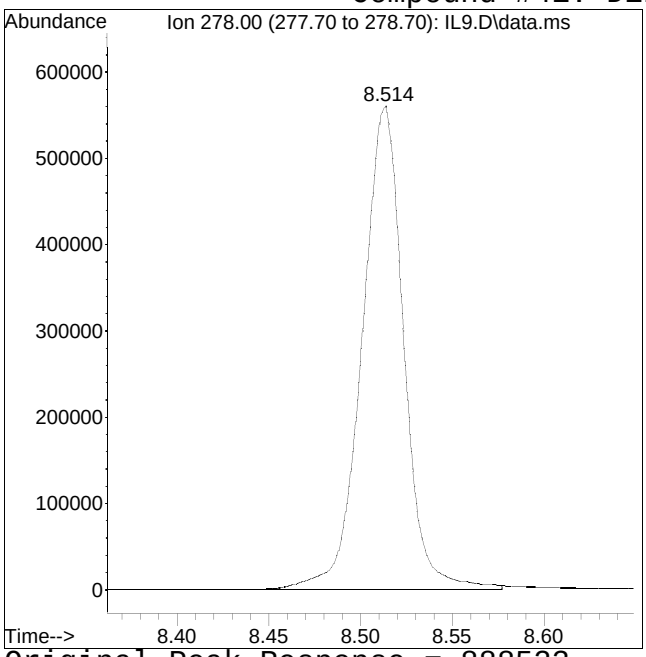
Sub List : Default - All compounds listedical\IL8.D•



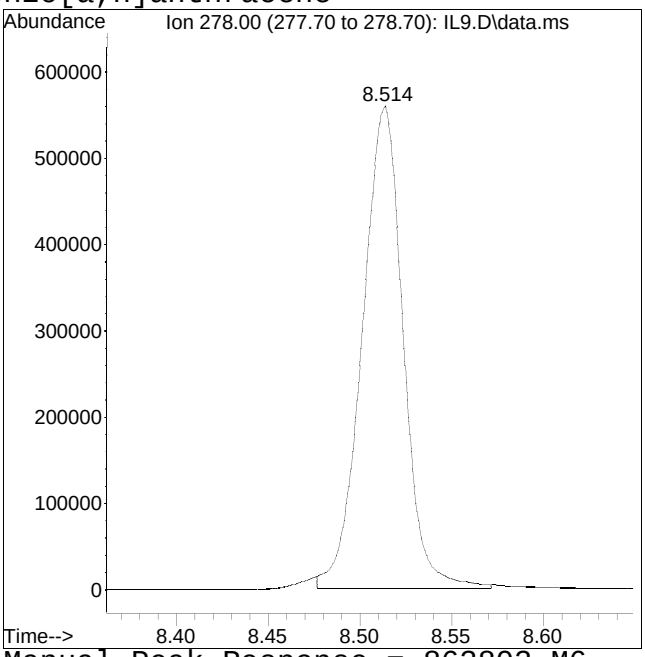
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL9.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:07 pm Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 7/29/2024 11:55 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 888523



Manual Peak Response = 863803 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.193	152	333161	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 100.01%			
8) Naphthalene-d8	2.850	136	1286400	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.00%			
17) Acenaphthene-d10	3.819	164	726145	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 100.00%			
22) Phenanthrene-d10	4.653	188	1502374	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 100.00%			
31) Chrysene-d12	6.183	240	1290415M4	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 100.00%			
36) Perylene-d12	7.320	264	1273273	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 100.08%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	98240	992.733	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.64%			
3) Phenol-d6	2.007	99	119641	993.884	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.69%			
7) Nitrobenzene-d5	2.469	82	100750	1028.352	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.84%			
13) 2-Fluorobiphenyl	3.444	172	266066	959.786	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.98%			
21) 2,4,6-Tribromophenol	4.261	330	43833	1096.439	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.82%			
30) 4-Terphenyl-d14	5.563	244	305635	971.392	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.57%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.057	93	103620	946.035	ng/ml	100
5) n-nitrosodi-n-propylamine	2.391	70	73169	1009.605	ng/ml	100
6) Hexachloroethane	2.447	117	45960	983.382	ng/ml	100
9) Naphthalene	2.860	128	345680	935.794	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	61356	966.958	ng/ml	100
11) 2-Methylnaphthalene	3.236	142	231012	985.247	ng/ml	100
12) 1-Methylnaphthalene	3.291	142	213483	975.655	ng/ml	100
14) 2-Chloronaphthalene	3.506	162	233044	978.216	ng/ml	100
15) 2,6-Dinitrotoluene	3.702	165	49447	942.430	ng/ml	100
16) Acenaphthylene	3.739	152	358588	1048.481	ng/ml	100
18) Acenaphthene	3.836	153	248371	948.477	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.928	165	67326	946.468	ng/ml	100
20) Fluorene	4.125	166	279797	964.232	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.155	198	34036	972.101	ng/ml	100
24) Hexachlorobenzene	4.439	284	99817	947.553	ng/ml	100
25) Pentachlorophenol	4.551	266	46912	967.698	ng/ml	100
26) Phenanthrene	4.664	178	428065	959.532	ng/ml	100
27) Anthracene	4.692	178	430465	1000.129	ng/ml	100
28) Fluoranthene	5.340	202	482730	1001.450	ng/ml	100
29) Pyrene	5.467	202	508009	1011.560	ng/ml	100
32) Benzo[a]anthracene	6.175	228	483654	989.451	ng/ml	100
33) 3,3'-Dichlorobenzene	6.163	252	167726	930.993	ng/ml	100
34) Chrysene	6.197	228	457700	975.194	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.205	149	285147	972.697	ng/ml	100
37) Benzo[b]fluoranthene	6.965	252	424786	988.356	ng/ml	100
38) Benzo[k]fluoranthene	6.988	252	444754	1098.350	ng/ml	100
39) Benzo[a]pyrene	7.256	252	375329	1091.955	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.465	276	337867	1049.005	ng/ml	100
41) Dibenzo[a,h]anthracene	8.503	278	331153M6	1095.557	ng/ml	
42) Benzo[g,h,i]perylene	8.792	276	348255M2	1057.800	ng/ml	

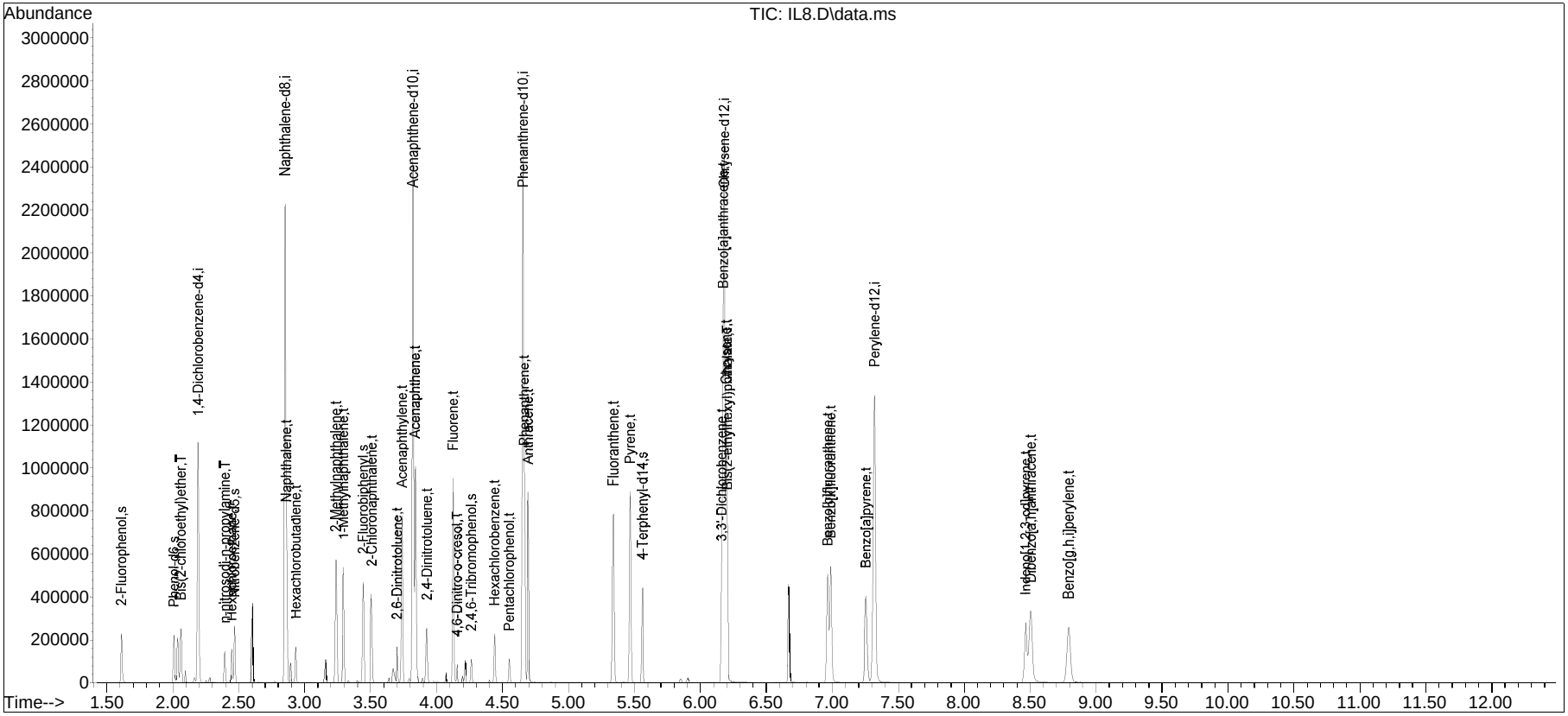
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

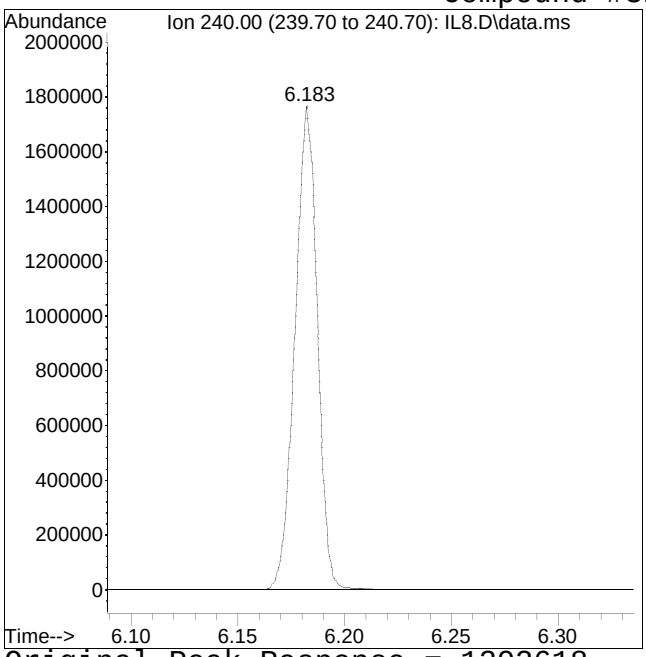
Sub List : Default - All compounds listedical\IL8.D•



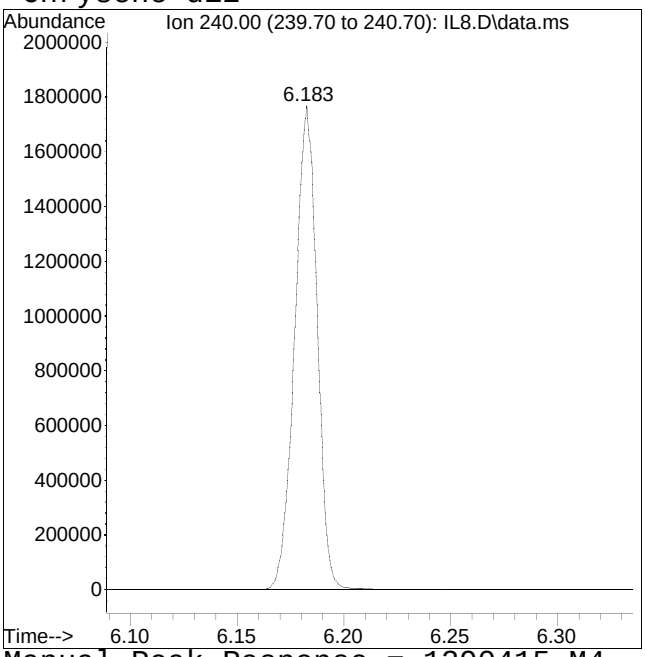
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #31: Chrysene-d12



Original Peak Response = 1292618

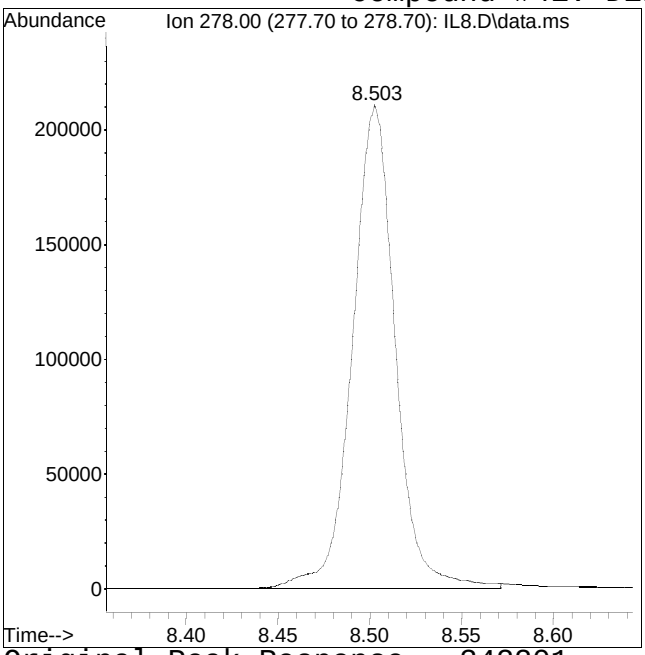


Manual Peak Response = 1290415 M4
M4 = Poor automated baseline construction.

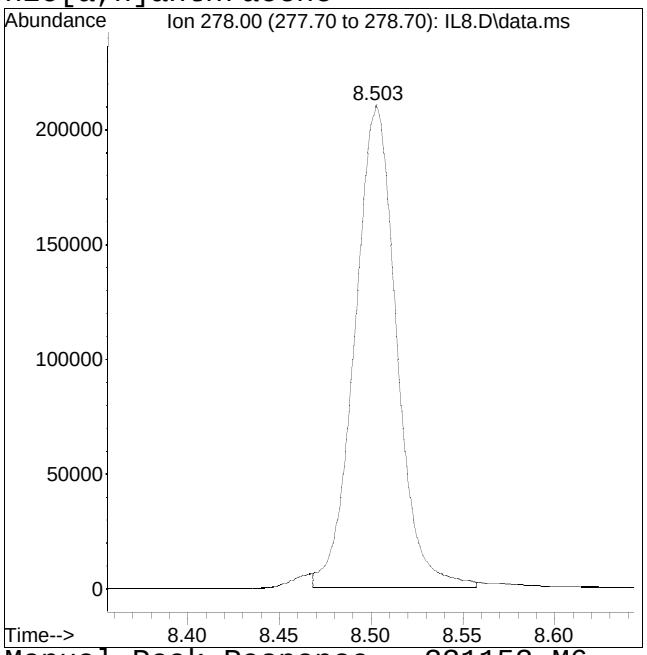
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 342201



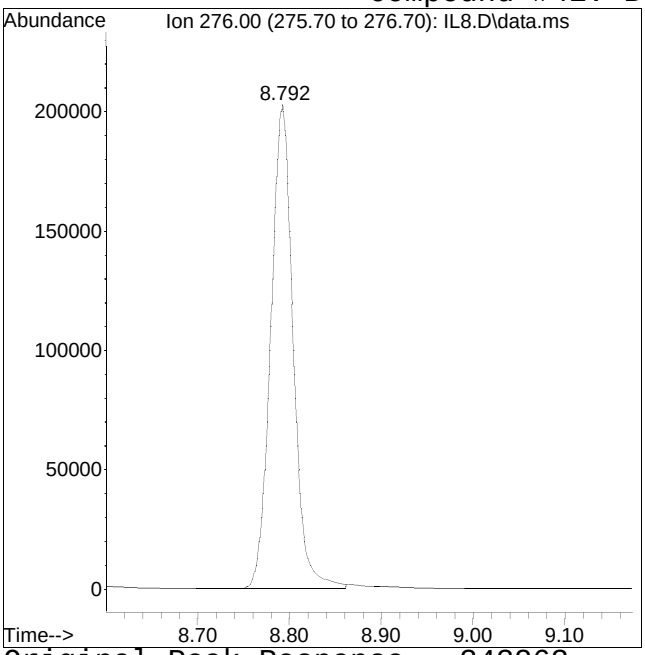
Manual Peak Response = 331153 M6

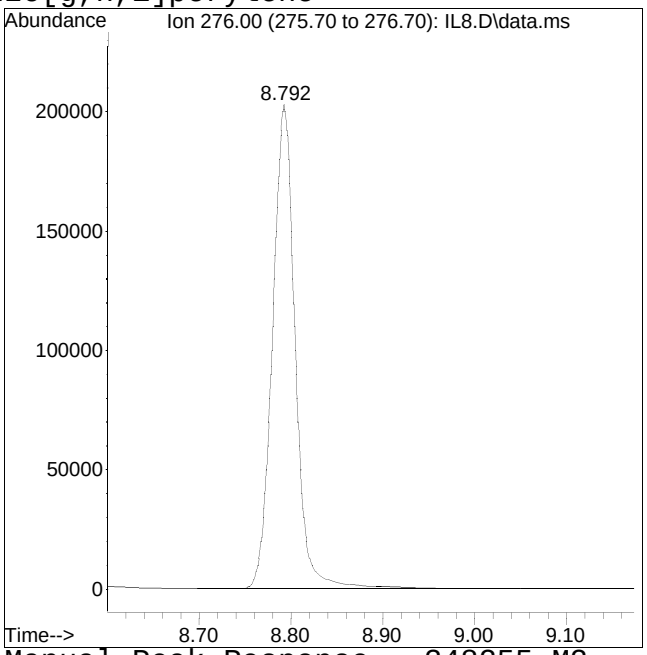
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 343263 Manual Peak Response = 348255 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	324986	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 97.55%			
8) Naphthalene-d8	2.850	136	1243780	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 96.69%			
17) Acenaphthene-d10	3.820	164	691333	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 95.21%			
22) Phenanthrene-d10	4.652	188	1463300	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 97.40%			
31) Chrysene-d12	6.182	240	1270880	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 98.49%			
36) Perylene-d12	7.318	264	1234542	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.04%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	48671	504.201	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.21%			
3) Phenol-d6	2.007	99	58940	501.944	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.10%			
7) Nitrobenzene-d5	2.471	82	48754	510.148	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 51.01%			
13) 2-Fluorobiphenyl	3.444	172	132919	495.912	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.59%			
21) 2,4,6-Tribromophenol	4.262	330	20538	539.607	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.98%			
30) 4-Terphenyl-d14	5.563	244	154520	504.221	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 25.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	52584	492.160	ng/ml	99
5) n-nitrosodi-n-propylamine	2.390	70	35168	497.464	ng/ml	99
6) Hexachloroethane	2.448	117	22895	502.195	ng/ml	100
9) Naphthalene	2.860	128	171422	479.960	ng/ml#	100
10) Hexachlorobutadiene	2.935	225	30539	497.781	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	113541	500.836	ng/ml	100
12) 1-Methylnaphthalene	3.292	142	105471	498.538	ng/ml	99
14) 2-Chloronaphthalene	3.507	162	115313	500.619	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	22206	449.785	ng/ml	99
16) Acenaphthylene	3.737	152	172763	522.454	ng/ml	100
18) Acenaphthene	3.837	153	122311	490.600	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	29946	454.979	ng/ml	95
20) Fluorene	4.126	166	137298	496.980	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.154	198	14765	459.324	ng/ml	100
24) Hexachlorobenzene	4.441	284	50420	491.413	ng/ml	99
25) Pentachlorophenol	4.552	266	18571	488.892	ng/ml	100
26) Phenanthrene	4.666	178	216925	499.234	ng/ml	100
27) Anthracene	4.694	178	212339	506.516	ng/ml	100
28) Fluoranthene	5.336	202	240988	513.293	ng/ml	100
29) Pyrene	5.467	202	257393	526.213	ng/ml	100
32) Benzo[a]anthracene	6.175	228	237728	490.115	ng/ml	100
33) 3,3'-Dichlorobenzene	6.163	252	77499	449.367	ng/ml	99
34) Chrysene	6.197	228	240961	521.293	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.205	149	125321	457.232	ng/ml	99
37) Benzo[b]fluoranthene	6.963	252	222557	534.072	ng/ml	100
38) Benzo[k]fluoranthene	6.986	252	205609	523.695	ng/ml	100
39) Benzo[a]pyrene	7.254	252	180472	541.524	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.468	276	159815	511.759	ng/ml	100
41) Dibenzo[a,h]anthracene	8.500	278	156568M6	534.226	ng/ml	
42) Benzo[g,h,i]perylene	8.790	276	166259	522.159	ng/ml	99

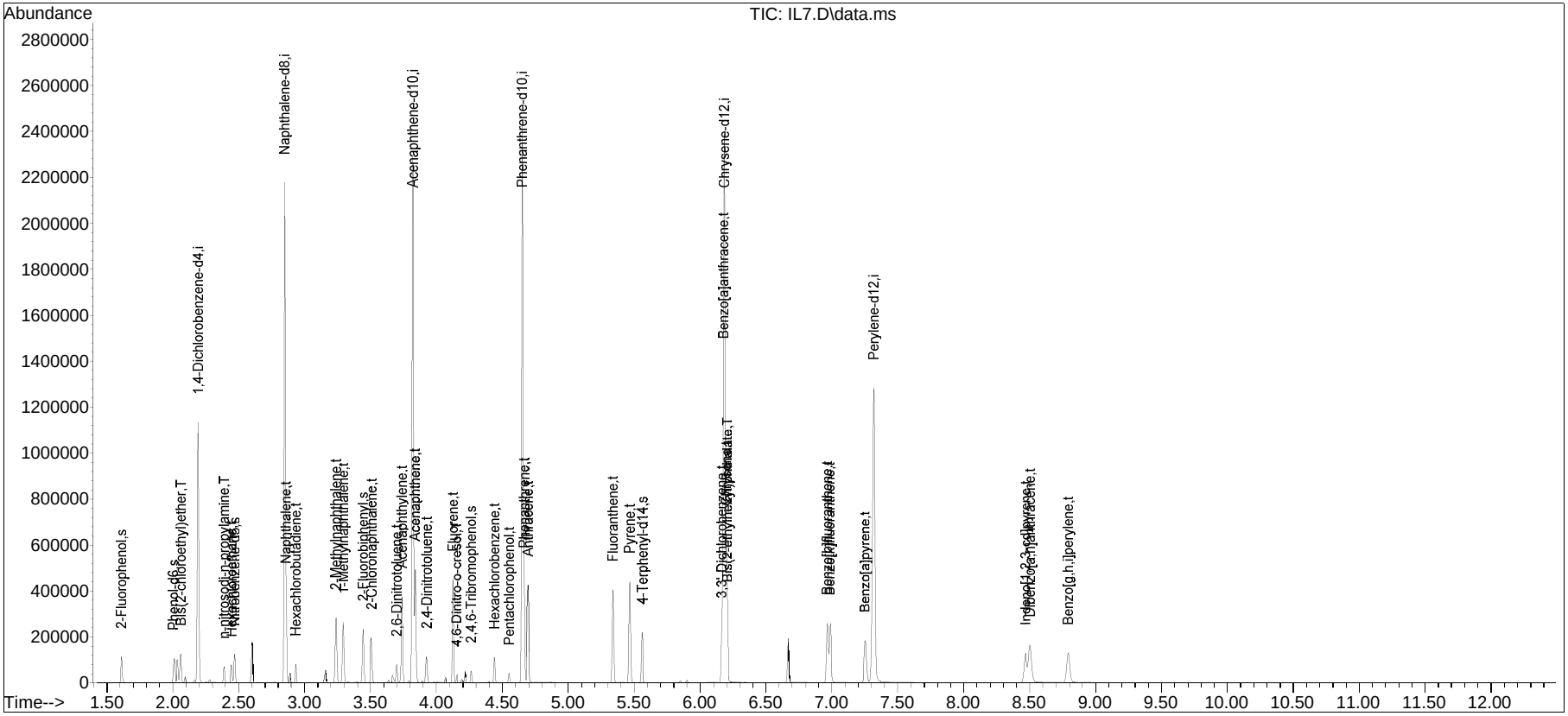
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

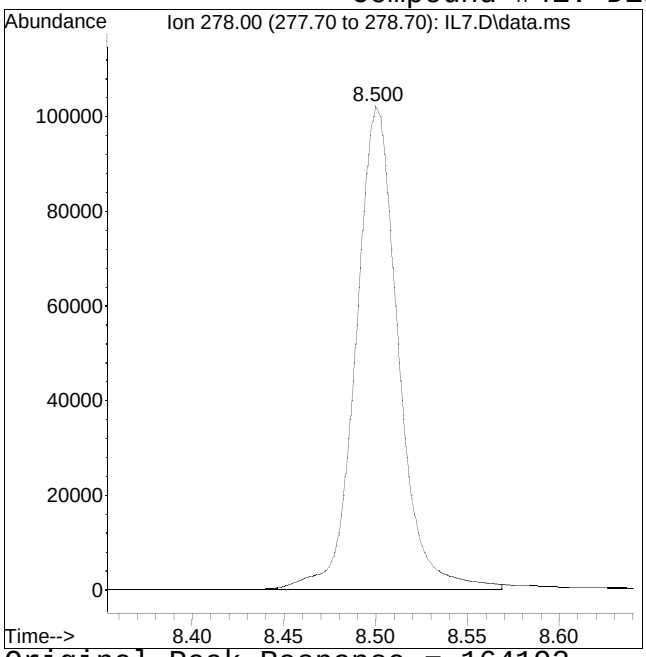
Sub List : Default - All compounds listedical\IL8.D•



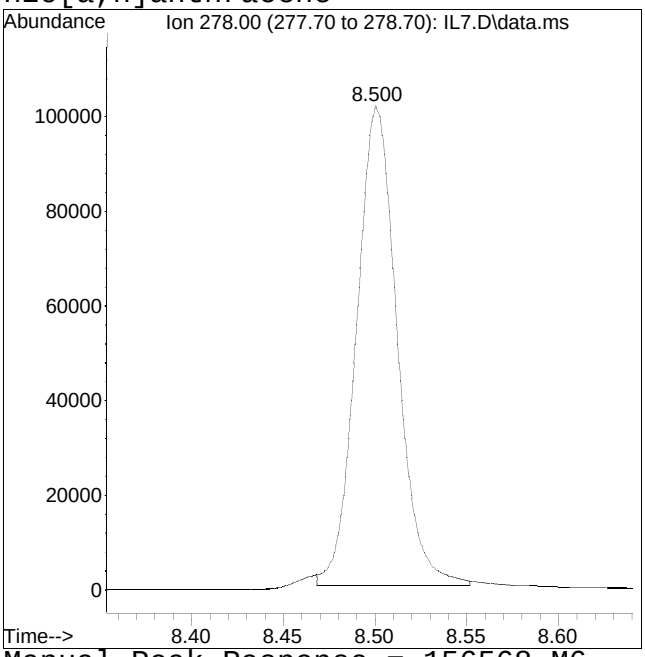
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL7.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:39 pm Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 10Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 164192



Manual Peak Response = 156568 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.193	152	338675	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 101.66%			
8) Naphthalene-d8	2.851	136	1284580	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 99.86%			
17) Acenaphthene-d10	3.821	164	706682	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 97.32%			
22) Phenanthrene-d10	4.653	188	1504560	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 100.15%			
31) Chrysene-d12	6.181	240	1323134	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 102.54%			
36) Perylene-d12	7.321	264	1243909	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.77%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	10219	101.584	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.08%#			
3) Phenol-d6	2.007	99	12198	99.682	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.98%#			
7) Nitrobenzene-d5	2.470	82	9914	99.544	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 9.95%#			
13) 2-Fluorobiphenyl	3.446	172	28226	101.965	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.20%#			
21) 2,4,6-Tribromophenol	4.262	330	3622	93.096	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.65%#			
30) 4-Terphenyl-d14	5.560	244	31416	99.704	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 4.99%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	10937	98.227	ng/ml	98
5) n-nitrosodi-n-propylamine	2.392	70	7075	96.033	ng/ml	98
6) Hexachloroethane	2.448	117	4795	100.926	ng/ml	100
9) Naphthalene	2.861	128	36212	98.169	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	6494	102.489	ng/ml	99
11) 2-Methylnaphthalene	3.239	142	23565	100.645	ng/ml	99
12) 1-Methylnaphthalene	3.290	142	21986	100.622	ng/ml	99
14) 2-Chloronaphthalene	3.505	162	24023	100.981	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	3772	92.775	ng/ml	95
16) Acenaphthylene	3.738	152	33711	98.708	ng/ml	99
18) Acenaphthene	3.838	153	25498	100.053	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.927	165	4830	92.022	ng/ml#	85
20) Fluorene	4.125	166	27543	97.532	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.155	198	2073	89.468	ng/ml	100
24) Hexachlorobenzene	4.441	284	10511	99.635	ng/ml	99
25) Pentachlorophenol	4.550	266	2324	73.620	ng/ml	100
26) Phenanthrene	4.664	178	45543	101.939	ng/ml	96
27) Anthracene	4.694	178	42834	99.375	ng/ml	99
28) Fluoranthene	5.337	202	48470	100.408	ng/ml	100
29) Pyrene	5.465	202	50624	100.657	ng/ml	100
32) Benzo[a]anthracene	6.174	228	50032	93.183	ng/ml	98
33) 3,3'-Dichlorobenzene	6.161	252	13107	92.851	ng/ml#	98
34) Chrysene	6.196	228	49175	102.183	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.203	149	19130	88.799	ng/ml	98
37) Benzo[b]fluoranthene	6.963	252	41970	99.957	ng/ml	99
38) Benzo[k]fluoranthene	6.985	252	37342	94.395	ng/ml	100
39) Benzo[a]pyrene	7.253	252	31881	94.942	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.463	276	28650	91.052	ng/ml	99
41) Dibenzo[a,h]anthracene	8.501	278	27990M6	94.786	ng/ml	
42) Benzo[g,h,i]perylene	8.787	276	30866	96.209	ng/ml	99

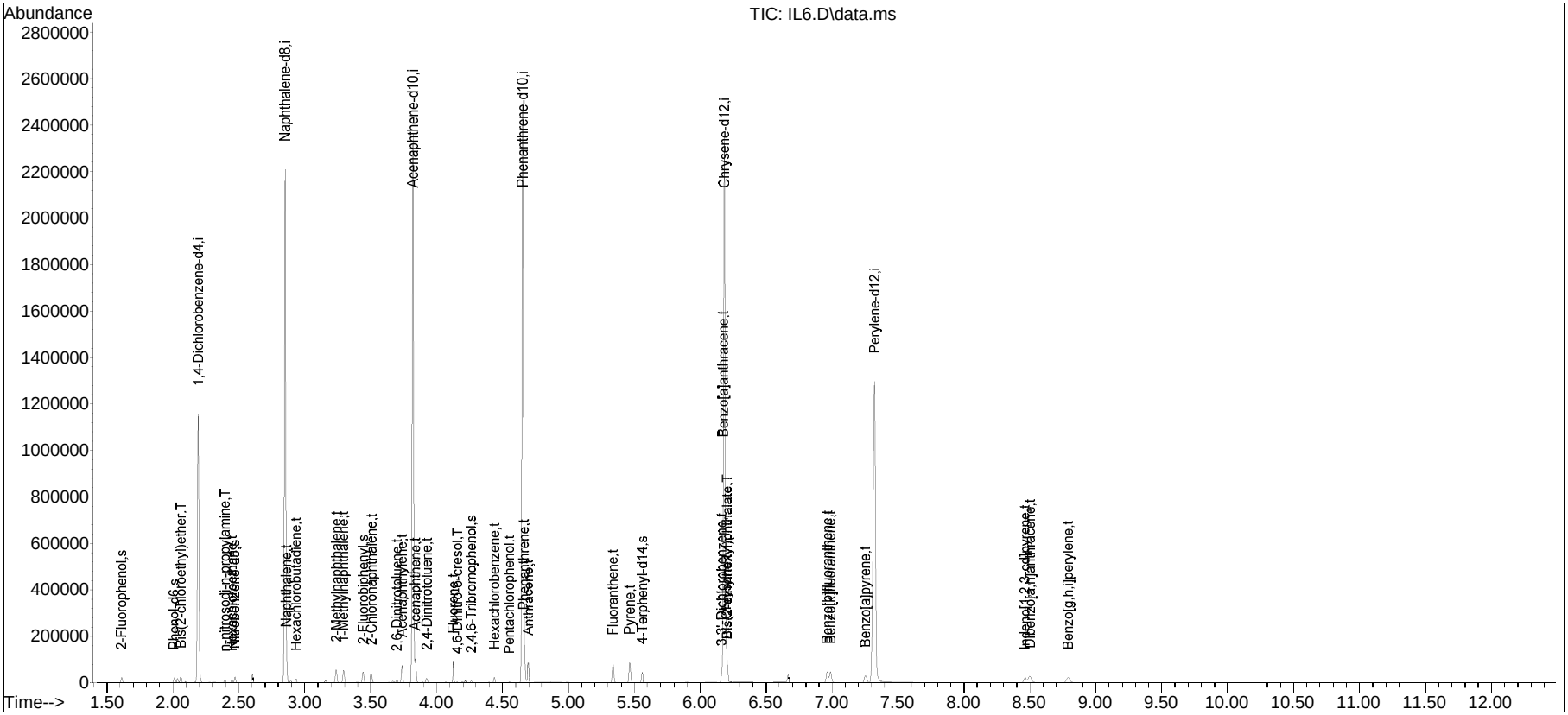
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

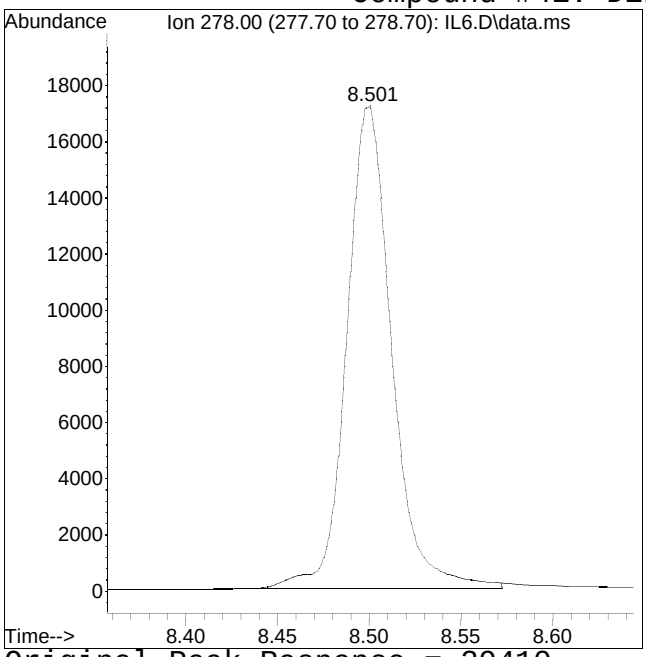
Sub List : Default - All compounds listedical\IL8.D•



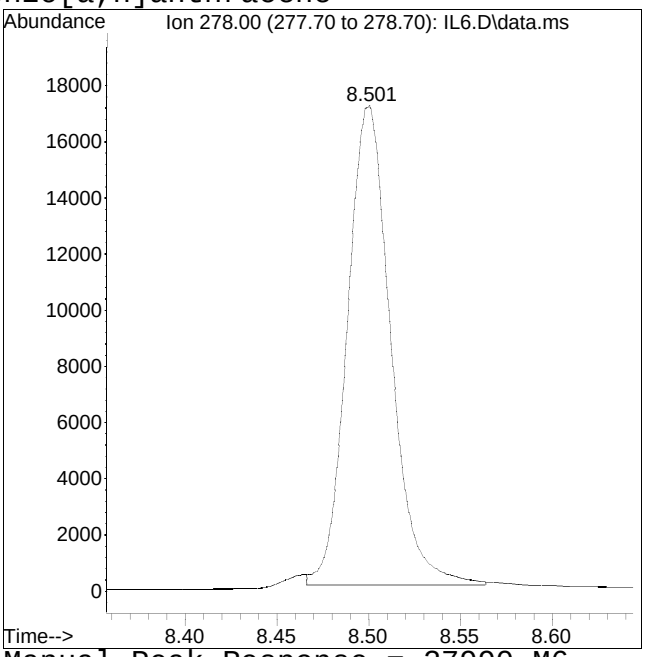
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL6.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:55 pm Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 10Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 29410



Manual Peak Response = 27990 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	329744	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 98.98%			
8) Naphthalene-d8	2.850	136	1246552	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 96.90%			
17) Acenaphthene-d10	3.820	164	683171	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 94.08%			
22) Phenanthrene-d10	4.652	188	1443620	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 96.09%			
31) Chrysene-d12	6.180	240	1283010	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 99.43%			
36) Perylene-d12	7.315	264	1186606	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 93.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	3851	39.318	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.97%#			
3) Phenol-d6	2.010	99	4594	38.559	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.93%#			
7) Nitrobenzene-d5	2.471	82	3686	38.013	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.80%#			
13) 2-Fluorobiphenyl	3.444	172	10651	39.650	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.96%#			
21) 2,4,6-Tribromophenol	4.262	330	1219	32.410	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.62%#			
30) 4-Terphenyl-d14	5.562	244	11759	38.894	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 1.94%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	4219	38.918	ng/ml	100
5) n-nitrosodi-n-propylamine	2.393	70	2636	36.749	ng/ml	99
6) Hexachloroethane	2.449	117	1816	39.259	ng/ml	99
9) Naphthalene	2.862	128	13843	38.672	ng/ml#	98
10) Hexachlorobutadiene	2.935	225	2490	40.496	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	8922	39.268	ng/ml	99
12) 1-Methylnaphthalene	3.292	142	8401	39.621	ng/ml	99
14) 2-Chloronaphthalene	3.507	162	9045	39.181	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	1318	47.804	ng/ml	96
16) Acenaphthylene	3.737	152	12500	37.717	ng/ml	100
18) Acenaphthene	3.837	153	9777	39.685	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	1628	47.731	ng/ml#	79
20) Fluorene	4.126	166	10216	37.421	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.156	198	578	47.181	ng/ml	93
24) Hexachlorobenzene	4.441	284	3897	38.499	ng/ml	98
25) Pentachlorophenol	4.552	266	529	24.405	ng/ml	96
26) Phenanthrene	4.666	178	17679	41.241	ng/ml#	89
27) Anthracene	4.694	178	16036	38.774	ng/ml	99
28) Fluoranthene	5.339	202	18085	39.045	ng/ml	99
29) Pyrene	5.467	202	18773	38.903	ng/ml	100
32) Benzo[a]anthracene	6.173	228	21191	36.542	ng/ml	95
33) 3,3'-Dichlorobenzene	6.161	252	4567	48.551	ng/ml#	98
34) Chrysene	6.193	228	18442	39.520	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.203	149	6677	47.532	ng/ml	99
37) Benzo[b]fluoranthene	6.960	252	14930	37.275	ng/ml	100
38) Benzo[k]fluoranthene	6.983	252	13559	35.931	ng/ml	99
39) Benzo[a]pyrene	7.251	252	11260	35.152	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.463	276	10362	34.522	ng/ml	98
41) Dibenzo[a,h]anthracene	8.498	278	9589M6	34.040	ng/ml	
42) Benzo[g,h,i]perylene	8.787	276	10892	35.590	ng/ml	100

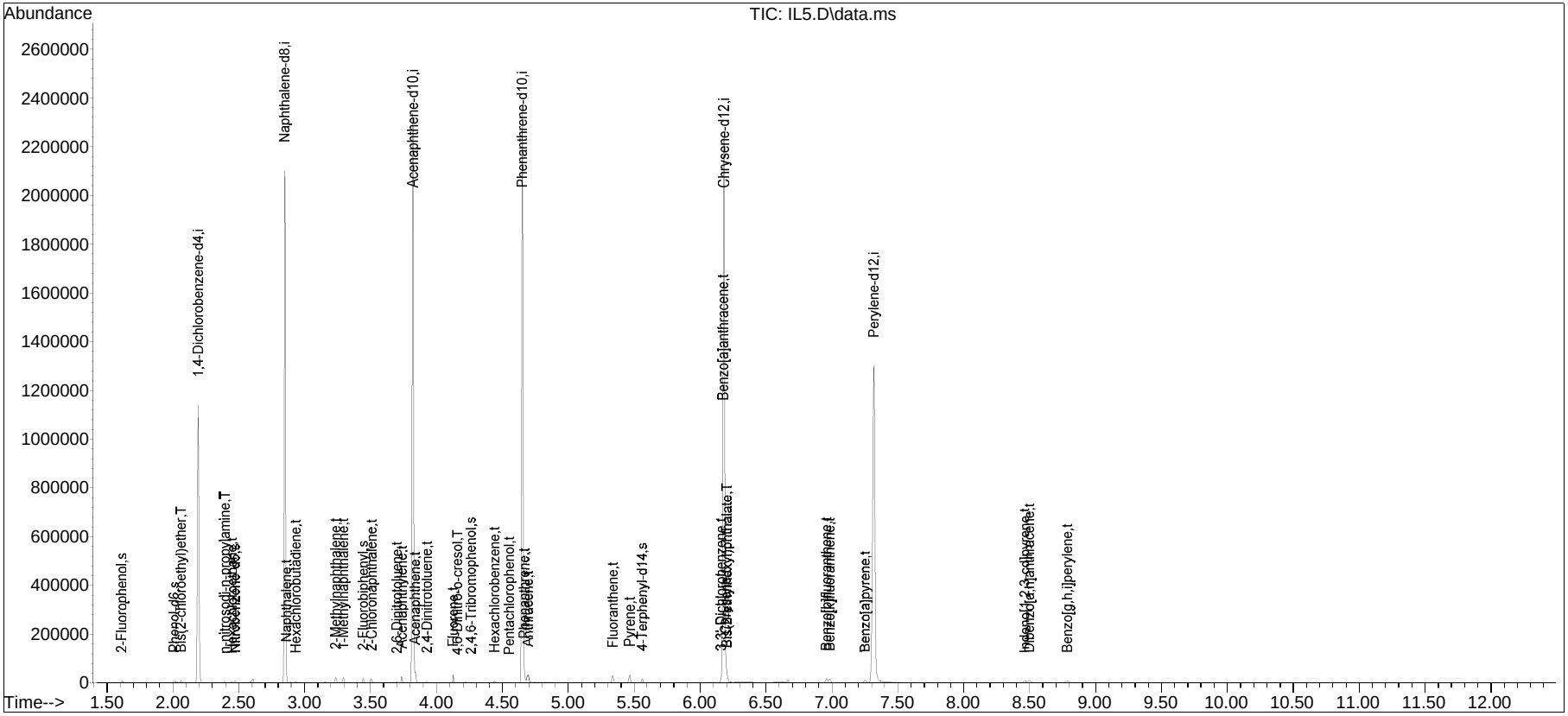
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

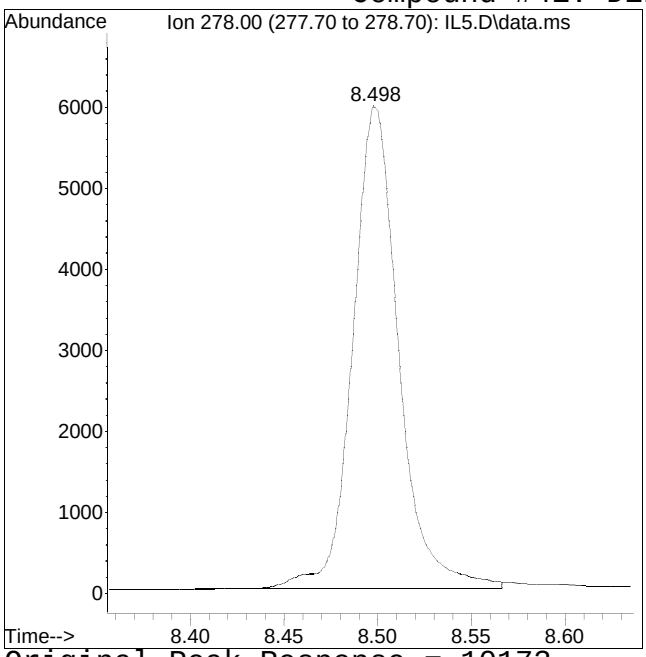
Sub List : Default - All compounds listedical\IL8.D•



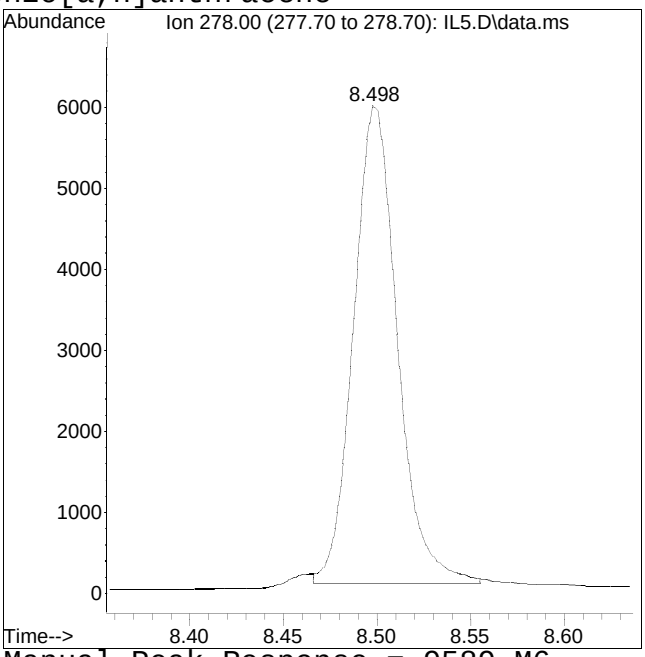
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL5.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 6:11 pm Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 10173



Manual Peak Response = 9589 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	319365	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 95.87%			
8) Naphthalene-d8	2.852	136	1195241	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 92.91%			
17) Acenaphthene-d10	3.820	164	653024	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 89.93%			
22) Phenanthrene-d10	4.654	188	1376894	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 91.65%			
31) Chrysene-d12	6.181	240	1211639	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 93.90%			
36) Perylene-d12	7.318	264	1105349	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 86.88%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.614	112	942	9.930	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	2.010	99	1127	9.767	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
7) Nitrobenzene-d5	2.470	82	890	9.477	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.444	172	2602	10.102	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
21) 2,4,6-Tribromophenol	4.261	330	275	7.649	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.38%#			
30) 4-Terphenyl-d14	5.560	244	2901	10.060	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.50%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.059	93	1046	9.962	ng/ml	99
5) n-nitrosodi-n-propylamine	2.393	70	654	9.414	ng/ml	100
6) Hexachloroethane	2.448	117	451	10.067	ng/ml	99
9) Naphthalene	2.862	128	3525	10.270	ng/ml#	92
10) Hexachlorobutadiene	2.935	225	622	10.550	ng/ml	98
11) 2-Methylnaphthalene	3.237	142	2202	10.108	ng/ml	99
12) 1-Methylnaphthalene	3.291	142	2052	10.093	ng/ml	99
14) 2-Chloronaphthalene	3.506	162	2224	10.047	ng/ml	99
15) 2,6-Dinitrotoluene	3.703	165	316	28.827	ng/ml	92
16) Acenaphthylene	3.739	152	3014	9.485	ng/ml	99
18) Acenaphthene	3.836	153	2503	10.629	ng/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.928	165	375	29.736	ng/ml#	79
20) Fluorene	4.126	166	2525	9.676	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.158	198	109M7	33.248	ng/ml	
24) Hexachlorobenzene	4.440	284	961	9.954	ng/ml	99
25) Pentachlorophenol	4.554	266	241	18.433	ng/ml	96
26) Phenanthrene	4.665	178	4340M6	10.615	ng/ml	
27) Anthracene	4.693	178	4000	10.140	ng/ml	100
28) Fluoranthene	5.337	202	4503	10.193	ng/ml	100
29) Pyrene	5.468	202	4563	9.914	ng/ml	100
32) Benzo[a]anthracene	6.178	228	8098	10.389	ng/ml#	83
33) 3,3'-Dichlorobenzene	6.161	252	998	29.453	ng/ml#	1
34) Chrysene	6.196	228	4380	9.939	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.205	149	1622	30.248	ng/ml	100
37) Benzo[b]fluoranthene	6.963	252	3387	9.078	ng/ml	96
38) Benzo[k]fluoranthene	6.986	252	3376	9.604	ng/ml	96
39) Benzo[a]pyrene	7.254	252	2622	8.787	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.466	276	2456	8.784	ng/ml	99
41) Dibenzo[a,h]anthracene	8.503	278	2209M6	8.418	ng/ml	
42) Benzo[g,h,i]perylene	8.790	276	2558	8.973	ng/ml	100

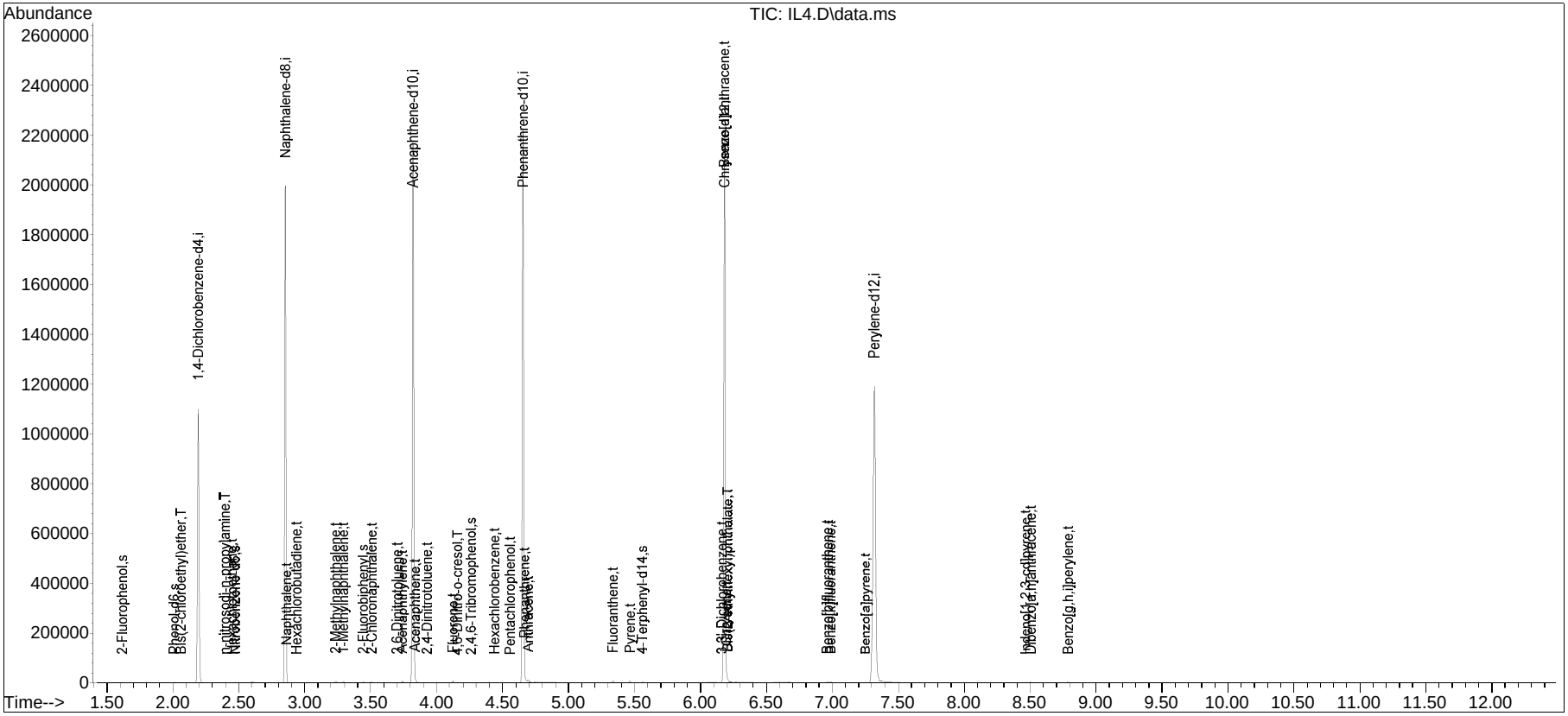
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

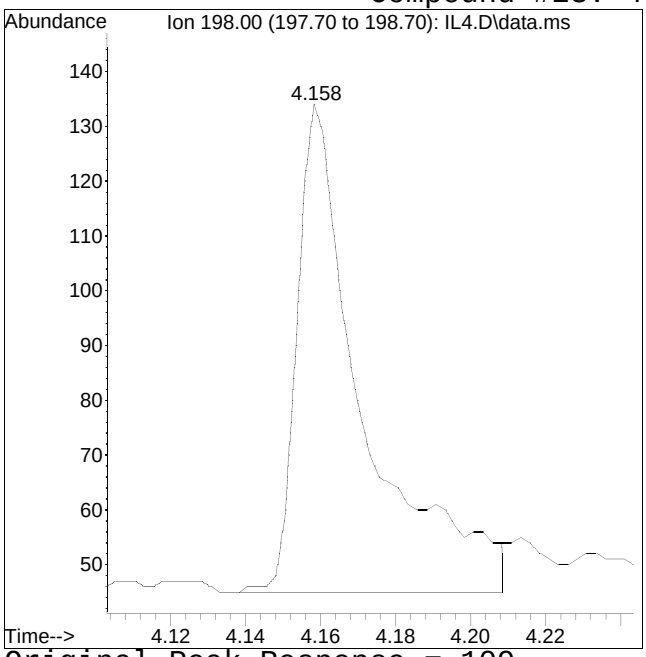


Manual Integration Report

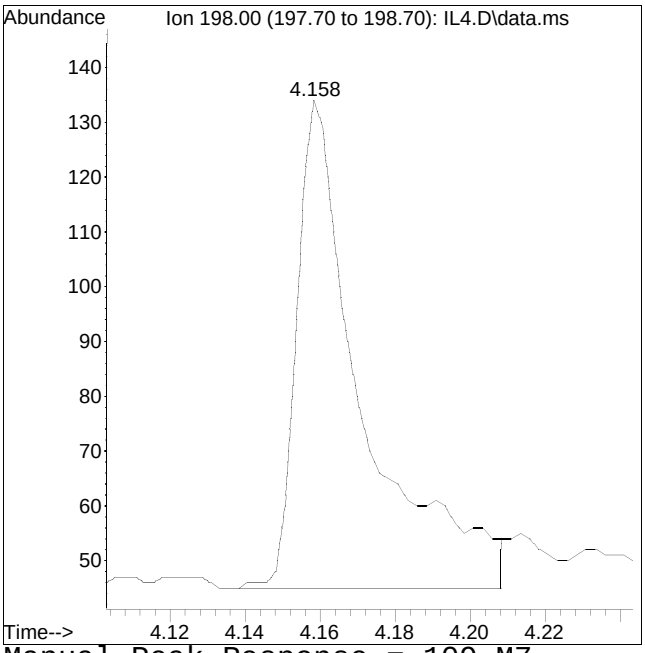
Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089

Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #23: 4,6-Dinitro-o-cresol



Original Peak Response = 109



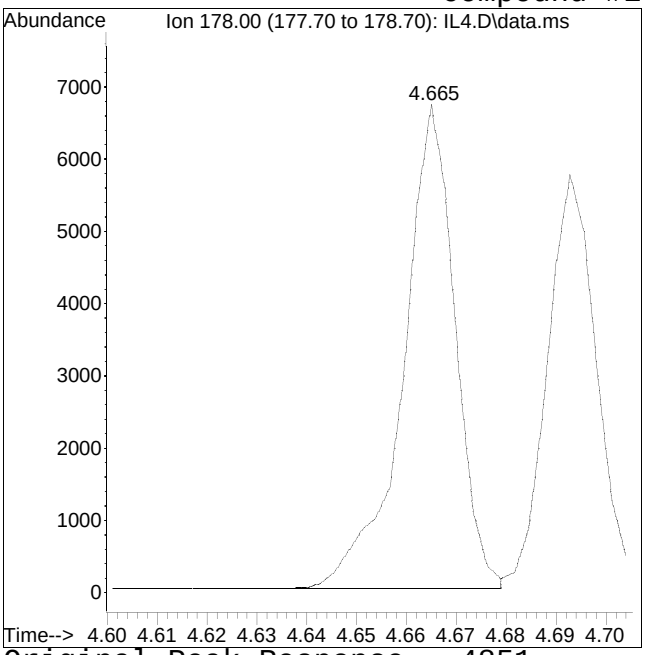
Manual Peak Response = 109 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

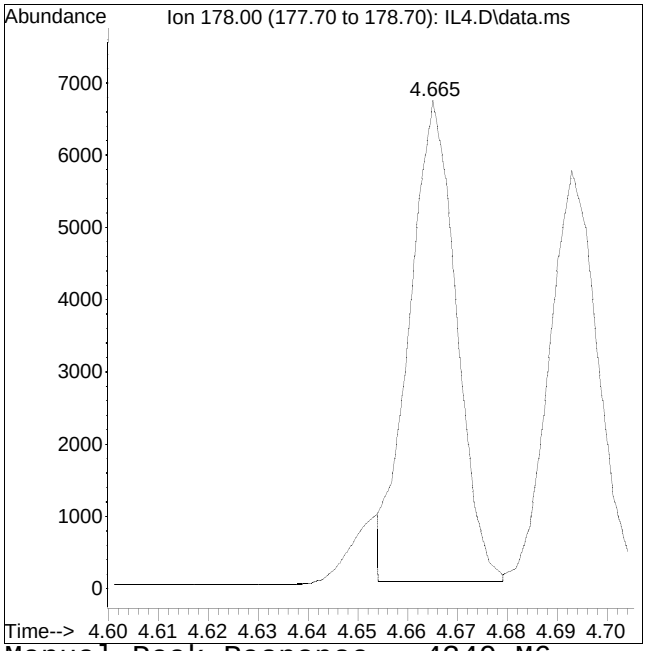
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #26: Phenanthrene



Original Peak Response = 4851



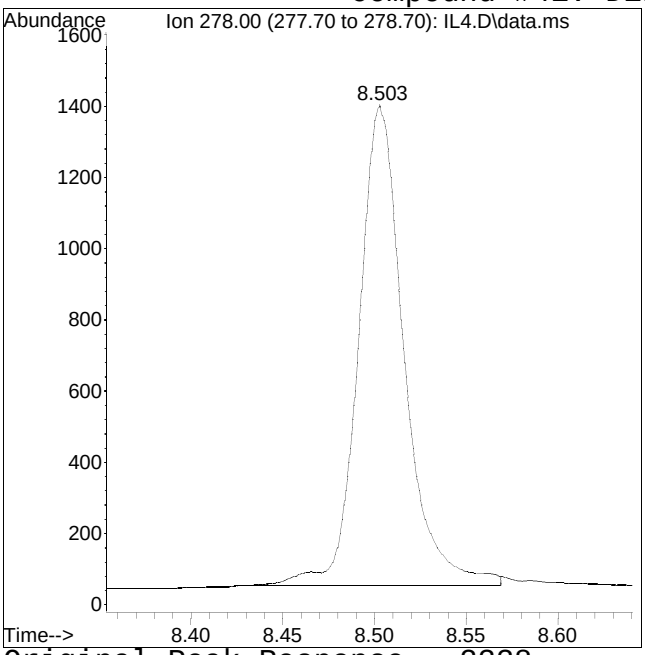
Manual Peak Response = 4340 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

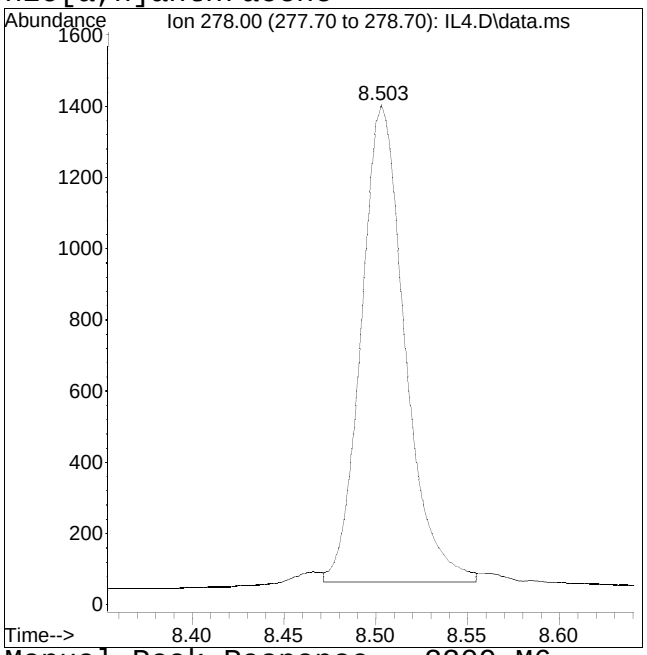
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2338



Manual Peak Response = 2209 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	340562	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery	= 102.23%	
8) Naphthalene-d8	2.850	136	1281411	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery	= 99.61%	
17) Acenaphthene-d10	3.820	164	695923	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery	= 95.84%	
22) Phenanthrene-d10	4.655	188	1467517	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery	= 97.68%	
31) Chrysene-d12	6.182	240	1280040	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery	= 99.20%	
36) Perylene-d12	7.320	264	1162330	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery	= 91.36%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	507	5.012 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.25%#	
3) Phenol-d6	2.010	99	593	4.819 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.24%#	
7) Nitrobenzene-d5	2.471	82	478	4.773 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.48%#	
13) 2-Fluorobiphenyl	3.444	172	1393	5.045 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.50%#	
21) 2,4,6-Tribromophenol	4.262	330	148	3.863 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.19%#	
30) 4-Terphenyl-d14	5.561	244	1570	5.108 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.26%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.059	93	576M6	5.145 ng/ml	
5) n-nitrosodi-n-propylamine	2.393	70	358	4.832 ng/ml	98
6) Hexachloroethane	2.449	117	250	5.233 ng/ml	97
9) Naphthalene	2.862	128	1910	5.191 ng/ml#	84
10) Hexachlorobutadiene	2.935	225	333	5.268 ng/ml	94
11) 2-Methylnaphthalene	3.237	142	1168	5.001 ng/ml	96
12) 1-Methylnaphthalene	3.292	142	1086	4.983 ng/ml	97
14) 2-Chloronaphthalene	3.507	162	1193	5.027 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.737	152	1628	4.779 ng/ml	99
18) Acenaphthene	3.837	153	1274M6	5.076 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.127	166	1367	4.916	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.441	284	507	4.927	ng/ml	98
25) Pentachlorophenol	4.555	266	137M6	12.814	ng/ml	
26) Phenanthrene	4.666	178	2279M6	5.230	ng/ml	
27) Anthracene	4.694	178	2178	5.180	ng/ml	100
28) Fluoranthene	5.338	202	2437	5.176	ng/ml	100
29) Pyrene	5.465	202	2493	5.082	ng/ml	99
32) Benzo[a]anthracene	6.179	228	6289M4	5.681	ng/ml	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	6.194	228	2331	5.007	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	6.962	252	1878	4.787	ng/ml	100
38) Benzo[k]fluoranthene	6.984	252	1716	4.642	ng/ml	100
39) Benzo[a]pyrene	7.256	252	1367	4.357	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.465	276	1275	4.336	ng/ml	99
41) Dibenzo[a,h]anthracene	8.505	278	1128	4.088	ng/ml	100
42) Benzo[g,h,i]perylene	8.789	276	1327	4.427	ng/ml	100

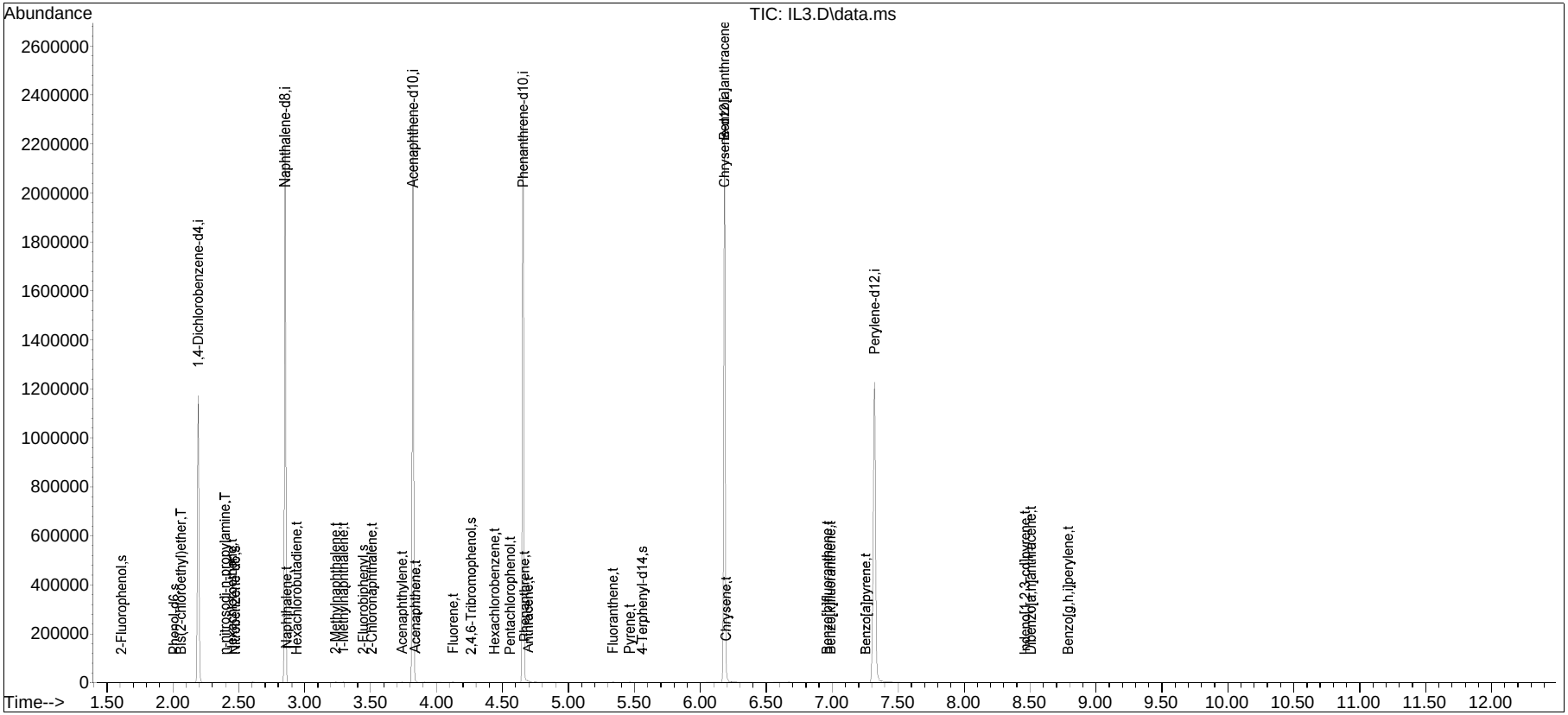
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

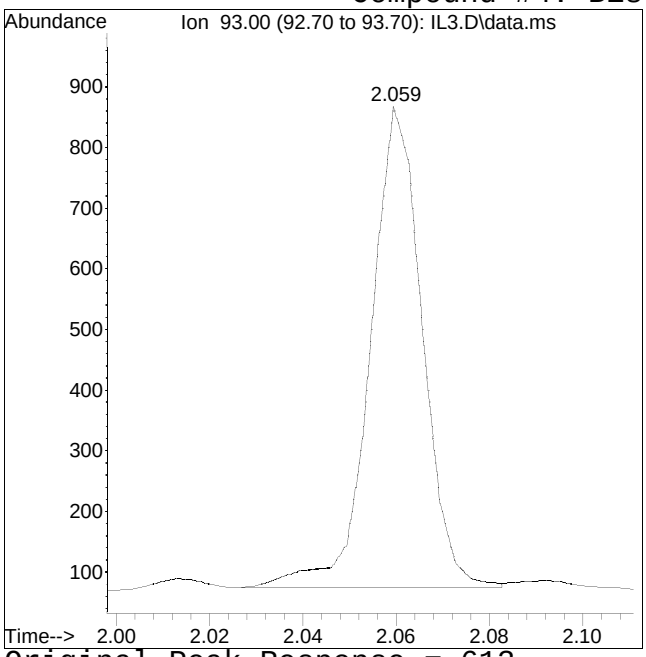
Sub List : Default - All compounds listedical\IL8.D•



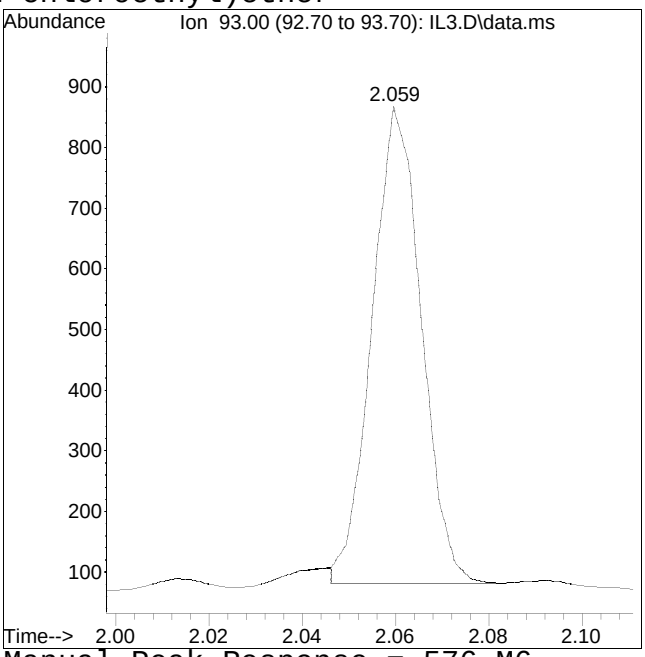
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 613



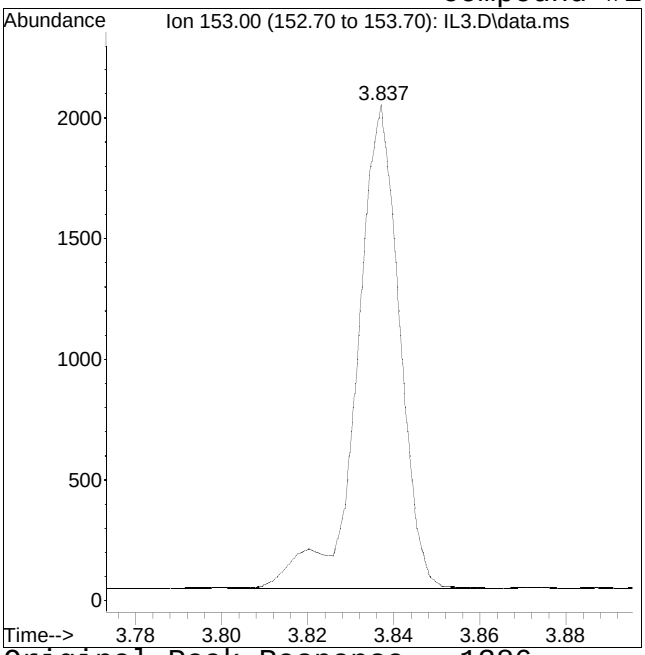
Manual Peak Response = 576 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

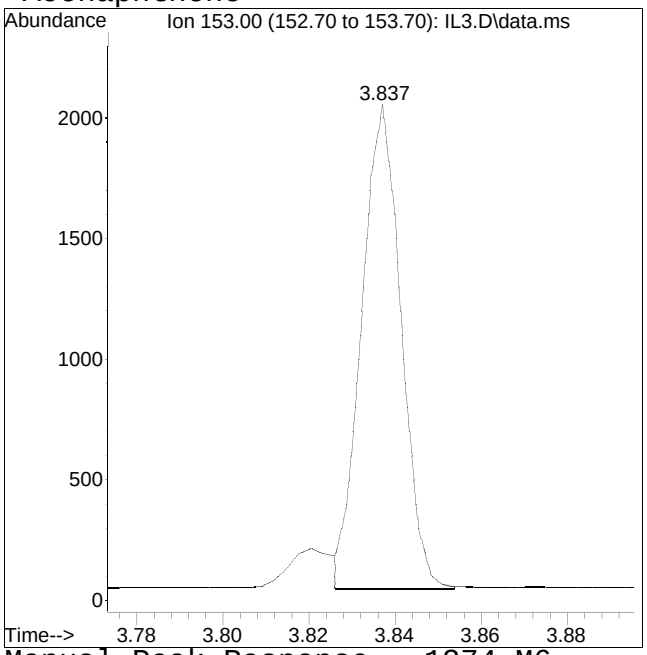
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #18: Acenaphthene



Original Peak Response = 1386



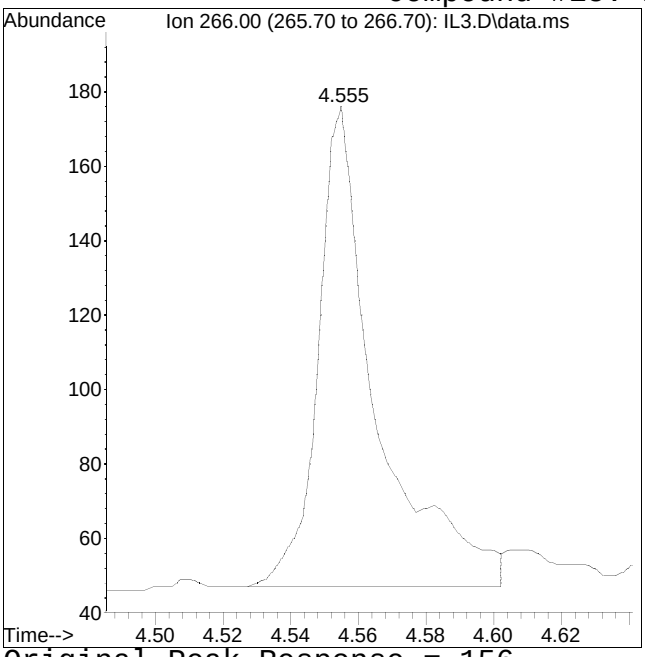
Manual Peak Response = 1274 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

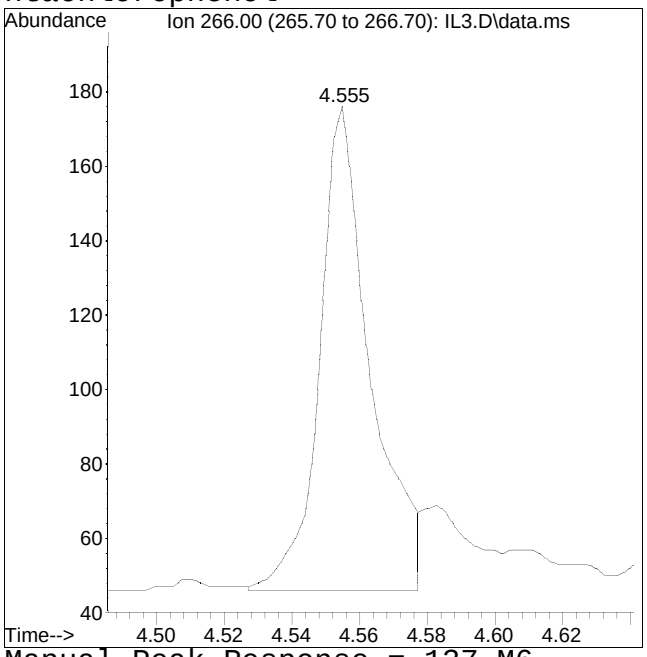
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #25: Pentachlorophenol



Original Peak Response = 156



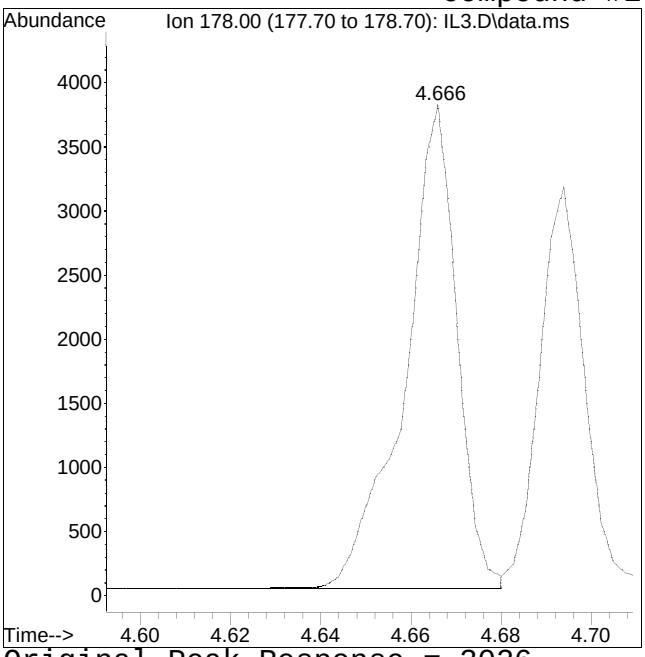
Manual Peak Response = 137 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

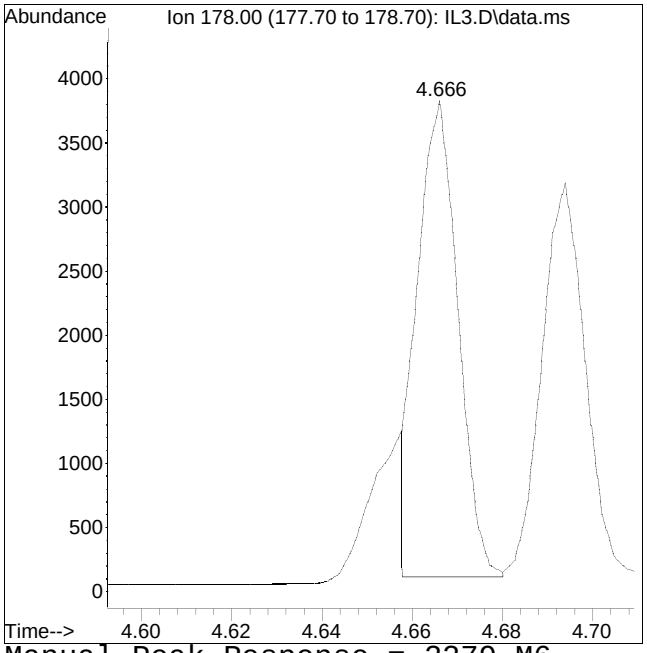
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #26: Phenanthrene



Original Peak Response = 3026



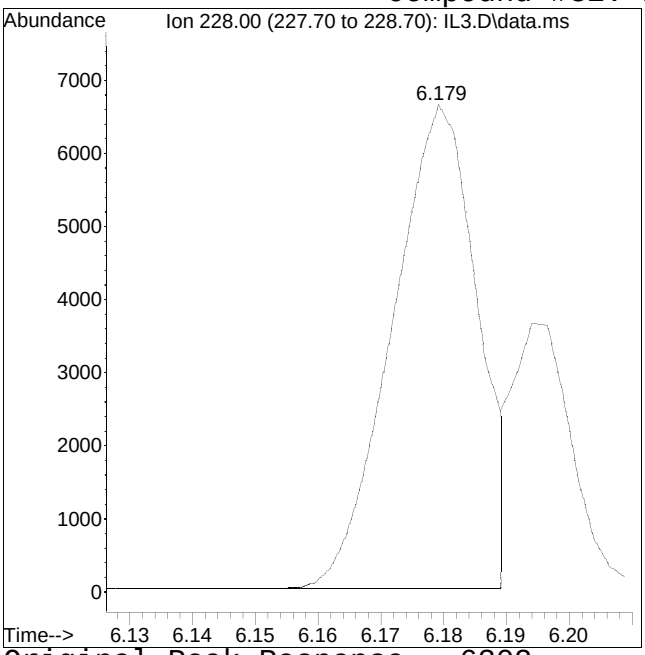
Manual Peak Response = 2279 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

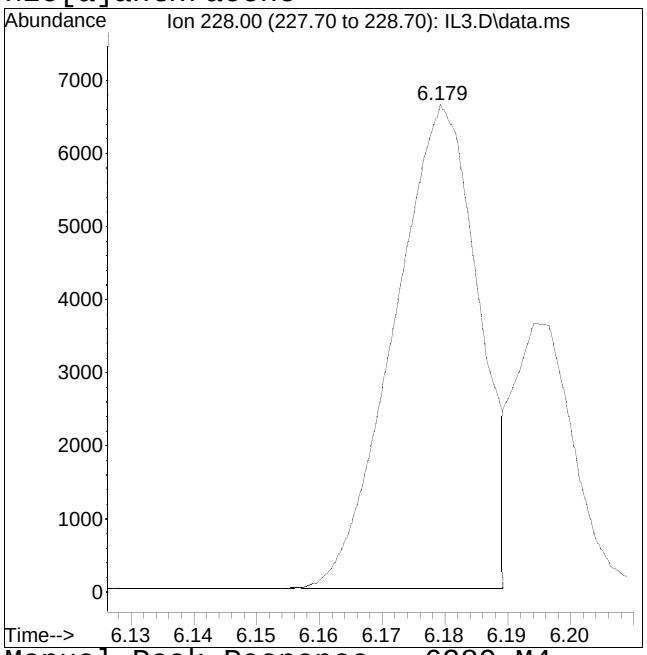
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 6302



Manual Peak Response = 6289 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	317694	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery	= 95.36%	
8) Naphthalene-d8	2.850	136	1196630	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery	= 93.02%	
17) Acenaphthene-d10	3.821	164	656125	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery	= 90.36%	
22) Phenanthrene-d10	4.655	188	1387301	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery	= 92.34%	
31) Chrysene-d12	6.180	240	1215166	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery	= 94.17%	
36) Perylene-d12	7.319	264	1098528	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery	= 86.35%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	201	2.148 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#	
3) Phenol-d6	2.010	99	249	2.184 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#	
7) Nitrobenzene-d5	2.471	82	184	1.953 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.20%#	
13) 2-Fluorobiphenyl	3.445	172	567	2.229 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#	
21) 2,4,6-Tribromophenol	0.000	330	0d	0.000 ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#	
30) 4-Terphenyl-d14	5.562	244	678	2.398 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.12%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	259	2.579 ng/ml	85
5) n-nitrosodi-n-propylamine	2.393	70	147M7	2.136 ng/ml	
6) Hexachloroethane	2.449	117	102	2.304 ng/ml	95
9) Naphthalene	2.860	128	767M6	2.276 ng/ml	
10) Hexachlorobutadiene	2.935	225	132	2.254 ng/ml	95
11) 2-Methylnaphthalene	3.238	142	470	2.179 ng/ml	96
12) 1-Methylnaphthalene	3.292	142	448	2.232 ng/ml	99
14) 2-Chloronaphthalene	3.507	162	486	2.225 ng/ml	96
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.737	152	633	1.977 ng/ml	95
18) Acenaphthene	3.837	153	526	2.264 ng/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.126	166	577	2.224	ng/ml	96
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.441	284	208	2.153	ng/ml	92
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.666	178	1050M6	2.566	ng/ml	
27) Anthracene	4.694	178	969	2.451	ng/ml	96
28) Fluoranthene	5.339	202	1064	2.402	ng/ml	99
29) Pyrene	5.467	202	1106	2.391	ng/ml	100
32) Benzo[a]anthracene	0.000		0	N.D.	d	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	6.963	252	745	1.998	ng/ml	98
38) Benzo[k]fluoranthene	6.986	252	724M6	2.062	ng/ml	
39) Benzo[a]pyrene	7.254	252	561	1.844	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.463	276	518	1.829	ng/ml	98
41) Dibenzo[a,h]anthracene	8.504	278	457	1.708	ng/ml	96
42) Benzo[g,h,i]perylene	8.788	276	556	1.926	ng/ml	95

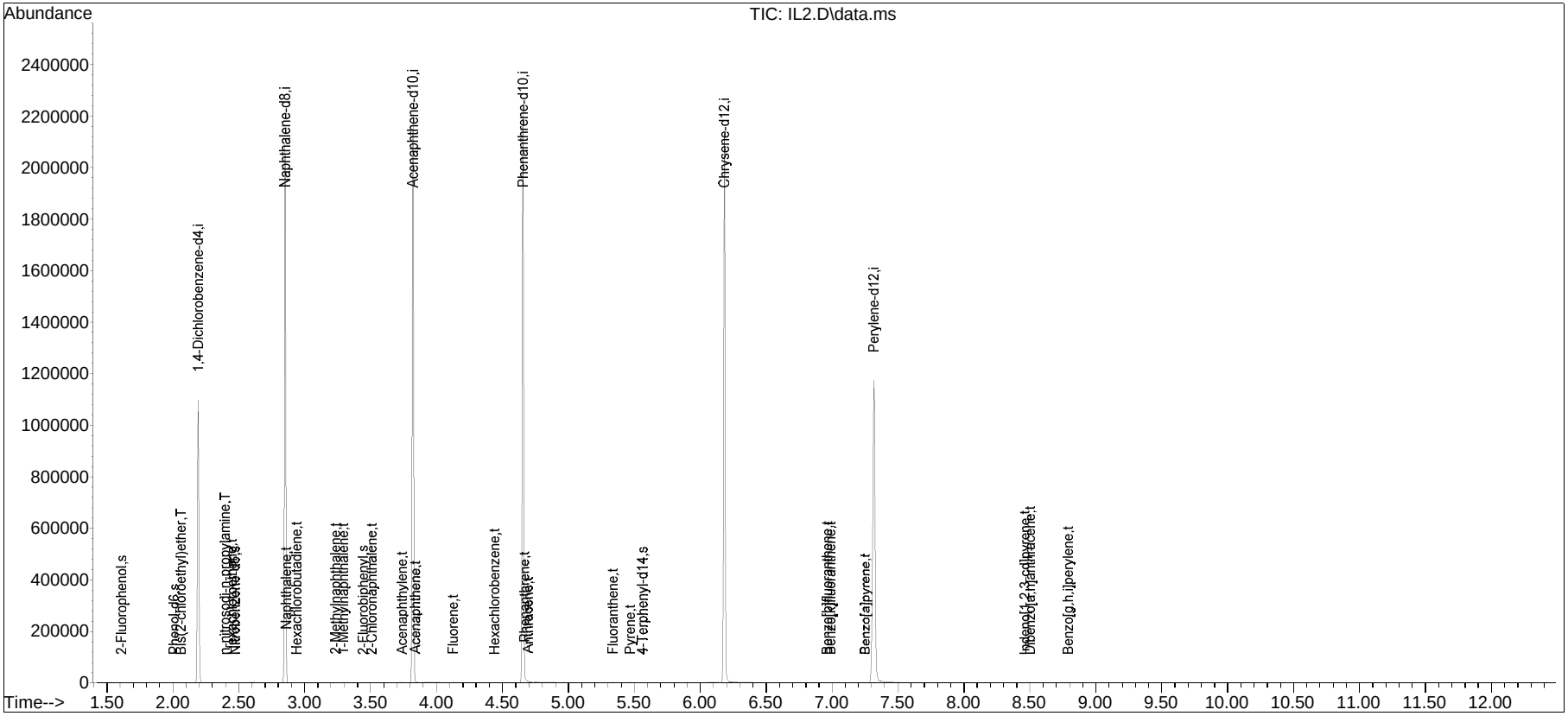
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

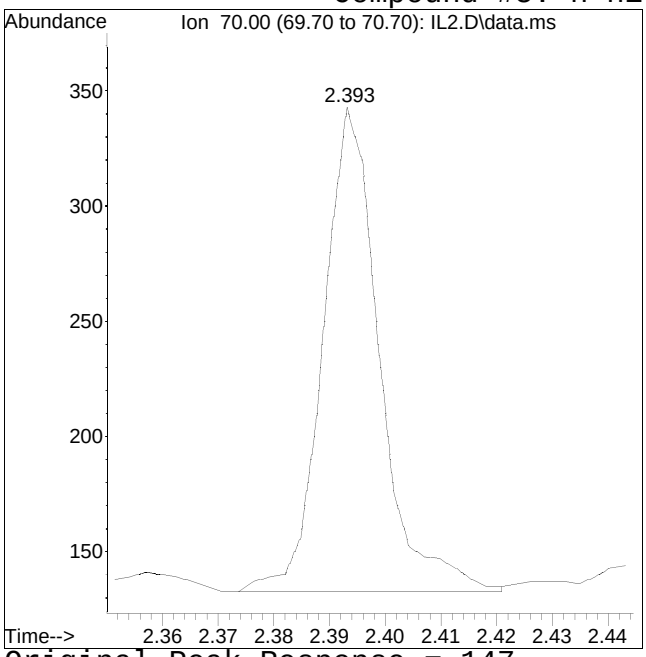
Sub List : Default - All compounds listedical\IL8.D•



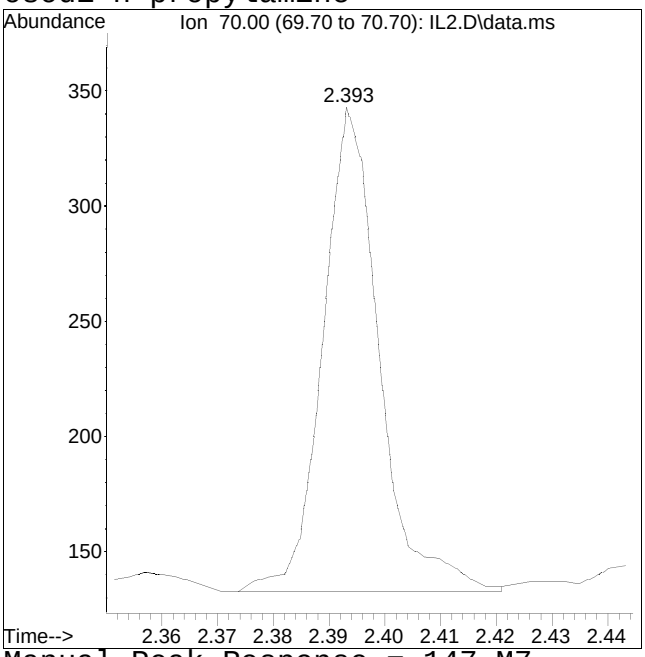
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 147



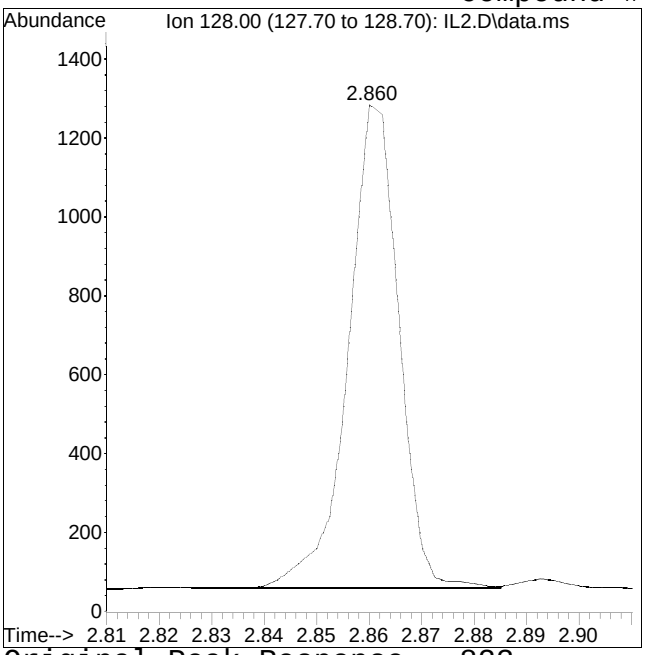
Manual Peak Response = 147 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

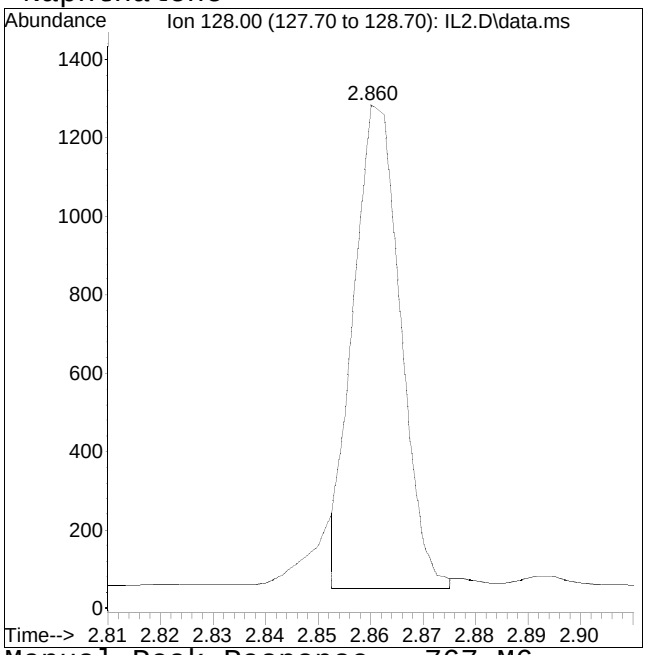
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #9: Naphthalene



Original Peak Response = 823



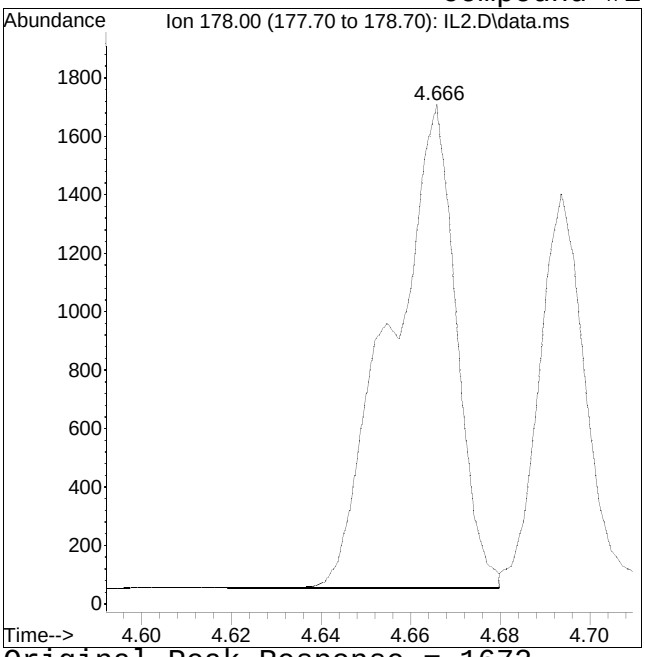
Manual Peak Response = 767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

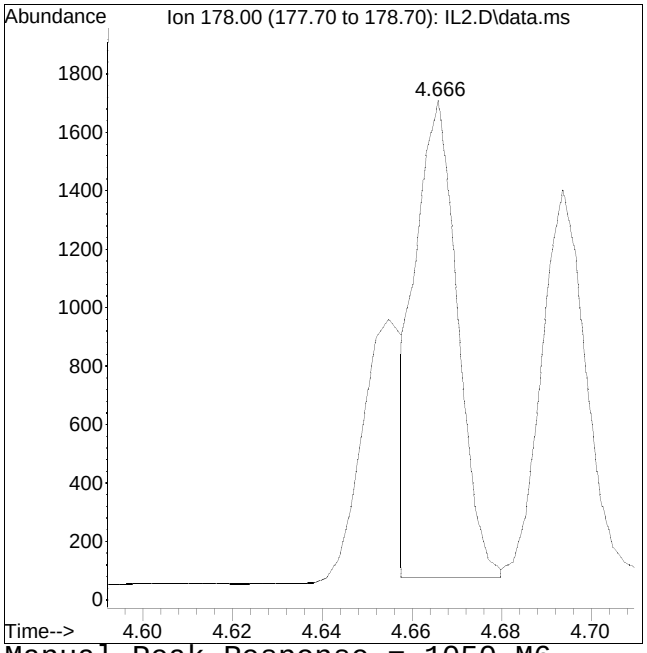
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL2.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 6:59 pm Instrument : SV120
Sample : IL2,32,,2.0ng/mL lot# 1090Quant Date : 7/29/2024 11:41 am

Compound #26: Phenanthrene



Original Peak Response = 1672



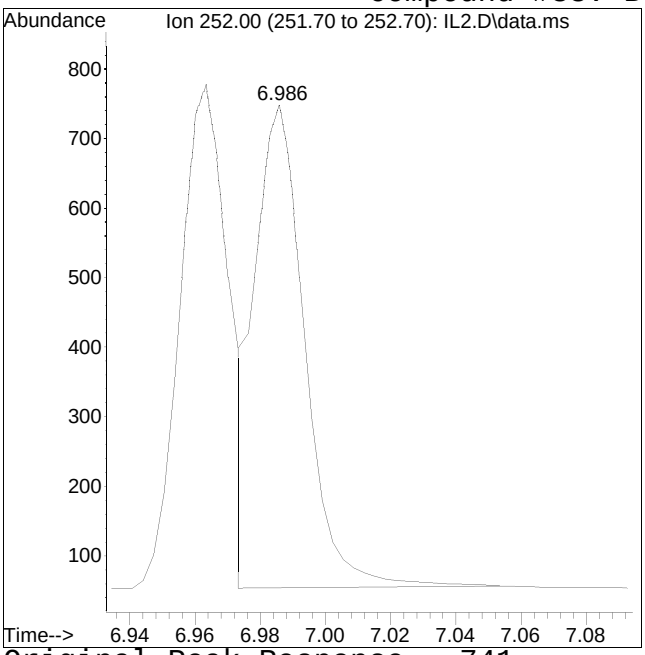
Manual Peak Response = 1050 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

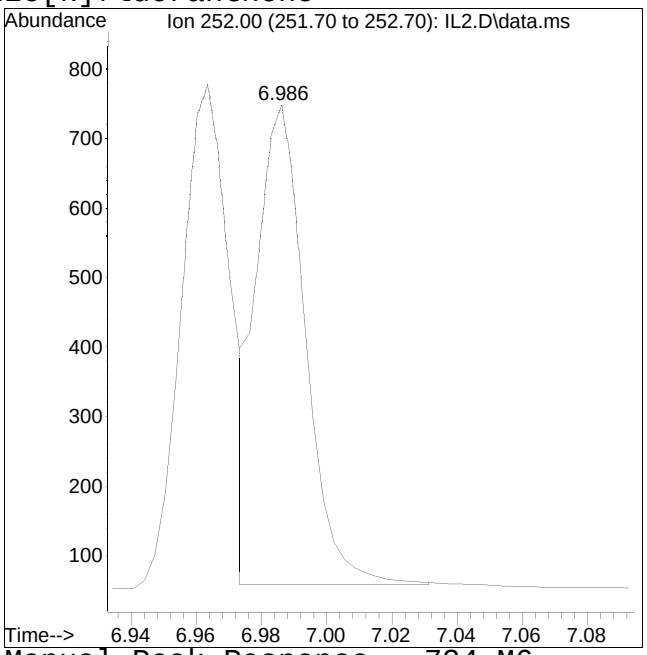
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 741



Manual Peak Response = 724 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	319973	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery = 96.05%		
8) Naphthalene-d8	2.850	136	1189565	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 92.47%		
17) Acenaphthene-d10	3.820	164	639241	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery = 88.03%		
22) Phenanthrene-d10	4.654	188	1335842	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 88.92%		
31) Chrysene-d12	6.180	240	1166472	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 90.40%		
36) Perylene-d12	7.317	264	1064127	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 83.64%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	96	1.021 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#		
3) Phenol-d6	2.010	99	119	1.036 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#		
7) Nitrobenzene-d5	2.471	82	83	0.875 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.09%#		
13) 2-Fluorobiphenyl	3.444	172	268	1.069 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#		
21) 2,4,6-Tribromophenol	0.000	330	0	0.000 ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#		
30) 4-Terphenyl-d14	5.560	244	390	1.433 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.07%#		
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d	
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.862	128	391M6	1.196 ng/ml	
10) Hexachlorobutadiene	2.935	225	63	1.082 ng/ml	87
11) 2-Methylnaphthalene	3.237	142	228	1.063 ng/ml	98
12) 1-Methylnaphthalene	3.292	142	208	1.042 ng/ml	100
14) 2-Chloronaphthalene	3.507	162	233	1.073 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.740	152	310	0.971 ng/ml	96
18) Acenaphthene	3.837	153	243M7	1.074 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D. d		
20) Fluorene	4.126	166	292	1.181	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.441	284	111M6	1.227	ng/ml	
25) Pentachlorophenol	4.554	266	105	12.186	ng/ml	89
26) Phenanthrene	4.666	178	506M6	1.284	ng/ml	
27) Anthracene	4.693	178	508	1.334	ng/ml	98
28) Fluoranthene	5.337	202	590	1.384	ng/ml	98
29) Pyrene	5.468	202	600	1.347	ng/ml	100
32) Benzo[a]anthracene	0.000		0	N.D. d		
33) 3,3'-Dichlorobenzene	0.000		0	N.D. d		
34) Chrysene	0.000		0	N.D. d		
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D. d		
37) Benzo[b]fluoranthene	6.962	252	364	1.008	ng/ml	97
38) Benzo[k]fluoranthene	6.982	252	348	1.023	ng/ml	100
39) Benzo[a]pyrene	7.253	252	262	0.889	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.465	276	247	0.901	ng/ml	99
41) Dibenzo[a,h]anthracene	8.502	278	226M6	0.872	ng/ml	
42) Benzo[g,h,i]perylene	8.786	276	255	0.912	ng/ml	96

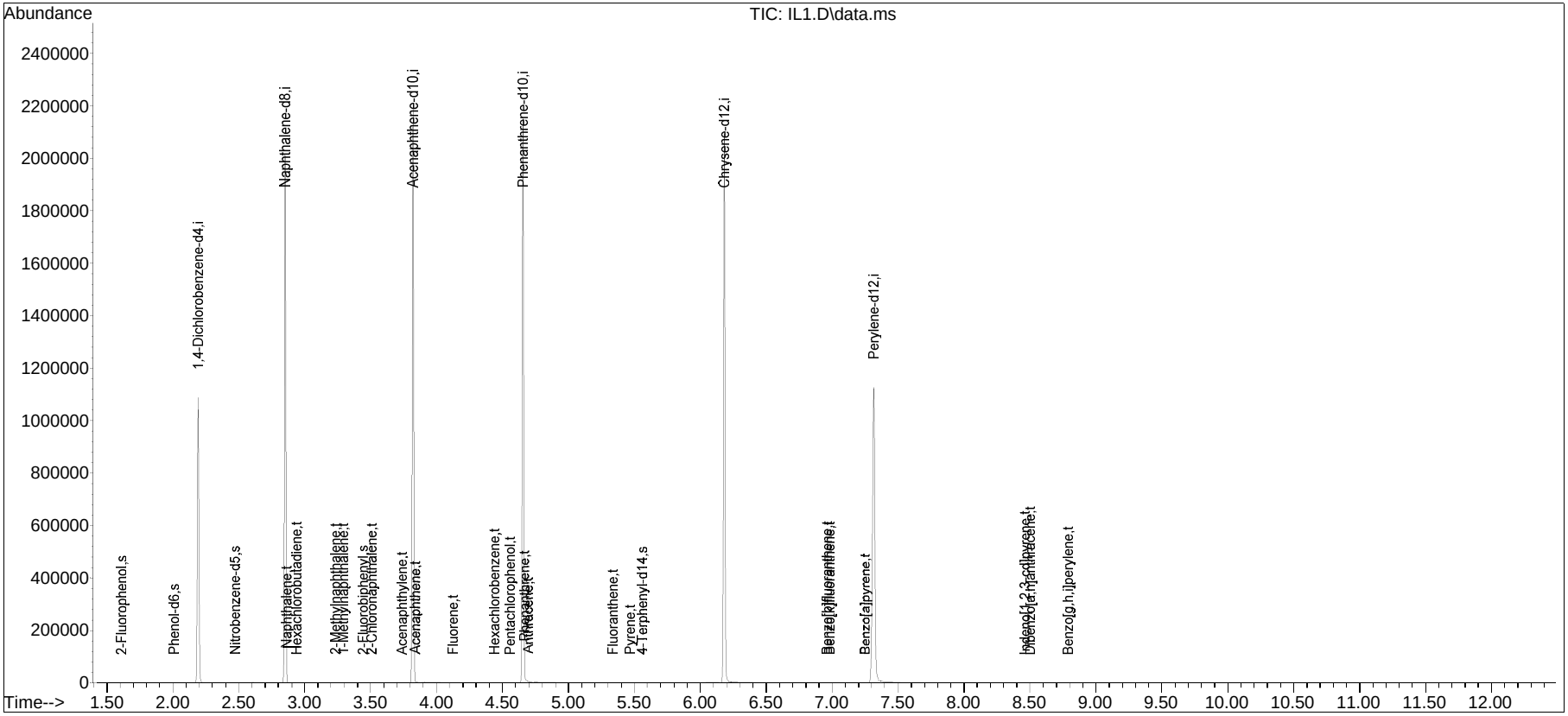
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

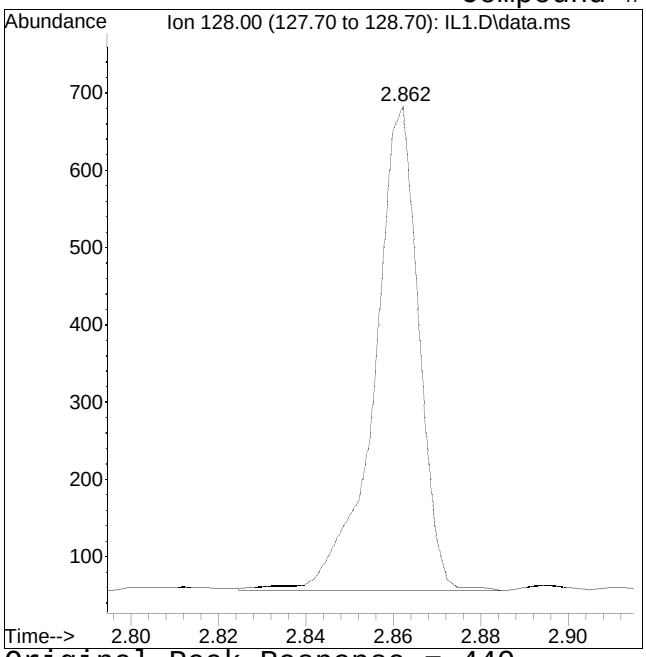
Sub List : Default - All compounds listedical\IL8.D•



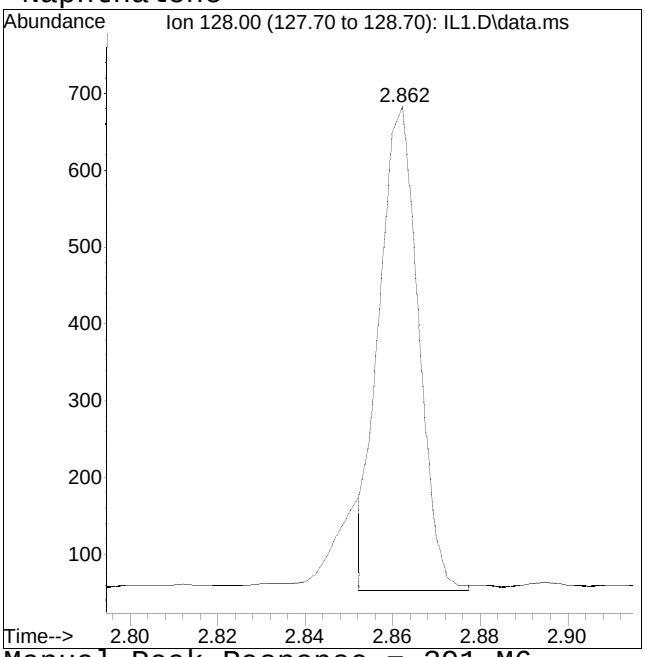
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL1.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 7:15 pm Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 7/29/2024 11:36 am

Compound #9: Naphthalene



Original Peak Response = 440



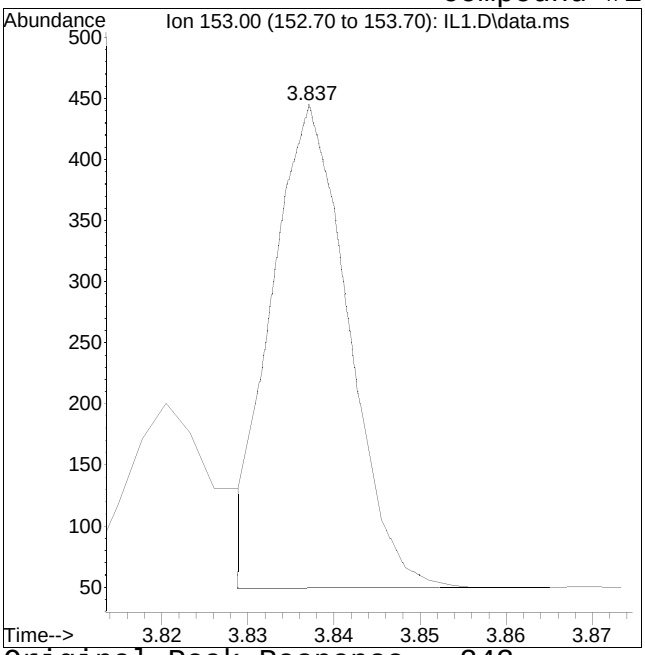
Manual Peak Response = 391 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

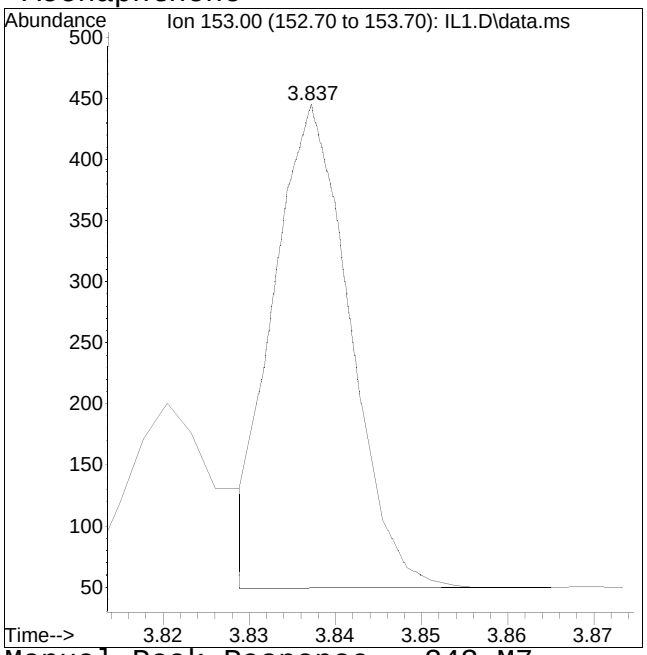
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 243



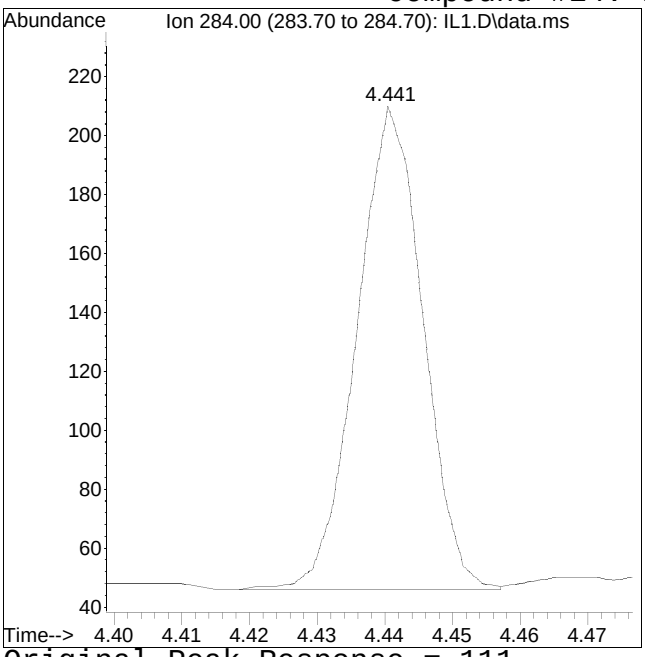
Manual Peak Response = 243 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

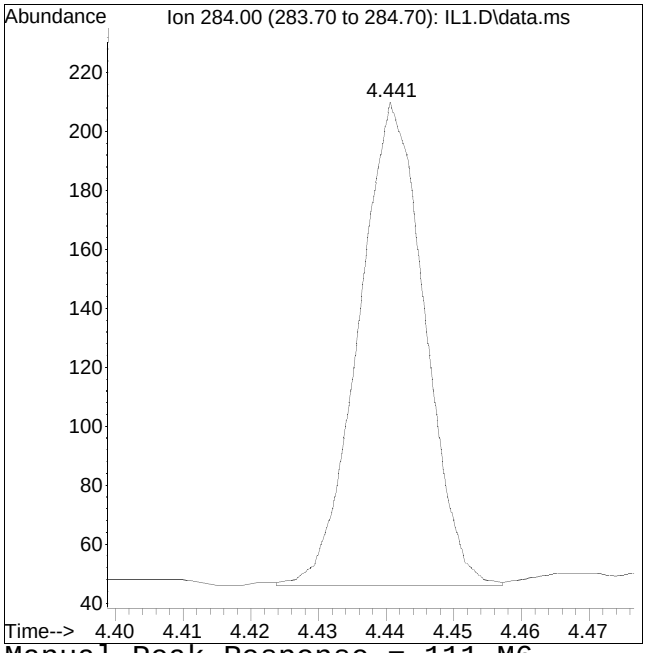
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #24: Hexachlorobenzene



Original Peak Response = 111



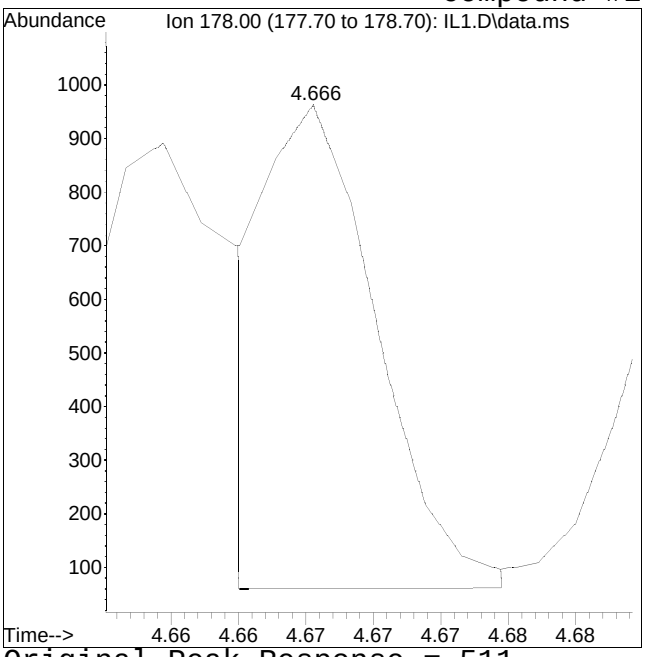
Manual Peak Response = 111 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

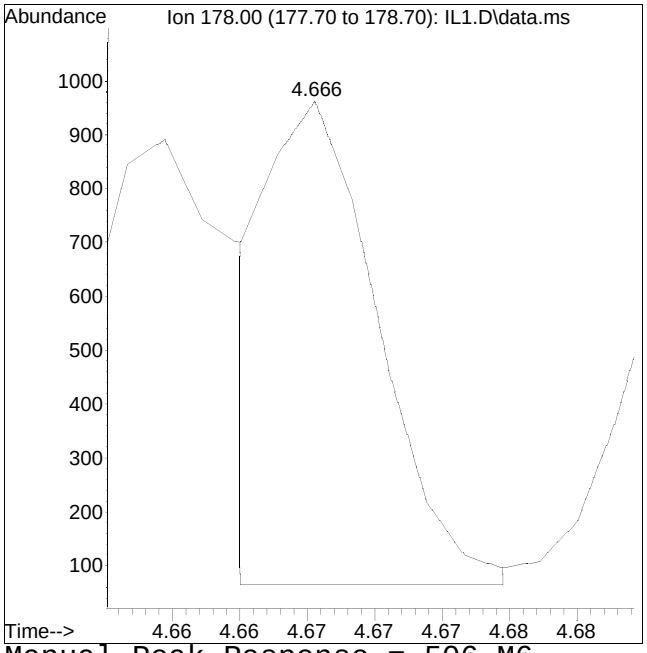
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 511

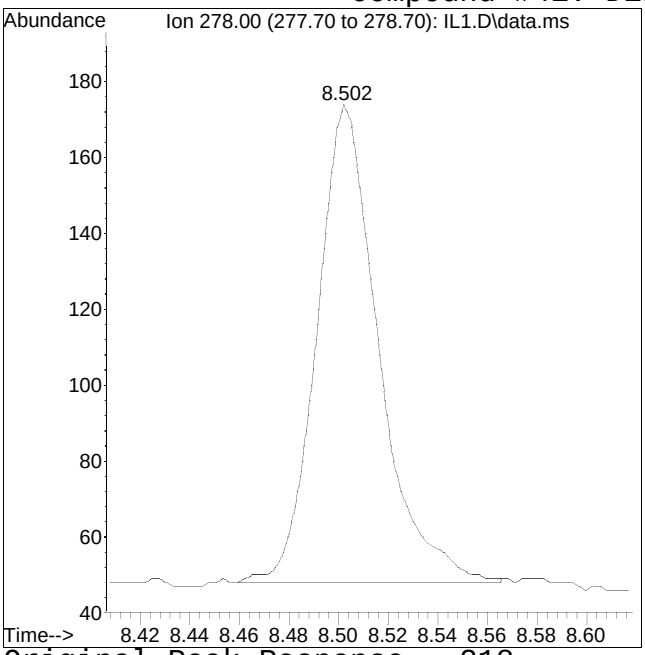


Manual Peak Response = 506 M6

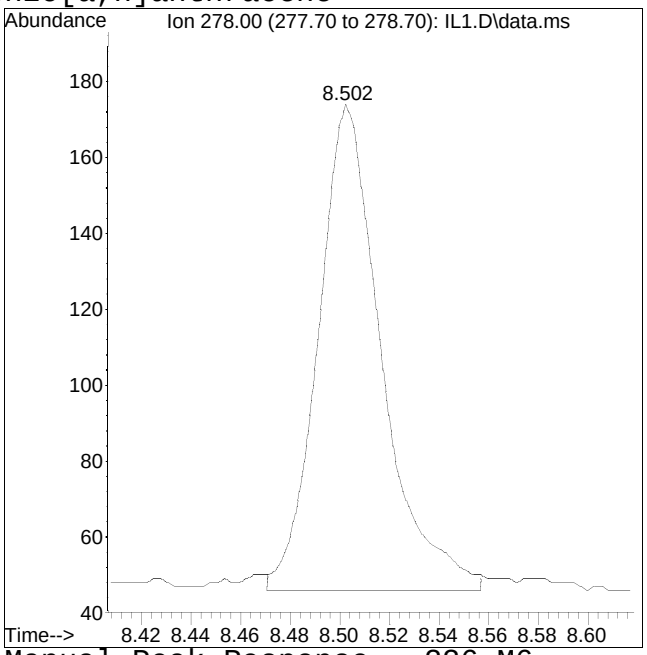
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 218



Manual Peak Response = 226 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 16:14:17 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	s	2-Fluorophenol	1.188	1.152	3.0	90	0.00
3	s	Phenol-d6	1.445	1.401	3.0	90	0.00
4	T	Bis(2-chloroethyl)ether	1.315	1.179	10.3	87	0.00
5	T	n-nitrosodi-n-propylamine	0.870	0.823	5.4	87	0.00
6	t	Hexachloroethane	0.561	0.534	4.8	89	0.00
7	s	Nitrobenzene-d5	1.176	1.125	4.3	86	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	92	0.00
9	t	Naphthalene	1.149	1.047	8.9	90	0.00
10	t	Hexachlorobutadiene	0.197	0.188	4.6	91	0.00
11	t	2-Methylnaphthalene	0.729	0.709	2.7	91	0.00
12	t	1-Methylnaphthalene	0.680	0.652	4.1	90	0.00
13	s	2-Fluorobiphenyl	0.862	0.820	4.9	91	0.00
14	t	2-Chloronaphthalene	0.741	0.702	5.3	89	0.00
15	t	2,6-Dinitrotoluene	*1000.000	843.309	15.7	82	0.00
16	t	Acenaphthylene	1.063	1.083	-1.9	89	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
18	t	Acenaphthene	1.442	1.332	7.6	90	0.00
19	t	2,4-Dinitrotoluene	*1000.000	854.009	14.6	83	0.00
20	t	Fluorene	1.598	1.497	6.3	90	0.00
21	s	2,4,6-Tribromophenol	0.220	0.239	-8.6	91	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	840.755	15.9	80	0.00
24	t	Hexachlorobenzene	0.280	0.256	8.6	90	0.00
25	t	Pentachlorophenol	*1000.000	854.813	14.5	82	0.00
26	t	Phenanthrene	1.188	1.101	7.3	91	0.00
27	t	Anthracene	1.146	1.103	3.8	90	0.00
28	t	Fluoranthene	1.283	1.227	4.4	90	0.00
29	t	Pyrene	1.337	1.312	1.9	91	0.00
30	s	4-Terphenyl-d14	0.838	0.791	5.6	91	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	91	0.00
32	t	Benzo[a]anthracene	*1000.000	928.249	7.2	85	0.00
33	t	3,3'-Dichlorobenzene	*1000.000	900.162	10.0	88	0.00
34	t	Chrysene	1.455	1.399	3.8	89	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	881.234	11.9	82	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 16:14:17 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	88	0.00
37	t	Benzo[b]fluoranthene	1.350	1.260	6.7	83	0.00
38	t	Benzo[k]fluoranthene	1.272	1.361	-7.0	85	0.00
39	t	Benzo[a]pyrene	1.080	1.132	-4.8	84	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.012	1.028	-1.6	85	0.00
41	t	Dibenzo[a,h]anthracene	0.950	0.977	-2.8	82	0.00
42	t	Benzo[g,h,i]perylene	1.034	1.042	-0.8	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	307722	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 92.37%			
8) Naphthalene-d8	2.850	136	1184490	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 92.08%			
17) Acenaphthene-d10	3.820	164	669474	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 92.20%			
22) Phenanthrene-d10	4.655	188	1412445	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 94.01%			
31) Chrysene-d12	6.182	240	1171068	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 90.75%			
36) Perylene-d12	7.317	264	1116379	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 87.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	88588	969.202	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.46%			
3) Phenol-d6	2.010	99	107811	969.649	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.48%			
7) Nitrobenzene-d5	2.472	82	86519	956.101	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.61%			
13) 2-Fluorobiphenyl	3.447	172	242887	951.556	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.16%			
21) 2,4,6-Tribromophenol	4.262	330	40082	1087.483	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.37%			
30) 4-Terphenyl-d14	5.561	244	279263	944.086	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.20%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	90674	896.276	ng/ml	97
5) n-nitrosodi-n-propylamine	2.391	70	63313	945.830	ng/ml	99
6) Hexachloroethane	2.449	117	41073	951.468	ng/ml	100
9) Naphthalene	2.862	128	309894	911.095	ng/ml#	100
10) Hexachlorobutadiene	2.935	225	55759	954.356	ng/ml	99
11) 2-Methylnaphthalene	3.240	142	209998	972.681	ng/ml	99
12) 1-Methylnaphthalene	3.295	142	193160	958.727	ng/ml	99
14) 2-Chloronaphthalene	3.506	162	207824	947.408	ng/ml	100
15) 2,6-Dinitrotoluene	3.704	165	40624	843.309	ng/ml	98
16) Acenaphthylene	3.740	152	320693	1018.354	ng/ml	100
18) Acenaphthene	3.837	153	223008	923.711	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.929	165	55850	854.009	ng/ml	97
20) Fluorene	4.126	166	250469	936.229	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.156	198	27377	840.755	ng/ml	99
24) Hexachlorobenzene	4.441	284	90272	911.504	ng/ml	100
25) Pentachlorophenol	4.552	266	38488	854.813	ng/ml	100
26) Phenanthrene	4.666	178	388665	926.684	ng/ml	100
27) Anthracene	4.694	178	389545	962.681	ng/ml	100
28) Fluoranthene	5.338	202	433244	956.013	ng/ml	100
29) Pyrene	5.466	202	463317	981.307	ng/ml	100
32) Benzo[a]anthracene	6.172	228	411974	928.254	ng/ml	100
33) 3,3'-Dichlorobenzene	6.162	252	147041	900.162	ng/ml	99
34) Chrysene	6.197	228	409505	961.428	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.204	149	232887	881.234	ng/ml	99
37) Benzo[b]fluoranthene	6.965	252	351549	932.908	ng/ml	96
38) Benzo[k]fluoranthene	6.987	252	379963	1070.217	ng/ml	96
39) Benzo[a]pyrene	7.255	252	315948	1048.378	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.470	276	286922	1016.028	ng/ml	99
41) Dibenzo[a,h]anthracene	8.505	278	272700M6	1028.967	ng/ml	
42) Benzo[g,h,i]perylene	8.794	276	290717	1007.132	ng/ml	100

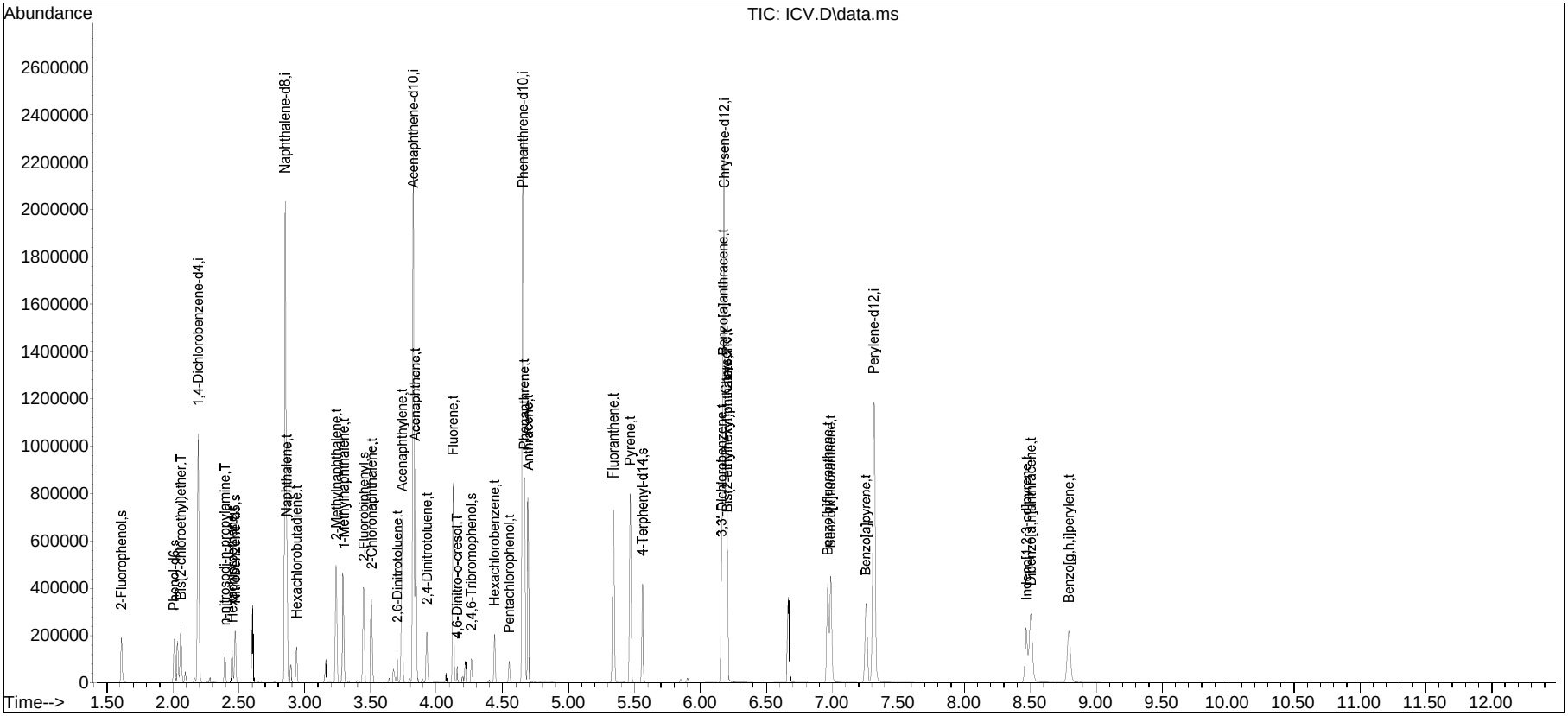
(#) = qualifier out of range (m) = manual integration (+) = signals summed

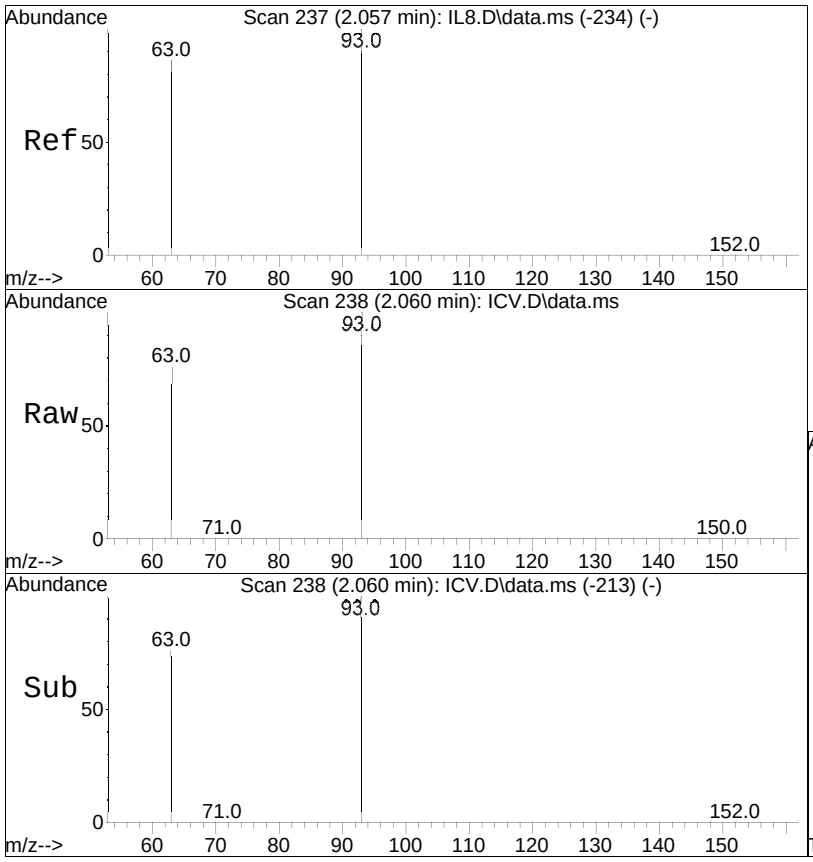
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

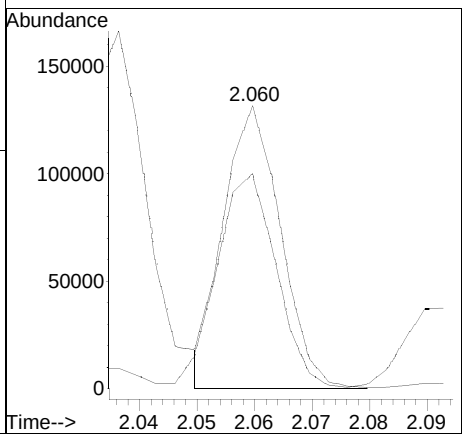


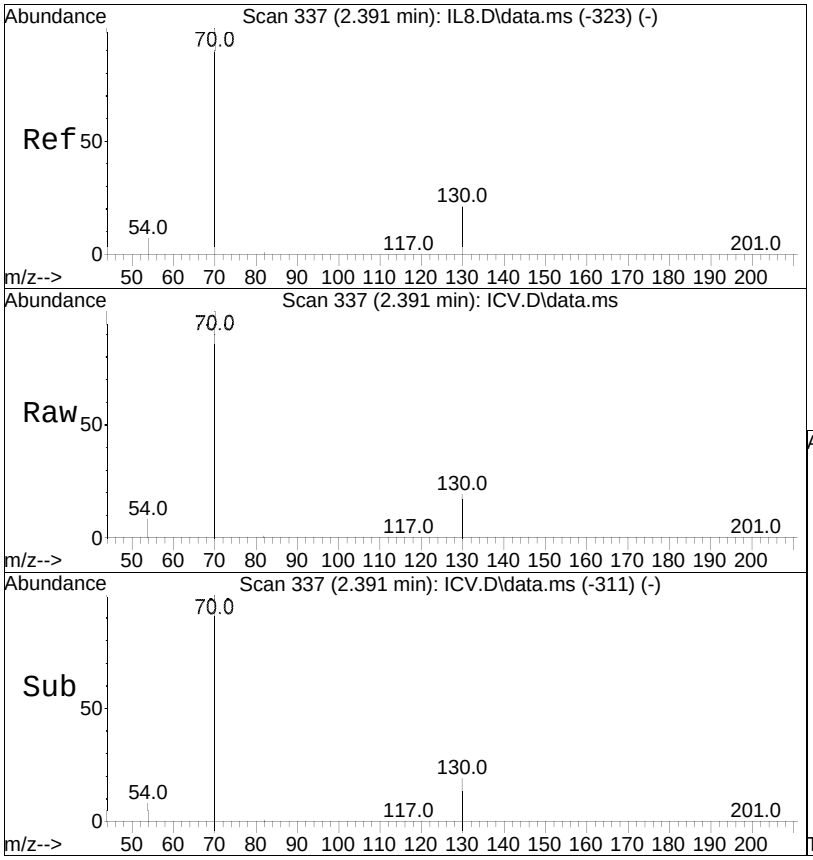


#4
Bis(2-chloroethyl)ether
Concen: 896.28 ng/ml
RT: 2.060 min Scan# 238
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion: 93 Resp: 90674

Ion	Ratio	Lower	Upper
93	100		
63	79.6	61.8	92.6

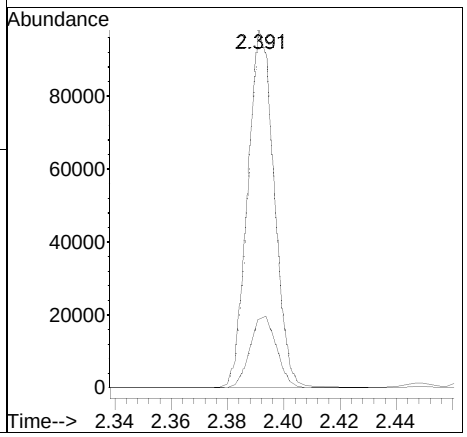


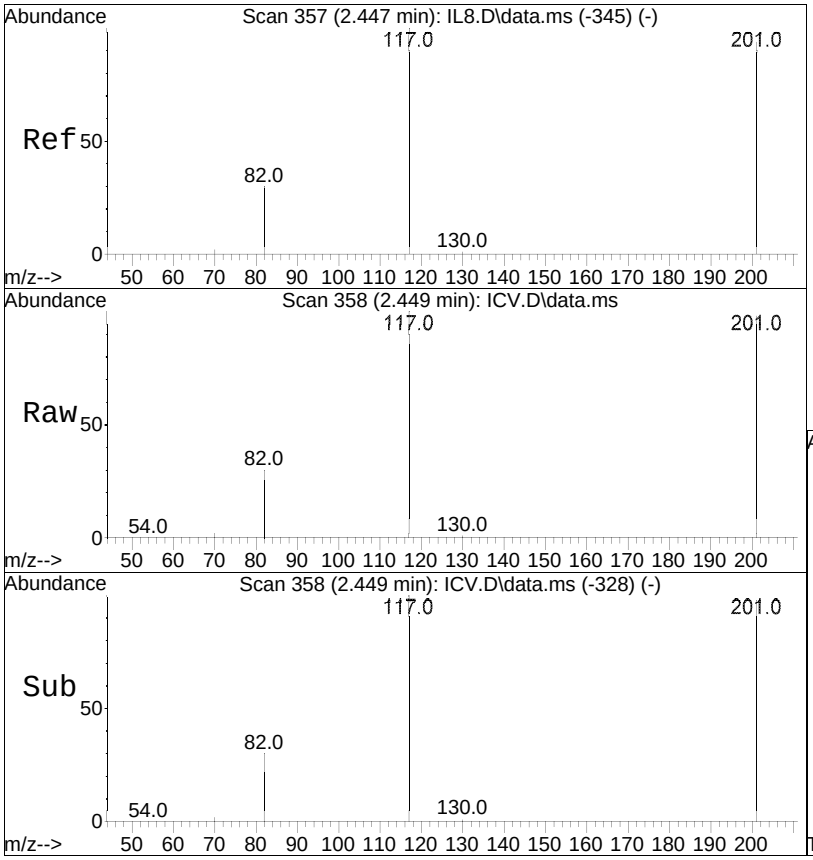


#5
n-nitrosodi-n-propylamine
Concen: 945.83 ng/ml
RT: 2.391 min Scan# 337
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion: 70 Resp: 63313

Ion	Ratio	Lower	Upper
70	100		
130	20.1	16.4	24.6

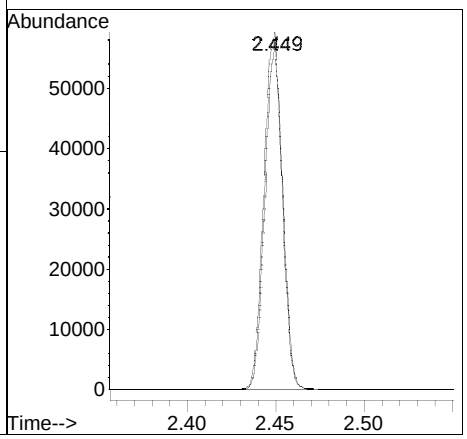


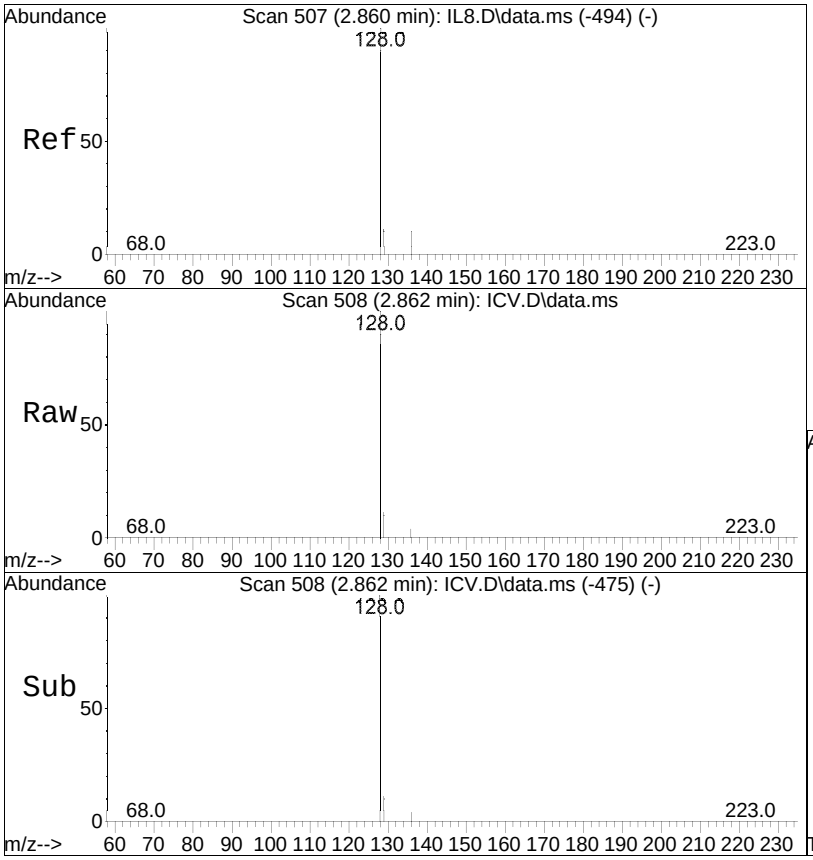


#6
Hexachloroethane
Concen: 951.47 ng/ml
RT: 2.449 min Scan# 358
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:117 Resp: 41073

Ion	Ratio	Lower	Upper
117	100		
201	95.6	76.6	115.0

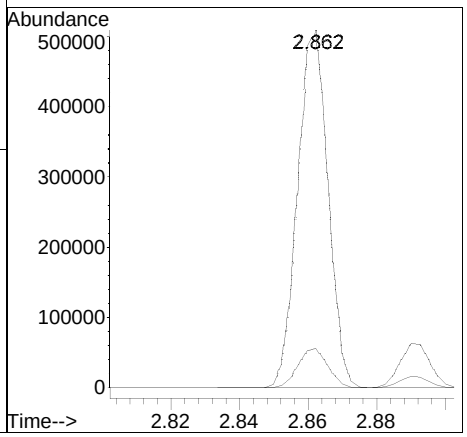


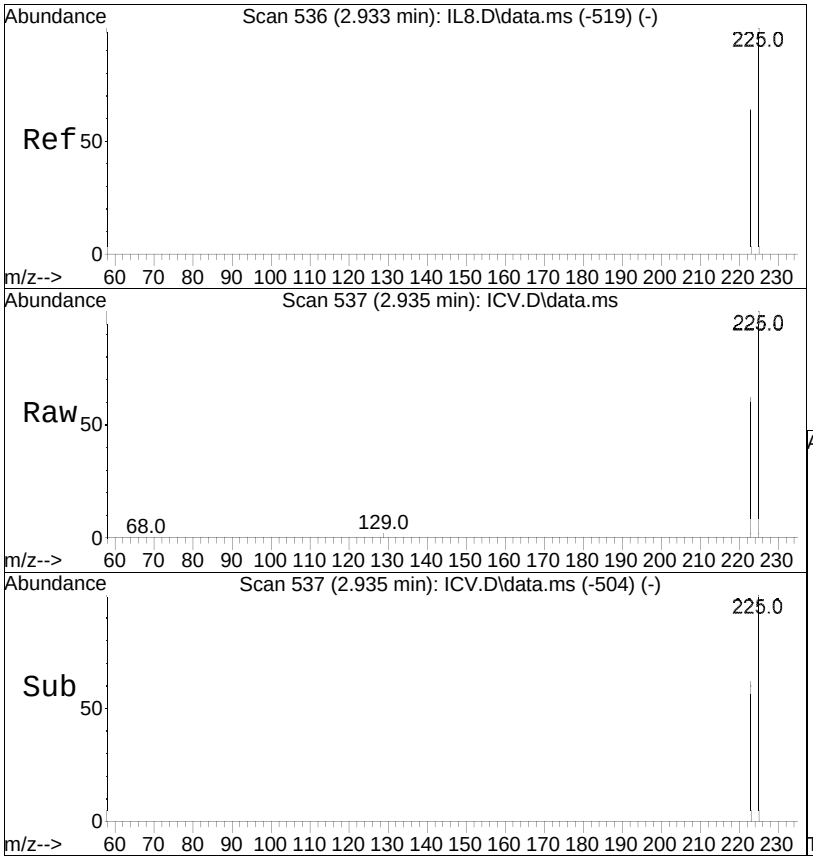


#9
Naphthalene
Concen: 911.10 ng/ml
RT: 2.862 min Scan# 508
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:128 Resp: 309894

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	0.0	0.0	0.0

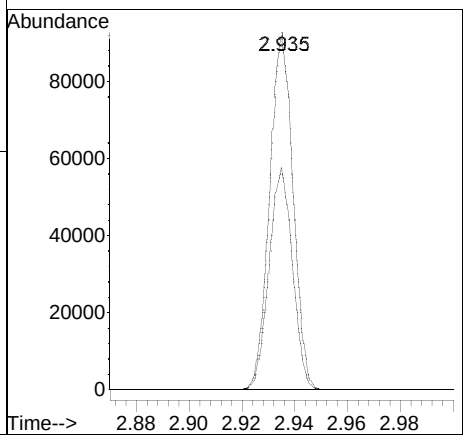


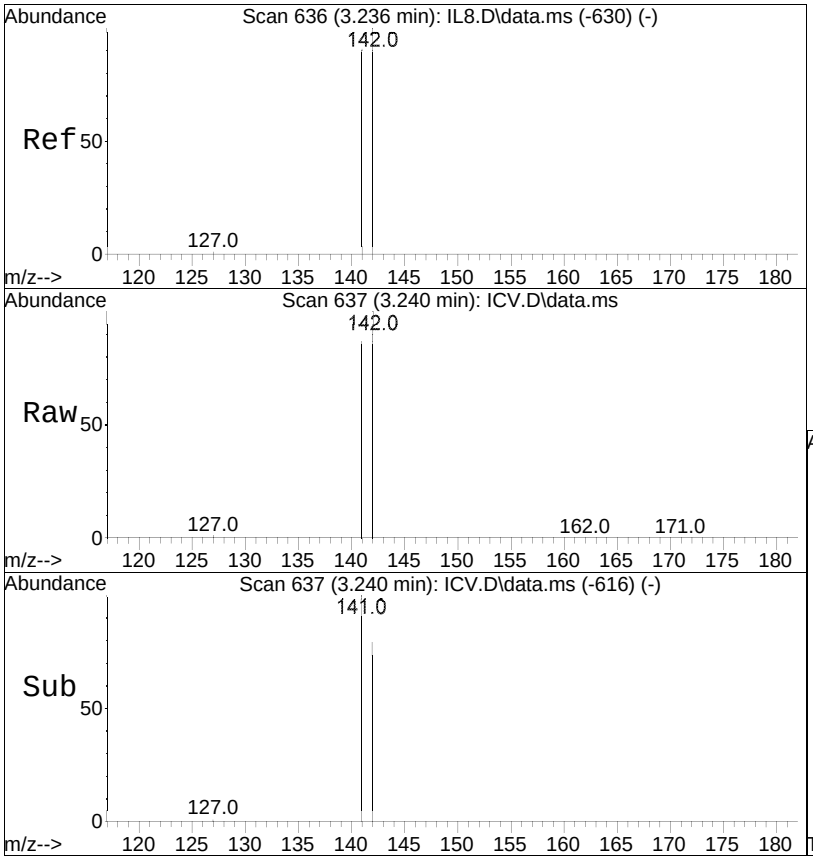


#10
Hexachlorobutadiene
Concen: 954.36 ng/ml
RT: 2.935 min Scan# 537
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:225 Resp: 55759

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6

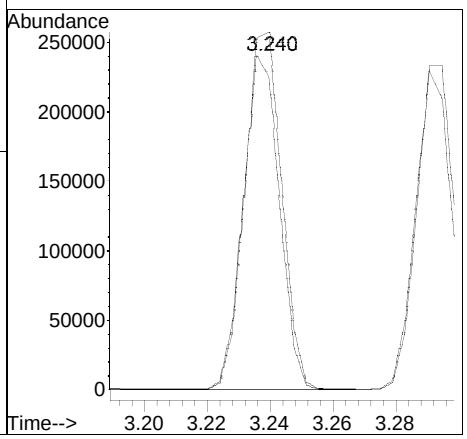


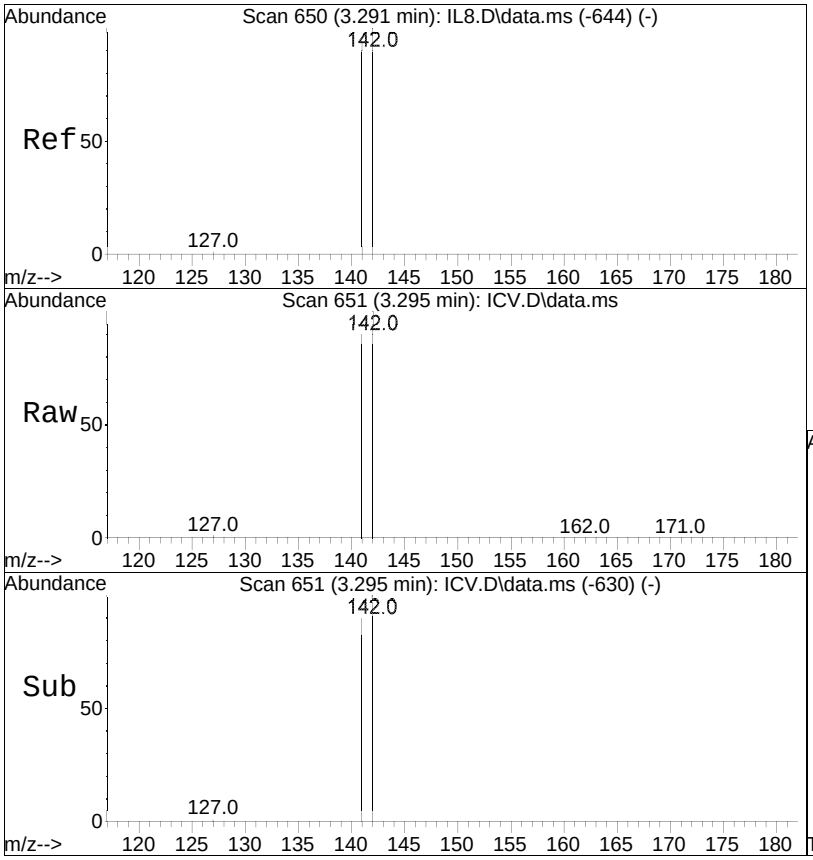


#11
2-Methylnaphthalene
Concen: 972.68 ng/ml
RT: 3.240 min Scan# 637
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:142 Resp: 209998

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4

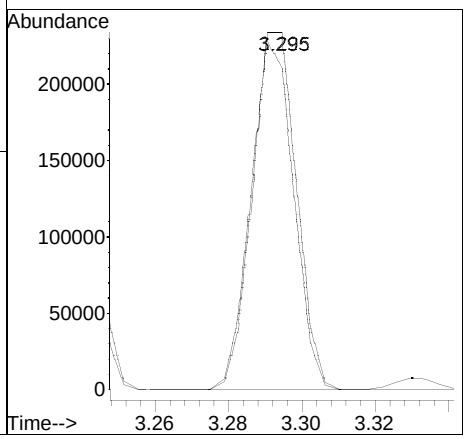


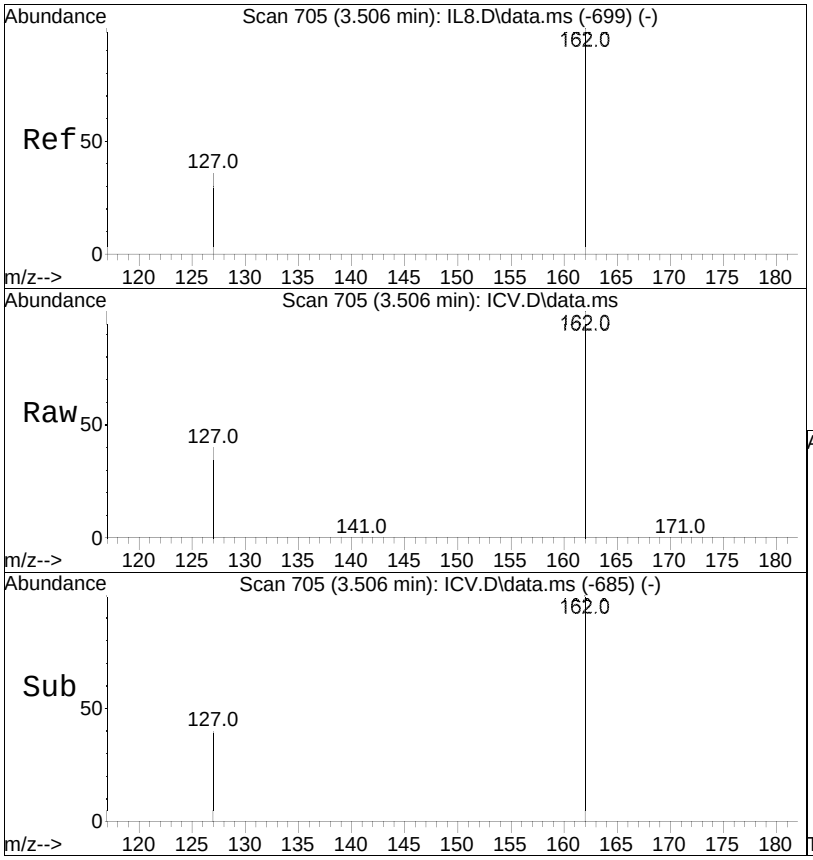


#12
1-Methylnaphthalene
Concen: 958.73 ng/ml
RT: 3.295 min Scan# 651
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:142 Resp: 193160

Ion	Ratio	Lower	Upper
142	100		
141	94.7	75.0	112.6

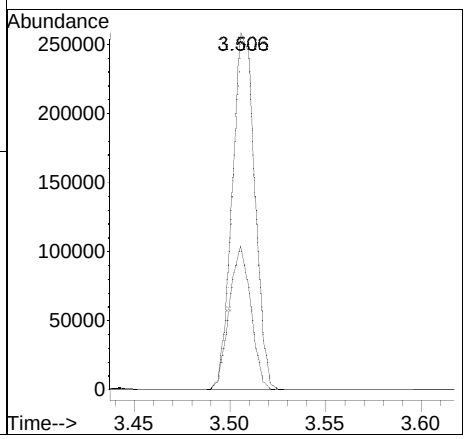


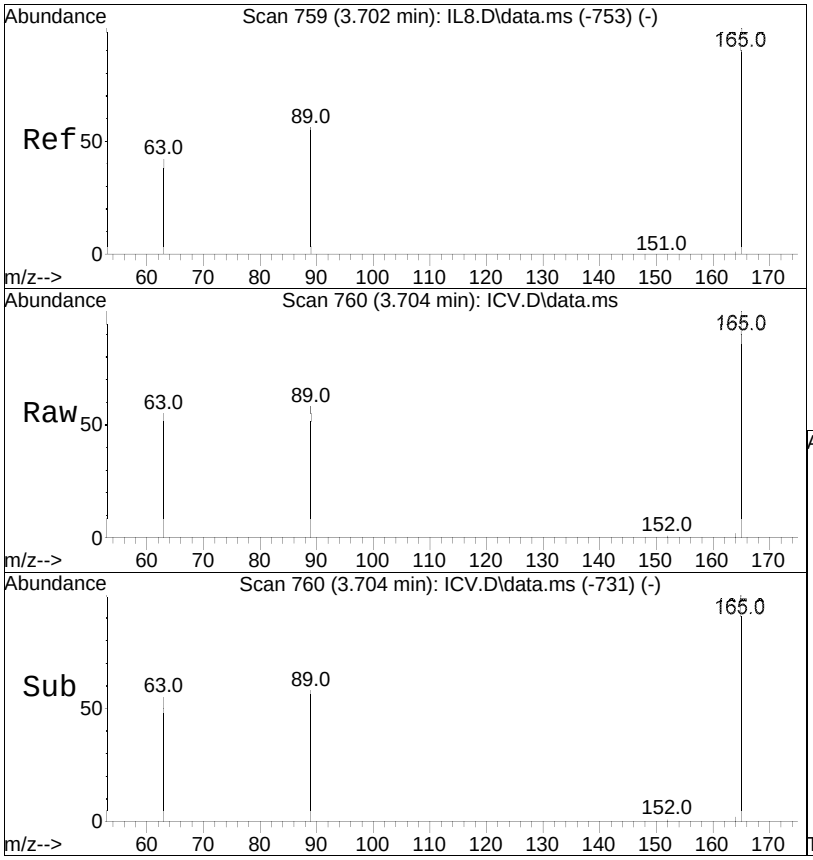


#14
2-Chloronaphthalene
Concen: 947.41 ng/ml
RT: 3.506 min Scan# 705
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:162 Resp: 207824

Ion	Ratio	Lower	Upper
162	100		
127	38.6	30.9	46.3

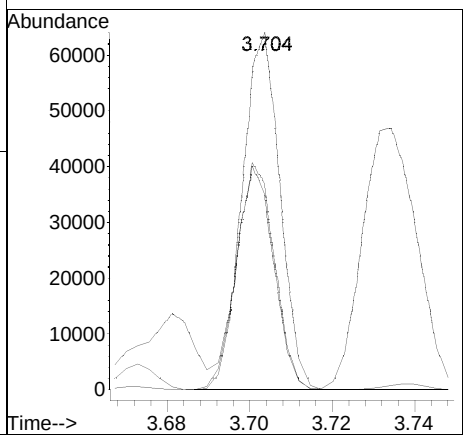


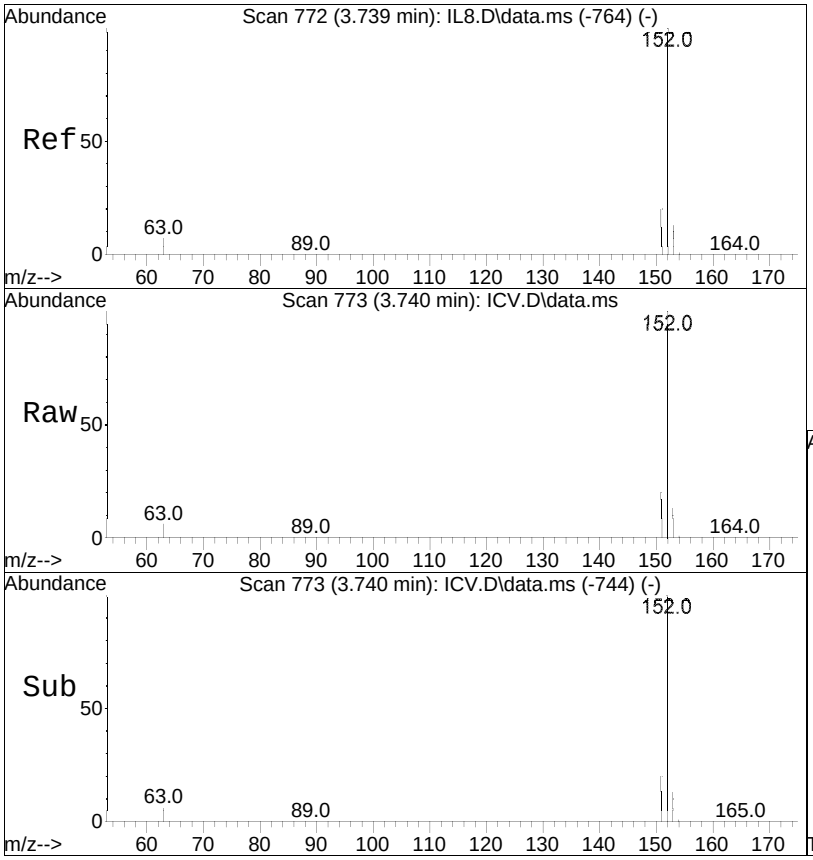


#15
2,6-Dinitrotoluene
Concen: 843.31 ng/ml
RT: 3.704 min Scan# 760
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:165 Resp: 40624

Ion	Ratio	Lower	Upper
165	100		
89	63.8	49.9	74.9
63	61.9	48.5	72.7

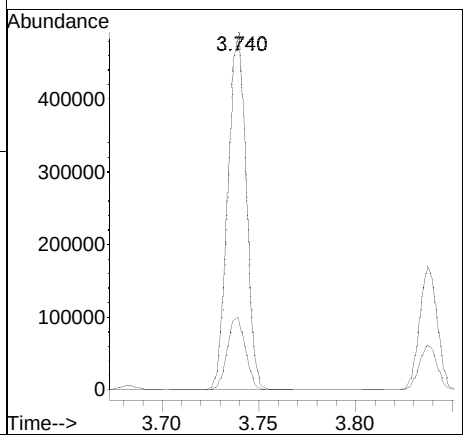


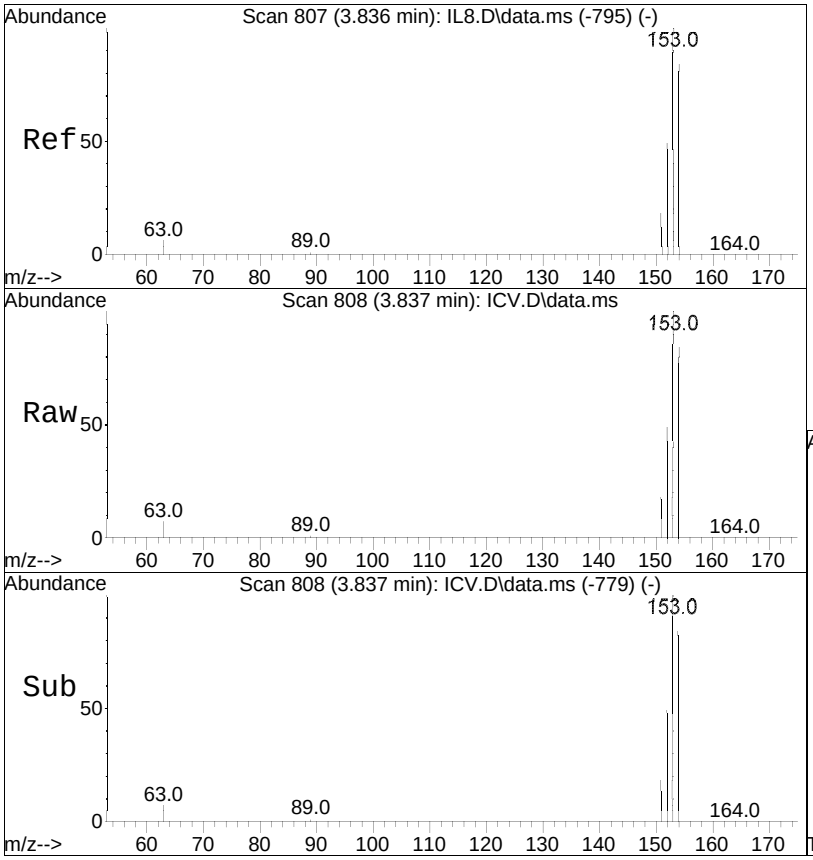


#16
Acenaphthylene
Concen: 1018.35 ng/ml
RT: 3.740 min Scan# 773
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:152 Resp: 320693

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

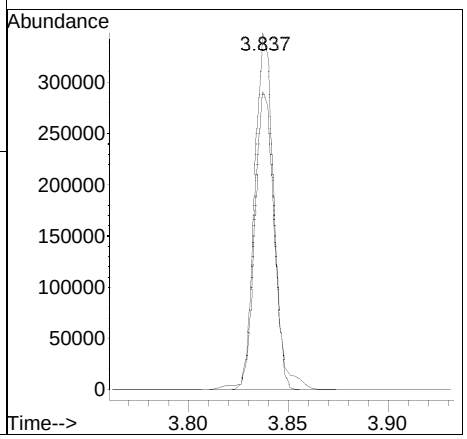


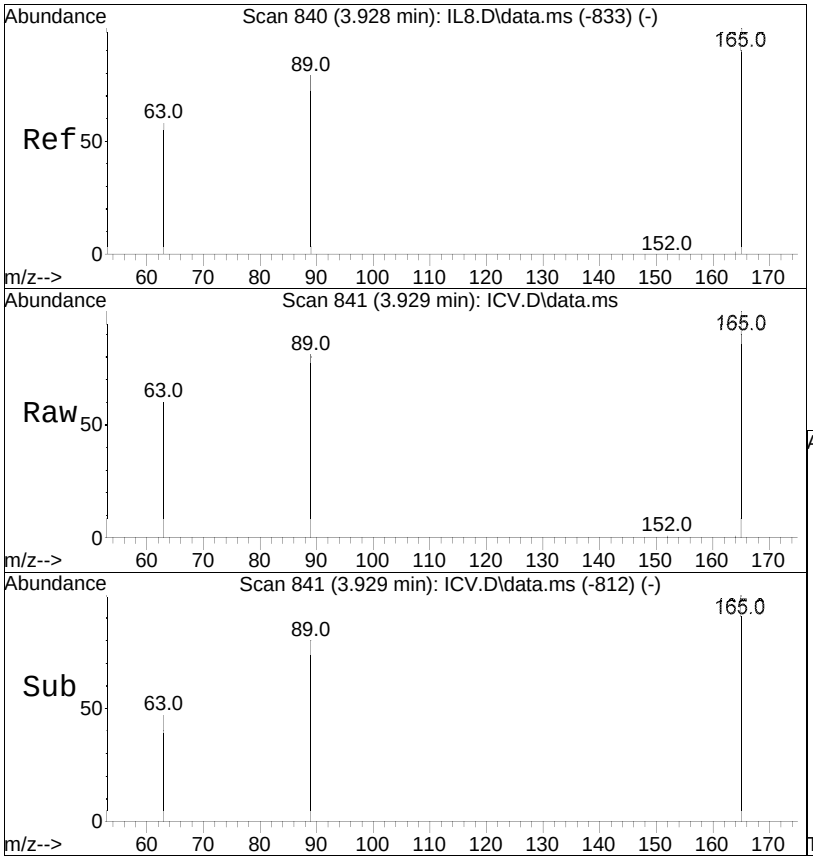


#18
Acenaphthene
Concen: 923.71 ng/ml
RT: 3.837 min Scan# 808
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:153 Resp: 223008

Ion	Ratio	Lower	Upper
153	100		
154	89.7	72.3	108.5

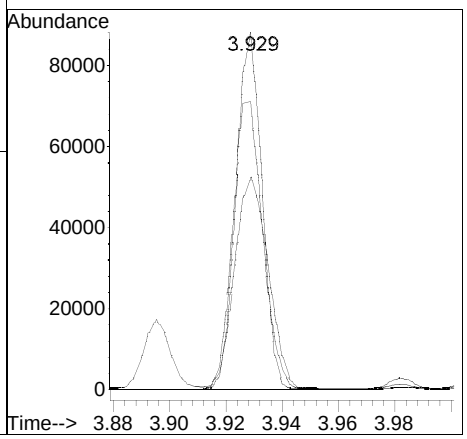


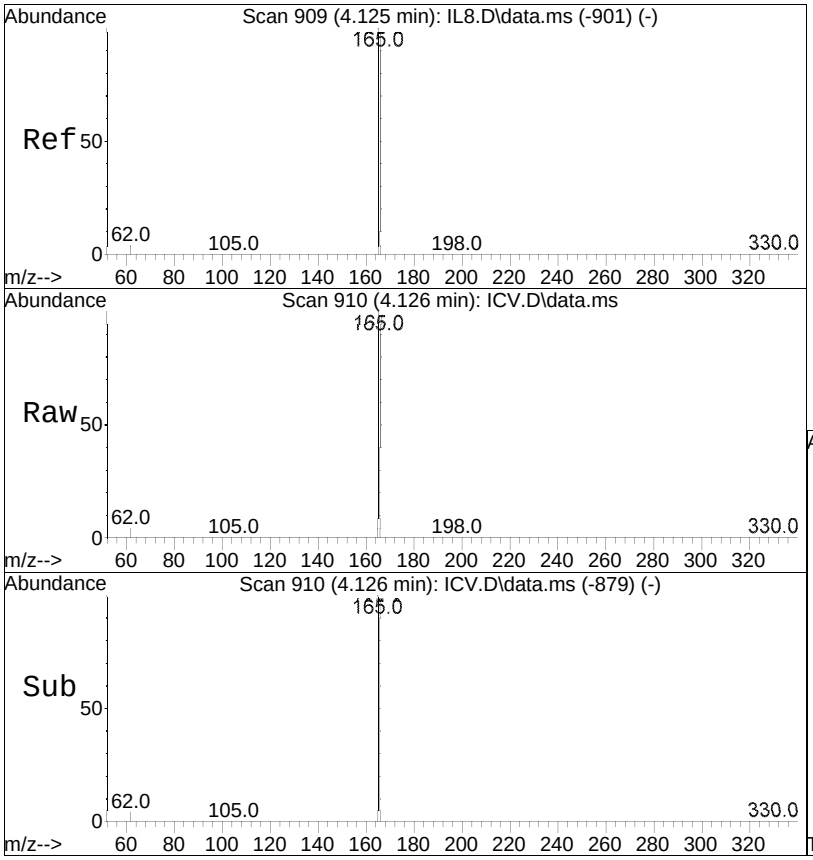


#19
2,4-Dinitrotoluene
Concen: 854.01 ng/ml
RT: 3.929 min Scan# 841
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:165 Resp: 55850

Ion	Ratio	Lower	Upper
165	100		
89	93.7	72.9	109.3
63	77.0	59.0	88.4

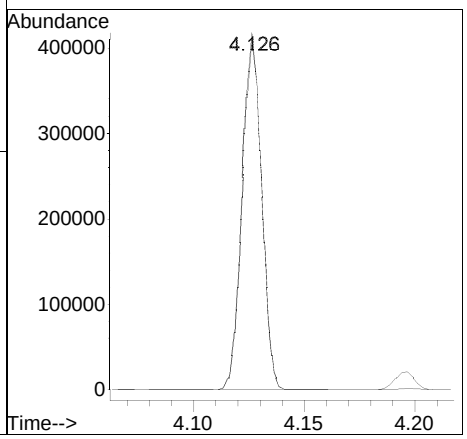


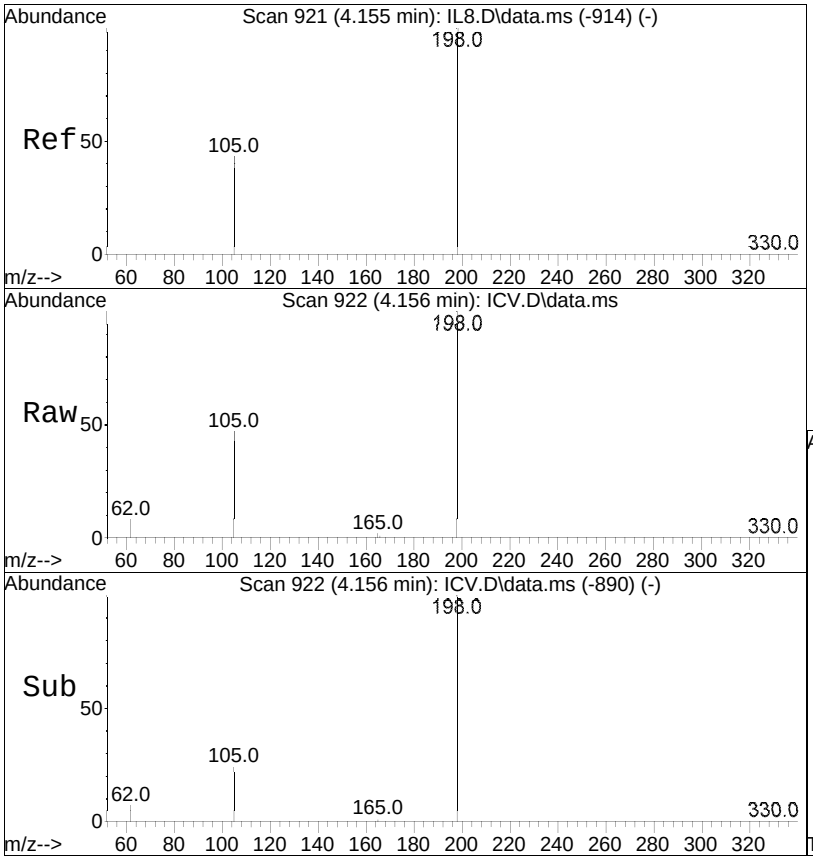


#20
Fluorene
Concen: 936.23 ng/ml
RT: 4.126 min Scan# 910
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:166 Resp: 250469

Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.5	122.3

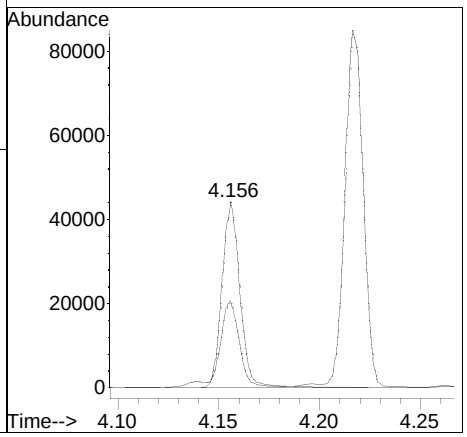


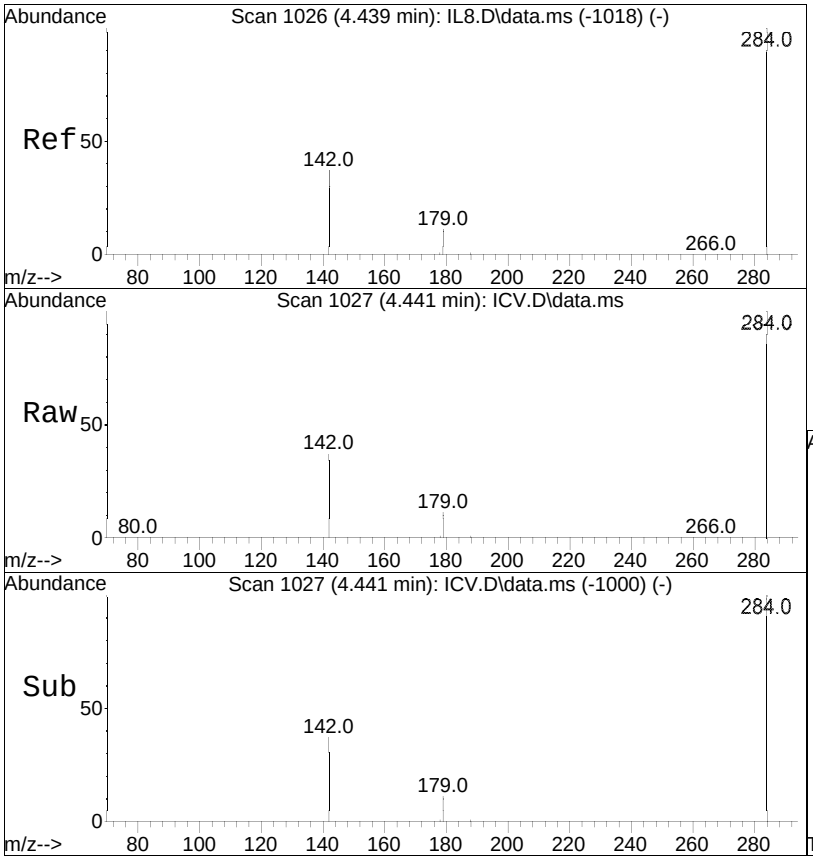


#23
4,6-Dinitro-o-cresol
Concen: 840.76 ng/ml
RT: 4.156 min Scan# 922
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:198 Resp: 27377

Ion	Ratio	Lower	Upper
198	100		
105	45.9	36.2	54.2

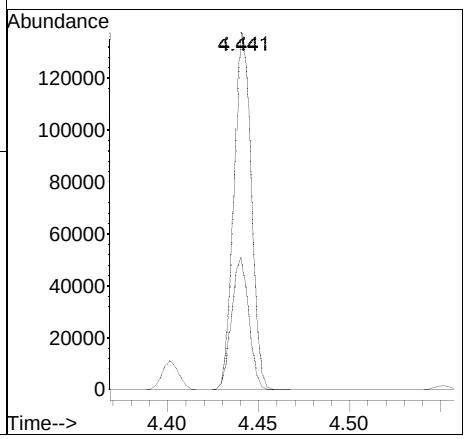


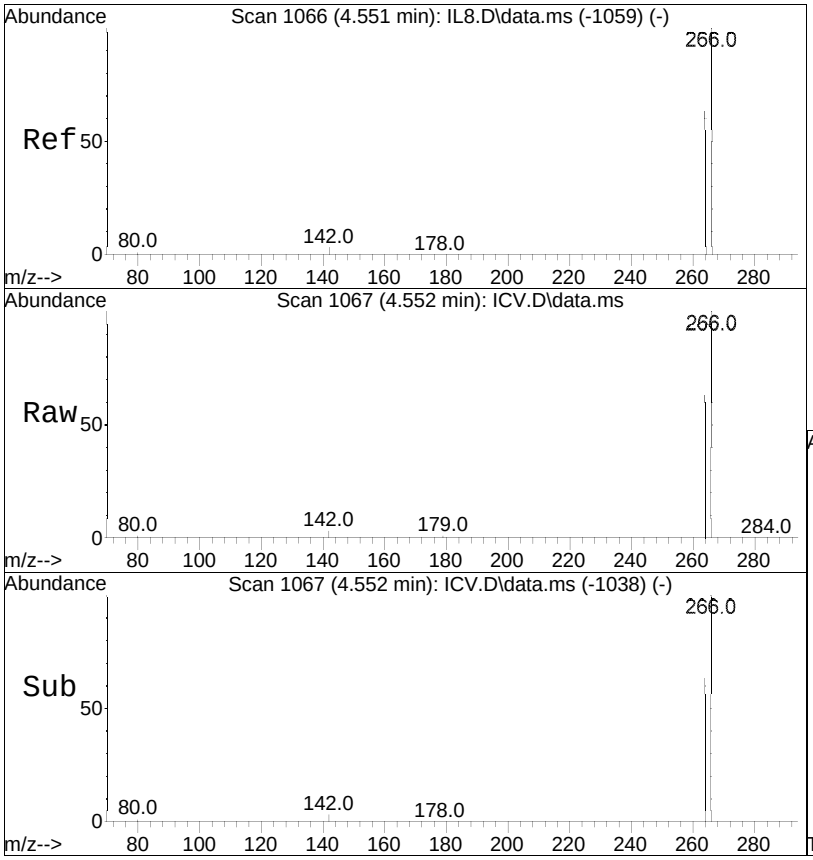


#24
Hexachlorobenzene
Concen: 911.50 ng/ml
RT: 4.441 min Scan# 1027
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:284 Resp: 90272

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.4	44.2

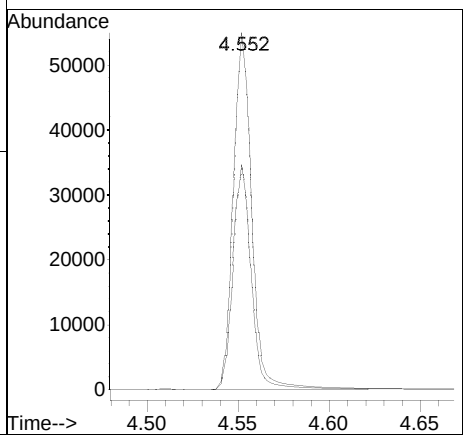


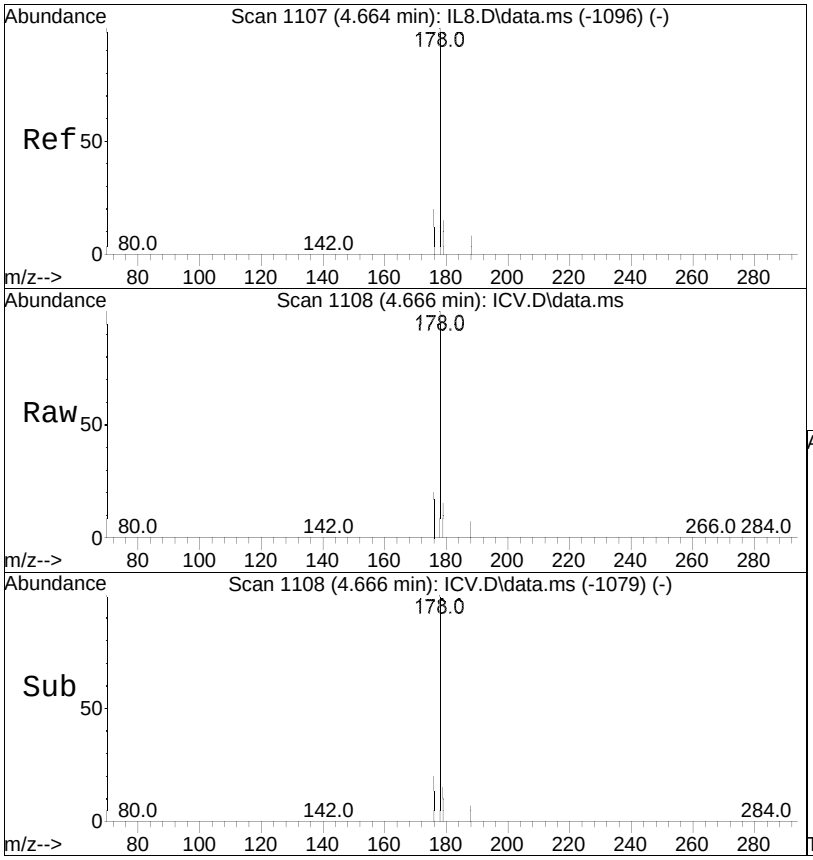


#25
Pentachlorophenol
Concen: 854.81 ng/ml
RT: 4.552 min Scan# 1067
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:266 Resp: 38488

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.2	75.4

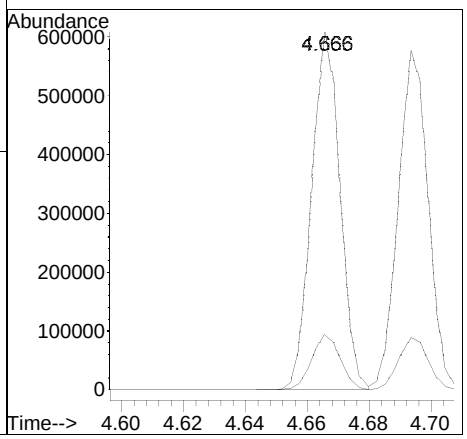


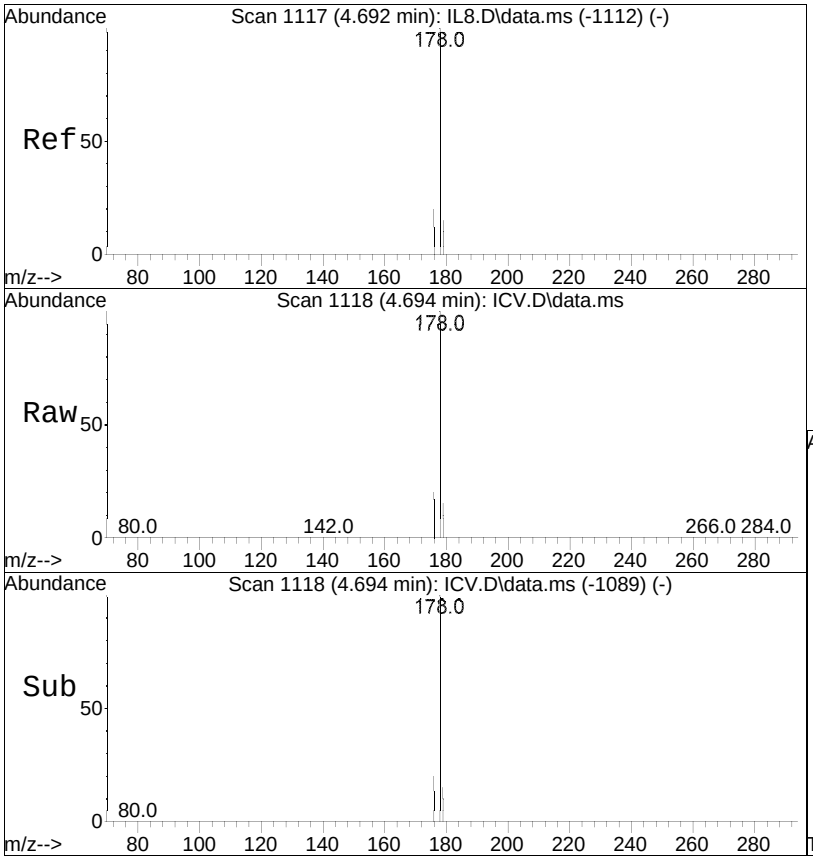


#26
Phenanthrene
Concen: 926.68 ng/ml
RT: 4.666 min Scan# 1108
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:178 Resp: 388665

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

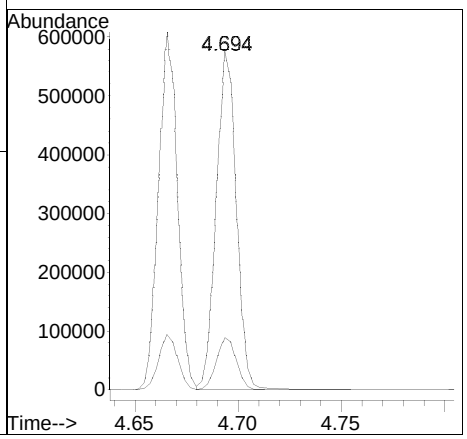


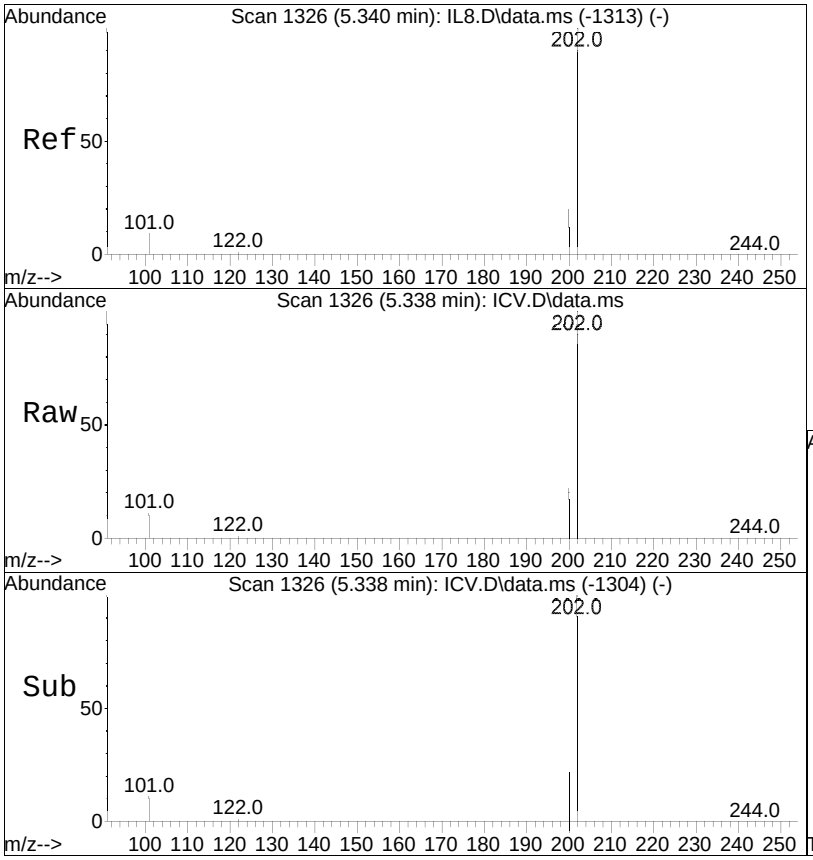


#27
Anthracene
Concen: 962.68 ng/ml
RT: 4.694 min Scan# 1118
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:178 Resp: 389545

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

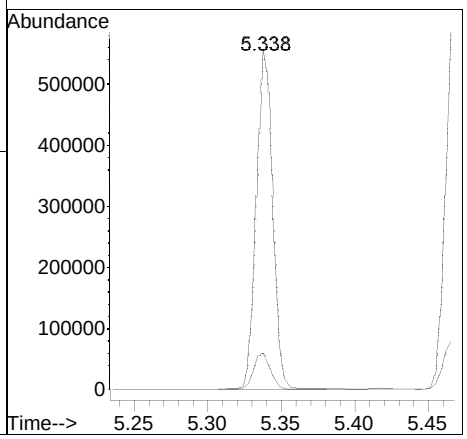


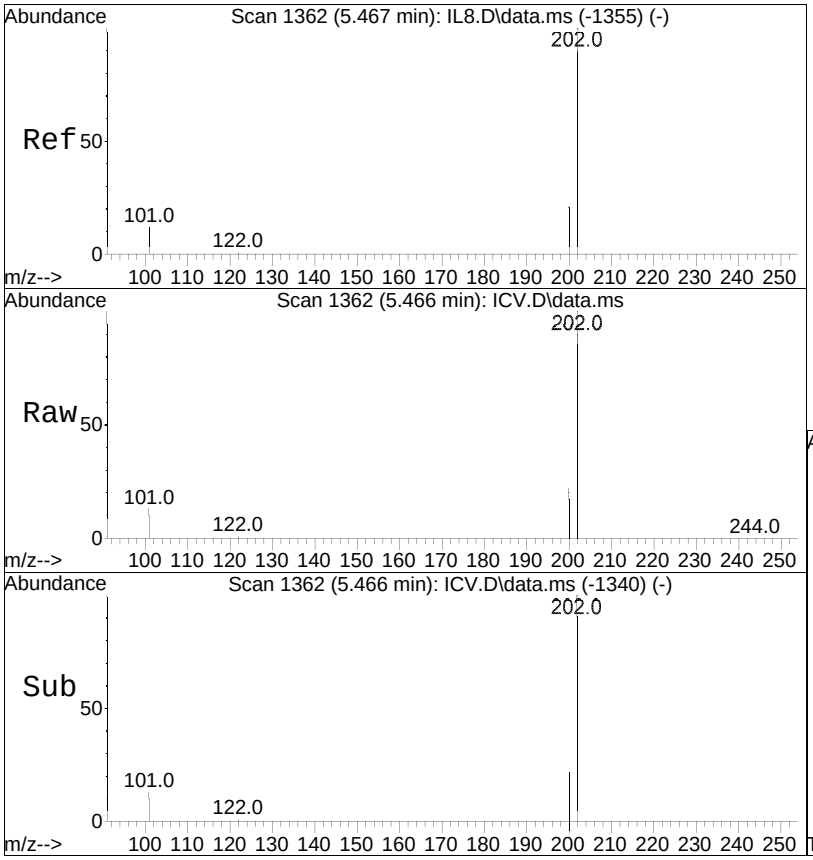


#28
Fluoranthene
Concen: 956.01 ng/ml
RT: 5.338 min Scan# 1326
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:202 Resp: 433244

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.7	13.1

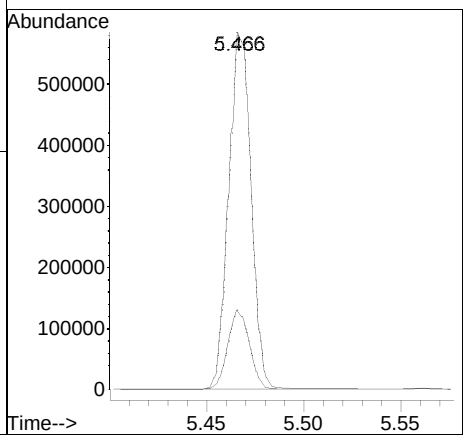


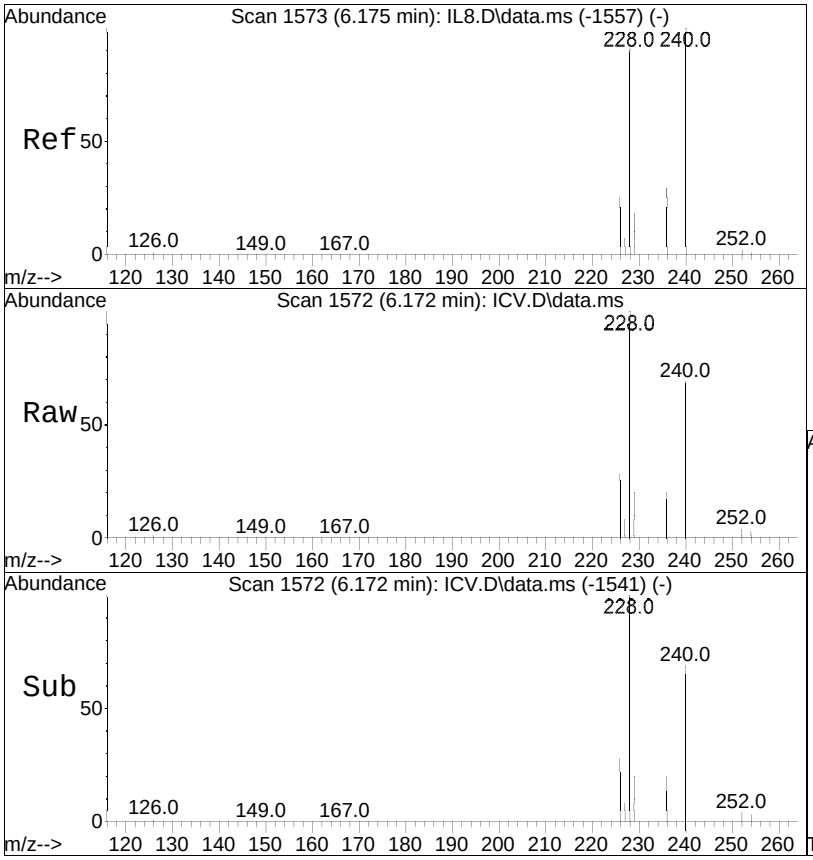


#29
Pyrene
Concen: 981.31 ng/ml
RT: 5.466 min Scan# 1362
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:202 Resp: 463317

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2

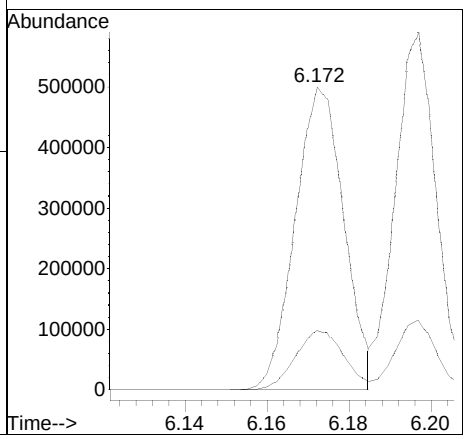


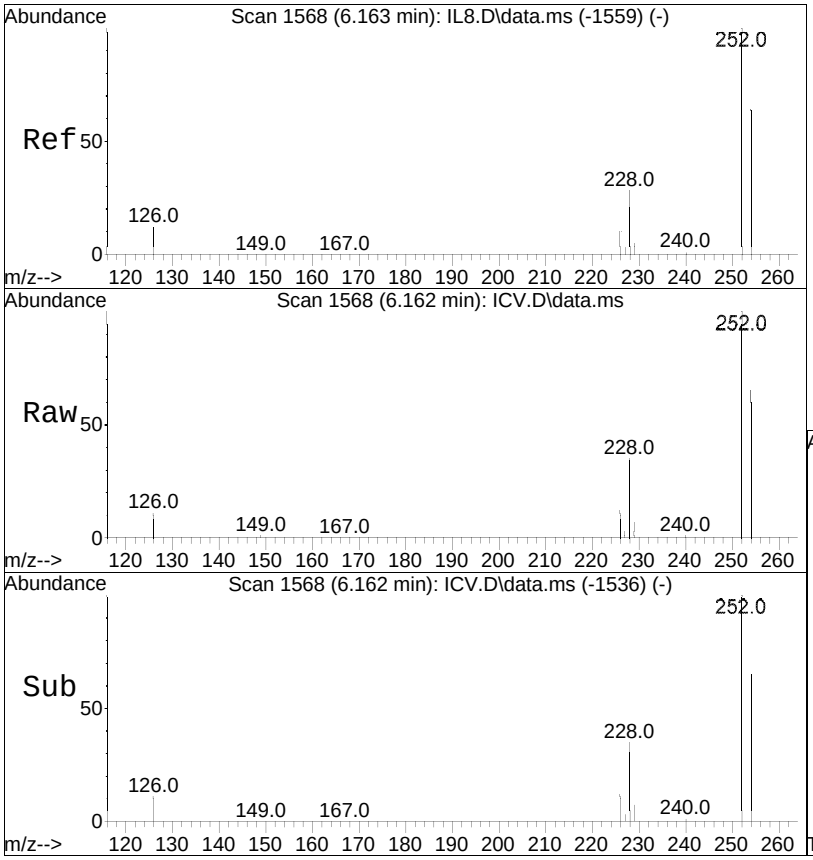


#32
Benzo[a]anthracene
Concen: 928.25 ng/ml
RT: 6.172 min Scan# 1572
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:228 Resp: 411974

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.6

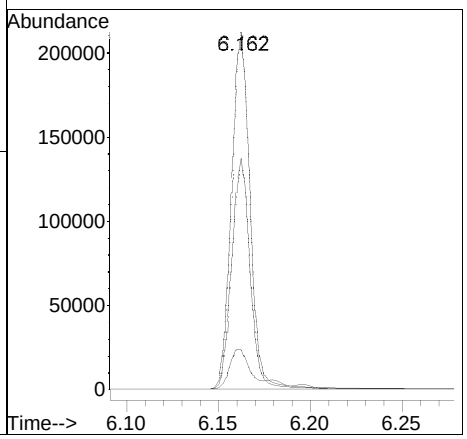


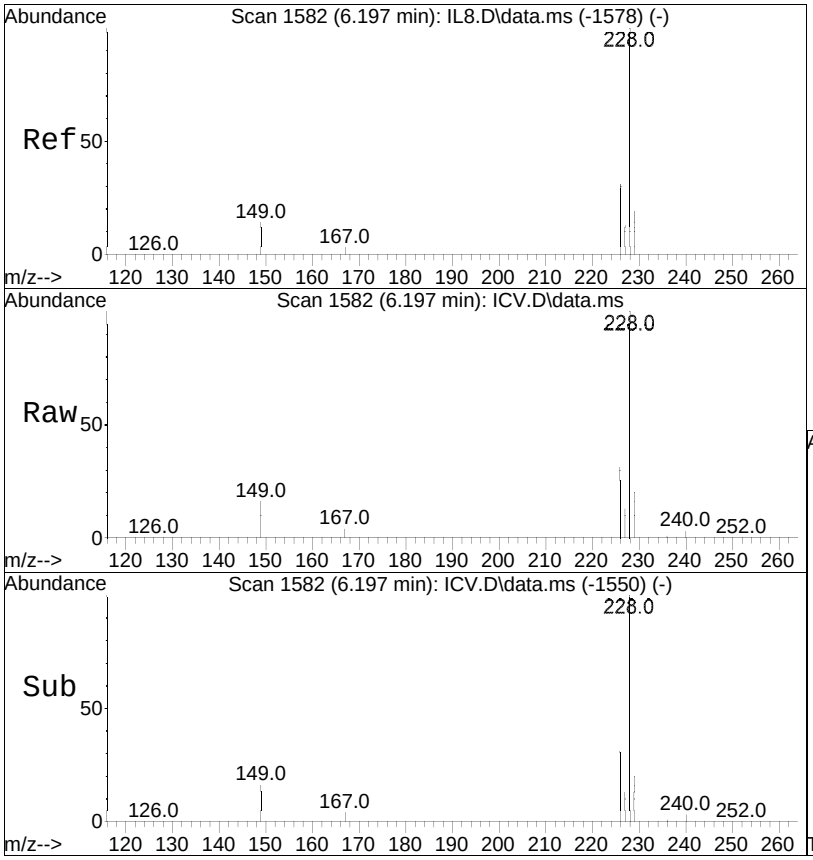


#33
3,3'-Dichlorobenzene
Concen: 900.16 ng/ml
RT: 6.162 min Scan# 1568
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 147041

Ion	Ratio	Lower	Upper
252	100		
126	12.6	11.7	17.5
254	64.6	51.4	77.2

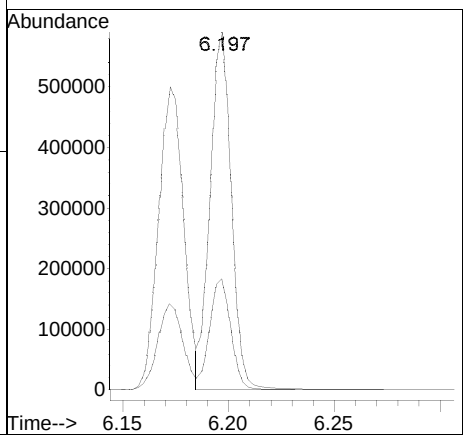


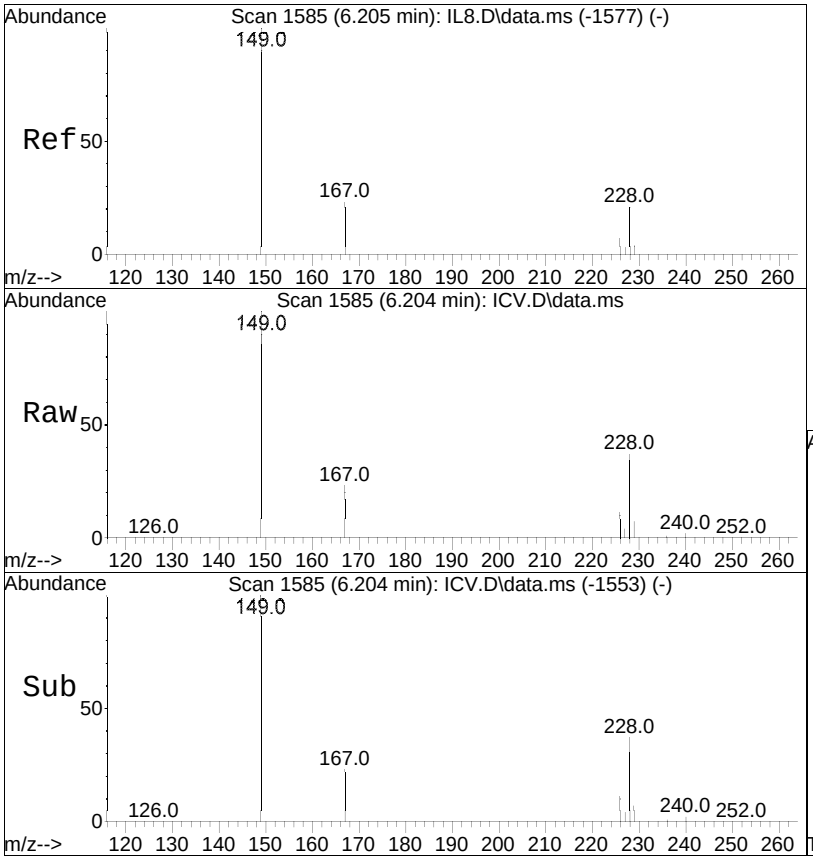


#34
Chrysene
Concen: 961.43 ng/ml
RT: 6.197 min Scan# 1582
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:228 Resp: 409505

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.7	38.5

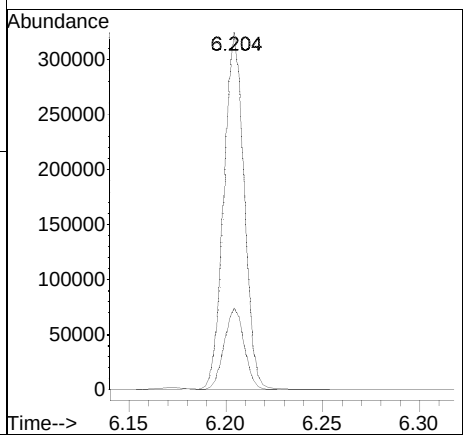


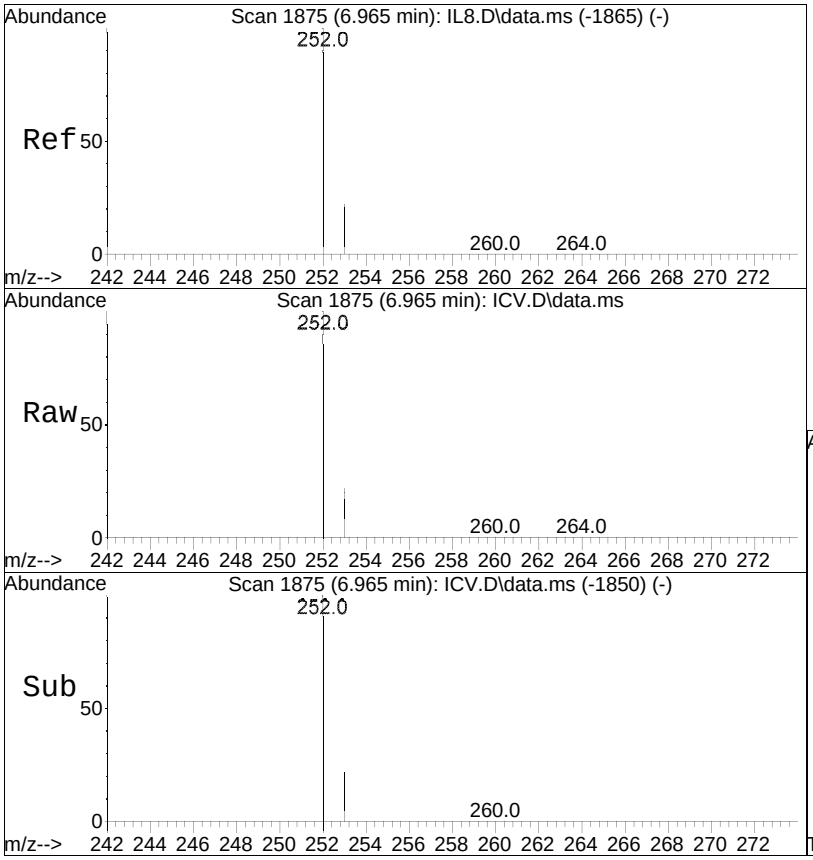


#35
Bis(2-ethylhexyl)phthalate
Concen: 881.23 ng/ml
RT: 6.204 min Scan# 1585
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:149 Resp: 232887

Ion	Ratio	Lower	Upper
149	100		
167	22.8	18.5	27.7

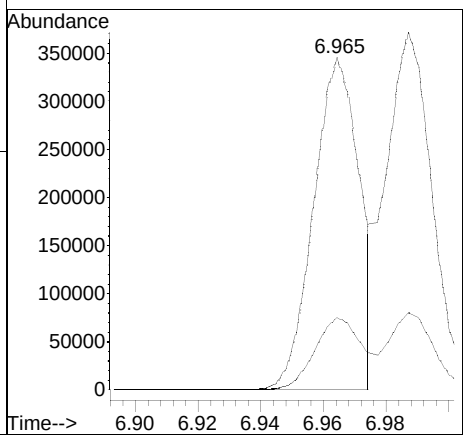


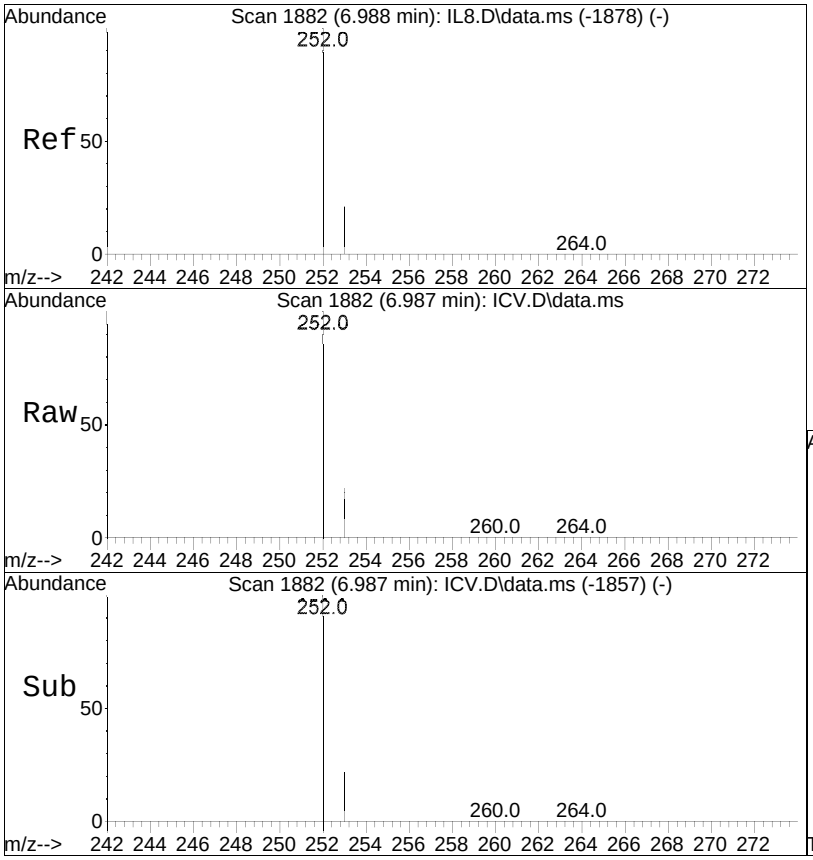


#37
Benzo[b]fluoranthene
Concen: 932.91 ng/ml
RT: 6.965 min Scan# 1875
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 351549

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9

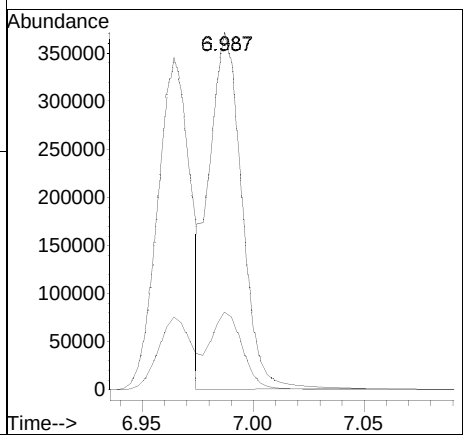


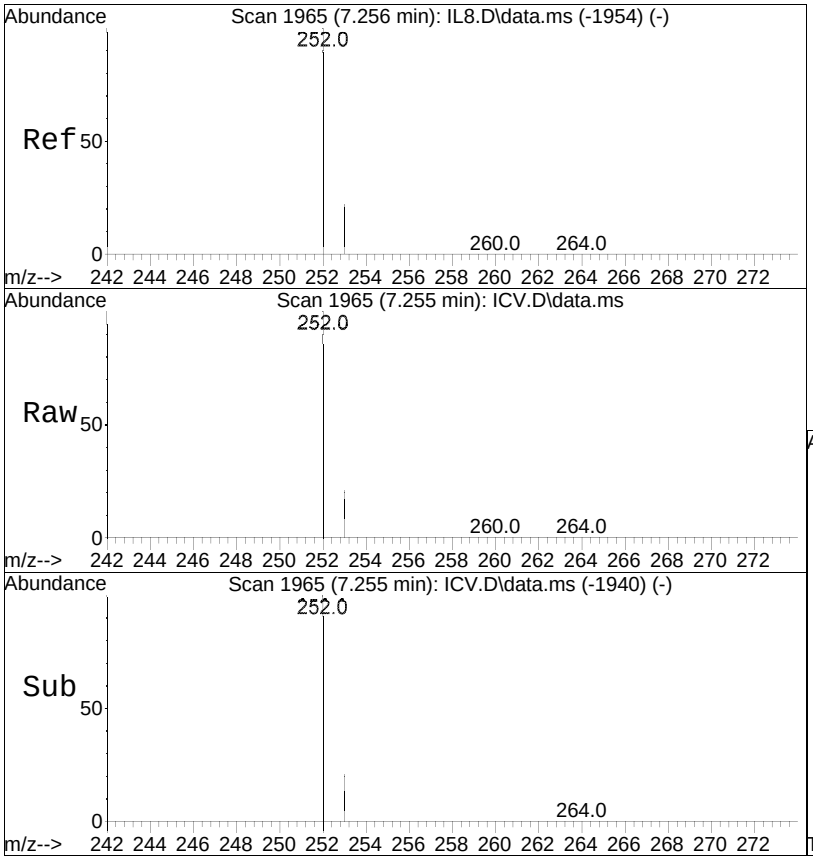


#38
Benzo[k]fluoranthene
Concen: 1070.22 ng/ml
RT: 6.987 min Scan# 1882
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 379963

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.6	26.4

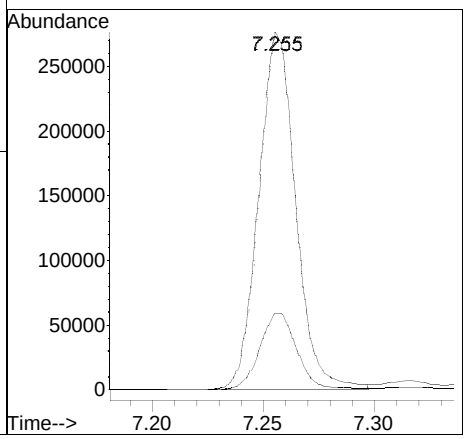


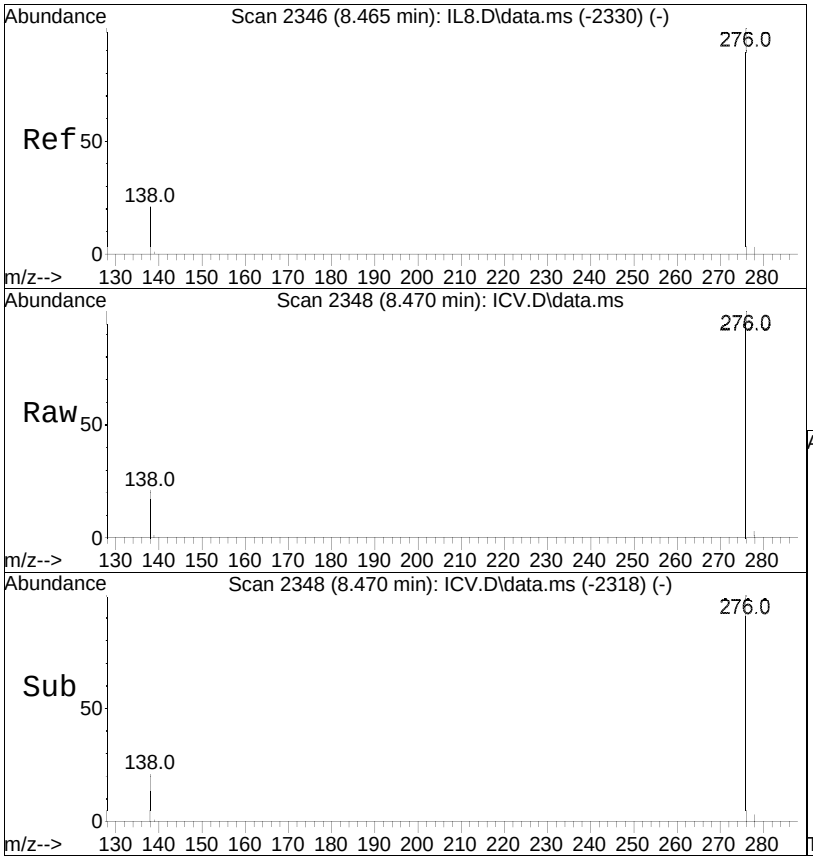


#39
Benzo[a]pyrene
Concen: 1048.38 ng/ml
RT: 7.255 min Scan# 1965
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 315948

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

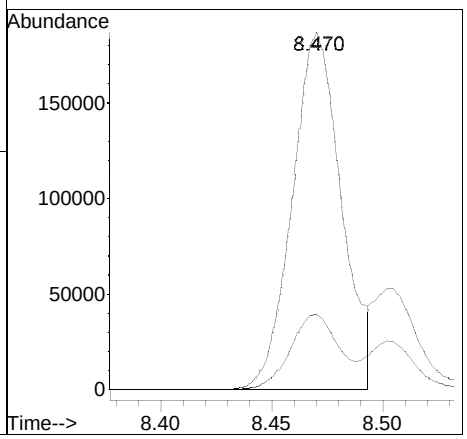


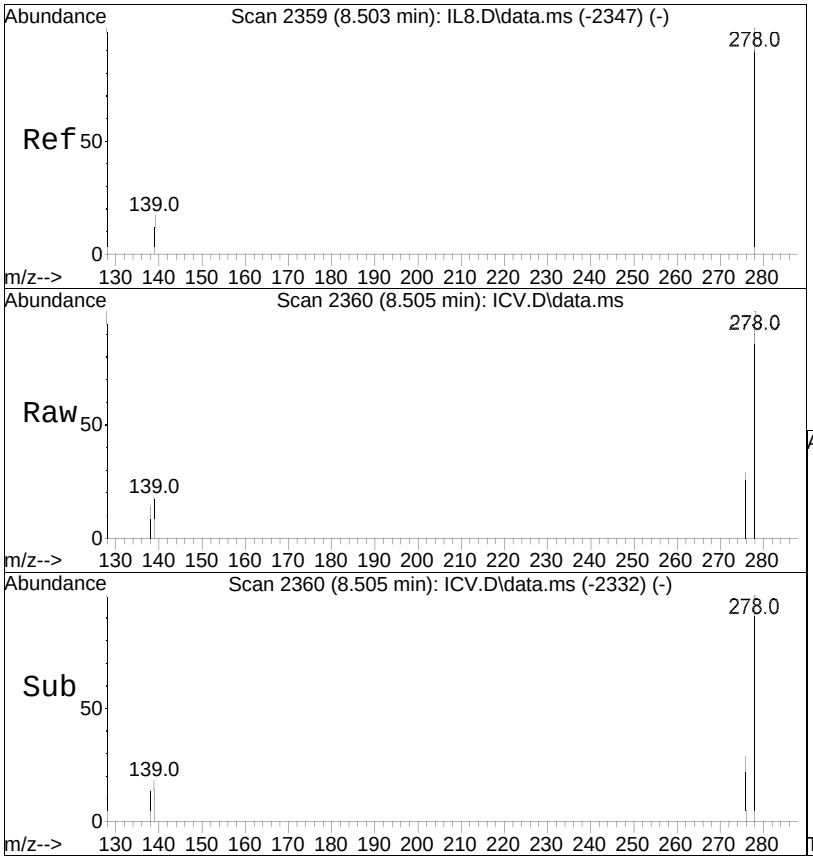


#40
Indeno[1,2,3-cd]pyrene
Concen: 1016.03 ng/ml
RT: 8.470 min Scan# 2348
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:276 Resp: 286922

Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.2	25.8

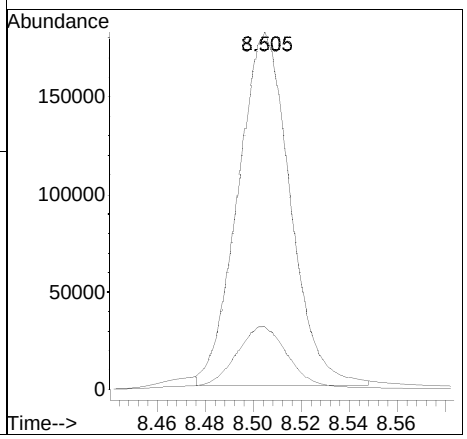


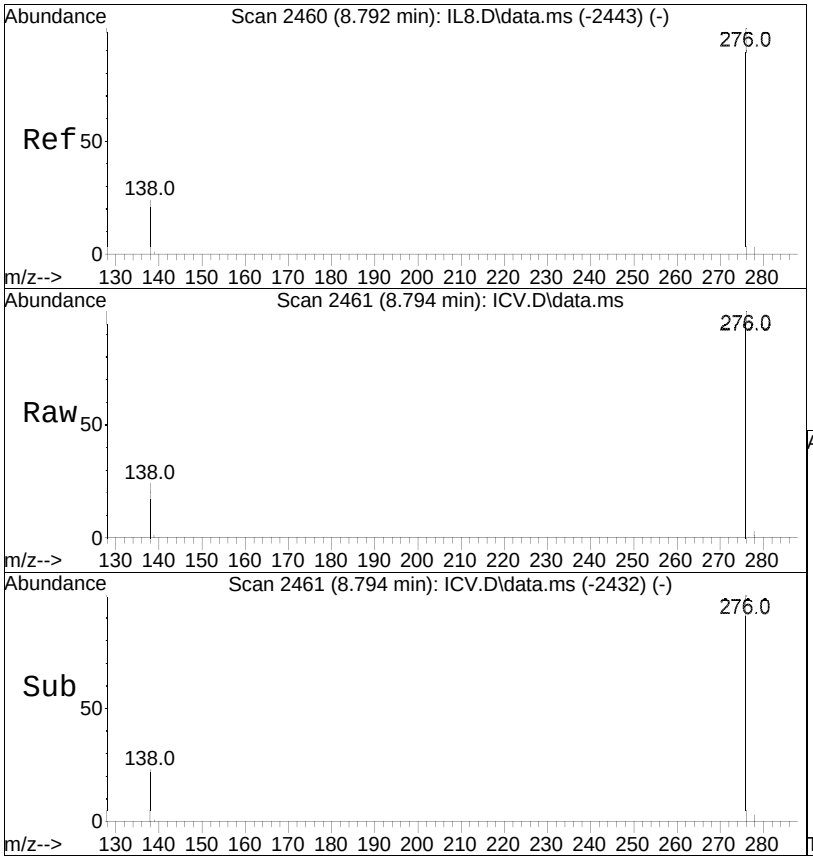


#41
Dibenzo[a,h]anthracene
Concen: 1028.97 ng/ml M6
RT: 8.505 min Scan# 2360
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:278 Resp: 272700

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.7	22.1

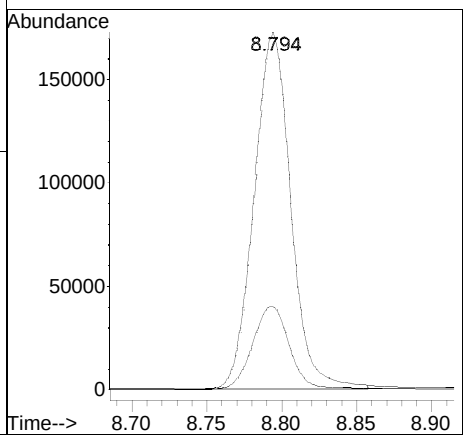




#42
Benzo[g,h,i]perylene
Concen: 1007.13 ng/ml
RT: 8.794 min Scan# 2461
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:276 Resp: 290717

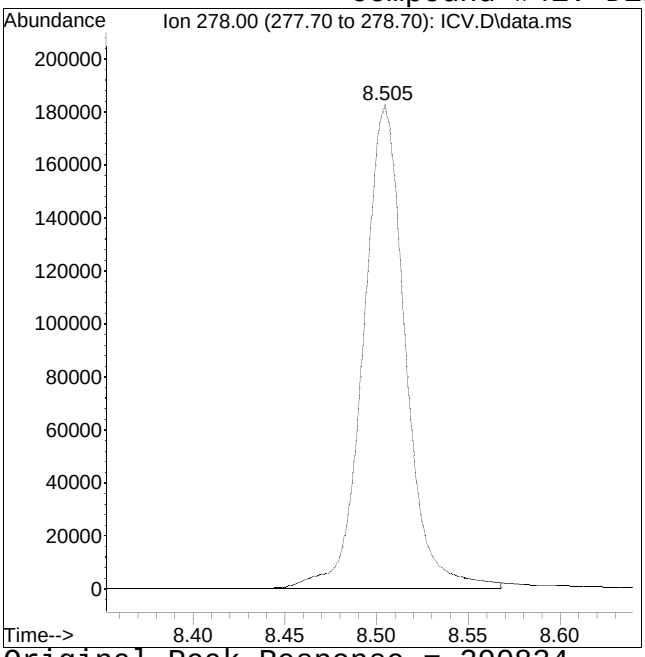
Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.0	28.4



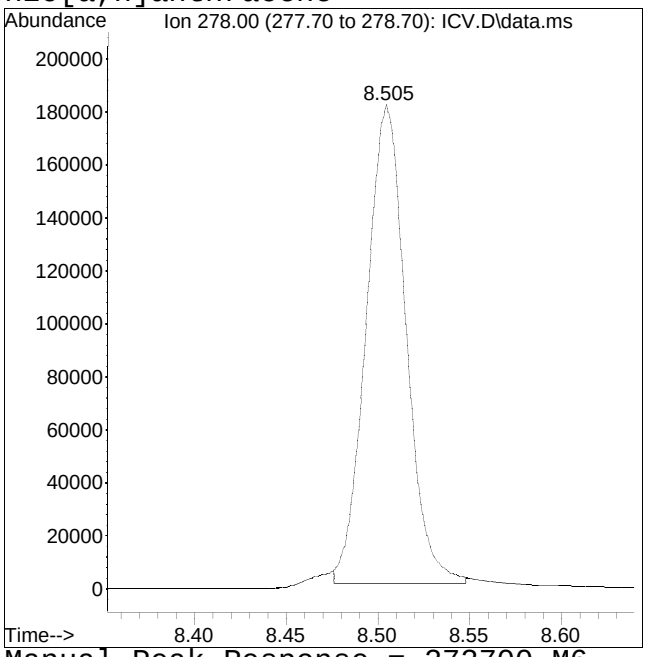
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : ICV.D
Date Inj'd : 7/28/2024 7:31 pm
Sample : CQICV,32,,1000.0ng/mL lot
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 8/7/2024 2:45 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 290834



Manual Peak Response = 272700 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV120

Method Path : I:\8270SIM\sv120\240728RVTical\
Method File : SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 05 16:14:31 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
15 T	2,6-Dinitrotoluene	L	ng/ml	1000.0	942.430	-5.8	40.00	47.804	19.5
19 T	2,4-Dinitrotoluene	L	ng/ml	1000.0	946.468	-5.4	40.00	47.731	19.3
23 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	971.756	-2.8	40.00	47.181	18.0
25 T	Pentachlorophenol	Q	ng/ml	1000.0	966.909	-3.3	40.00	50.161	25.4
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	989.451	-1.1	5.00	5.708	14.2
33 T	3,3'-Dichlorobenzene	L	ng/ml	1000.0	931.220	-6.9	40.00	48.551	21.4
35 T	Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	973.291	-2.7	40.00	47.532	18.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
15 T	2,6-Dinitrotoluene	Linear	0.998470	0.000000	0.167136	-0.000940123
19 T	2,4-Dinitrotoluene	Linear	0.998715	0.000000	0.402049	-0.00241458
23 T	4,6-Dinitro-o-cresol	Quadratic	0.998721	0.017163	0.0918702	-0.000685645
25 T	Pentachlorophenol	Quadratic	0.997264	0.031614	0.126484	-0.00122468
32 T	Benzo[a]anthracene	Linear	0.999835	0.000000	1.50398	0.00277716
33 T	3,3'-Dichlorobenzene	Linear	0.998266	0.000000	0.57304	-0.00339576
35 T	Bis(2-ethylhexyl)phthalate	Quadratic	0.998646	0.162559	0.891426	-0.00541152

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 09/10/24 08:23		
Lab File ID	: CCV0910	**Init. Calib. Date(s)**	: 06/21/24	06/21/24	
Sample No	: WG1969638-3	**Init. Calib. Times**	: 14:50	17:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.411	1.34	.05	5	20	89	0
Phenol-d6	1.78	1.76	.05	1.1	20	89	0
Bis(2-chloroethyl)ether	1.43	1.389	.05	2.9	20	91	0
n-nitrosodi-n-propylamine	1.088	1.034	.05	5	20	84	0
Hexachloroethane	0.664	0.62	.05	6.6	20	90	0
Nitrobenzene-d5	1.561	1.478	.05	5.3	20	85	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1.104	1.03	.05	6.7	20	88	0
Hexachlorobutadiene	0.248	0.215	.05	13.3	20	84	0
2-Methylnaphthalene	0.83	0.783	.05	5.7	20	86	0
1-Methylnaphthalene	0.802	0.704	.05	12.2	20	85	0
2-Fluorobiphenyl	1.034	0.919	.05	11.1	20	87	0
2-Chloronaphthalene	0.894	0.817	.05	8.6	20	86	0
2,6-Dinitrotoluene	0.241	0.221	.05	8.3	20	80	0
Acenaphthylene	1.429	1.24	.05	13.2	20	82	0
Acenaphthene-d10	1	1	.05	0	20	87	0
Acenaphthene	1.396	1.369	.05	1.9	20	86	0
2,4-Dinitrotoluene	0.535	0.534	.05	0.2	20	78	0
Fluorene	1.84	1.731	.05	5.9	20	84	0
2,4,6-Tribromophenol	0.279	0.277	.05	0.7	20	78	0
Phenanthrene-d10	1	1	.05	0	20	77	0
4,6-Dinitro-o-cresol	1000	928.433	.05	7.2	20	72	0
Hexachlorobenzene	0.275	0.281	.05	-2.2	20	83	0
Pentachlorophenol	1000	955.168	.05	4.5	20	70	0
Phenanthrene	1.163	1.135	.05	2.4	20	78	0
Anthracene	1.201	1.206	.05	-0.4	20	77	0
Fluoranthene	1.597	1.497	.05	6.3	20	77	0
Pyrene	1.655	1.562	.05	5.6	20	78	0
4-Terphenyl-d14	1.106	0.866	.05	21.7*	20	65	0
Chrysene-d12	1	1	.05	0	20	81	0
Benzo[a]anthracene	1000	1010.131	.05	-1	20	77	0
3,3'-Dichlorobenzene	0.611	0.719	.05	-17.7	20	88	0
Chrysene	1.489	1.388	.05	6.8	20	74	0
Bis(2-ethylhexyl)phthalate	1000	884.03	.05	11.6	20	71	0
Perylene-d12	1	1	.05	0	20	79	0
Benzo[b]fluoranthene	1.657	1.589	.05	4.1	20	78	0
Benzo[k]fluoranthene	1.531	1.433	.05	6.4	20	81	0
Benzo[a]pyrene	1.467	1.442	.05	1.7	20	80	0
Indeno[1,2,3-cd]pyrene	1.483	1.553	.05	-4.7	20	83	0
Dibenzo[a,h]anthracene	1.321	1.32	.05	0.1	20	81	0
Benzo[g,h,i]perylene	1.459	1.435	.05	1.6	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 09/10/24 08:50		
Lab File ID	: CCV0910A	**Init. Calib. Date(s)**	: 07/28/24	07/28/24	
Sample No	: WG1969644-3	**Init. Calib. Times**	: 16:50	19:15	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	83	0
2-Fluorophenol	1.188	1.262	.05	-6.2	20	89	0
Phenol-d6	1.445	1.595	.05	-10.4	20	92	0
Bis(2-chloroethyl)ether	1.315	1.281	.05	2.6	20	85	0
n-nitrosodi-n-propylamine	0.87	0.949	.05	-9.1	20	89	0
Hexachloroethane	0.561	0.541	.05	3.6	20	81	0
Nitrobenzene-d5	1.176	1.376	.05	-17	20	94	0
Naphthalene-d8	1	1	.05	0	20	85	0
Naphthalene	1.149	1.02	.05	11.2	20	81	0
Hexachlorobutadiene	0.197	0.188	.05	4.6	20	84	0
2-Methylnaphthalene	0.729	0.709	.05	2.7	20	84	0
1-Methylnaphthalene	0.68	0.645	.05	5.1	20	83	0
2-Fluorobiphenyl	0.862	0.816	.05	5.3	20	84	0
2-Chloronaphthalene	0.741	0.696	.05	6.1	20	82	0
2,6-Dinitrotoluene	1000	1059.016	.05	-5.9	20	96	0
Acenaphthylene	1.063	1.078	.05	-1.4	20	83	0
Acenaphthene-d10	1	1	.05	0	20	86	0
Acenaphthene	1.442	1.282	.05	11.1	20	81	0
2,4-Dinitrotoluene	1000	1062.706	.05	-6.3	20	97	0
Fluorene	1.598	1.46	.05	8.6	20	82	0
2,4,6-Tribromophenol	0.22	0.214	.05	2.7	20	77	0
Phenanthrene-d10	1	1	.05	0	20	82	0
4,6-Dinitro-o-cresol	1000	1237.418	.05	-23.7*	20	106	0
Hexachlorobenzene	0.28	0.246	.05	12.1	20	76	0
Pentachlorophenol	1000	1077.769	.05	-7.8	20	92	0
Phenanthrene	1.188	1.114	.05	6.2	20	80	0
Anthracene	1.146	1.128	.05	1.6	20	80	0
Fluoranthene	1.283	1.336	.05	-4.1	20	85	0
Pyrene	1.337	1.416	.05	-5.9	20	86	0
4-Terphenyl-d14	0.838	0.905	.05	-8	20	91	0
Chrysene-d12	1	1	.05	0	20	93	0
Benzo[a]anthracene	1000	913.724	.05	8.6	20	86	0
3,3'-Dichlorobenzene	1000	998.61	.05	0.1	20	100	0
Chrysene	1.455	1.299	.05	10.7	20	85	0
Bis(2-ethylhexyl)phthalate	1000	927.98	.05	7.2	20	89	0
Perylene-d12	1	1	.05	0	20	96	0
Benzo[b]fluoranthene	1.35	1.368	.05	-1.3	20	98	0
Benzo[k]fluoranthene	1.272	1.27	.05	0.2	20	87	0
Benzo[a]pyrene	1.08	1.19	.05	-10.2	20	97	0
Indeno[1,2,3-cd]pyrene	1.012	1.262	.05	-24.7*	20	114	0
Dibenzo[a,h]anthracene	0.95	1.155	.05	-21.6*	20	106	0
Benzo[g,h,i]perylene	1.034	1.134	.05	-9.7	20	99	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2024 08:23 am
Operator : sv119:jjw
Sample : WG1969638-3,32,,ICV 10884 (0825a)
Misc : WG1969638,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 08:43:39 2024
Quant Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:21 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2	s	2-Fluorophenol	1.411	1.340	5.0	89	0.00
3	s	Phenol-d6	1.780	1.760	1.1	89	0.00
4	T	Bis(2-chloroethyl)ether	1.430	1.389	2.9	91	0.00
5	T	n-nitrosodi-n-propylamine	1.088	1.034	5.0	84	0.00
6	t	Hexachloroethane	0.664	0.620	6.6	90	0.00
7	s	Nitrobenzene-d5	1.561	1.478	5.3	85	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	93	0.00
9	t	Naphthalene	1.104	1.030	6.7	88	0.00
10	t	Hexachlorobutadiene	0.248	0.215	13.3	84	0.00
11	t	2-Methylnaphthalene	0.830	0.783	5.7	86	0.00
12	t	1-Methylnaphthalene	0.802	0.704	12.2	85	0.00
13	s	2-Fluorobiphenyl	1.034	0.919	11.1	87	0.00
14	t	2-Chloronaphthalene	0.894	0.817	8.6	86	0.00
15	t	2,6-Dinitrotoluene	0.241	0.221	8.3	80	0.00
16	t	Acenaphthylene	1.429	1.240	13.2	82	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
18	t	Acenaphthene	1.396	1.369	1.9	86	0.00
19	t	2,4-Dinitrotoluene	0.535	0.534	0.2	78	0.00
20	t	Fluorene	1.840	1.731	5.9	84	0.00
21	s	2,4,6-Tribromophenol	0.279	0.277	0.7	78	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	77	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	928.433	7.2	72	0.00
24	t	Hexachlorobenzene	0.275	0.281	-2.2	83	0.00
25	t	Pentachlorophenol	*1000.000	955.168	4.5	70	0.00
26	t	Phenanthrene	1.163	1.135	2.4	78	0.00
27	t	Anthracene	1.201	1.206	-0.4	77	0.00
28	t	Fluoranthene	1.597	1.497	6.3	77	0.00
29	t	Pyrene	1.655	1.562	5.6	78	0.00
30	s	4-Terphenyl-d14	1.106	0.866	21.7#	65	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	81	0.00
32	t	Benzo[a]anthracene	*1000.000	1010.131	-1.0	77	0.00
33	t	3,3'-Dichlorobenzene	0.611	0.719	-17.7	88	0.00
34	t	Chrysene	1.489	1.388	6.8	74	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	884.030	11.6	71	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2024 08:23 am
Operator : sv119:jjw
Sample : WG1969638-3,32,,ICV 10884 (0825a)
Misc : WG1969638,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 08:43:39 2024
Quant Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:21 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	79	0.00
37	t	Benzo[b]fluoranthene	1.657	1.589	4.1	78	0.00
38	t	Benzo[k]fluoranthene	1.531	1.433	6.4	81	0.00
39	t	Benzo[a]pyrene	1.467	1.442	1.7	80	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.483	1.553	-4.7	83	0.00
41	t	Dibenzo[a,h]anthracene	1.321	1.320	0.1	81	0.00
42	t	Benzo[g,h,i]perylene	1.459	1.435	1.6	82	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2024 08:23 am
Operator : sv119:jjw
Sample : WG1969638-3,32,,ICV 10884 (0825a)
Misc : WG1969638,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 08:43:39 2024
Quant Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:21 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.247	152	174323	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.910	136	643484	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.889	164	369390	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.734	188	787554	4000.000	ng/ml	0.00
31) Chrysene-d12	6.327	240	782764	4000.000	ng/ml	0.00
36) Perylene-d12	7.563	264	778307	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.662	112	58384	949.439	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.47%			
3) Phenol-d6	2.063	99	76697	988.895	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.44%			
7) Nitrobenzene-d5	2.527	82	64410	946.762	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.68%			
13) 2-Fluorobiphenyl	3.506	172	147785	888.360	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.84%			
21) 2,4,6-Tribromophenol	4.337	330	25596	992.420	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.62%			
30) 4-Terphenyl-d14	5.667	244	170589	783.543	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 39.18%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.110	93	60517	971.209	ng/ml	89
5) n-nitrosodi-n-propylamine	2.446	70	45042	949.542	ng/ml	99
6) Hexachloroethane	2.504	117	27010	933.892	ng/ml	94
9) Naphthalene	2.919	128	165765	933.068	ng/ml	100
10) Hexachlorobutadiene	2.992	225	34559	866.635	ng/ml	100
11) 2-Methylnaphthalene	3.301	142	126001	943.733	ng/ml	99
12) 1-Methylnaphthalene	3.356	142	113212	877.239	ng/ml	99
14) 2-Chloronaphthalene	3.572	162	131472	913.979	ng/ml	95
15) 2,6-Dinitrotoluene	3.767	165	35600	919.087	ng/ml	96
16) Acenaphthylene	3.806	152	199457	867.903	ng/ml	100
18) Acenaphthene	3.906	153	126425	980.505	ng/ml	100
19) 2,4-Dinitrotoluene	3.998	165	49309	998.606	ng/ml	97
20) Fluorene	4.199	166	159838	940.522	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.229	198	30040	928.433	ng/ml	96
24) Hexachlorobenzene	4.519	284	55381	1024.136	ng/ml	100
25) Pentachlorophenol	4.631	266	32134	955.168	ng/ml	98
26) Phenanthrene	4.748	178	223412	975.791	ng/ml	100
27) Anthracene	4.775	178	237449	1003.776	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2024 08:23 am
Operator : sv119:jjw
Sample : WG1969638-3,32,,ICV 10884 (0825a)
Misc : WG1969638,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 08:43:39 2024
Quant Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:21 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.438	202	294826	937.802	ng/ml	99
29) Pyrene	5.572	202	307543	944.033	ng/ml	98
32) Benzo[a]anthracene	6.317	228	299150	1010.131	ng/ml	100
33) 3,3'-Dichlorobenzene	6.303	252	140793	1177.637	ng/ml	98
34) Chrysene	6.343	228	271670	932.517	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.345	149	186701	884.030	ng/ml	100
37) Benzo[b]fluoranthene	7.177	252	309235	959.293	ng/ml	100
38) Benzo[k]fluoranthene	7.203	252	278839	936.305	ng/ml	99
39) Benzo[a]pyrene	7.491	252	280653	983.013	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.795	276	302084	1046.680	ng/ml	98
41) Dibenzo[a,h]anthracene	8.833	278	256923M6	999.340	ng/ml	
42) Benzo[g,h,i]perylene	9.140	276	279191	983.473	ng/ml	98

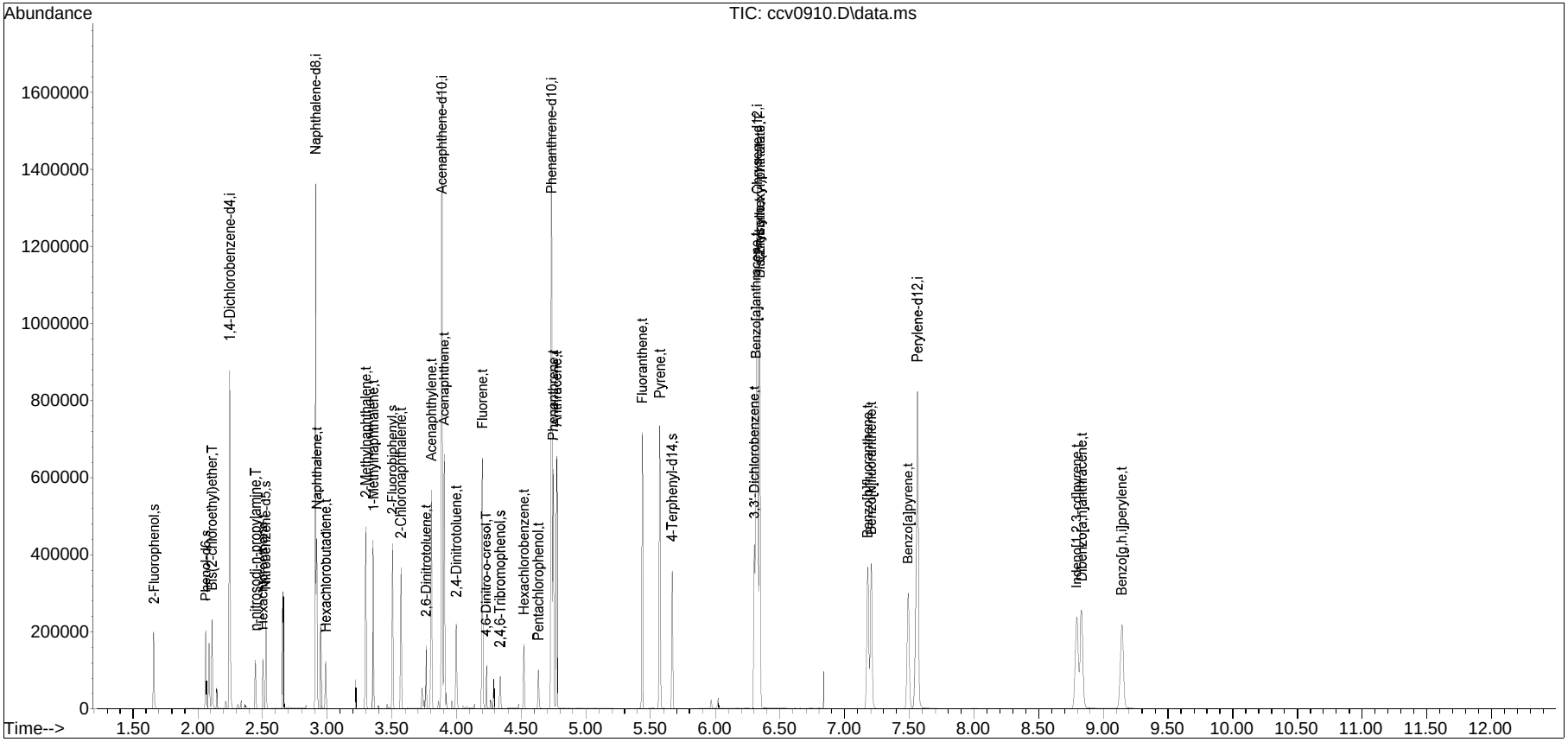
(#) = qualifier out of range (m) = manual integration (+) = signals summed

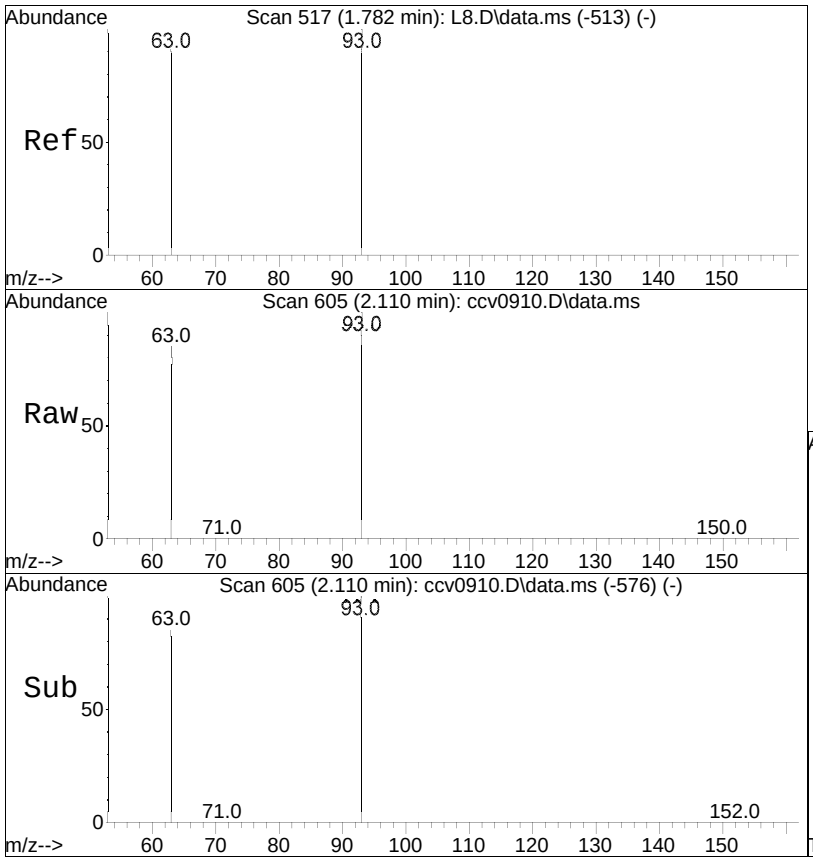
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : ccv0910.D
Acq On : 10 Sep 2024 08:23 am
Operator : sv119:jjw
Sample : WG1969638-3,32,,ICV 10884 (0825a)
Misc : WG1969638,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 08:43:39 2024
Quant Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:21 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

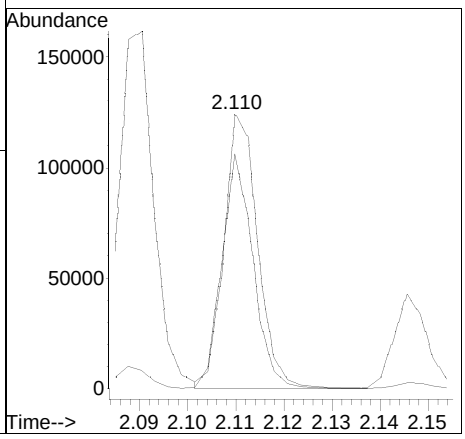


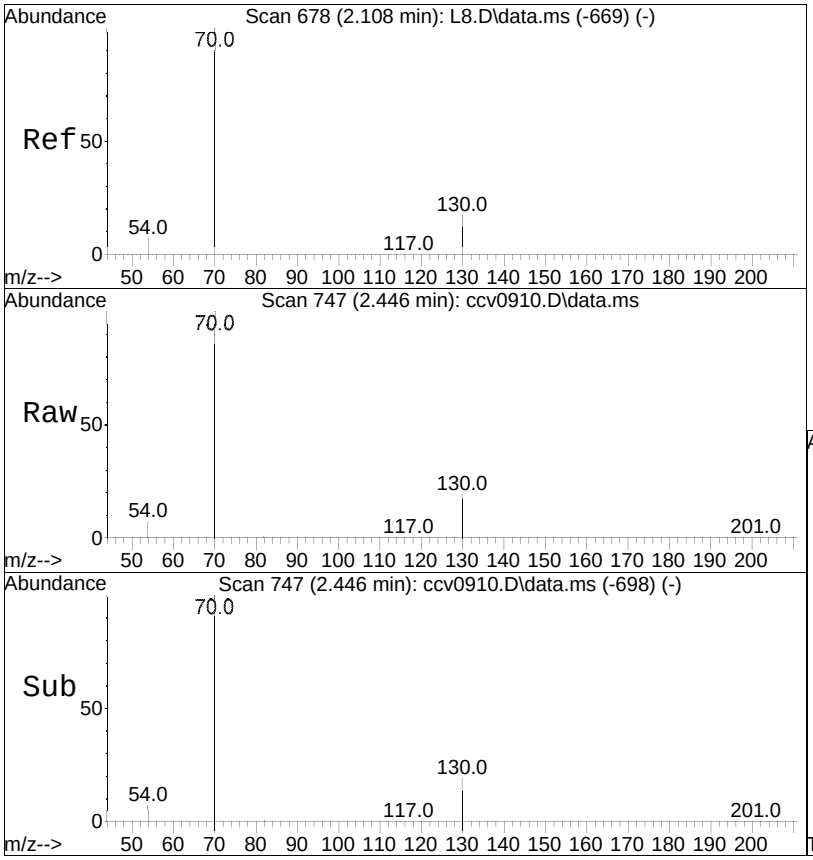


#4
Bis(2-chloroethyl)ether
Concen: 971.21 ng/ml
RT: 2.110 min Scan# 605
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion: 93 Resp: 60517

Ion	Ratio	Lower	Upper
93	100		
63	79.1	71.7	107.5

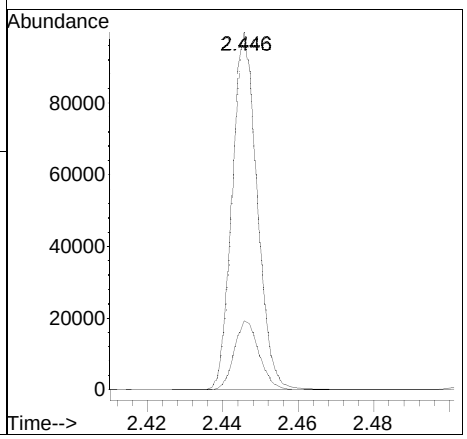


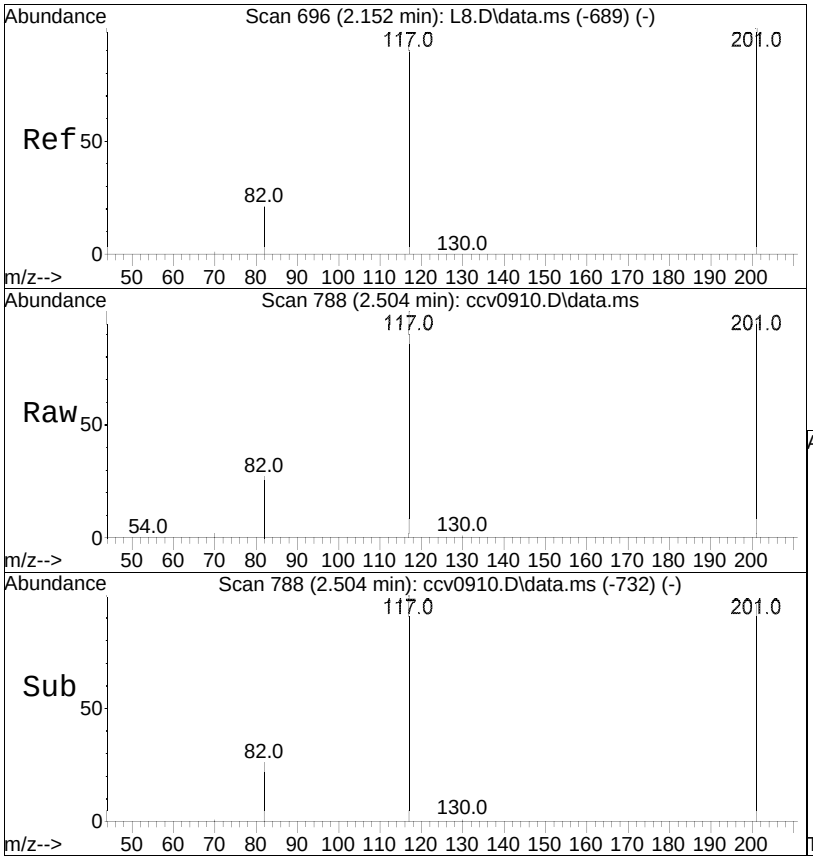


#5
n-nitrosodi-n-propylamine
Concen: 949.54 ng/ml
RT: 2.446 min Scan# 747
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion: 70 Resp: 45042

Ion	Ratio	Lower	Upper
70	100		
130	19.3	15.1	22.7

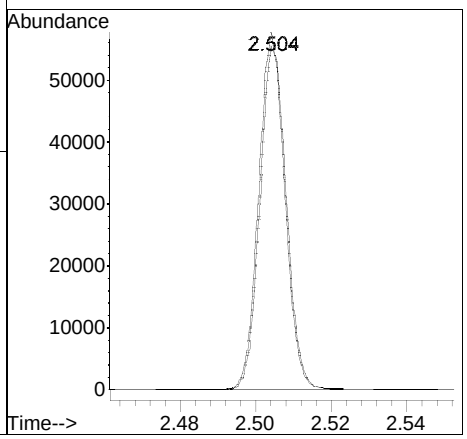


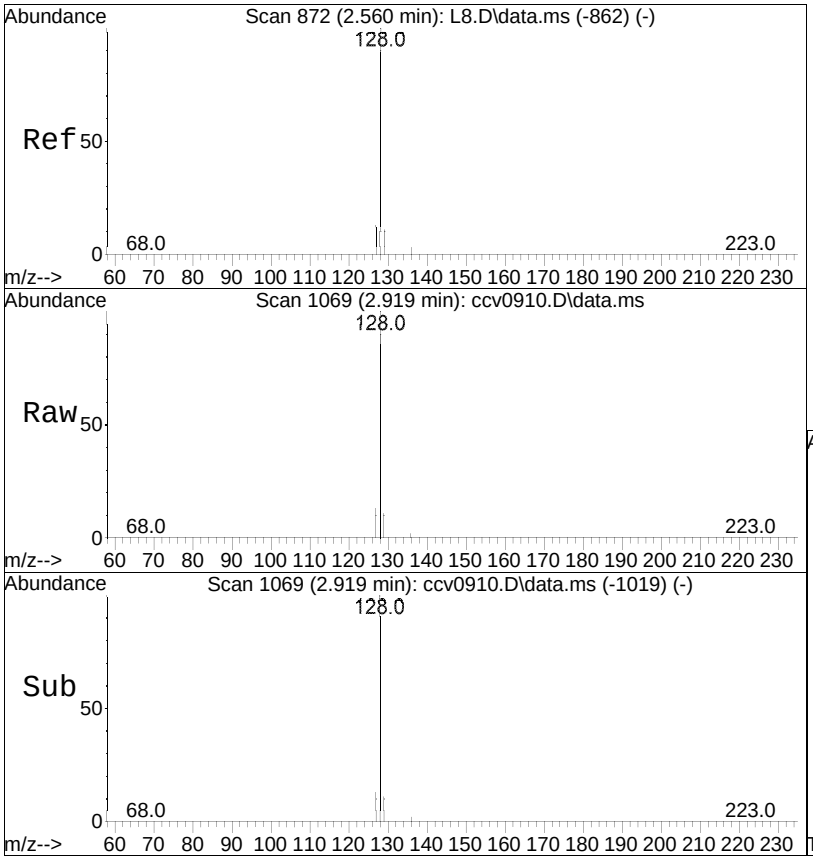


#6
Hexachloroethane
Concen: 933.89 ng/ml
RT: 2.504 min Scan# 788
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:117 Resp: 27010

Ion	Ratio	Lower	Upper
117	100		
201	97.6	83.0	124.6

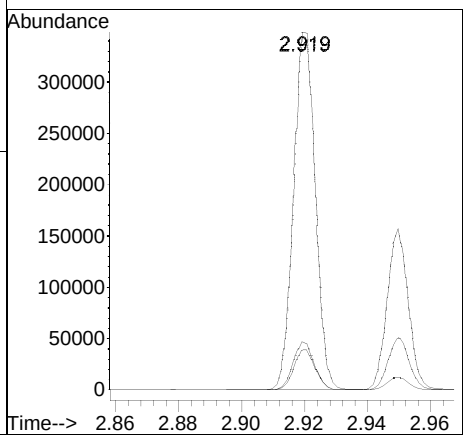


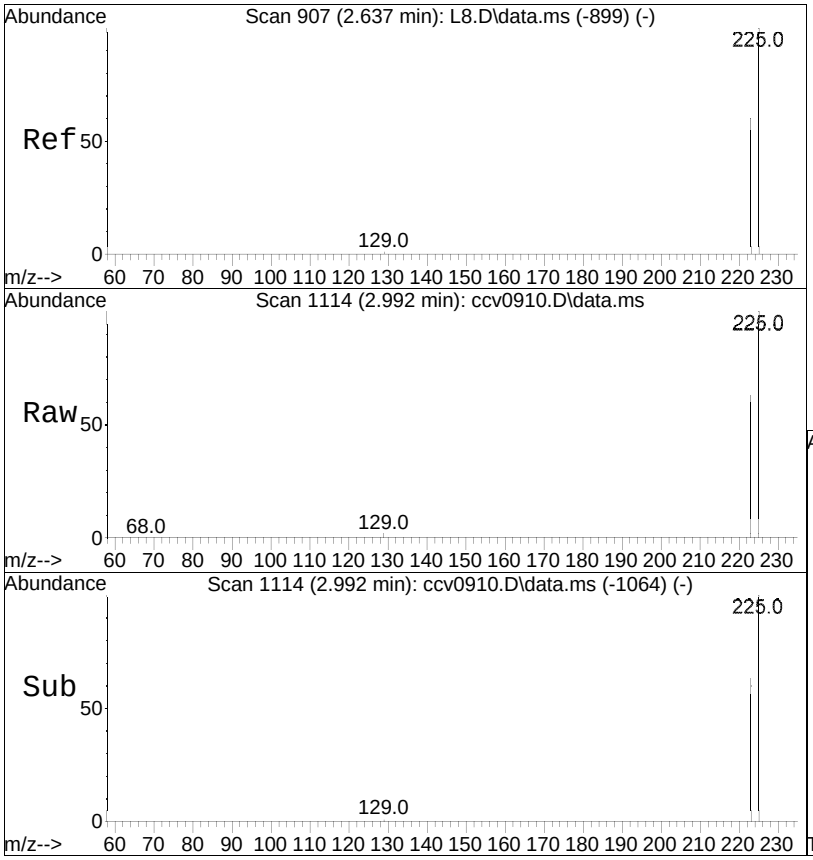


#9
Naphthalene
Concen: 933.07 ng/ml
RT: 2.919 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:128 Resp: 165765

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8

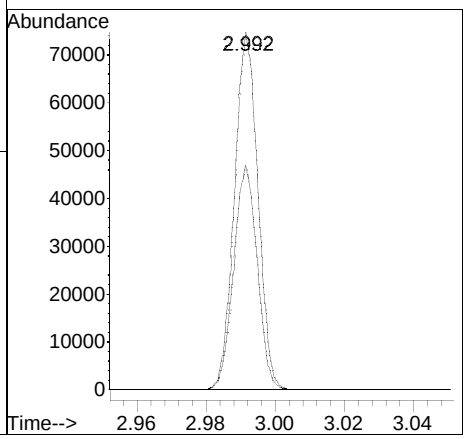


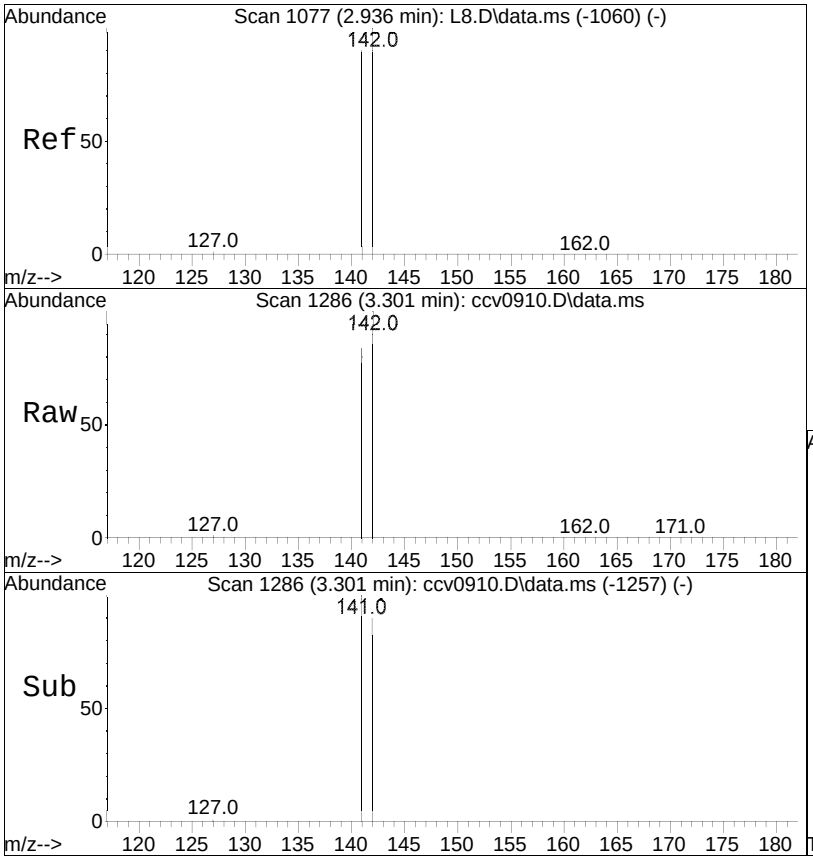


#10
Hexachlorobutadiene
Concen: 866.63 ng/ml
RT: 2.992 min Scan# 1114
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:225 Resp: 34559

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2

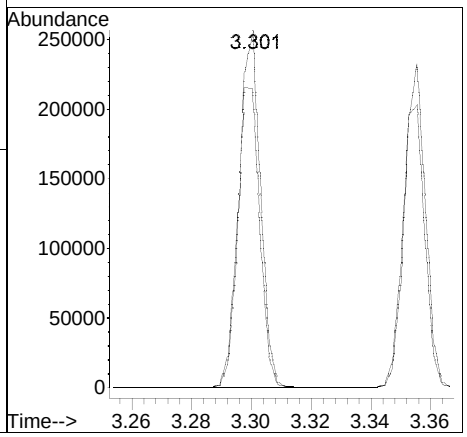


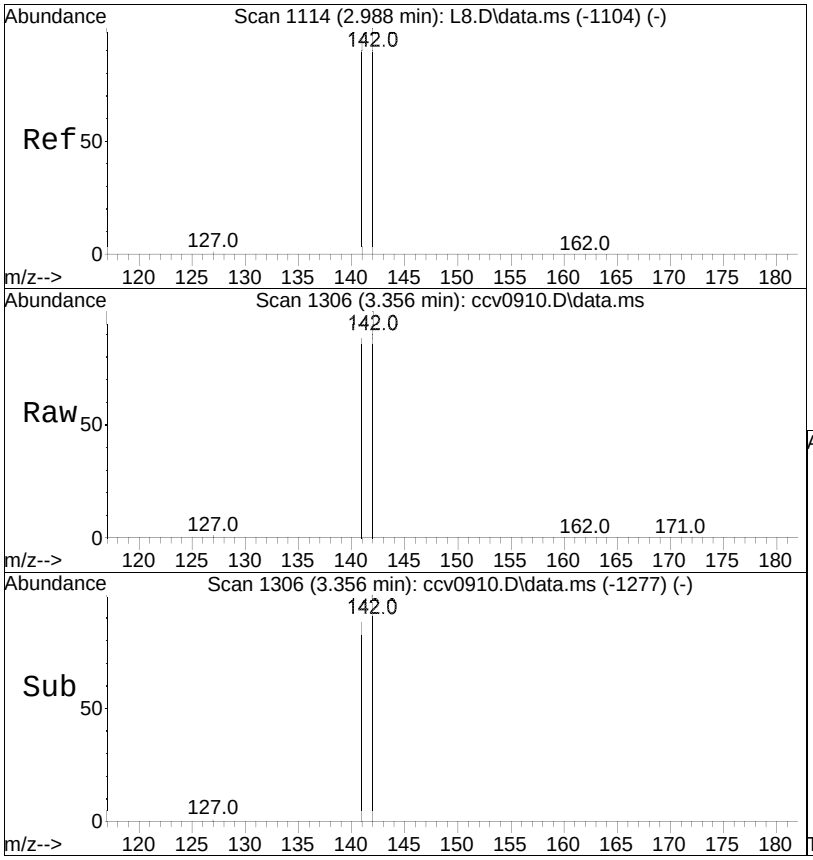


#11
2-Methylnaphthalene
Concen: 943.73 ng/ml
RT: 3.301 min Scan# 1286
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:142 Resp: 126001

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.3	108.5

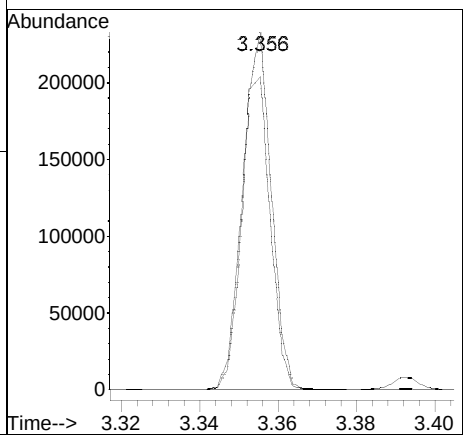


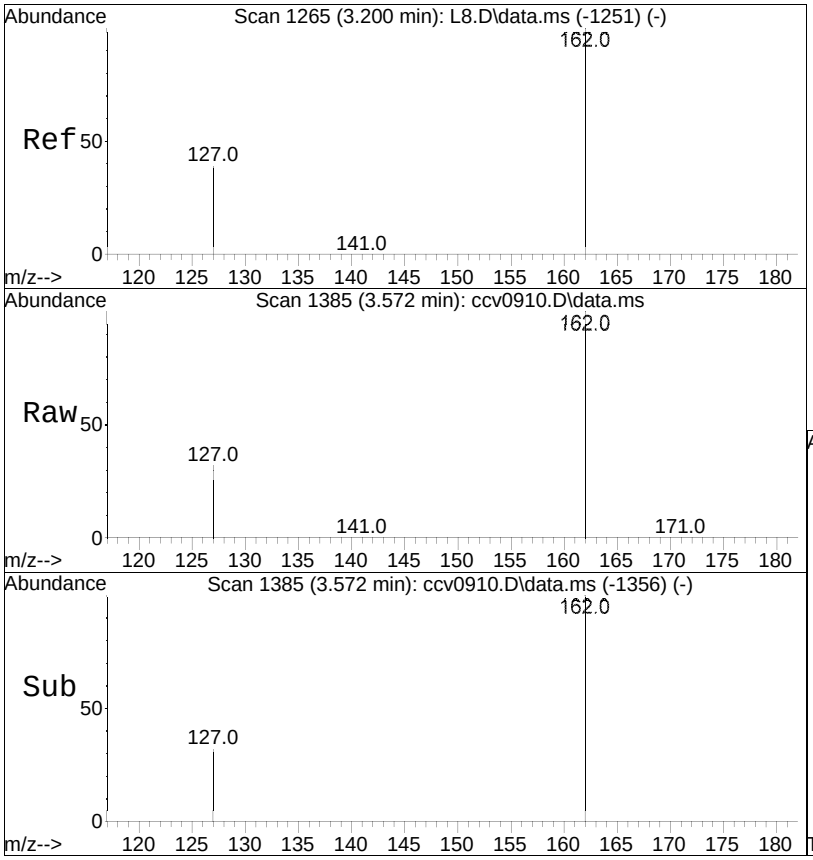


#12
1-Methylnaphthalene
Concen: 877.24 ng/ml
RT: 3.356 min Scan# 1306
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:142 Resp: 113212

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.9	112.3

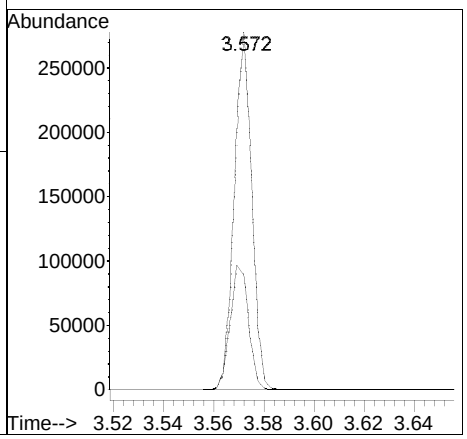


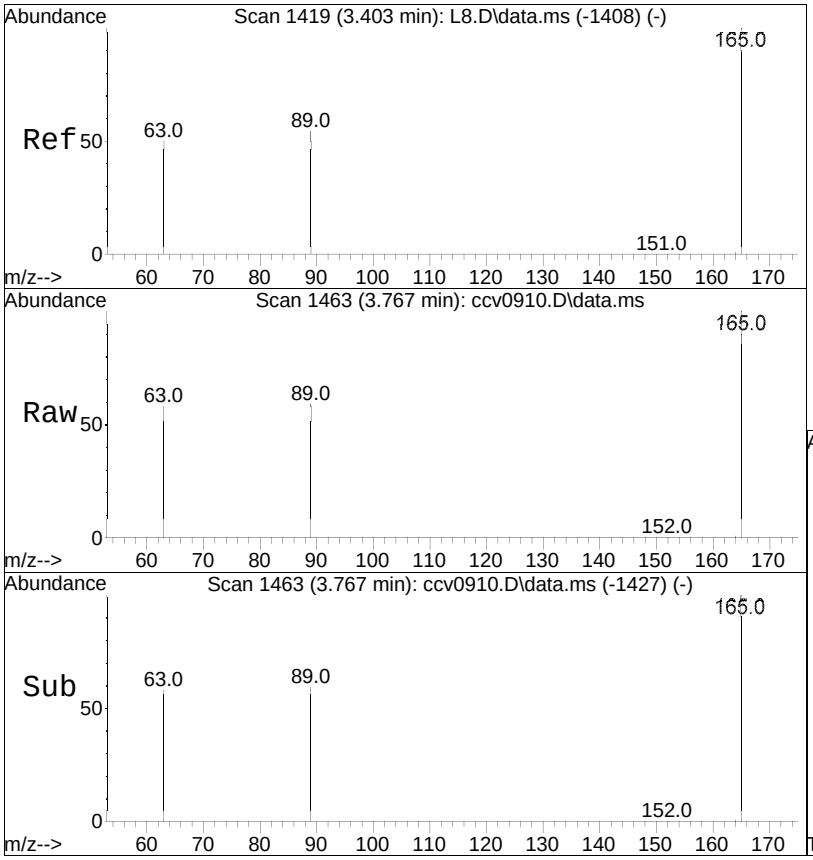


#14
2-Chloronaphthalene
Concen: 913.98 ng/ml
RT: 3.572 min Scan# 1385
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:162 Resp: 131472

Ion	Ratio	Lower	Upper
162	100		
127	36.9	32.0	48.0

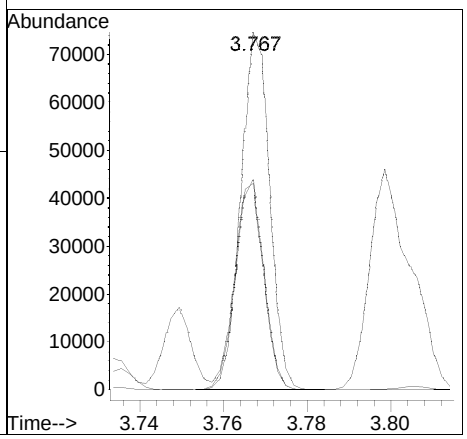


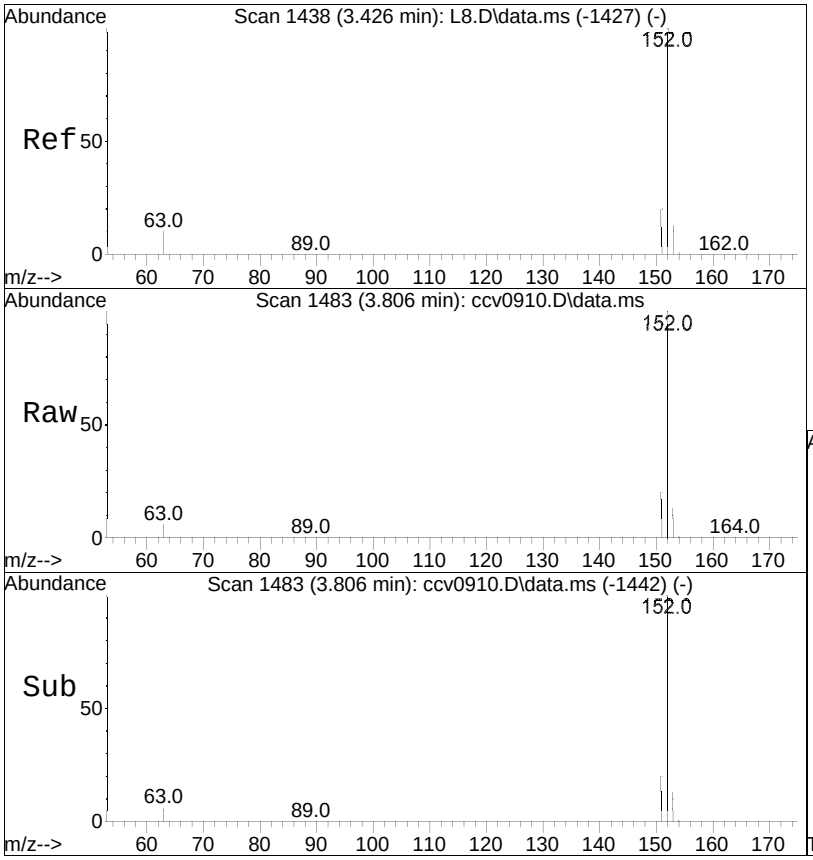


#15
2,6-Dinitrotoluene
Concen: 919.09 ng/ml
RT: 3.767 min Scan# 1463
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:165 Resp: 35600

Ion	Ratio	Lower	Upper
165	100		
89	58.3	45.7	68.5
63	58.1	49.8	74.6

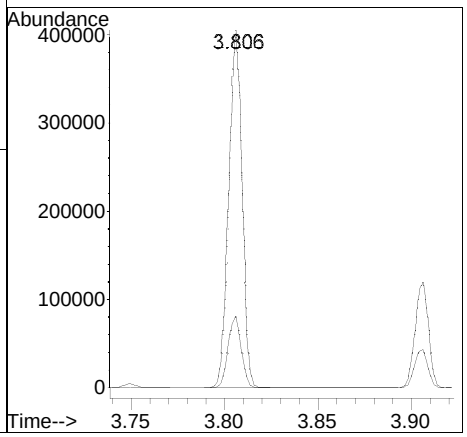


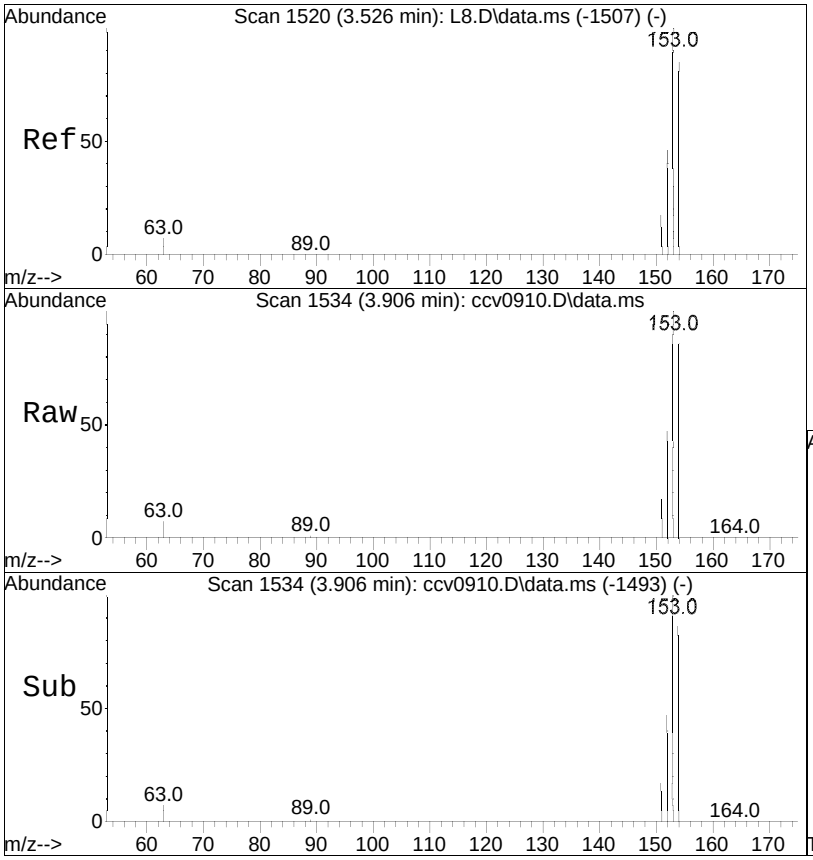


#16
Acenaphthylene
Concen: 867.90 ng/ml
RT: 3.806 min Scan# 1483
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:152 Resp: 199457

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0

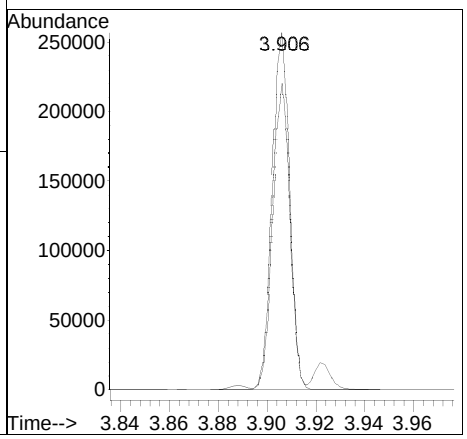


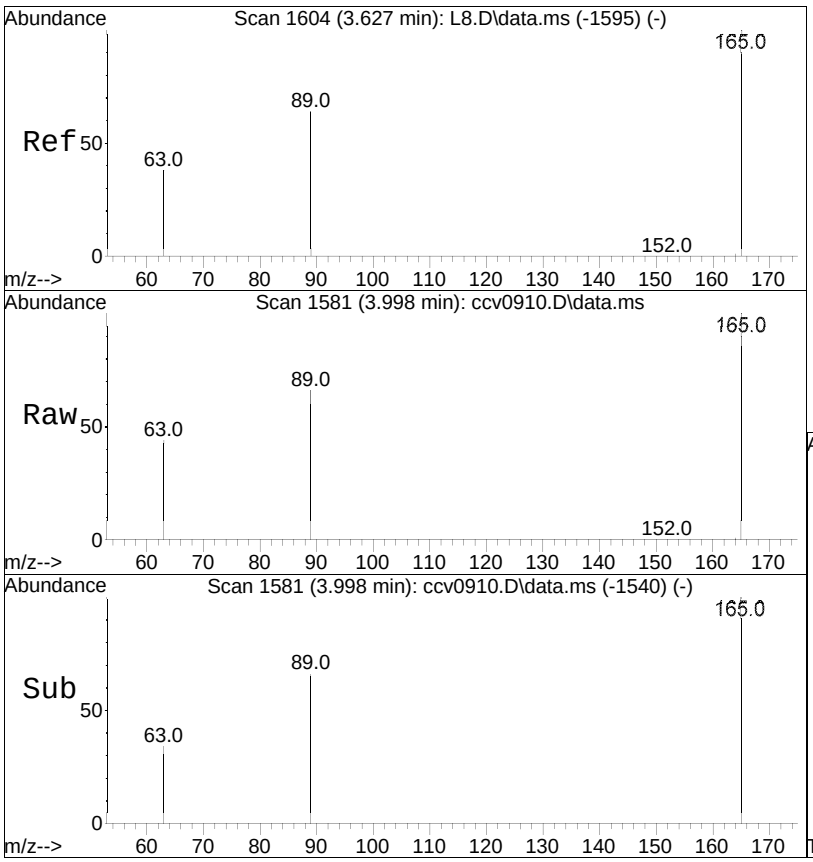


#18
Acenaphthene
Concen: 980.50 ng/ml
RT: 3.906 min Scan# 1534
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:153 Resp: 126425

Ion	Ratio	Lower	Upper
153	100		
154	84.7	68.1	102.1

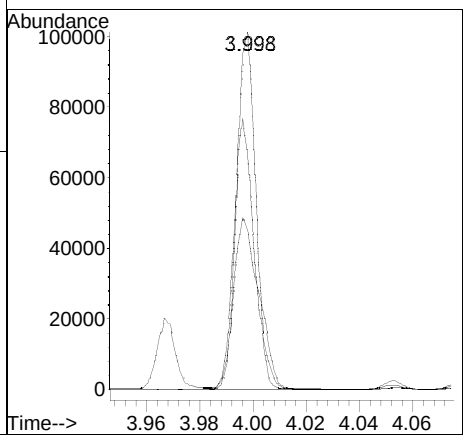


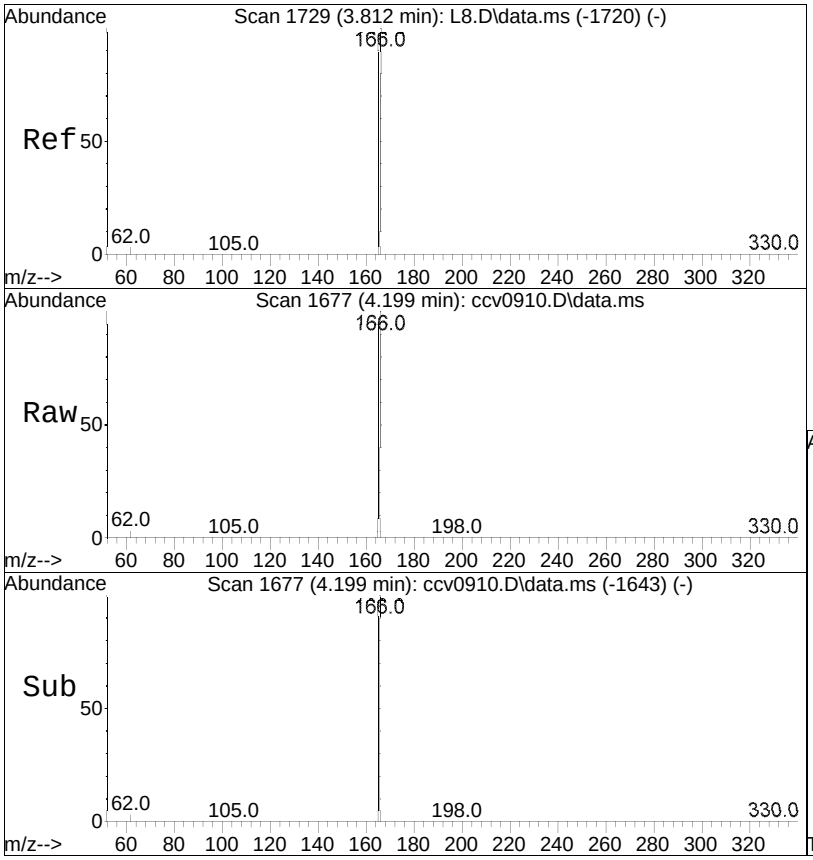


#19
2,4-Dinitrotoluene
Concen: 998.61 ng/ml
RT: 3.998 min Scan# 1581
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:165 Resp: 49309

Ion	Ratio	Lower	Upper
165	100		
89	83.1	65.8	98.6
63	64.6	55.0	82.4

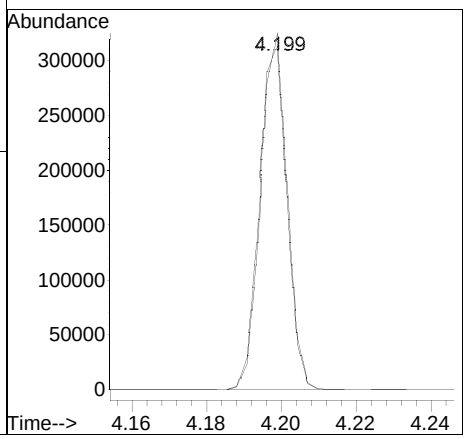


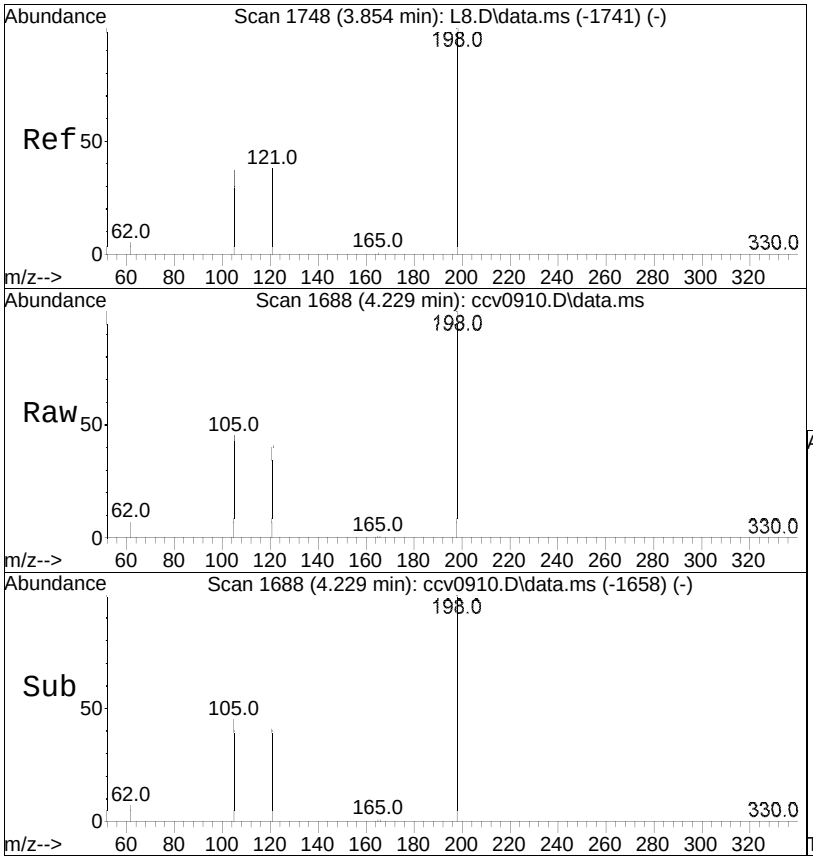


#20
Fluorene
Concen: 940.52 ng/ml
RT: 4.199 min Scan# 1677
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:166 Resp: 159838

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.3	118.9

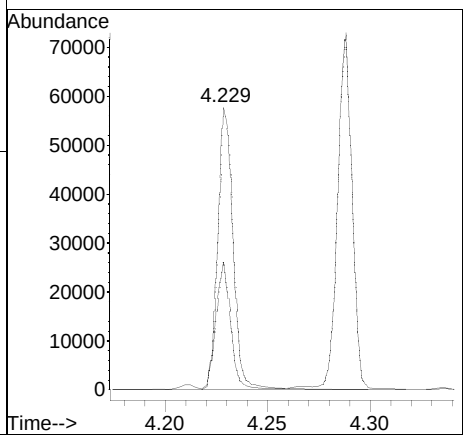


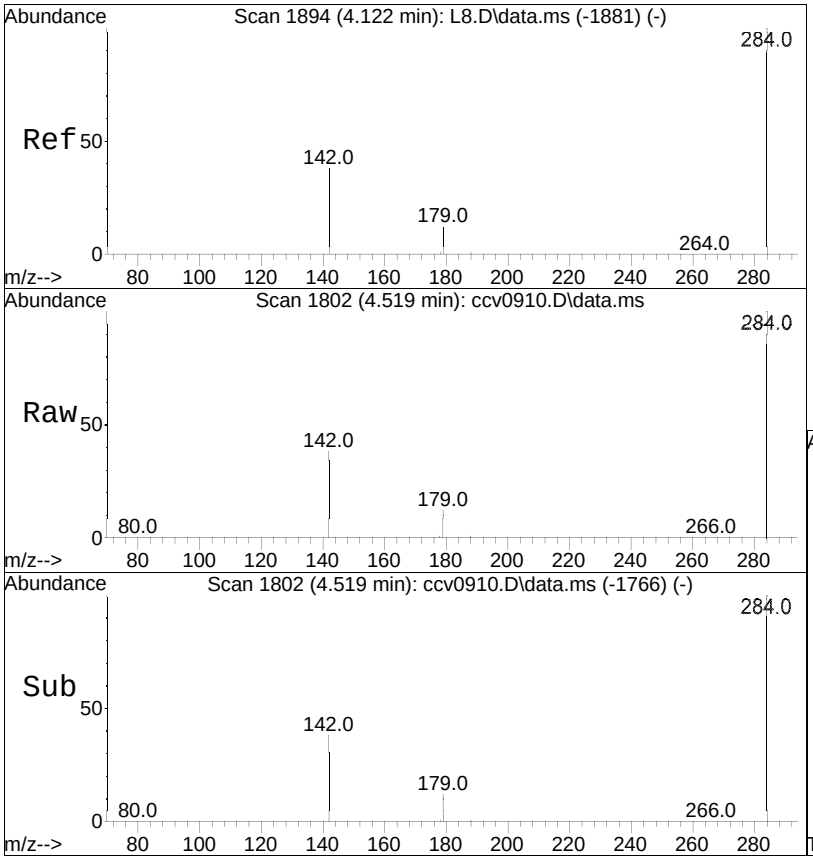


#23
4,6-Dinitro-o-cresol
Concen: 928.43 ng/ml
RT: 4.229 min Scan# 1688
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:198 Resp: 30040

Ion	Ratio	Lower	Upper
198	100		
105	42.1	35.6	53.4

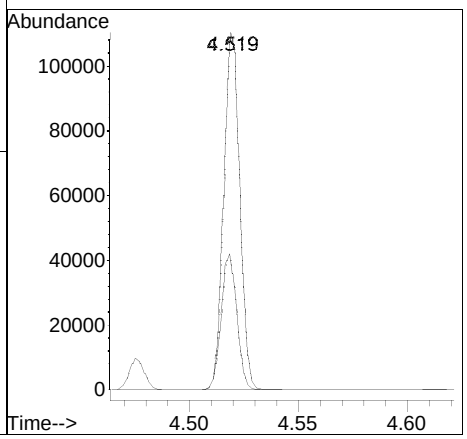


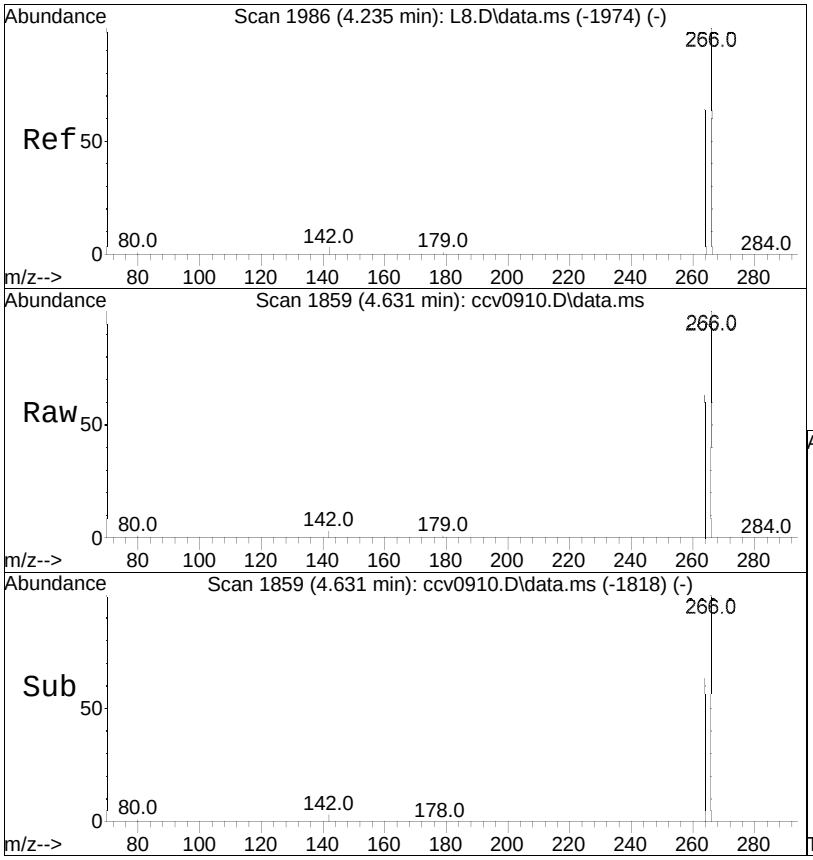


#24
Hexachlorobenzene
Concen: 1024.14 ng/ml
RT: 4.519 min Scan# 1802
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:284 Resp: 55381

Ion	Ratio	Lower	Upper
284	100		
142	37.5	30.0	45.0

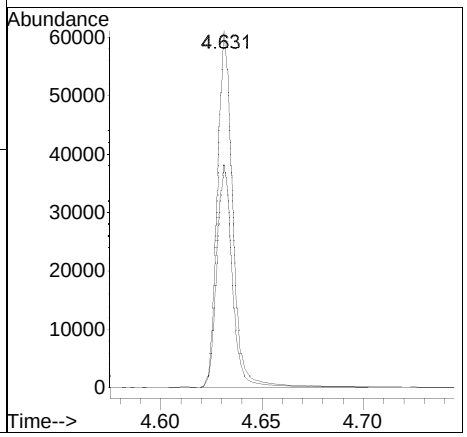


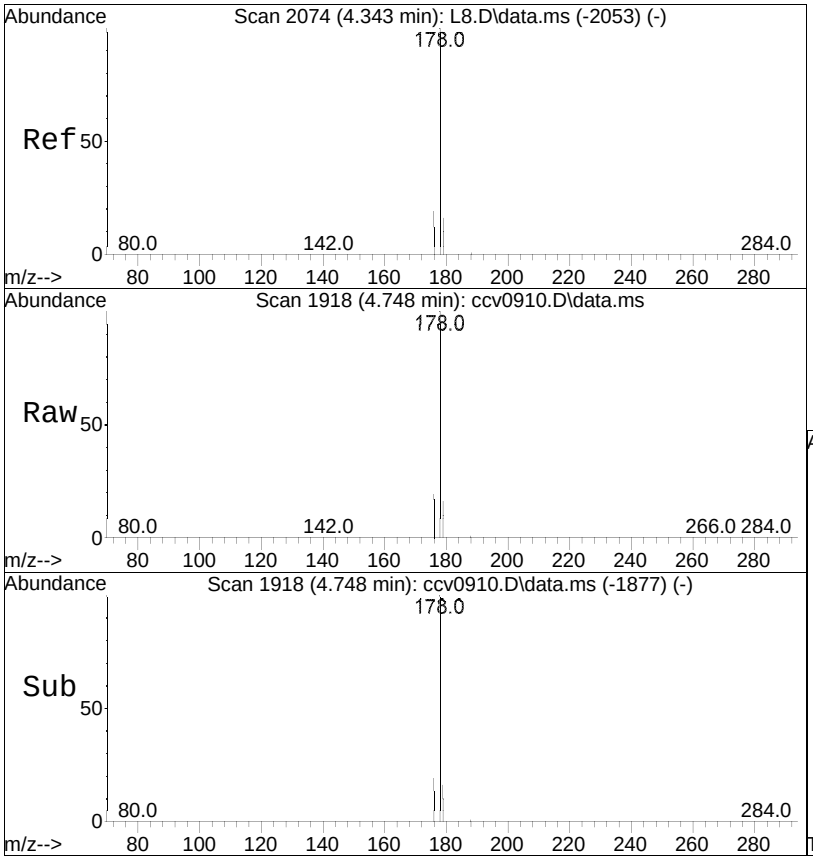


#25
Pentachlorophenol
Concen: 955.17 ng/ml
RT: 4.631 min Scan# 1859
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:266 Resp: 32134

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.9	74.9

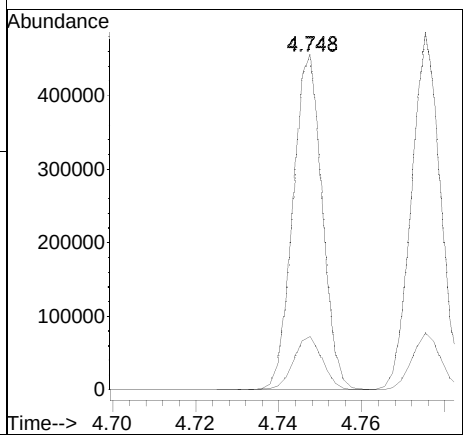


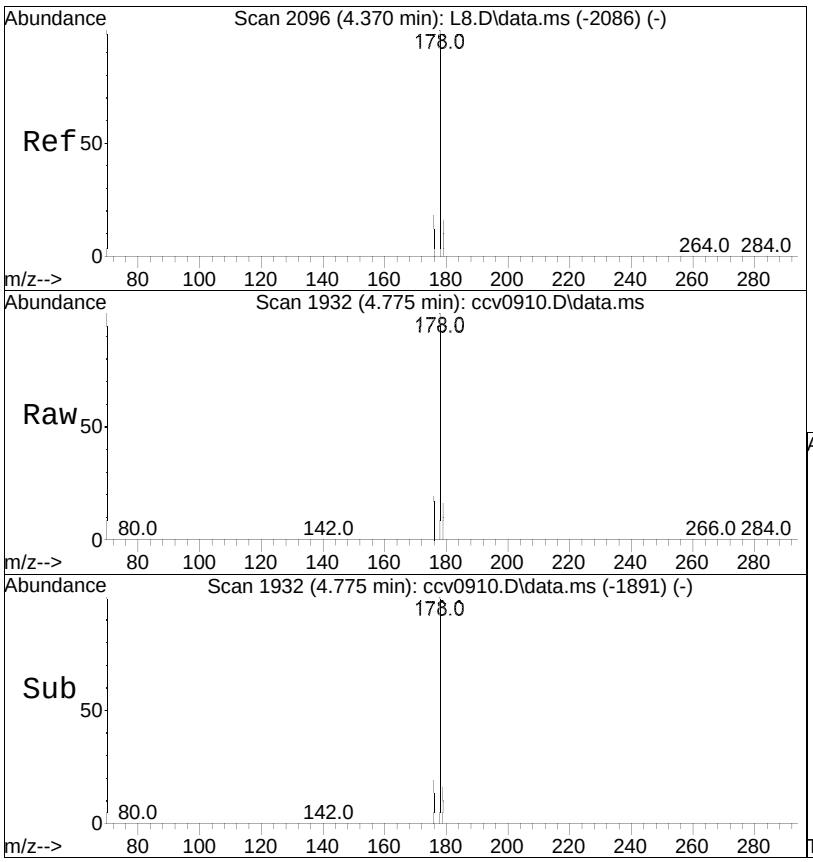


#26
Phenanthrene
Concen: 975.79 ng/ml
RT: 4.748 min Scan# 1918
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:178 Resp: 223412

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8

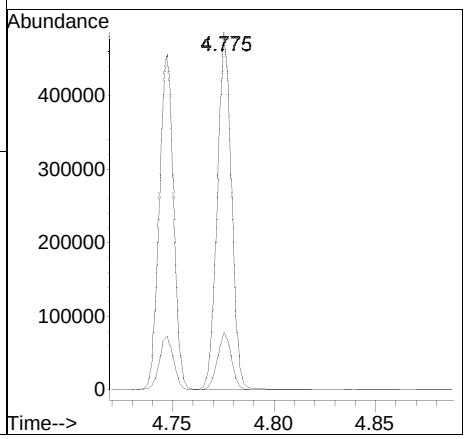


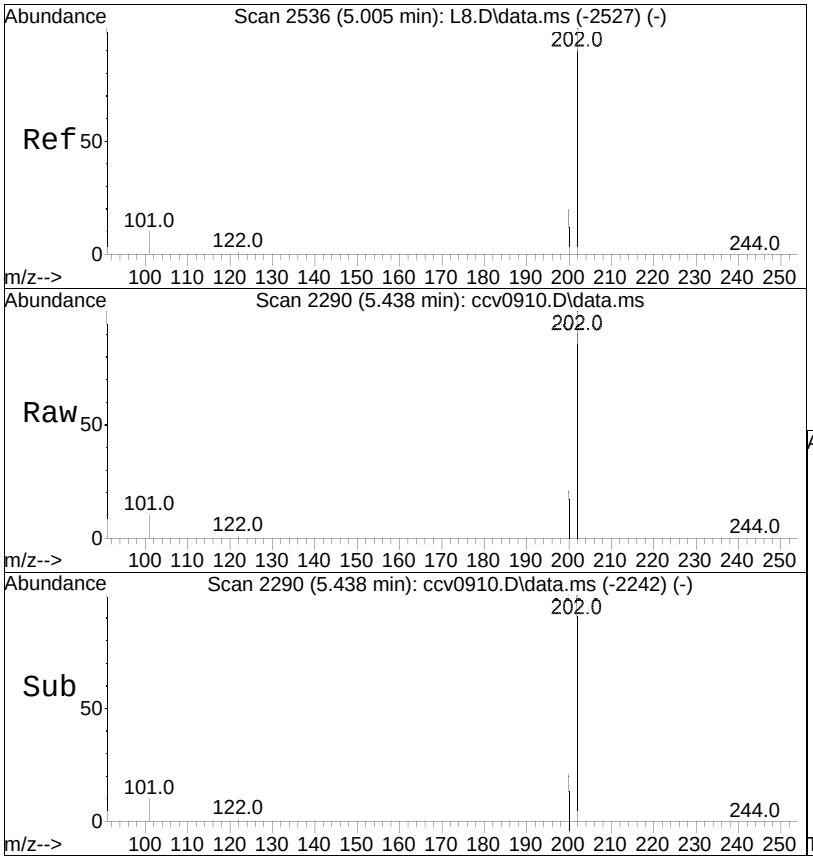


#27
Anthracene
Concen: 1003.78 ng/ml
RT: 4.775 min Scan# 1932
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:178 Resp: 237449

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

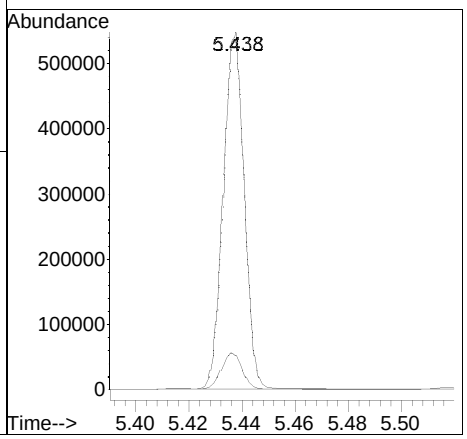


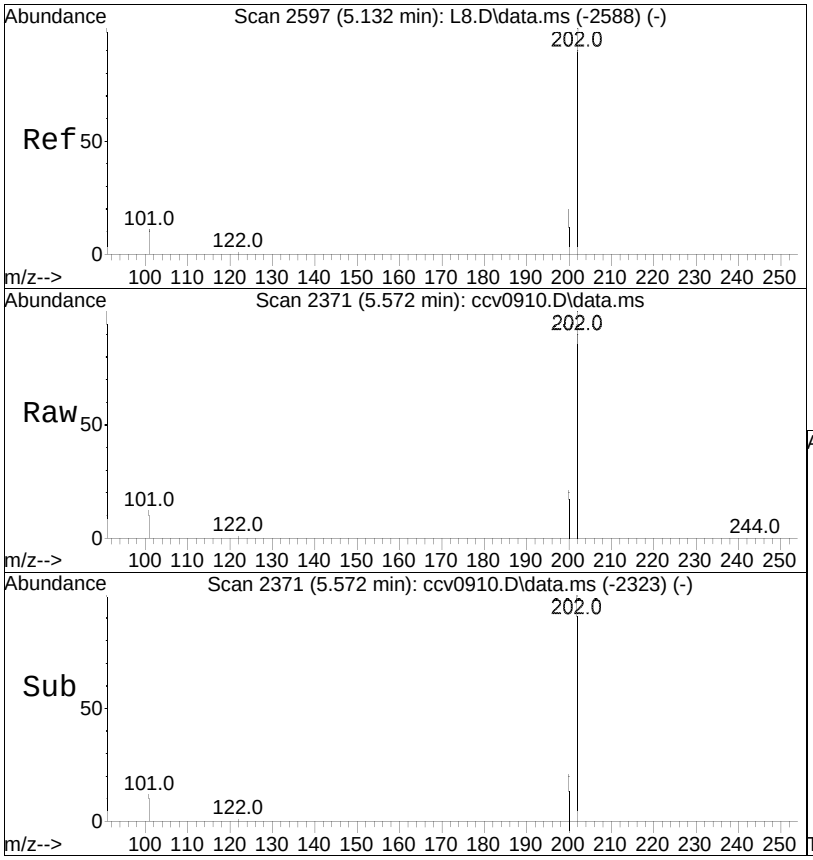


#28
Fluoranthene
Concen: 937.80 ng/ml
RT: 5.438 min Scan# 2290
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:202 Resp: 294826

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.1	12.1

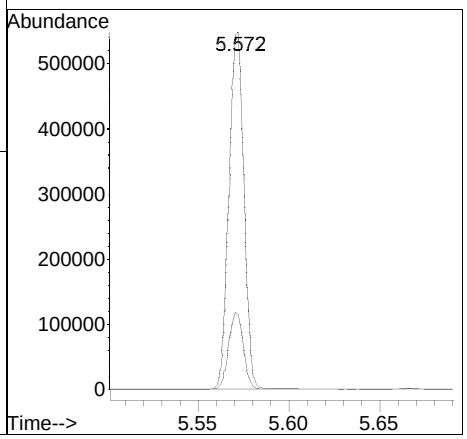


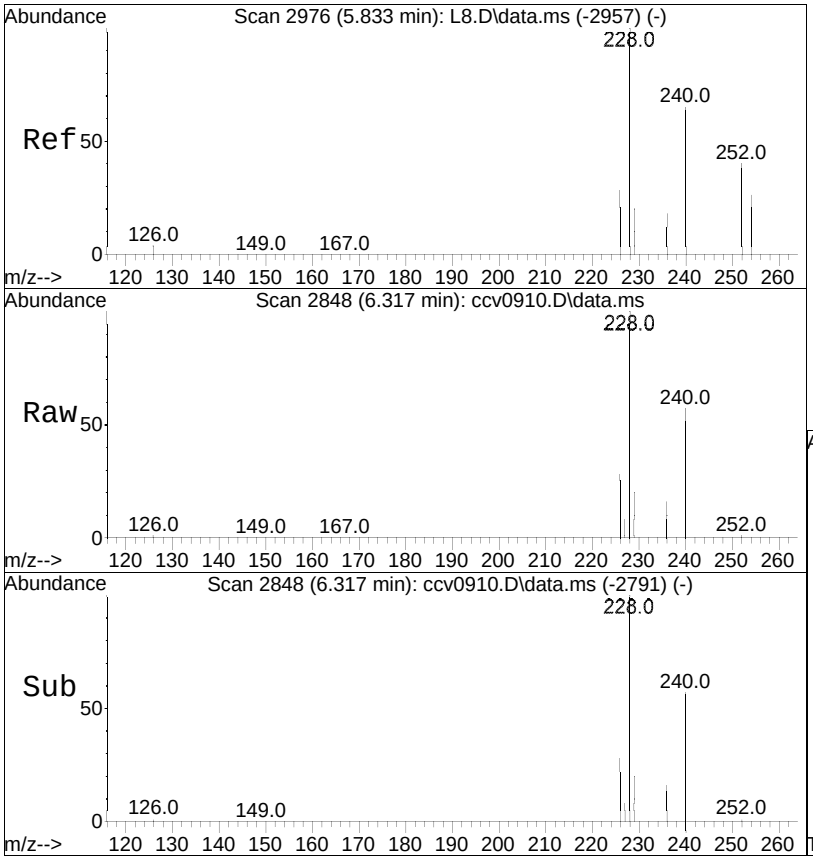


#29
Pyrene
Concen: 944.03 ng/ml
RT: 5.572 min Scan# 2371
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:202 Resp: 307543

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.5	24.7

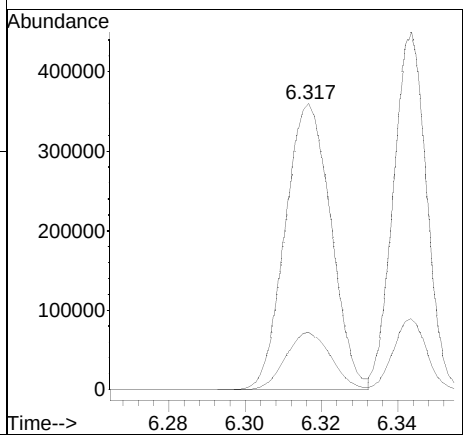


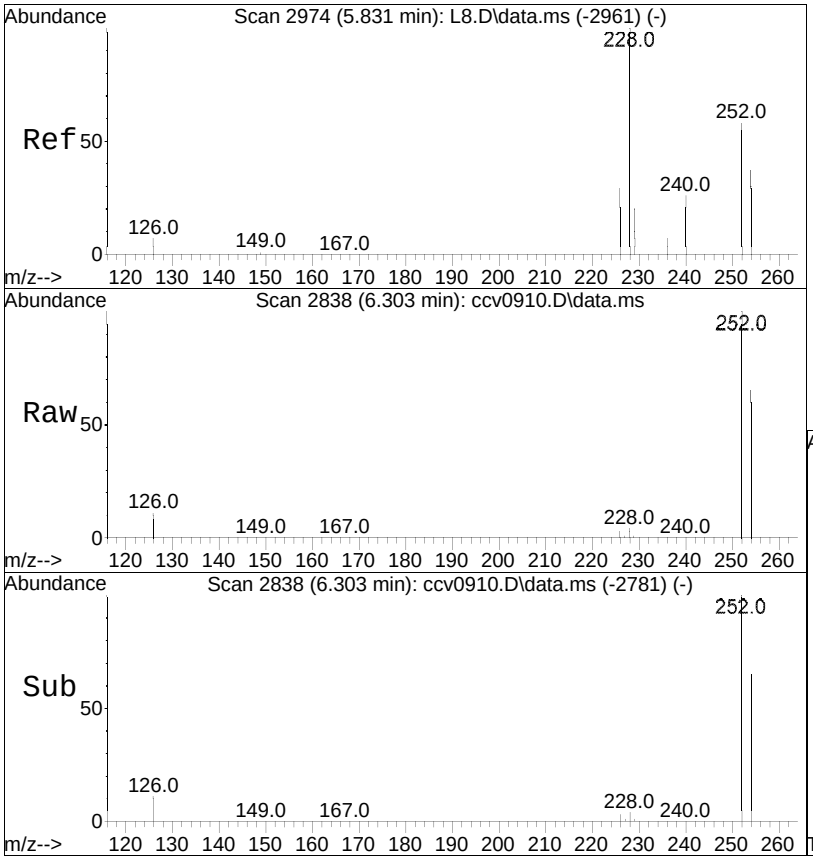


#32
Benzo[a]anthracene
Concen: 1010.13 ng/ml
RT: 6.317 min Scan# 2848
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:228 Resp: 299150

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8

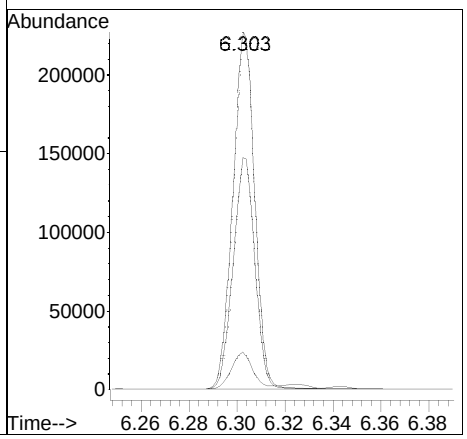


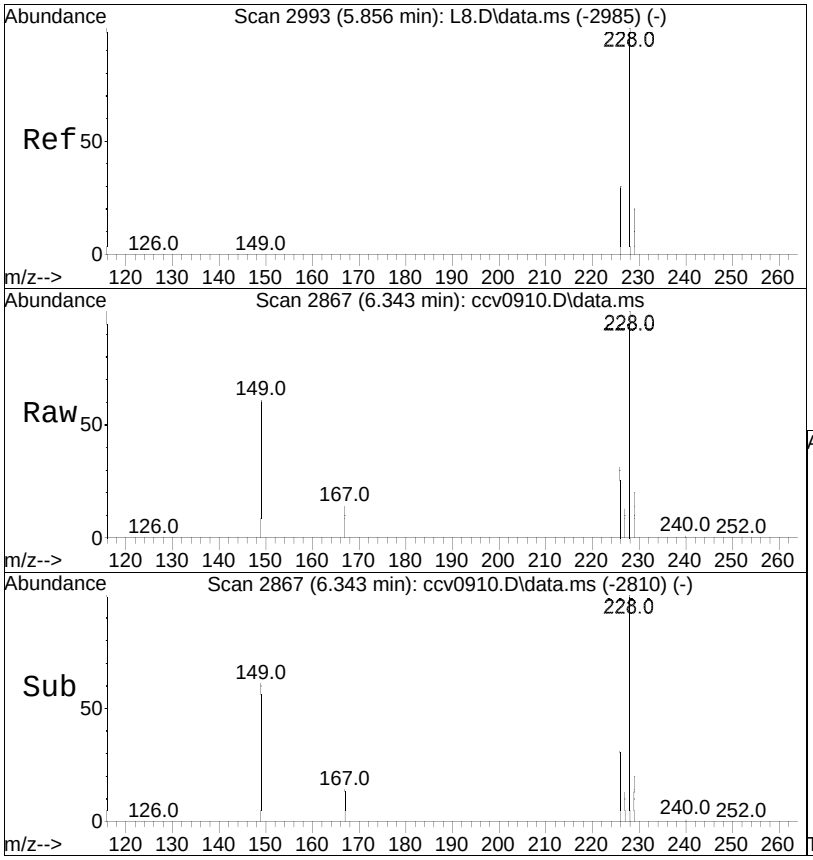


#33
3,3'-Dichlorobenzene
Concen: 1177.64 ng/ml
RT: 6.303 min Scan# 2838
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:252 Resp: 140793

Ion	Ratio	Lower	Upper
252	100		
126	10.5	10.5	15.7
254	65.0	51.4	77.0

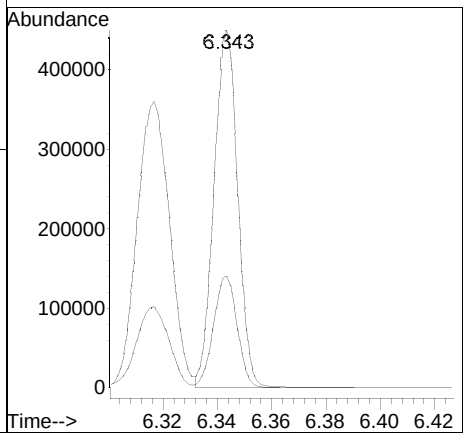


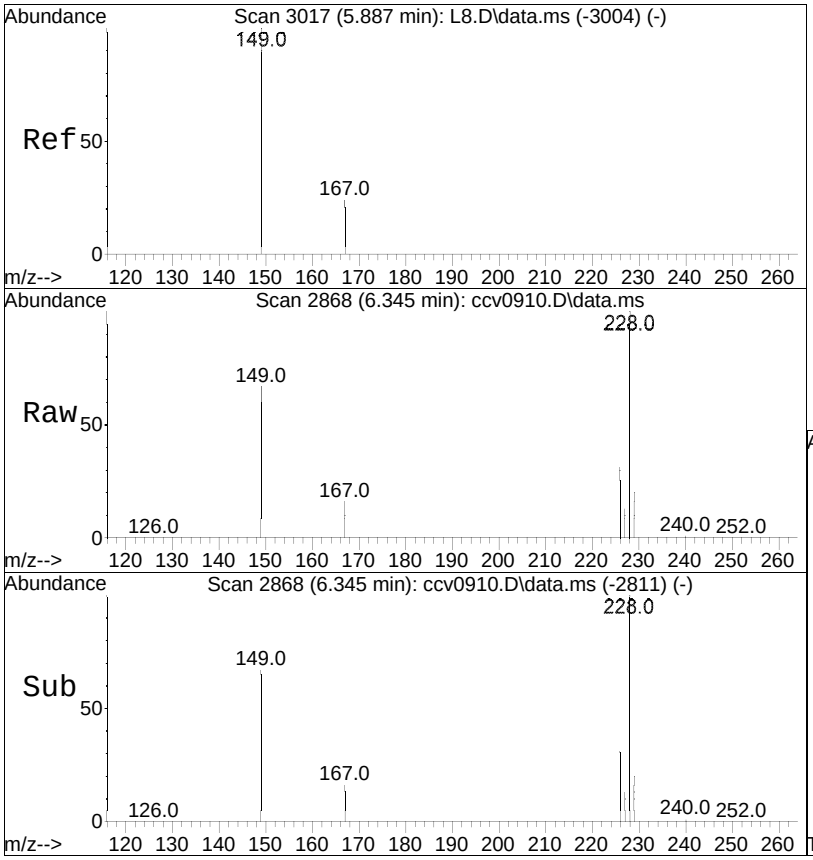


#34
Chrysene
Concen: 932.52 ng/ml
RT: 6.343 min Scan# 2867
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:228 Resp: 271670

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9

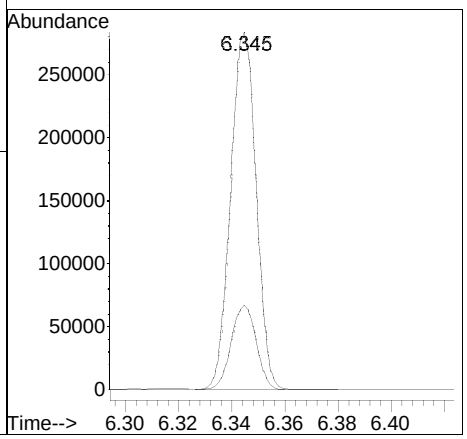


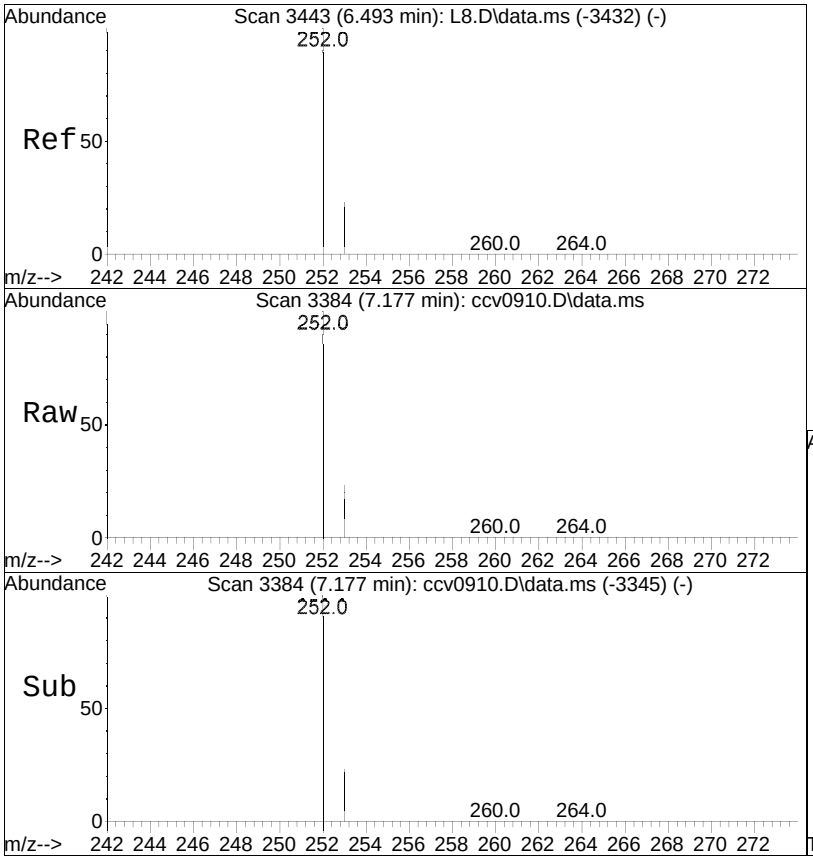


#35
Bis(2-ethylhexyl)phthalate
Concen: 884.03 ng/ml
RT: 6.345 min Scan# 2868
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:149 Resp: 186701

Ion	Ratio	Lower	Upper
149	100		
167	23.5	19.0	28.4

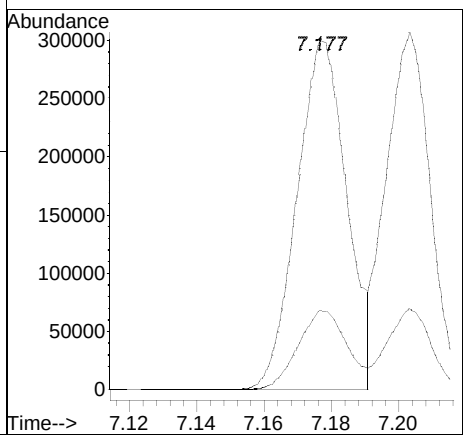


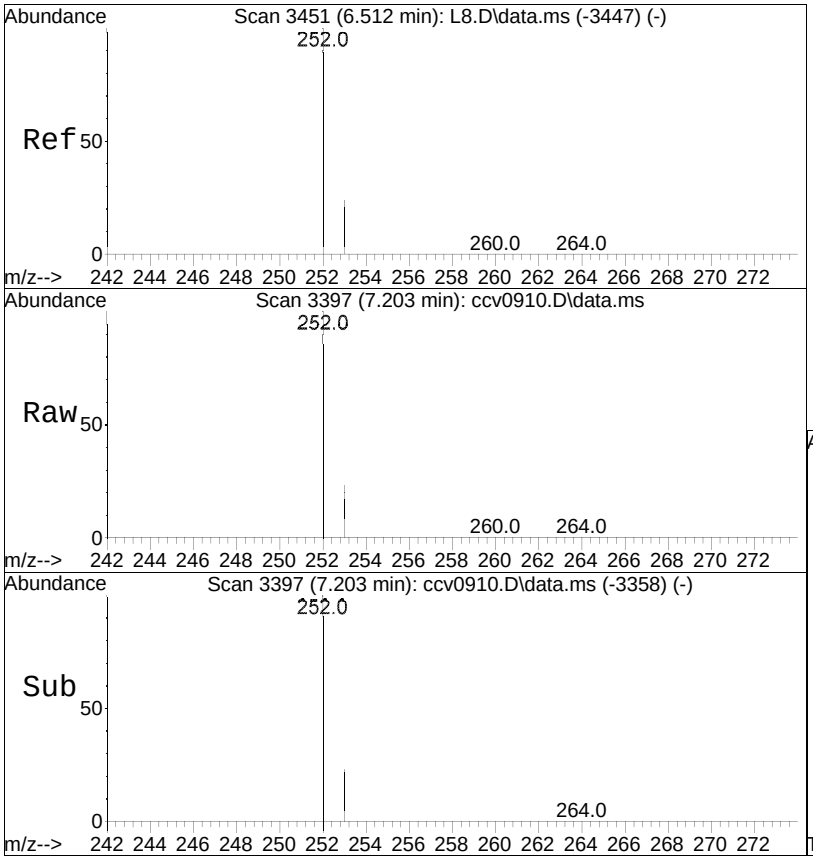


#37
Benzo[b]fluoranthene
Concen: 959.29 ng/ml
RT: 7.177 min Scan# 3384
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:252 Resp: 309235

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0

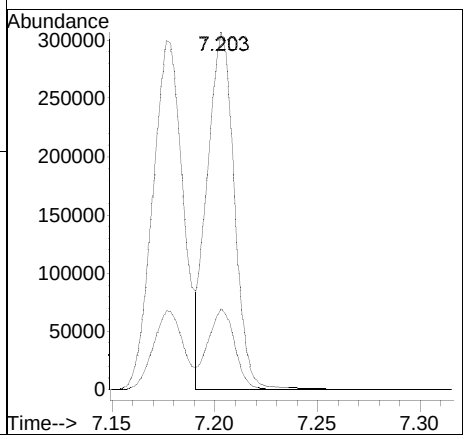


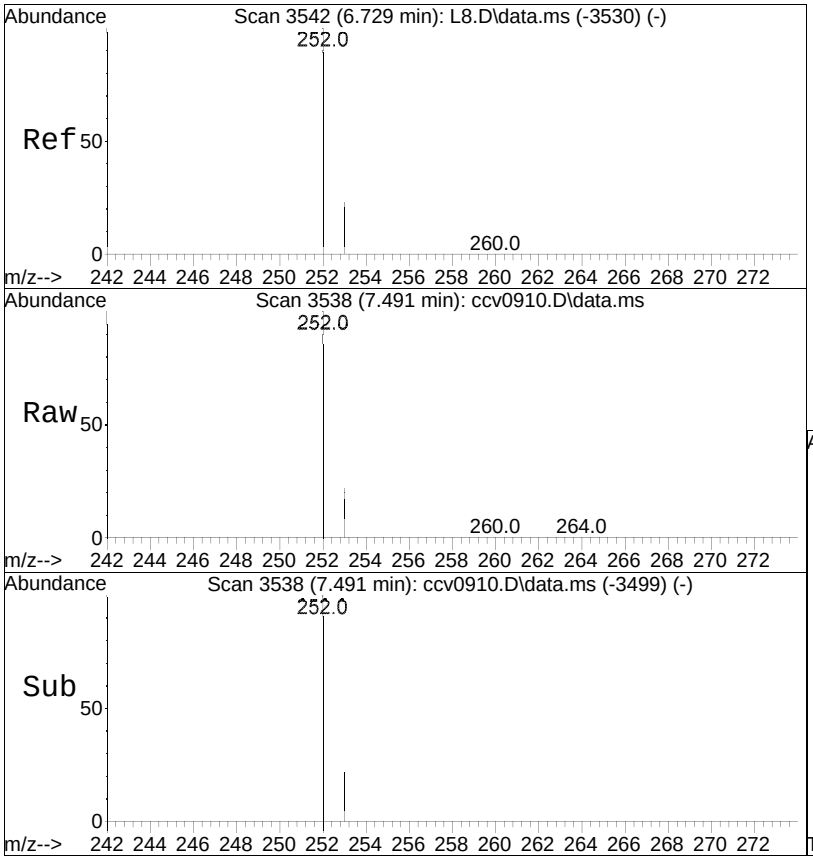


#38
Benzo[k]fluoranthene
Concen: 936.31 ng/ml
RT: 7.203 min Scan# 3397
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:252 Resp: 278839

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5

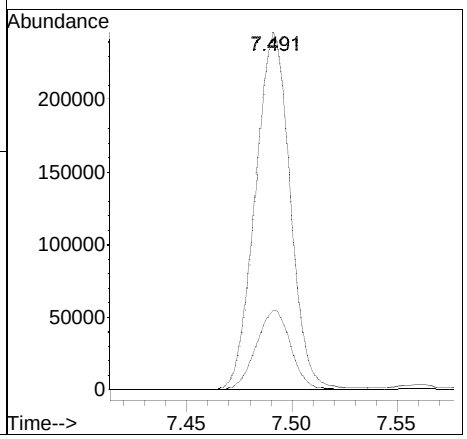


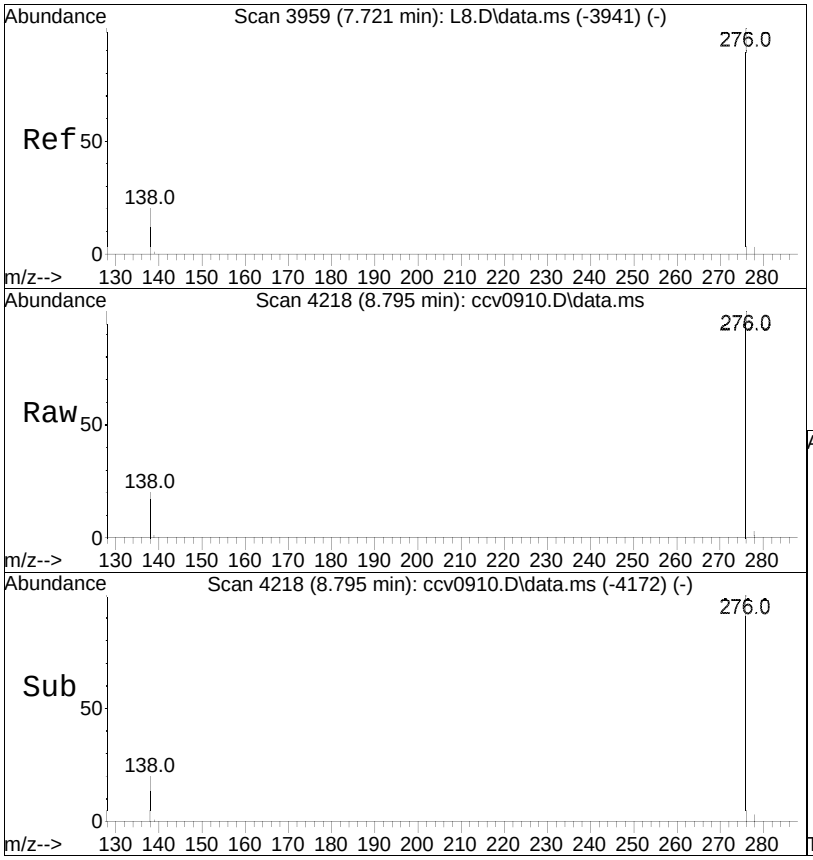


#39
Benzo[a]pyrene
Concen: 983.01 ng/ml
RT: 7.491 min Scan# 3538
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:252 Resp: 280653

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9

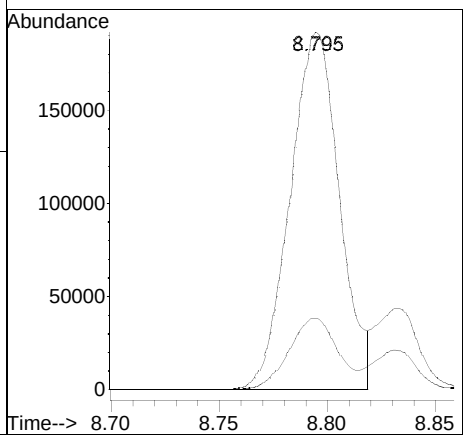


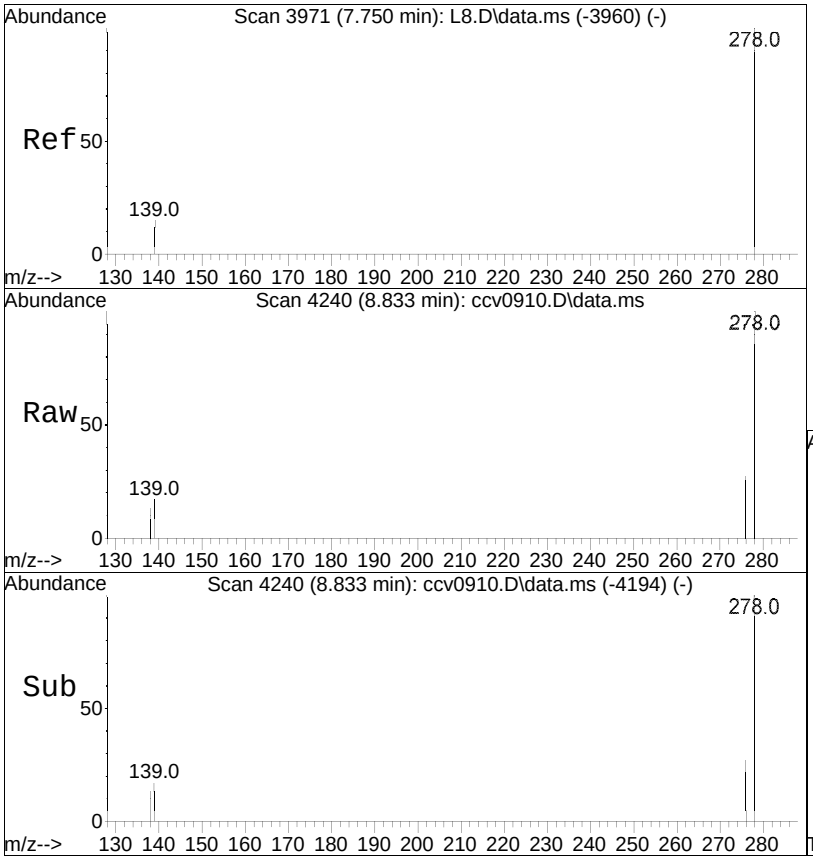


#40
Indeno[1,2,3-cd]pyrene
Concen: 1046.68 ng/ml
RT: 8.795 min Scan# 4218
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:276 Resp: 302084

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.1	22.7

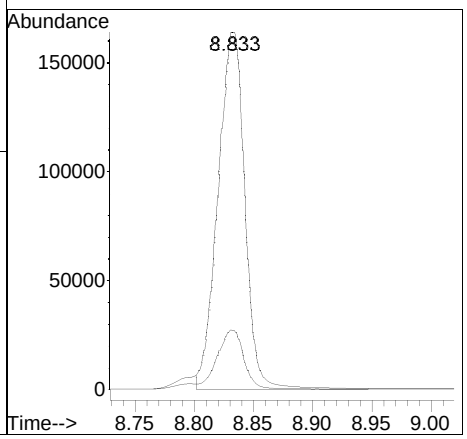


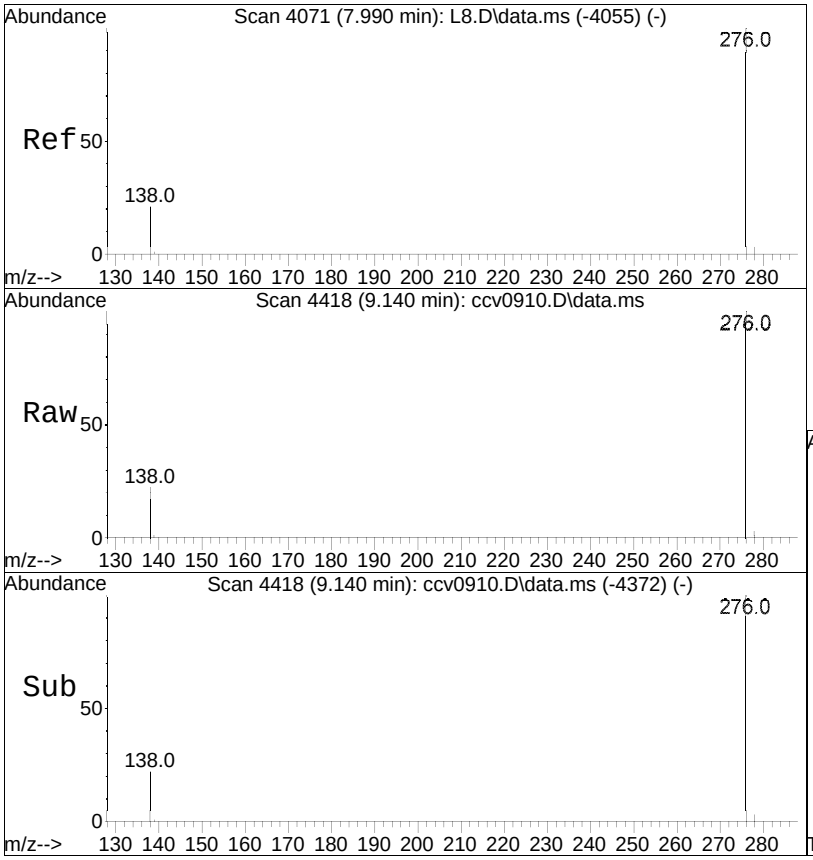


#41
Dibenzo[a,h]anthracene
Concen: 999.34 ng/ml M6
RT: 8.833 min Scan# 4240
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:278 Resp: 256923

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.3	19.9

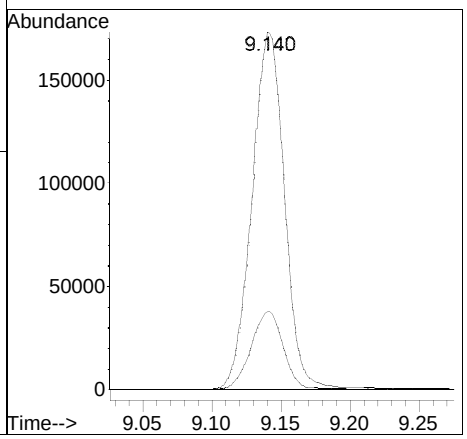




#42
Benzo[g,h,i]perylene
Concen: 983.47 ng/ml
RT: 9.140 min Scan# 4418
Delta R.T. 0.000 min
Lab File: ccv0910.D
Acq: 10 Sep 2024 08:23 am

Tgt Ion:276 Resp: 279191

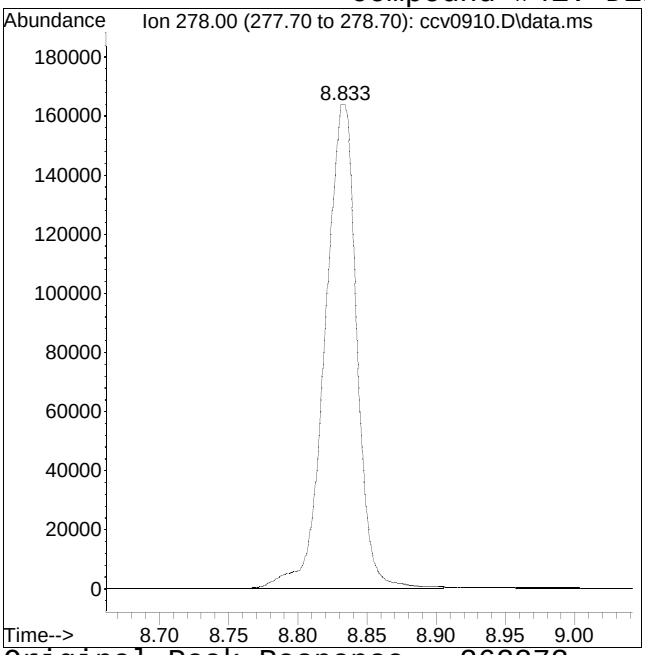
Ion	Ratio	Lower	Upper
276	100		
138	21.9	16.9	25.3



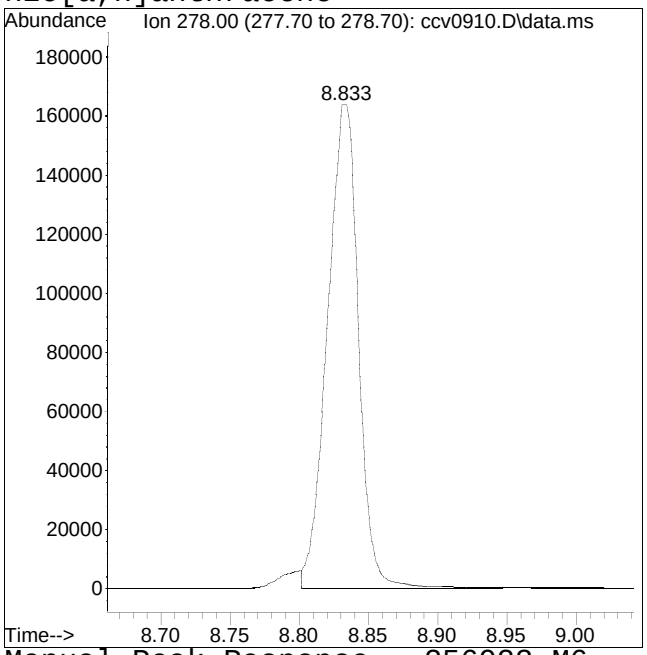
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : ccv0910.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 8:23 am Instrument : SV119
Sample : WG1969638-3,32,,ICV 10884 Quant Date : 9/10/2024 8:44 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 262273



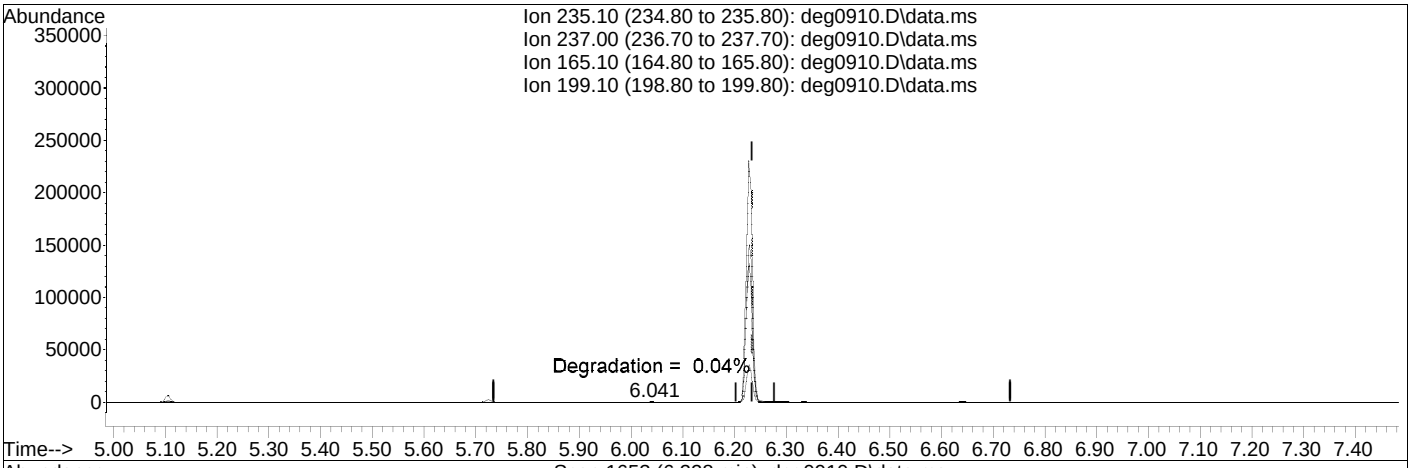
Manual Peak Response = 256923 M6

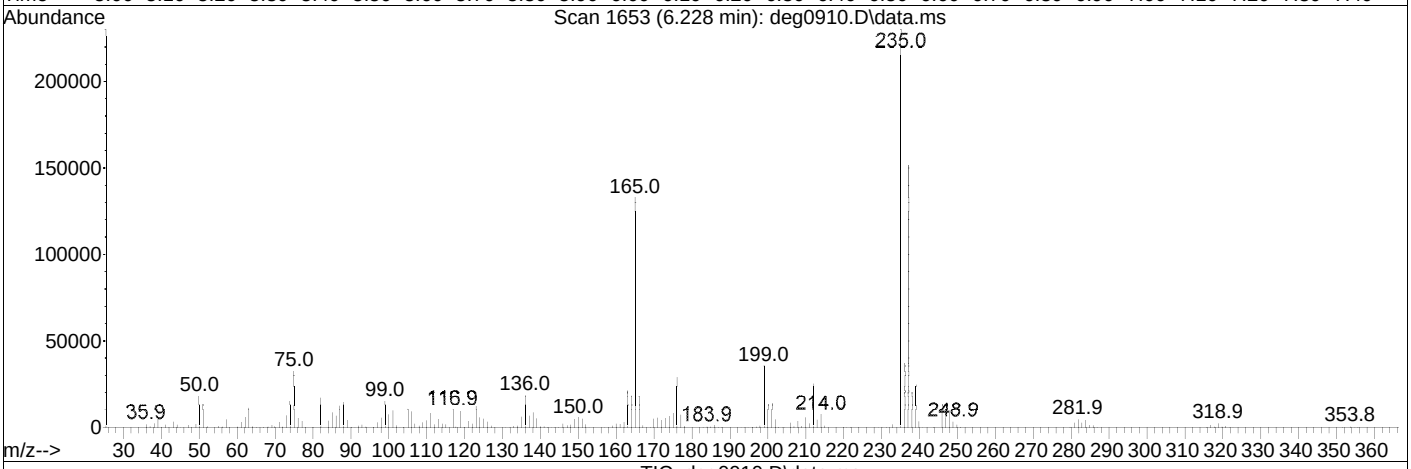
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:04 am
Operator : sv119:jjw
Sample : WG1969638-2,32,,dftpp SV119 lot# 10993
Misc : WG1969638,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:19:48 2024
Quant Method : I:\8270SIM\sv119\240910RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 14:23:31 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0910.D\data.ms

(6) ddt (T)

6.228min (-0.006) 29.77

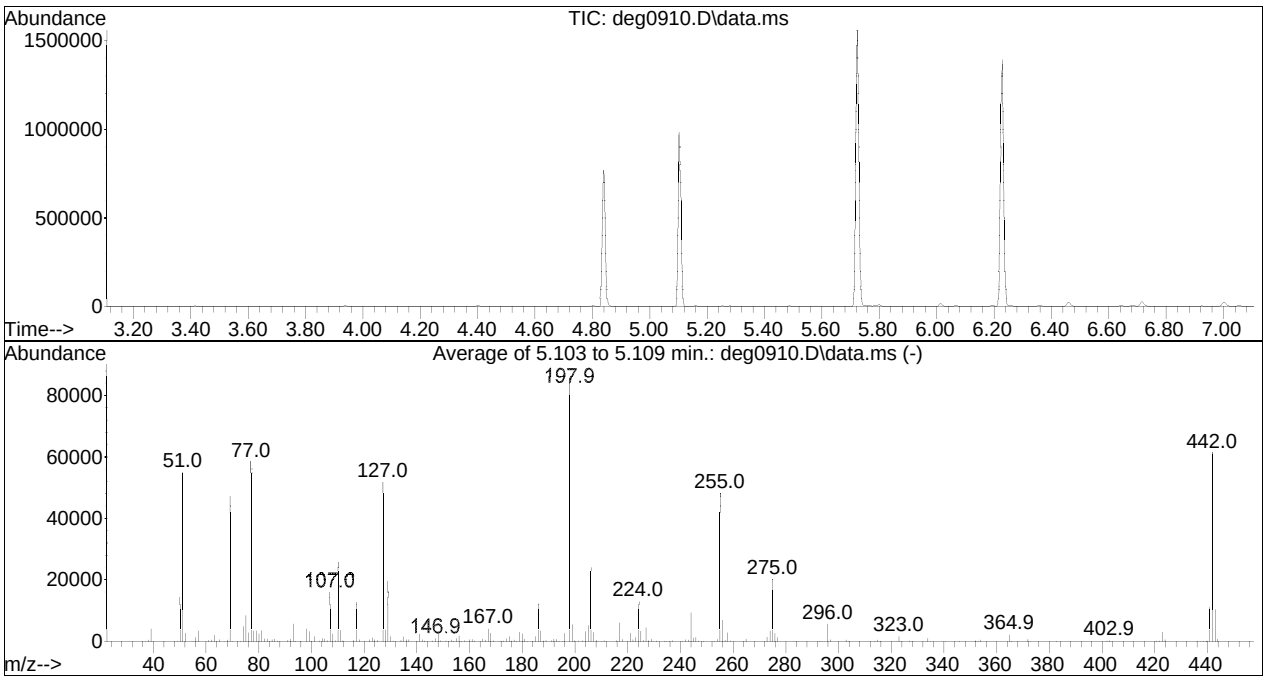
response 181472

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.90
165.10	53.30	56.63
199.10	17.10	15.25

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:04 am
Operator : sv119:jjw
Sample : WG1969638-1,32,,dftpp SV119 lot# 10993
Misc : WG1969638,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\240910RVT\SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Sep 10 08:44:18 2024



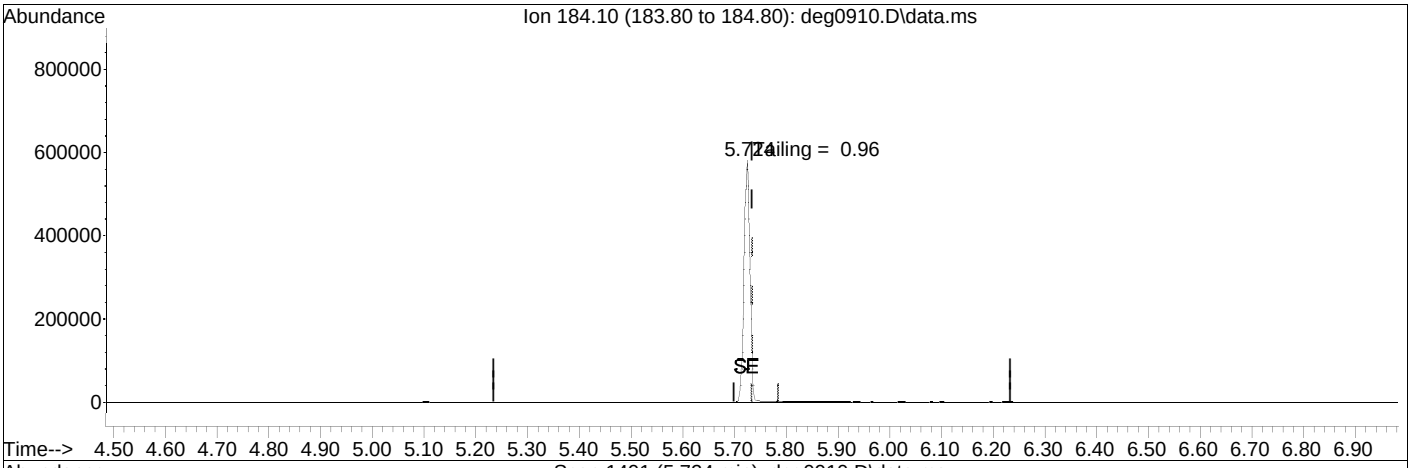
Spectrum Information: Average of 5.103 to 5.109 min.

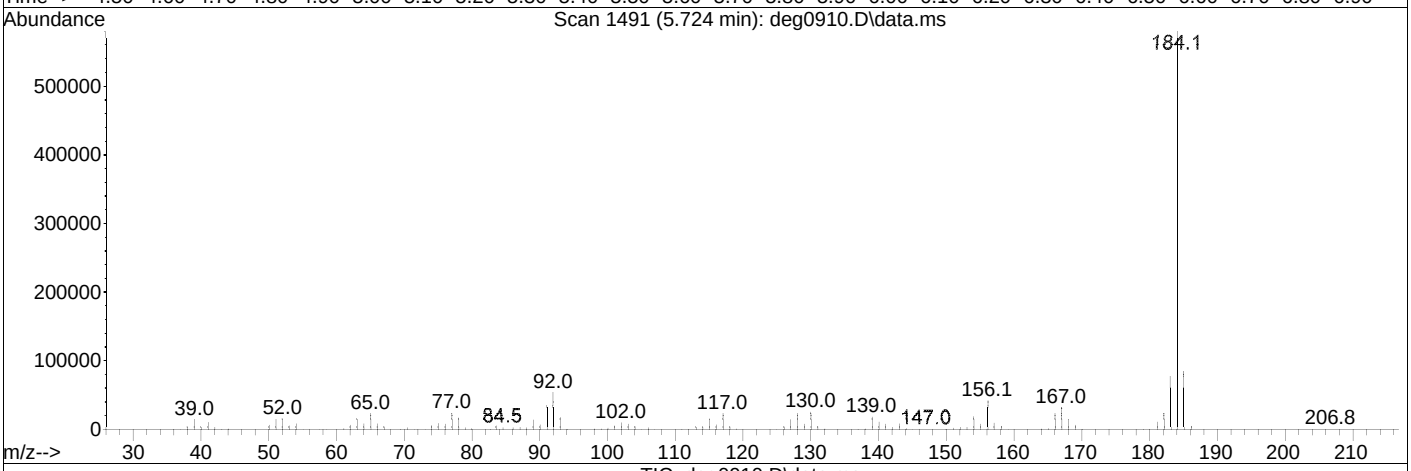
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	64.1	55005	PASS
68	69	0.00	2	1.5	687	PASS
69	69	100	100	100.0	47006	PASS
70	69	0.00	2	0.5	247	PASS
127	198	10	80	60.2	51672	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	85781	PASS
199	198	5	9	6.5	5554	PASS
275	198	10	60	23.6	20285	PASS
365	198	1	100	2.6	2259	PASS
441	442	0.01	24	17.9	10970	PASS
442	198	50	100	71.5	61357	PASS
443	442	15	24	16.8	10326	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:04 am
Operator : sv119:jjw
Sample : WG1969638-4,32,,dftpp SV119 lot# 10993
Misc : WG1969638,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:19:48 2024
Quant Method : I:\8270SIM\sv119\240910RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 14:23:31 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0910.D\data.ms

(3) benzidine (T)

5.724min (-0.010) 43.12

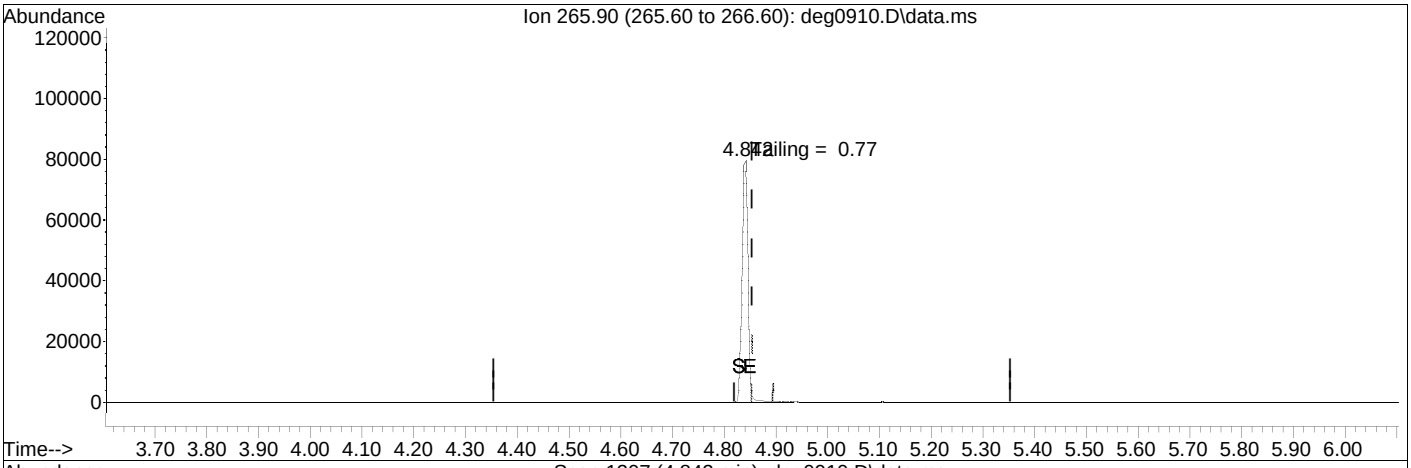
response 438976

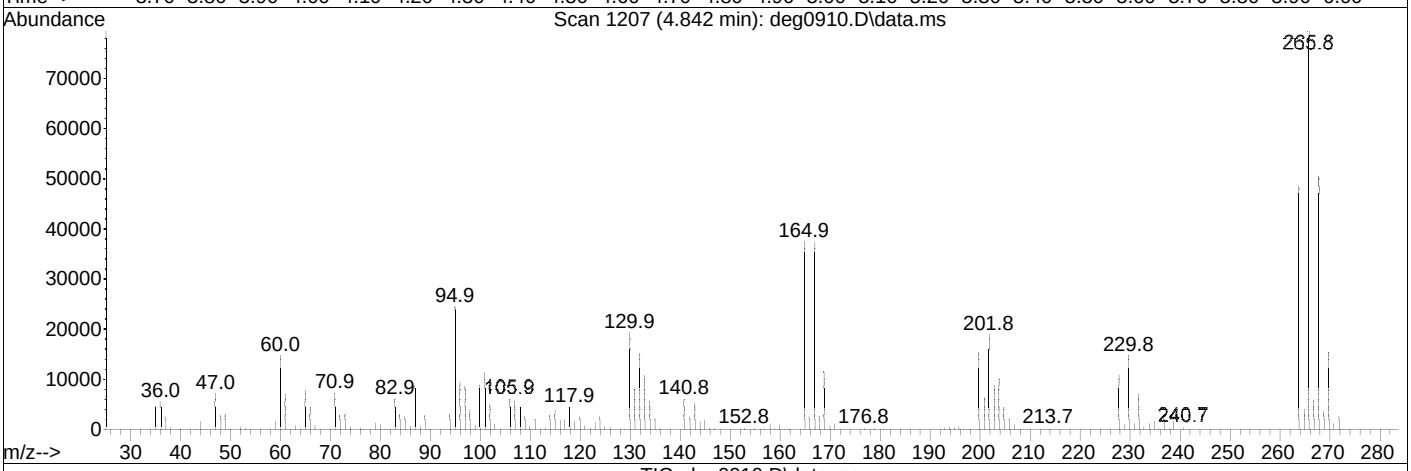
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:04 am
Operator : sv119:jjw
Sample : WG1969638-5,32,,dftpp SV119 lot# 10993
Misc : WG1969638,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:19:48 2024
Quant Method : I:\8270SIM\sv119\240910RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Sep 07 14:23:31 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0910.D\data.ms

(1) pentachlorophenol (T)

4.842min (-0.012) 28.54

response 59939

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 09/10/24 08:23		
Lab File ID	: CCV0910	**Init. Calib. Date(s)**	: 06/21/24	06/21/24	
Sample No	: WG1969638-3	**Init. Calib. Times**	: 14:50	17:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	94	0
2-Fluorophenol	1.411	1.34	.05	5	20	89	0
Phenol-d6	1.78	1.76	.05	1.1	20	89	0
Bis(2-chloroethyl)ether	1.43	1.389	.05	2.9	20	91	0
n-nitrosodi-n-propylamine	1.088	1.034	.05	5	20	84	0
Hexachloroethane	0.664	0.62	.05	6.6	20	90	0
Nitrobenzene-d5	1.561	1.478	.05	5.3	20	85	0
Naphthalene-d8	1	1	.05	0	20	93	0
Naphthalene	1.104	1.03	.05	6.7	20	88	0
Hexachlorobutadiene	0.248	0.215	.05	13.3	20	84	0
2-Methylnaphthalene	0.83	0.783	.05	5.7	20	86	0
1-Methylnaphthalene	0.802	0.704	.05	12.2	20	85	0
2-Fluorobiphenyl	1.034	0.919	.05	11.1	20	87	0
2-Chloronaphthalene	0.894	0.817	.05	8.6	20	86	0
2,6-Dinitrotoluene	0.241	0.221	.05	8.3	20	80	0
Acenaphthylene	1.429	1.24	.05	13.2	20	82	0
Acenaphthene-d10	1	1	.05	0	20	87	0
Acenaphthene	1.396	1.369	.05	1.9	20	86	0
2,4-Dinitrotoluene	0.535	0.534	.05	0.2	20	78	0
Fluorene	1.84	1.731	.05	5.9	20	84	0
2,4,6-Tribromophenol	0.279	0.277	.05	0.7	20	78	0
Phenanthrene-d10	1	1	.05	0	20	77	0
4,6-Dinitro-o-cresol	1000	928.433	.05	7.2	20	72	0
Hexachlorobenzene	0.275	0.281	.05	-2.2	20	83	0
Pentachlorophenol	1000	955.168	.05	4.5	20	70	0
Phenanthrene	1.163	1.135	.05	2.4	20	78	0
Anthracene	1.201	1.206	.05	-0.4	20	77	0
Fluoranthene	1.597	1.497	.05	6.3	20	77	0
Pyrene	1.655	1.562	.05	5.6	20	78	0
4-Terphenyl-d14	1.106	0.866	.05	21.7*	20	65	0
Chrysene-d12	1	1	.05	0	20	81	0
Benzo[a]anthracene	1000	1010.131	.05	-1	20	77	0
3,3'-Dichlorobenzene	0.611	0.719	.05	-17.7	20	88	0
Chrysene	1.489	1.388	.05	6.8	20	74	0
Bis(2-ethylhexyl)phthalate	1000	884.03	.05	11.6	20	71	0
Perylene-d12	1	1	.05	0	20	79	0
Benzo[b]fluoranthene	1.657	1.589	.05	4.1	20	78	0
Benzo[k]fluoranthene	1.531	1.433	.05	6.4	20	81	0
Benzo[a]pyrene	1.467	1.442	.05	1.7	20	80	0
Indeno[1,2,3-cd]pyrene	1.483	1.553	.05	-4.7	20	83	0
Dibenzo[a,h]anthracene	1.321	1.32	.05	0.1	20	81	0
Benzo[g,h,i]perylene	1.459	1.435	.05	1.6	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV120	**Calibration Date**	: 09/10/24 08:50		
Lab File ID	: CCV0910A	**Init. Calib. Date(s)**	: 07/28/24	07/28/24	
Sample No	: WG1969644-3	**Init. Calib. Times**	: 16:50	19:15	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	83	0
2-Fluorophenol	1.188	1.262	.05	-6.2	20	89	0
Phenol-d6	1.445	1.595	.05	-10.4	20	92	0
Bis(2-chloroethyl)ether	1.315	1.281	.05	2.6	20	85	0
n-nitrosodi-n-propylamine	0.87	0.949	.05	-9.1	20	89	0
Hexachloroethane	0.561	0.541	.05	3.6	20	81	0
Nitrobenzene-d5	1.176	1.376	.05	-17	20	94	0
Naphthalene-d8	1	1	.05	0	20	85	0
Naphthalene	1.149	1.02	.05	11.2	20	81	0
Hexachlorobutadiene	0.197	0.188	.05	4.6	20	84	0
2-Methylnaphthalene	0.729	0.709	.05	2.7	20	84	0
1-Methylnaphthalene	0.68	0.645	.05	5.1	20	83	0
2-Fluorobiphenyl	0.862	0.816	.05	5.3	20	84	0
2-Chloronaphthalene	0.741	0.696	.05	6.1	20	82	0
2,6-Dinitrotoluene	1000	1059.016	.05	-5.9	20	96	0
Acenaphthylene	1.063	1.078	.05	-1.4	20	83	0
Acenaphthene-d10	1	1	.05	0	20	86	0
Acenaphthene	1.442	1.282	.05	11.1	20	81	0
2,4-Dinitrotoluene	1000	1062.706	.05	-6.3	20	97	0
Fluorene	1.598	1.46	.05	8.6	20	82	0
2,4,6-Tribromophenol	0.22	0.214	.05	2.7	20	77	0
Phenanthrene-d10	1	1	.05	0	20	82	0
4,6-Dinitro-o-cresol	1000	1237.418	.05	-23.7*	20	106	0
Hexachlorobenzene	0.28	0.246	.05	12.1	20	76	0
Pentachlorophenol	1000	1077.769	.05	-7.8	20	92	0
Phenanthrene	1.188	1.114	.05	6.2	20	80	0
Anthracene	1.146	1.128	.05	1.6	20	80	0
Fluoranthene	1.283	1.336	.05	-4.1	20	85	0
Pyrene	1.337	1.416	.05	-5.9	20	86	0
4-Terphenyl-d14	0.838	0.905	.05	-8	20	91	0
Chrysene-d12	1	1	.05	0	20	93	0
Benzo[a]anthracene	1000	913.724	.05	8.6	20	86	0
3,3'-Dichlorobenzene	1000	998.61	.05	0.1	20	100	0
Chrysene	1.455	1.299	.05	10.7	20	85	0
Bis(2-ethylhexyl)phthalate	1000	927.98	.05	7.2	20	89	0
Perylene-d12	1	1	.05	0	20	96	0
Benzo[b]fluoranthene	1.35	1.368	.05	-1.3	20	98	0
Benzo[k]fluoranthene	1.272	1.27	.05	0.2	20	87	0
Benzo[a]pyrene	1.08	1.19	.05	-10.2	20	97	0
Indeno[1,2,3-cd]pyrene	1.012	1.262	.05	-24.7*	20	114	0
Dibenzo[a,h]anthracene	0.95	1.155	.05	-21.6*	20	106	0
Benzo[g,h,i]perylene	1.034	1.134	.05	-9.7	20	99	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : ccv0910a.D
Acq On : 10 Sep 2024 08:50 am
Operator : SV120:jjw
Sample : WG1969644-3,32,,ICV 10884 (0825a)
Misc : WG1969644,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 09:10:44 2024
Quant Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:26 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
2	s	2-Fluorophenol	1.188	1.262	-6.2	89	0.00
3	s	Phenol-d6	1.445	1.595	-10.4	92	0.00
4	T	Bis(2-chloroethyl)ether	1.315	1.281	2.6	85	0.00
5	T	n-nitrosodi-n-propylamine	0.870	0.949	-9.1	89	0.00
6	t	Hexachloroethane	0.561	0.541	3.6	81	0.00
7	s	Nitrobenzene-d5	1.176	1.376	-17.0	94	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	85	0.00
9	t	Naphthalene	1.149	1.020	11.2	81	0.00
10	t	Hexachlorobutadiene	0.197	0.188	4.6	84	0.00
11	t	2-Methylnaphthalene	0.729	0.709	2.7	84	0.00
12	t	1-Methylnaphthalene	0.680	0.645	5.1	83	0.00
13	s	2-Fluorobiphenyl	0.862	0.816	5.3	84	0.00
14	t	2-Chloronaphthalene	0.741	0.696	6.1	82	0.00
15	t	2,6-Dinitrotoluene	*1000.000	1059.016	-5.9	96	0.00
16	t	Acenaphthylene	1.063	1.078	-1.4	83	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
18	t	Acenaphthene	1.442	1.282	11.1	81	0.00
19	t	2,4-Dinitrotoluene	*1000.000	1062.706	-6.3	97	0.00
20	t	Fluorene	1.598	1.460	8.6	82	0.00
21	s	2,4,6-Tribromophenol	0.220	0.214	2.7	77	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	1237.418	-23.7#	106	0.00
24	t	Hexachlorobenzene	0.280	0.246	12.1	76	0.00
25	t	Pentachlorophenol	*1000.000	1077.769	-7.8	92	0.00
26	t	Phenanthrene	1.188	1.114	6.2	80	0.00
27	t	Anthracene	1.146	1.128	1.6	80	0.00
28	t	Fluoranthene	1.283	1.336	-4.1	85	0.00
29	t	Pyrene	1.337	1.416	-5.9	86	0.00
30	s	4-Terphenyl-d14	0.838	0.905	-8.0	91	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	93	0.00
32	t	Benzo[a]anthracene	*1000.000	913.724	8.6	86	0.00
33	t	3,3'-Dichlorobenzene	*1000.000	998.610	0.1	100	0.00
34	t	Chrysene	1.455	1.299	10.7	85	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	927.980	7.2	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : ccv0910a.D
Acq On : 10 Sep 2024 08:50 am
Operator : SV120:jjw
Sample : WG1969644-3,32,,ICV 10884 (0825a)
Misc : WG1969644,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 09:10:44 2024
Quant Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:26 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	96	0.00
37	t	Benzo[b]fluoranthene	1.350	1.368	-1.3	98	0.00
38	t	Benzo[k]fluoranthene	1.272	1.270	0.2	87	0.00
39	t	Benzo[a]pyrene	1.080	1.190	-10.2	97	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.012	1.262	-24.7#	114	0.00
41	t	Dibenzo[a,h]anthracene	0.950	1.155	-21.6#	106	0.00
42	t	Benzo[g,h,i]perylene	1.034	1.134	-9.7	99	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : ccv0910a.D
Acq On : 10 Sep 2024 08:50 am
Operator : SV120:jjw
Sample : WG1969644-3,32,,ICV 10884 (0825a)
Misc : WG1969644,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 09:10:44 2024
Quant Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.112	152	275803	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.766	136	1097676	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.732	164	627546	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.558	188	1228056	4000.000	ng/ml	0.00
31) Chrysene-d12	6.101	240	1204331	4000.000	ng/ml	0.00
36) Perylene-d12	7.152	264	1217989	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.549	112	87029	1062.339	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.12%			
3) Phenol-d6	1.936	99	109958	1103.412	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.17%			
7) Nitrobenzene-d5	2.387	82	94864	1169.643	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 116.96%			
13) 2-Fluorobiphenyl	3.357	172	223881	946.465	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.65%			
21) 2,4,6-Tribromophenol	4.171	330	33623	973.190	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.66%			
30) 4-Terphenyl-d14	5.470	244	277942	1080.701	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 54.04%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.983	93	88329	974.141	ng/ml	88
5) n-nitrosodi-n-propylamine	2.312	70	65430	1090.577	ng/ml	100
6) Hexachloroethane	2.365	117	37330	964.840	ng/ml	95
9) Naphthalene	2.776	128	279922	888.065	ng/ml#	100
10) Hexachlorobutadiene	2.849	225	51650	953.944	ng/ml	100
11) 2-Methylnaphthalene	3.152	142	194628	972.787	ng/ml	99
12) 1-Methylnaphthalene	3.205	142	177090	948.482	ng/ml	99
14) 2-Chloronaphthalene	3.420	162	190876	938.966	ng/ml	100
15) 2,6-Dinitrotoluene	3.618	165	47540	1059.016	ng/ml	95
16) Acenaphthylene	3.648	152	295953	1014.120	ng/ml	100
18) Acenaphthene	3.748	153	201092	888.584	ng/ml	96
19) 2,4-Dinitrotoluene	3.840	165	65516	1062.706	ng/ml	92
20) Fluorene	4.033	166	229108	913.601	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.067	198	36077	1237.418	ng/ml	100
24) Hexachlorobenzene	4.349	284	75563	877.542	ng/ml	96
25) Pentachlorophenol	4.460	266	43167	1077.769	ng/ml	100
26) Phenanthrene	4.569	178	342062	938.025	ng/ml	100
27) Anthracene	4.597	178	346460	984.762	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : ccv0910a.D
Acq On : 10 Sep 2024 08:50 am
Operator : SV120:jjw
Sample : WG1969644-3,32,,ICV 10884 (0825a)
Misc : WG1969644,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 09:10:44 2024
Quant Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.243	202	410192	1041.051	ng/ml	100
29) Pyrene	5.370	202	434589	1058.665	ng/ml	99
32) Benzo[a]anthracene	6.091	228	417096	913.724	ng/ml	100
33) 3,3'-Dichlorobenzene	6.084	252	168203	998.610	ng/ml	99
34) Chrysene	6.114	228	391016	892.665	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.128	149	253083	927.980	ng/ml	97
37) Benzo[b]fluoranthene	6.827	252	416588	1013.277	ng/ml	100
38) Benzo[k]fluoranthene	6.848	252	386671	998.253	ng/ml	100
39) Benzo[a]pyrene	7.093	252	362414	1102.239	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.214	276	384169	1246.902	ng/ml	95
41) Dibenzo[a,h]anthracene	8.243	278	351584M6	1215.944	ng/ml	
42) Benzo[g,h,i]perylene	8.515	276	345223	1096.186	ng/ml	95

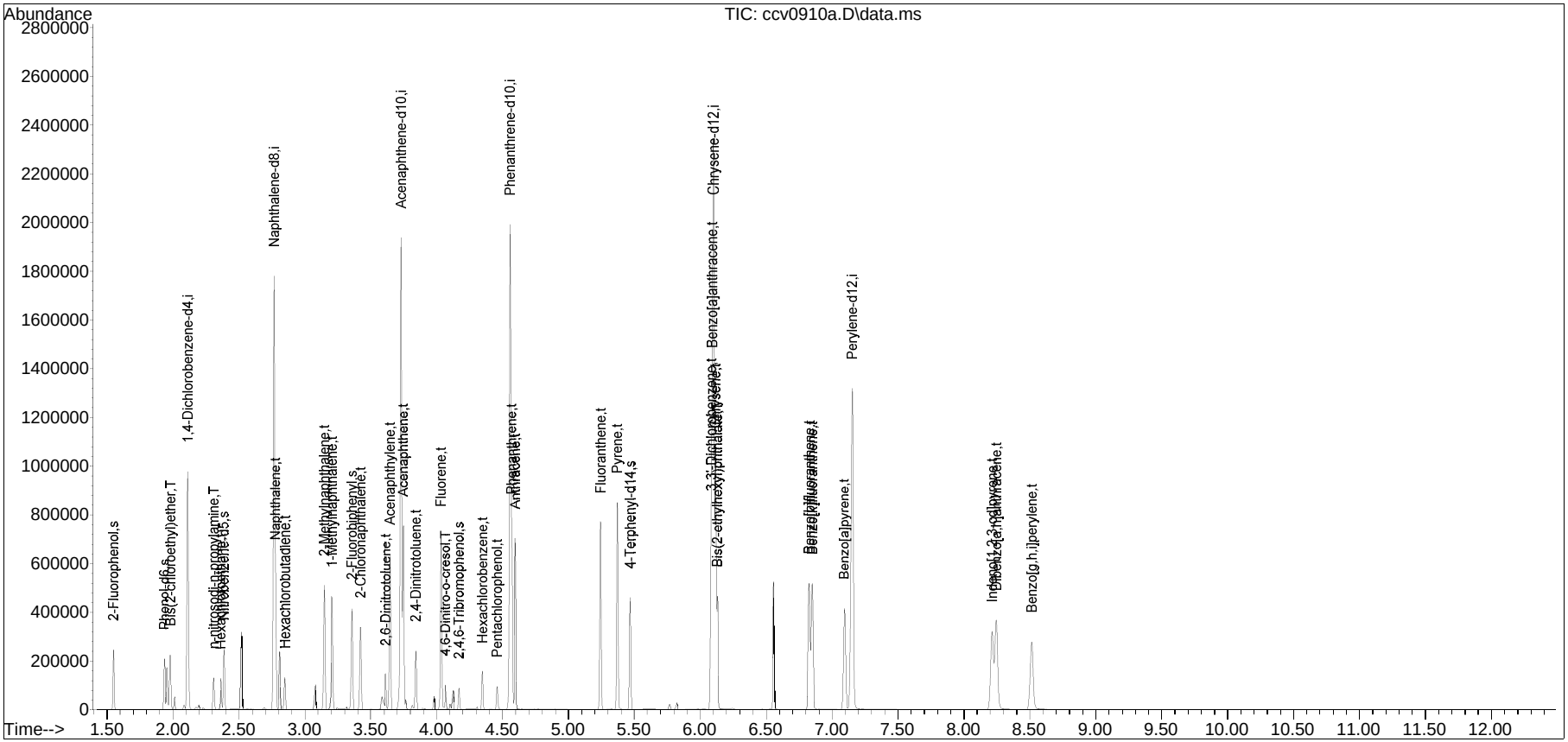
(#) = qualifier out of range (m) = manual integration (+) = signals summed

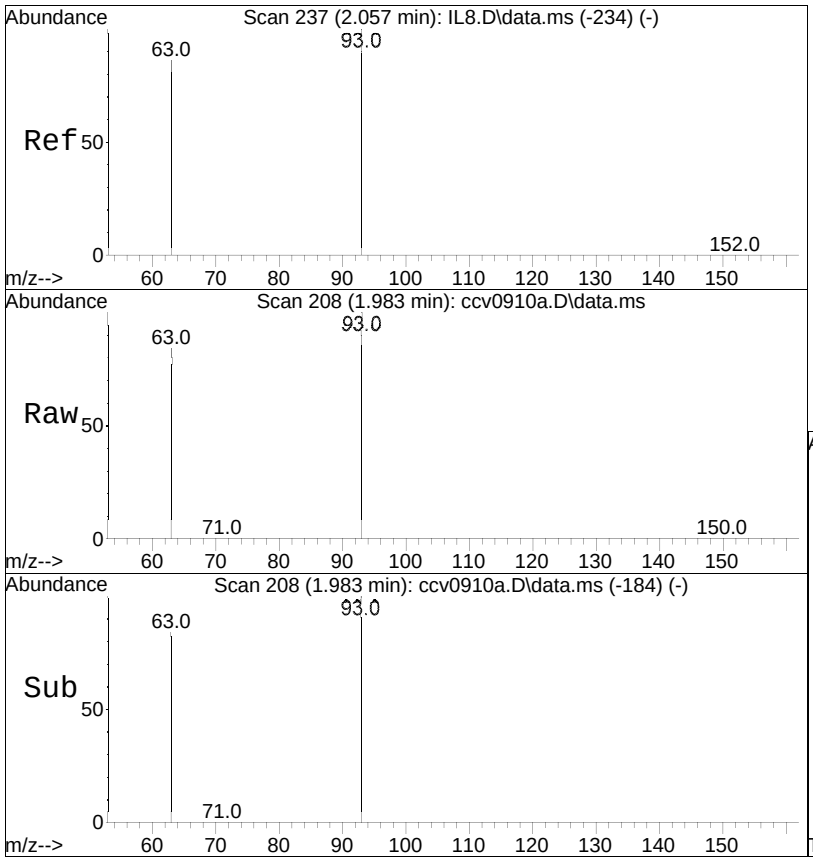
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : ccv0910a.D
Acq On : 10 Sep 2024 08:50 am
Operator : SV120:jjw
Sample : WG1969644-3,32,,ICV 10884 (0825a)
Misc : WG1969644,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Sep 10 09:10:44 2024
Quant Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

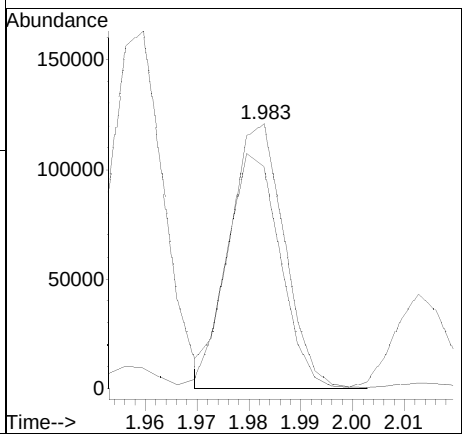


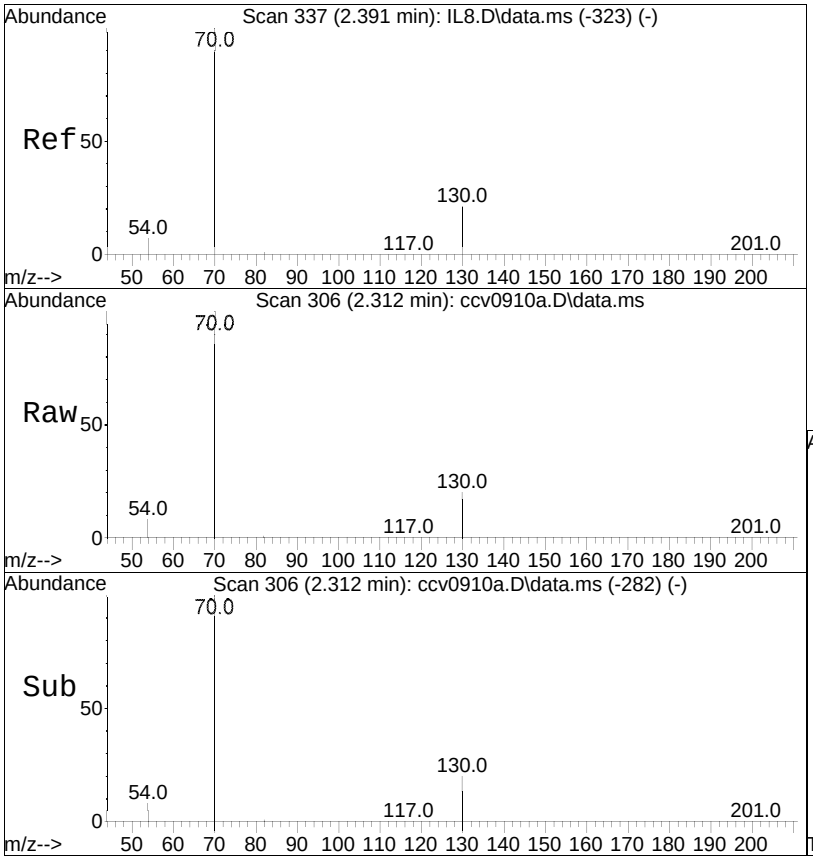


#4
Bis(2-chloroethyl)ether
Concen: 974.14 ng/ml
RT: 1.983 min Scan# 208
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion: 93 Resp: 88329

Ion	Ratio	Lower	Upper
93	100		
63	87.8	61.8	92.6

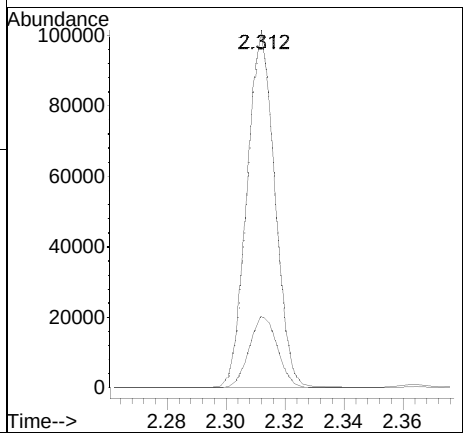


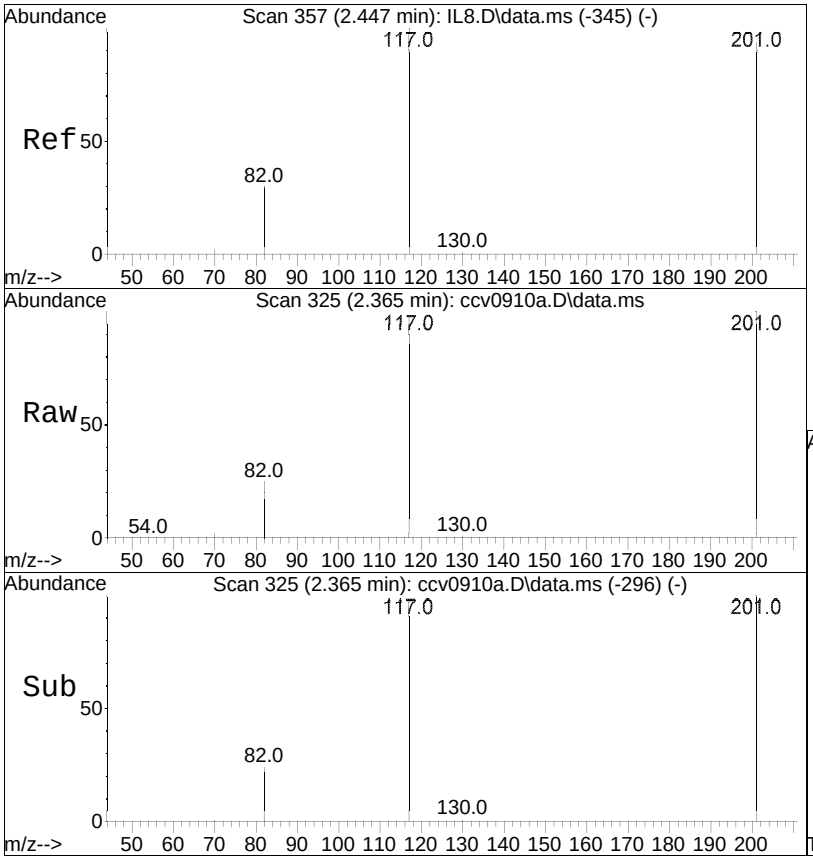


#5
n-nitrosodi-n-propylamine
Concen: 1090.58 ng/ml
RT: 2.312 min Scan# 306
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion: 70 Resp: 65430

Ion	Ratio	Lower	Upper
70	100		
130	20.4	16.4	24.6

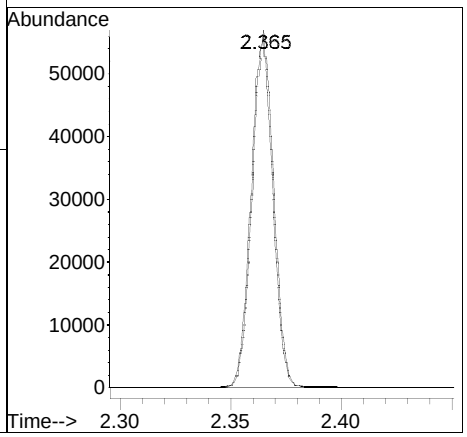


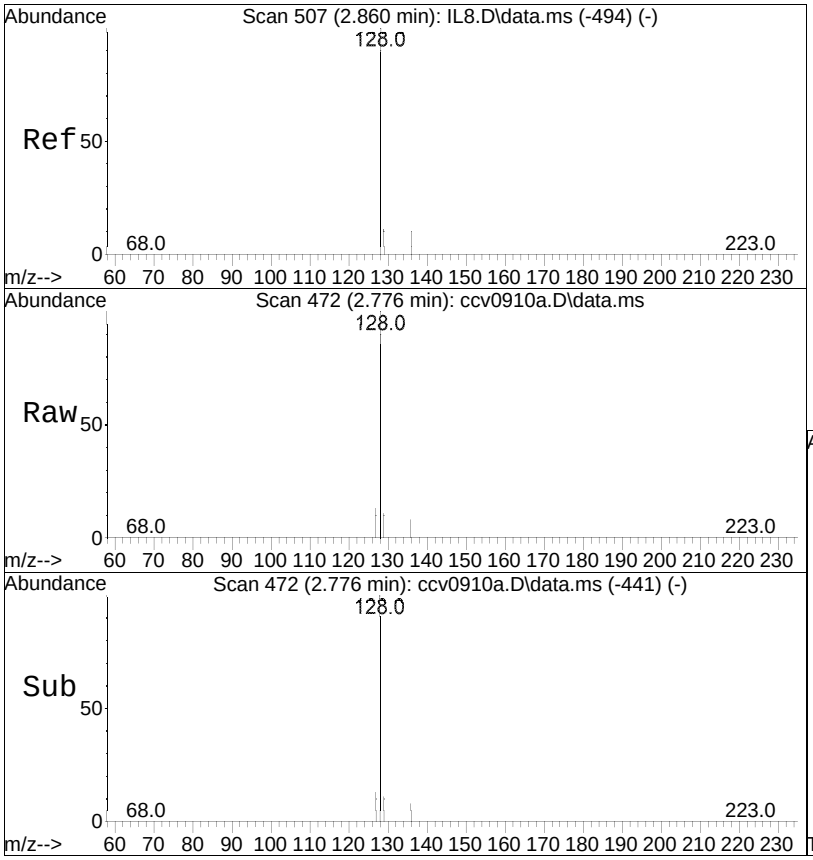


#6
Hexachloroethane
Concen: 964.84 ng/ml
RT: 2.365 min Scan# 325
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:117 Resp: 37330

Ion	Ratio	Lower	Upper
117	100		
201	100.6	76.6	115.0

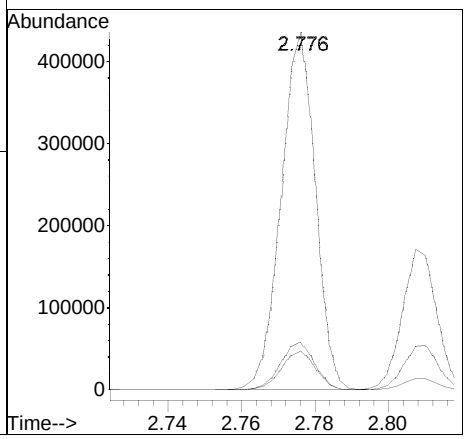


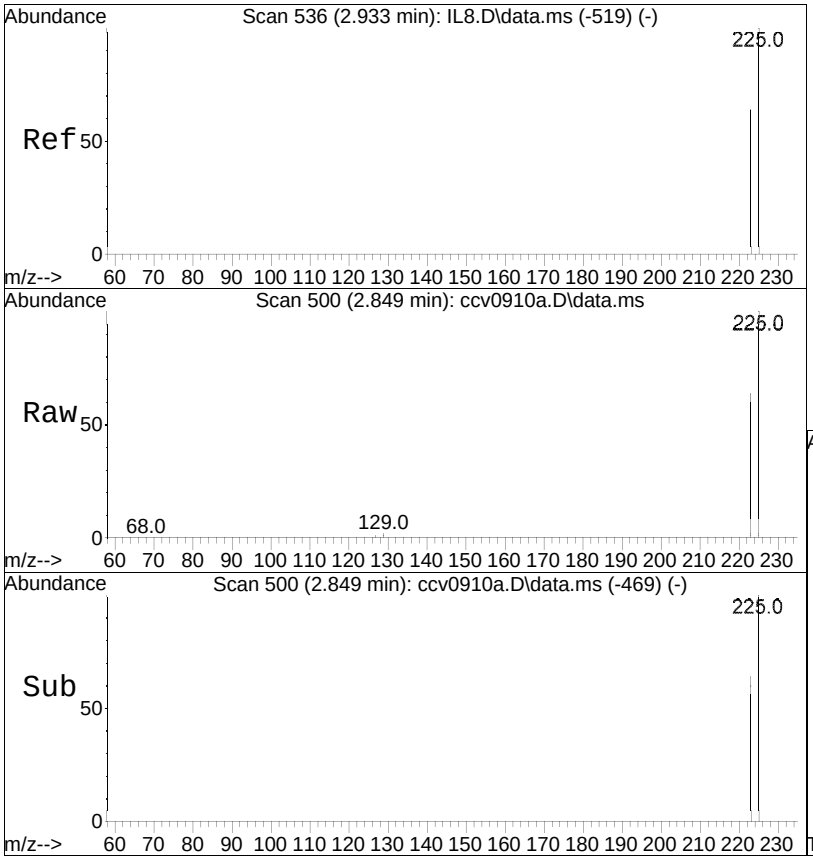


#9
Naphthalene
Concen: 888.07 ng/ml
RT: 2.776 min Scan# 472
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:128 Resp: 279922

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	0.0	0.0#

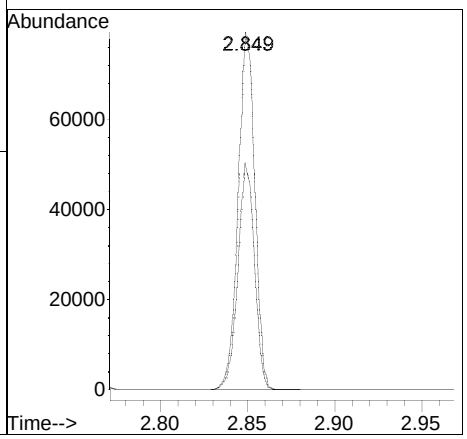


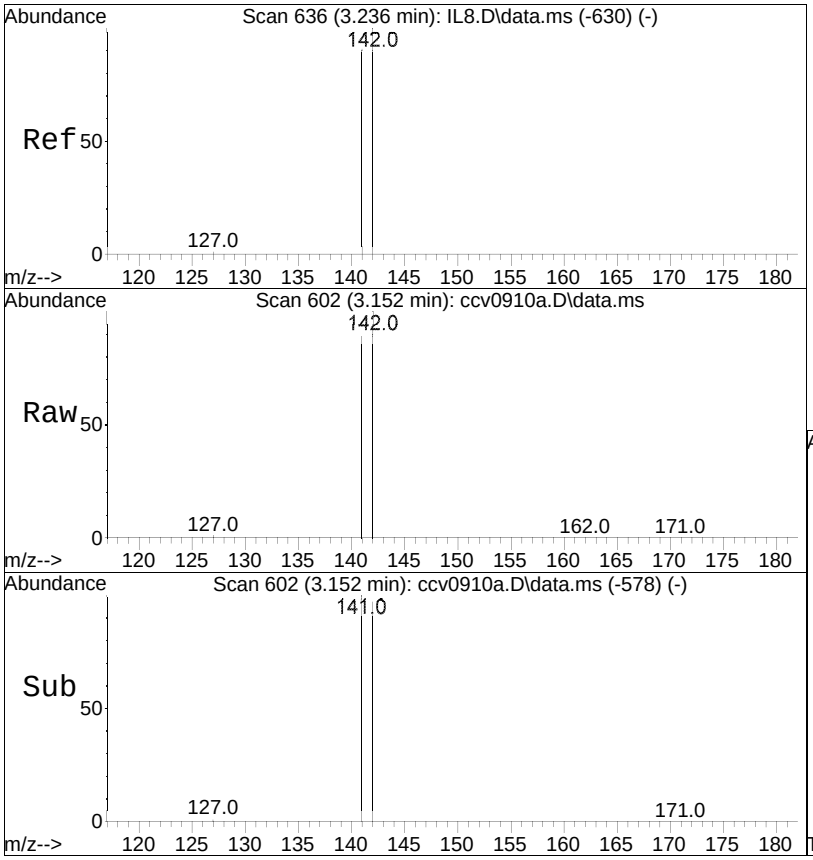


#10
Hexachlorobutadiene
Concen: 953.94 ng/ml
RT: 2.849 min Scan# 500
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:225 Resp: 51650

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.4	75.6

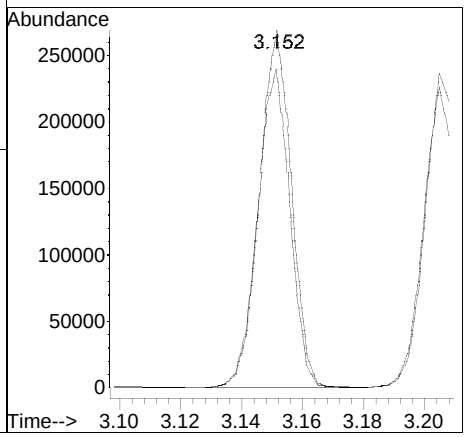


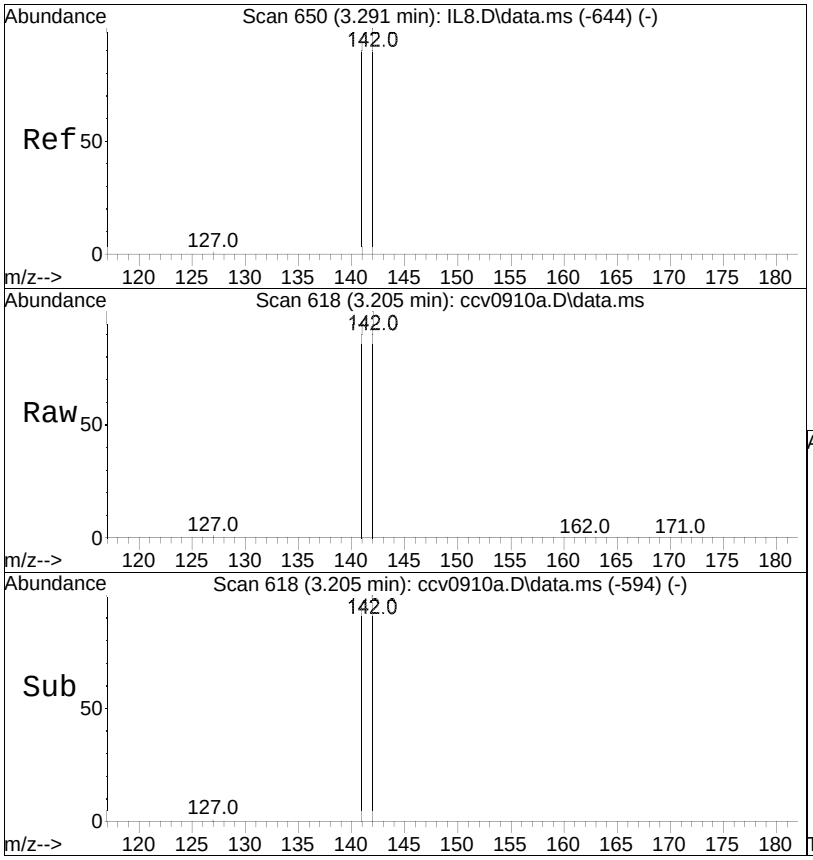


#11
2-Methylnaphthalene
Concen: 972.79 ng/ml
RT: 3.152 min Scan# 602
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:142 Resp: 194628

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.0	109.4

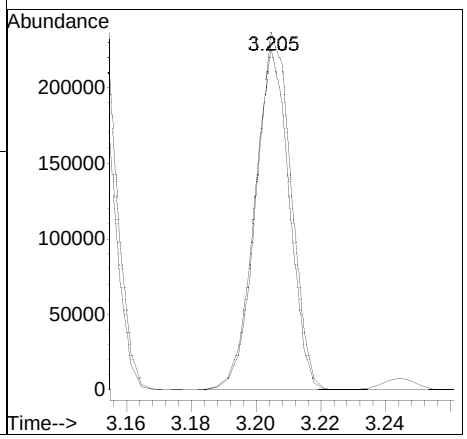


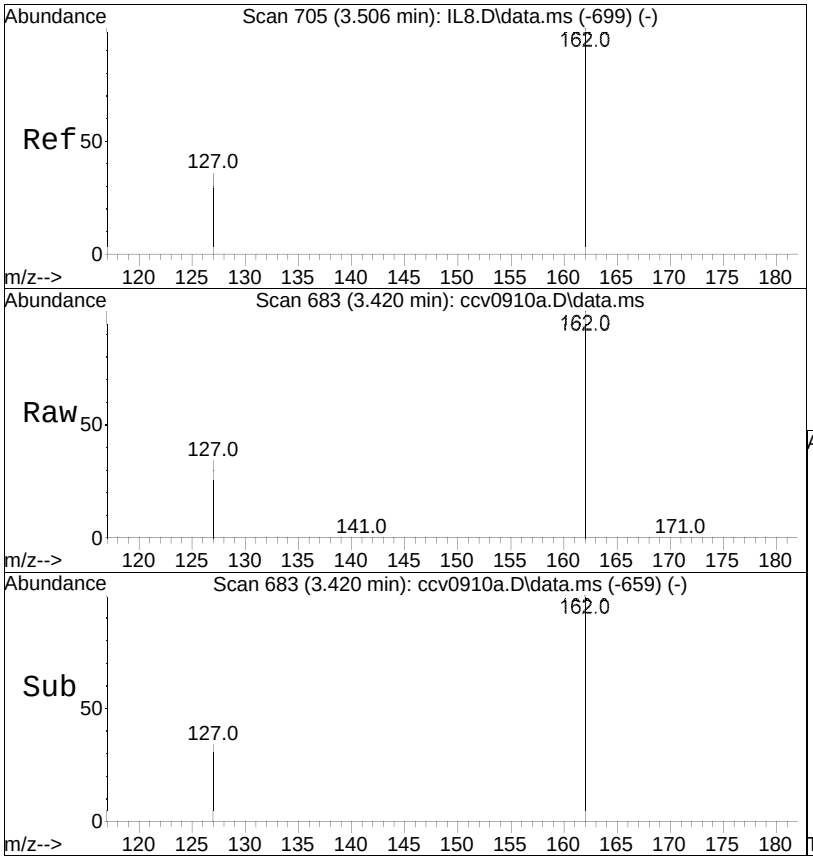


#12
1-Methylnaphthalene
Concen: 948.48 ng/ml
RT: 3.205 min Scan# 618
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:142 Resp: 177090

Ion	Ratio	Lower	Upper
142	100		
141	94.4	75.0	112.6

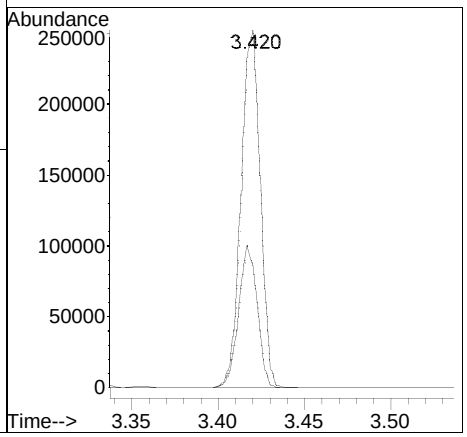


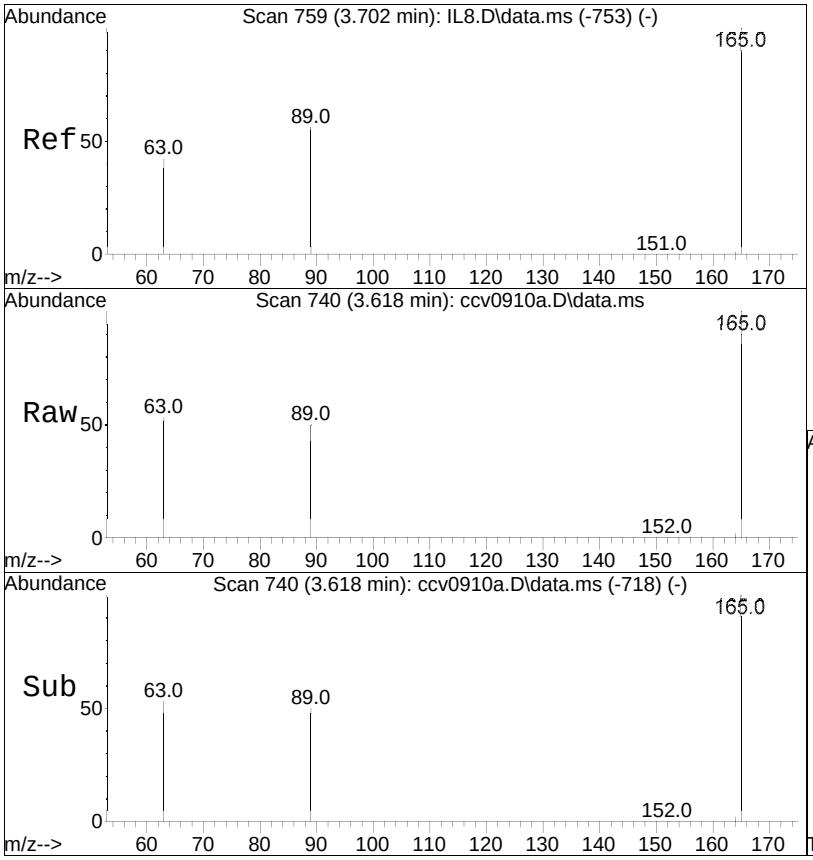


#14
2-Chloronaphthalene
Concen: 938.97 ng/ml
RT: 3.420 min Scan# 683
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:162 Resp: 190876

Ion	Ratio	Lower	Upper
162	100		
127	38.9	30.9	46.3

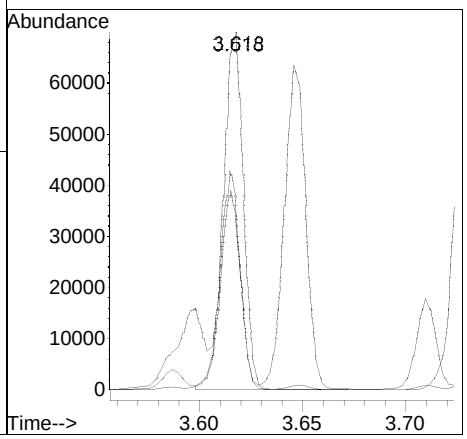


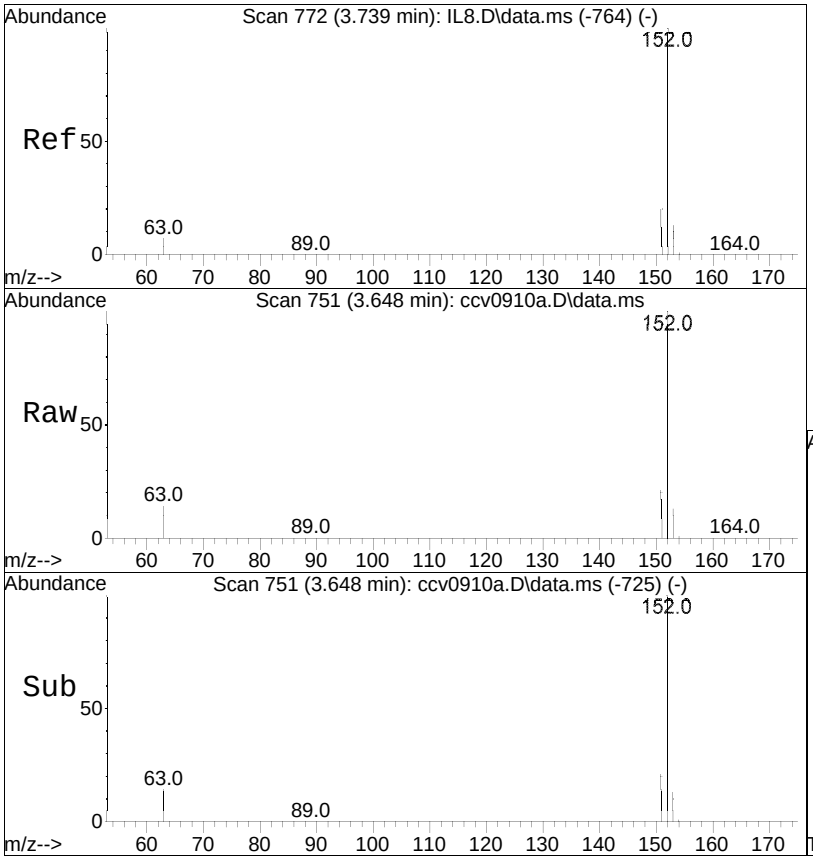


#15
2,6-Dinitrotoluene
Concen: 1059.02 ng/ml
RT: 3.618 min Scan# 740
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:165 Resp: 47540

Ion	Ratio	Lower	Upper
165	100		
89	55.5	49.9	74.9
63	59.5	48.5	72.7

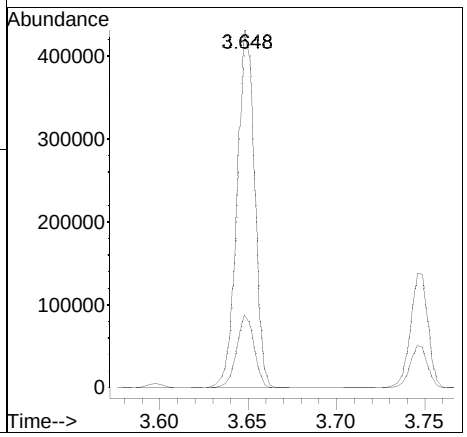


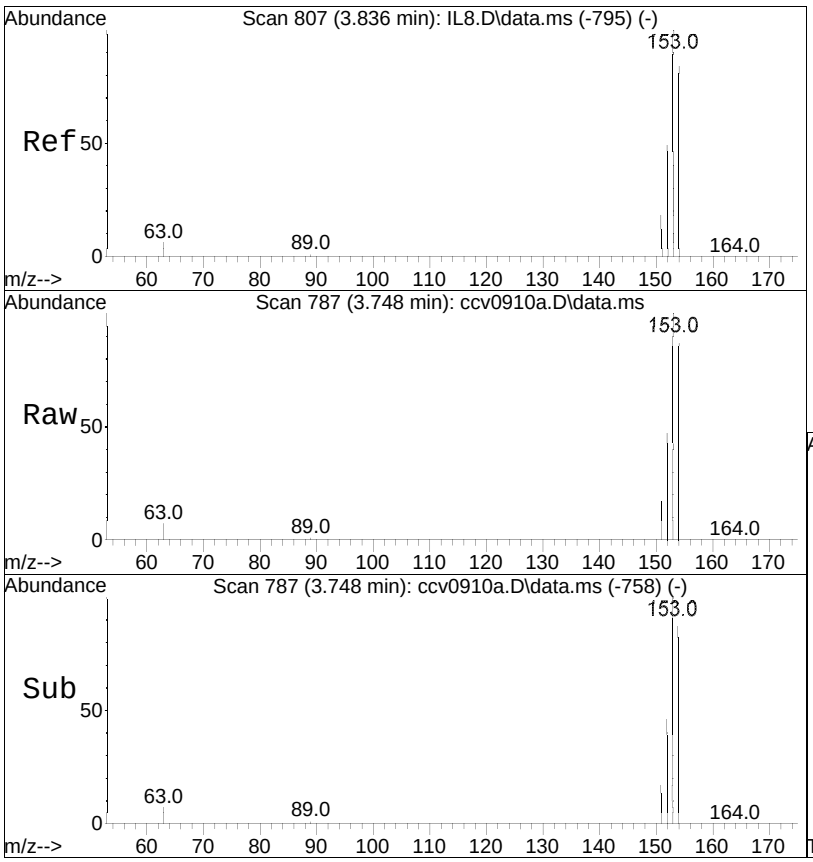


#16
Acenaphthylene
Concen: 1014.12 ng/ml
RT: 3.648 min Scan# 751
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:152 Resp: 295953

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

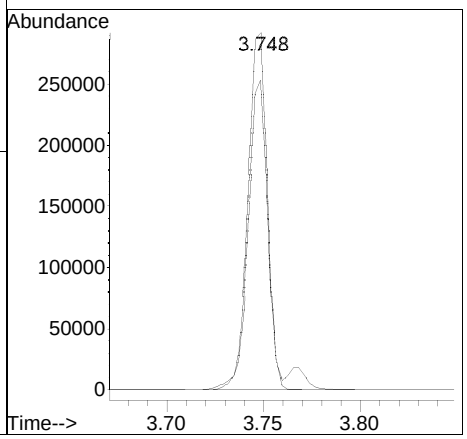


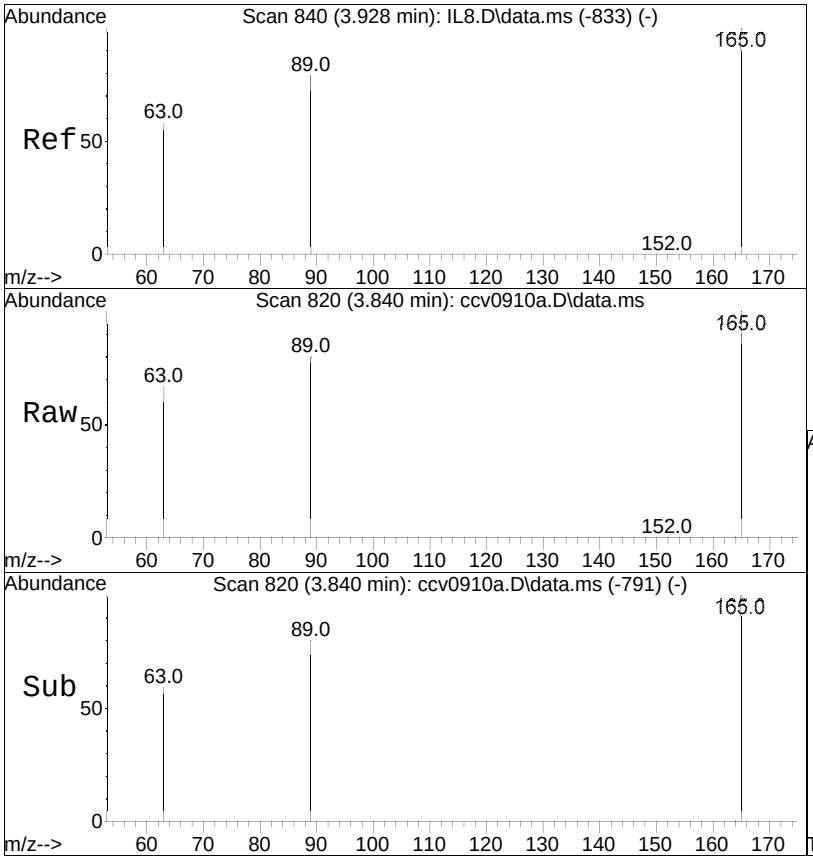


#18
Acenaphthene
Concen: 888.58 ng/ml
RT: 3.748 min Scan# 787
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:153 Resp: 201092

Ion	Ratio	Lower	Upper
153	100		
154	87.0	72.3	108.5

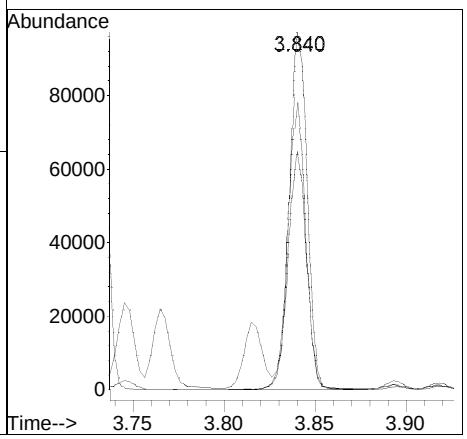


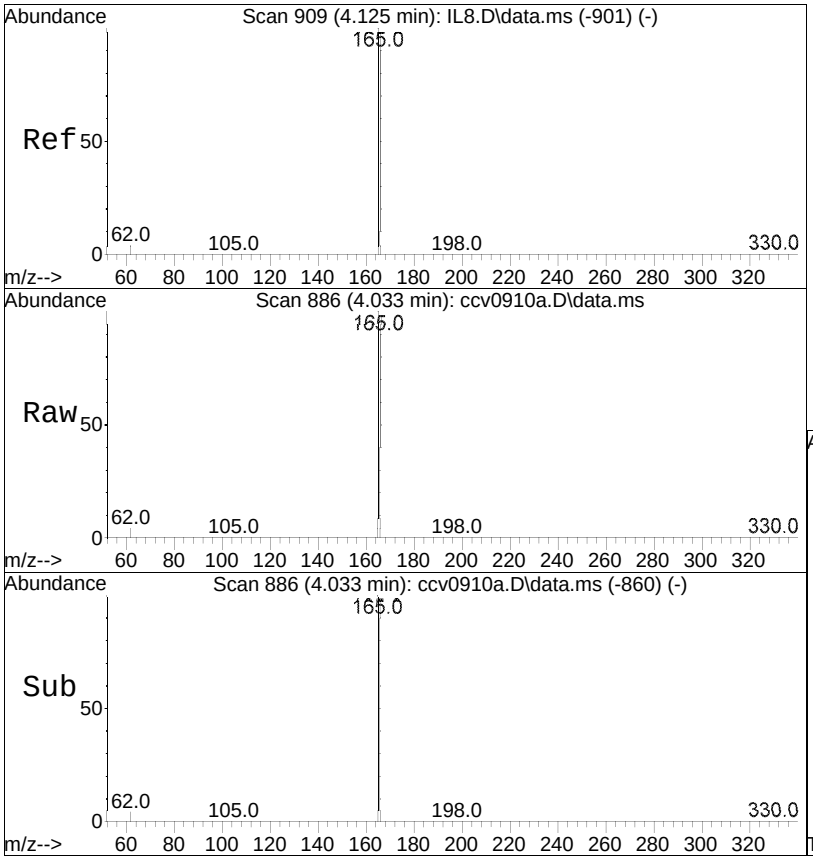


#19
2,4-Dinitrotoluene
Concen: 1062.71 ng/ml
RT: 3.840 min Scan# 820
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:165 Resp: 65516

Ion	Ratio	Lower	Upper
165	100		
89	81.0	72.9	109.3
63	68.7	59.0	88.4

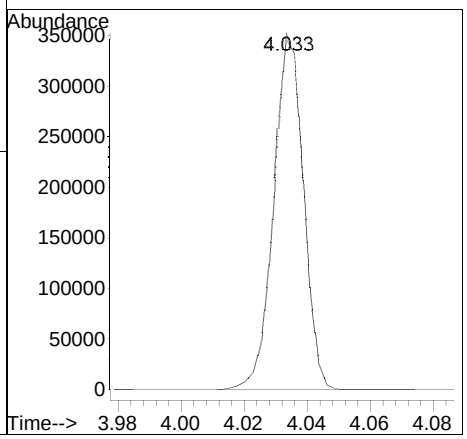


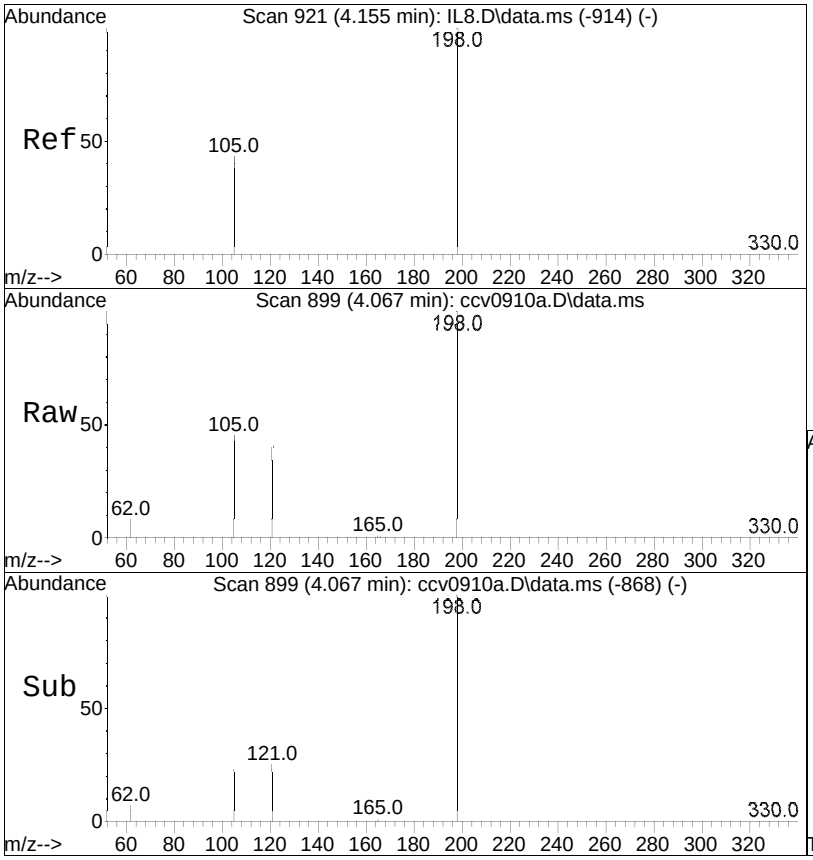


#20
Fluorene
Concen: 913.60 ng/ml
RT: 4.033 min Scan# 886
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:166 Resp: 229108

Ion	Ratio	Lower	Upper
166	100		
165	101.2	81.5	122.3

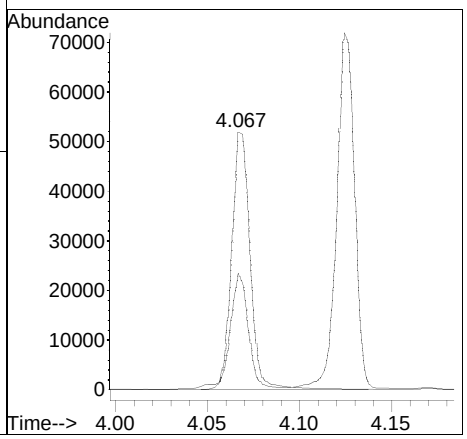


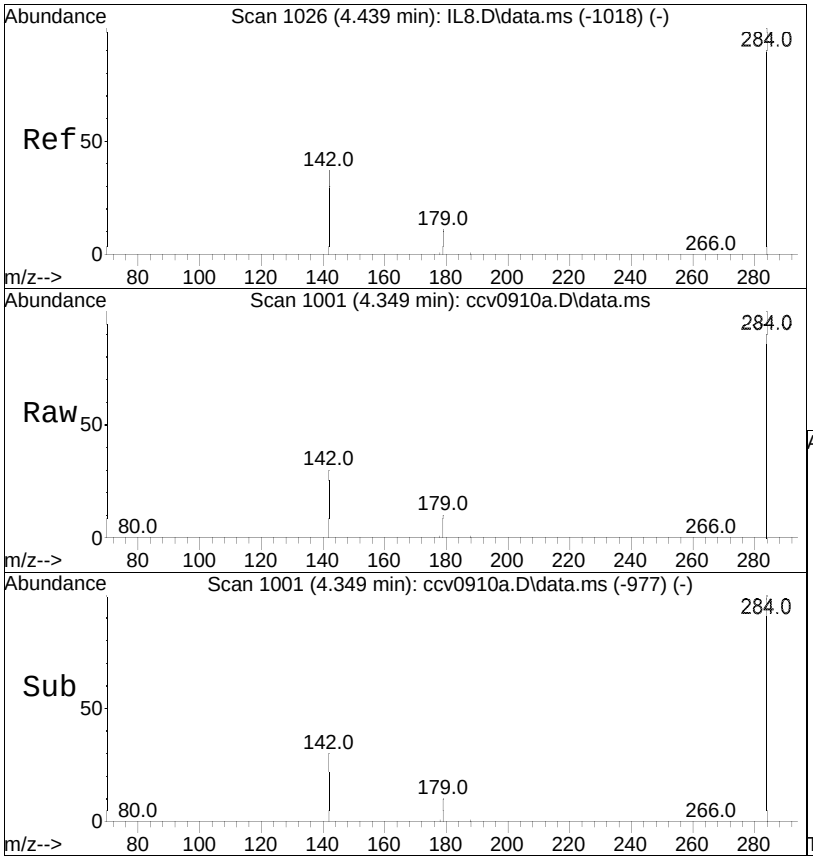


#23
4,6-Dinitro-o-cresol
Concen: 1237.42 ng/ml
RT: 4.067 min Scan# 899
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:198 Resp: 36077

Ion	Ratio	Lower	Upper
198	100		
105	45.0	36.2	54.2

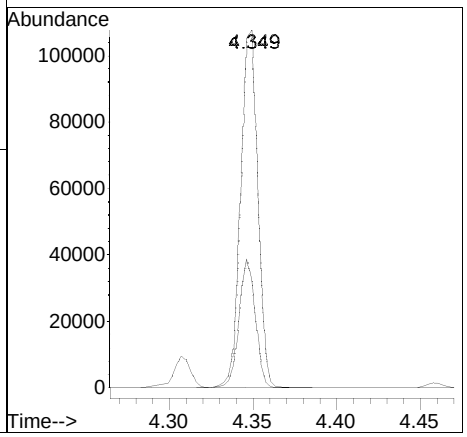


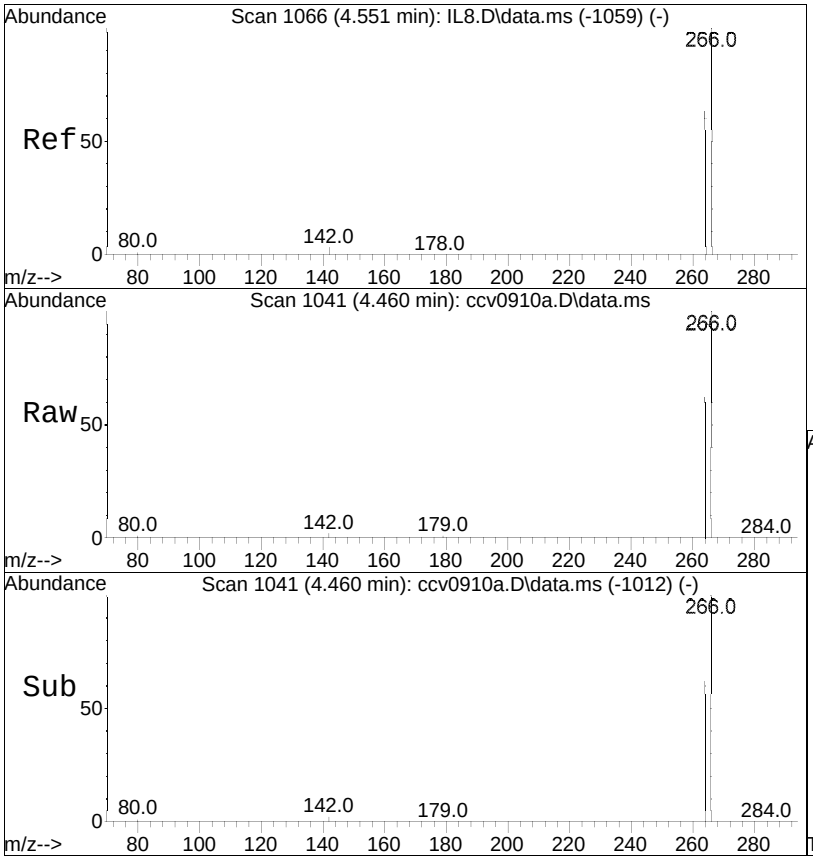


#24
Hexachlorobenzene
Concen: 877.54 ng/ml
RT: 4.349 min Scan# 1001
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:284 Resp: 75563

Ion	Ratio	Lower	Upper
284	100		
142	34.6	29.4	44.2

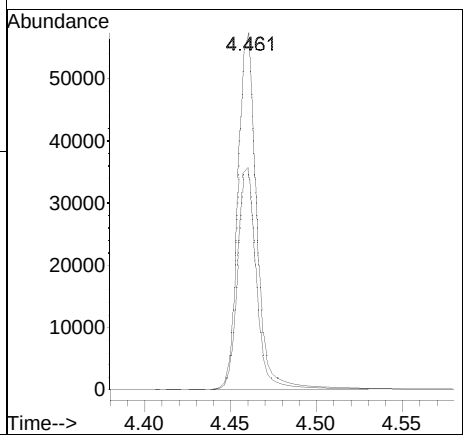


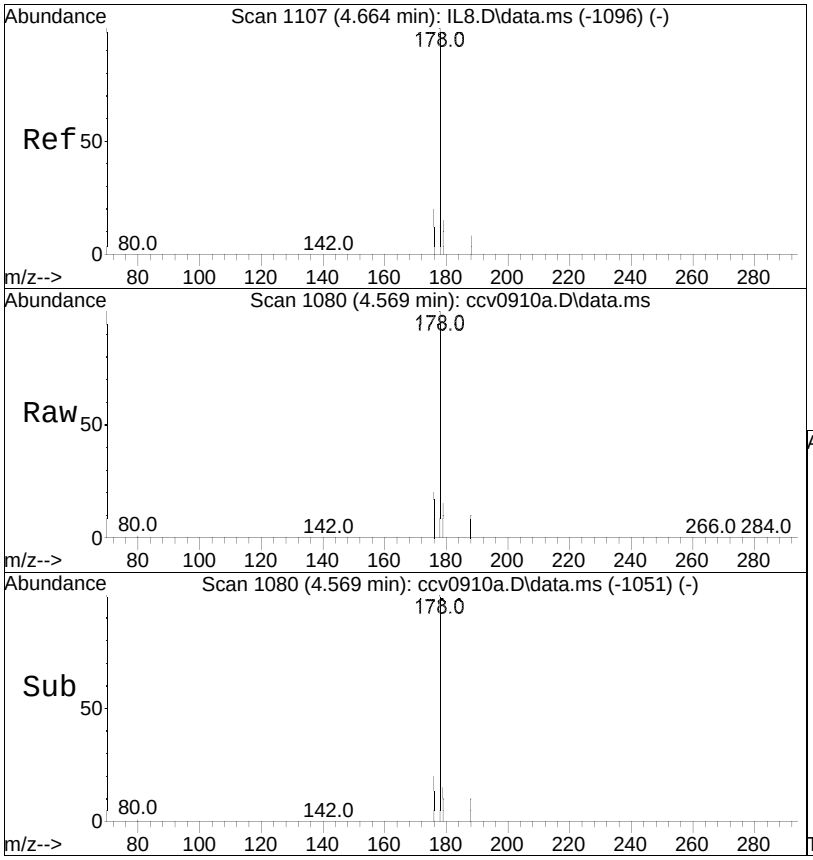


#25
Pentachlorophenol
Concen: 1077.77 ng/ml
RT: 4.460 min Scan# 1041
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:266 Resp: 43167

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.2	75.4

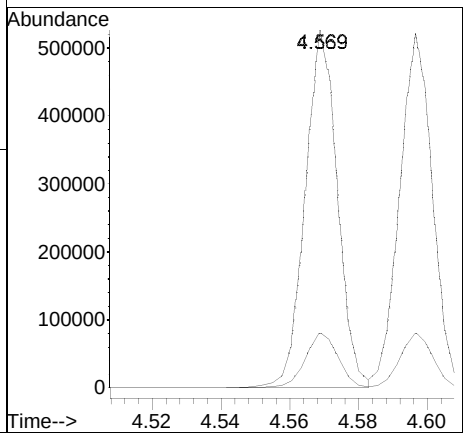


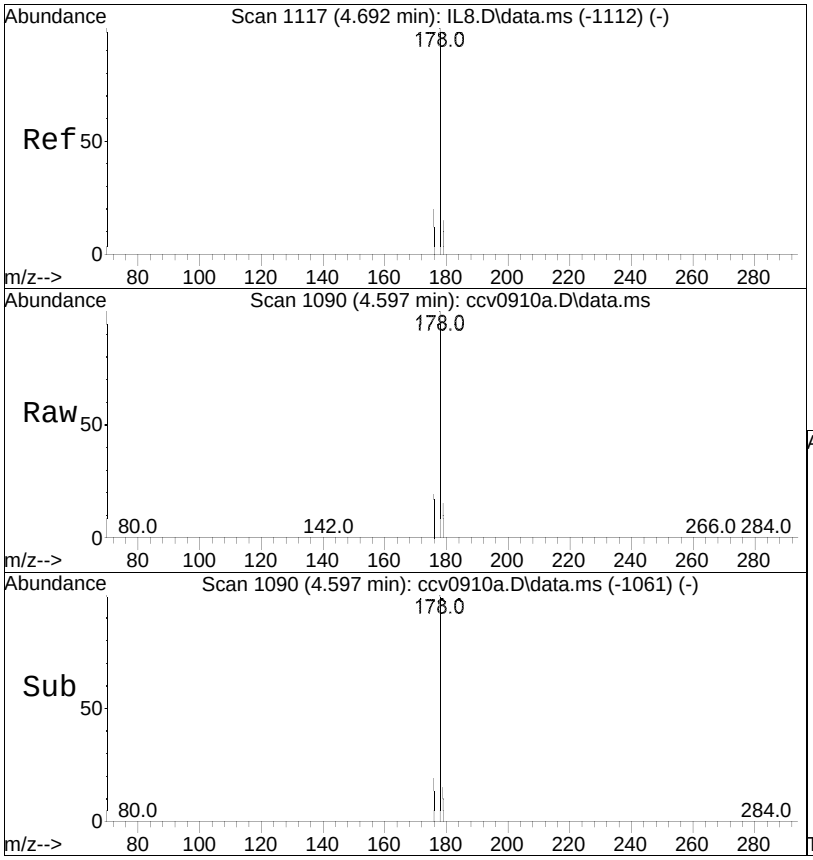


#26
Phenanthrene
Concen: 938.03 ng/ml
RT: 4.569 min Scan# 1080
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:178 Resp: 342062

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

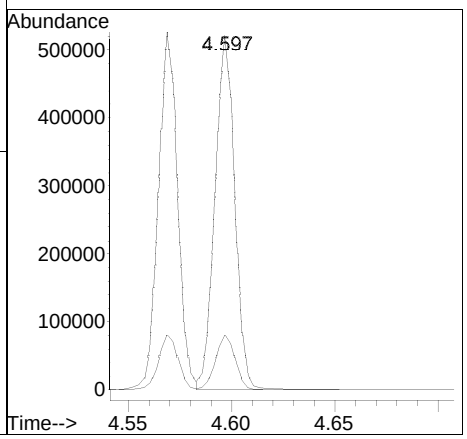


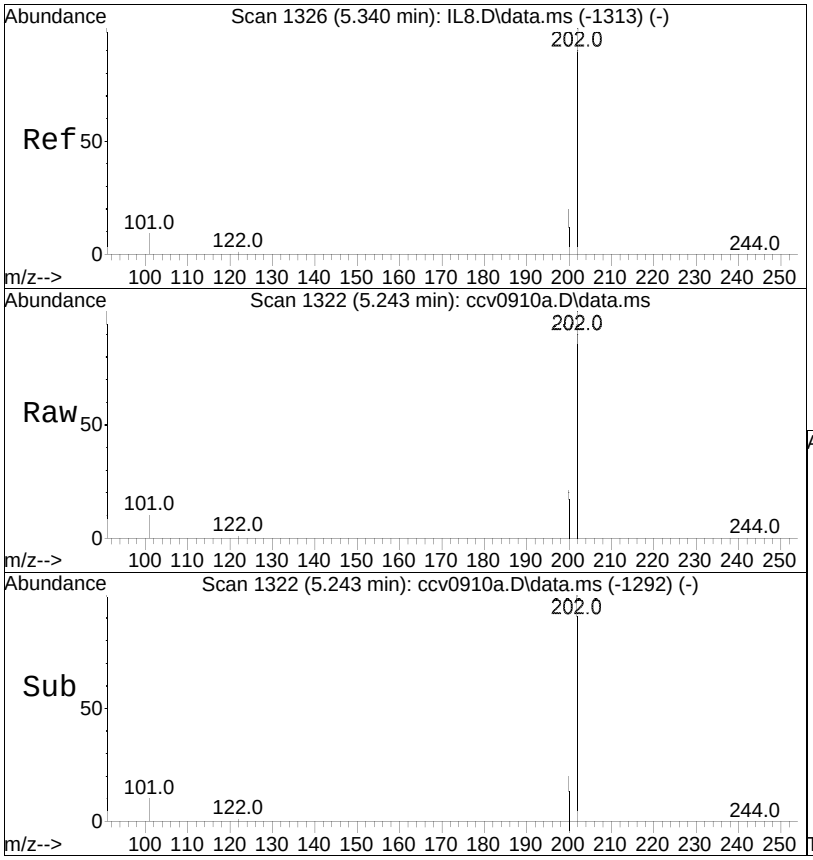


#27
Anthracene
Concen: 984.76 ng/ml
RT: 4.597 min Scan# 1090
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:178 Resp: 346460

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

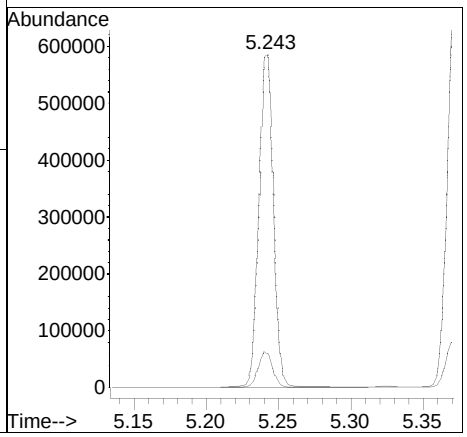


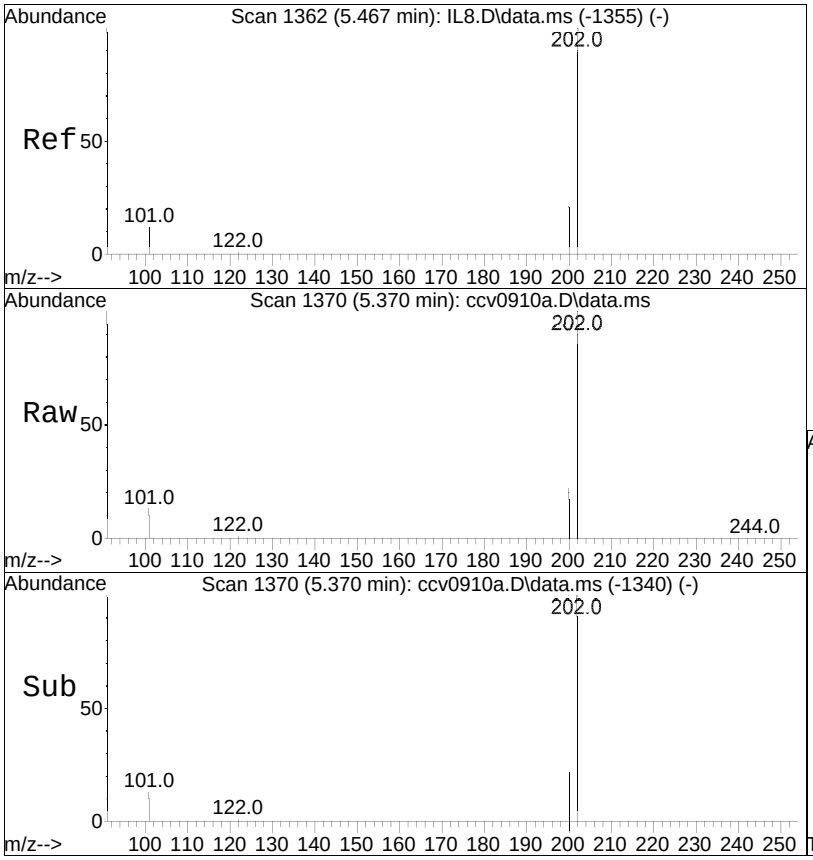


#28
Fluoranthene
Concen: 1041.05 ng/ml
RT: 5.243 min Scan# 1322
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:202 Resp: 410192

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1

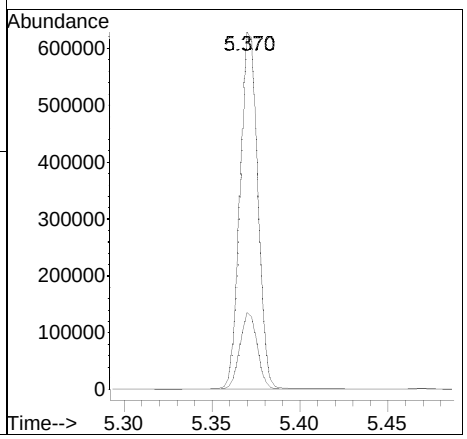


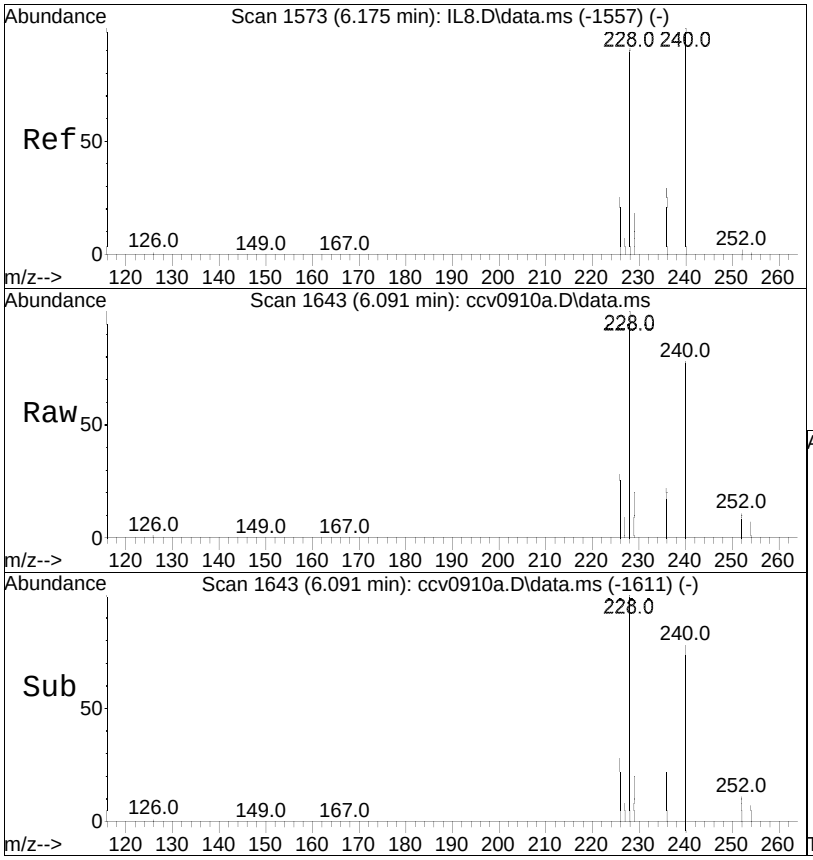


#29
Pyrene
Concen: 1058.67 ng/ml
RT: 5.370 min Scan# 1370
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:202 Resp: 434589

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2

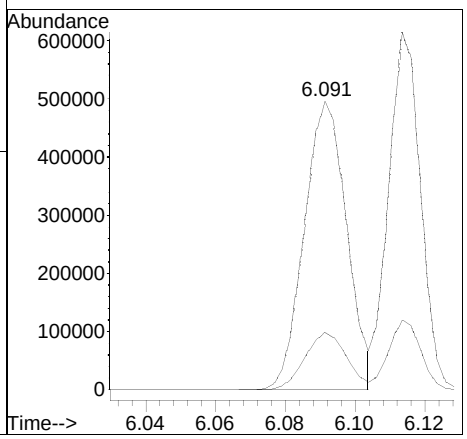


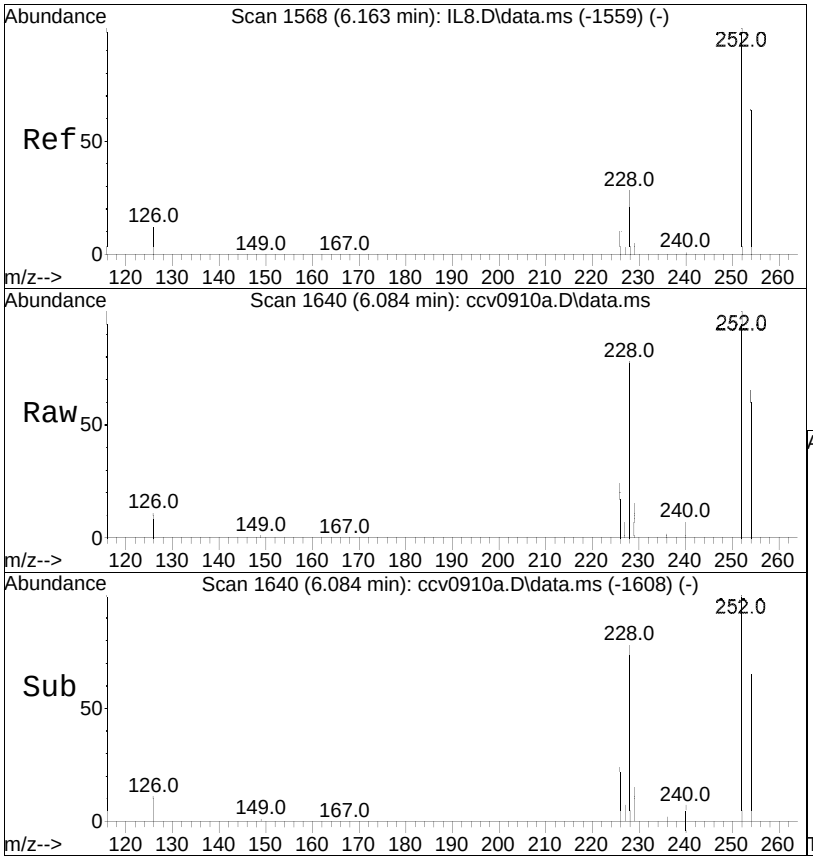


#32
Benzo[a]anthracene
Concen: 913.72 ng/ml
RT: 6.091 min Scan# 1643
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:228 Resp: 417096

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.6

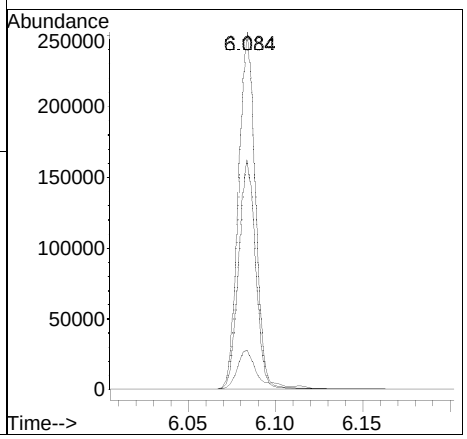


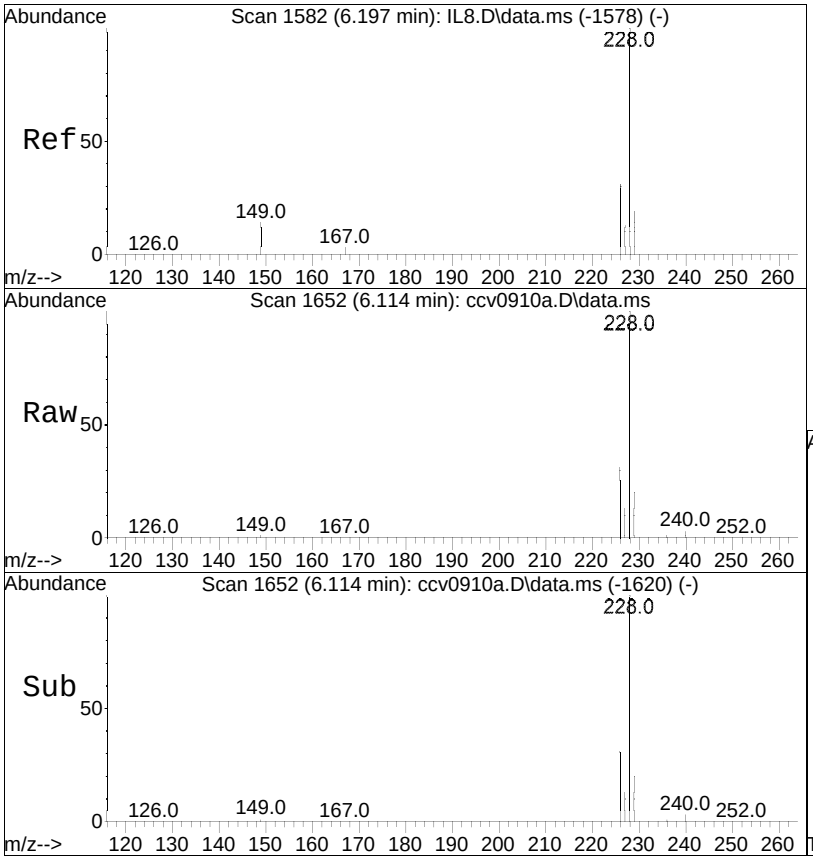


#33
3,3'-Dichlorobenzene
Concen: 998.61 ng/ml
RT: 6.084 min Scan# 1640
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:252 Resp: 168203

Ion	Ratio	Lower	Upper
252	100		
126	13.2	11.7	17.5
254	64.6	51.4	77.2

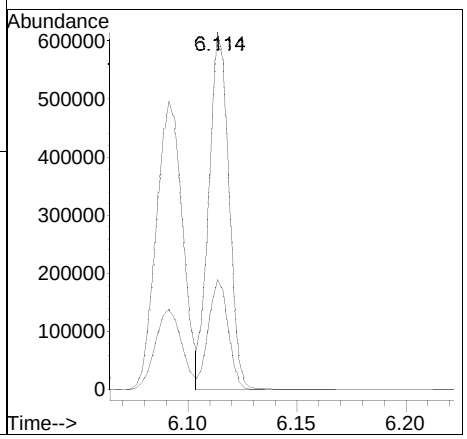


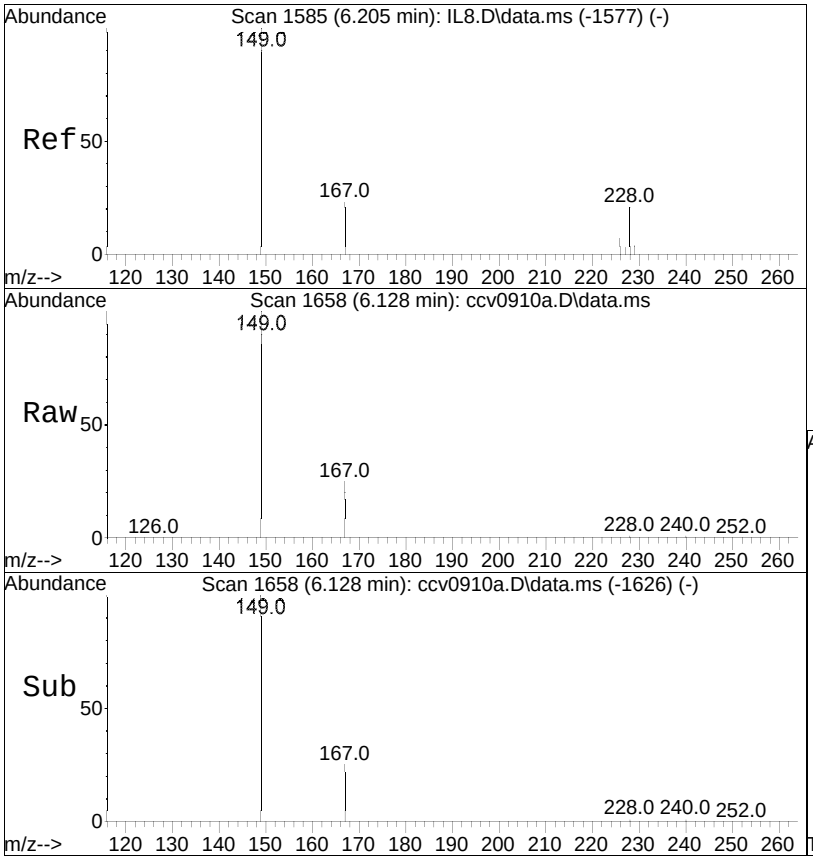


#34
Chrysene
Concen: 892.66 ng/ml
RT: 6.114 min Scan# 1652
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:228 Resp: 391016

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5

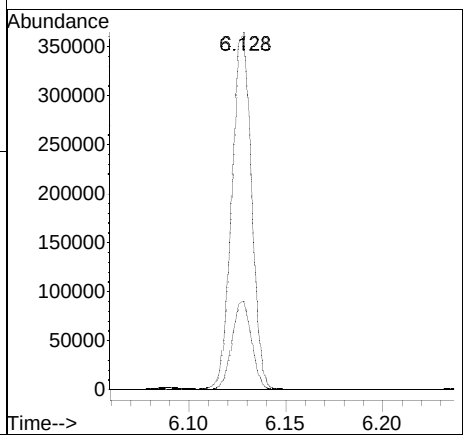


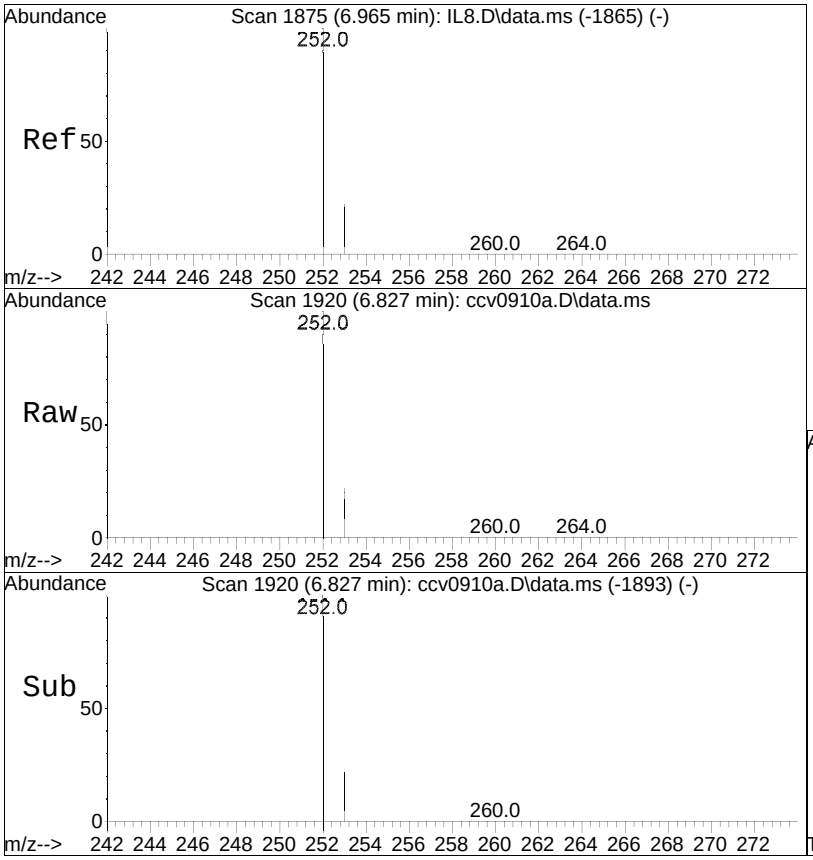


#35
Bis(2-ethylhexyl)phthalate
Concen: 927.98 ng/ml
RT: 6.128 min Scan# 1658
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:149 Resp: 253083

Ion	Ratio	Lower	Upper
149	100		
167	24.6	18.5	27.7

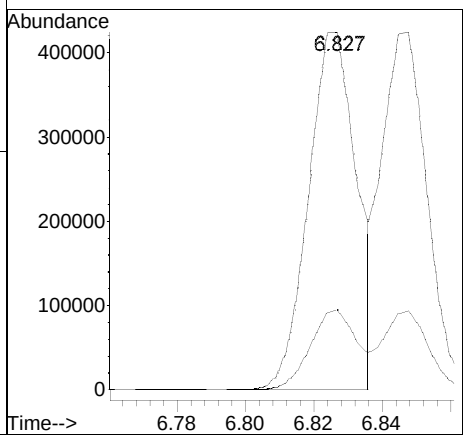


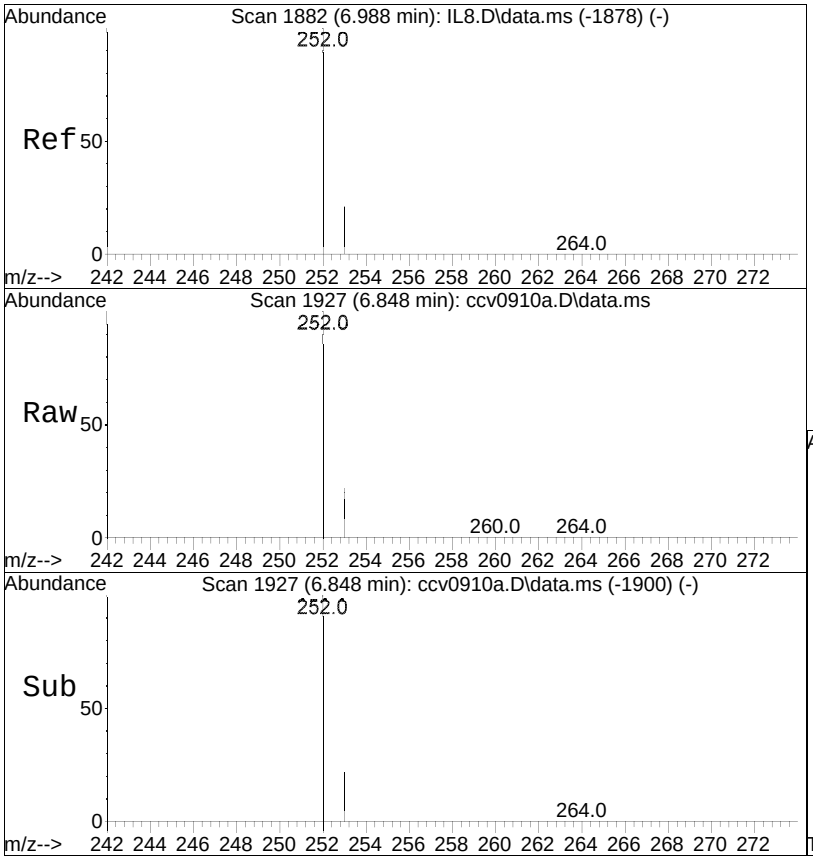


#37
Benzo[b]fluoranthene
Concen: 1013.28 ng/ml
RT: 6.827 min Scan# 1920
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:252 Resp: 416588

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9

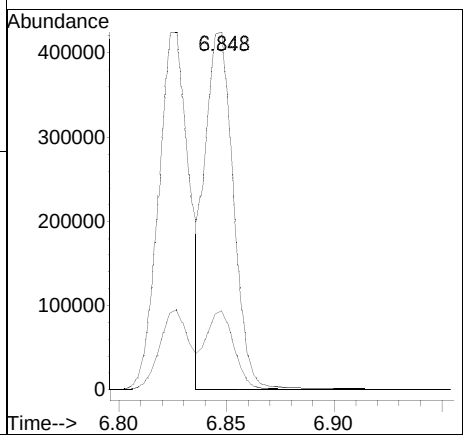


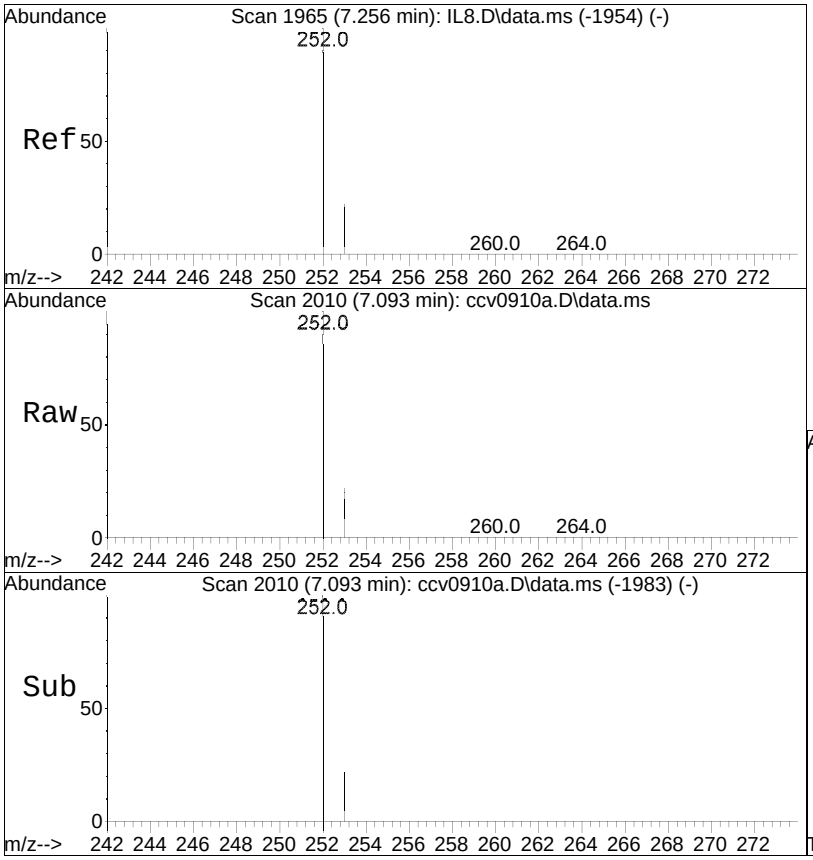


#38
Benzo[k]fluoranthene
Concen: 998.25 ng/ml
RT: 6.848 min Scan# 1927
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:252 Resp: 386671

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

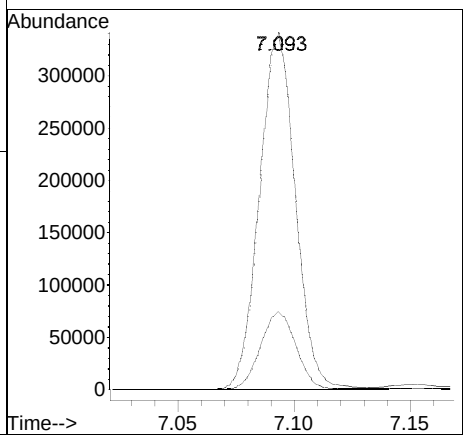


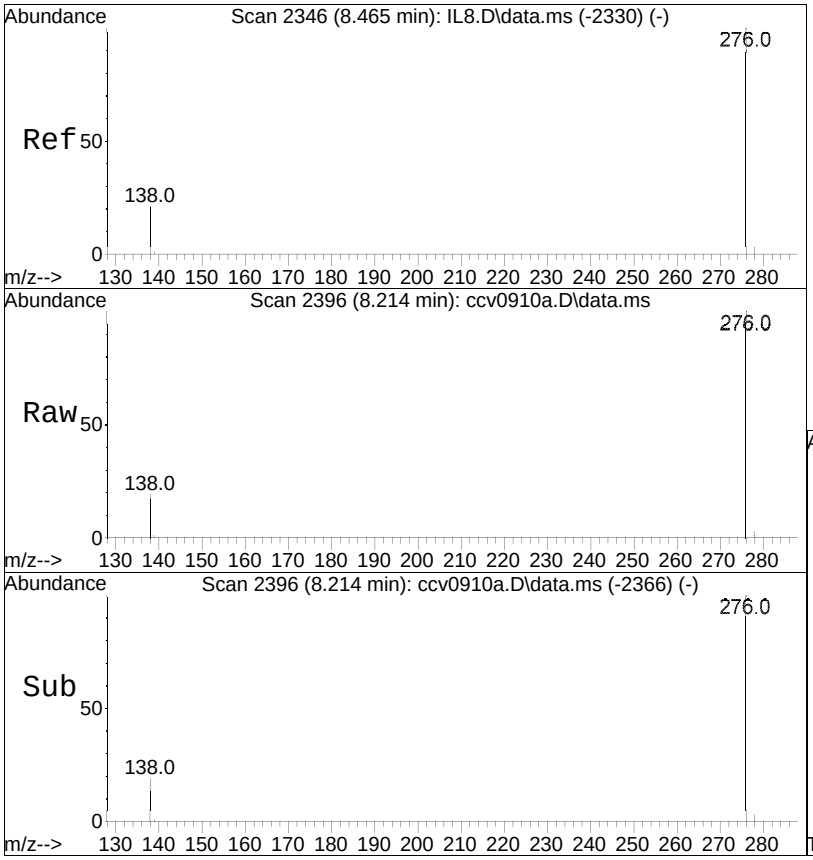


#39
Benzo[a]pyrene
Concen: 1102.24 ng/ml
RT: 7.093 min Scan# 2010
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:252 Resp: 362414

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

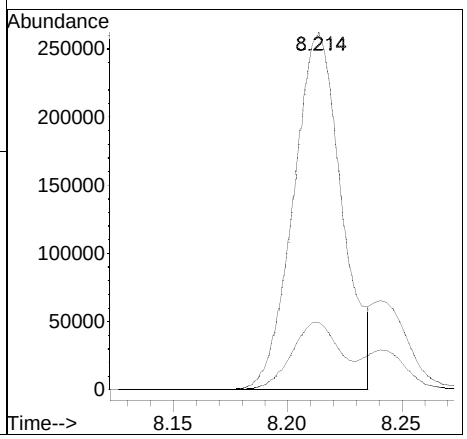


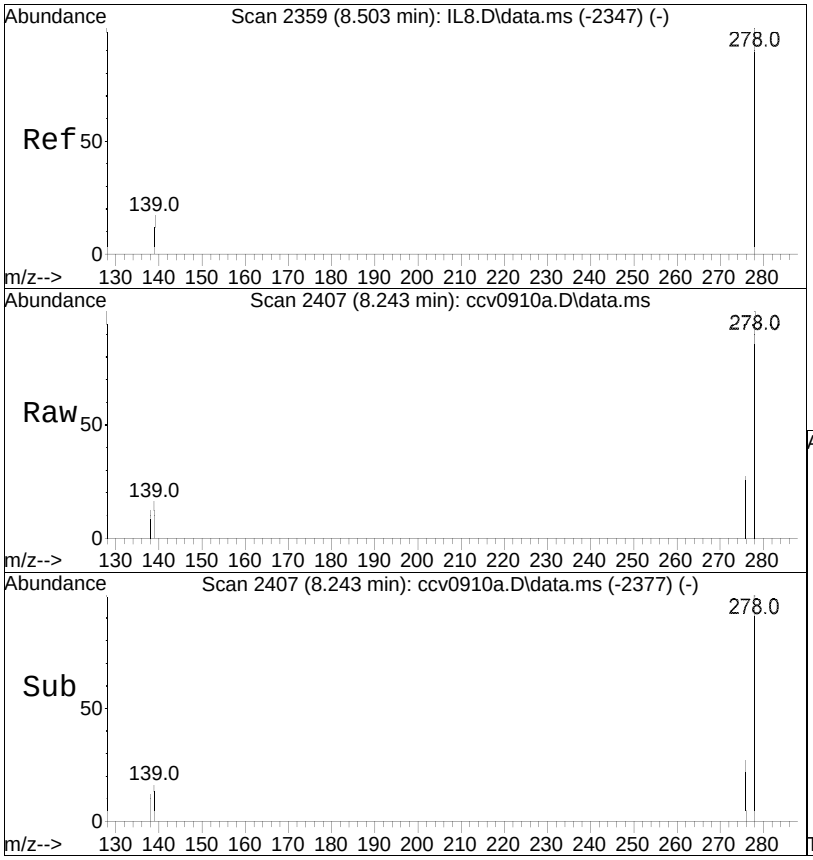


#40
Indeno[1,2,3-cd]pyrene
Concen: 1246.90 ng/ml
RT: 8.214 min Scan# 2396
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:276 Resp: 384169

Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.2	25.8

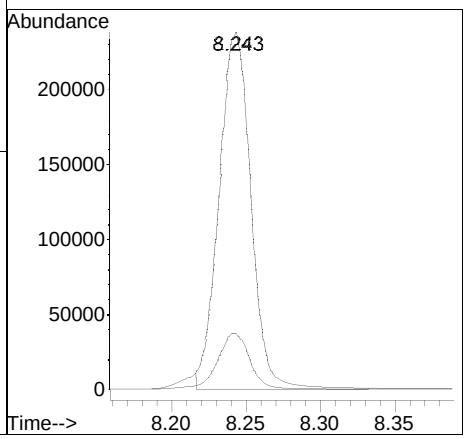


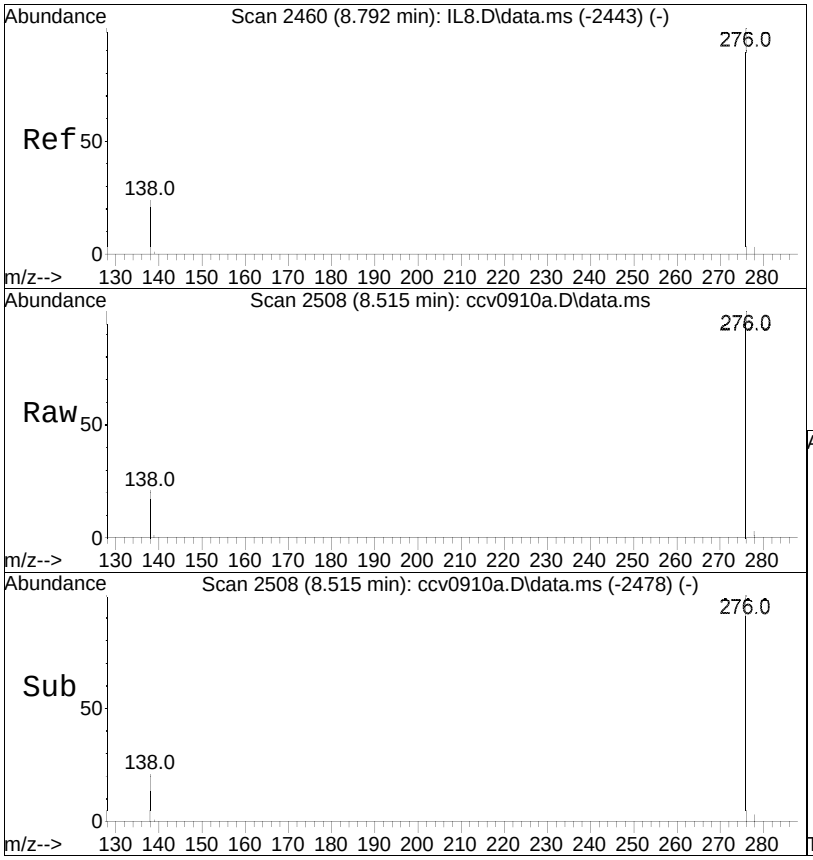


#41
Dibenzo[a,h]anthracene
Concen: 1215.94 ng/ml M6
RT: 8.243 min Scan# 2407
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:278 Resp: 351584

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.7	22.1

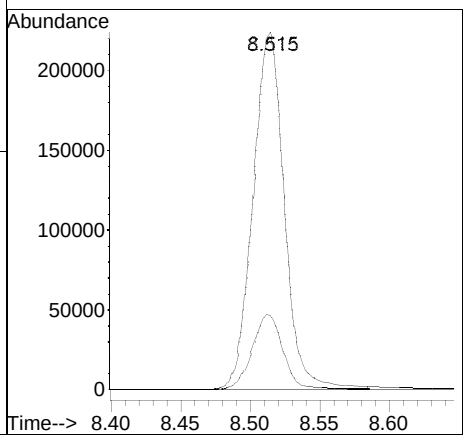




#42
Benzo[g,h,i]perylene
Concen: 1096.19 ng/ml
RT: 8.515 min Scan# 2508
Delta R.T. 0.000 min
Lab File: ccv0910a.D
Acq: 10 Sep 2024 08:50 am

Tgt Ion:276 Resp: 345223

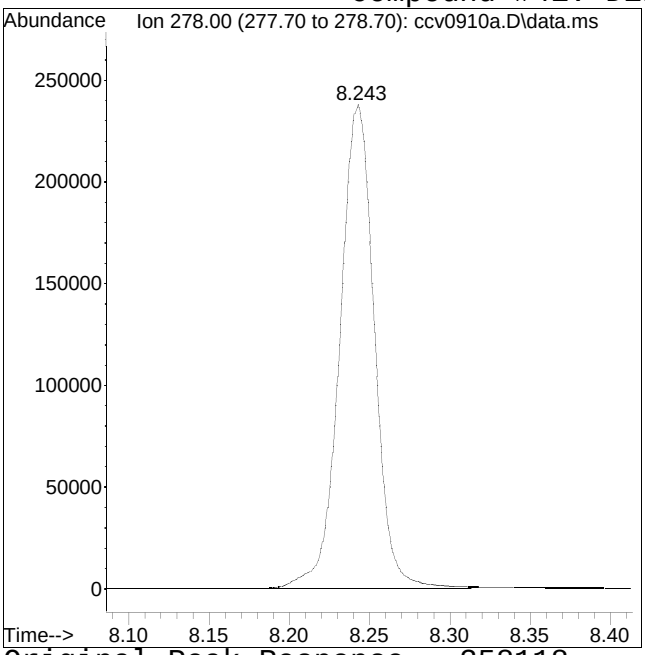
Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.0	28.4



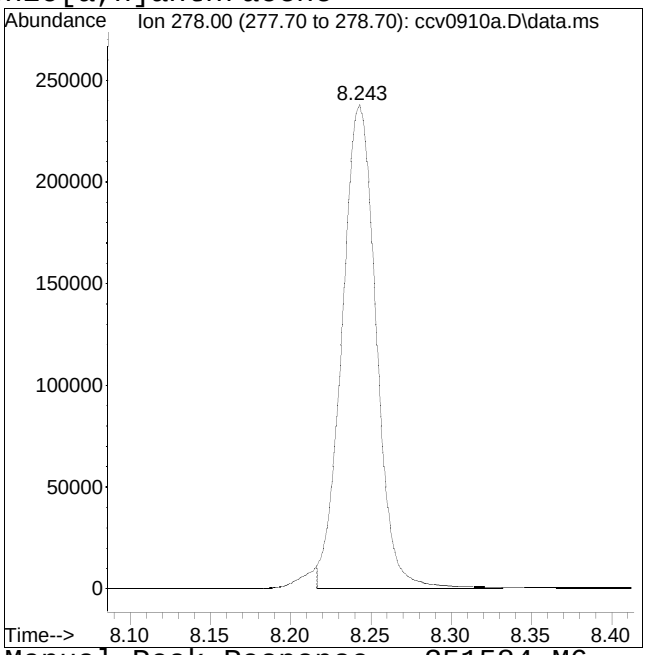
Manual Integration Report

Data Path : I:\8270SIM\sv120\240910RVTQ
Data File : ccv0910a.D
Date Inj'd : 9/10/2024 8:50 am
Sample : WG1969644-3,32,,ICV 10884
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 9/10/2024 9:11 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 358118



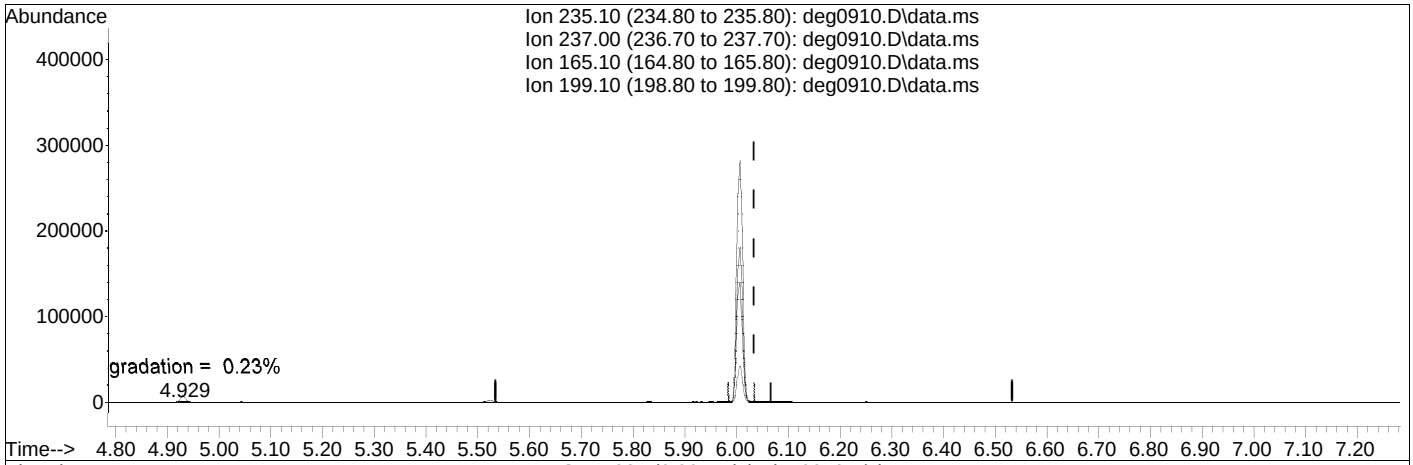
Manual Peak Response = 351584 M6

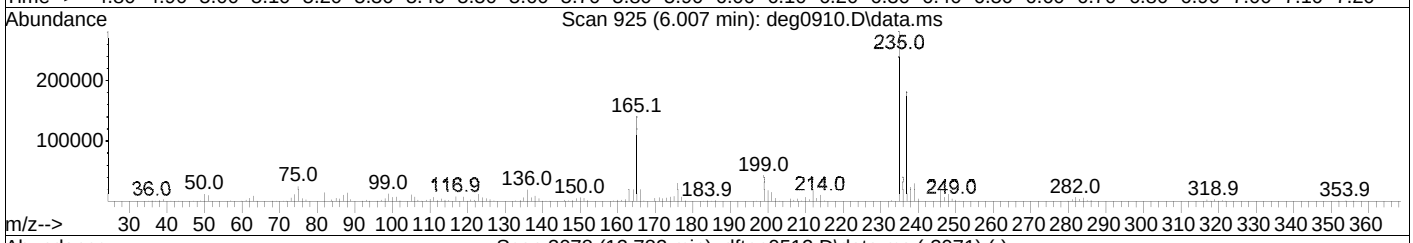
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

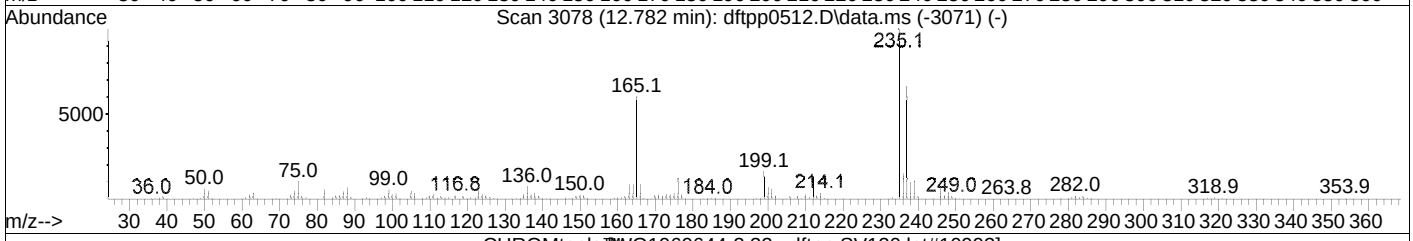
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:14 am
Operator : SV120:rp
Sample : WG1969644-2,32,, dftpp SV120 lot#10993
Misc : WG1969644,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:28:18 2024
Quant Method : I:\8270SIM\sv120\240910RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 06 15:55:25 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG1969644-2,32,, dftpp SV120 lot#10993]

(6) ddt (T)

6.007min (-0.027) 33.69

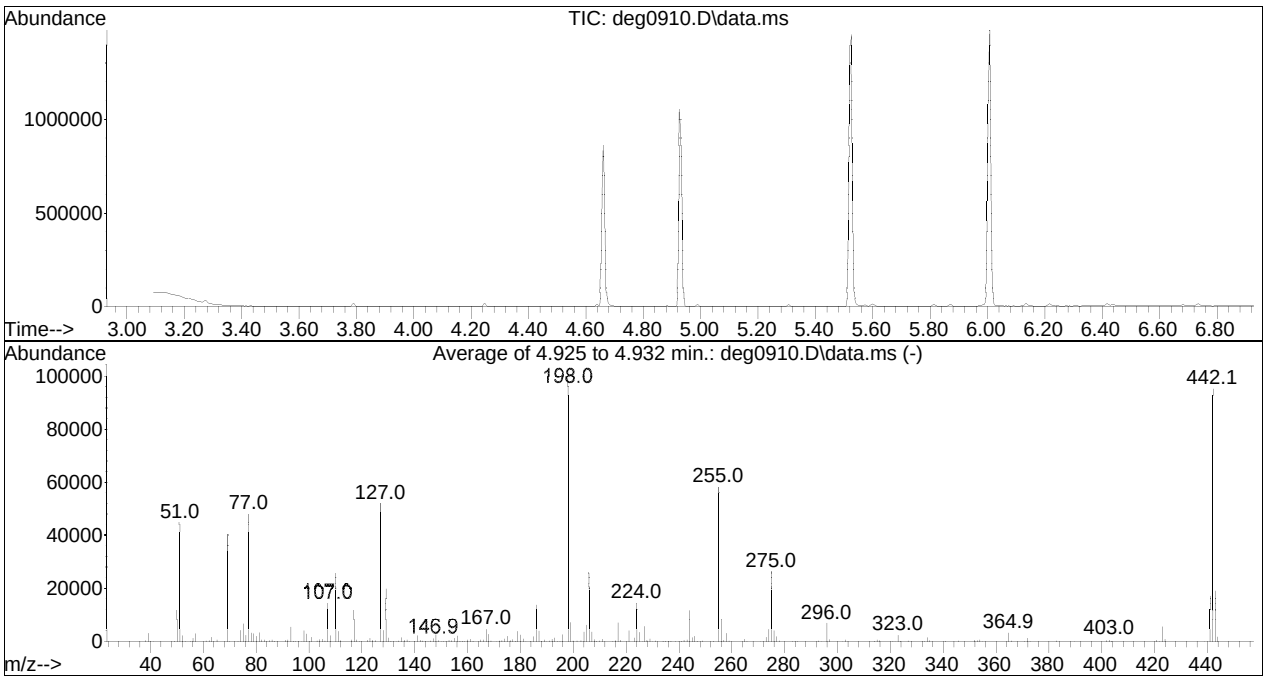
response 205377

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.80
165.10	53.30	50.50
199.10	17.10	15.27

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:14 am
Operator : SV120:rp
Sample : WG1969644-1,32,, dftpp SV120 lot#10993
Misc : WG1969644,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\240910RVT\SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Sep 10 09:11:24 2024



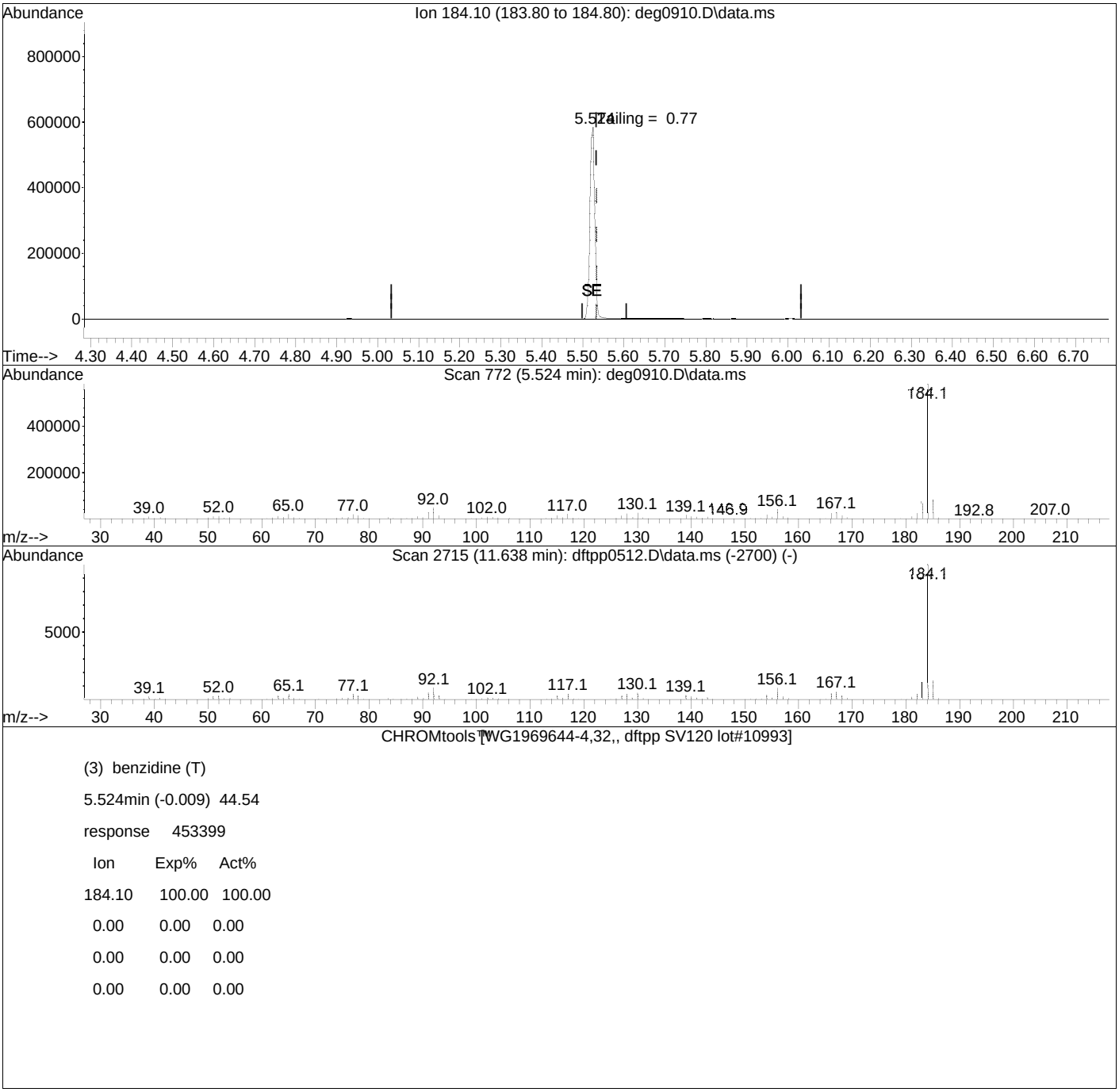
Spectrum Information: Average of 4.925 to 4.932 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.1	44835	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	40277	PASS
70	69	0.00	2	0.6	242	PASS
127	198	10	80	52.2	51896	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	99424	PASS
199	198	5	9	7.0	6946	PASS
275	198	10	60	26.3	26181	PASS
365	198	1	100	3.3	3286	PASS
441	442	0.01	24	18.0	17068	PASS
442	198	50	100	95.6	95045	PASS
443	442	15	24	19.9	18868	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:14 am
Operator : SV120:rp
Sample : WG1969644-4,32,, dftpp SV120 lot#10993
Misc : WG1969644,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:28:18 2024
Quant Method : I:\8270SIM\sv120\240910RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 06 15:55:25 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [WG1969644-4,32,, dftpp SV120 lot#10993]

(3) benzidine (T)

5.524min (-0.009) 44.54

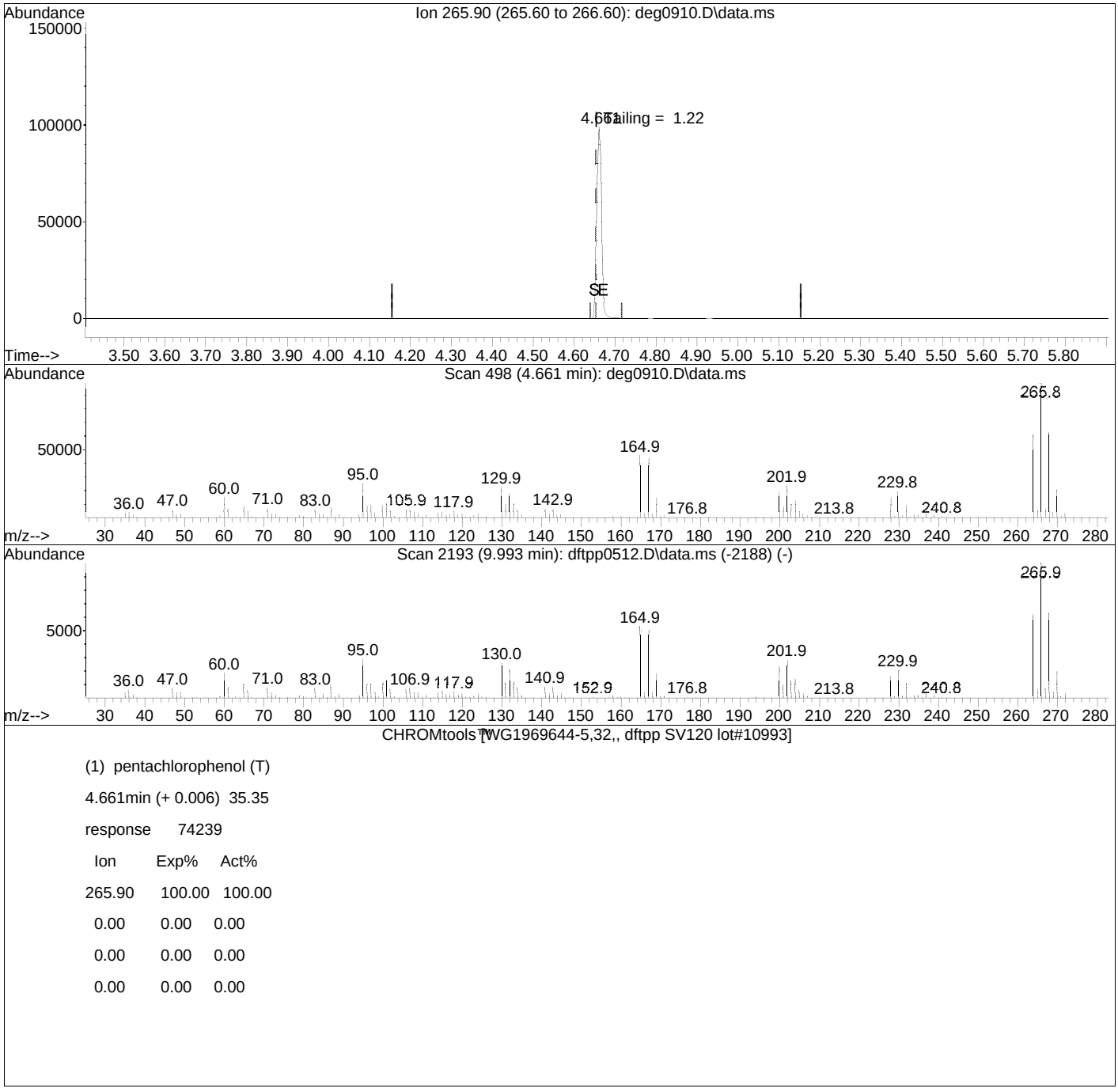
response 453399

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : deg0910.D
Acq On : 10 Sep 2024 08:14 am
Operator : SV120:rp
Sample : WG1969644-5,32,, dftpp SV120 lot#10993
Misc : WG1969644,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 10 08:28:18 2024
Quant Method : I:\8270SIM\sv120\240910RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Sep 06 15:55:25 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools [WG1969644-5,32,, dftpp SV120 lot#10993]

(1) pentachlorophenol (T)

4.661min (+ 0.006) 35.35

response 74239

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-1.D
Acq On : 10 Sep 2024 09:20 am
Operator : sv119:jjw
Sample : WG1968880-1,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 13:33:38 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.233	152	138875	4000.000	ng/ml	-0.01
Standard Area 1 = 174323			Recovery = 79.67%			
8) Naphthalene-d8	2.900	136	494029	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 76.77%			
17) Acenaphthene-d10	3.886	164	276297	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 74.80%			
22) Phenanthrene-d10	4.742	188	584117	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 74.17%			
31) Chrysene-d12	6.410	240	636927M1	4000.000	ng/ml	0.08
Standard Area 1 = 782764			Recovery = 81.37%			
36) Perylene-d12	7.654	264	604239	4000.000	ng/ml	0.09
Standard Area 1 = 778307			Recovery = 77.64%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.651	112	26195	534.715	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.74%			
3) Phenol-d6	2.049	99	25504	412.773	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 20.64%			
7) Nitrobenzene-d5	2.515	82	36390	671.429	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 67.14%			
13) 2-Fluorobiphenyl	3.501	172	82300	644.383	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.44%			
21) 2,4,6-Tribromophenol	4.337	330	15801	819.062	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.95%			
30) 4-Terphenyl-d14	5.719	244	109523	678.262	ng/ml	0.05
Spiked Amount 2000.000	Range 30 - 130		Recovery = 33.91%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-1.D
Acq On : 10 Sep 2024 09:20 am
Operator : sv119:jjw
Sample : WG1968880-1,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 13:33:38 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

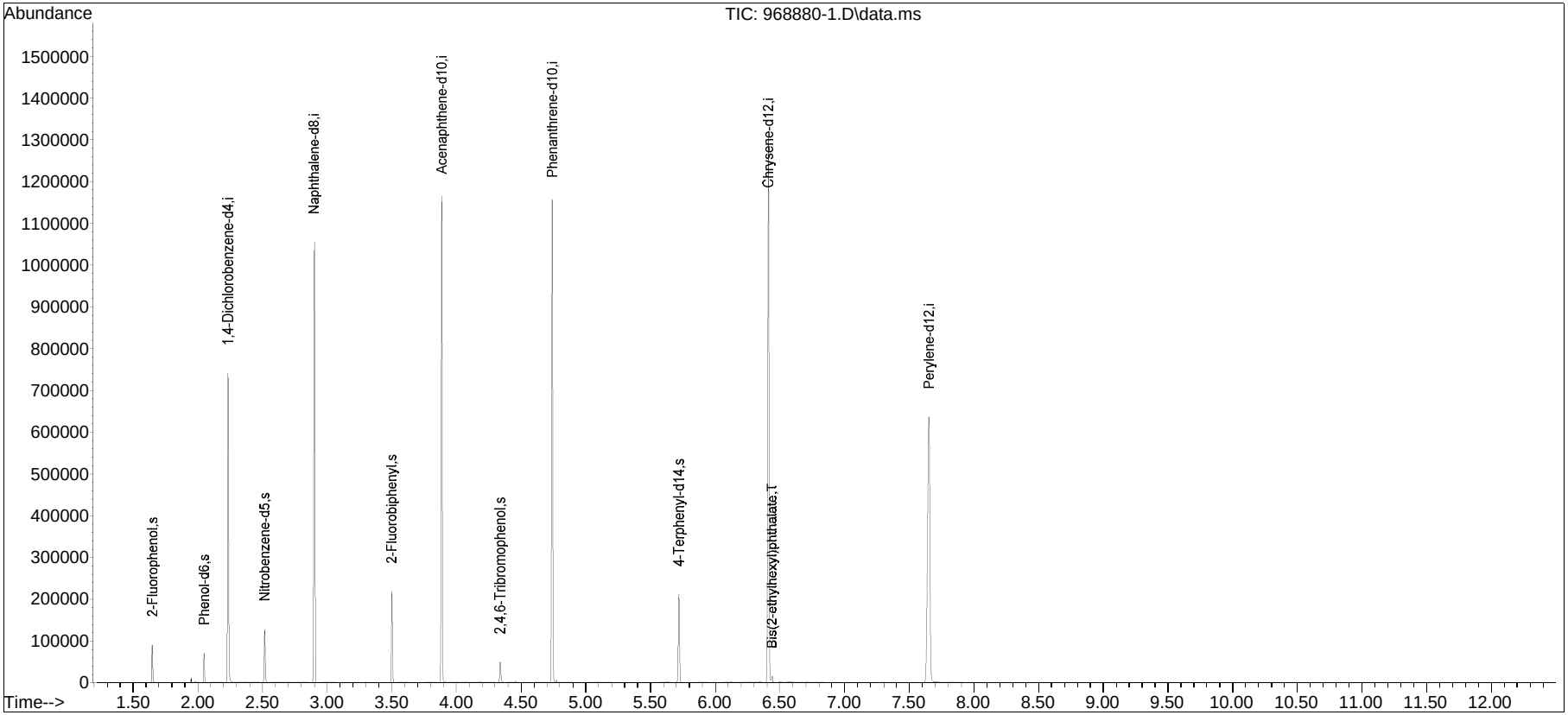
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-1.D
Acq On : 10 Sep 2024 09:20 am
Operator : sv119:jjw
Sample : WG1968880-1,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 10 13:33:38 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•

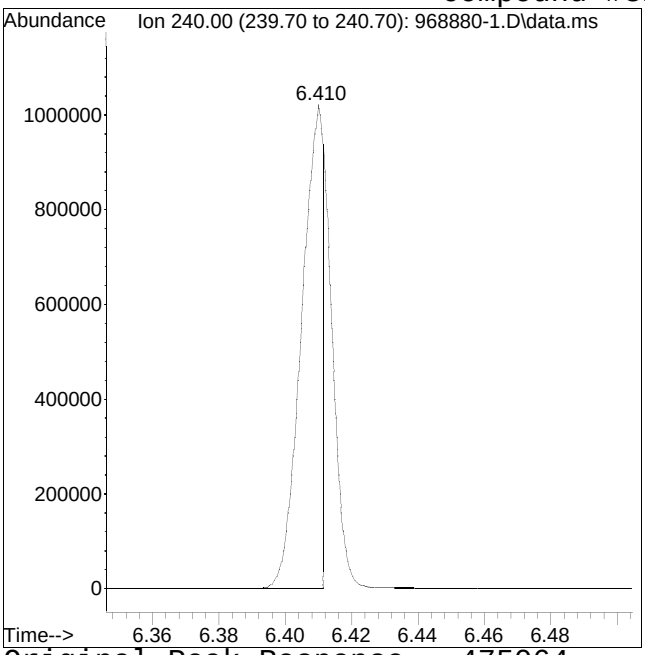


Manual Integration Report

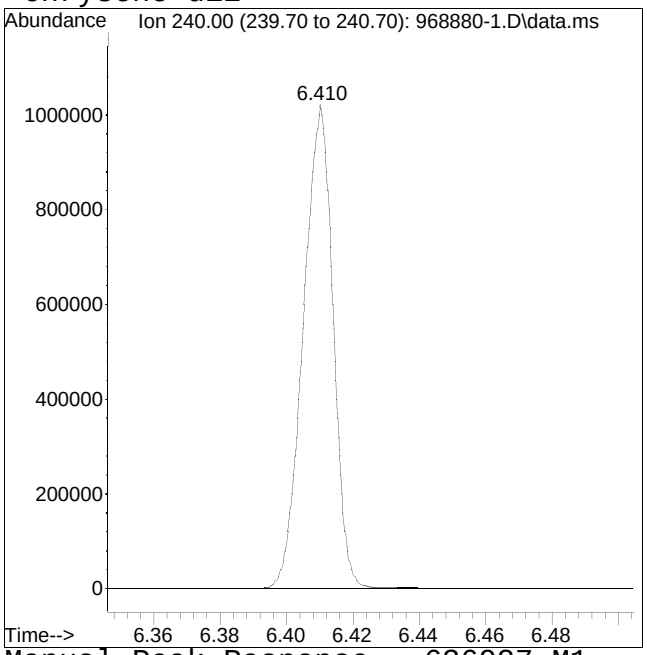
Data Path : I:\8270SIM\sv119\240910RVTQ
Data File : 968880-1.D
Date Inj'd : 9/10/2024 9:20 am
Sample : WG1968880-1,32,,kmh

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 9/10/2024 9:35 am

Compound #31: Chrysene-d12



Original Peak Response = 475064



Manual Peak Response = 636927 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-1.D
Acq On : 10 Sep 2024 09:32 am
Operator : SV120:jjw
Sample : WG1968976-1,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 10:37:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.112	152	233352	4000.000	ng/ml	0.00
Standard Area 1 = 275803			Recovery = 84.61%			
8) Naphthalene-d8	2.764	136	913741	4000.000	ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 83.24%			
17) Acenaphthene-d10	3.729	164	517631	4000.000	ng/ml	0.00
Standard Area 1 = 627546			Recovery = 82.48%			
22) Phenanthrene-d10	4.555	188	1034255	4000.000	ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 84.22%			
31) Chrysene-d12	6.096	240	1029683	4000.000	ng/ml	0.00
Standard Area 1 = 1204331			Recovery = 85.50%			
36) Perylene-d12	7.150	264	1005340	4000.000	ng/ml	0.00
Standard Area 1 = 1217989			Recovery = 82.54%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.550	112	71489	1031.397	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.57%			
3) Phenol-d6	1.937	99	64521	765.243	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.26%			
7) Nitrobenzene-d5	2.387	82	58398	851.015	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.10%			
13) 2-Fluorobiphenyl	3.356	172	142910	725.773	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.58%			
21) 2,4,6-Tribromophenol	4.168	330	34801	1221.176	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 61.06%			
30) 4-Terphenyl-d14	5.468	244	183896	849.013	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 42.45%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-1.D
Acq On : 10 Sep 2024 09:32 am
Operator : SV120:jjw
Sample : WG1968976-1,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 10:37:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

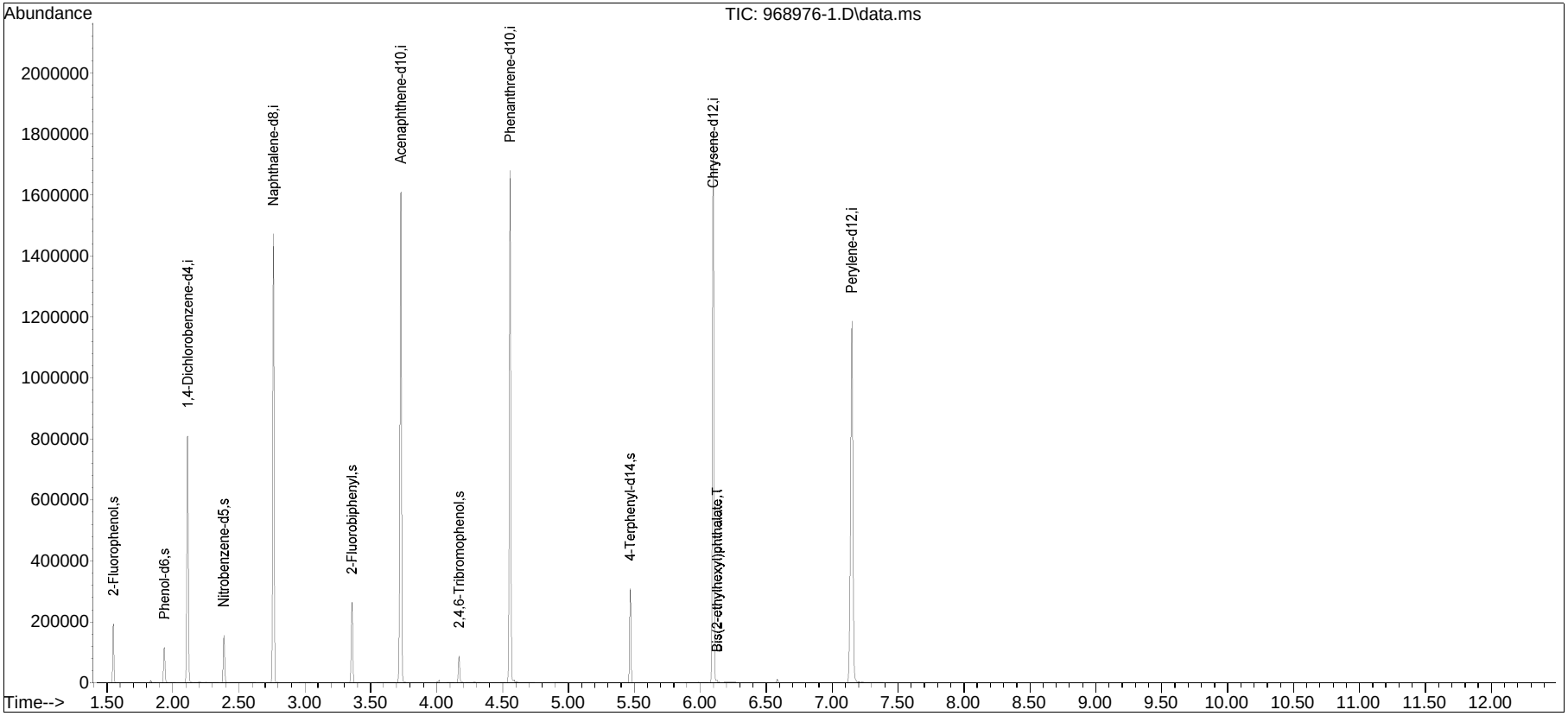
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-1.D
Acq On : 10 Sep 2024 09:32 am
Operator : SV120:jjw
Sample : WG1968976-1,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 10:37:26 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv120\240910RVT	Method	: SIM-RVT_240728_sv120.M
Data File	: 968976-1.D	Operator	: SV120:jjw
Date Inj'd	: 9/10/2024 9:32 am	Instrument	: SV120
Sample	: WG1968976-1,32,,kmh	Quant Date	: 9/10/2024 9:46 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-2.D
Acq On : 10 Sep 2024 09:37 am
Operator : sv119:jjw
Sample : WG1968880-2,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 13:34:17 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.250	152	148725	4000.000	ng/ml	0.00
Standard Area 1 = 174323			Recovery = 85.32%			
8) Naphthalene-d8	2.909	136	555203	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 86.28%			
17) Acenaphthene-d10	3.886	164	314714	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 85.20%			
22) Phenanthrene-d10	4.732	188	671578	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 85.27%			
31) Chrysene-d12	6.321	240	651639	4000.000	ng/ml	0.00
Standard Area 1 = 782764			Recovery = 83.25%			
36) Perylene-d12	7.555	264	660982	4000.000	ng/ml	0.00
Standard Area 1 = 778307			Recovery = 84.93%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.674	112	54743	1043.452	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.17%			
3) Phenol-d6	2.068	99	53939	815.165	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.76%			
7) Nitrobenzene-d5	2.528	82	41096	708.040	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.80%			
13) 2-Fluorobiphenyl	3.506	172	95023	662.023	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.20%			
21) 2,4,6-Tribromophenol	4.336	330	33929	1544.058	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.20%			
30) 4-Terphenyl-d14	5.662	244	123079	662.948	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 33.15%			
Target Compounds						Qvalue
6) Hexachloroethane	2.507	117	26395	1069.706	ng/ml	94
9) Naphthalene	2.921	128	198164	1292.800	ng/ml	100
10) Hexachlorobutadiene	2.991	225	35059	1018.968	ng/ml	100
11) 2-Methylnaphthalene	3.300	142	150454	1306.066	ng/ml	99
14) 2-Chloronaphthalene	3.572	162	166551	1341.949	ng/ml	97
16) Acenaphthylene	3.804	152	260875	1315.649	ng/ml	100
18) Acenaphthene	3.904	153	167375	1523.619	ng/ml	100
20) Fluorene	4.195	166	216745	1496.949	ng/ml	100
24) Hexachlorobenzene	4.517	284	77786	1686.873	ng/ml	100
25) Pentachlorophenol	4.631	266	51335	1722.585	ng/ml	99

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-2.D
Acq On : 10 Sep 2024 09:37 am
Operator : sv119:jjw
Sample : WG1968880-2,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 13:34:17 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.746	178	315952	1618.286	ng/ml	99
27) Anthracene	4.773	178	331174	1641.748	ng/ml	99
28) Fluoranthene	5.432	202	413538	1542.569	ng/ml	99
29) Pyrene	5.567	202	425149	1530.404	ng/ml	98
32) Benzo[a]anthracene	6.313	228	423491	1723.412	ng/ml	100
34) Chrysene	6.338	228	389355	1605.405	ng/ml	98
37) Benzo[b]fluoranthene	7.173	252	428208	1564.151	ng/ml	100
38) Benzo[k]fluoranthene	7.199	252	392654	1552.513	ng/ml	100
39) Benzo[a]pyrene	7.487	252	372302	1535.488	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.791	276	418599	1707.833	ng/ml	97
41) Dibenzo[a,h]anthracene	8.826	278	352796M6	1615.829	ng/ml	
42) Benzo[g,h,i]perylene	9.139	276	386861	1604.640	ng/ml	98

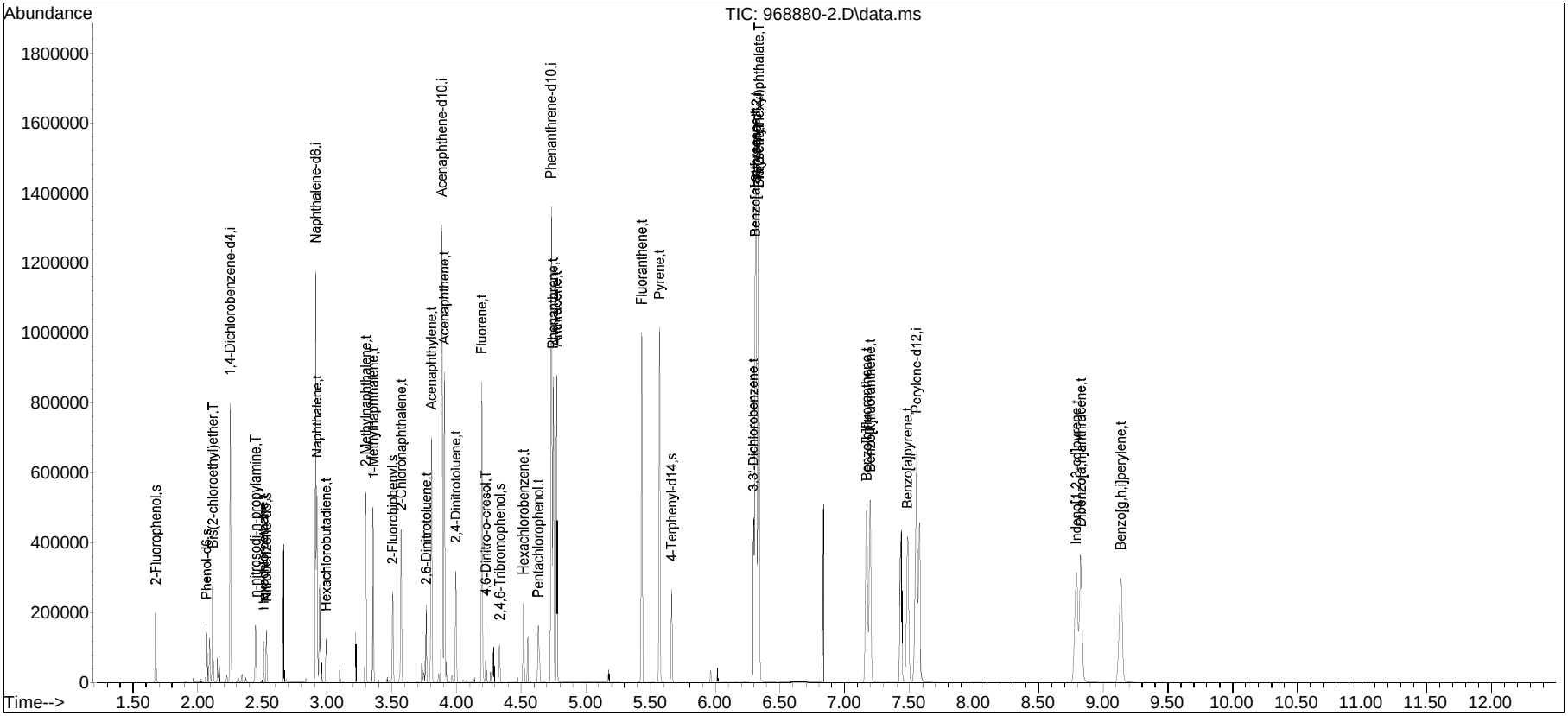
(#) = qualifier out of range (m) = manual integration (+) = signals summed

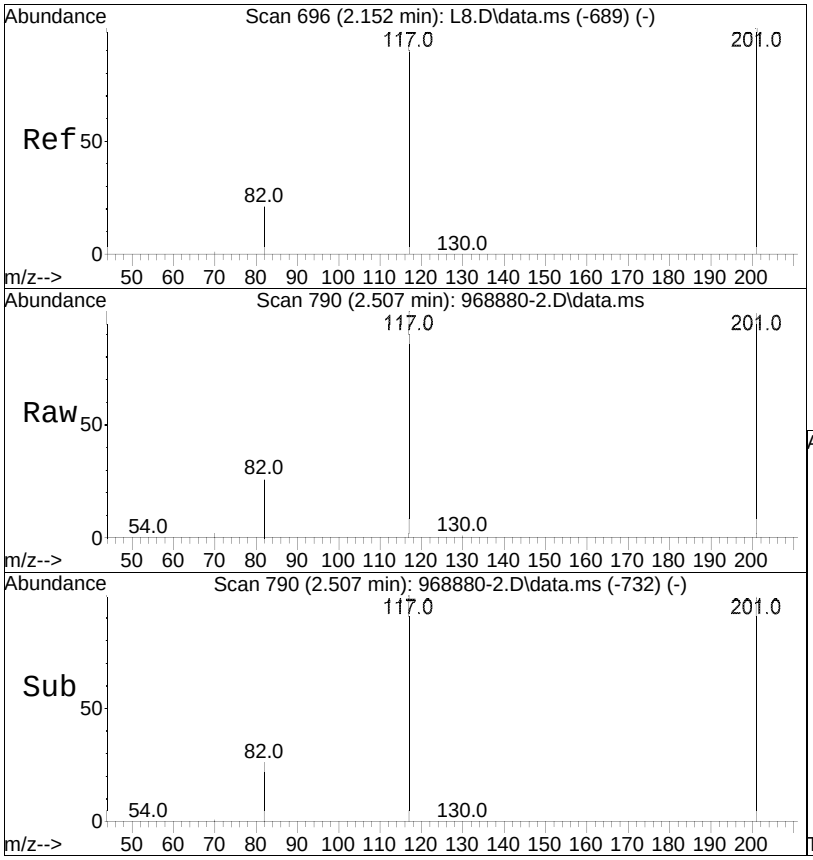
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-2.D
Acq On : 10 Sep 2024 09:37 am
Operator : sv119:jjw
Sample : WG1968880-2,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 13:34:17 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•

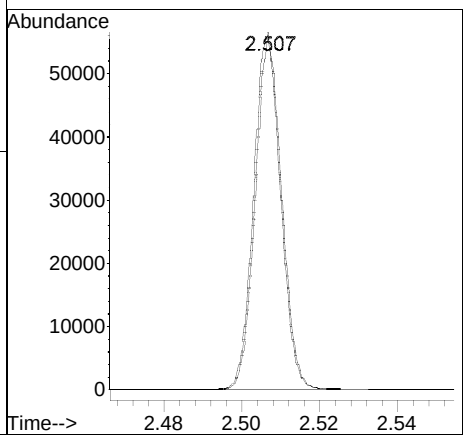


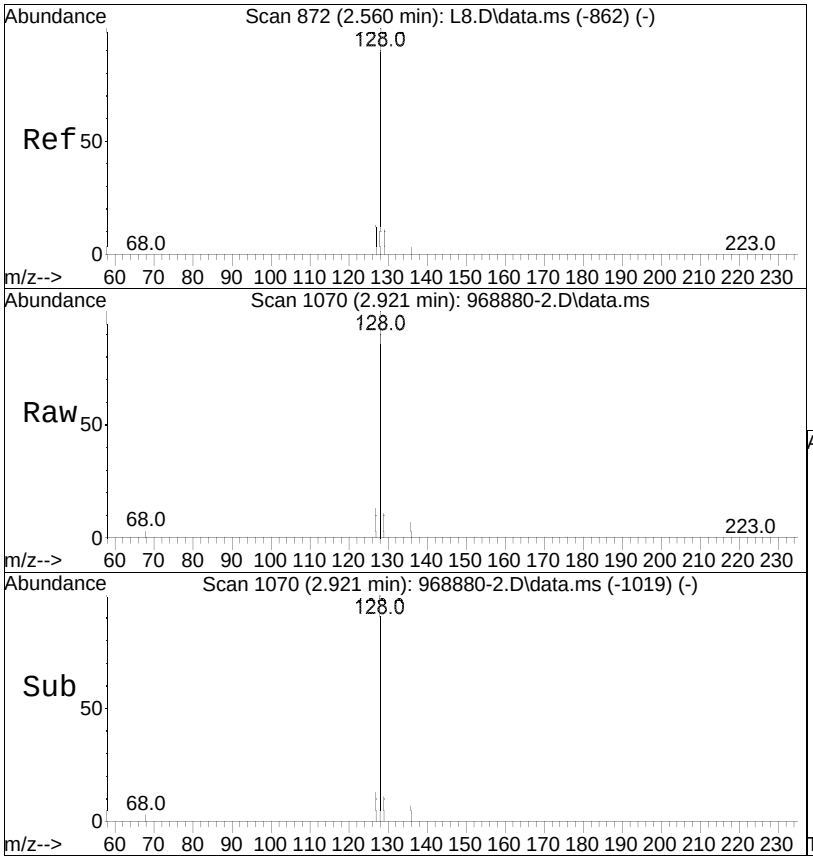


#6
Hexachloroethane
Concen: 1069.71 ng/ml
RT: 2.507 min Scan# 790
Delta R.T. 0.003 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:117 Resp: 26395

Ion	Ratio	Lower	Upper
117	100		
201	97.7	83.0	124.6

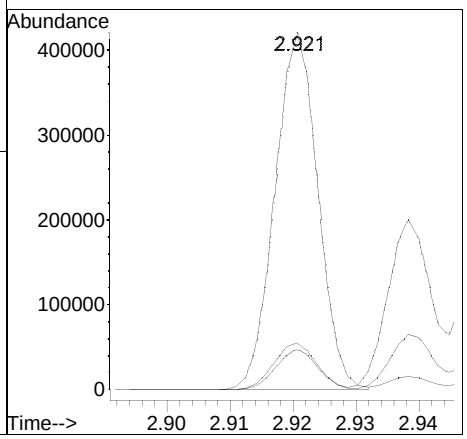


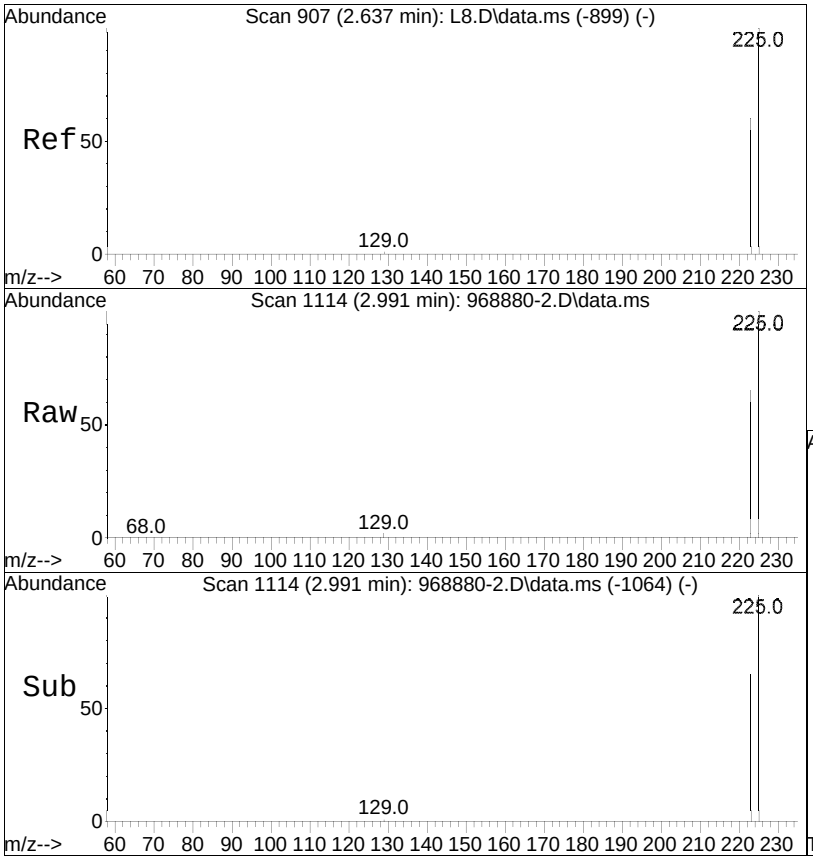


#9
Naphthalene
Concen: 1292.80 ng/ml
RT: 2.921 min Scan# 1070
Delta R.T. 0.001 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:128 Resp: 198164

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8

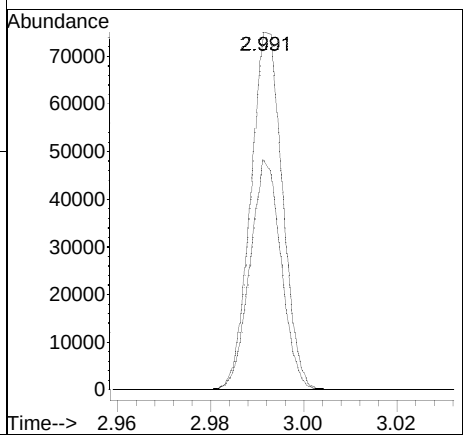


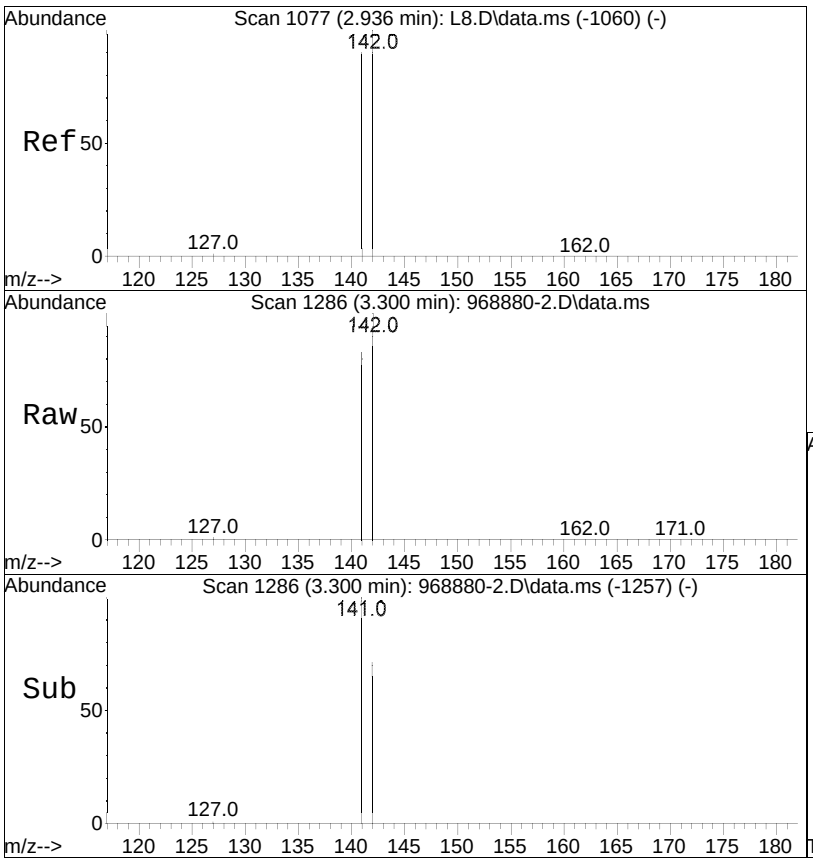


#10
Hexachlorobutadiene
Concen: 1018.97 ng/ml
RT: 2.991 min Scan# 1114
Delta R.T. -0.000 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:225 Resp: 35059

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2

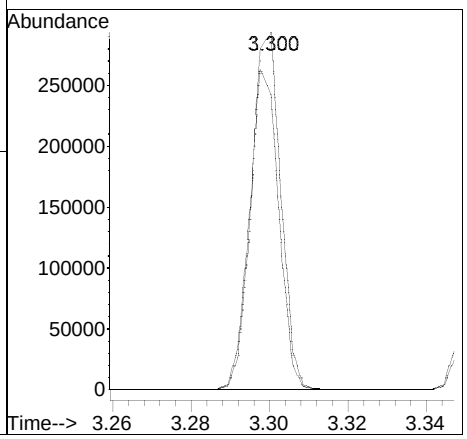


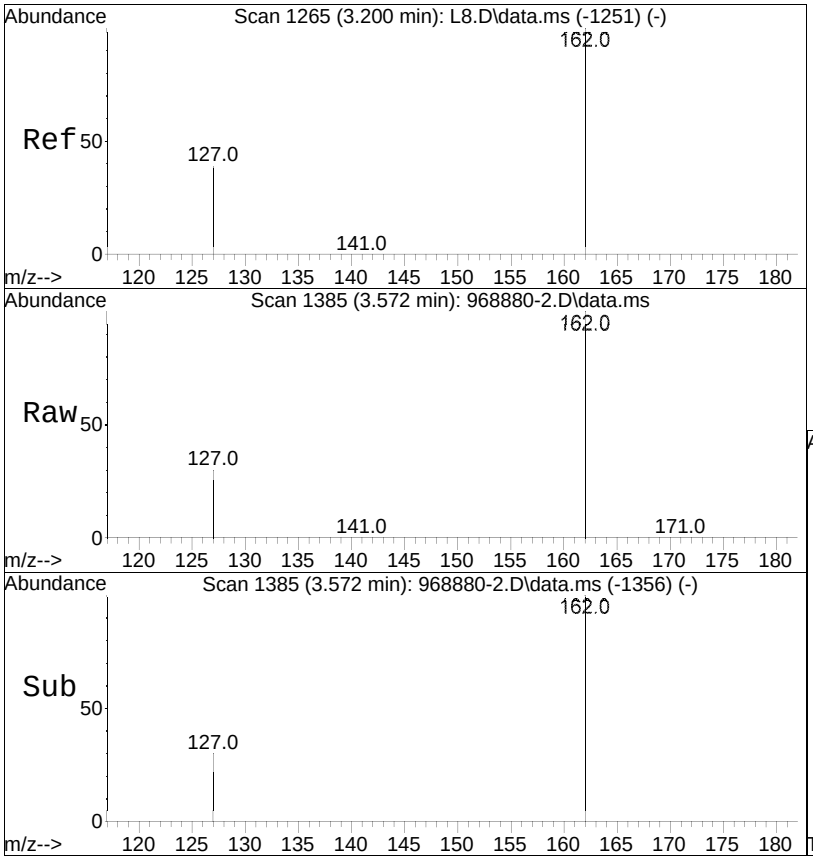


#11
2-Methylnaphthalene
Concen: 1306.07 ng/ml
RT: 3.300 min Scan# 1286
Delta R.T. -0.000 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:142 Resp: 150454

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.3	108.5

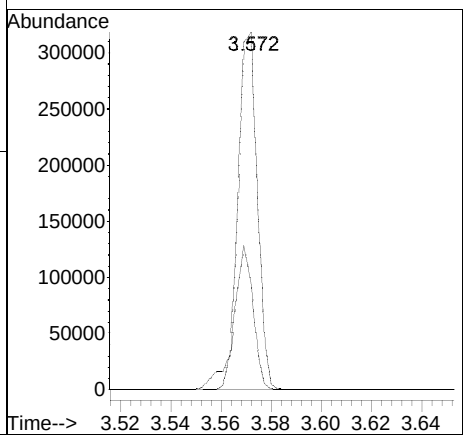


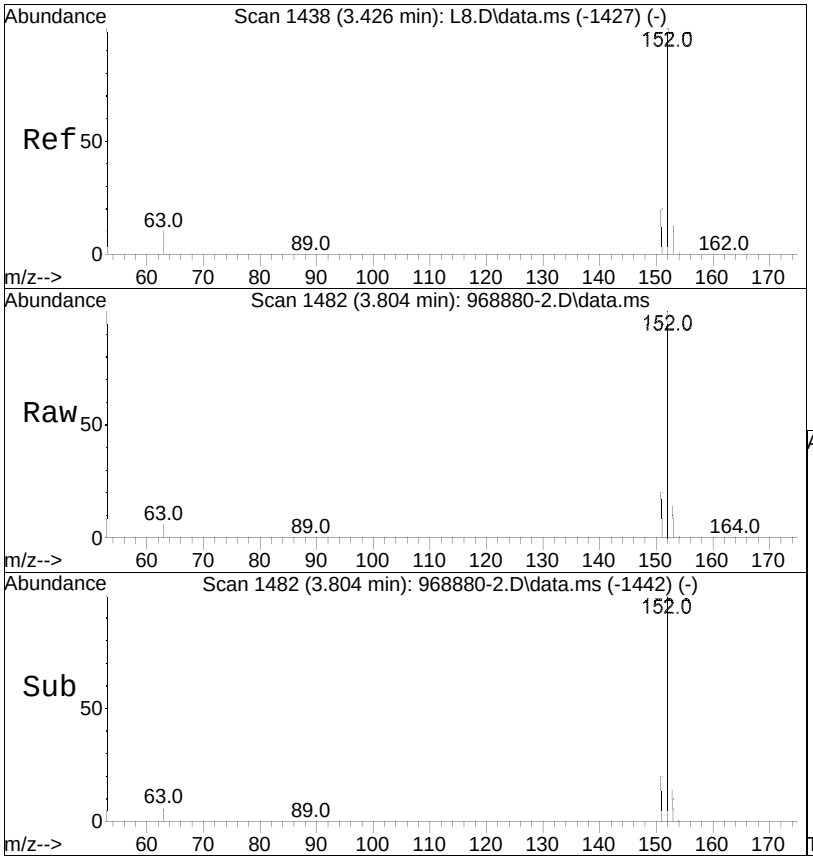


#14
2-Chloronaphthalene
Concen: 1341.95 ng/ml
RT: 3.572 min Scan# 1385
Delta R.T. -0.000 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:162 Resp: 166551

Ion	Ratio	Lower	Upper
162	100		
127	41.7	32.0	48.0

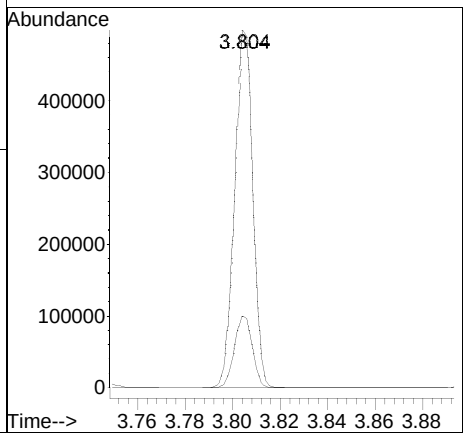


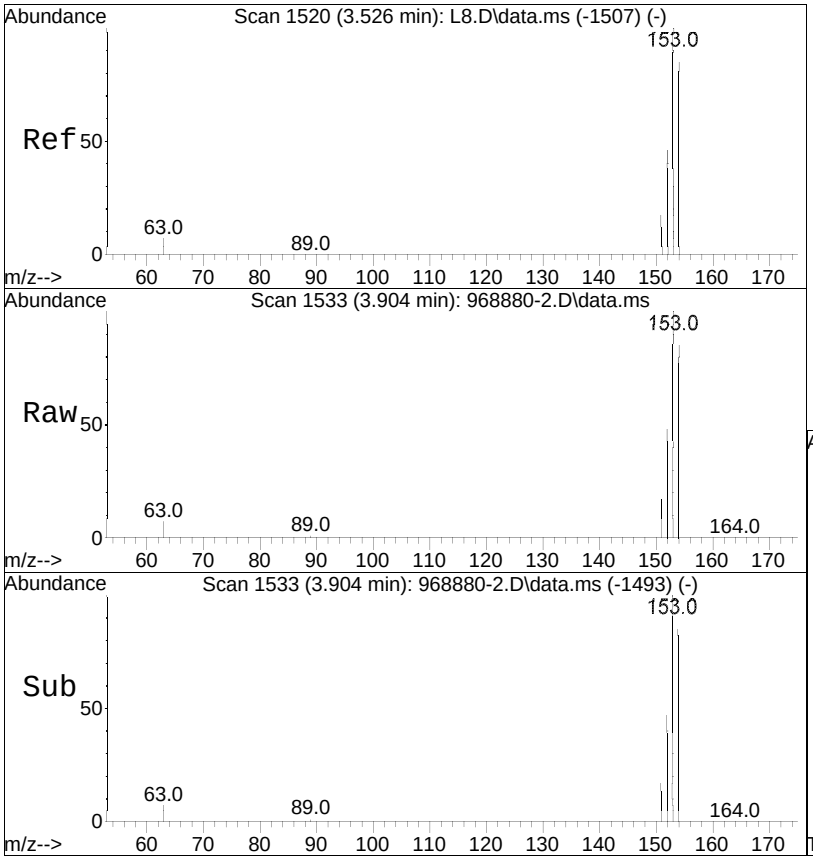


#16
Acenaphthylene
Concen: 1315.65 ng/ml
RT: 3.804 min Scan# 1482
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:152 Resp: 260875

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0

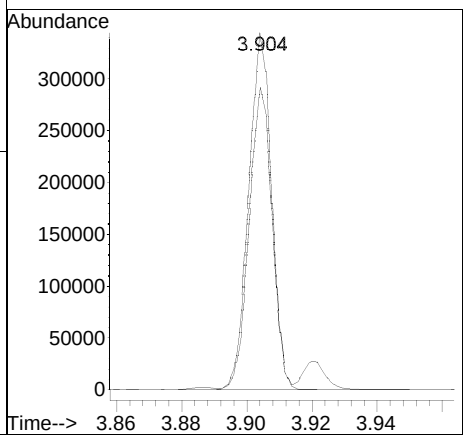


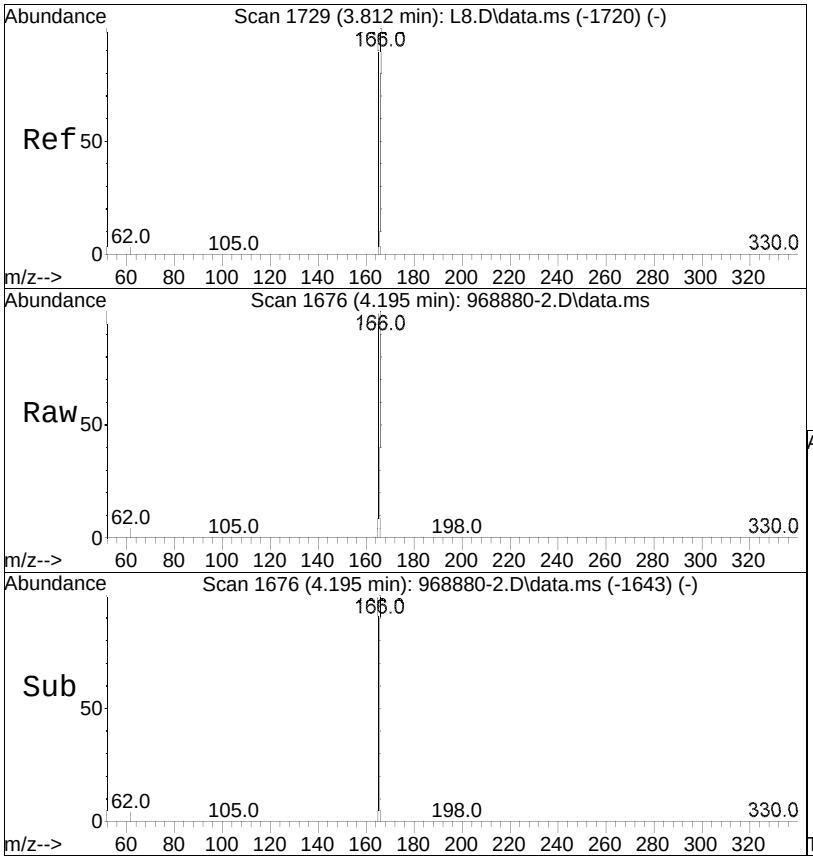


#18
Acenaphthene
Concen: 1523.62 ng/ml
RT: 3.904 min Scan# 1533
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:153 Resp: 167375

Ion	Ratio	Lower	Upper
153	100		
154	84.9	68.1	102.1

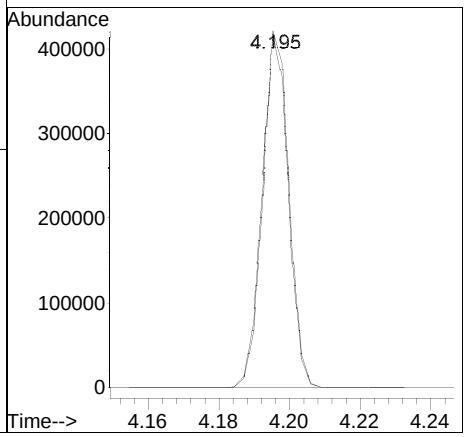


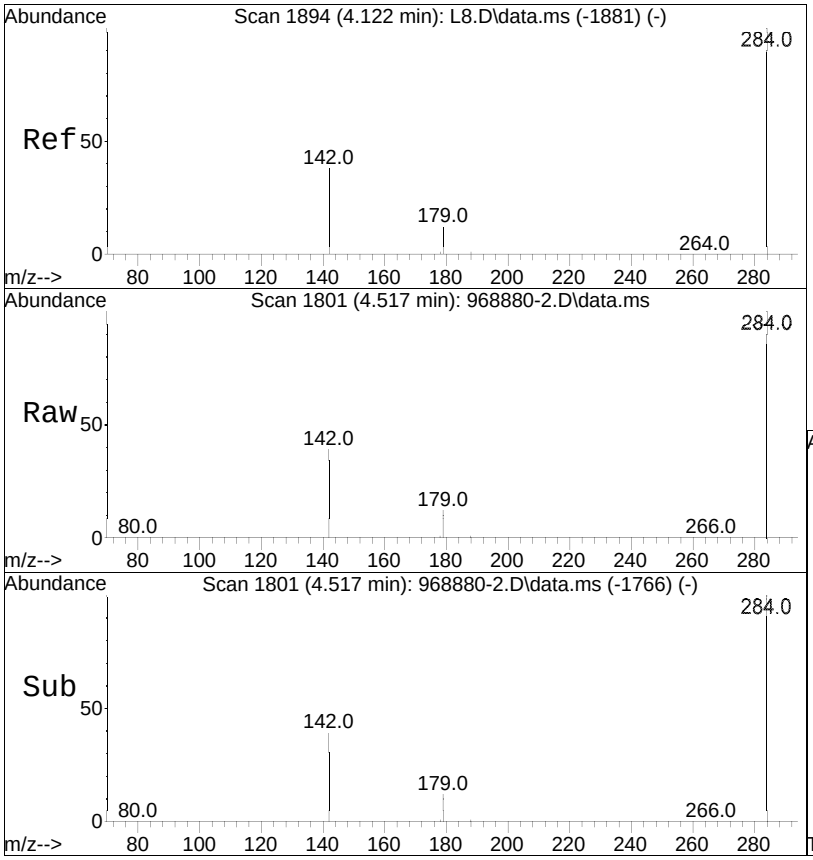


#20
Fluorene
Concen: 1496.95 ng/ml
RT: 4.195 min Scan# 1676
Delta R.T. -0.004 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:166 Resp: 216745

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.3	118.9

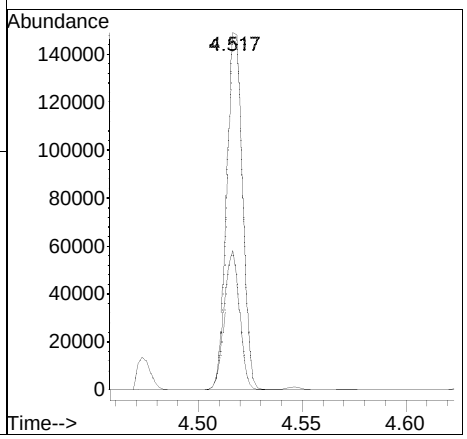


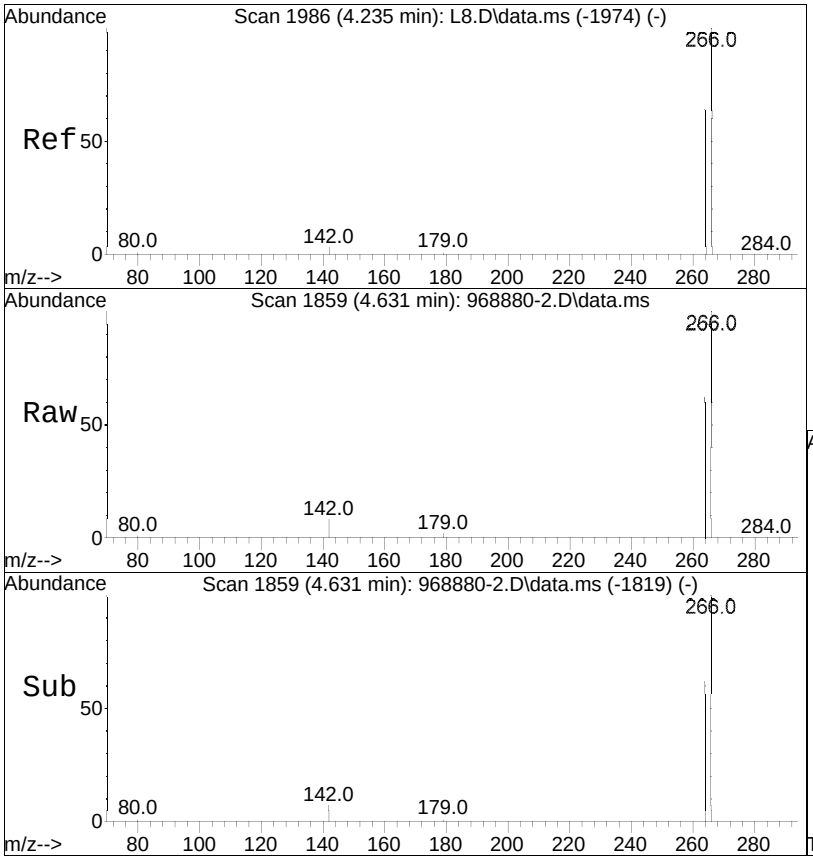


#24
Hexachlorobenzene
Concen: 1686.87 ng/ml
RT: 4.517 min Scan# 1801
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:284 Resp: 77786

Ion	Ratio	Lower	Upper
284	100		
142	37.6	30.0	45.0

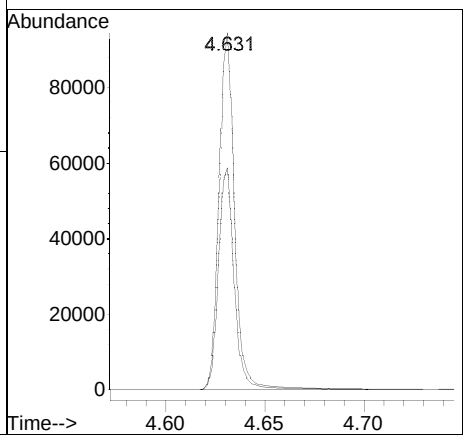


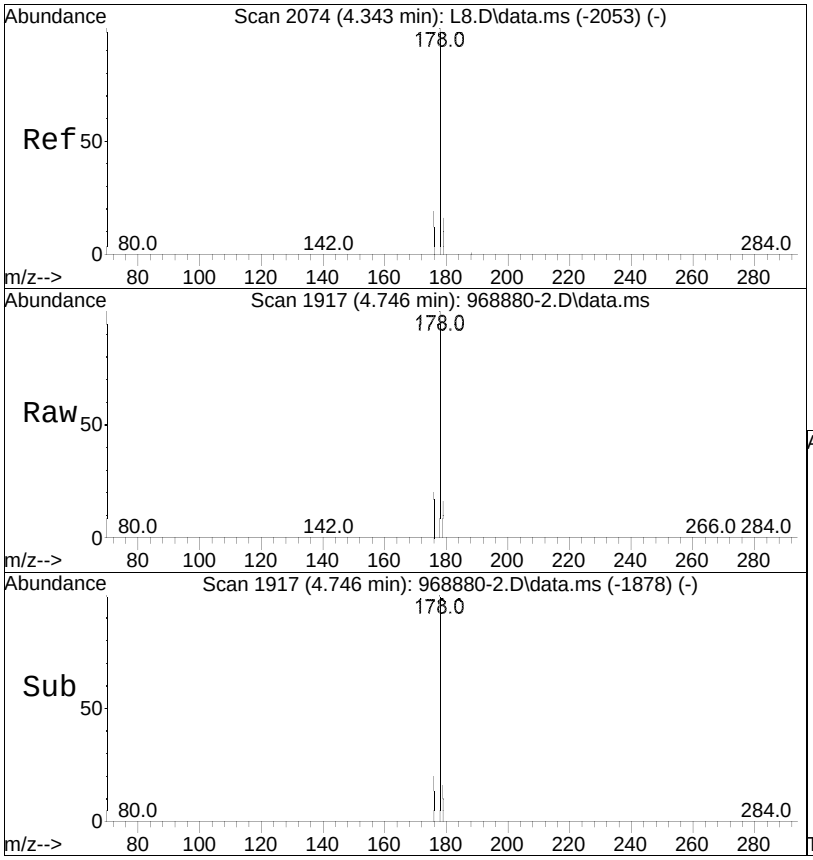


#25
Pentachlorophenol
Concen: 1722.59 ng/ml
RT: 4.631 min Scan# 1859
Delta R.T. -0.000 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:266 Resp: 51335

Ion	Ratio	Lower	Upper
266	100		
264	63.5	49.9	74.9

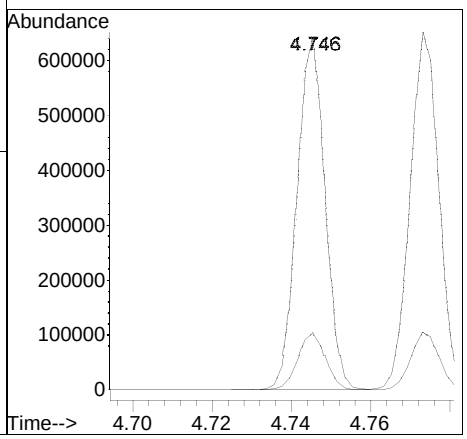


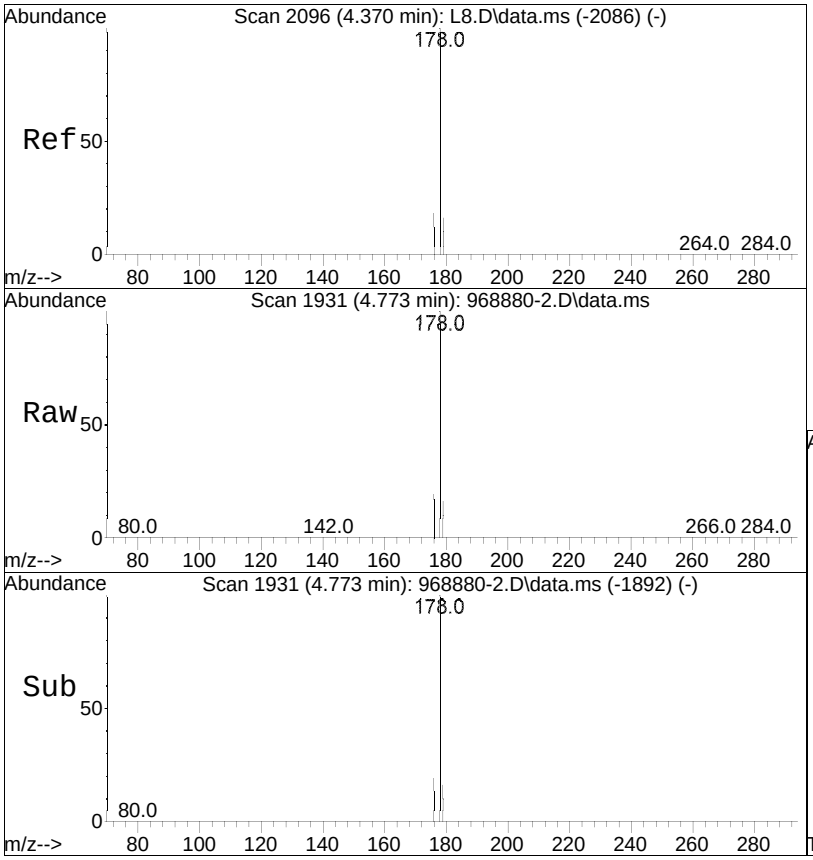


#26
Phenanthrene
Concen: 1618.29 ng/ml
RT: 4.746 min Scan# 1917
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:178 Resp: 315952

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8

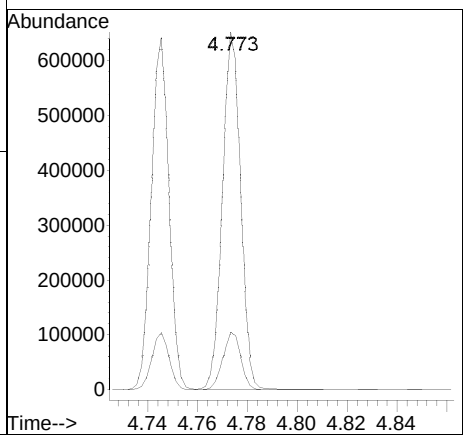


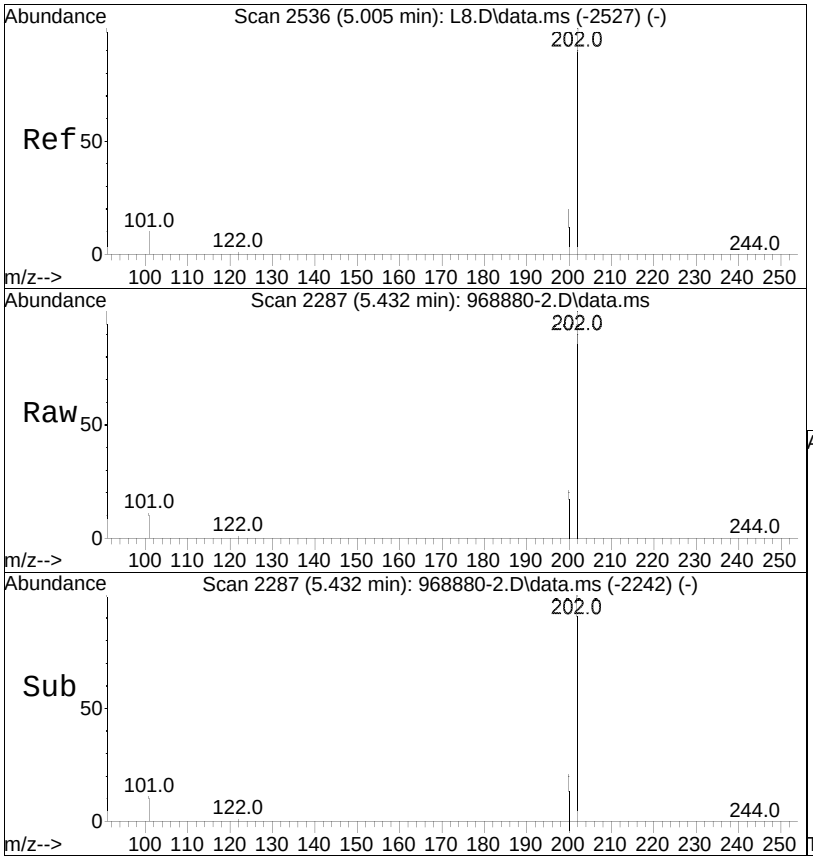


#27
Anthracene
Concen: 1641.75 ng/ml
RT: 4.773 min Scan# 1931
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:178 Resp: 331174

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6

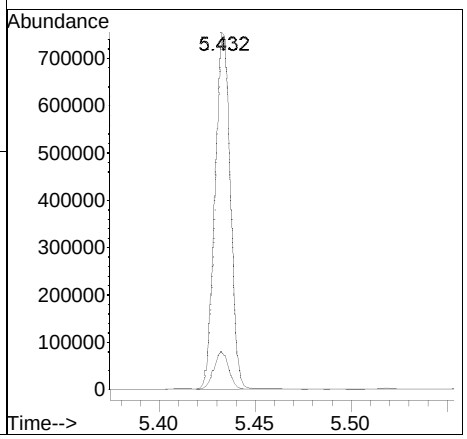


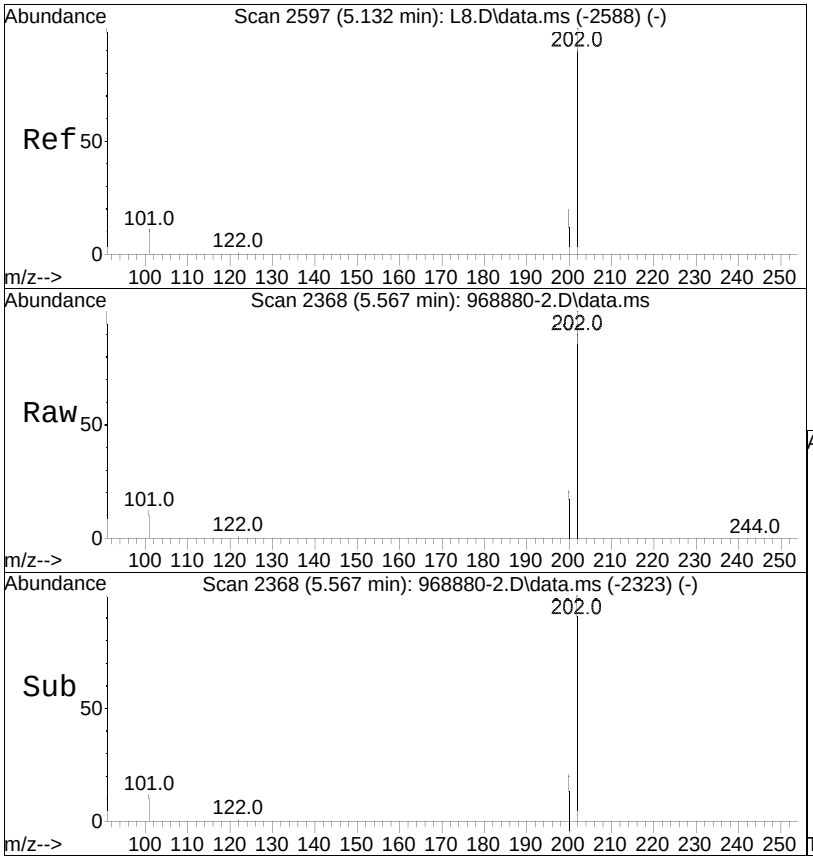


#28
Fluoranthene
Concen: 1542.57 ng/ml
RT: 5.432 min Scan# 2287
Delta R.T. -0.005 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:202 Resp: 413538

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.1	12.1

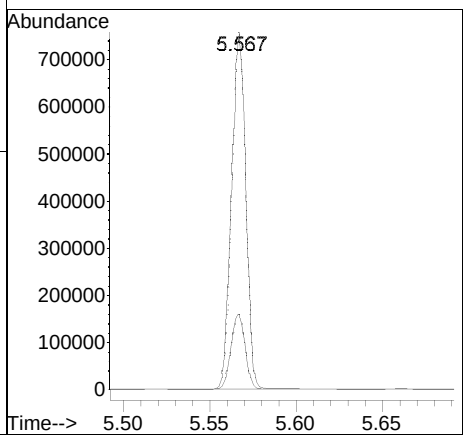


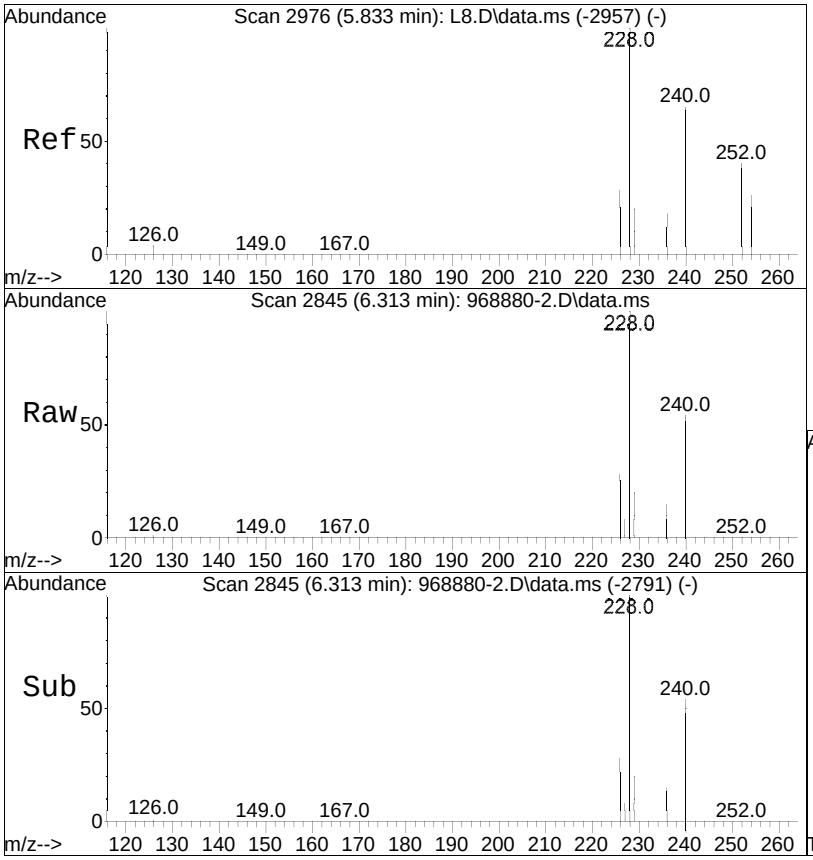


#29
Pyrene
Concen: 1530.40 ng/ml
RT: 5.567 min Scan# 2368
Delta R.T. -0.005 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:202 Resp: 425149

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7

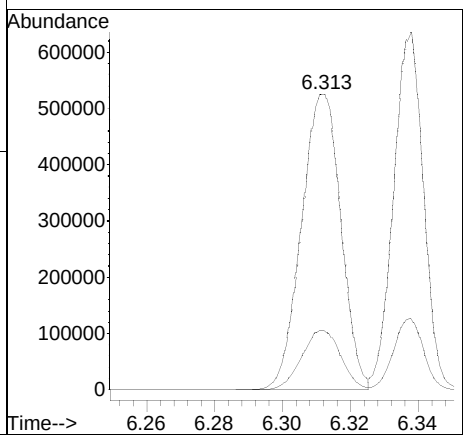


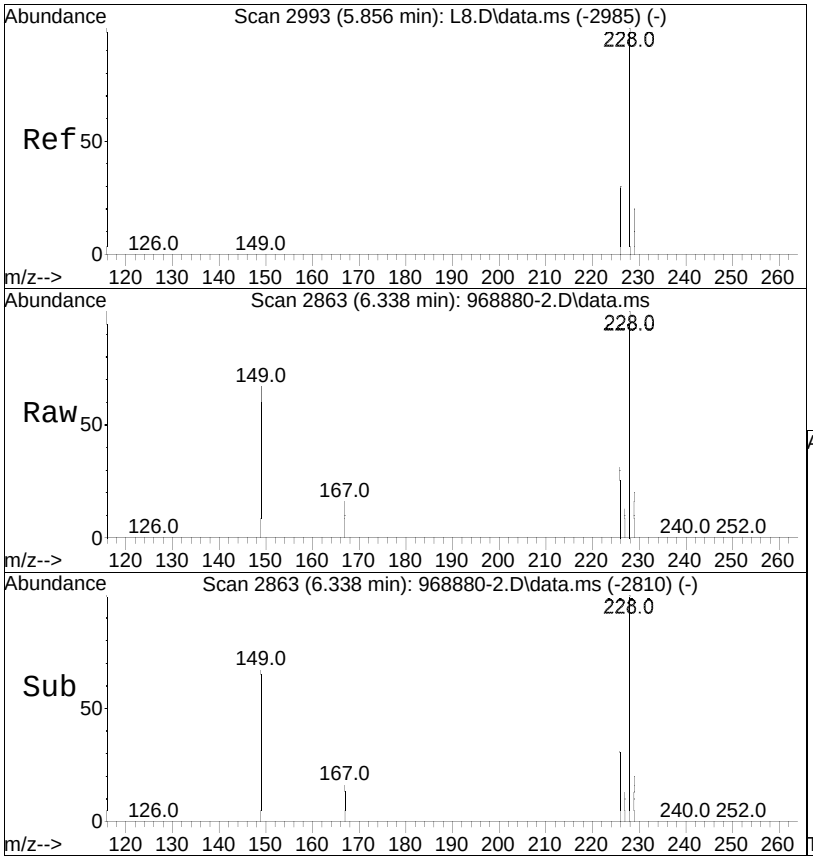


#32
Benzo[a]anthracene
Concen: 1723.41 ng/ml
RT: 6.313 min Scan# 2845
Delta R.T. -0.004 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:228 Resp: 423491

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

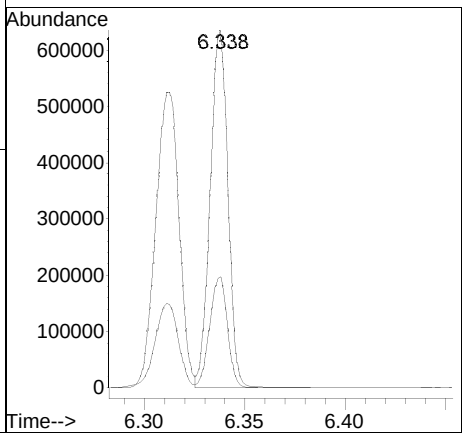


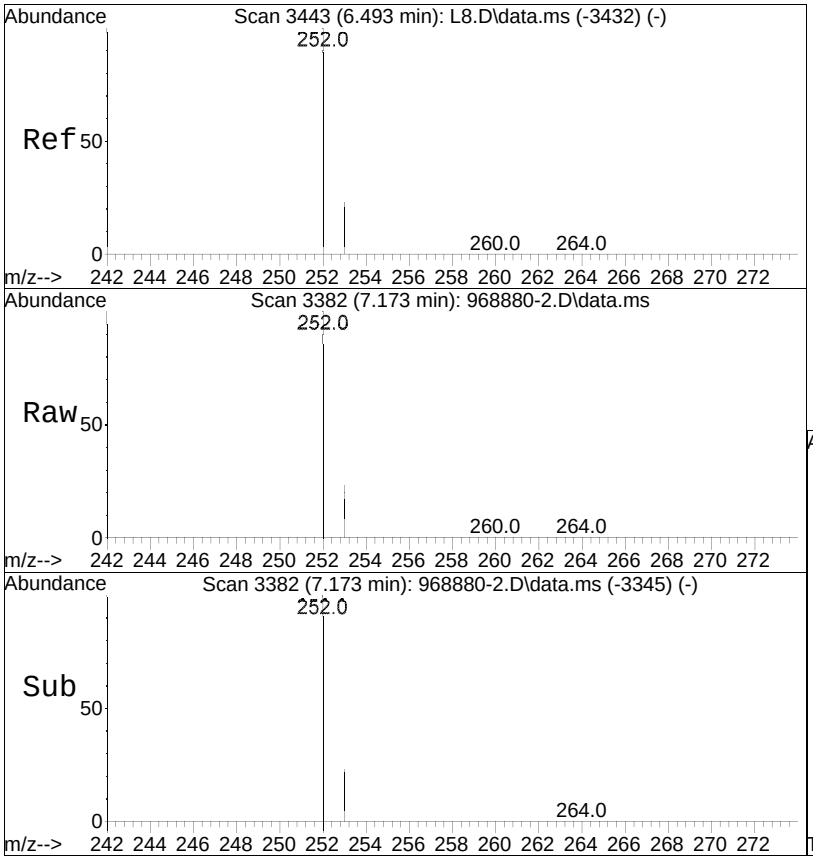


#34
Chrysene
Concen: 1605.40 ng/ml
RT: 6.338 min Scan# 2863
Delta R.T. -0.006 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:228 Resp: 389355

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9

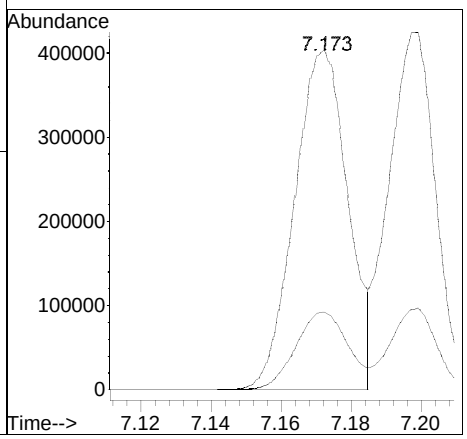


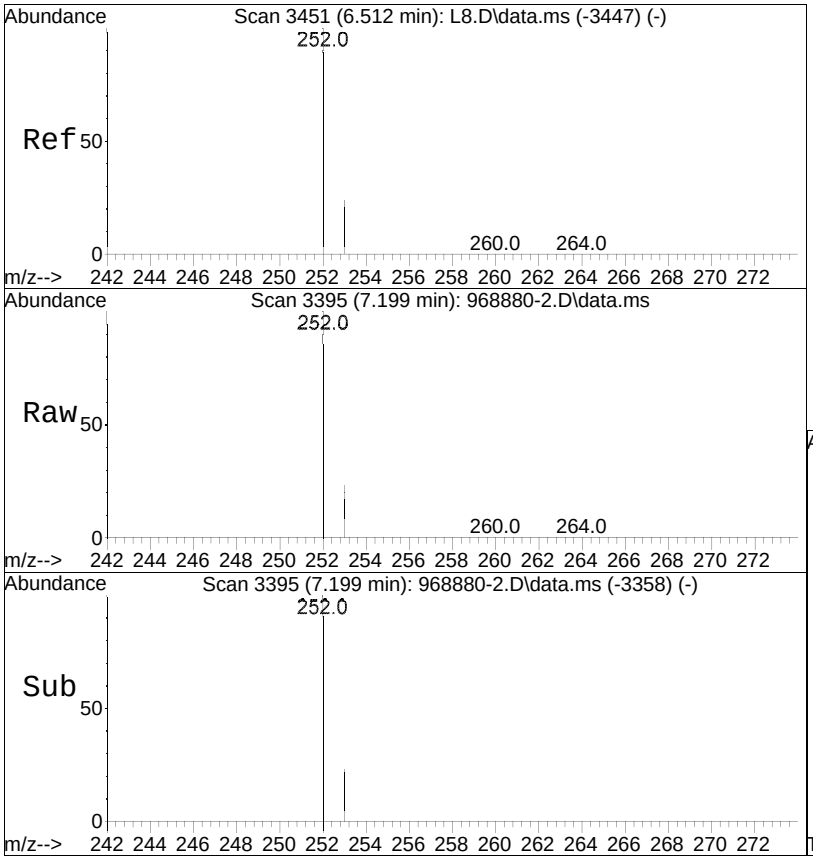


#37
Benzo[b]fluoranthene
Concen: 1564.15 ng/ml
RT: 7.173 min Scan# 3382
Delta R.T. -0.004 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:252 Resp: 428208

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0

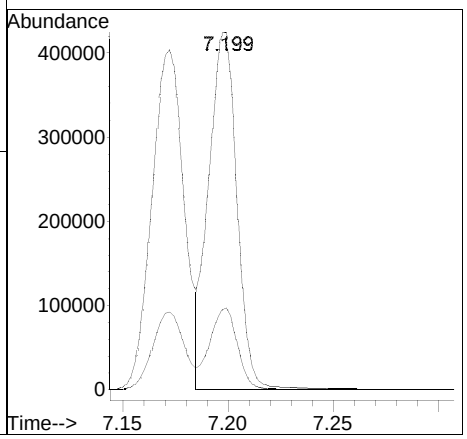


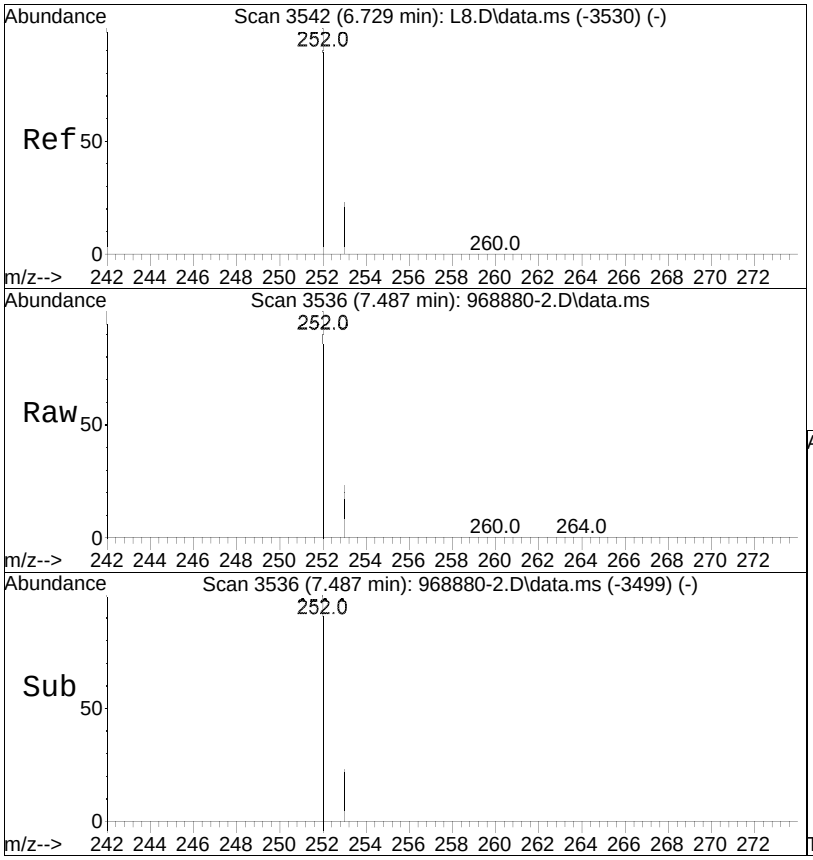


#38
Benzo[k]fluoranthene
Concen: 1552.51 ng/ml
RT: 7.199 min Scan# 3395
Delta R.T. -0.004 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:252 Resp: 392654

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5

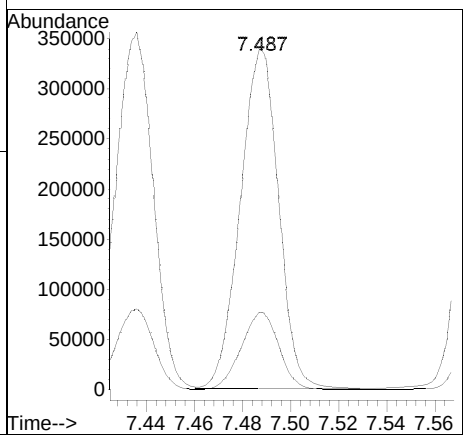


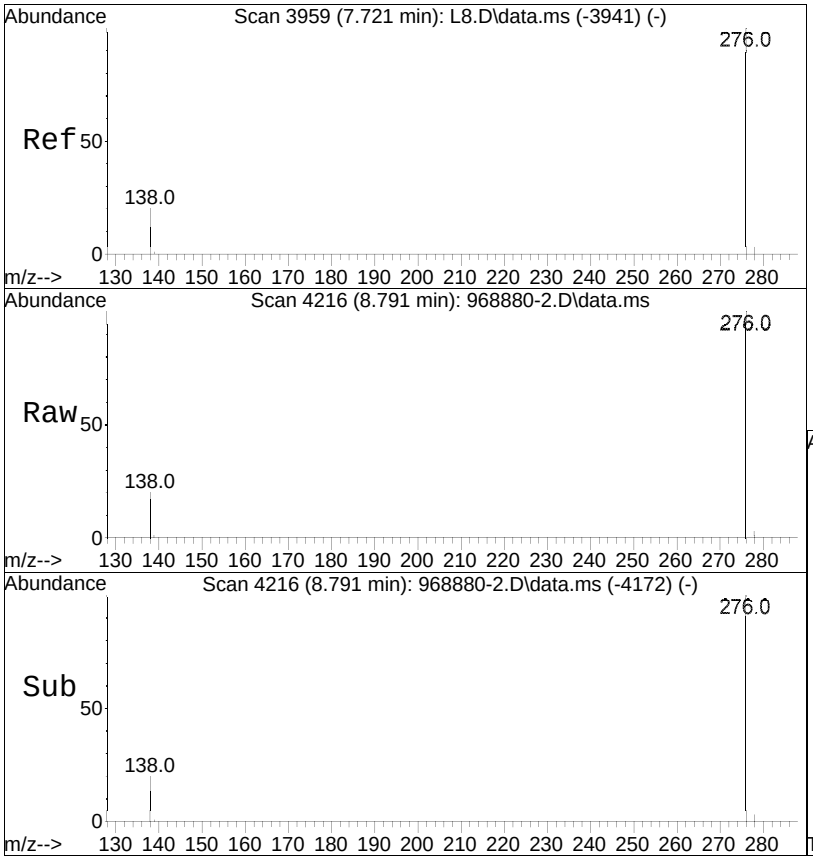


#39
Benzo[a]pyrene
Concen: 1535.49 ng/ml
RT: 7.487 min Scan# 3536
Delta R.T. -0.004 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:252 Resp: 372302

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9

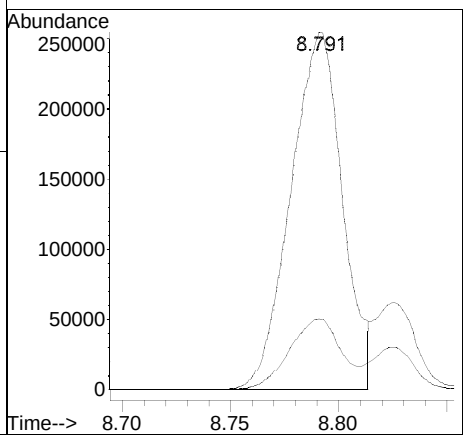


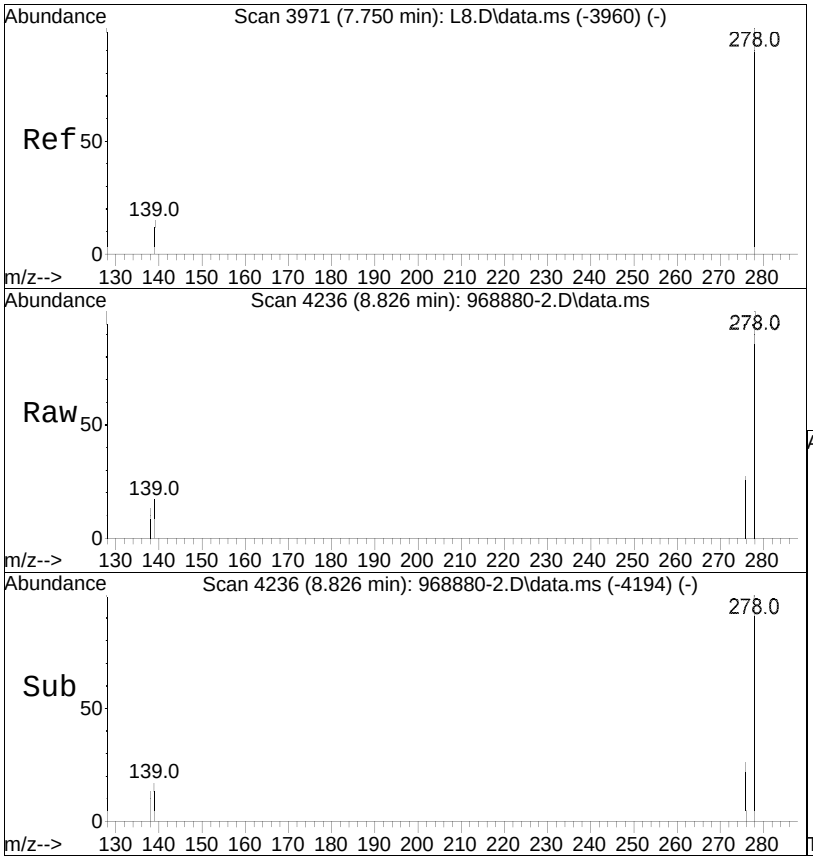


#40
Indeno[1,2,3-cd]pyrene
Concen: 1707.83 ng/ml
RT: 8.791 min Scan# 4216
Delta R.T. -0.003 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:276 Resp: 418599

Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.1	22.7

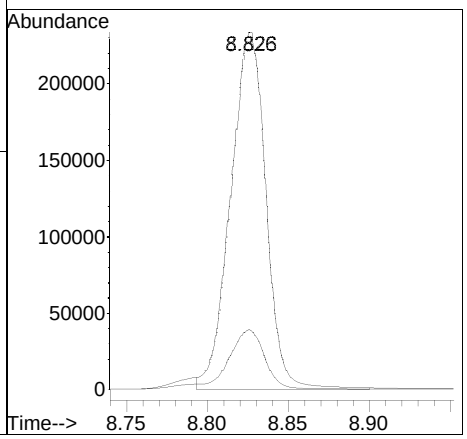


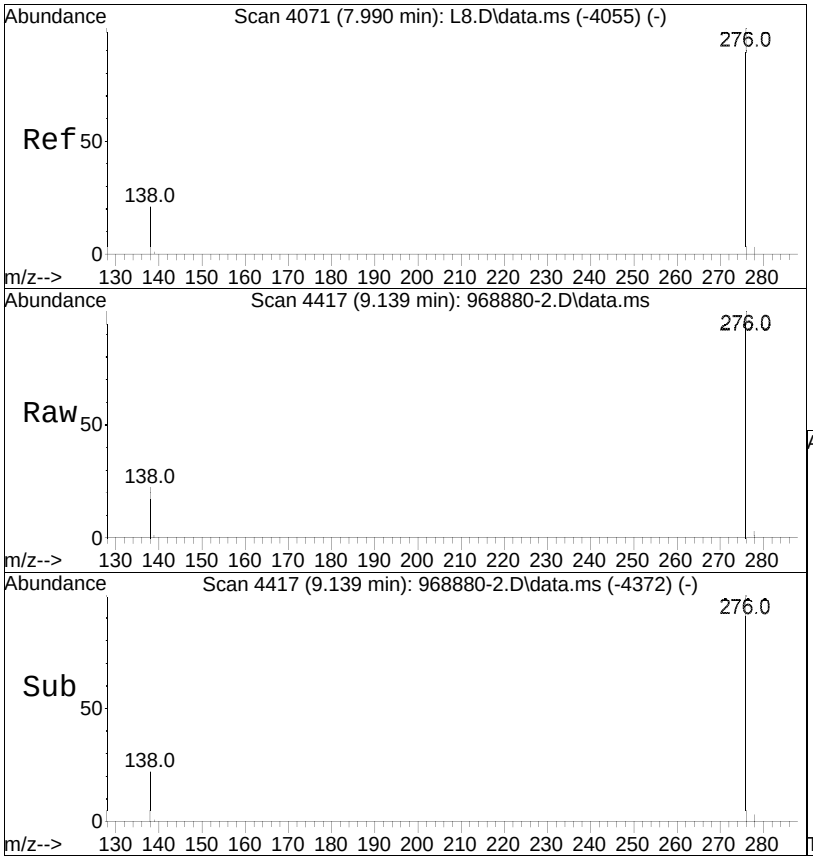


#41
Dibenzo[a,h]anthracene
Concen: 1615.83 ng/ml M6
RT: 8.826 min Scan# 4236
Delta R.T. -0.007 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:278 Resp: 352796

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.3	19.9

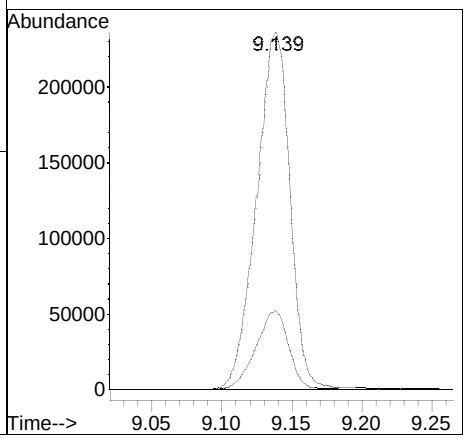




#42
Benzo[g,h,i]perylene
Concen: 1604.64 ng/ml
RT: 9.139 min Scan# 4417
Delta R.T. -0.002 min
Lab File: 968880-2.D
Acq: 10 Sep 2024 09:37 am

Tgt Ion:276 Resp: 386861

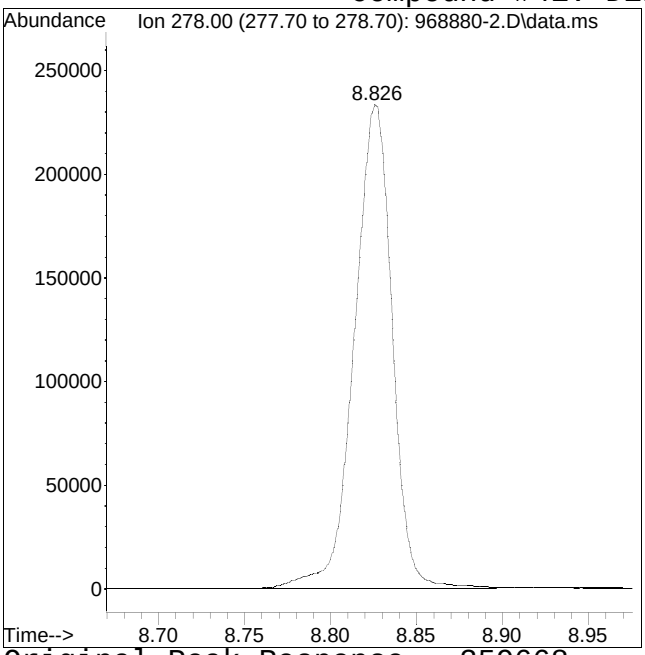
Ion	Ratio	Lower	Upper
276	100		
138	21.9	16.9	25.3



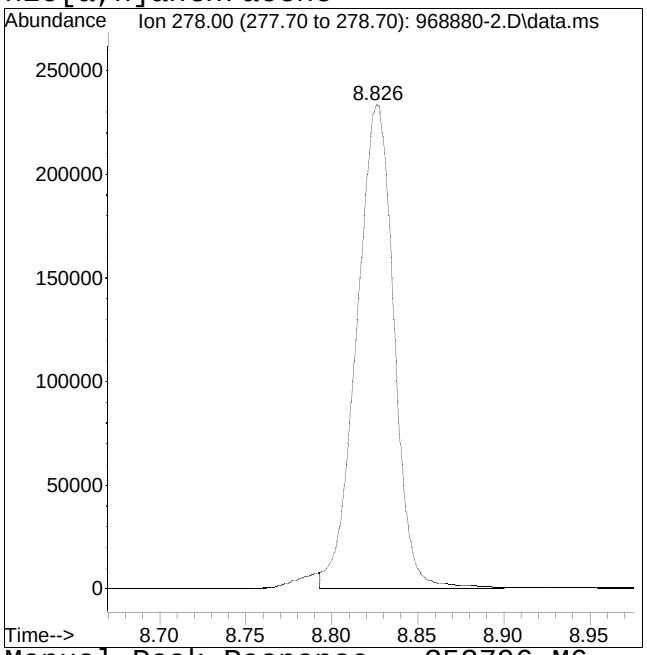
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 968880-2.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 9:37 am Instrument : SV119
Sample : WG1968880-2,32,,kmh Quant Date : 9/10/2024 9:51 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 359668



Manual Peak Response = 352796 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-2.D
Acq On : 10 Sep 2024 09:48 am
Operator : SV120:jjw
Sample : WG1968976-2,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 10:38:04 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.119	152	249382	4000.000	ng/ml	0.00
Standard Area 1 = 275803			Recovery = 90.42%			
8) Naphthalene-d8	2.769	136	999811	4000.000	ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 91.08%			
17) Acenaphthene-d10	3.734	164	566643	4000.000	ng/ml	0.00
Standard Area 1 = 627546			Recovery = 90.30%			
22) Phenanthrene-d10	4.560	188	1116841	4000.000	ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 90.94%			
31) Chrysene-d12	6.086	240	1028918	4000.000	ng/ml	-0.02
Standard Area 1 = 1204331			Recovery = 85.43%			
36) Perylene-d12	7.136	264	1011369	4000.000	ng/ml	-0.02
Standard Area 1 = 1217989			Recovery = 83.04%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.568	112	81000	1093.498	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.67%			
3) Phenol-d6	1.943	99	76750	851.772	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.59%			
7) Nitrobenzene-d5	2.396	82	61565	839.498	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.95%			
13) 2-Fluorobiphenyl	3.361	172	152586	708.203	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.82%			
21) 2,4,6-Tribromophenol	4.173	330	44937	1440.460	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 72.02%			
30) 4-Terphenyl-d14	5.464	244	191167	817.318	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 40.87%			
Target Compounds						Qvalue
6) Hexachloroethane	2.371	117	45823	1309.830	ng/ml	95
9) Naphthalene	2.779	128	379237	1320.915	ng/ml#	99
10) Hexachlorobutadiene	2.854	225	66749	1353.486	ng/ml	100
11) 2-Methylnaphthalene	3.155	142	263276	1444.708	ng/ml	99
14) 2-Chloronaphthalene	3.424	162	264009	1425.849	ng/ml	93
16) Acenaphthylene	3.653	152	422980	1591.266	ng/ml	100
18) Acenaphthene	3.750	153	287209	1405.523	ng/ml	97
20) Fluorene	4.038	166	326697	1442.771	ng/ml	99
24) Hexachlorobenzene	4.351	284	109375	1396.702	ng/ml	97
25) Pentachlorophenol	4.463	266	65672	1714.600	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-2.D
Acq On : 10 Sep 2024 09:48 am
Operator : SV120:jjw
Sample : WG1968976-2,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 10:38:04 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.571	178	491662	1482.529	ng/ml	100
27) Anthracene	4.601	178	503582	1573.893	ng/ml	100
28) Fluoranthene	5.240	202	589631	1645.477	ng/ml	100
29) Pyrene	5.369	202	607241	1626.552	ng/ml	99
32) Benzo[a]anthracene	6.078	228	564179	1450.941	ng/ml	100
34) Chrysene	6.098	228	533371	1425.241	ng/ml	97
37) Benzo[b]fluoranthene	6.807	252	552464	1618.300	ng/ml	100
38) Benzo[k]fluoranthene	6.831	252	516680	1606.402	ng/ml	99
39) Benzo[a]pyrene	7.077	252	479981	1758.039	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.198	276	504093	1970.400	ng/ml	94
41) Dibenzo[a,h]anthracene	8.231	278	469072M6	1953.699	ng/ml	
42) Benzo[g,h,i]perylene	8.502	276	459333	1756.490	ng/ml	94

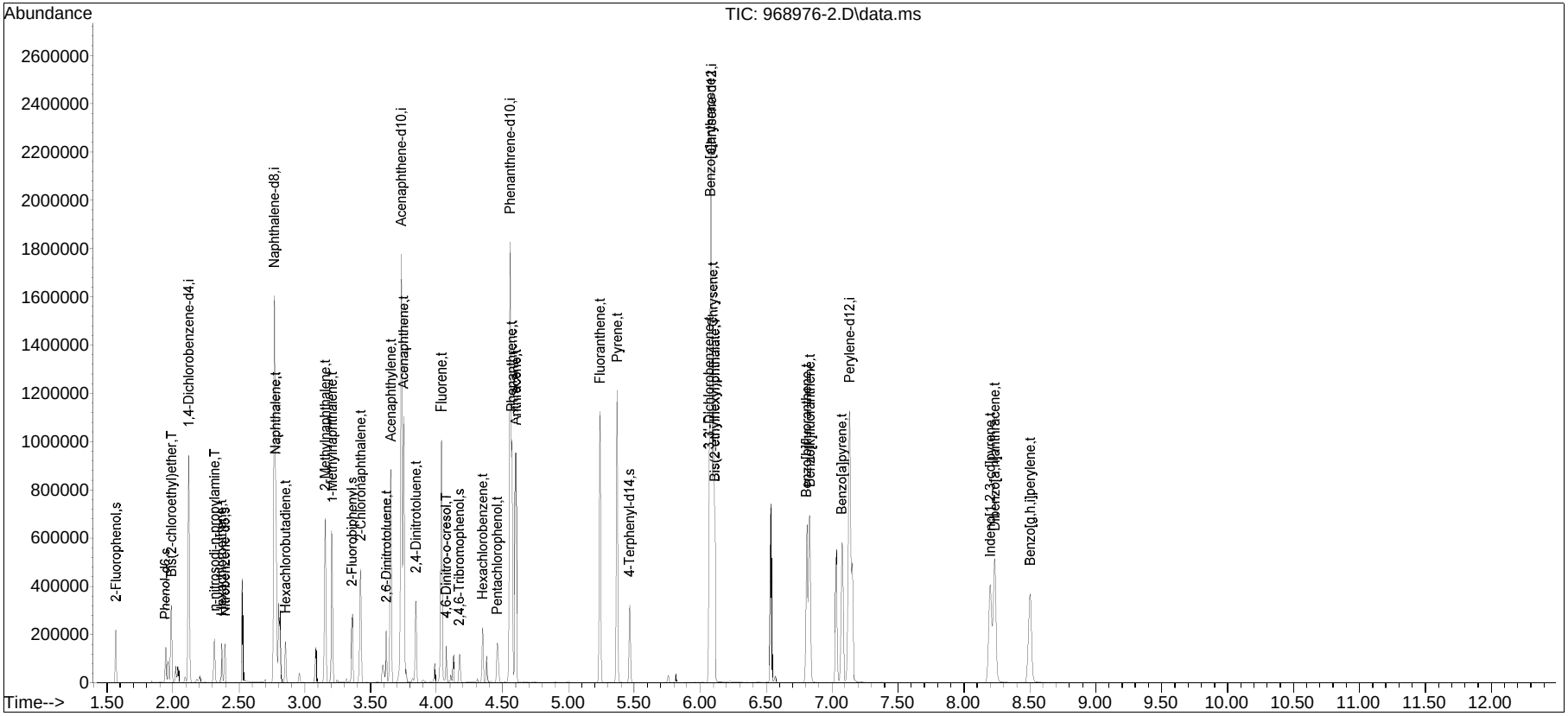
(#) = qualifier out of range (m) = manual integration (+) = signals summed

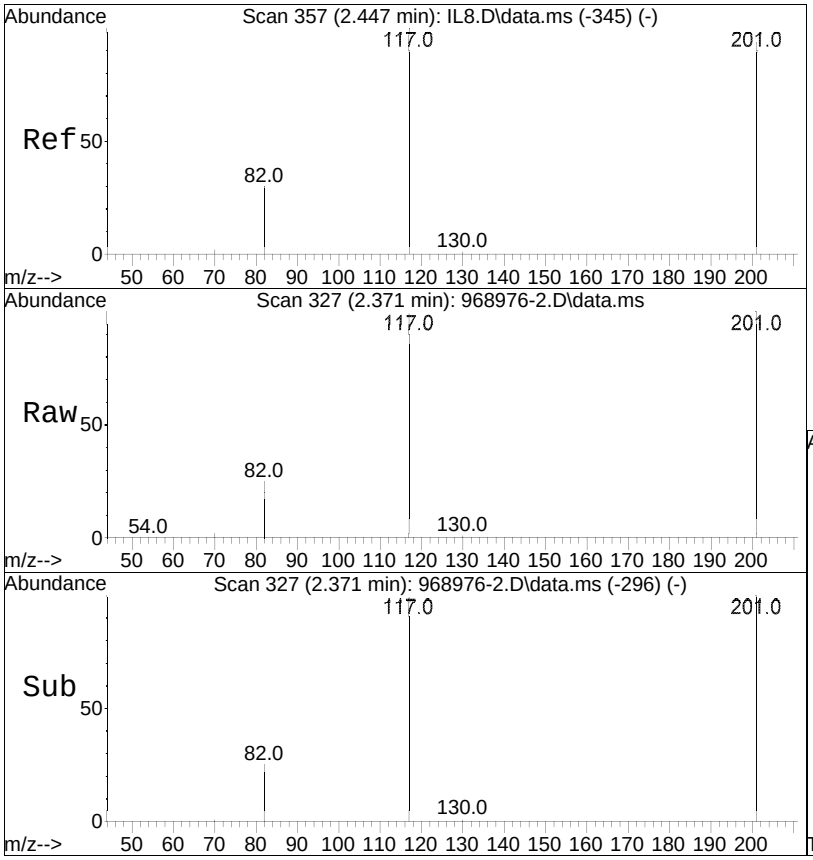
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-2.D
Acq On : 10 Sep 2024 09:48 am
Operator : SV120:jjw
Sample : WG1968976-2,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 10:38:04 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•

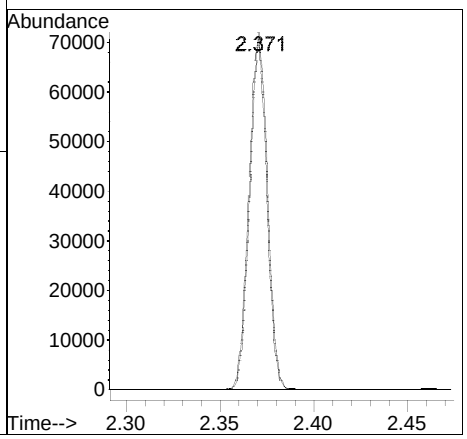


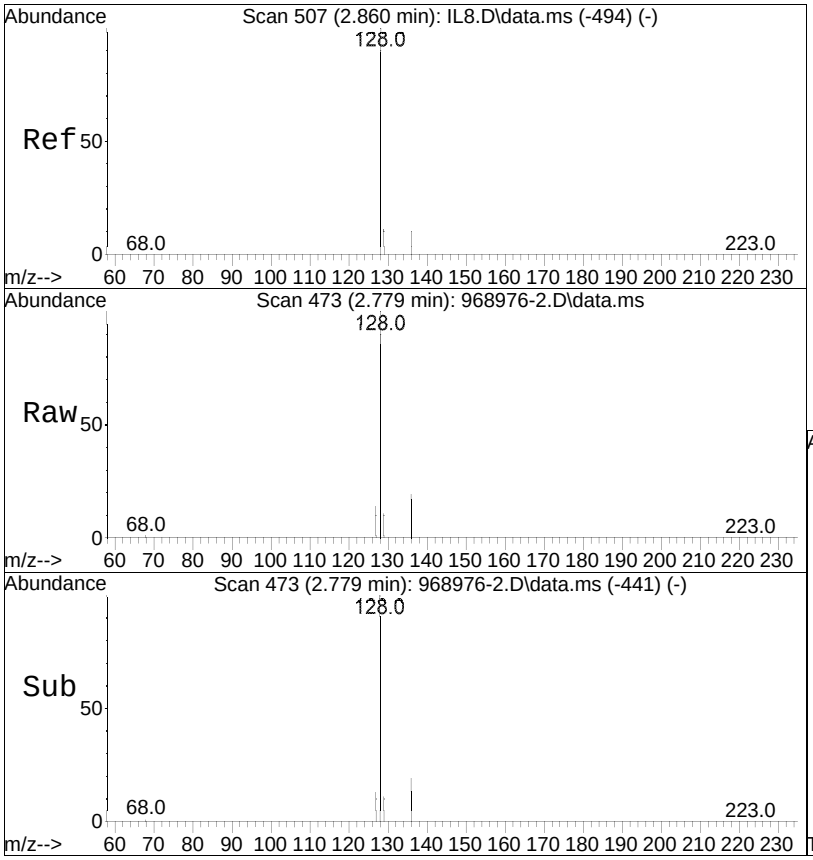


#6
Hexachloroethane
Concen: 1309.83 ng/ml
RT: 2.371 min Scan# 327
Delta R.T. 0.006 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:117 Resp: 45823

Ion	Ratio	Lower	Upper
117	100		
201	100.4	76.6	115.0

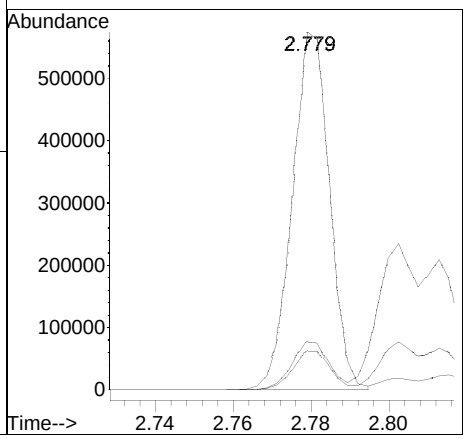


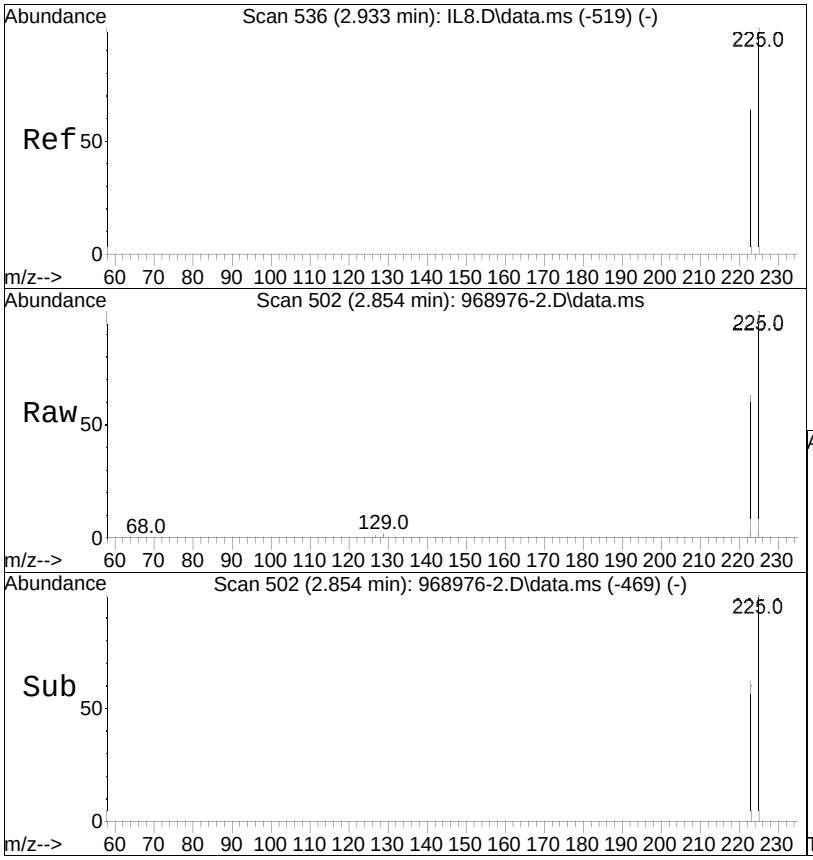


#9
Naphthalene
Concen: 1320.91 ng/ml
RT: 2.779 min Scan# 473
Delta R.T. 0.003 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:128 Resp: 379237

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	0.0	0.0#

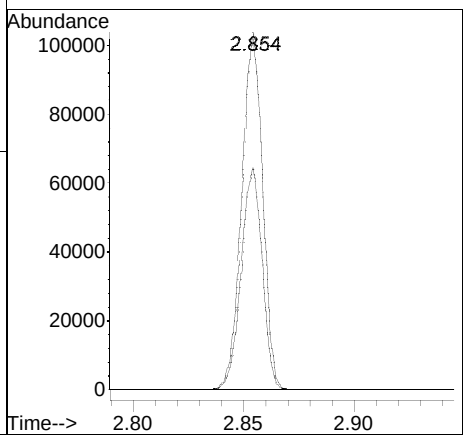


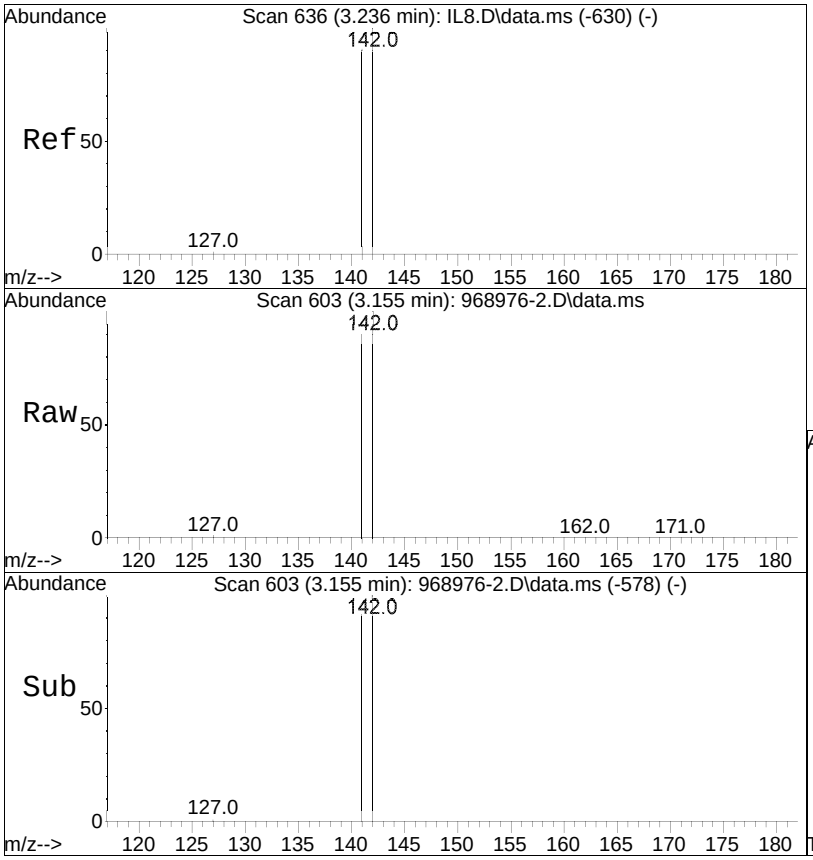


#10
Hexachlorobutadiene
Concen: 1353.49 ng/ml
RT: 2.854 min Scan# 502
Delta R.T. 0.005 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:225 Resp: 66749

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6

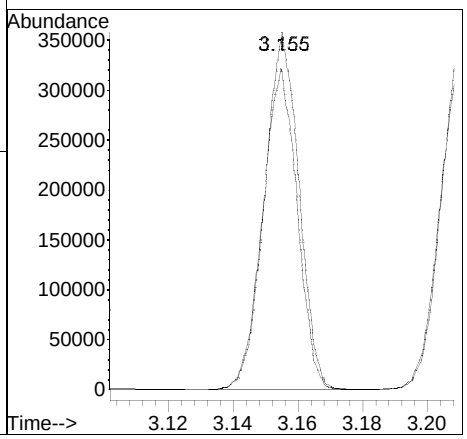


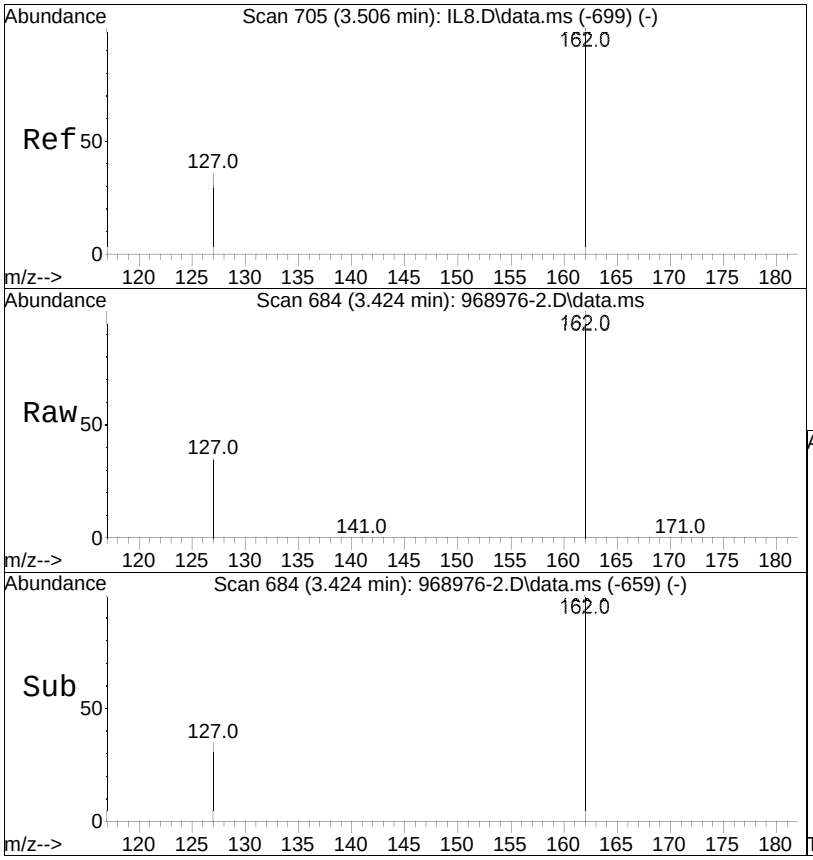


#11
2-Methylnaphthalene
Concen: 1444.71 ng/ml
RT: 3.155 min Scan# 603
Delta R.T. 0.003 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:142 Resp: 263276

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.0	109.4

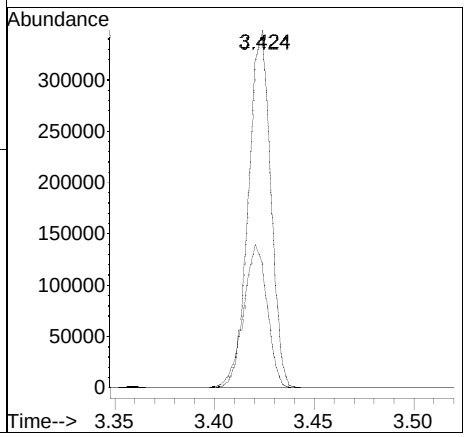


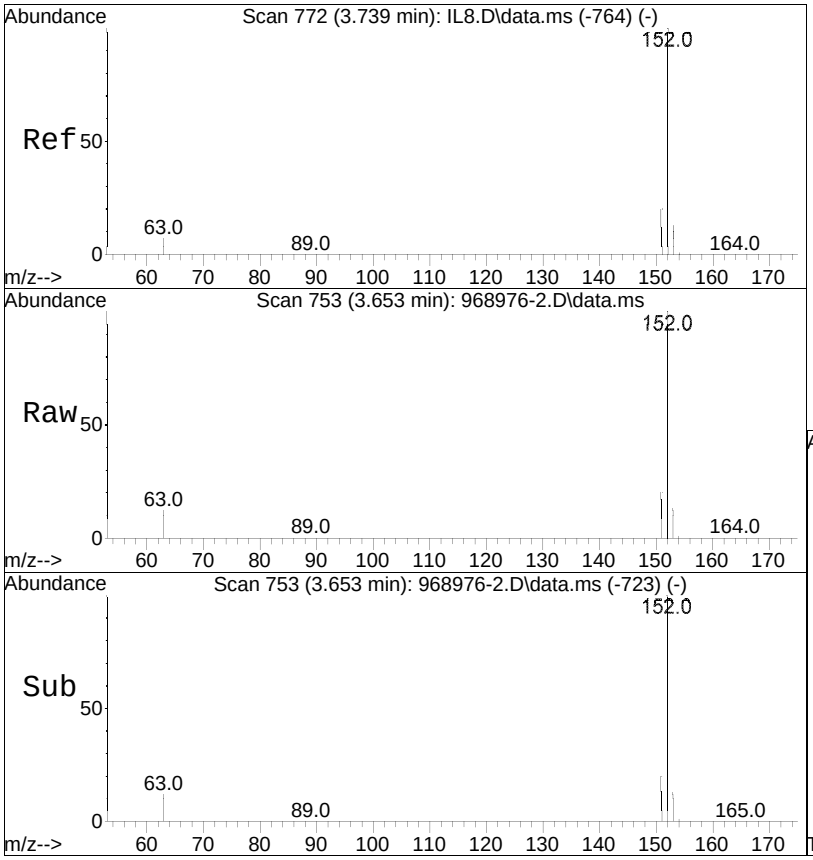


#14
2-Chloronaphthalene
Concen: 1425.85 ng/ml
RT: 3.424 min Scan# 684
Delta R.T. 0.004 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:162 Resp: 264009

Ion	Ratio	Lower	Upper
162	100		
127	43.1	30.9	46.3

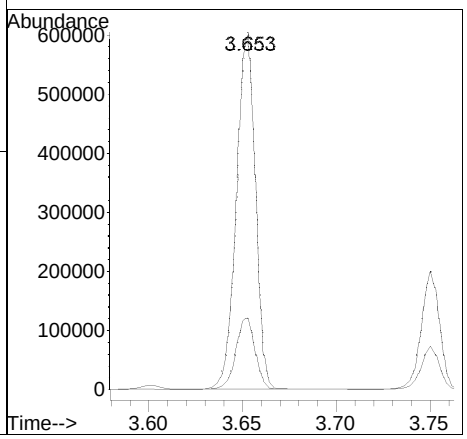


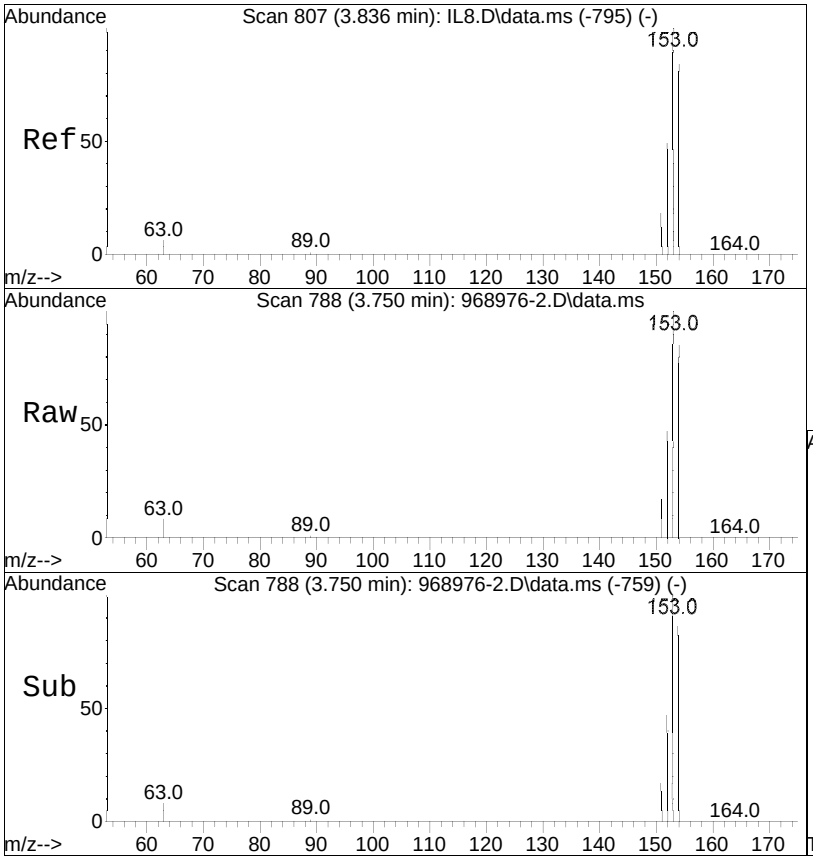


#16
Acenaphthylene
Concen: 1591.27 ng/ml
RT: 3.653 min Scan# 753
Delta R.T. 0.005 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:152 Resp: 422980

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

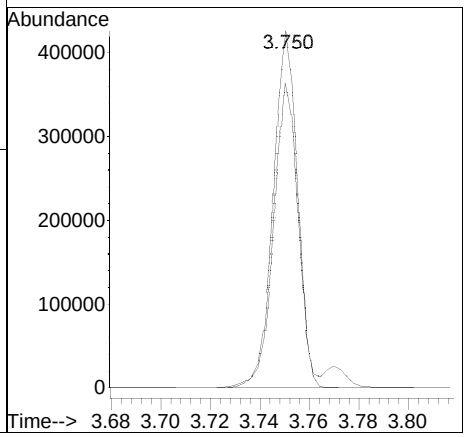


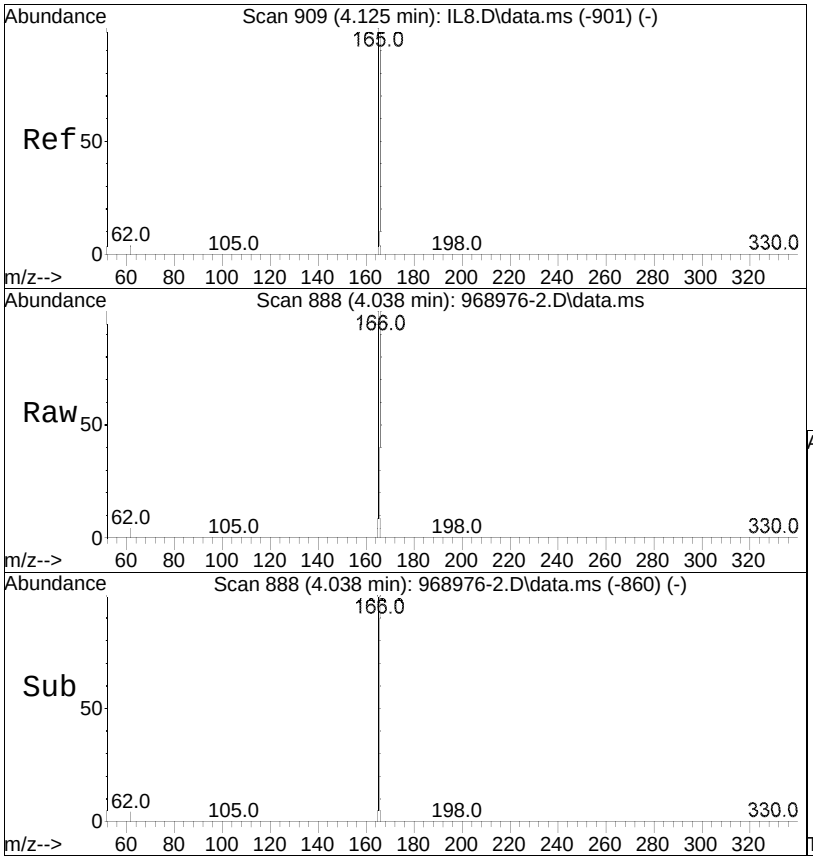


#18
Acenaphthene
Concen: 1405.52 ng/ml
RT: 3.750 min Scan# 788
Delta R.T. 0.002 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:153 Resp: 287209

Ion	Ratio	Lower	Upper
153	100		
154	87.2	72.3	108.5

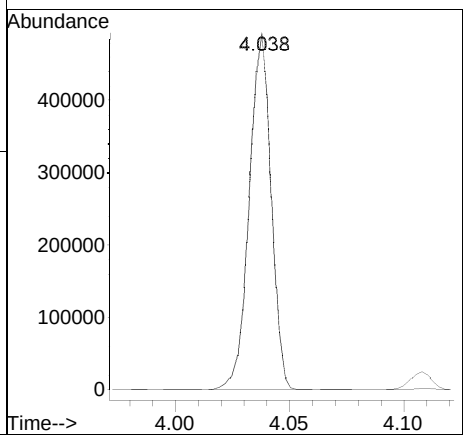


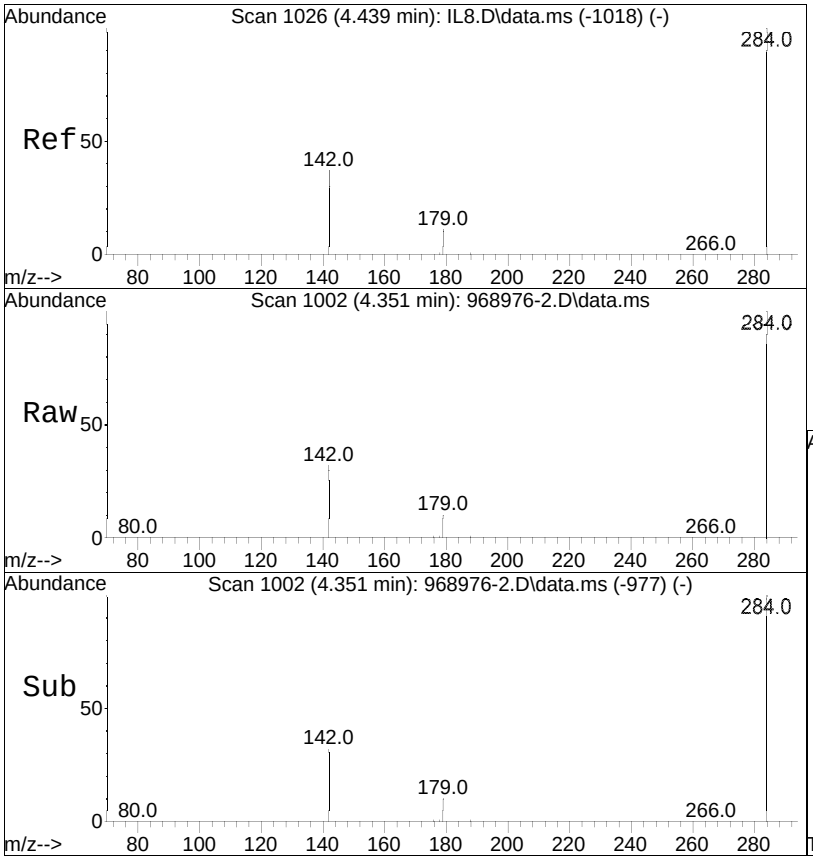


#20
Fluorene
Concen: 1442.77 ng/ml
RT: 4.038 min Scan# 888
Delta R.T. 0.004 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:166 Resp: 326697

Ion	Ratio	Lower	Upper
166	100		
165	100.8	81.5	122.3

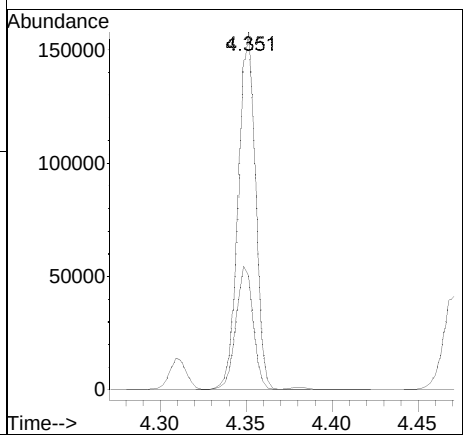


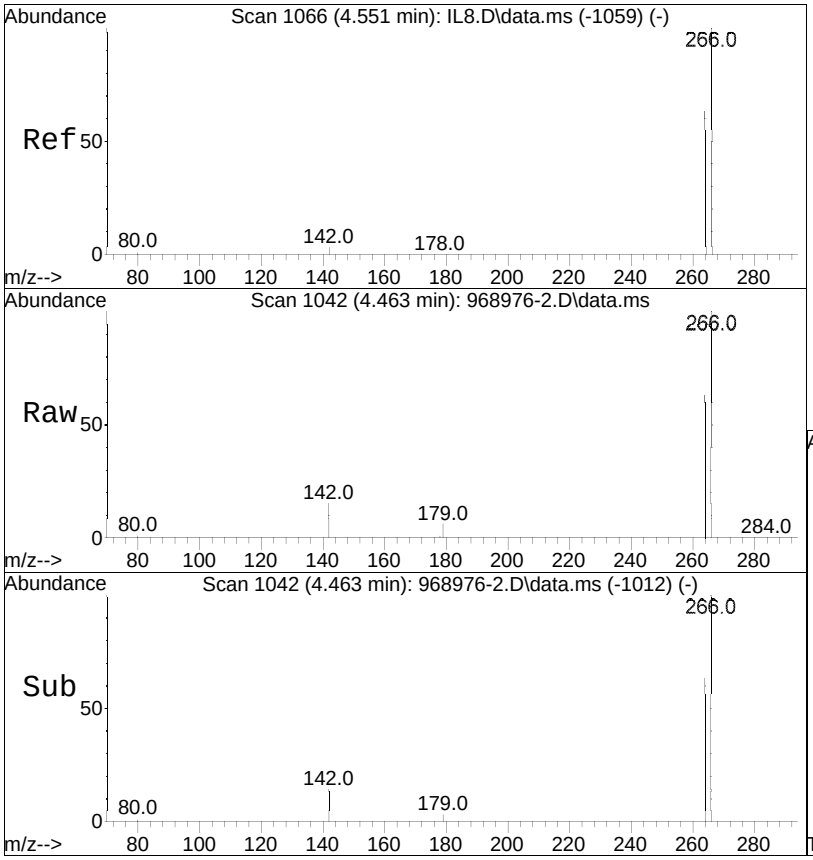


#24
Hexachlorobenzene
Concen: 1396.70 ng/ml
RT: 4.351 min Scan# 1002
Delta R.T. 0.002 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:284 Resp: 109375

Ion	Ratio	Lower	Upper
284	100		
142	35.0	29.4	44.2

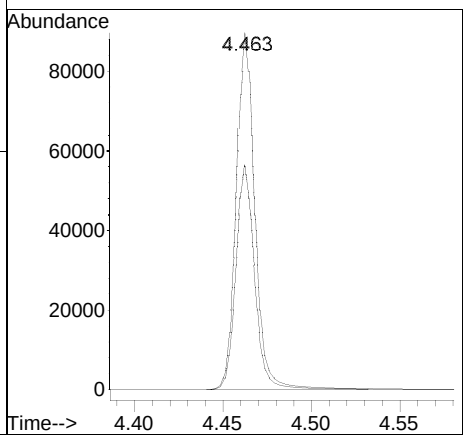


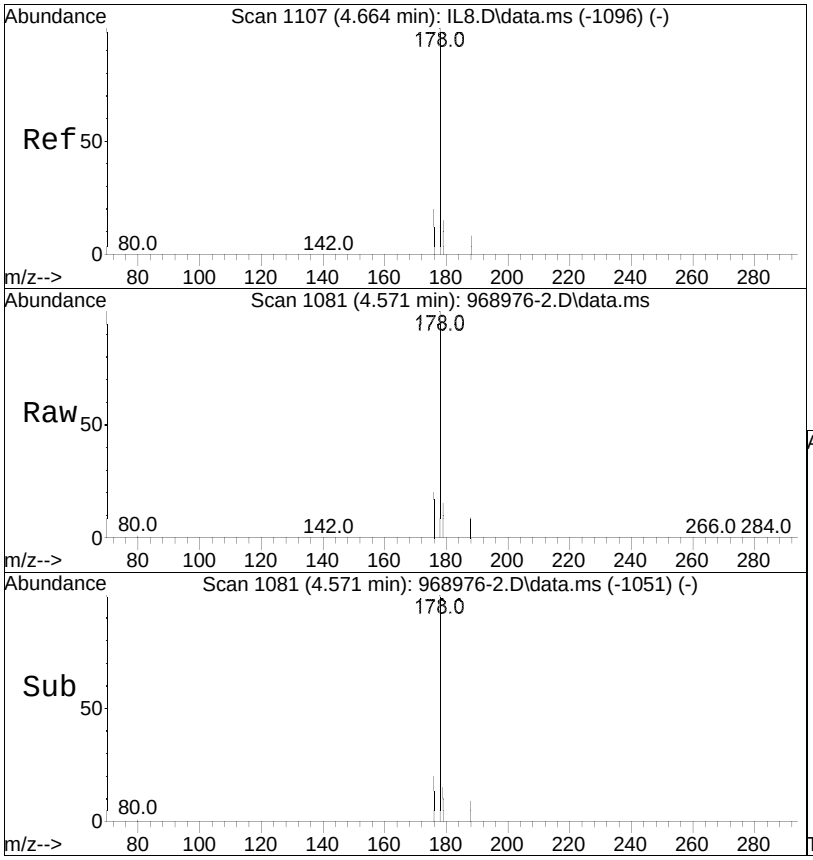


#25
Pentachlorophenol
Concen: 1714.60 ng/ml
RT: 4.463 min Scan# 1042
Delta R.T. 0.002 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:266 Resp: 65672

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.2	75.4

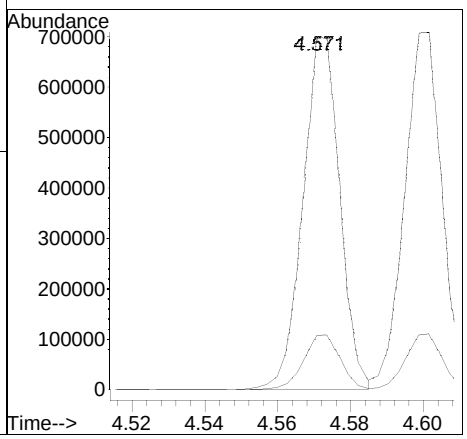


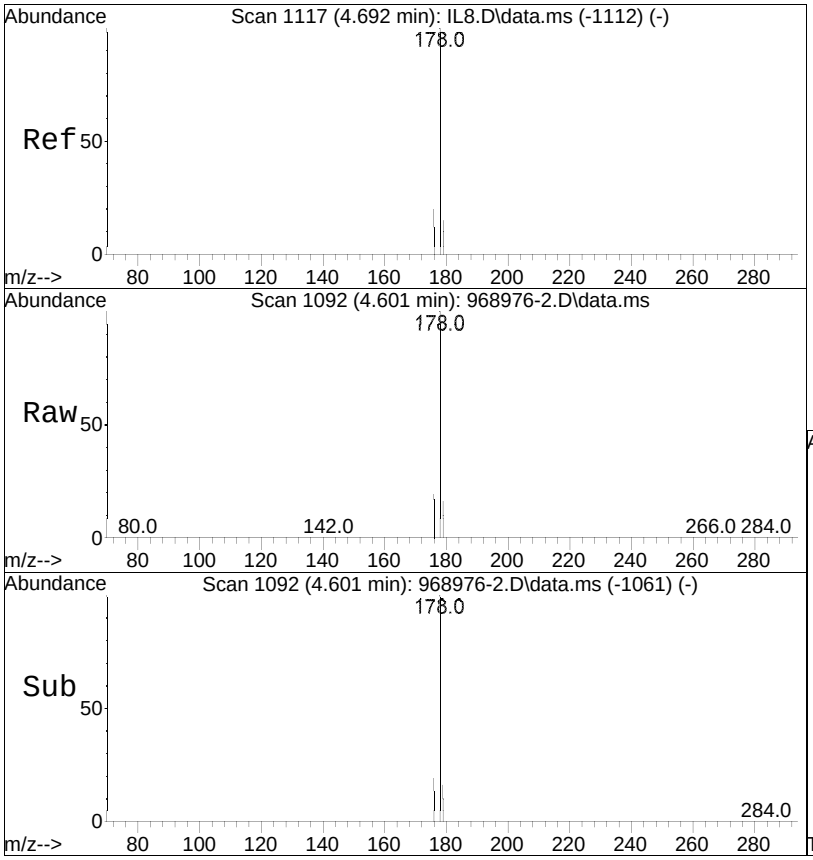


#26
Phenanthrene
Concen: 1482.53 ng/ml
RT: 4.571 min Scan# 1081
Delta R.T. 0.002 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:178 Resp: 491662

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

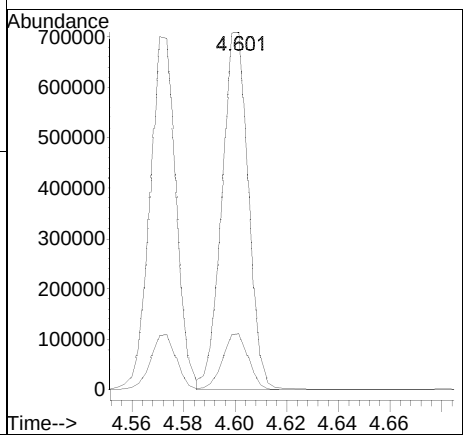


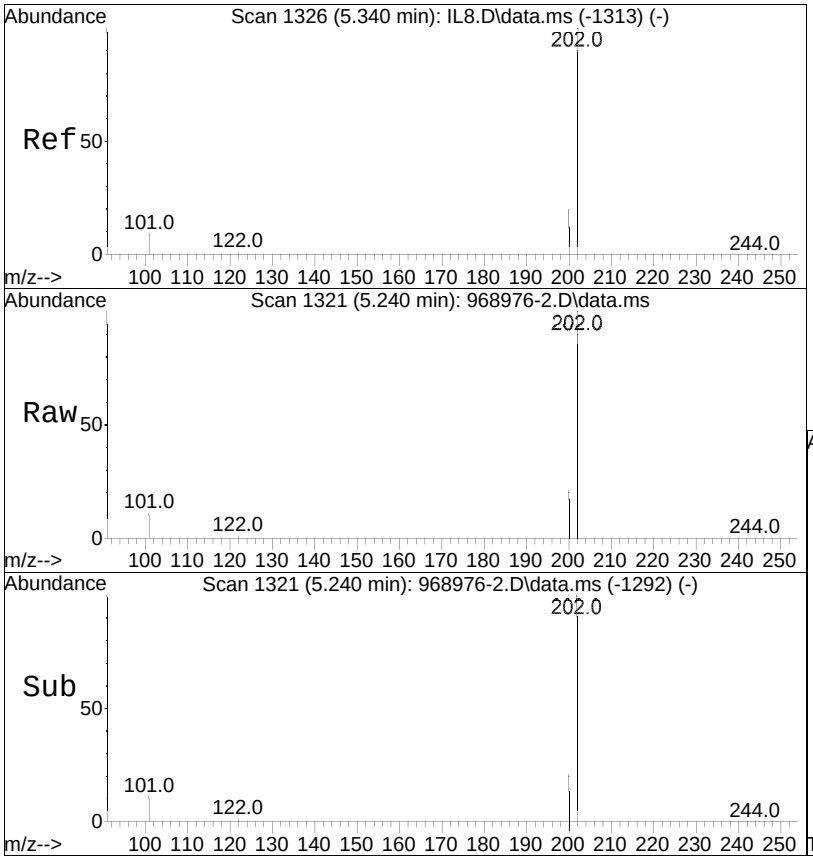


#27
Anthracene
Concen: 1573.89 ng/ml
RT: 4.601 min Scan# 1092
Delta R.T. 0.005 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:178 Resp: 503582

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

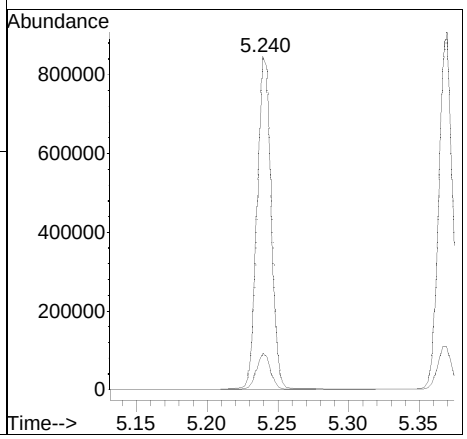


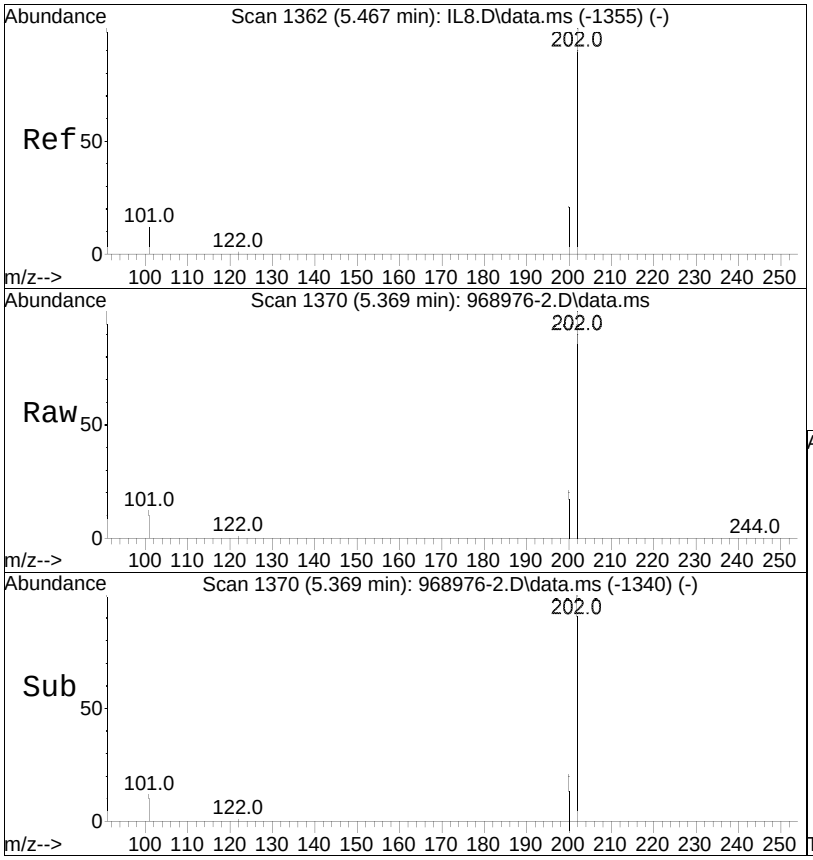


#28
Fluoranthene
Concen: 1645.48 ng/ml
RT: 5.240 min Scan# 1321
Delta R.T. -0.003 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:202 Resp: 589631

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1

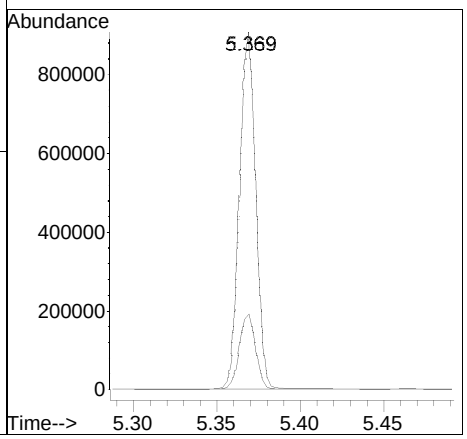


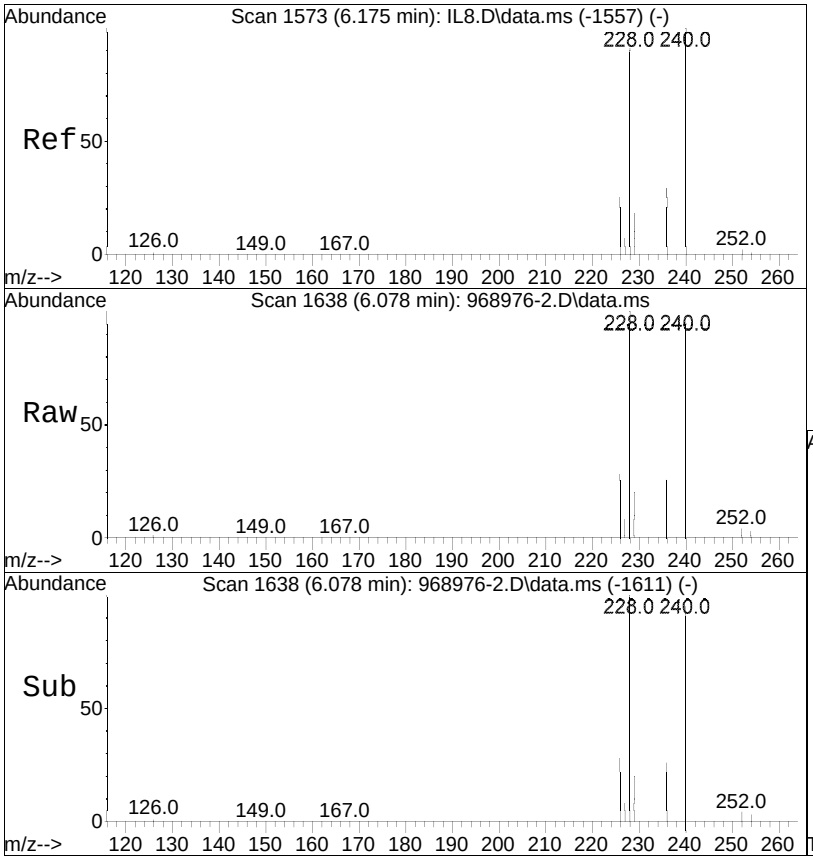


#29
Pyrene
Concen: 1626.55 ng/ml
RT: 5.369 min Scan# 1370
Delta R.T. -0.001 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:202 Resp: 607241

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2

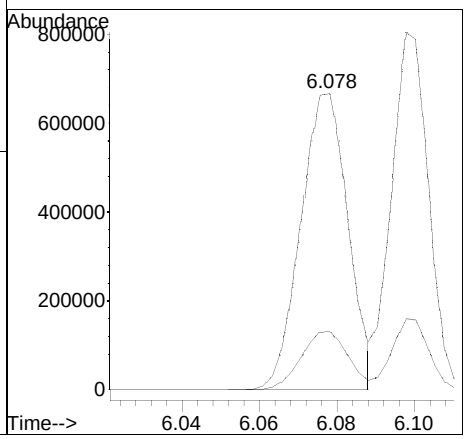


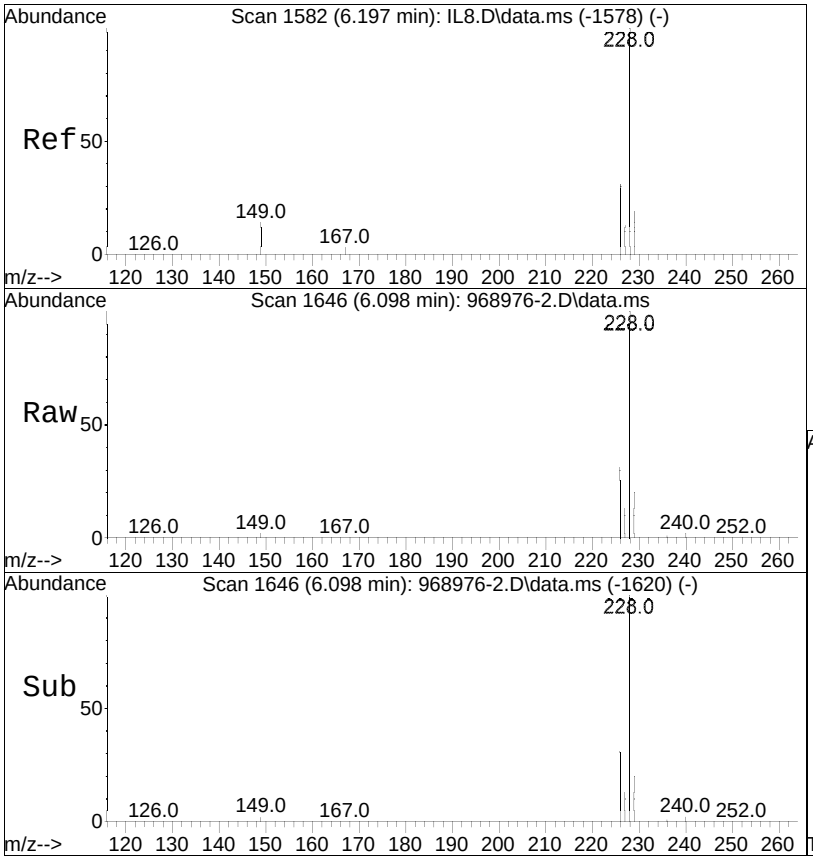


#32
Benzo[a]anthracene
Concen: 1450.94 ng/ml
RT: 6.078 min Scan# 1638
Delta R.T. -0.013 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:228 Resp: 564179

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

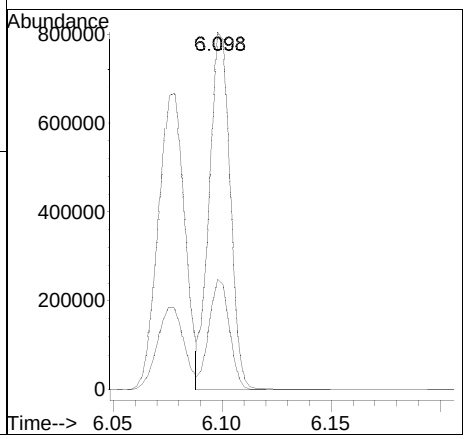


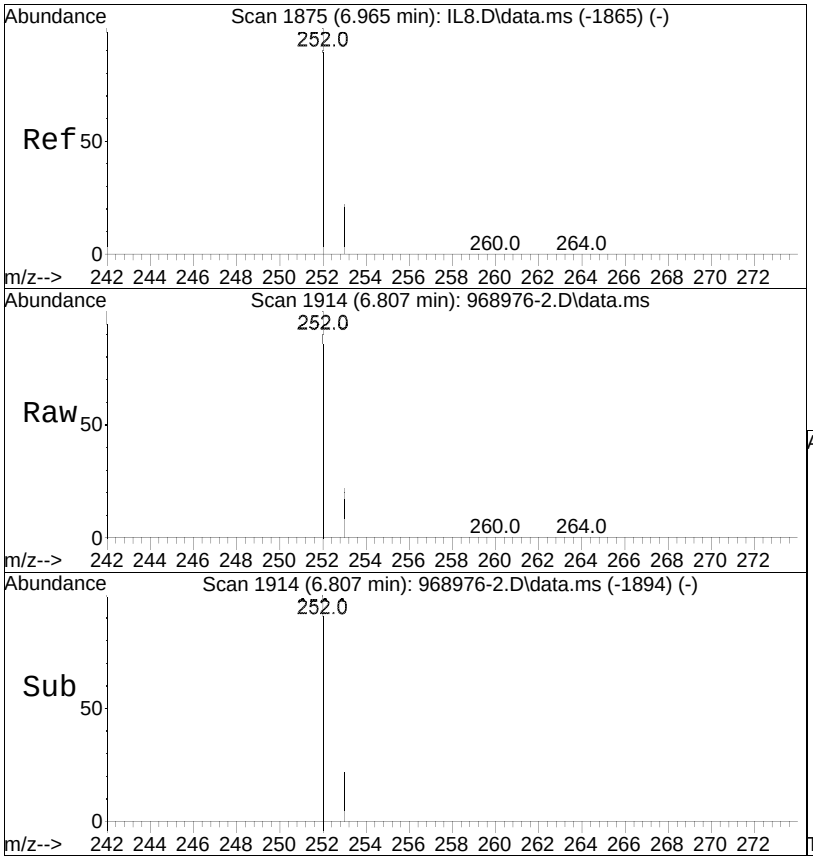


#34
Chrysene
Concen: 1425.24 ng/ml
RT: 6.098 min Scan# 1646
Delta R.T. -0.016 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:228 Resp: 533371

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5

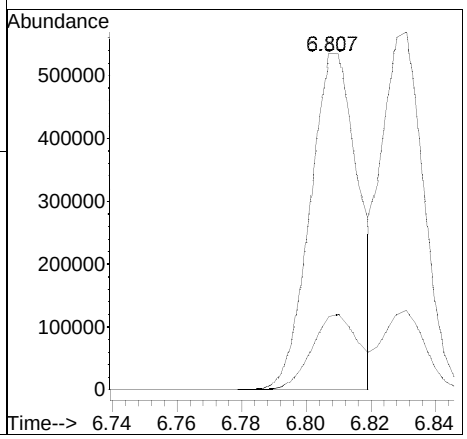


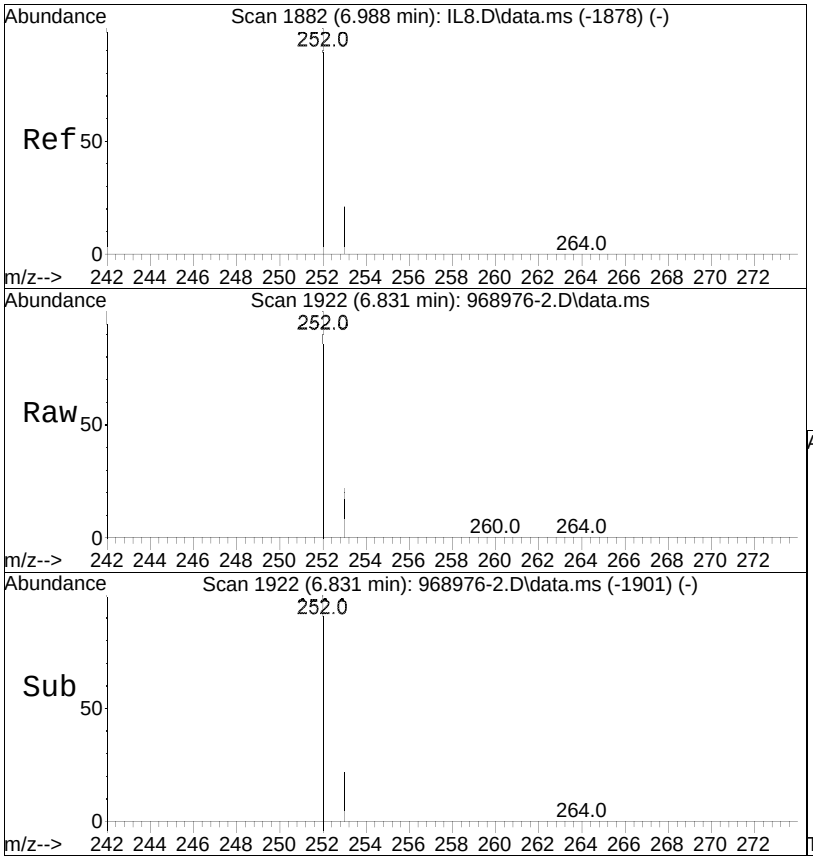


#37
Benzo[b]fluoranthene
Concen: 1618.30 ng/ml
RT: 6.807 min Scan# 1914
Delta R.T. -0.020 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:252 Resp: 552464

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9

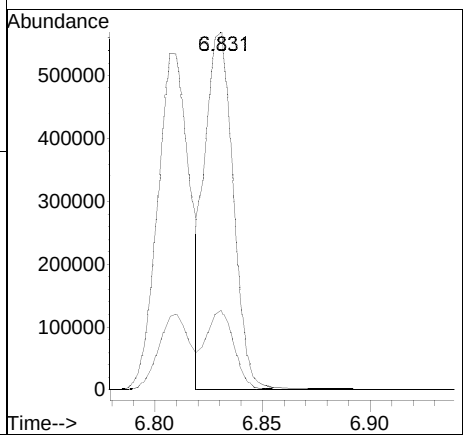


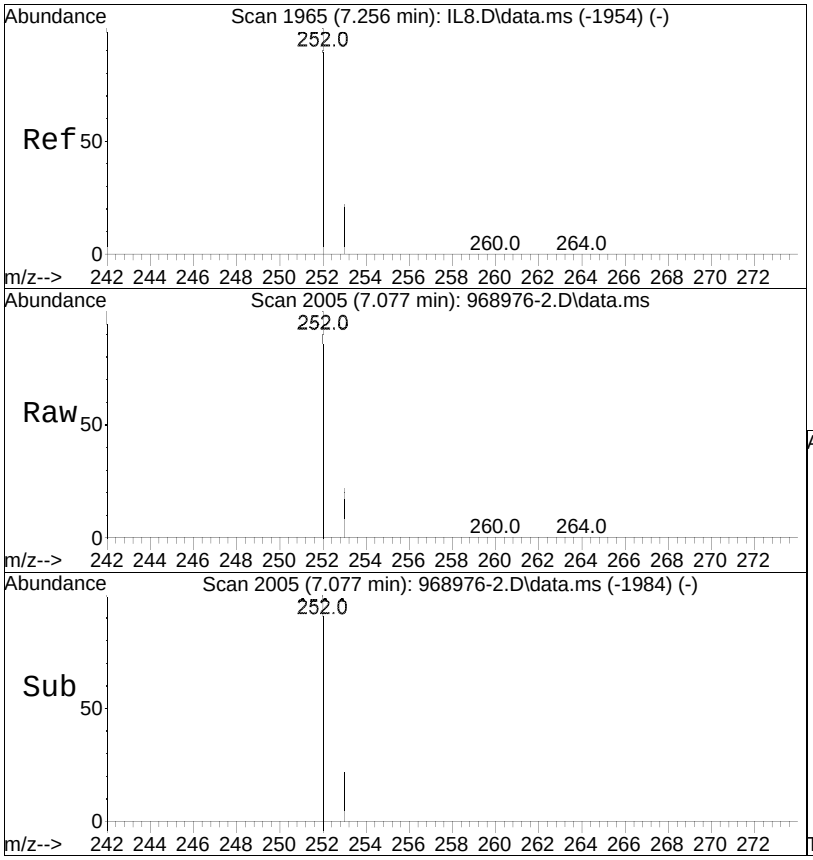


#38
Benzo[k]fluoranthene
Concen: 1606.40 ng/ml
RT: 6.831 min Scan# 1922
Delta R.T. -0.017 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:252 Resp: 516680

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4

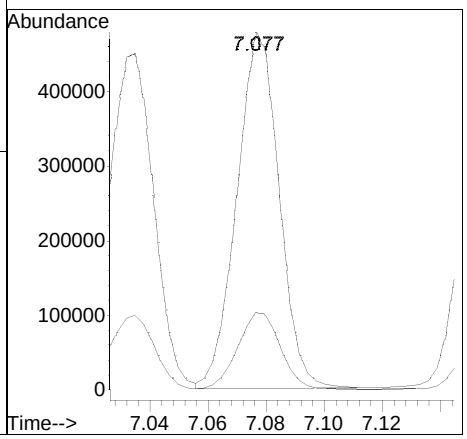


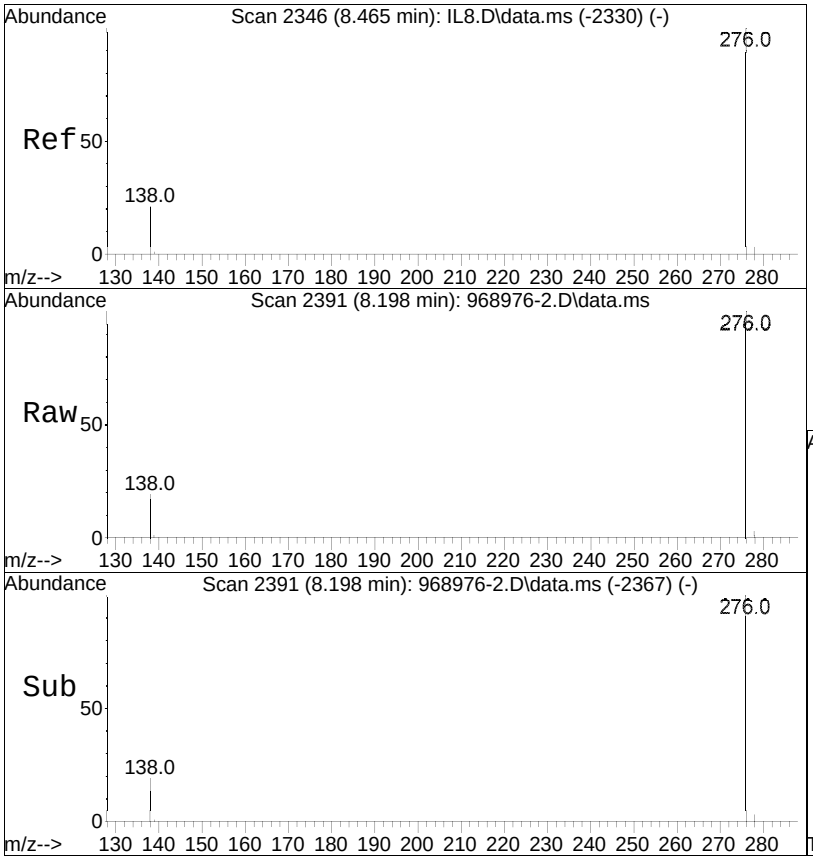


#39
Benzo[a]pyrene
Concen: 1758.04 ng/ml
RT: 7.077 min Scan# 2005
Delta R.T. -0.017 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:252 Resp: 479981

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

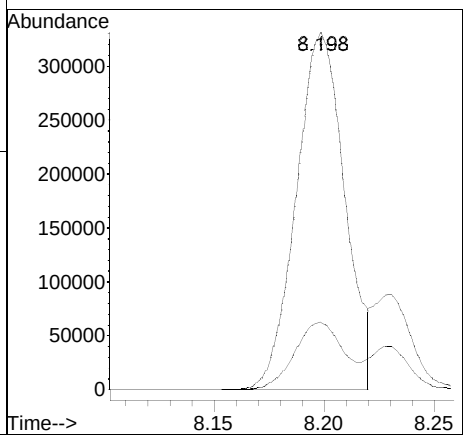


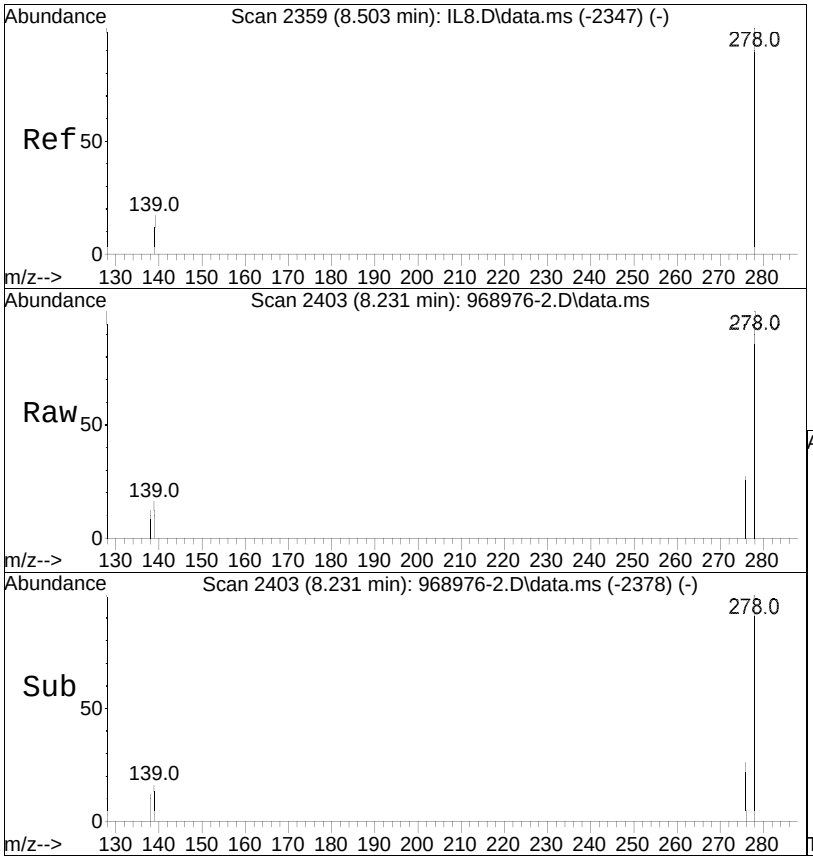


#40
Indeno[1,2,3-cd]pyrene
Concen: 1970.40 ng/ml
RT: 8.198 min Scan# 2391
Delta R.T. -0.015 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:276 Resp: 504093

Ion	Ratio	Lower	Upper
276	100		
138	18.8	17.2	25.8

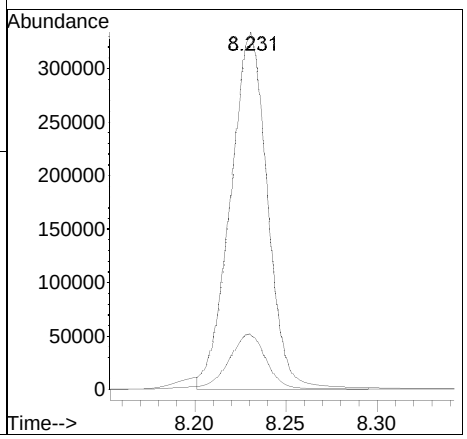


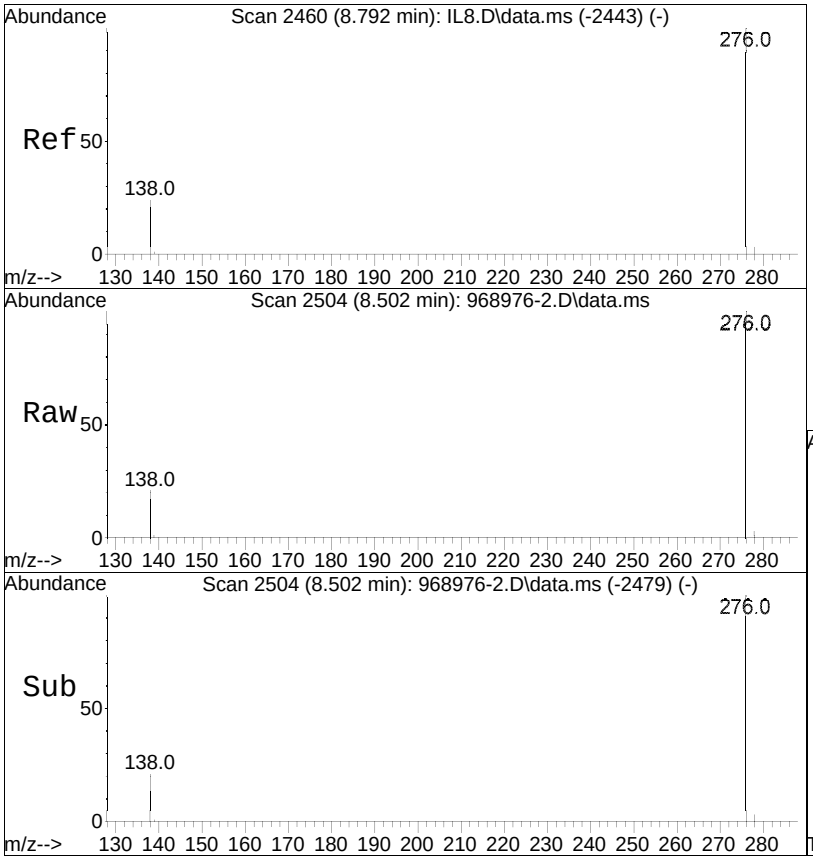


#41
Dibenzo[a,h]anthracene
Concen: 1953.70 ng/ml M6
RT: 8.231 min Scan# 2403
Delta R.T. -0.013 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:278 Resp: 469072

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.7	22.1

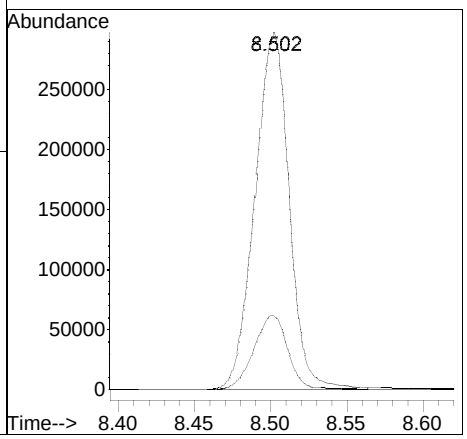




#42
Benzo[g,h,i]perylene
Concen: 1756.49 ng/ml
RT: 8.502 min Scan# 2504
Delta R.T. -0.013 min
Lab File: 968976-2.D
Acq: 10 Sep 2024 09:48 am

Tgt Ion:276 Resp: 459333

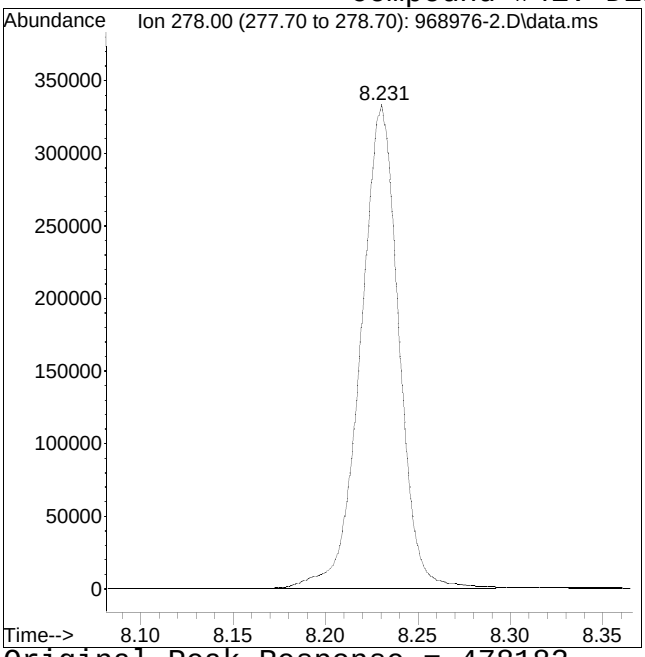
Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.0	28.4



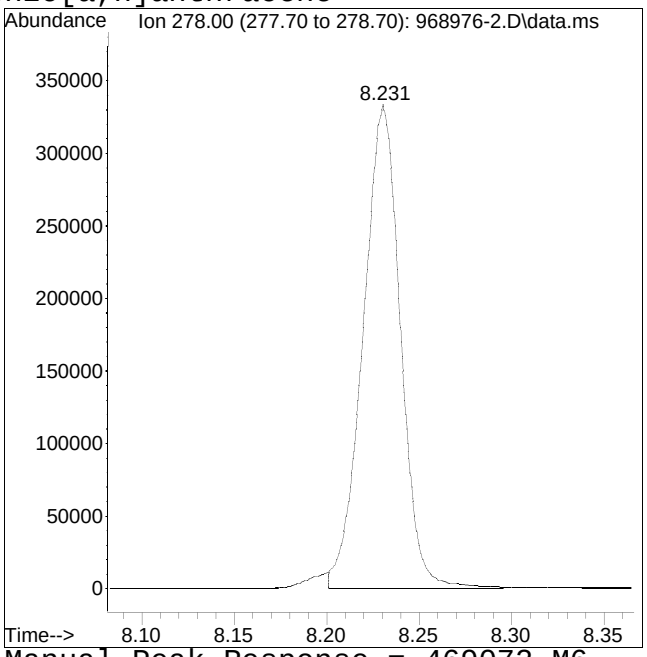
Manual Integration Report

Data Path : I:\8270SIM\sv120\240910RVTQMethod : SIM-RVT_240728_sv120.M
Data File : 968976-2.D Operator : SV120:jjw
Date Inj'd : 9/10/2024 9:48 am Instrument : SV120
Sample : WG1968976-2,32,,kmh Quant Date : 9/10/2024 10:02 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 478182



Manual Peak Response = 469072 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-3.D
Acq On : 10 Sep 2024 09:53 am
Operator : sv119:jjw
Sample : WG1968880-3,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 13:35:26 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.253	152	152012	4000.000	ng/ml	0.00
Standard Area 1 = 174323			Recovery = 87.20%			
8) Naphthalene-d8	2.911	136	573209	4000.000	ng/ml	0.00
Standard Area 1 = 643484			Recovery = 89.08%			
17) Acenaphthene-d10	3.888	164	327074	4000.000	ng/ml	0.00
Standard Area 1 = 369390			Recovery = 88.54%			
22) Phenanthrene-d10	4.733	188	696767	4000.000	ng/ml	0.00
Standard Area 1 = 787554			Recovery = 88.47%			
31) Chrysene-d12	6.317	240	638992	4000.000	ng/ml	0.00
Standard Area 1 = 782764			Recovery = 81.63%			
36) Perylene-d12	7.548	264	626470	4000.000	ng/ml	-0.02
Standard Area 1 = 778307			Recovery = 80.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.677	112	60736	1132.651	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.63%			
3) Phenol-d6	2.068	99	60711	897.669	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.88%			
7) Nitrobenzene-d5	2.531	82	46508	783.956	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.40%			
13) 2-Fluorobiphenyl	3.506	172	108563	732.597	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.26%			
21) 2,4,6-Tribromophenol	4.337	330	38104	1668.526	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 83.43%			
30) 4-Terphenyl-d14	5.661	244	132800	689.450	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 34.47%			
Target Compounds						Qvalue
6) Hexachloroethane	2.508	117	33434	1325.675	ng/ml	94
9) Naphthalene	2.922	128	231276	1461.423	ng/ml	100
10) Hexachlorobutadiene	2.995	225	44852	1262.646	ng/ml	99
11) 2-Methylnaphthalene	3.301	142	174586	1467.944	ng/ml	99
14) 2-Chloronaphthalene	3.572	162	189584	1479.549	ng/ml	97
16) Acenaphthylene	3.806	152	290792	1420.460	ng/ml	100
18) Acenaphthene	3.906	153	187245	1640.084	ng/ml	100
20) Fluorene	4.196	166	241640	1605.820	ng/ml	100
24) Hexachlorobenzene	4.519	284	86188	1801.509	ng/ml	100
25) Pentachlorophenol	4.632	266	52276	1693.122	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-3.D
Acq On : 10 Sep 2024 09:53 am
Operator : sv119:jjw
Sample : WG1968880-3,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 13:35:26 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240910RVT\ccv0910.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.746	178	348929	1722.583	ng/ml	99
27) Anthracene	4.774	178	363666	1737.648	ng/ml	99
28) Fluoranthene	5.435	202	444602	1598.489	ng/ml	99
29) Pyrene	5.568	202	454375	1576.480	ng/ml	98
32) Benzo[a]anthracene	6.309	228	437282	1815.185	ng/ml	100
34) Chrysene	6.334	228	400256	1683.016	ng/ml	98
37) Benzo[b]fluoranthene	7.166	252	418452	1612.720	ng/ml	98
38) Benzo[k]fluoranthene	7.190	252	396013	1652.054	ng/ml	98
39) Benzo[a]pyrene	7.480	252	367070	1597.310	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.782	276	408972	1760.477	ng/ml	97
41) Dibenzo[a,h]anthracene	8.818	278	346328M6	1673.588	ng/ml	
42) Benzo[g,h,i]perylene	9.131	276	377396	1651.616	ng/ml	98

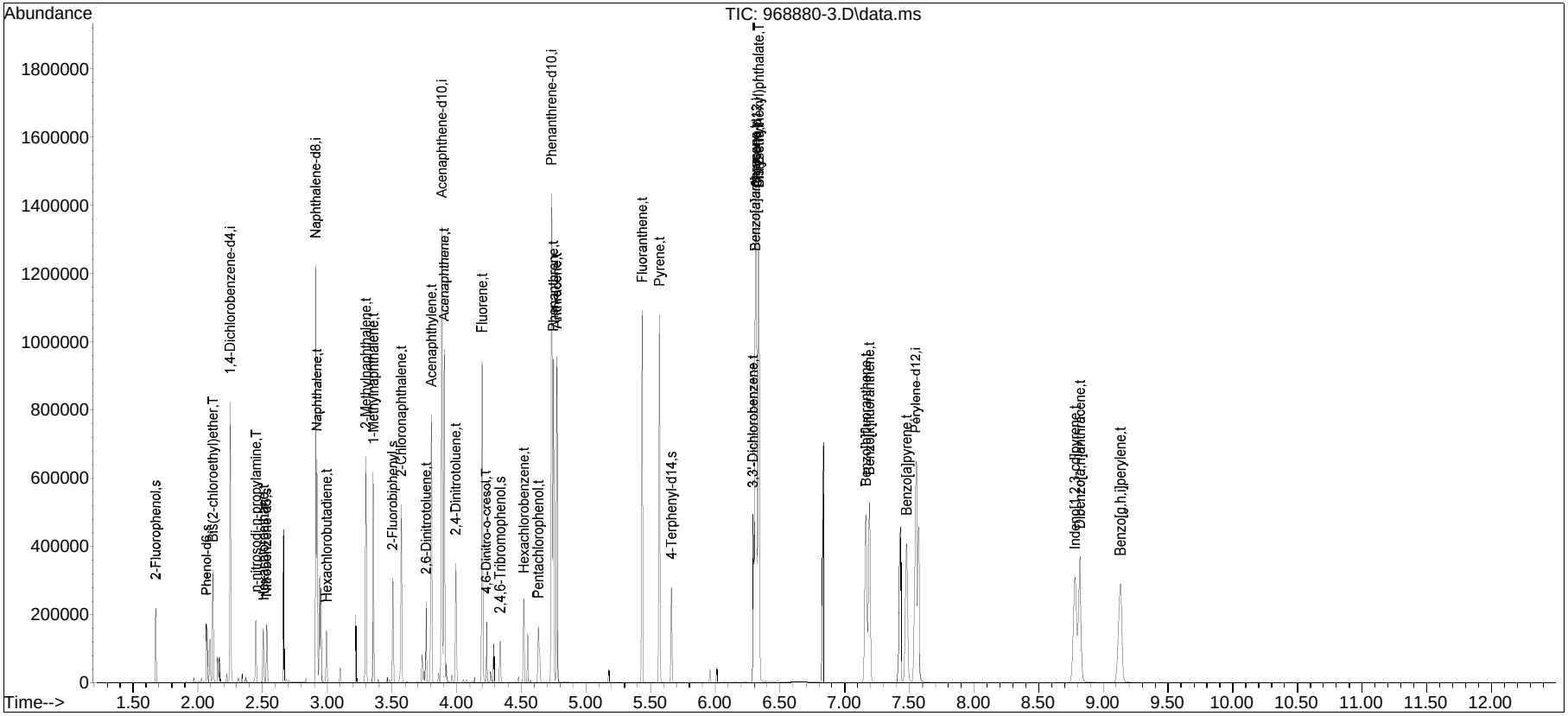
(#) = qualifier out of range (m) = manual integration (+) = signals summed

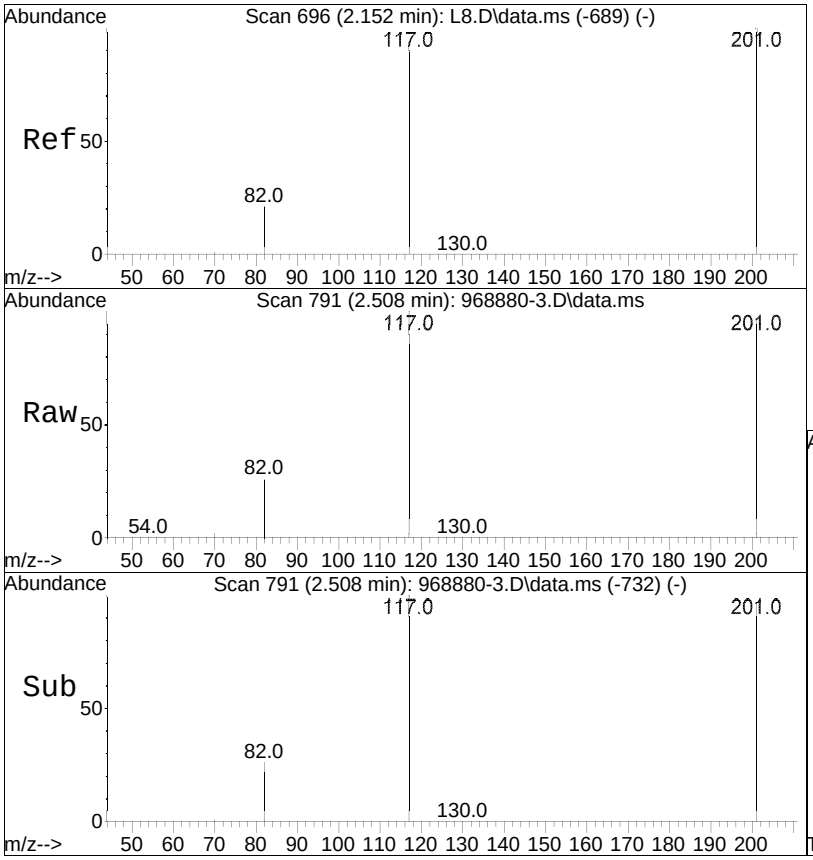
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240910RVT\
Data File : 968880-3.D
Acq On : 10 Sep 2024 09:53 am
Operator : sv119:jjw
Sample : WG1968880-3,32,,kmh
Misc : WG1969638,WG1968880,ical21236
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 13:35:26 2024
Quant Method : I:\8270sim\sv119\240910RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 08:44:18 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910.D•

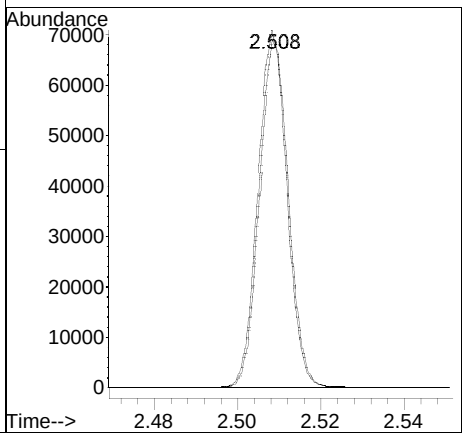


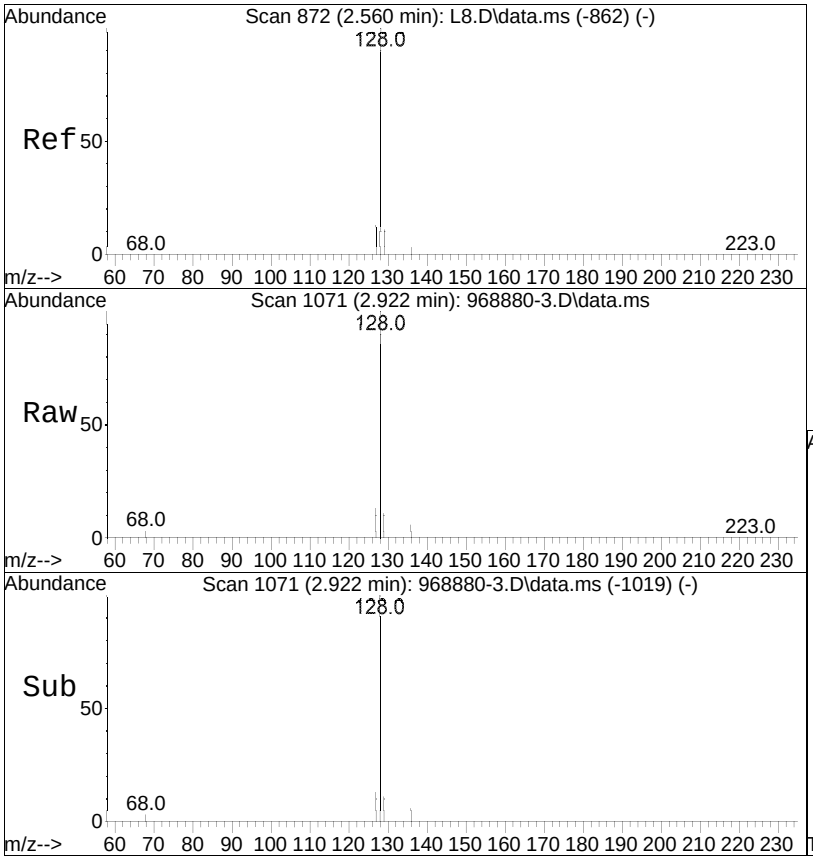


#6
Hexachloroethane
Concen: 1325.67 ng/ml
RT: 2.508 min Scan# 791
Delta R.T. 0.004 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:117 Resp: 33434

Ion	Ratio	Lower	Upper
117	100		
201	97.9	83.0	124.6

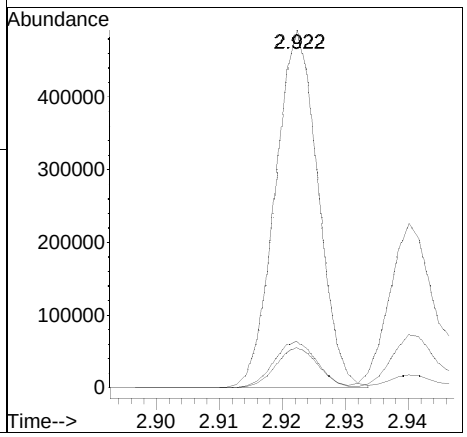


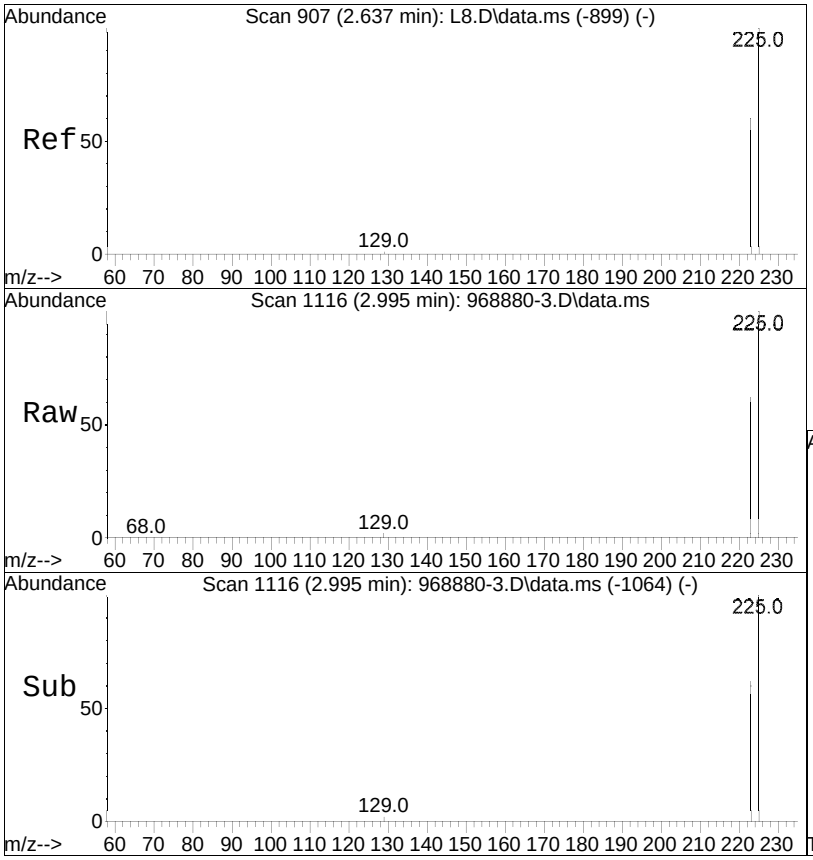


#9
Naphthalene
Concen: 1461.42 ng/ml
RT: 2.922 min Scan# 1071
Delta R.T. 0.003 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:128 Resp: 231276

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	15.8

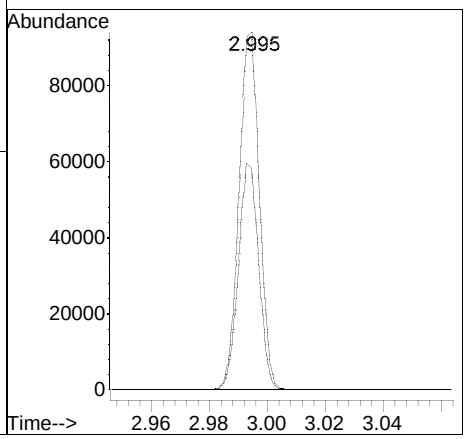


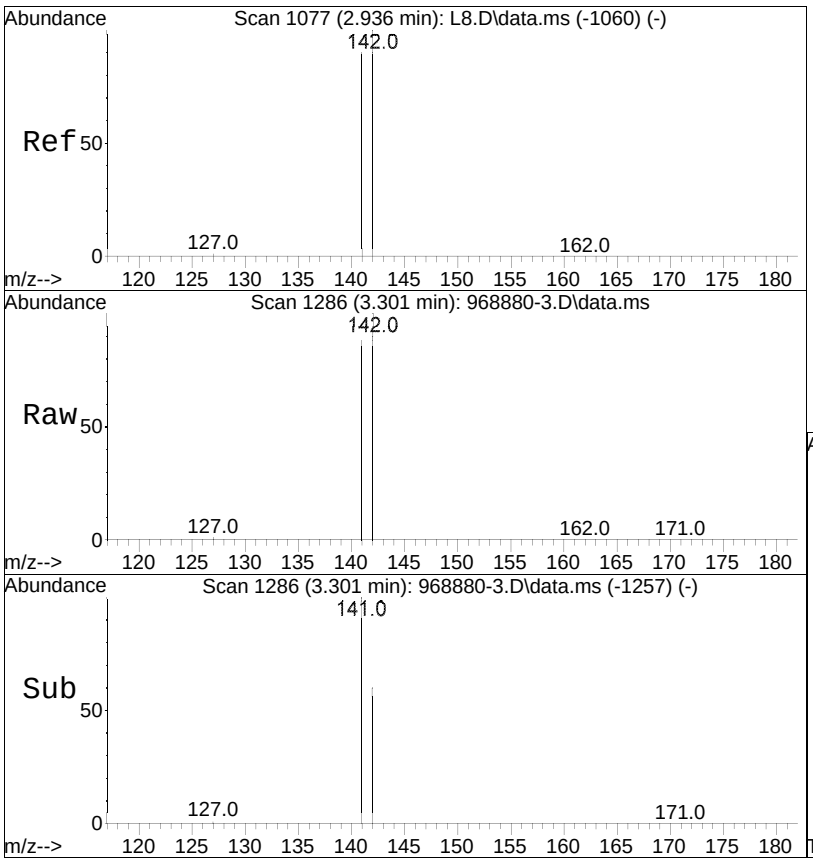


#10
Hexachlorobutadiene
Concen: 1262.65 ng/ml
RT: 2.995 min Scan# 1116
Delta R.T. 0.003 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:225 Resp: 44852

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.2

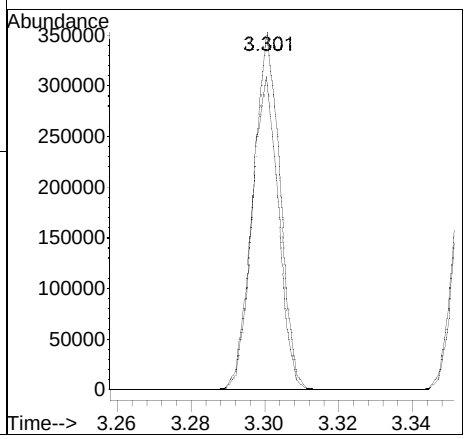


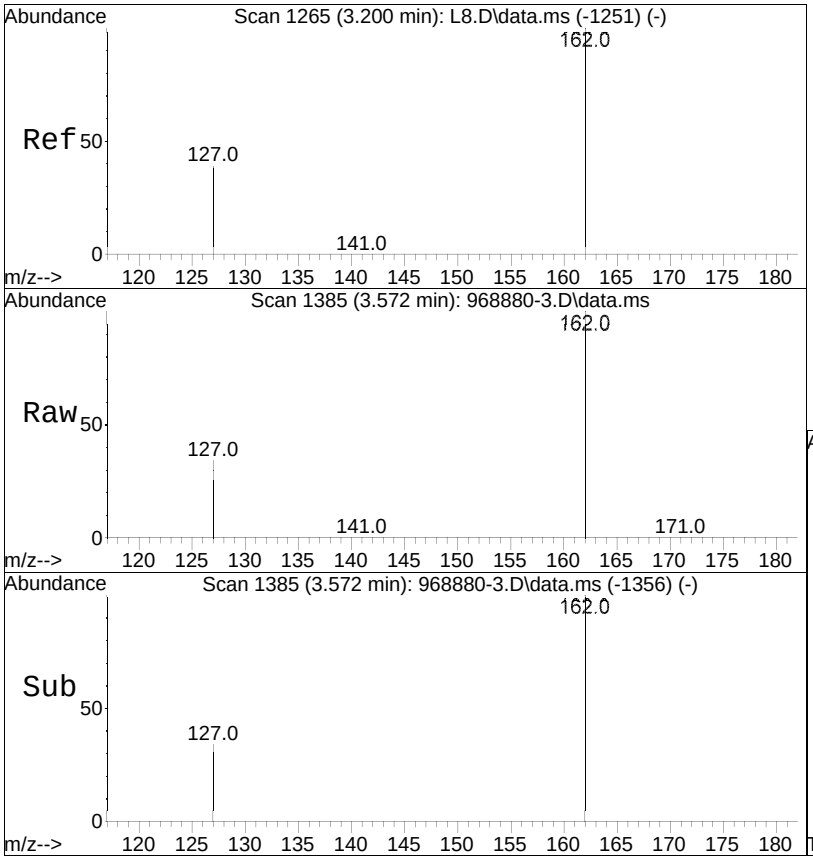


#11
2-Methylnaphthalene
Concen: 1467.94 ng/ml
RT: 3.301 min Scan# 1286
Delta R.T. -0.000 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:142 Resp: 174586

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.3	108.5

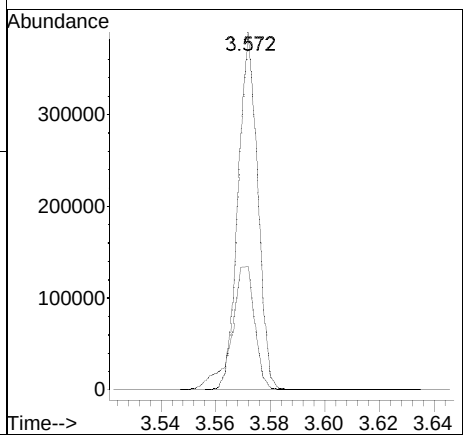


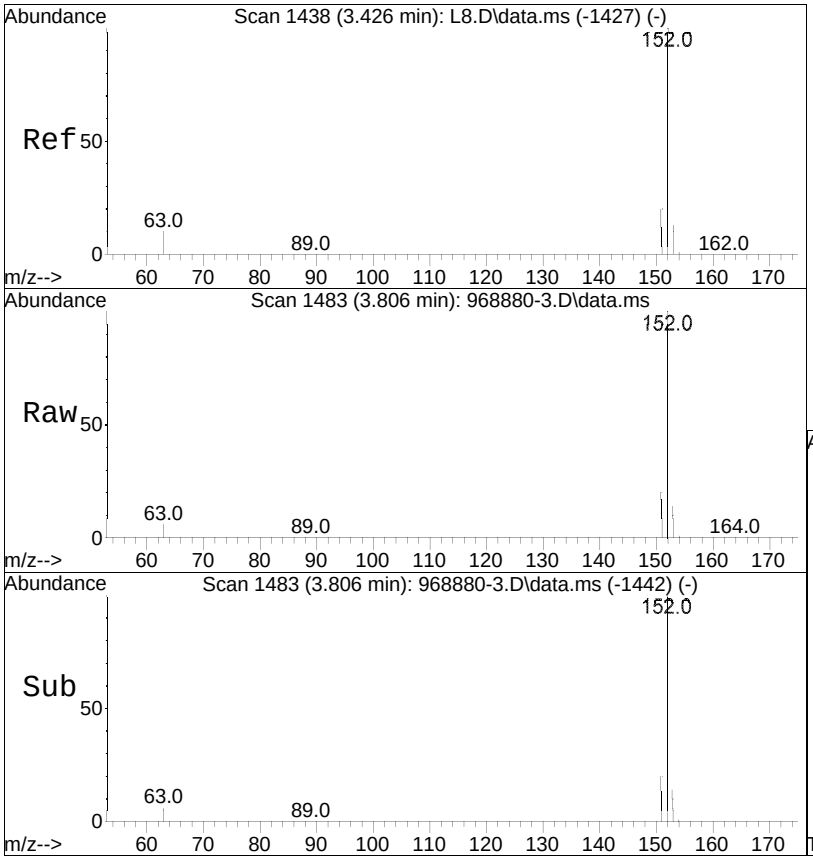


#14
2-Chloronaphthalene
Concen: 1479.55 ng/ml
RT: 3.572 min Scan# 1385
Delta R.T. -0.000 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:162 Resp: 189584

Ion	Ratio	Lower	Upper
162	100		
127	41.8	32.0	48.0

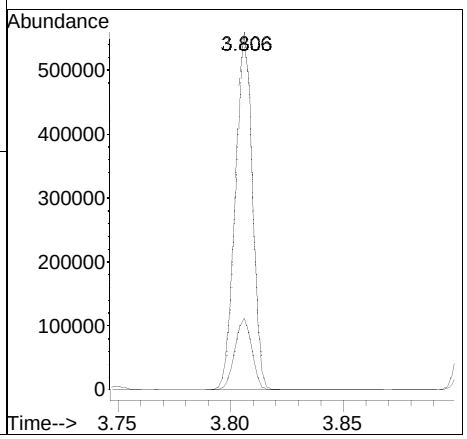


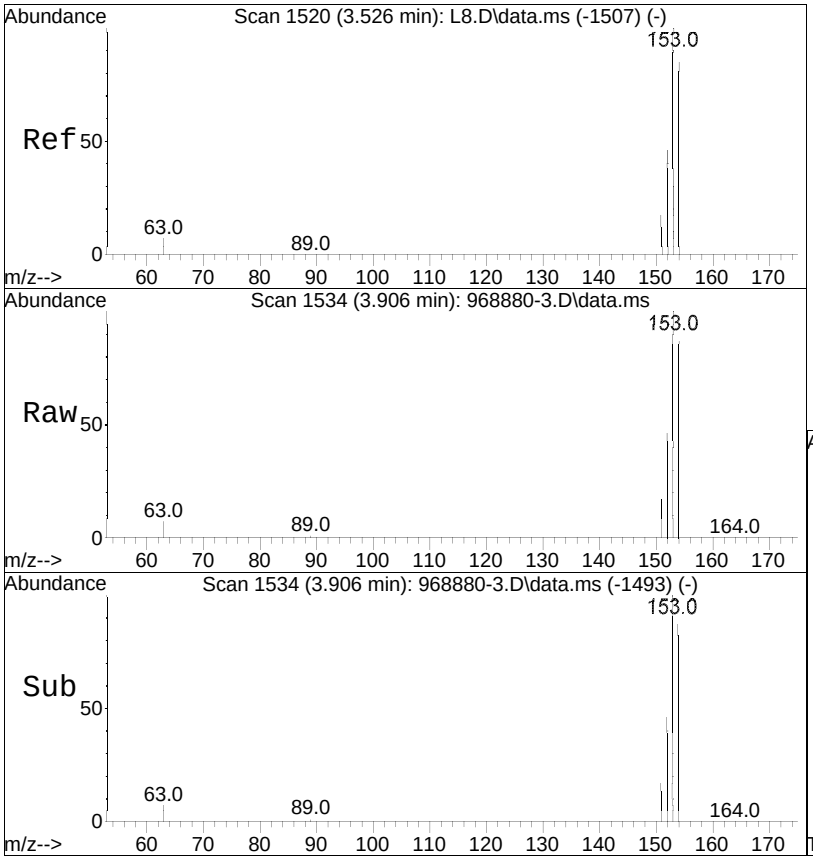


#16
Acenaphthylene
Concen: 1420.46 ng/ml
RT: 3.806 min Scan# 1483
Delta R.T. -0.000 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:152 Resp: 290792

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0

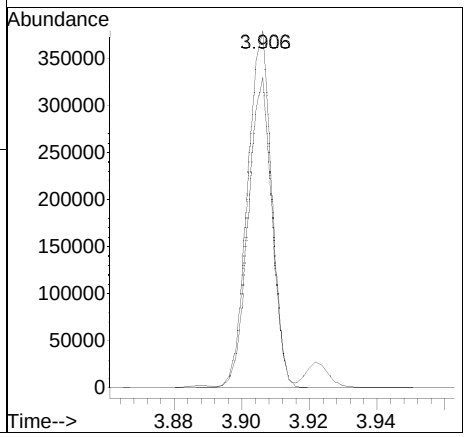


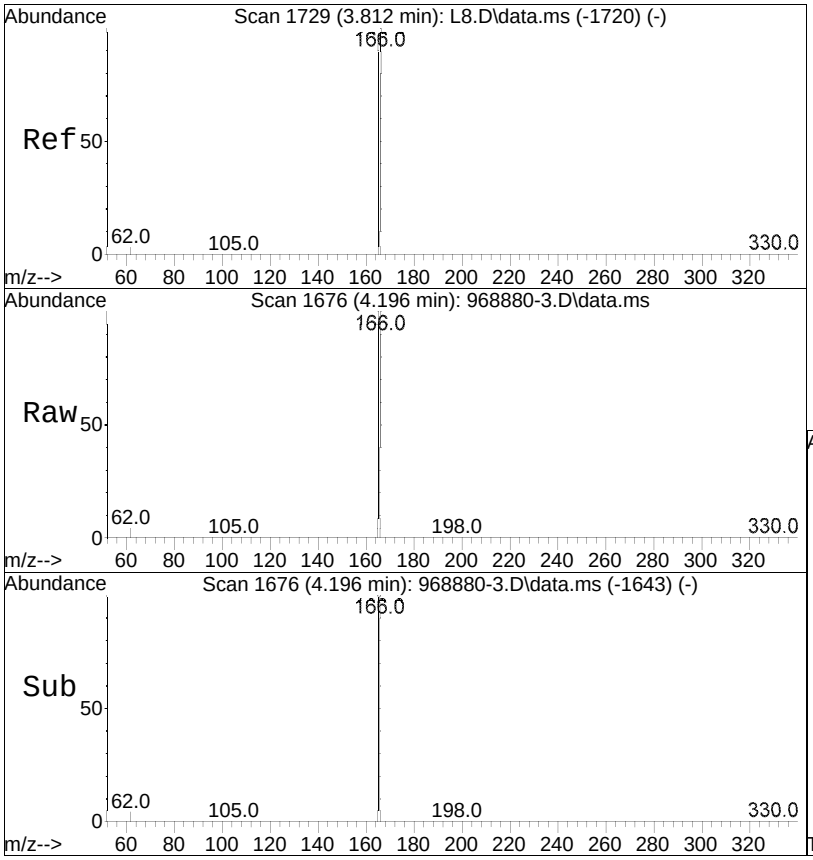


#18
Acenaphthene
Concen: 1640.08 ng/ml
RT: 3.906 min Scan# 1534
Delta R.T. -0.000 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:153 Resp: 187245

Ion	Ratio	Lower	Upper
153	100		
154	85.5	68.1	102.1

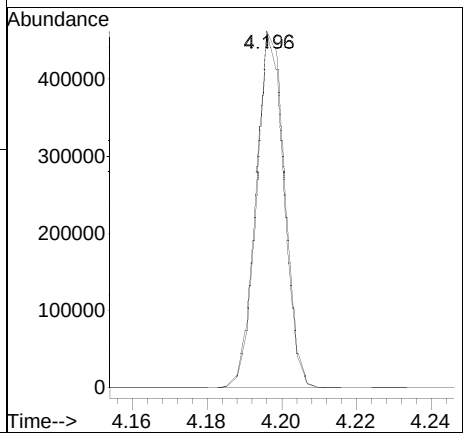


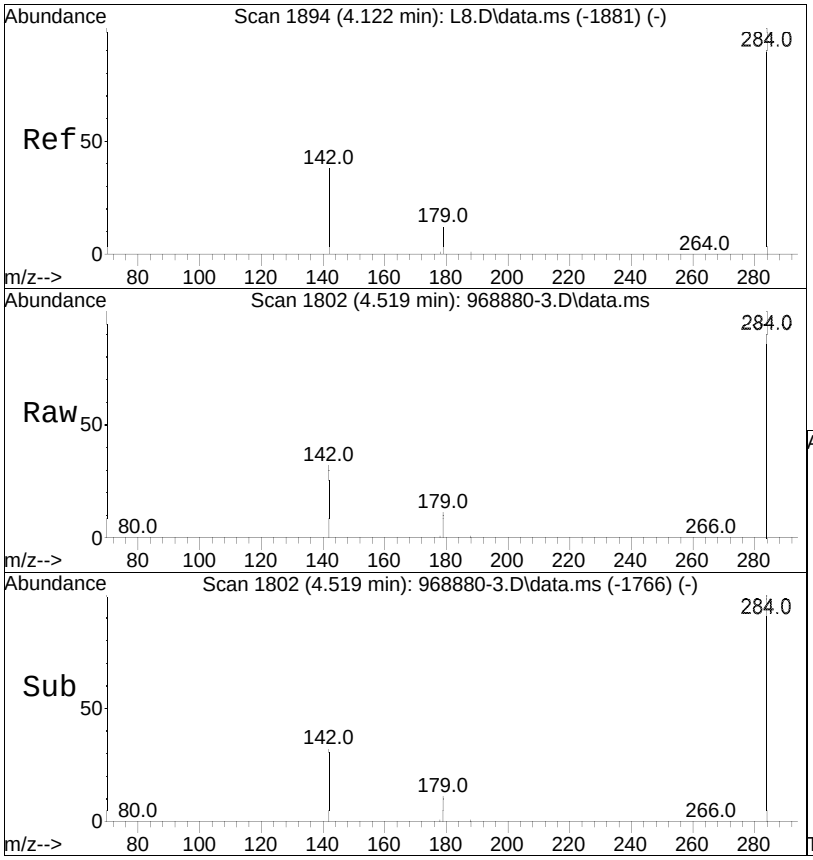


#20
Fluorene
Concen: 1605.82 ng/ml
RT: 4.196 min Scan# 1676
Delta R.T. -0.003 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:166 Resp: 241640

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.3	118.9

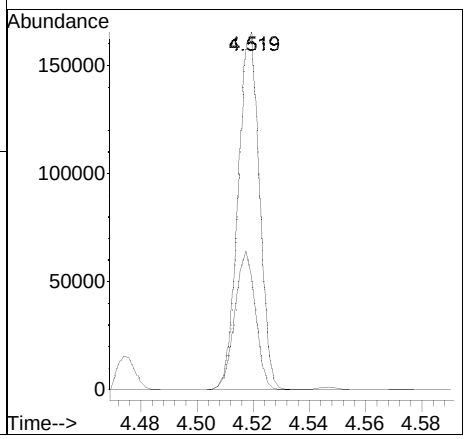


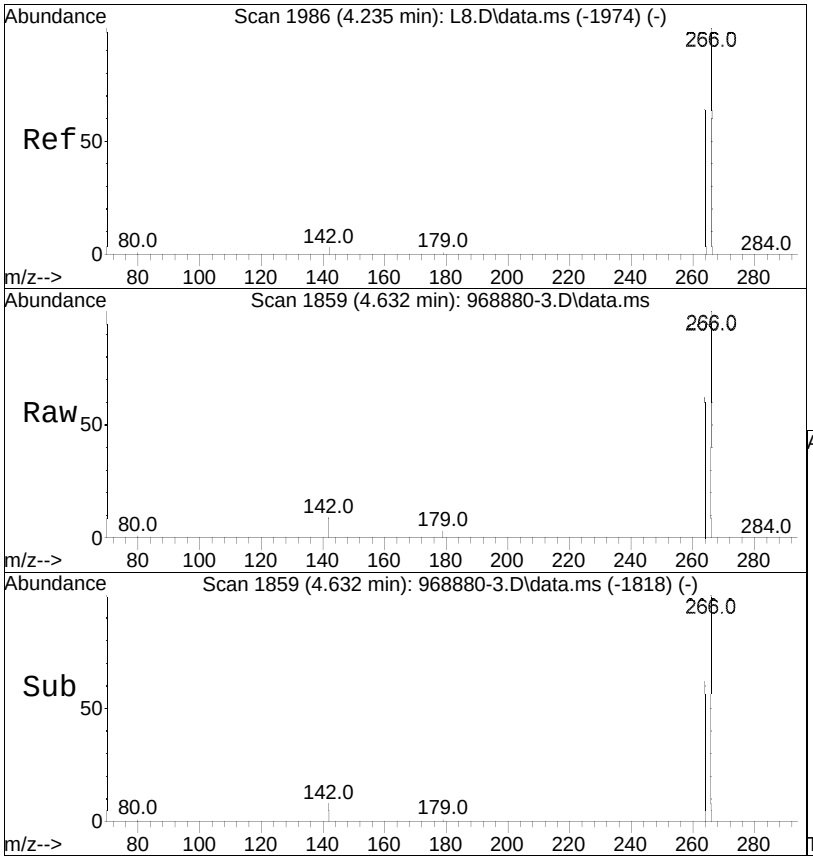


#24
Hexachlorobenzene
Concen: 1801.51 ng/ml
RT: 4.519 min Scan# 1802
Delta R.T. 0.001 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:284 Resp: 86188

Ion	Ratio	Lower	Upper
284	100		
142	37.7	30.0	45.0

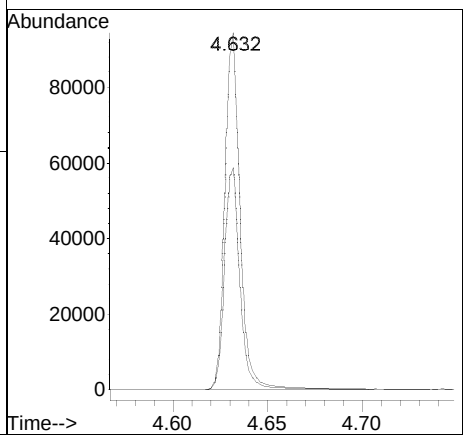


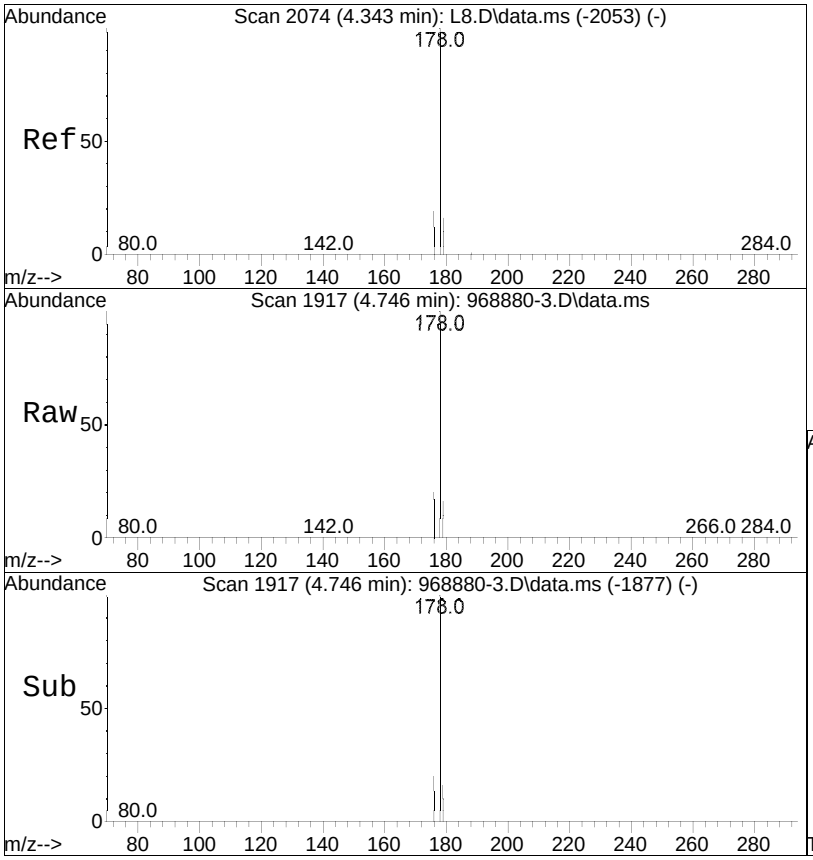


#25
Pentachlorophenol
Concen: 1693.12 ng/ml
RT: 4.632 min Scan# 1859
Delta R.T. 0.001 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:266 Resp: 52276

Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.9	74.9

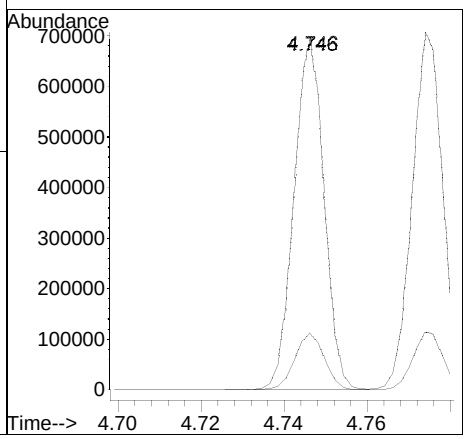


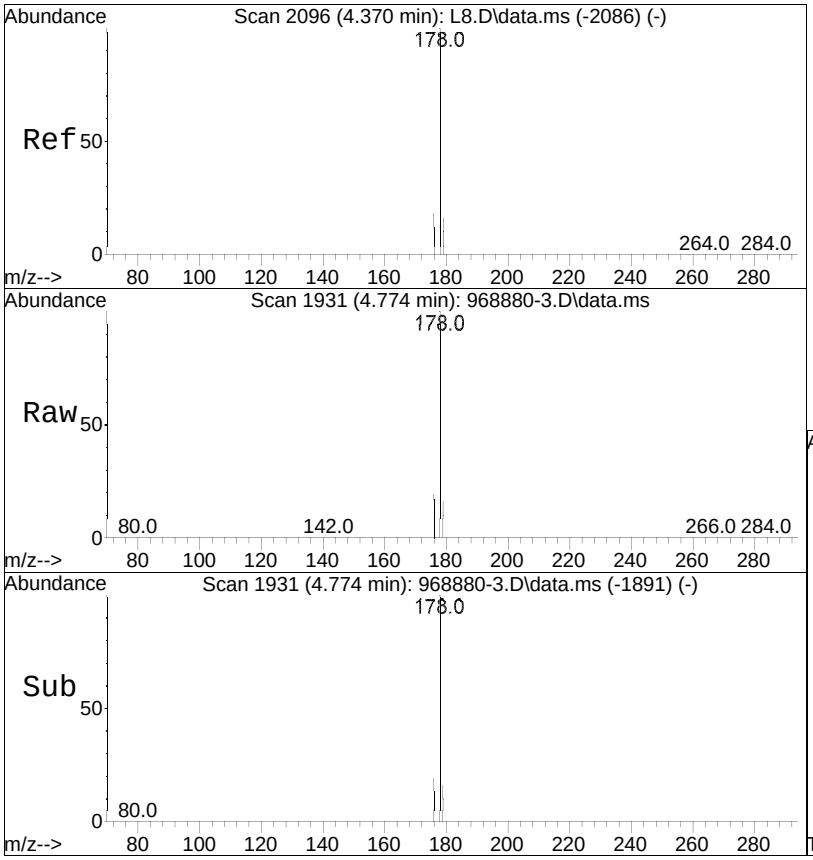


#26
Phenanthrene
Concen: 1722.58 ng/ml
RT: 4.746 min Scan# 1917
Delta R.T. -0.001 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:178 Resp: 348929

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	18.8

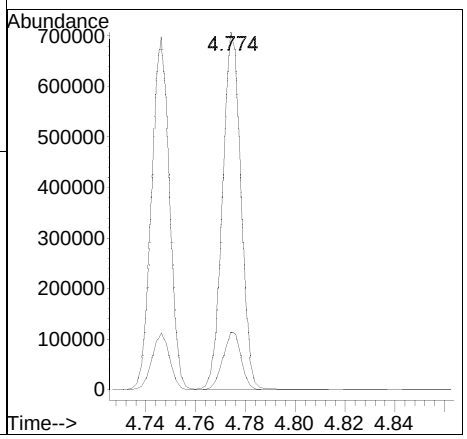


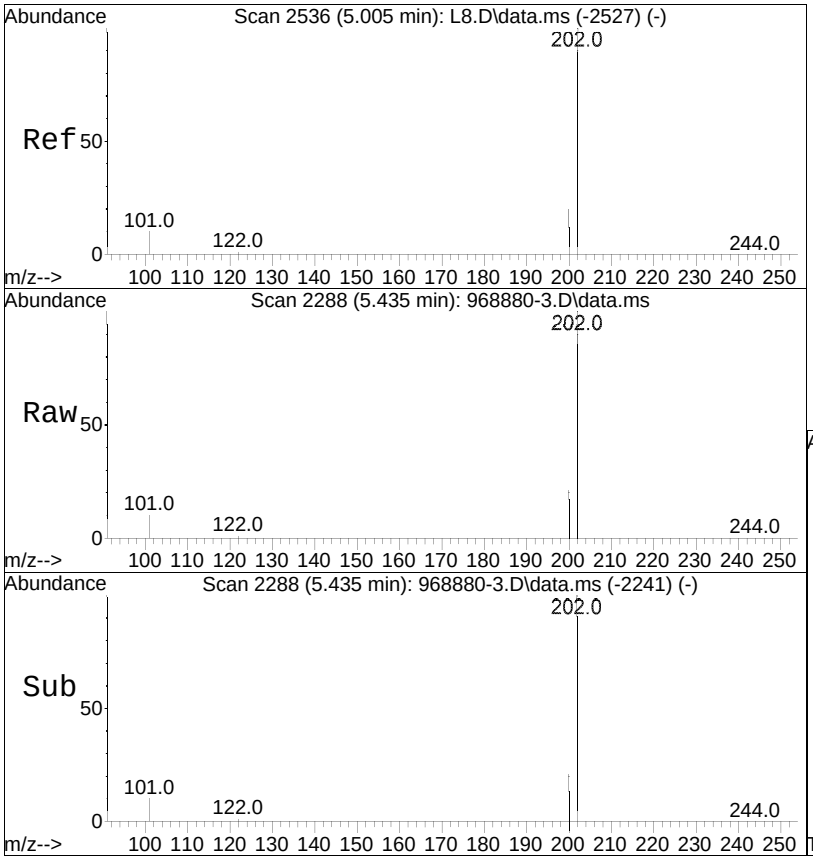


#27
Anthracene
Concen: 1737.65 ng/ml
RT: 4.774 min Scan# 1931
Delta R.T. -0.001 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:178 Resp: 363666

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6

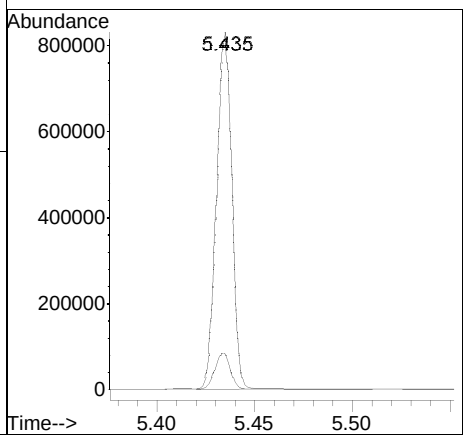


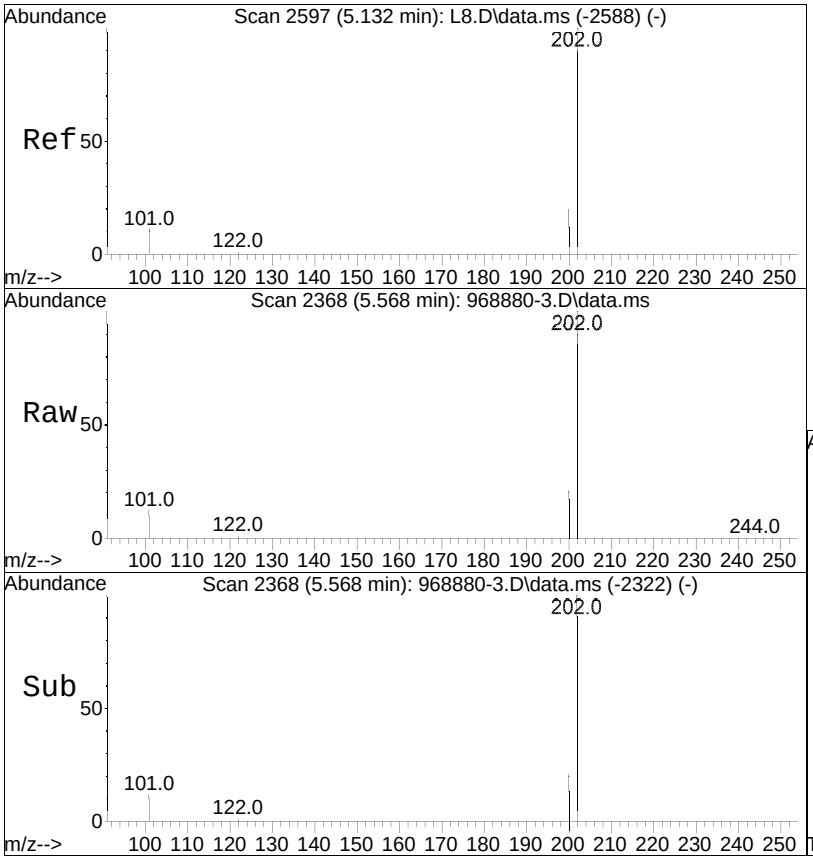


#28
Fluoranthene
Concen: 1598.49 ng/ml
RT: 5.435 min Scan# 2288
Delta R.T. -0.003 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:202 Resp: 444602

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.1	12.1

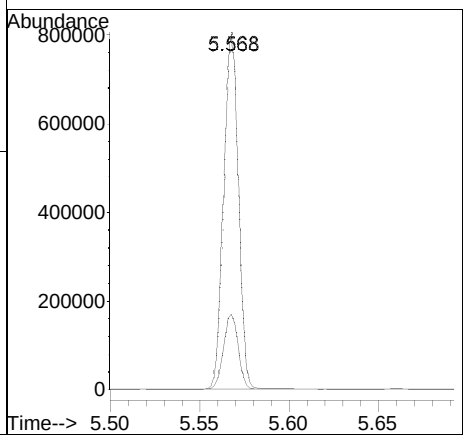


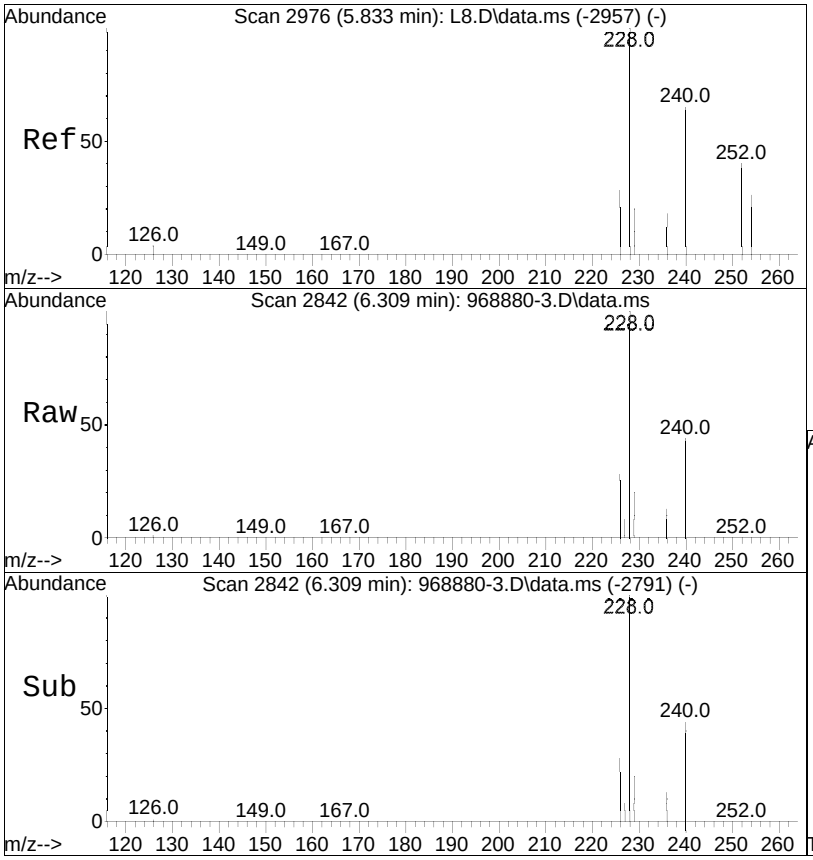


#29
Pyrene
Concen: 1576.48 ng/ml
RT: 5.568 min Scan# 2368
Delta R.T. -0.004 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:202 Resp: 454375

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7

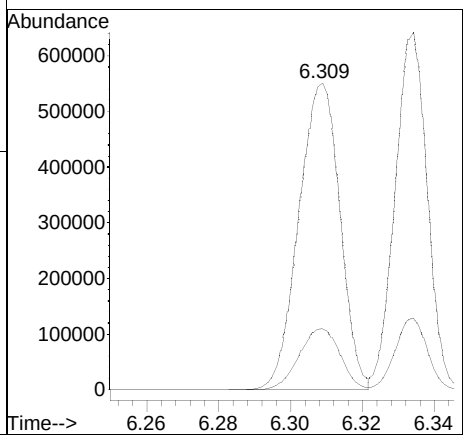


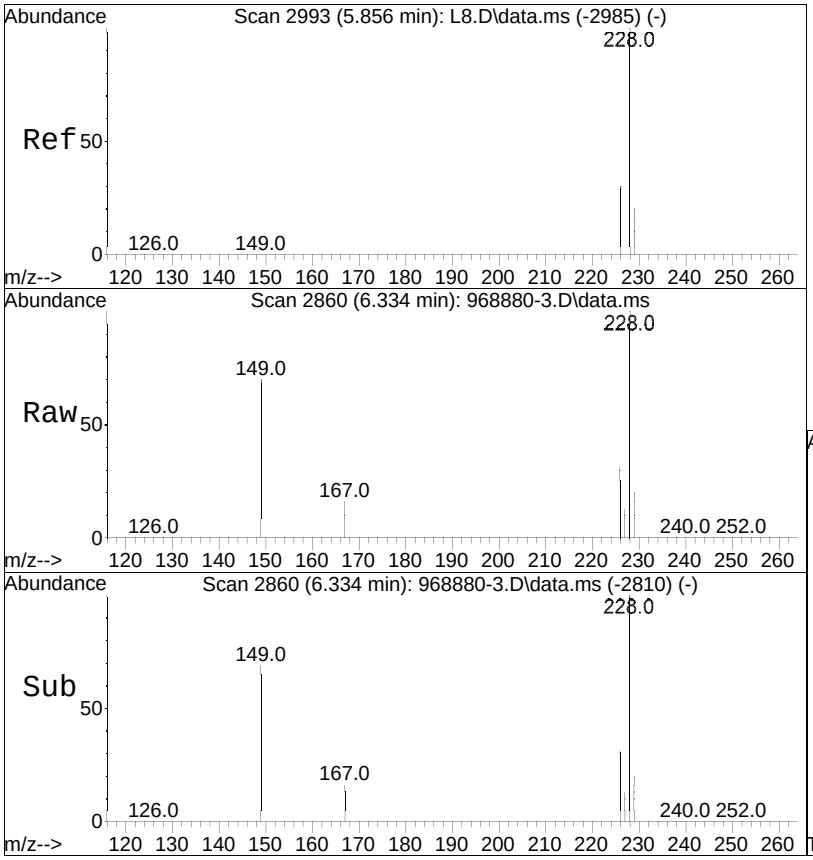


#32
Benzo[a]anthracene
Concen: 1815.18 ng/ml
RT: 6.309 min Scan# 2842
Delta R.T. -0.008 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:228 Resp: 437282

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

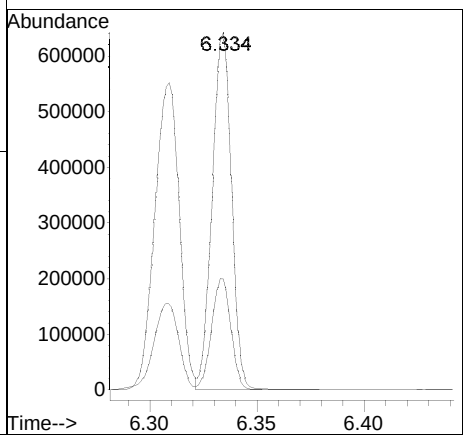


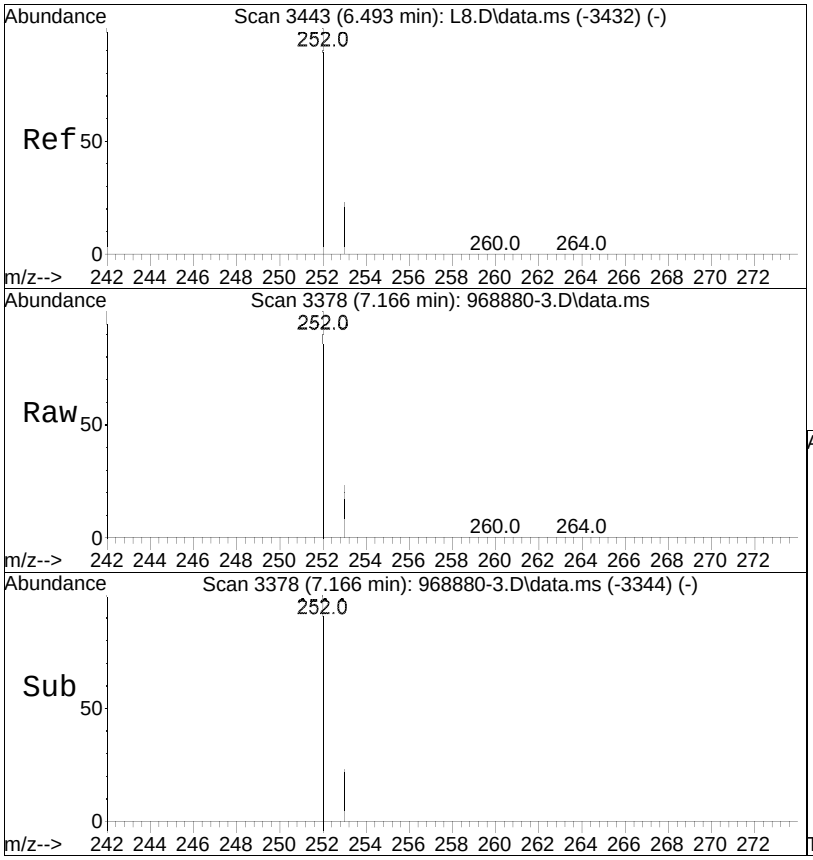


#34
Chrysene
Concen: 1683.02 ng/ml
RT: 6.334 min Scan# 2860
Delta R.T. -0.009 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:228 Resp: 400256

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9

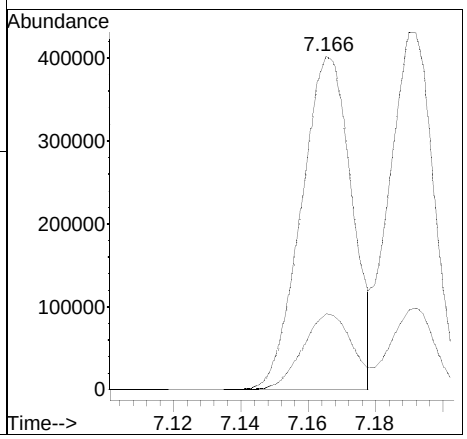


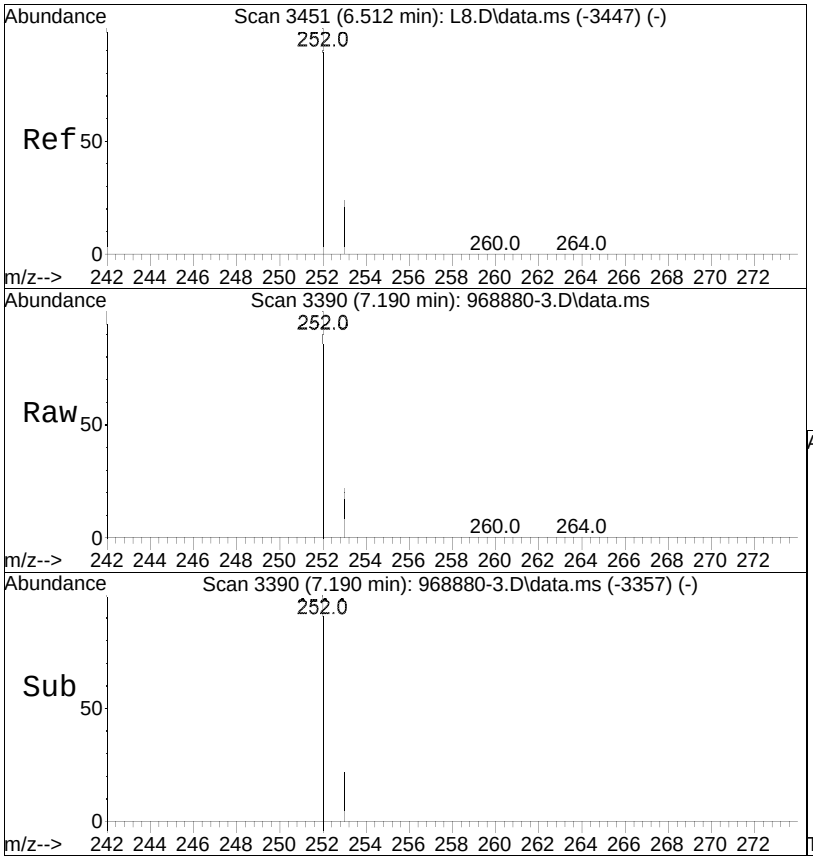


#37
Benzo[b]fluoranthene
Concen: 1612.72 ng/ml
RT: 7.166 min Scan# 3378
Delta R.T. -0.011 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:252 Resp: 418452

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0

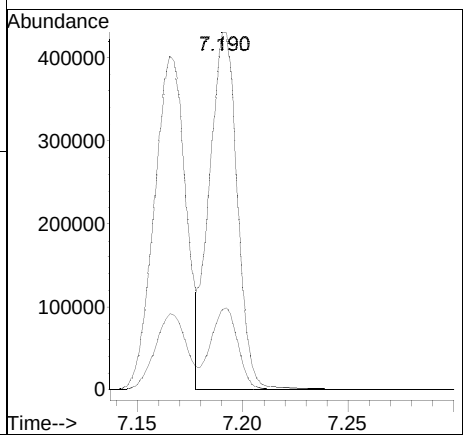


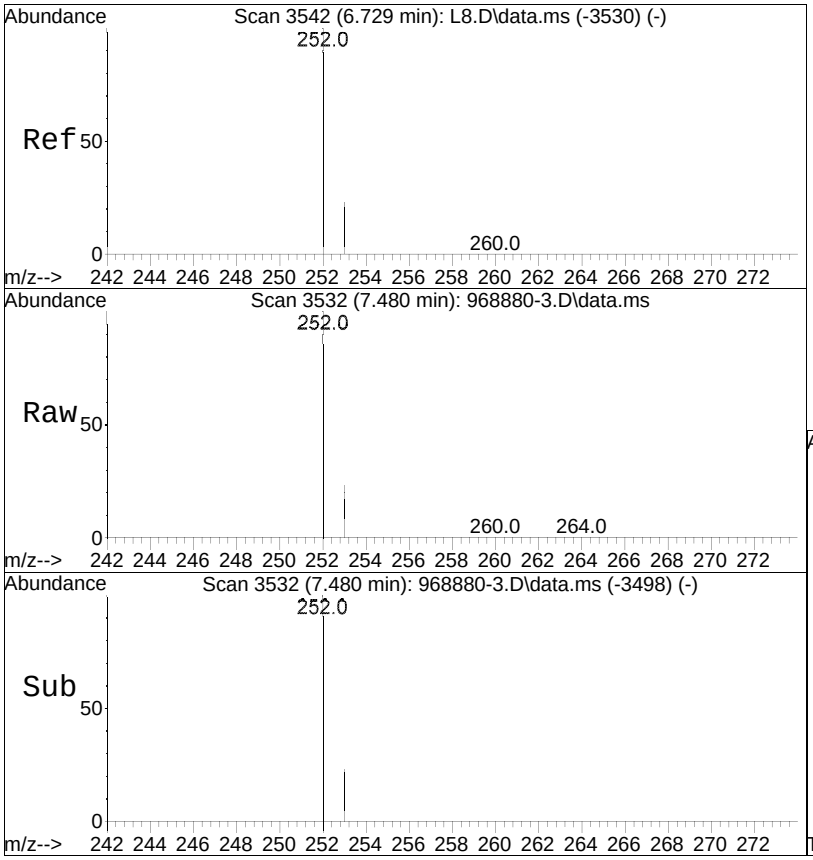


#38
Benzo[k]fluoranthene
Concen: 1652.05 ng/ml
RT: 7.190 min Scan# 3390
Delta R.T. -0.013 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:252 Resp: 396013

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5

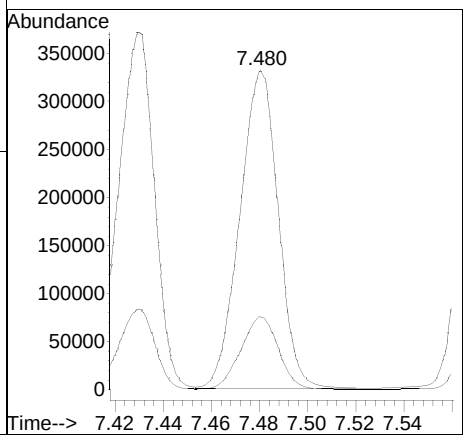


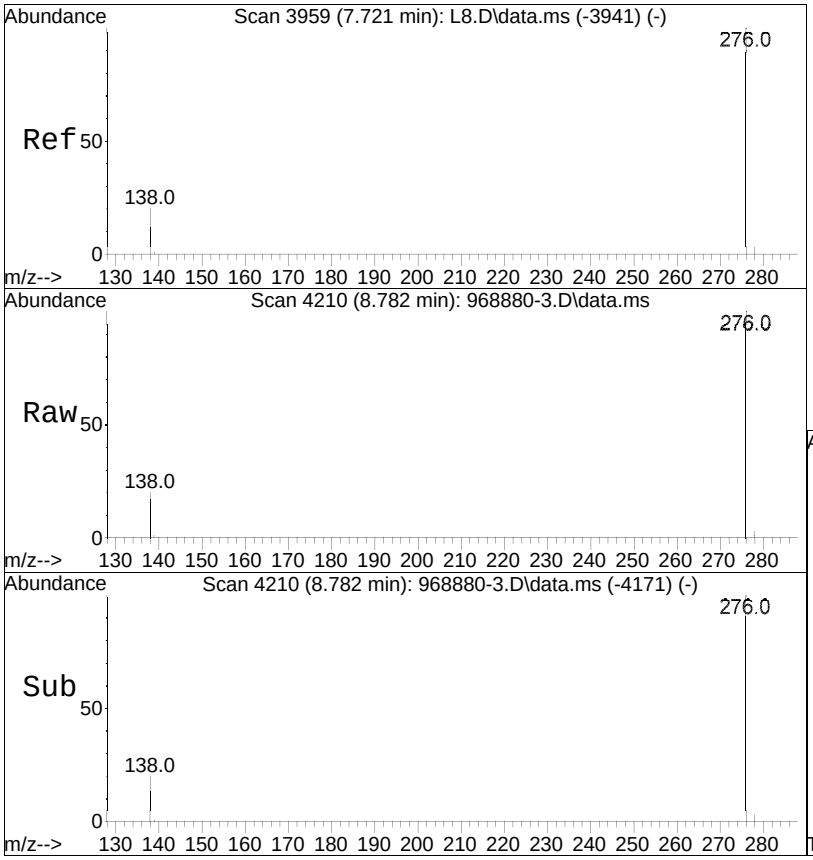


#39
Benzo[a]pyrene
Concen: 1597.31 ng/ml
RT: 7.480 min Scan# 3532
Delta R.T. -0.011 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:252 Resp: 367070

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

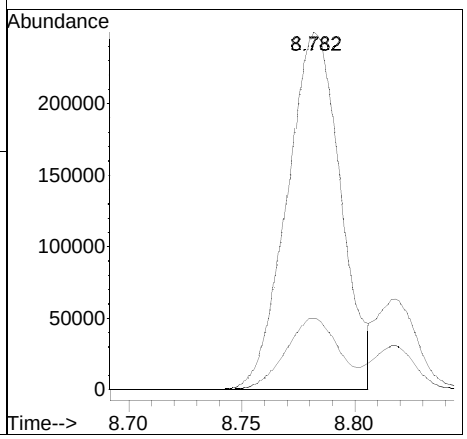


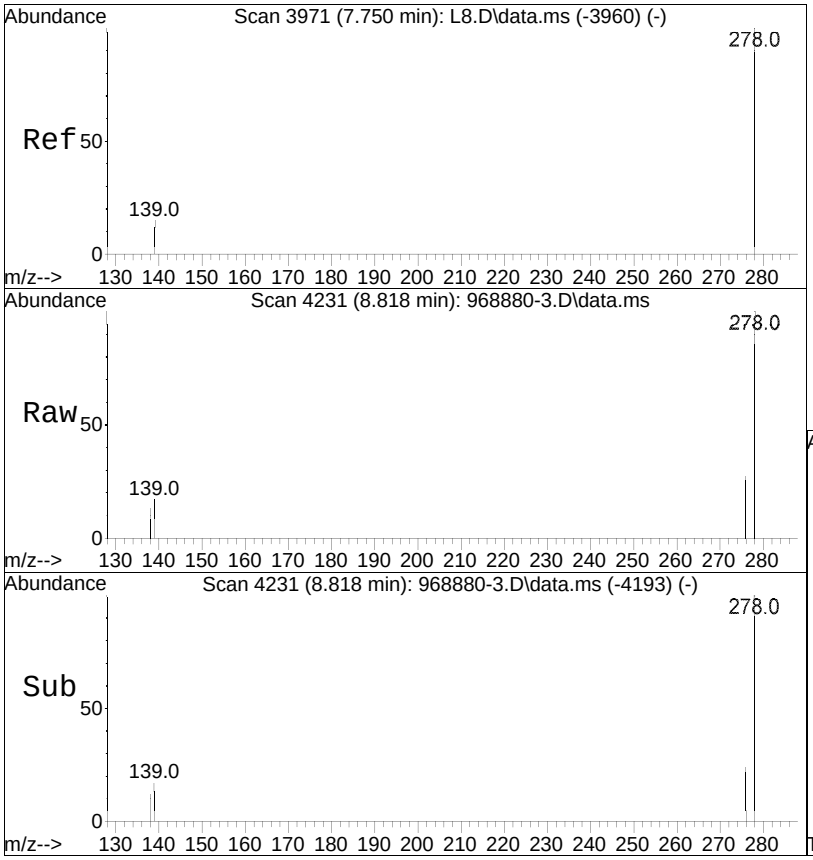


#40
Indeno[1,2,3-cd]pyrene
Concen: 1760.48 ng/ml
RT: 8.782 min Scan# 4210
Delta R.T. -0.013 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:276 Resp: 408972

Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.1	22.7

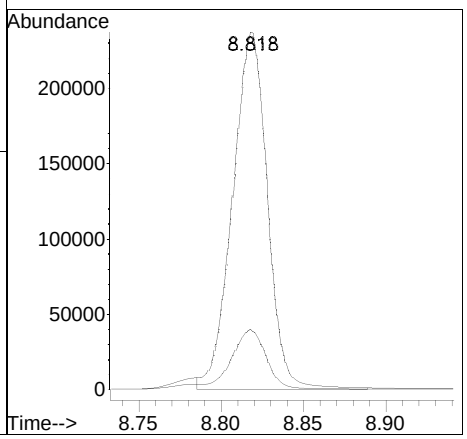


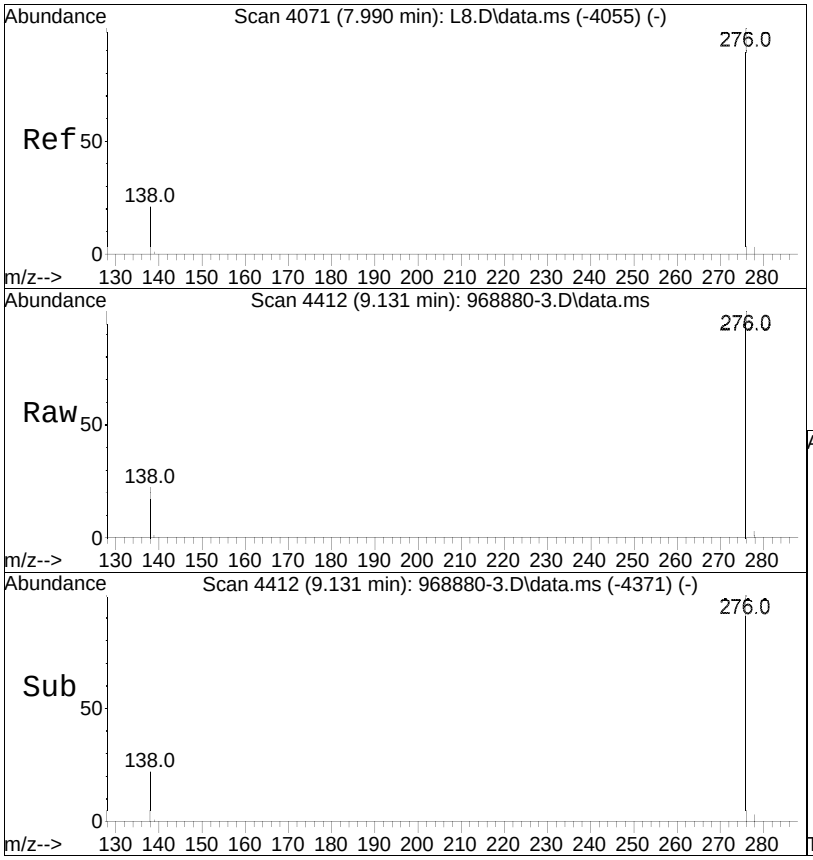


#41
Dibenzo[a,h]anthracene
Concen: 1673.59 ng/ml M6
RT: 8.818 min Scan# 4231
Delta R.T. -0.015 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:278 Resp: 346328

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.3	19.9

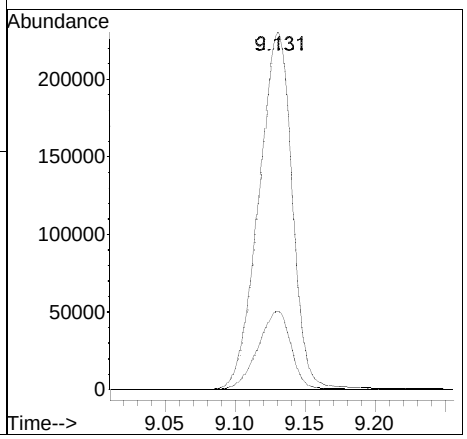




#42
Benzo[g,h,i]perylene
Concen: 1651.62 ng/ml
RT: 9.131 min Scan# 4412
Delta R.T. -0.009 min
Lab File: 968880-3.D
Acq: 10 Sep 2024 09:53 am

Tgt Ion:276 Resp: 377396

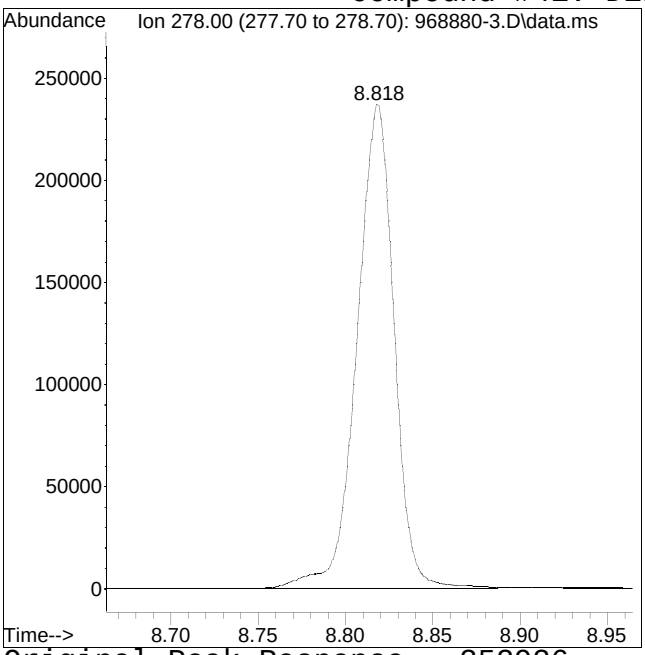
Ion	Ratio	Lower	Upper
276	100		
138	21.9	16.9	25.3



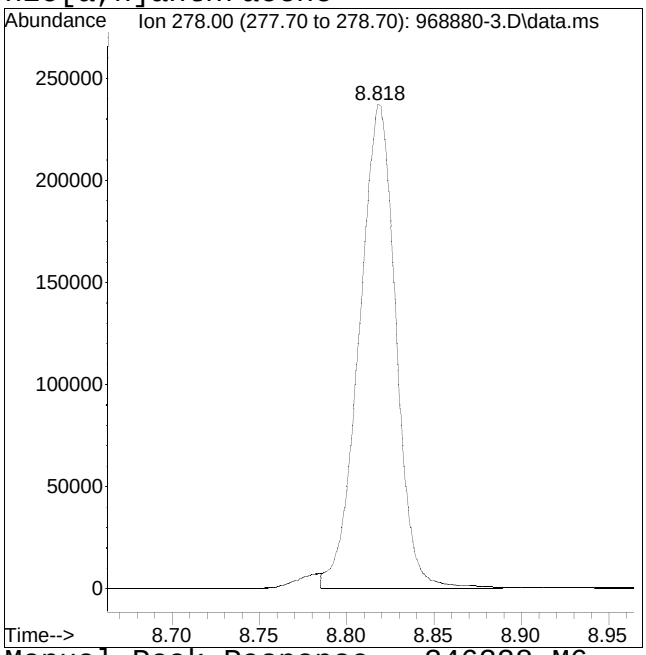
Manual Integration Report

Data Path : I:\8270SIM\sv119\240910RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 968880-3.D Operator : sv119:jjw
Date Inj'd : 9/10/2024 9:53 am Instrument : SV119
Sample : WG1968880-3,32,,kmh Quant Date : 9/10/2024 10:09 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 352926



Manual Peak Response = 346328 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-3.D
Acq On : 10 Sep 2024 10:05 am
Operator : SV120:jjw
Sample : WG1968976-3,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 10:38:37 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.123	152	251271	4000.000	ng/ml	0.01
Standard Area 1 = 275803			Recovery = 91.11%			
8) Naphthalene-d8	2.771	136	1014860	4000.000	ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 92.46%			
17) Acenaphthene-d10	3.736	164	568075	4000.000	ng/ml	0.00
Standard Area 1 = 627546			Recovery = 90.52%			
22) Phenanthrene-d10	4.562	188	1130039	4000.000	ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 92.02%			
31) Chrysene-d12	6.080	240	1026470	4000.000	ng/ml	-0.02
Standard Area 1 = 1204331			Recovery = 85.23%			
36) Perylene-d12	7.133	264	1019083	4000.000	ng/ml	-0.02
Standard Area 1 = 1217989			Recovery = 83.67%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.573	112	96606	1294.374	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 64.72%			
3) Phenol-d6	1.947	99	92164	1015.147	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.76%			
7) Nitrobenzene-d5	2.396	82	73500	994.708	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.47%			
13) 2-Fluorobiphenyl	3.364	172	180456	825.138	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.51%			
21) 2,4,6-Tribromophenol	4.175	330	54556	1744.390	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 87.22%			
30) 4-Terphenyl-d14	5.464	244	227744	962.328	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.12%			
Target Compounds						Qvalue
6) Hexachloroethane	2.373	117	55087	1562.799	ng/ml	95
9) Naphthalene	2.782	128	451115	1547.972	ng/ml#	100
10) Hexachlorobutadiene	2.854	225	79702	1592.172	ng/ml	100
11) 2-Methylnaphthalene	3.158	142	311564	1684.333	ng/ml	99
14) 2-Chloronaphthalene	3.424	162	312927	1664.983	ng/ml	93
16) Acenaphthylene	3.655	152	503401	1865.730	ng/ml	100
18) Acenaphthene	3.753	153	342552	1672.131	ng/ml	96
20) Fluorene	4.040	166	386532	1702.713	ng/ml	99
24) Hexachlorobenzene	4.353	284	130469	1646.610	ng/ml	96
25) Pentachlorophenol	4.464	266	78036	1978.093	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-3.D
Acq On : 10 Sep 2024 10:05 am
Operator : SV120:jjw
Sample : WG1968976-3,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 10:38:37 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.573	178	582702	1736.524	ng/ml	100
27) Anthracene	4.601	178	593451	1833.107	ng/ml	100
28) Fluoranthene	5.242	202	696448	1920.871	ng/ml	100
29) Pyrene	5.369	202	721394	1909.753	ng/ml	99
32) Benzo[a]anthracene	6.073	228	682598	1761.242	ng/ml	100
34) Chrysene	6.095	228	615080	1647.498	ng/ml	99
37) Benzo[b]fluoranthene	6.807	252	658597	1914.586	ng/ml	100
38) Benzo[k]fluoranthene	6.828	252	611649	1887.274	ng/ml	99
39) Benzo[a]pyrene	7.077	252	569890	2071.551	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.198	276	606027	2350.909	ng/ml	95
41) Dibenzo[a,h]anthracene	8.231	278	555751M6	2297.198	ng/ml	
42) Benzo[g,h,i]perylene	8.505	276	543351	2062.047	ng/ml	94

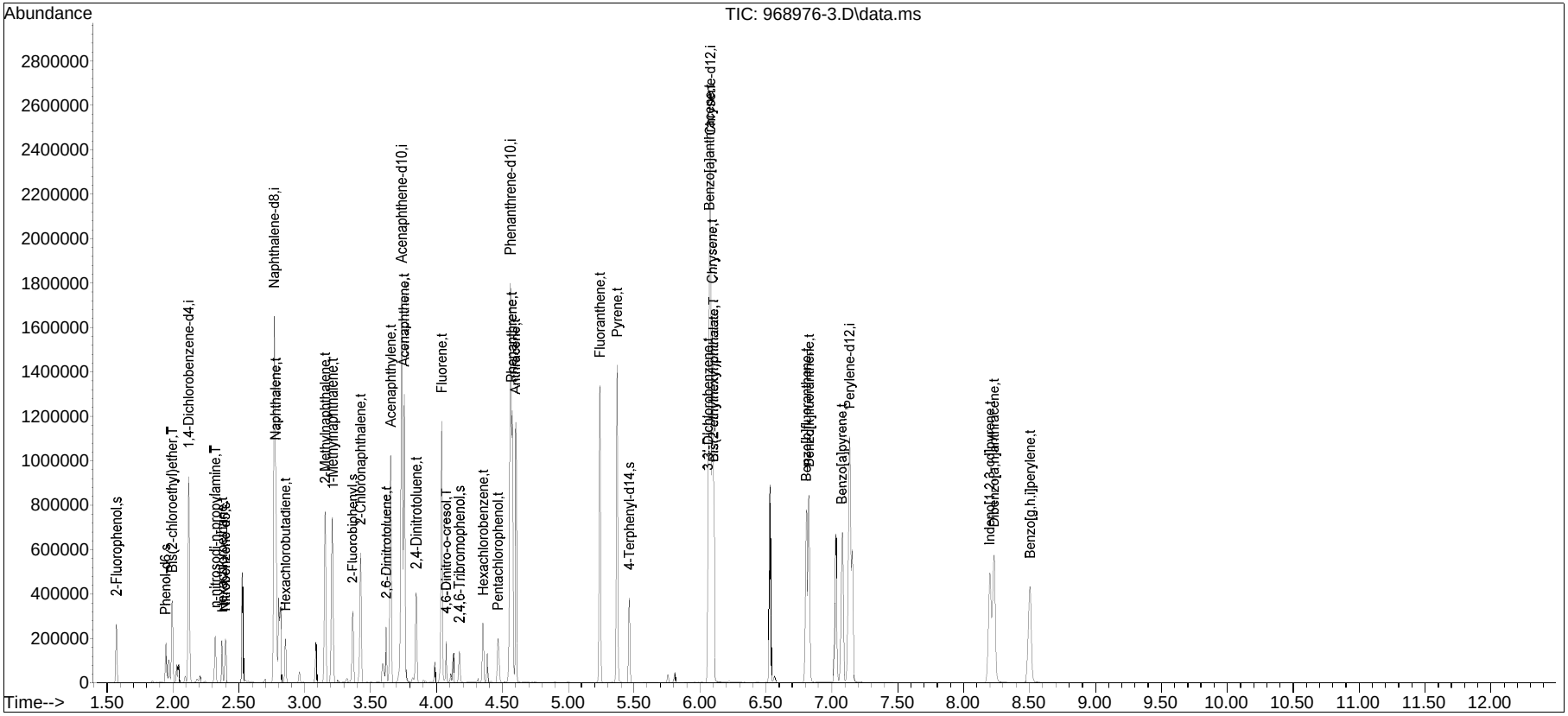
(#) = qualifier out of range (m) = manual integration (+) = signals summed

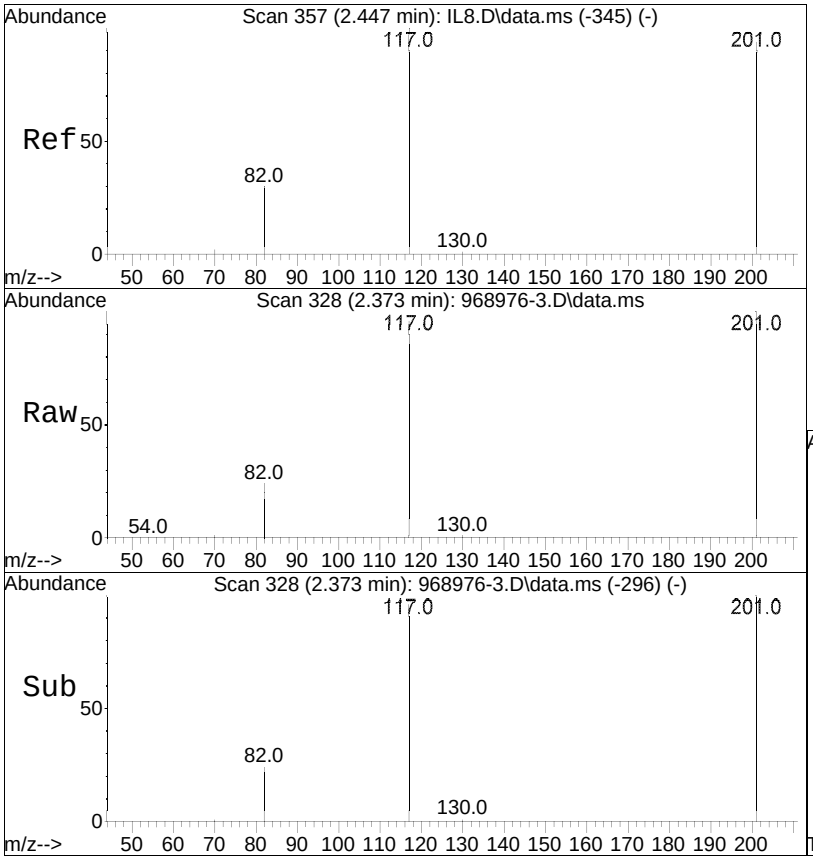
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-3.D
Acq On : 10 Sep 2024 10:05 am
Operator : SV120:jjw
Sample : WG1968976-3,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 10:38:37 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•

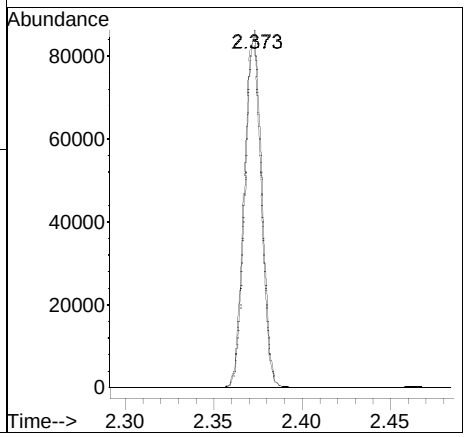


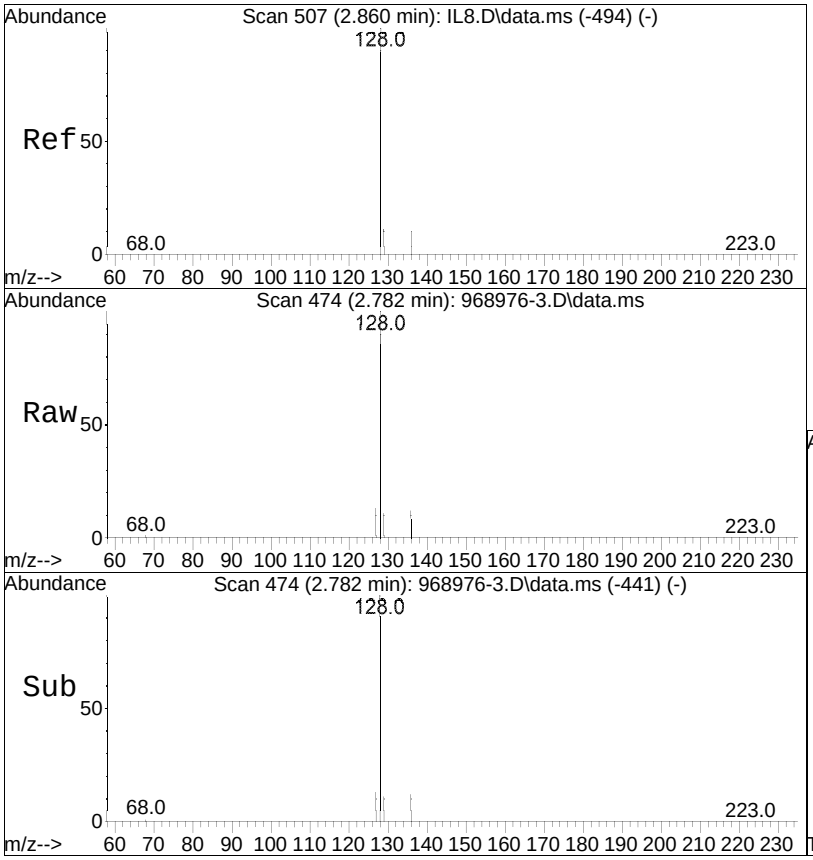


#6
Hexachloroethane
Concen: 1562.80 ng/ml
RT: 2.373 min Scan# 328
Delta R.T. 0.009 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:117 Resp: 55087

Ion	Ratio	Lower	Upper
117	100		
201	100.9	76.6	115.0

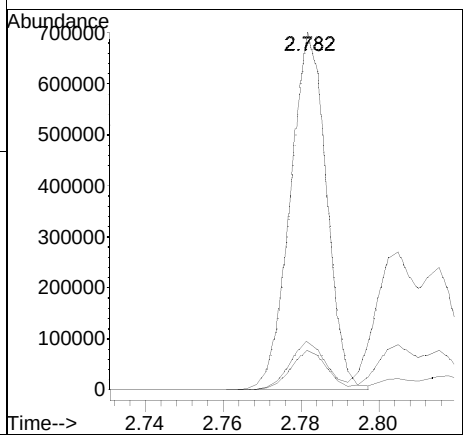


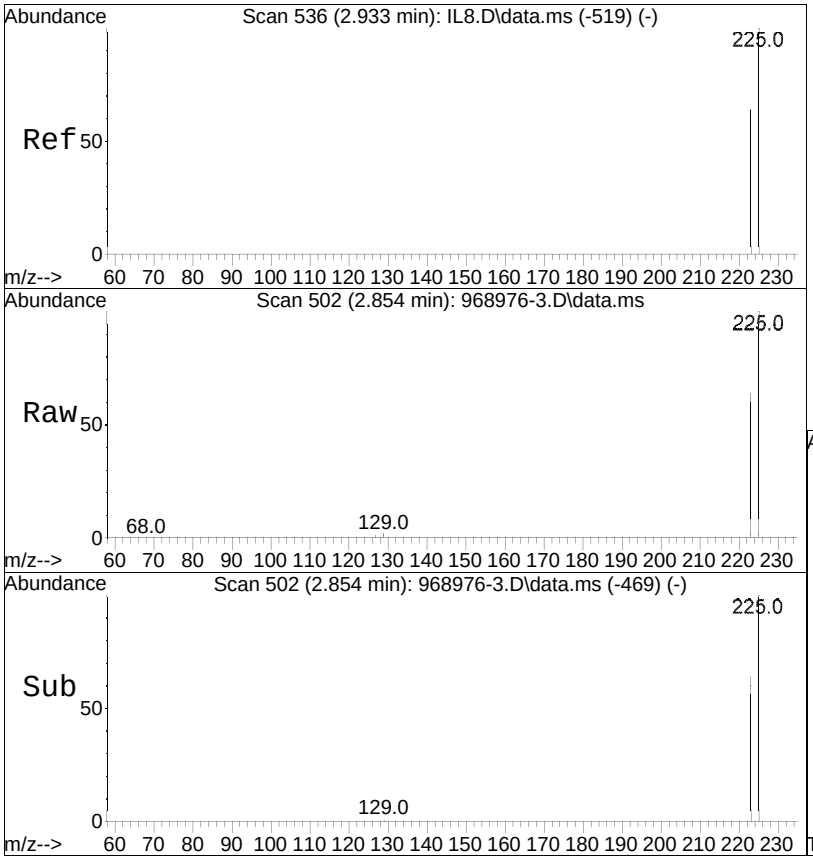


#9
Naphthalene
Concen: 1547.97 ng/ml
RT: 2.782 min Scan# 474
Delta R.T. 0.005 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:128 Resp: 451115

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.8	0.0	0.0#

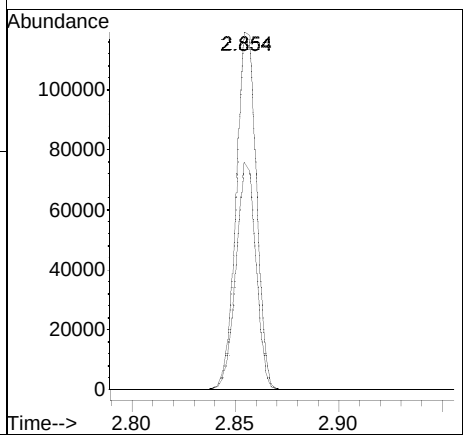


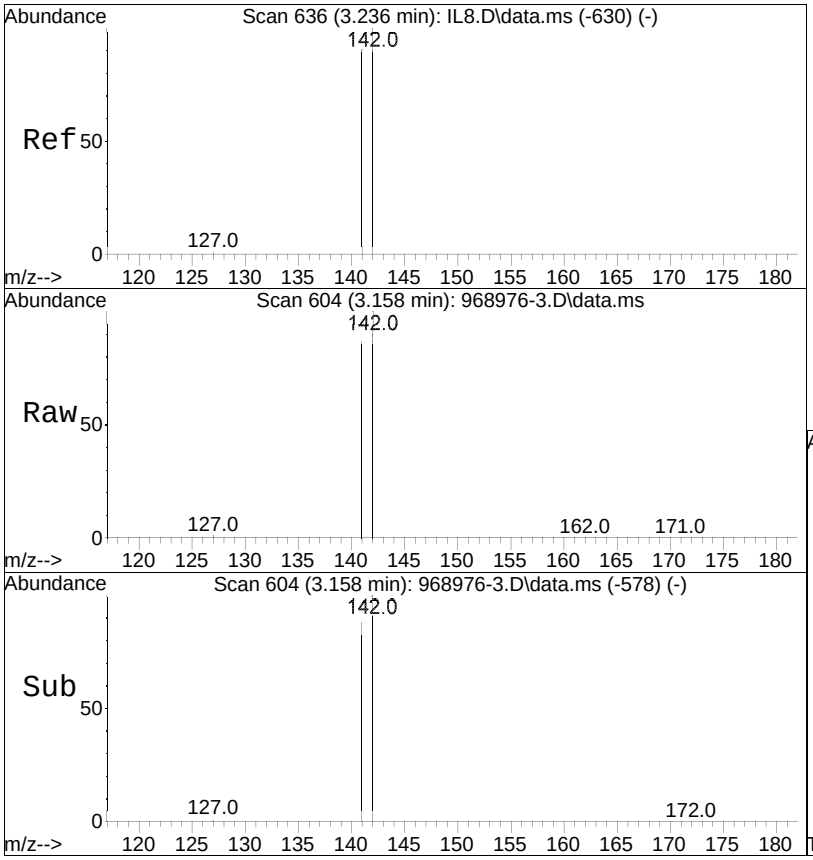


#10
Hexachlorobutadiene
Concen: 1592.17 ng/ml
RT: 2.854 min Scan# 502
Delta R.T. 0.005 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:225 Resp: 79702

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

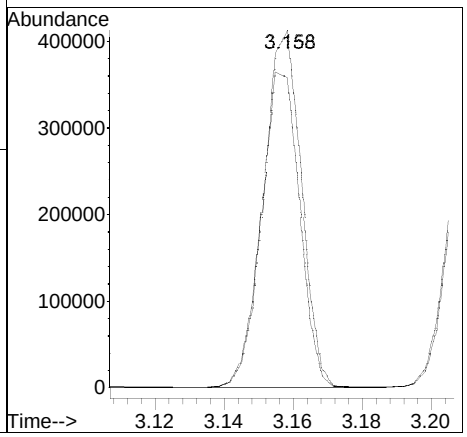


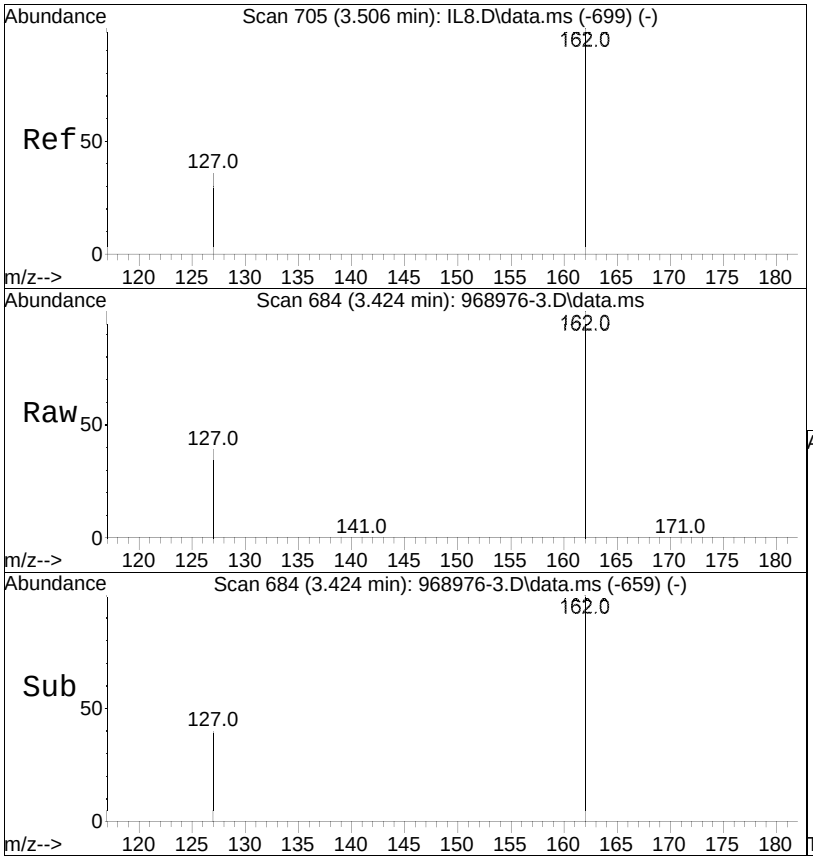


#11
2-Methylnaphthalene
Concen: 1684.33 ng/ml
RT: 3.158 min Scan# 604
Delta R.T. 0.007 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:142 Resp: 311564

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.0	109.4

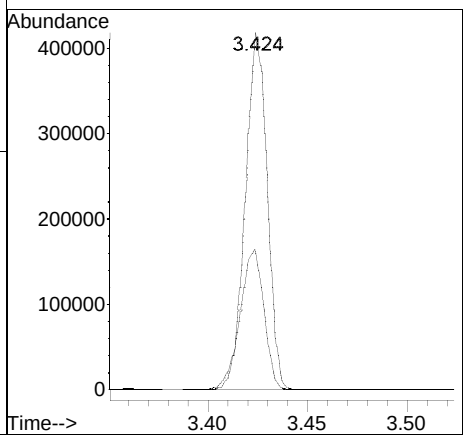


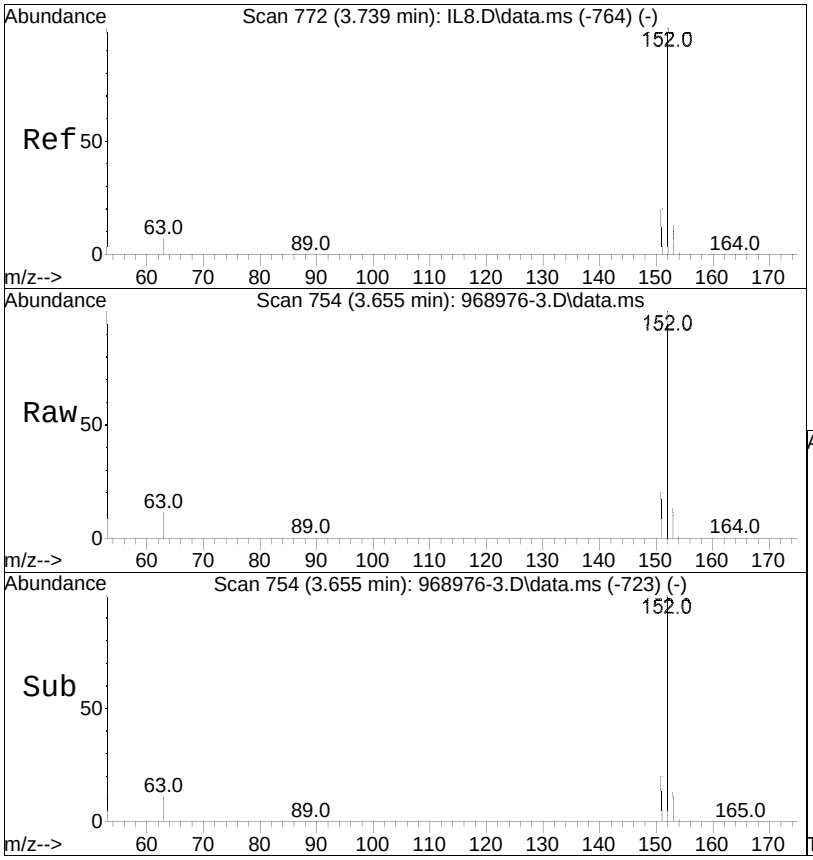


#14
2-Chloronaphthalene
Concen: 1664.98 ng/ml
RT: 3.424 min Scan# 684
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:162 Resp: 312927

Ion	Ratio	Lower	Upper
162	100		
127	43.0	30.9	46.3

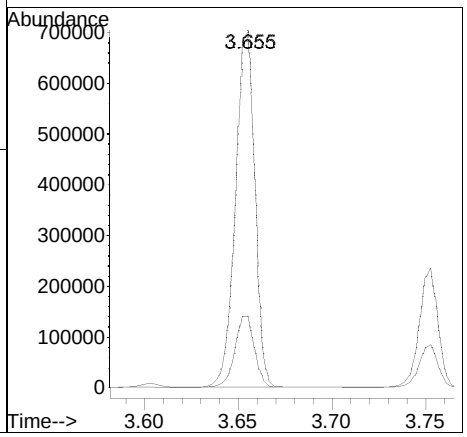


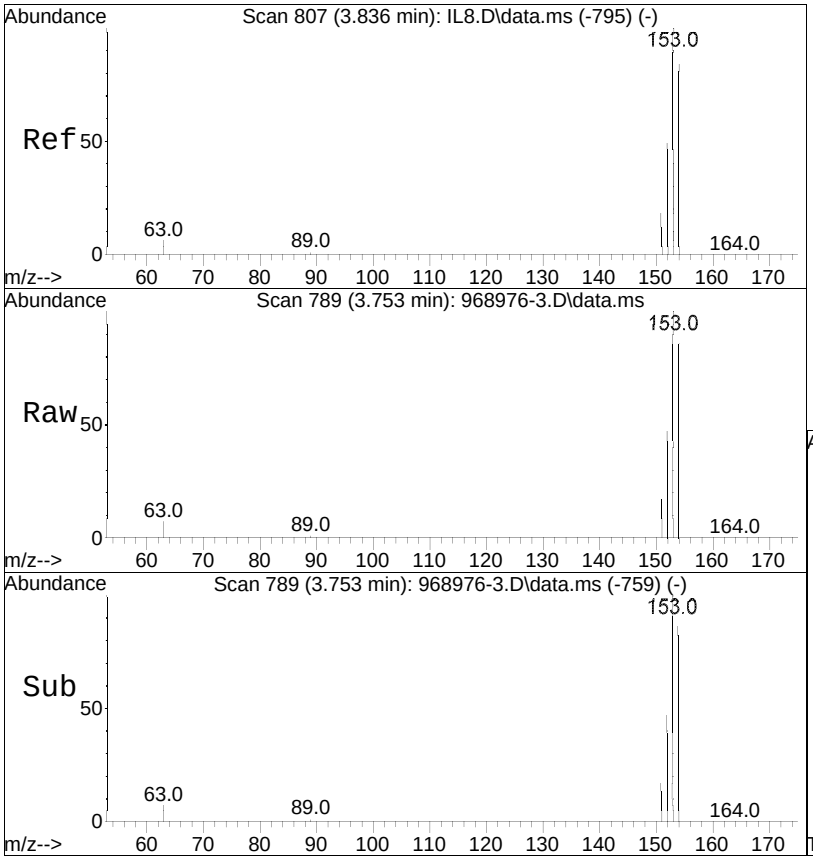


#16
Acenaphthylene
Concen: 1865.73 ng/ml
RT: 3.655 min Scan# 754
Delta R.T. 0.007 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:152 Resp: 503401

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

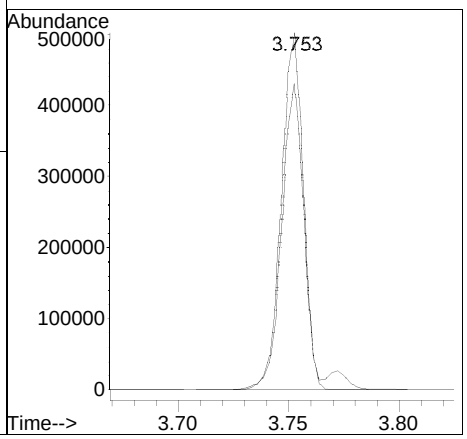


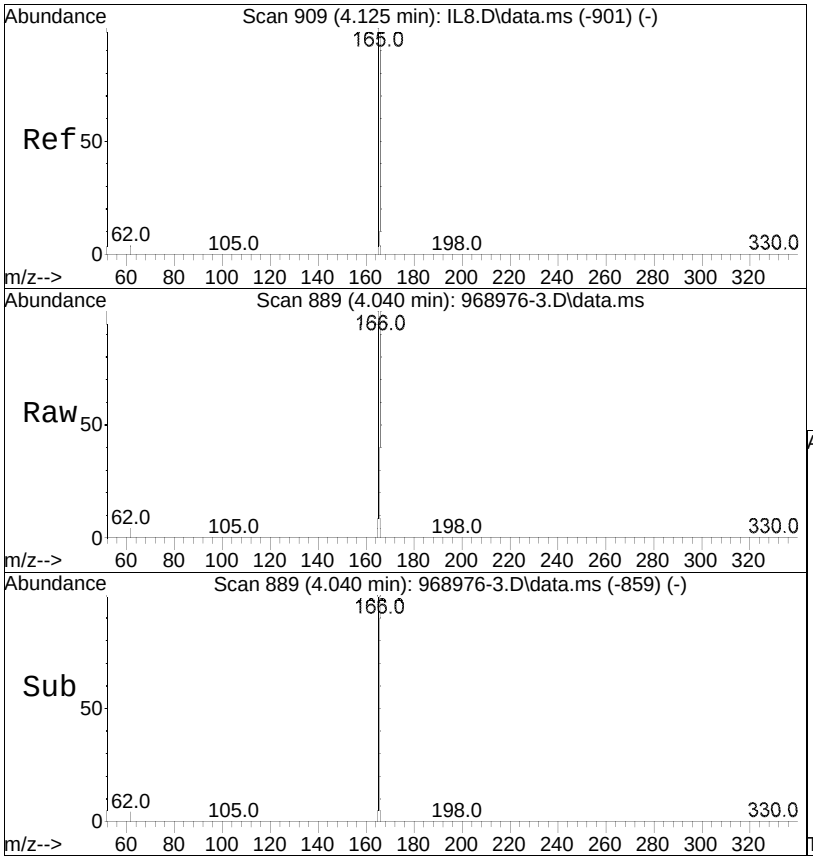


#18
Acenaphthene
Concen: 1672.13 ng/ml
RT: 3.753 min Scan# 789
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:153 Resp: 342552

Ion	Ratio	Lower	Upper
153	100		
154	86.9	72.3	108.5

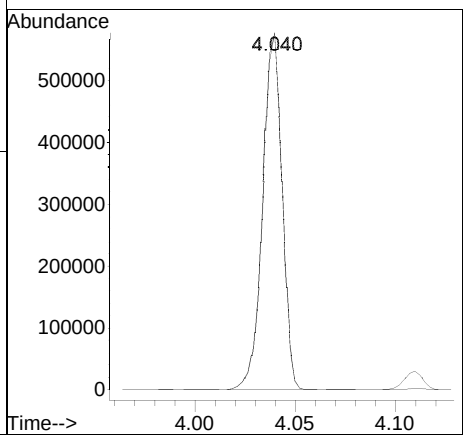


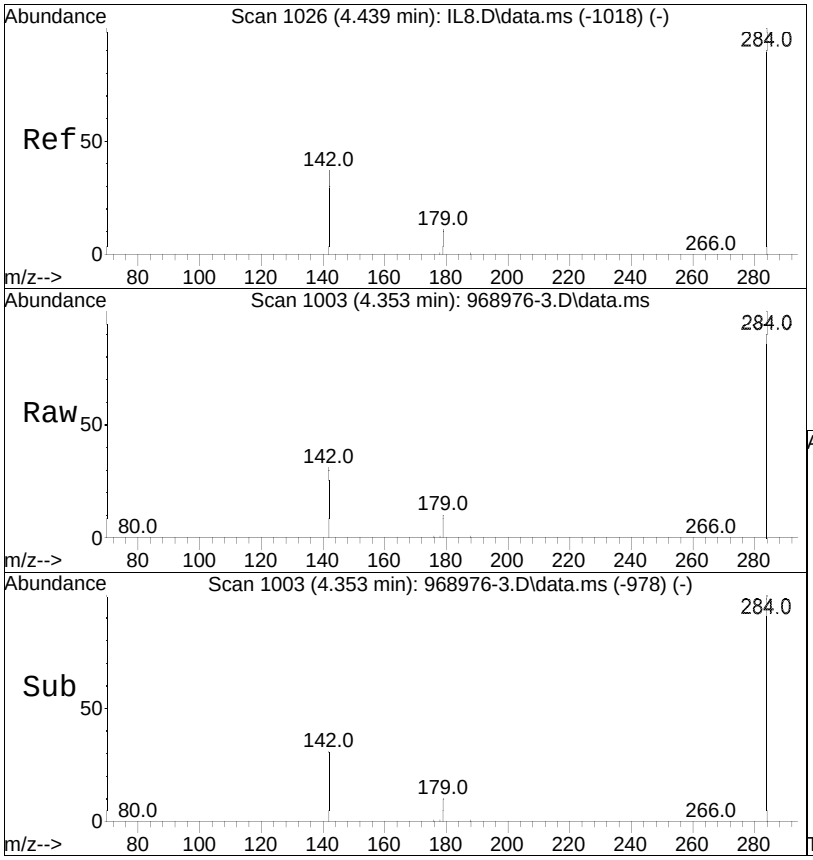


#20
Fluorene
Concen: 1702.71 ng/ml
RT: 4.040 min Scan# 889
Delta R.T. 0.006 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:166 Resp: 386532

Ion	Ratio	Lower	Upper
166	100		
165	100.7	81.5	122.3

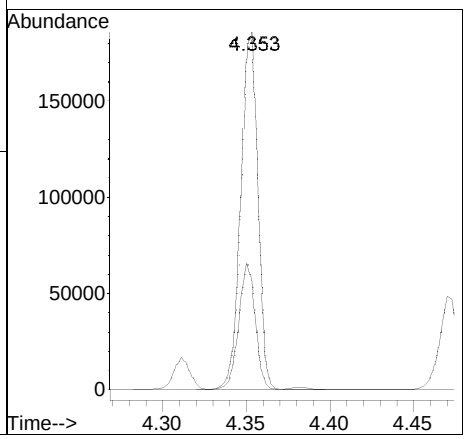


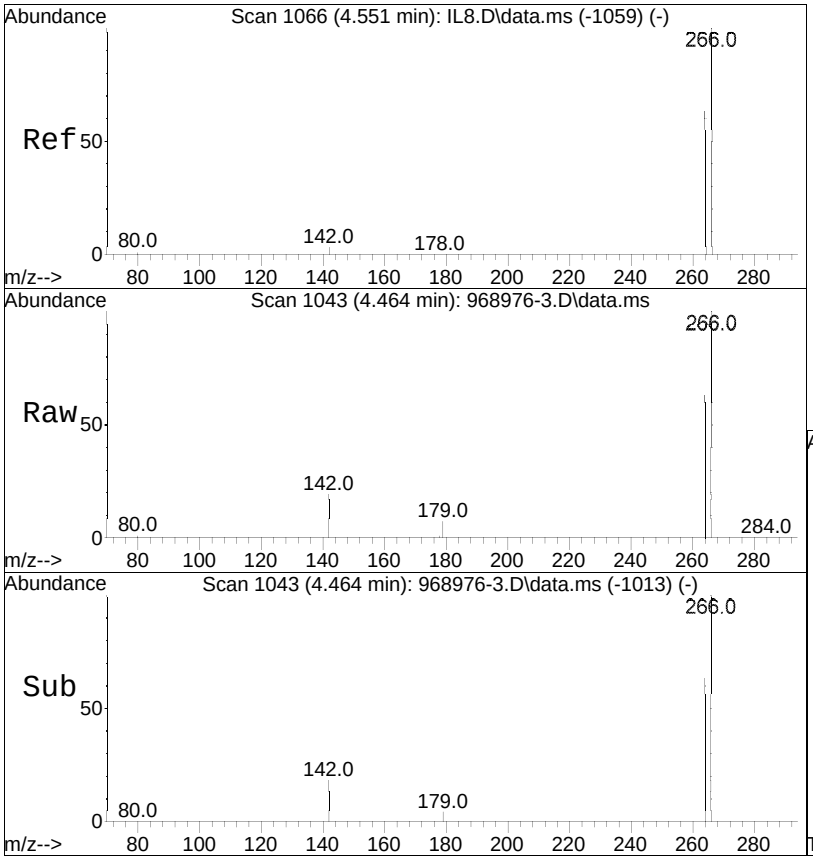


#24
Hexachlorobenzene
Concen: 1646.61 ng/ml
RT: 4.353 min Scan# 1003
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:284 Resp: 130469

Ion	Ratio	Lower	Upper
284	100		
142	34.7	29.4	44.2

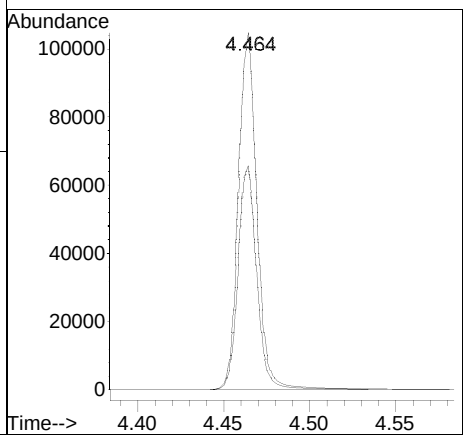


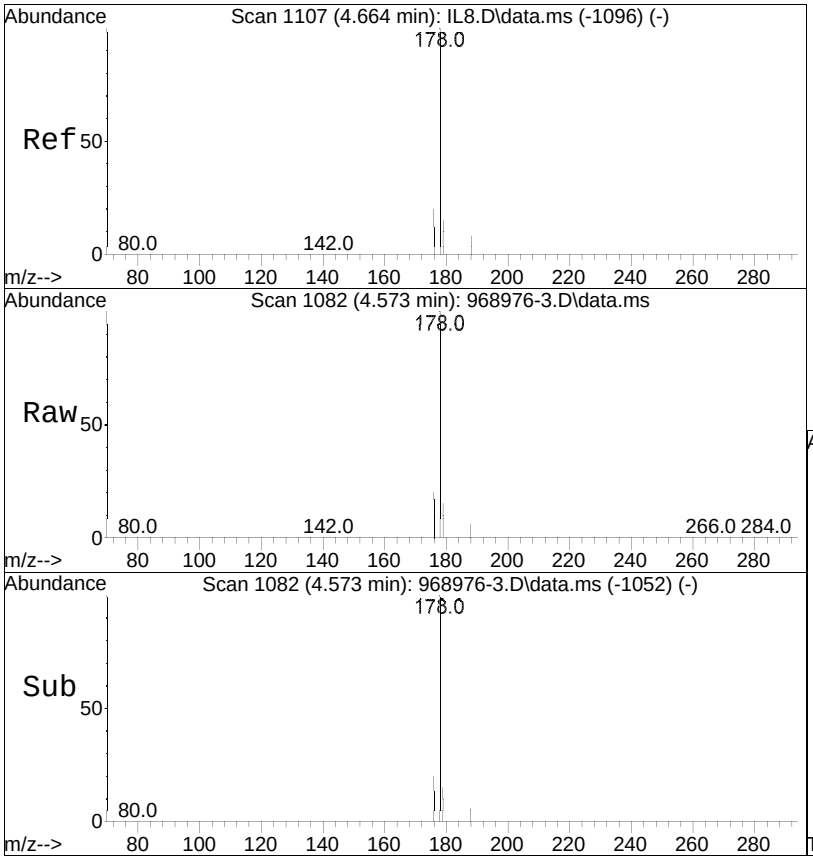


#25
Pentachlorophenol
Concen: 1978.09 ng/ml
RT: 4.464 min Scan# 1043
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:266 Resp: 78036

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.2	75.4

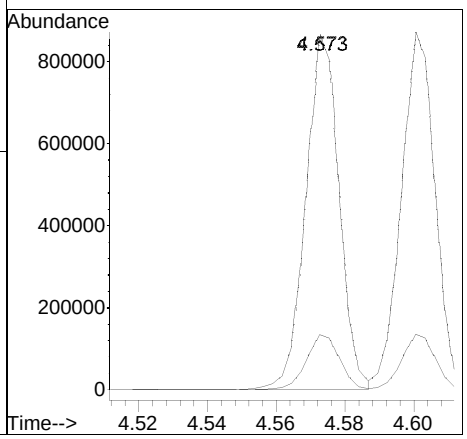


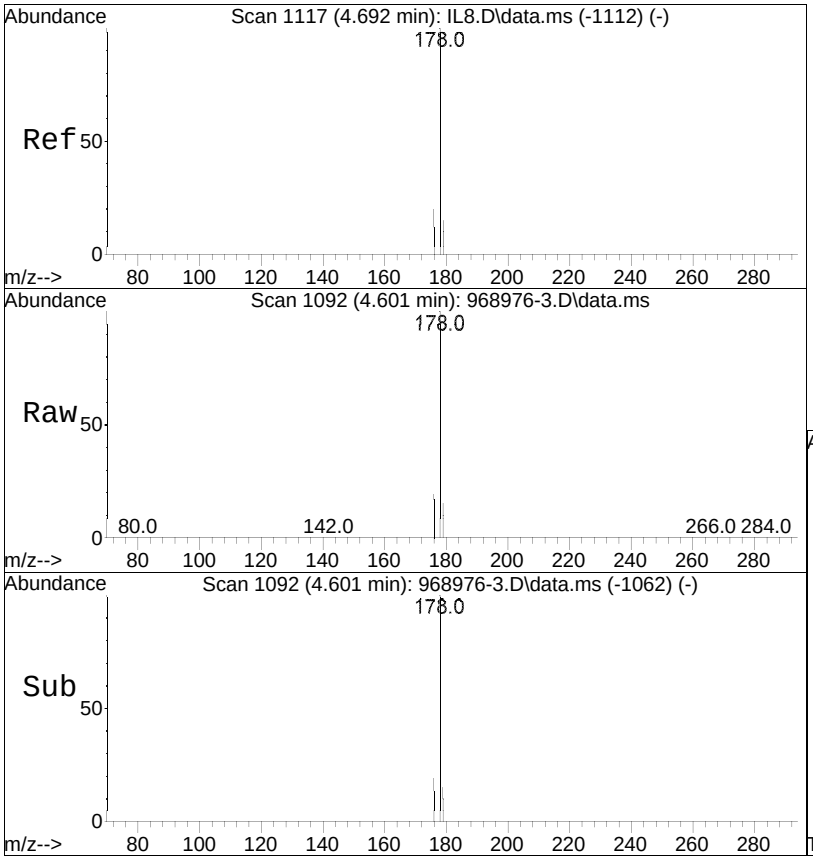


#26
Phenanthrene
Concen: 1736.52 ng/ml
RT: 4.573 min Scan# 1082
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:178 Resp: 582702

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

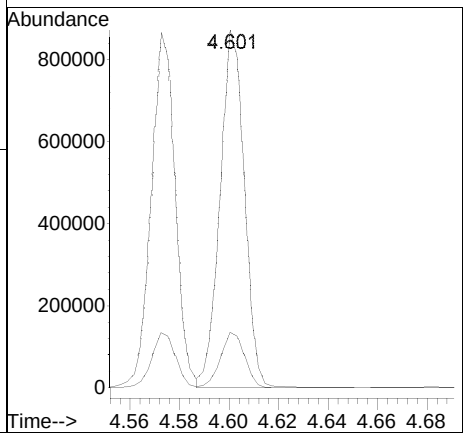


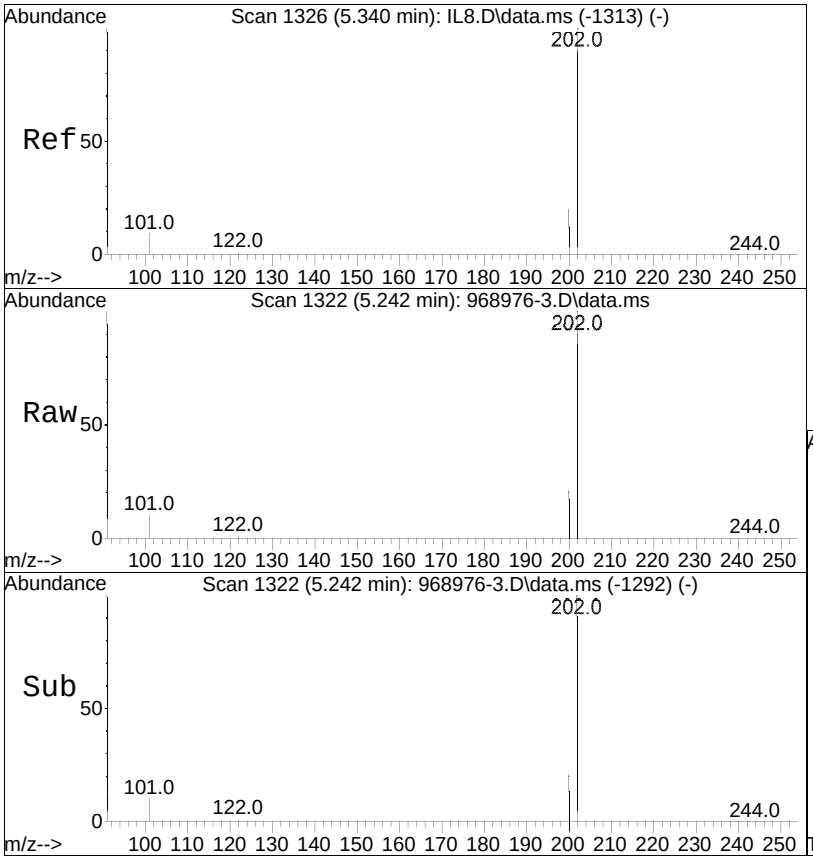


#27
Anthracene
Concen: 1833.11 ng/ml
RT: 4.601 min Scan# 1092
Delta R.T. 0.004 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:178 Resp: 593451

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

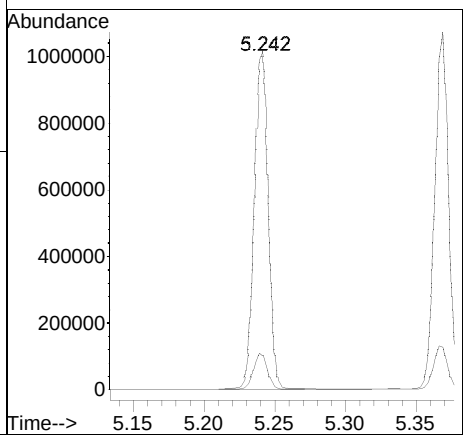


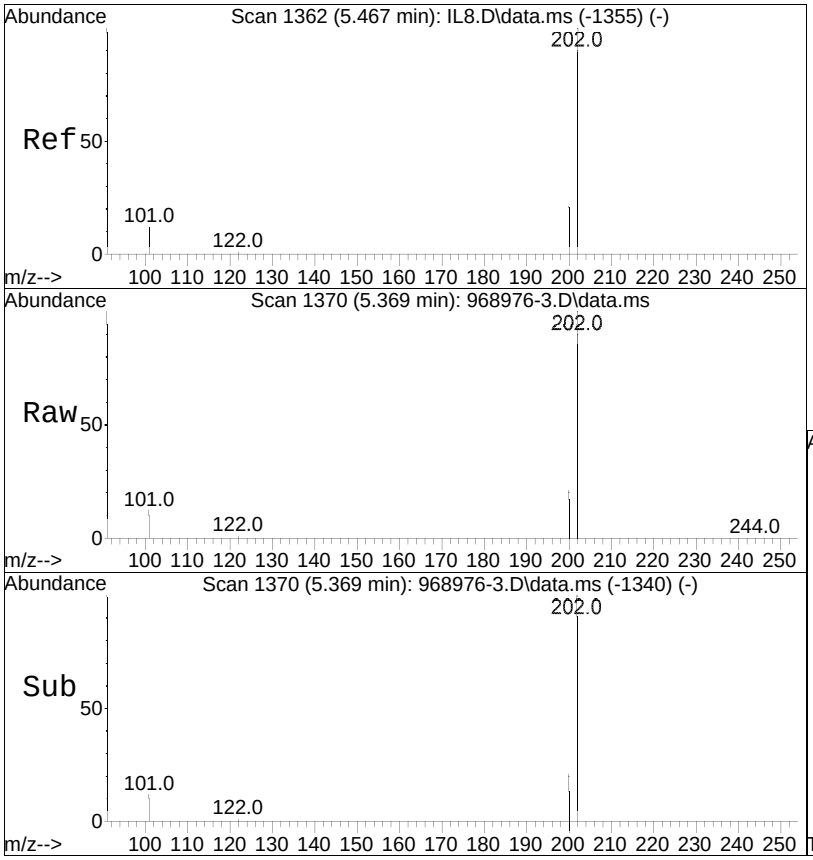


#28
Fluoranthene
Concen: 1920.87 ng/ml
RT: 5.242 min Scan# 1322
Delta R.T. -0.001 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:202 Resp: 696448

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.7	13.1

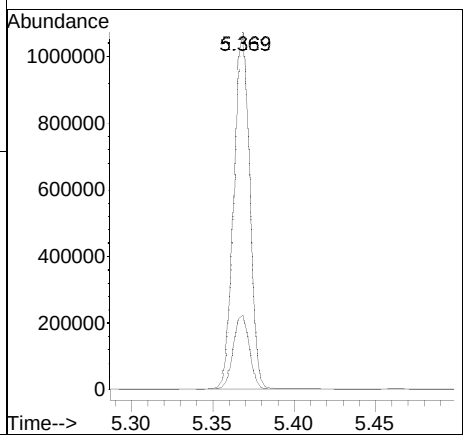


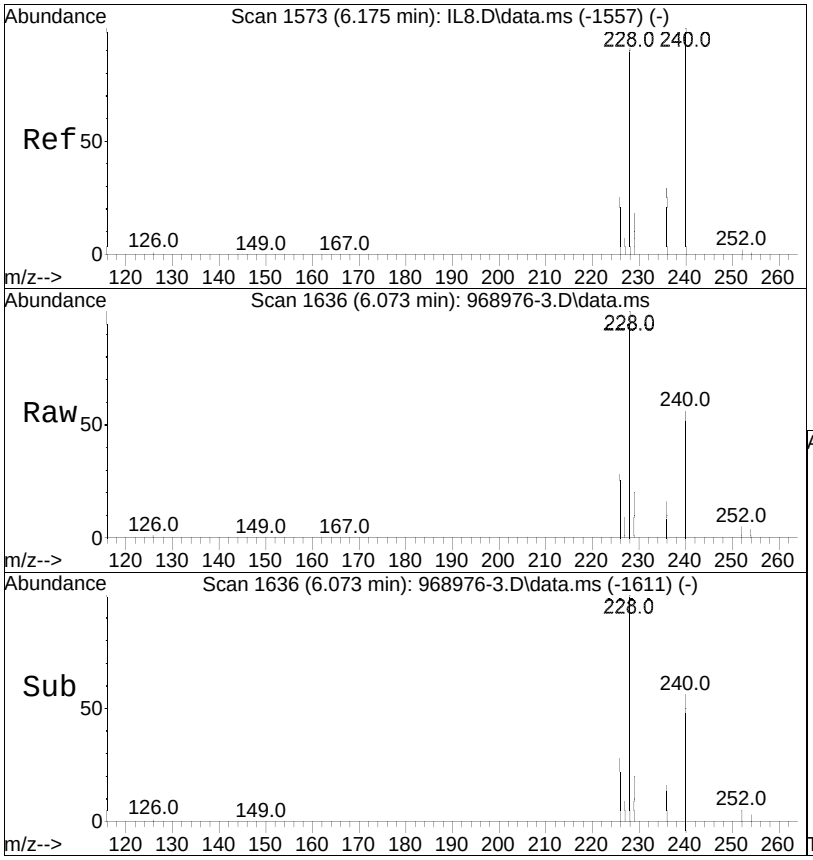


#29
Pyrene
Concen: 1909.75 ng/ml
RT: 5.369 min Scan# 1370
Delta R.T. -0.001 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:202 Resp: 721394

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2

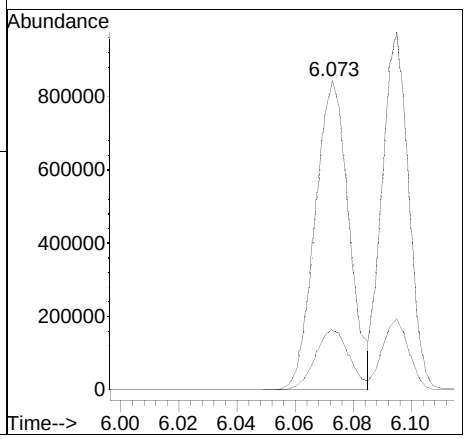


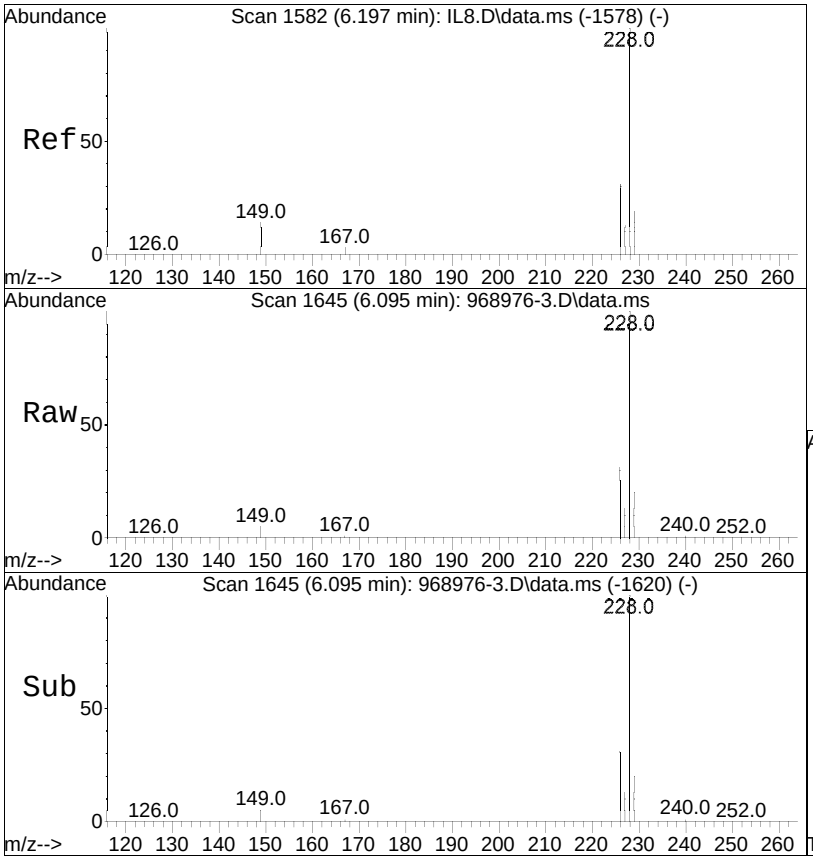


#32
Benzo[a]anthracene
Concen: 1761.24 ng/ml
RT: 6.073 min Scan# 1636
Delta R.T. -0.019 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:228 Resp: 682598

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

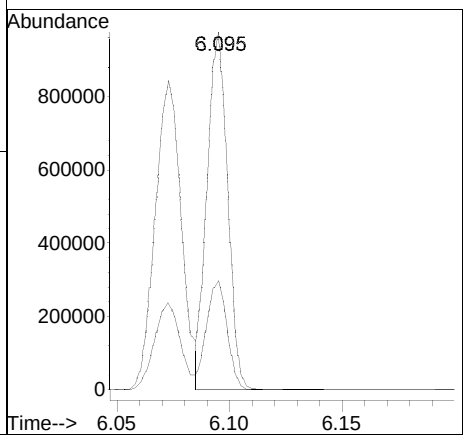


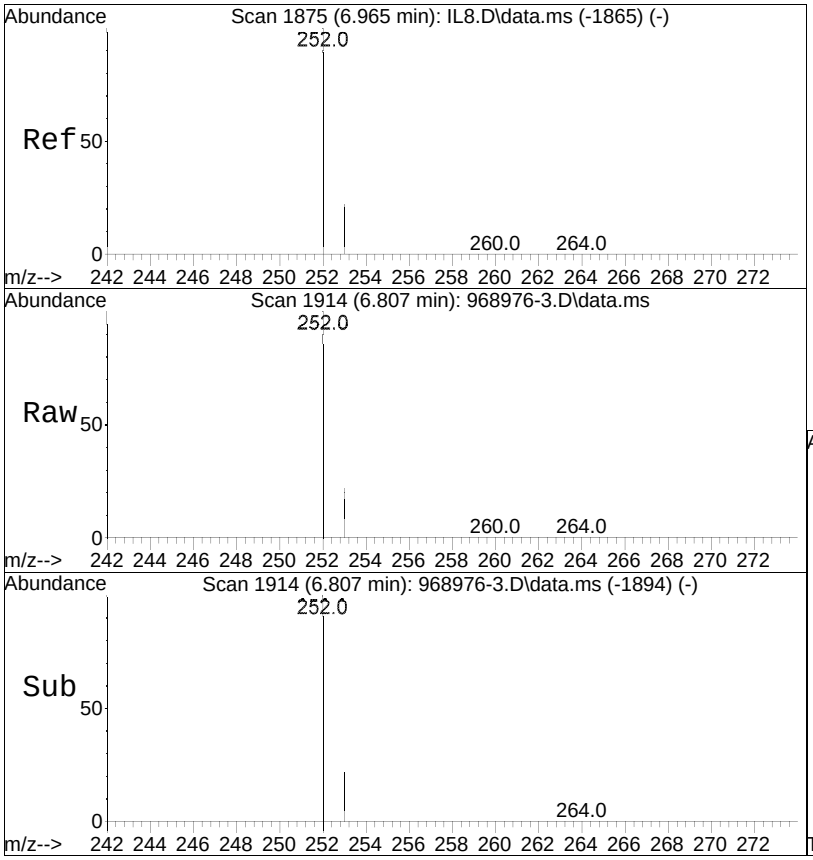


#34
Chrysene
Concen: 1647.50 ng/ml
RT: 6.095 min Scan# 1645
Delta R.T. -0.019 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:228 Resp: 615080

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.7	38.5

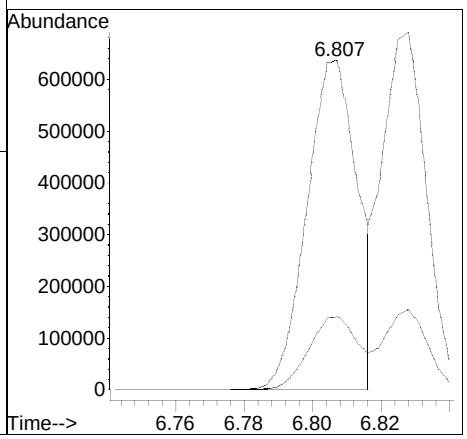


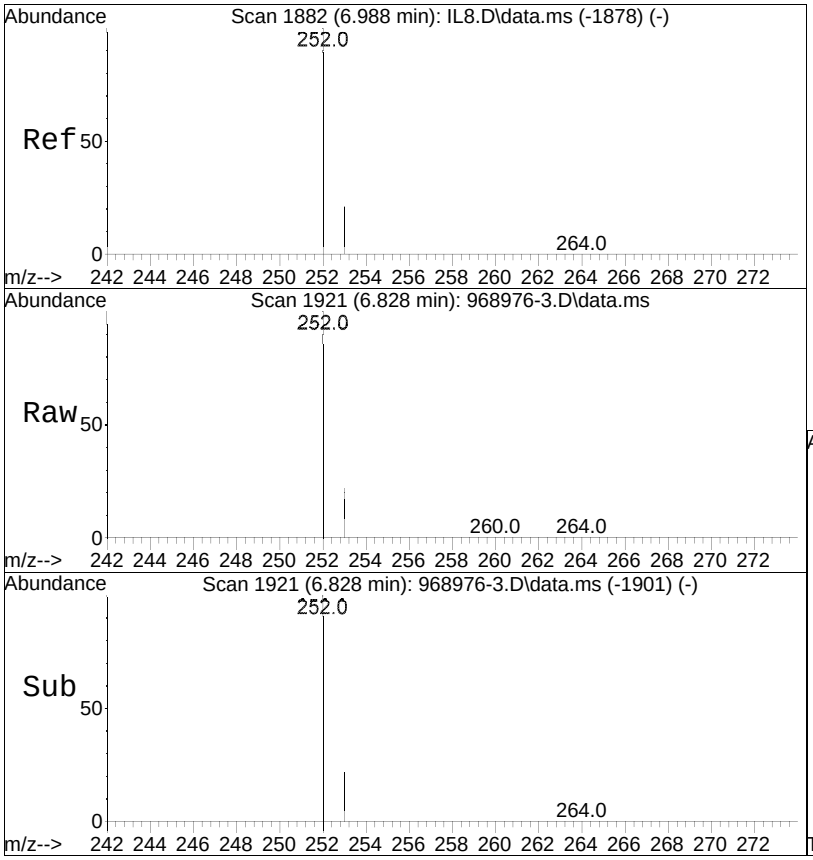


#37
Benzo[b]fluoranthene
Concen: 1914.59 ng/ml
RT: 6.807 min Scan# 1914
Delta R.T. -0.020 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:252 Resp: 658597

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9

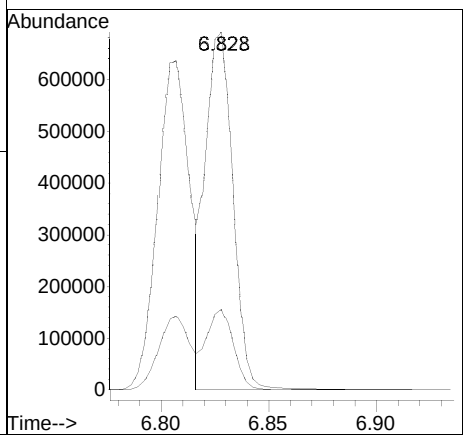


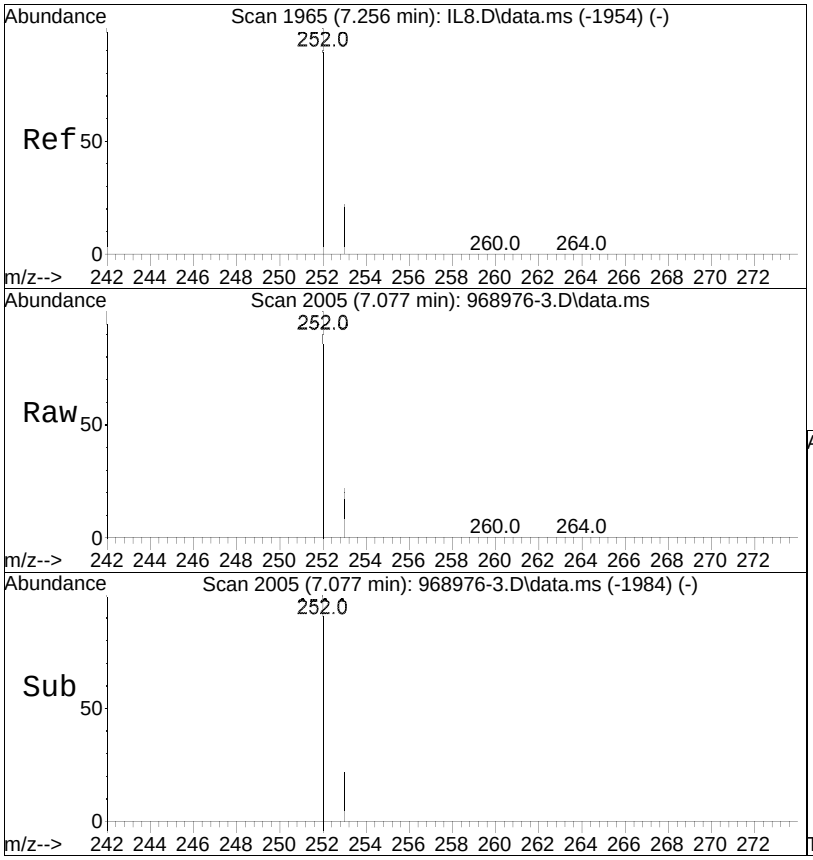


#38
Benzo[k]fluoranthene
Concen: 1887.27 ng/ml
RT: 6.828 min Scan# 1921
Delta R.T. -0.020 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:252 Resp: 611649

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4

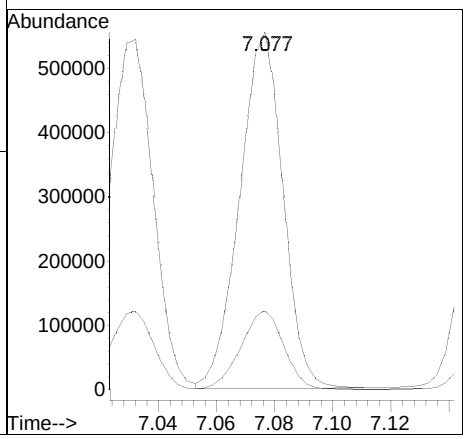


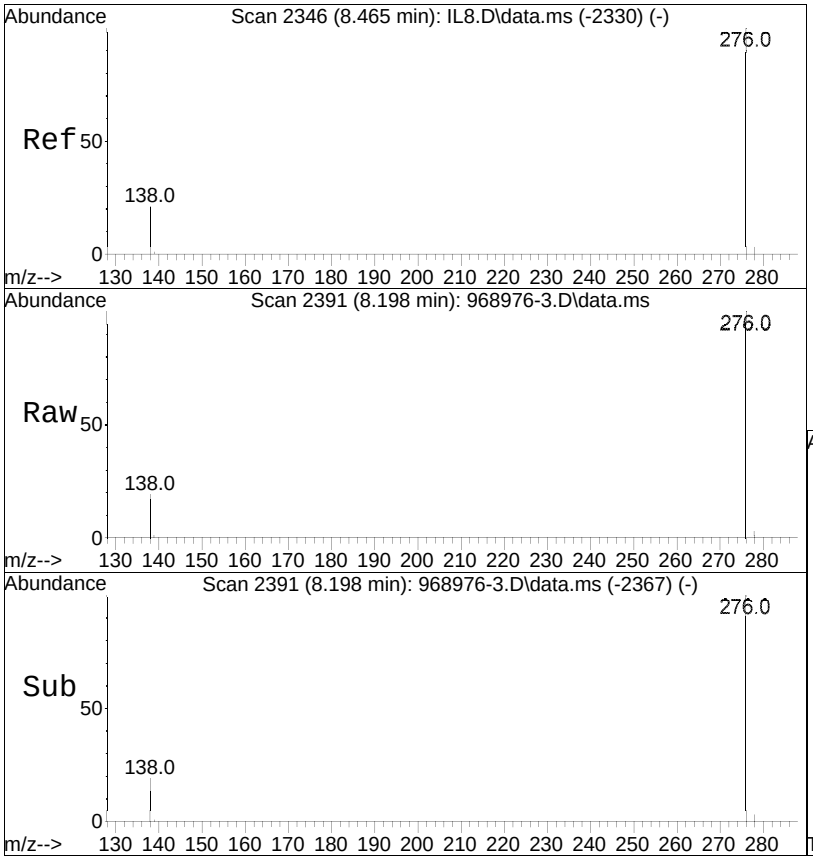


#39
Benzo[a]pyrene
Concen: 2071.55 ng/ml
RT: 7.077 min Scan# 2005
Delta R.T. -0.017 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:252 Resp: 569890

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

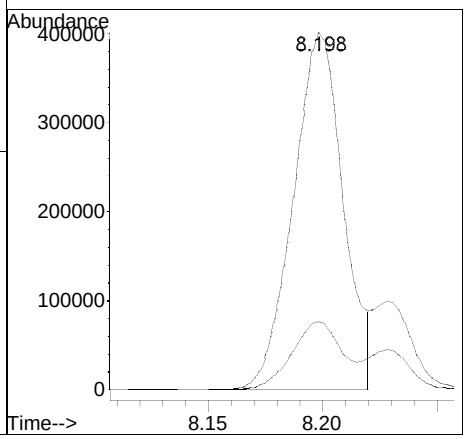


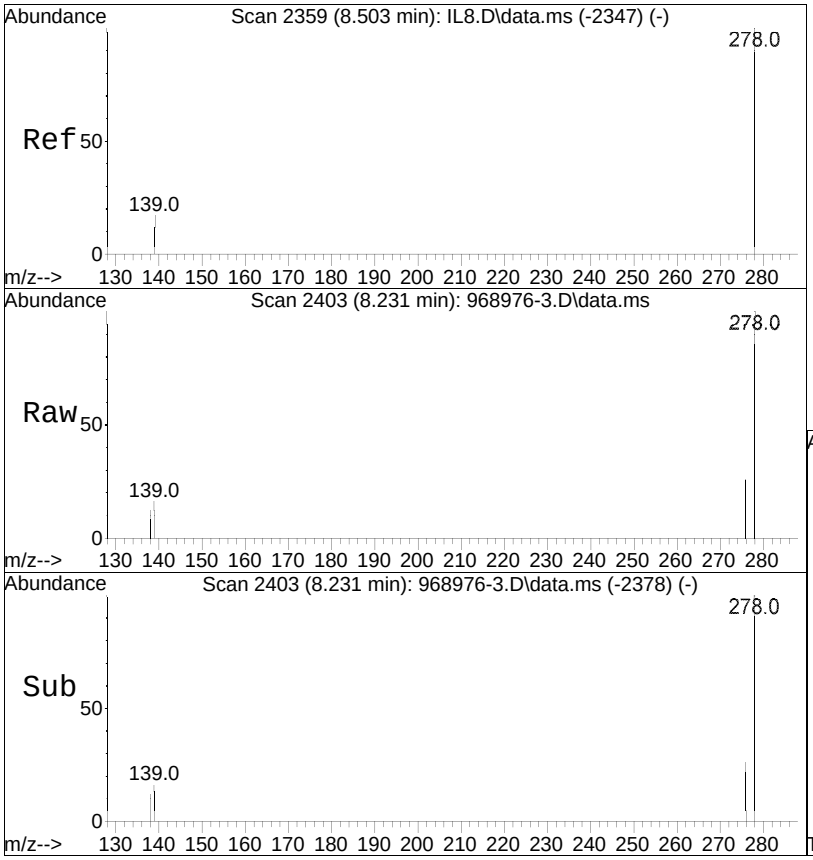


#40
Indeno[1,2,3-cd]pyrene
Concen: 2350.91 ng/ml
RT: 8.198 min Scan# 2391
Delta R.T. -0.015 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:276 Resp: 606027

Ion	Ratio	Lower	Upper
276	100		
138	18.9	17.2	25.8

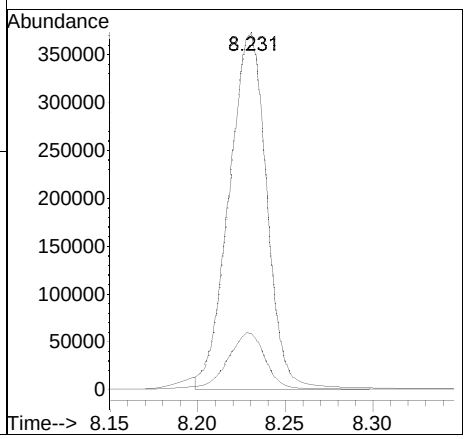


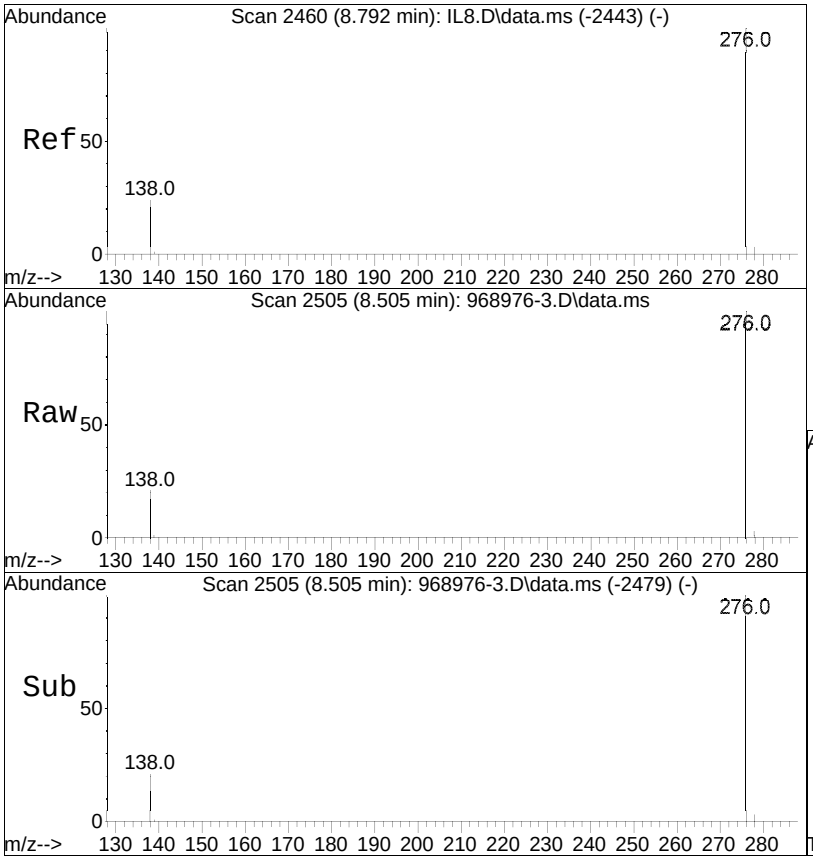


#41
Dibenzo[a,h]anthracene
Concen: 2297.20 ng/ml M6
RT: 8.231 min Scan# 2403
Delta R.T. -0.013 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:278 Resp: 555751

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.7	22.1

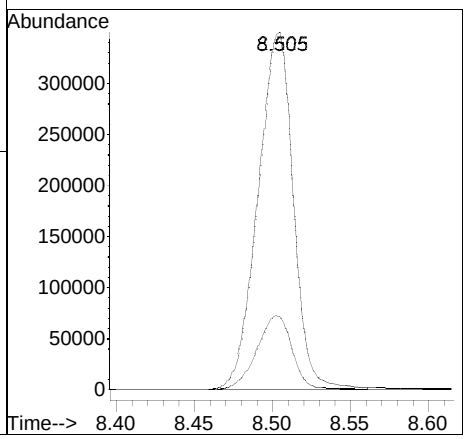




#42
Benzo[g,h,i]perylene
Concen: 2062.05 ng/ml
RT: 8.505 min Scan# 2505
Delta R.T. -0.010 min
Lab File: 968976-3.D
Acq: 10 Sep 2024 10:05 am

Tgt Ion:276 Resp: 543351

Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.0	28.4

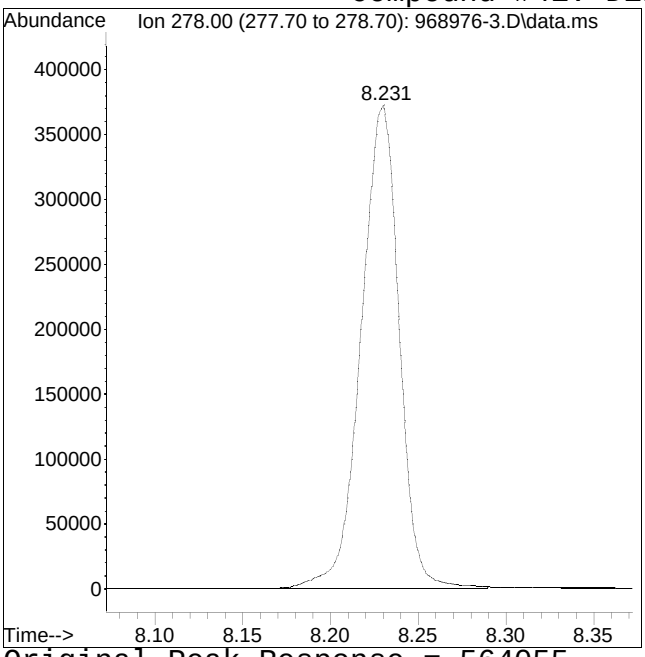


Manual Integration Report

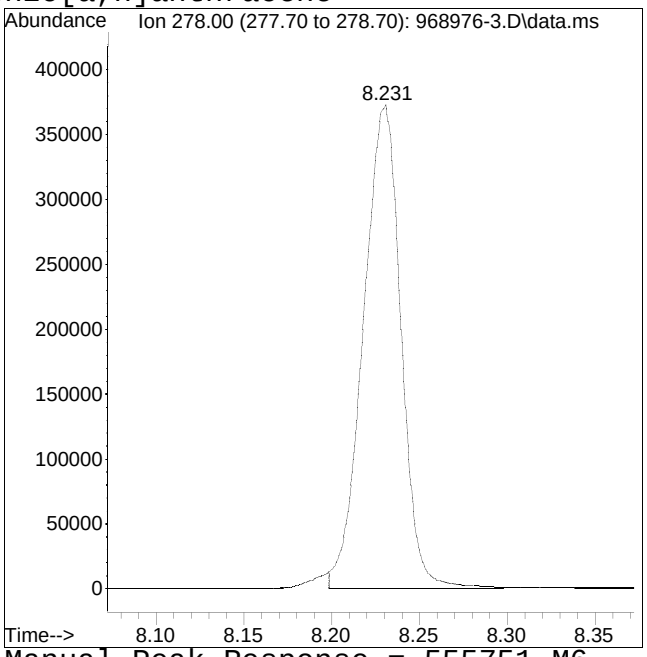
Data Path : I:\8270SIM\sv120\240910RVTQ
Data File : 968976-3.D
Date Inj'd : 9/10/2024 10:05 am
Sample : WG1968976-3,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 9/10/2024 10:19 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 564055



Manual Peak Response = 555751 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-4.D
Acq On : 10 Sep 2024 10:21 am
Operator : SV120:jjw
Sample : WG1968976-4,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 11:26:39 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.121	152	217171	4000.000	ng/ml	0.00
Standard Area 1 = 275803			Recovery = 78.74%			
8) Naphthalene-d8	2.771	136	876243	4000.000	ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 79.83%			
17) Acenaphthene-d10	3.735	164	497489	4000.000	ng/ml	0.00
Standard Area 1 = 627546			Recovery = 79.28%			
22) Phenanthrene-d10	4.561	188	1020167	4000.000	ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 83.07%			
31) Chrysene-d12	6.082	240	953455	4000.000	ng/ml	-0.02
Standard Area 1 = 1204331			Recovery = 79.17%			
36) Perylene-d12	7.132	264	954294	4000.000	ng/ml	-0.02
Standard Area 1 = 1217989			Recovery = 78.35%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.565	112	39380	610.481	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.52%			
3) Phenol-d6	1.948	99	46376	591.019	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 29.55%			
7) Nitrobenzene-d5	2.398	82	51326	803.686	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.37%			
13) 2-Fluorobiphenyl	3.363	172	134110	710.228	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.02%			
21) 2,4,6-Tribromophenol	4.176	330	29070	1061.374	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.07%			
30) 4-Terphenyl-d14	5.465	244	190152	890.019	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 44.50%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.991	93	93580	1310.687	ng/ml	86
5) n-nitrosodi-n-propylamine	2.320	70	79496	1682.759	ng/ml	100
6) Hexachloroethane	2.373	117	35267	1157.612	ng/ml	95
9) Naphthalene	2.781	128	311729	1238.896	ng/ml#	100
10) Hexachlorobutadiene	2.857	225	52542	1215.651	ng/ml	100
11) 2-Methylnaphthalene	3.157	142	222837	1395.242	ng/ml	100
12) 1-Methylnaphthalene	3.210	142	207126	1389.694	ng/ml	100
14) 2-Chloronaphthalene	3.426	162	227644	1402.828	ng/ml	92
15) 2,6-Dinitrotoluene	3.621	165	63810	1765.331	ng/ml	94
16) Acenaphthylene	3.654	152	377498	1620.433	ng/ml	100
18) Acenaphthene	3.751	153	255783	1425.731	ng/ml	96

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-4.D
Acq On : 10 Sep 2024 10:21 am
Operator : SV120:jjw
Sample : WG1968976-4,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 11:26:39 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.846	165	89357	1811.030	ng/ml	91
20) Fluorene	4.038	166	298094	1499.448	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.072	198	25140	1051.193	ng/ml	99
24) Hexachlorobenzene	4.352	284	103515	1447.135	ng/ml	97
25) Pentachlorophenol	4.463	266	29957	915.055	ng/ml	99
26) Phenanthrene	4.574	178	471580	1556.725	ng/ml	100
27) Anthracene	4.602	178	477277	1633.036	ng/ml	100
28) Fluoranthene	5.243	202	580398	1773.199	ng/ml	100
29) Pyrene	5.370	202	598812	1755.971	ng/ml	99
32) Benzo[a]anthracene	6.074	228	574552	1595.296	ng/ml	100
33) 3,3'-Dichlorobenzene	6.067	252	200087	1488.555	ng/ml	99
34) Chrysene	6.096	228	526255	1517.524	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	6.109	149	365077	1622.421	ng/ml	97
37) Benzo[b]fluoranthene	6.809	252	561712	1743.798	ng/ml	100
38) Benzo[k]fluoranthene	6.830	252	518619	1708.868	ng/ml	99
39) Benzo[a]pyrene	7.076	252	488947	1897.989	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.200	276	507955	2104.246	ng/ml	94
41) Dibenzo[a,h]anthracene	8.233	278	473104M6	2088.345	ng/ml	
42) Benzo[g,h,i]perylene	8.504	276	461506	1870.350	ng/ml	94

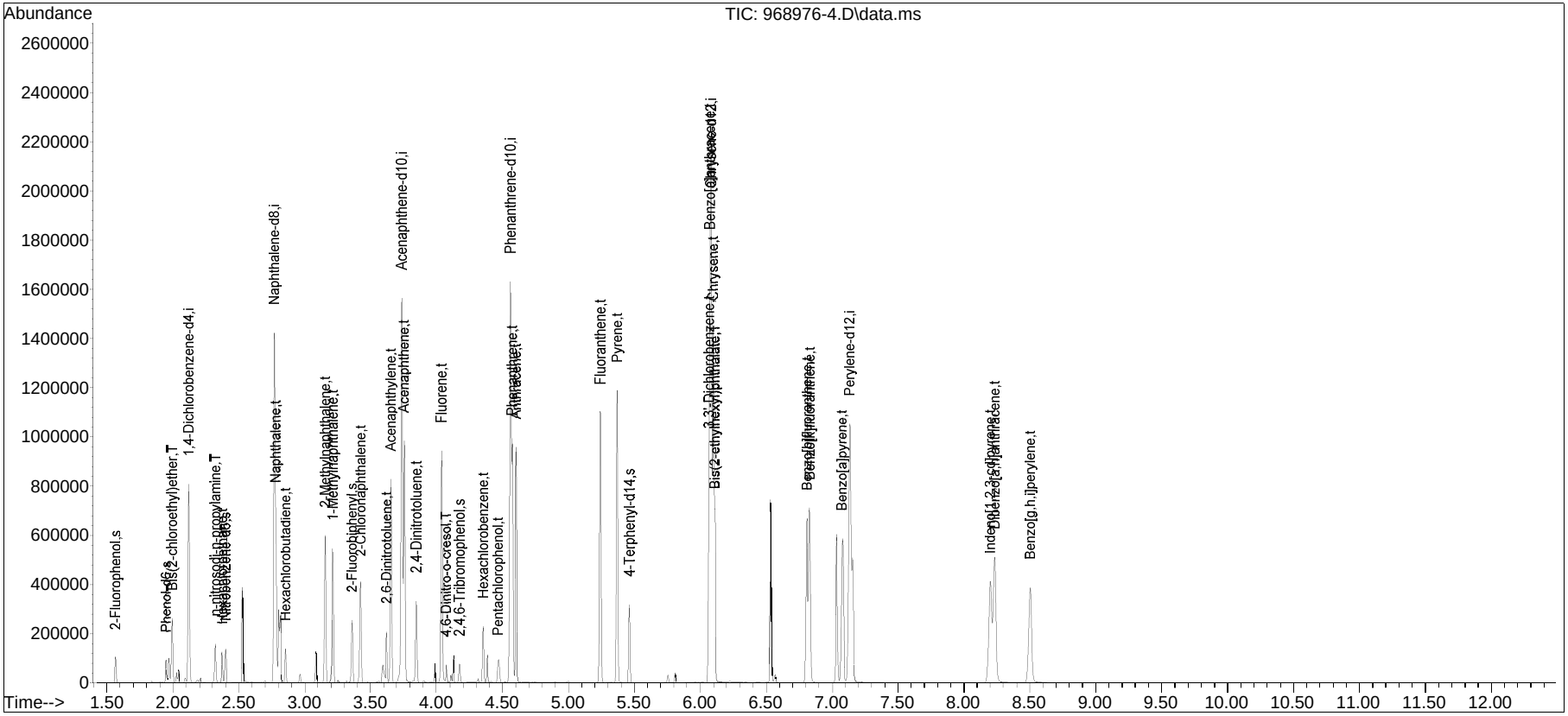
(#) = qualifier out of range (m) = manual integration (+) = signals summed

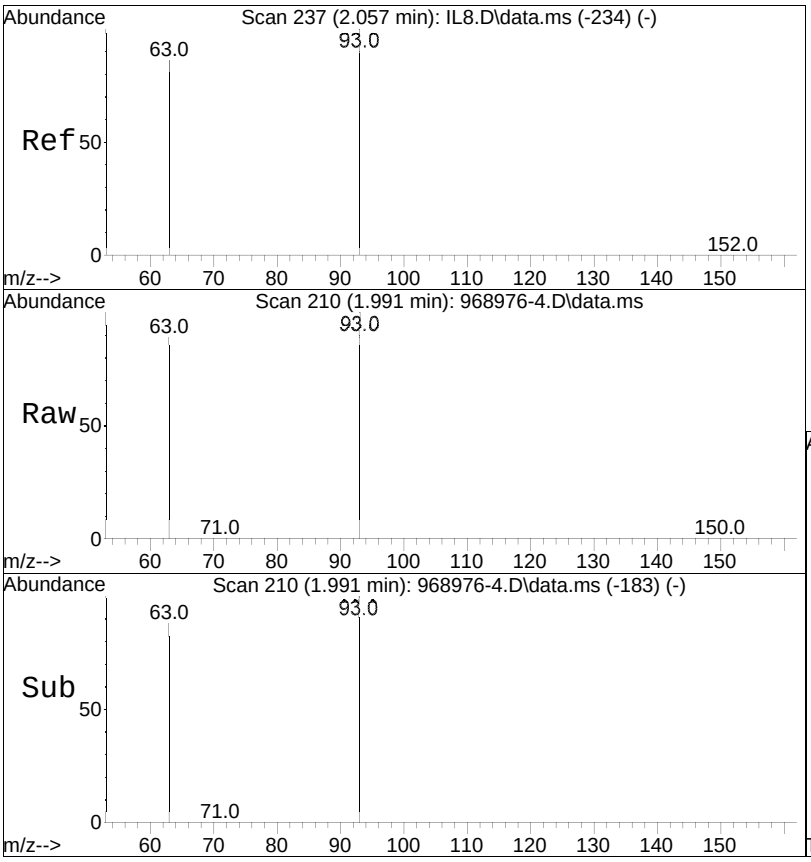
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-4.D
Acq On : 10 Sep 2024 10:21 am
Operator : SV120:jjw
Sample : WG1968976-4,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 11:26:39 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•

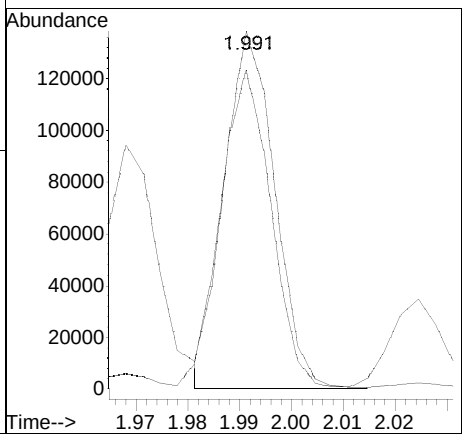


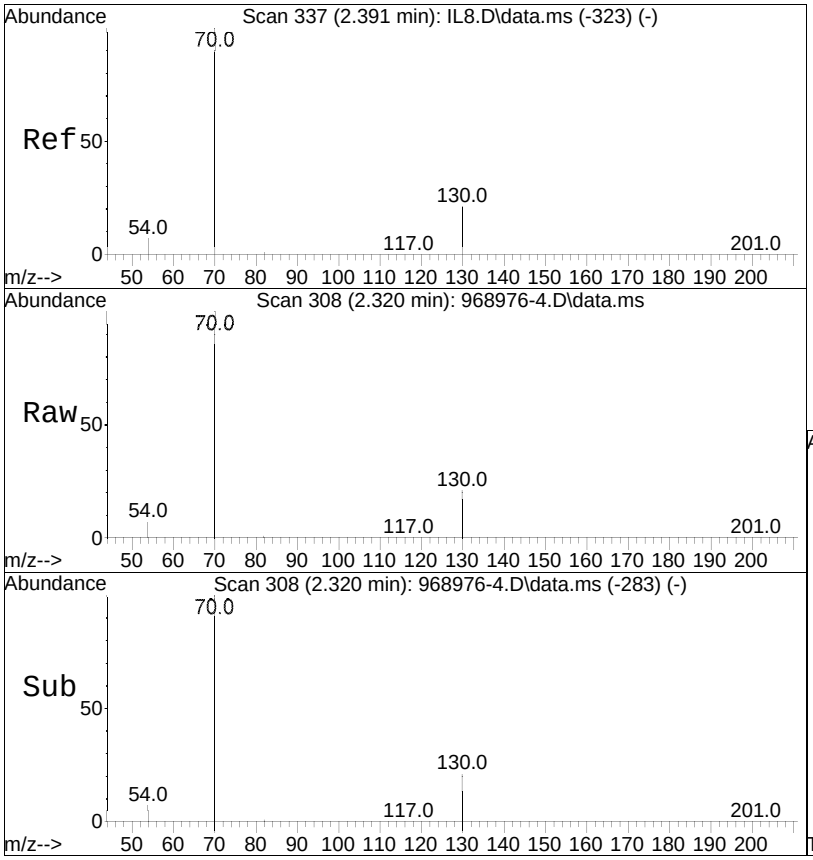


#4
Bis(2-chloroethyl)ether
Concen: 1310.69 ng/ml
RT: 1.991 min Scan# 210
Delta R.T. 0.008 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion: 93 Resp: 93580

Ion	Ratio	Lower	Upper
93	100		
63	89.3	61.8	92.6

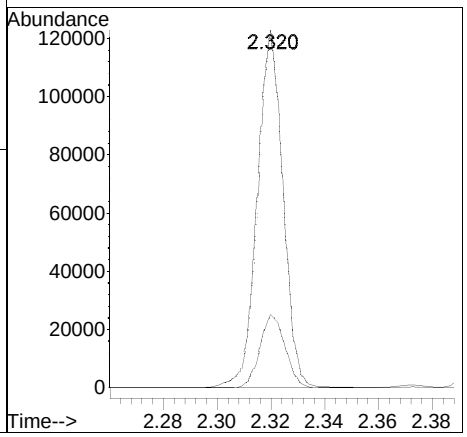


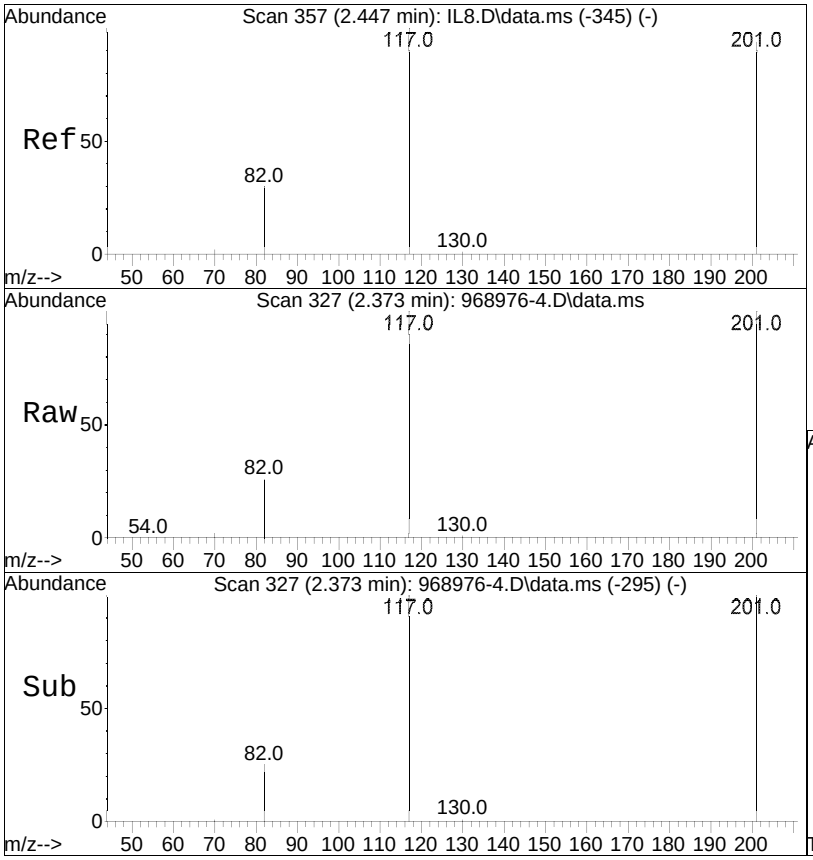


#5
n-nitrosodi-n-propylamine
Concen: 1682.76 ng/ml
RT: 2.320 min Scan# 308
Delta R.T. 0.008 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion: 70 Resp: 79496

Ion	Ratio	Lower	Upper
70	100		
130	20.3	16.4	24.6

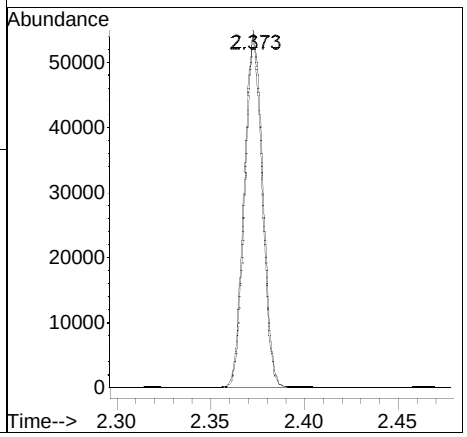


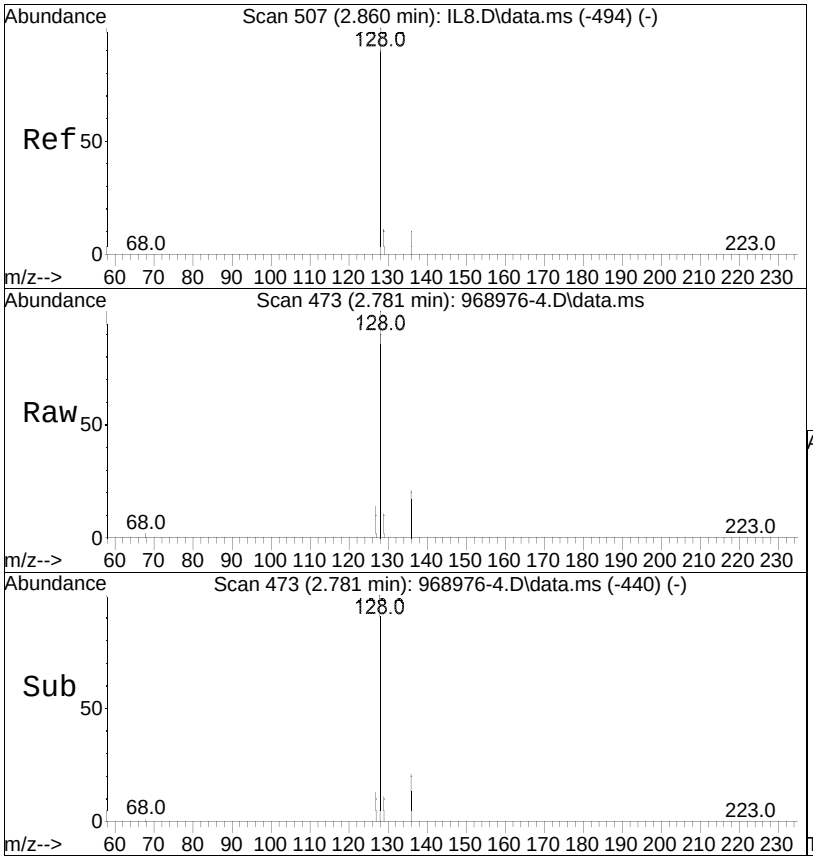


#6
Hexachloroethane
Concen: 1157.61 ng/ml
RT: 2.373 min Scan# 327
Delta R.T. 0.008 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:117 Resp: 35267

Ion	Ratio	Lower	Upper
117	100		
201	100.5	76.6	115.0

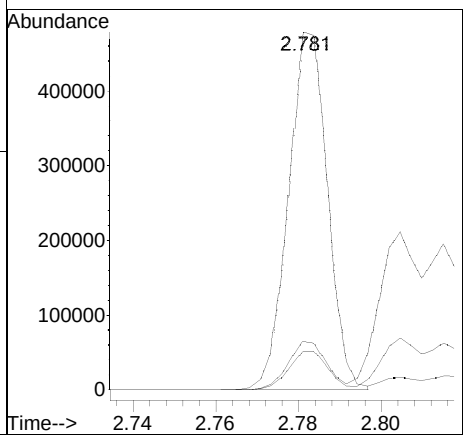


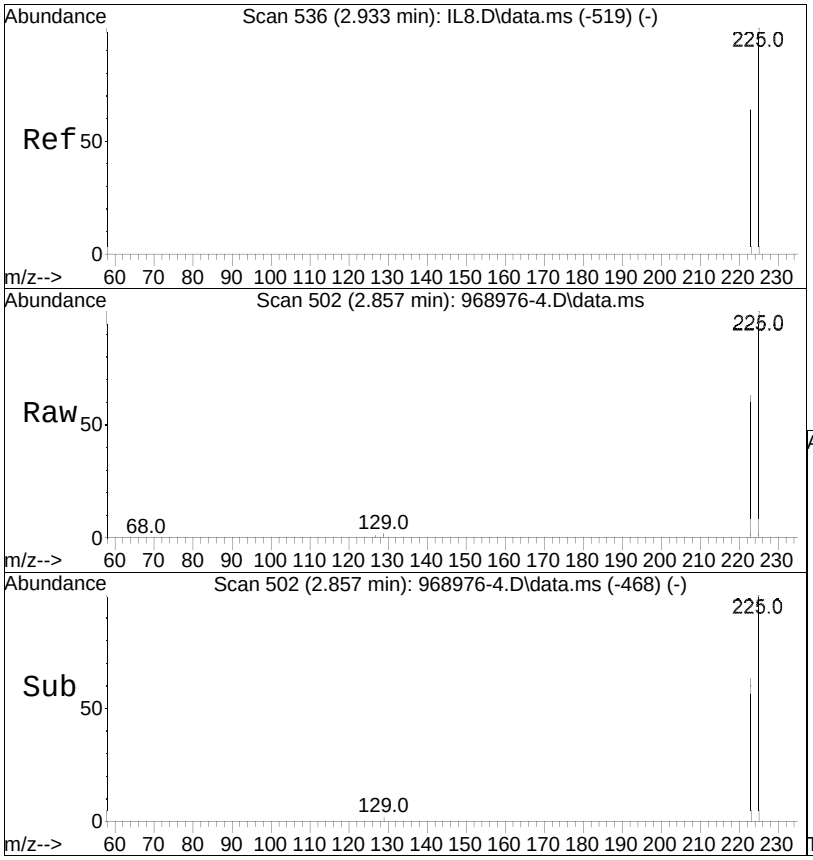


#9
Naphthalene
Concen: 1238.90 ng/ml
RT: 2.781 min Scan# 473
Delta R.T. 0.005 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:128 Resp: 311729

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.5	0.0	0.0#

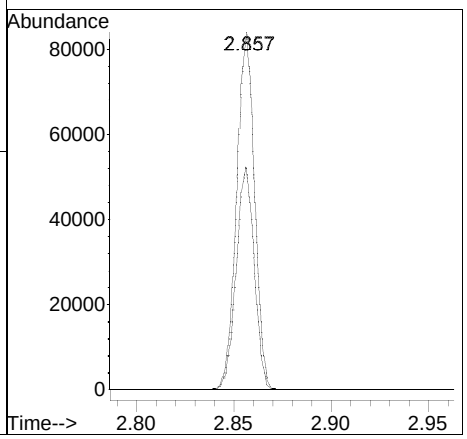


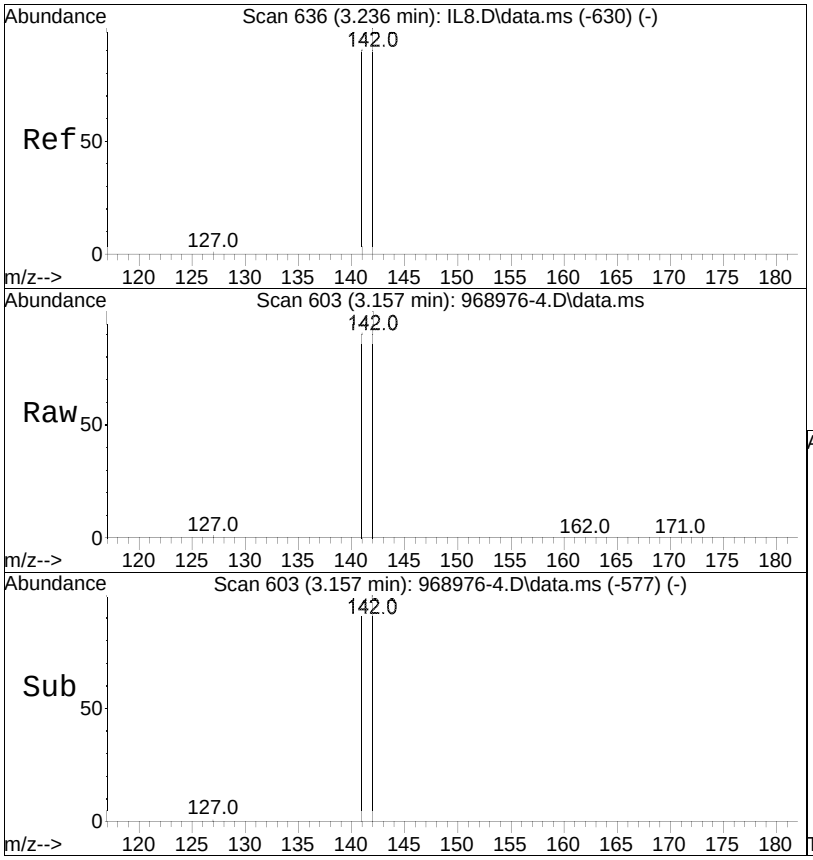


#10
Hexachlorobutadiene
Concen: 1215.65 ng/ml
RT: 2.857 min Scan# 502
Delta R.T. 0.008 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:225 Resp: 52542

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6

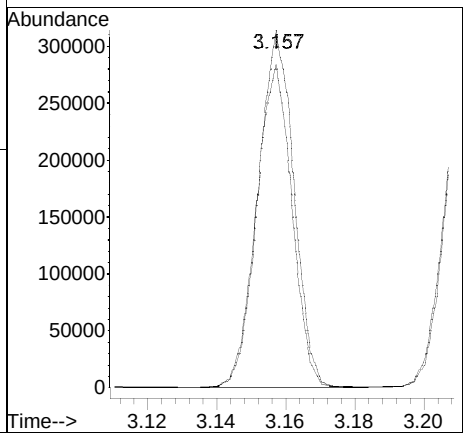


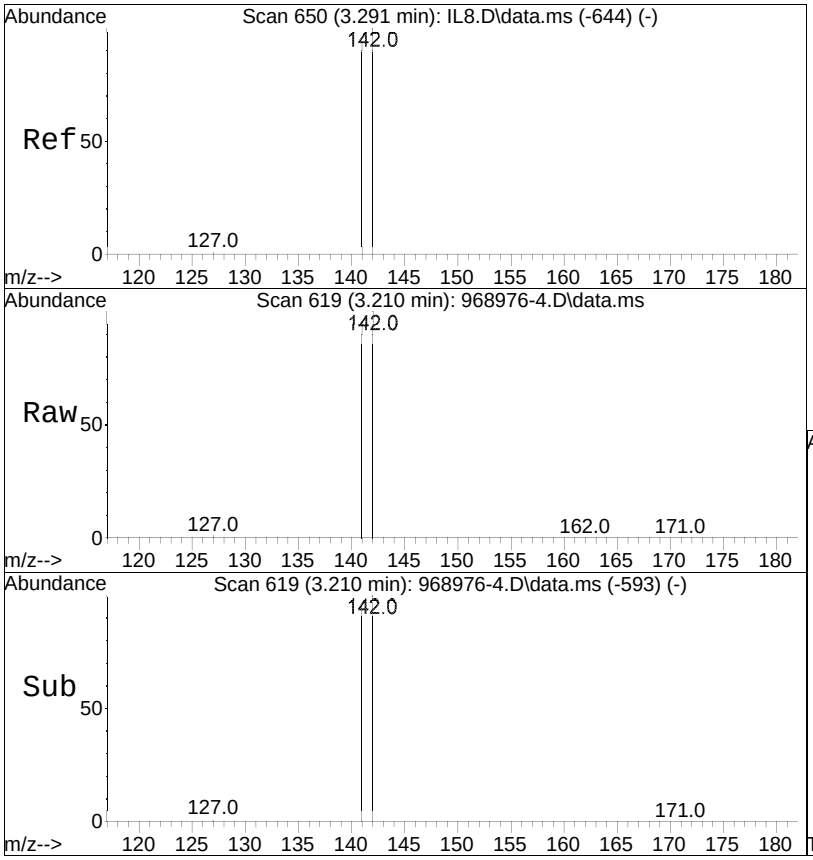


#11
2-Methylnaphthalene
Concen: 1395.24 ng/ml
RT: 3.157 min Scan# 603
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:142 Resp: 222837

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.4

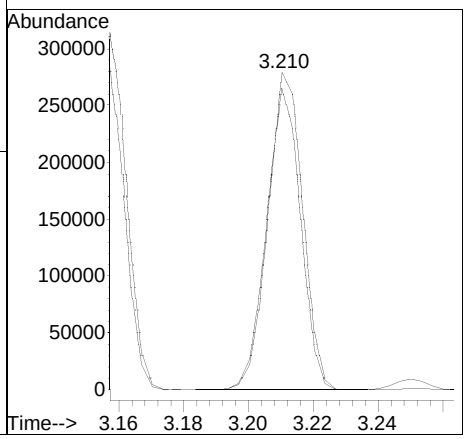


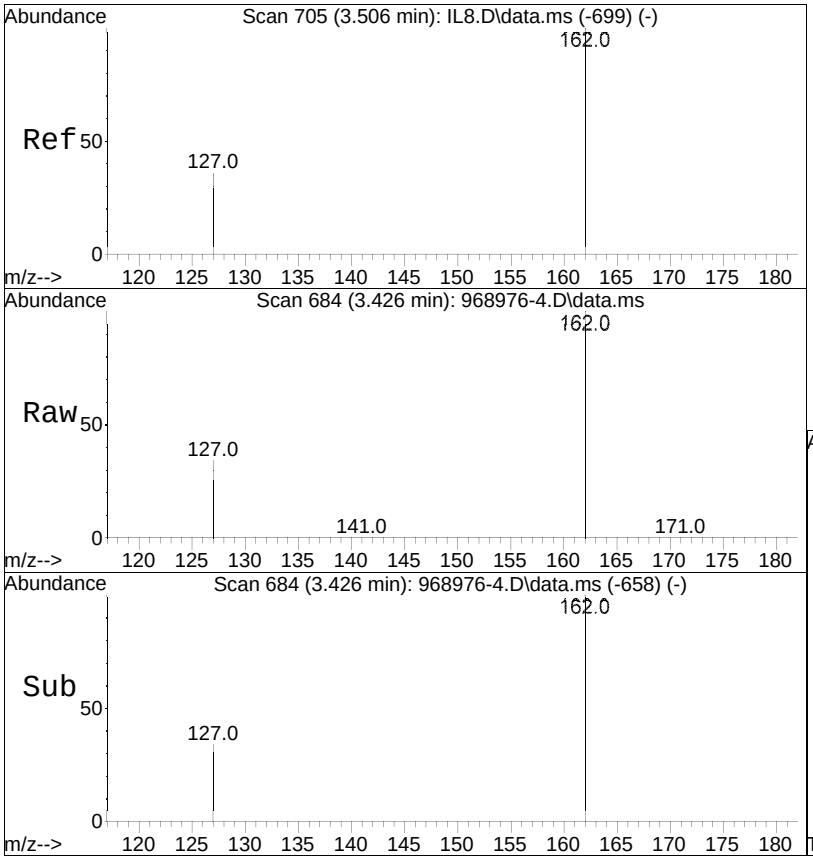


#12
1-Methylnaphthalene
Concen: 1389.69 ng/ml
RT: 3.210 min Scan# 619
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:142 Resp: 207126

Ion	Ratio	Lower	Upper
142	100		
141	93.3	75.0	112.6

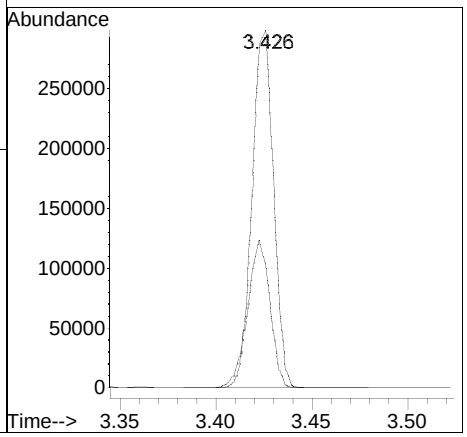


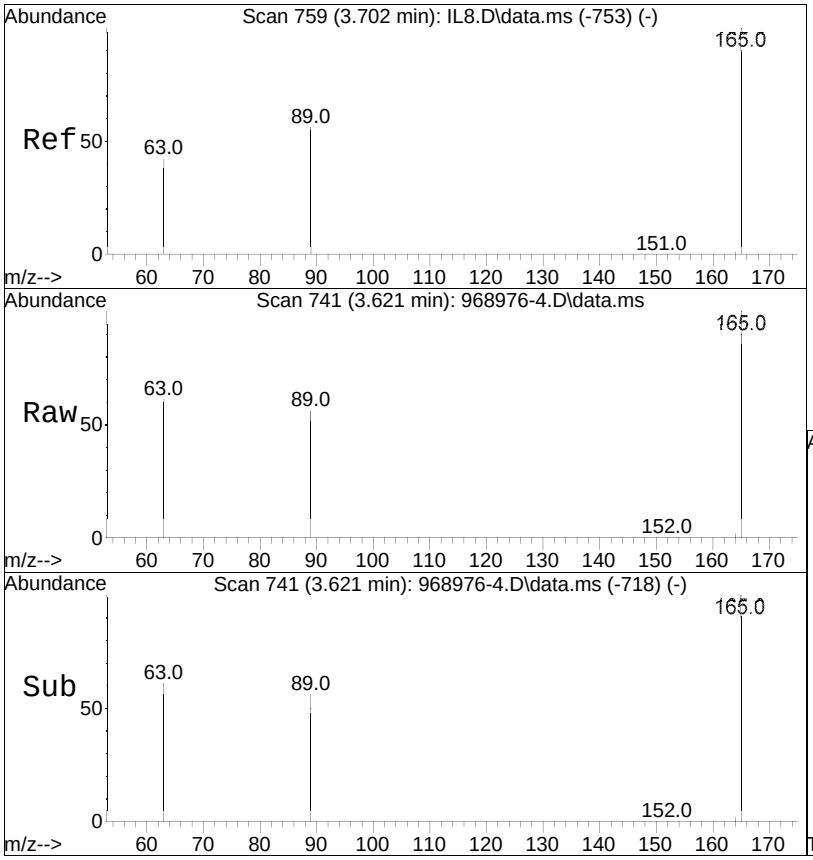


#14
2-Chloronaphthalene
Concen: 1402.83 ng/ml
RT: 3.426 min Scan# 684
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:162 Resp: 227644

Ion	Ratio	Lower	Upper
162	100		
127	43.2	30.9	46.3

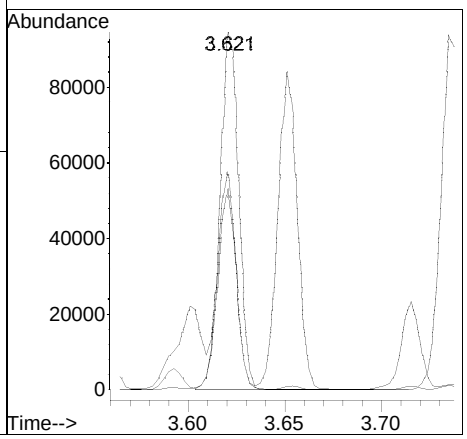


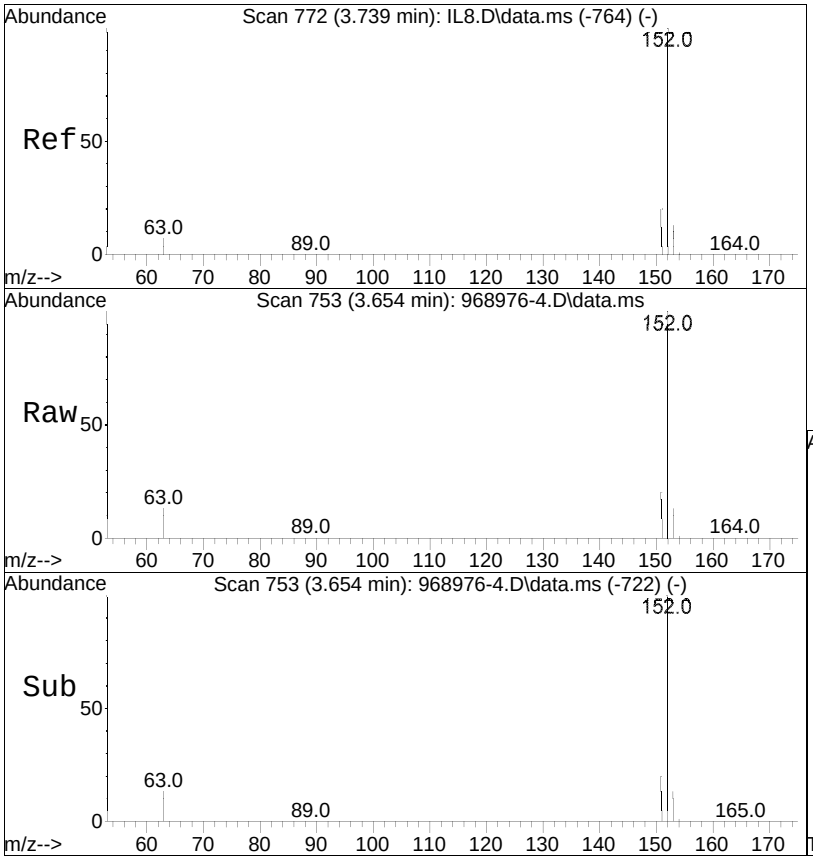


#15
2,6-Dinitrotoluene
Concen: 1765.33 ng/ml
RT: 3.621 min Scan# 741
Delta R.T. 0.003 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:165 Resp: 63810

Ion	Ratio	Lower	Upper
165	100		
89	55.7	49.9	74.9
63	58.6	48.5	72.7

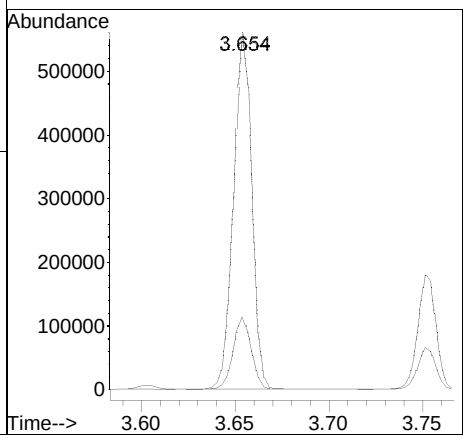


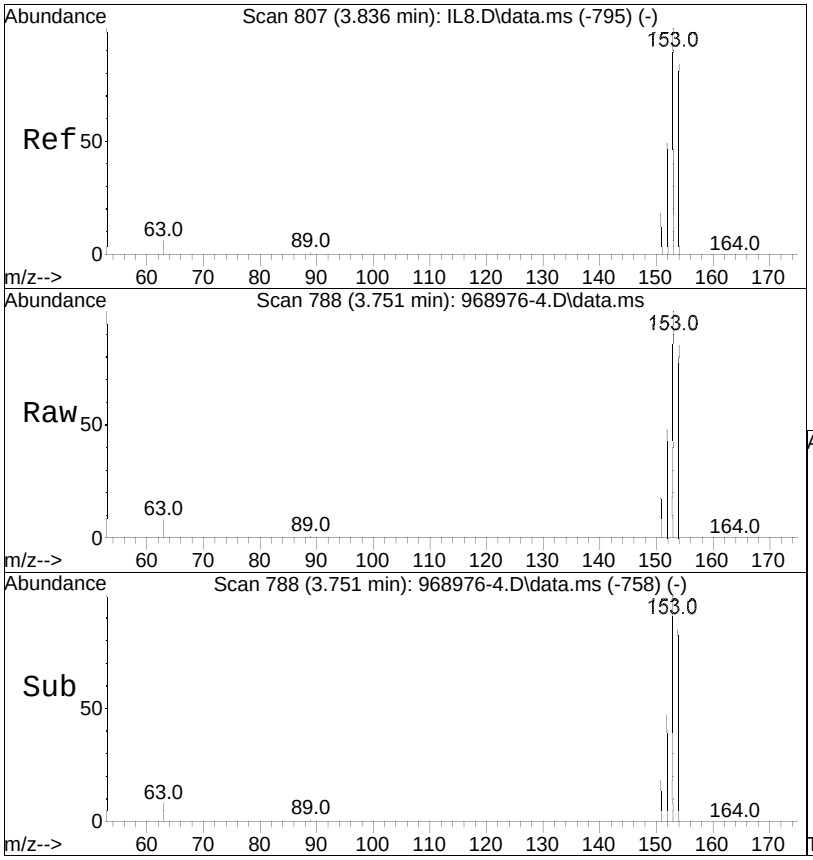


#16
Acenaphthylene
Concen: 1620.43 ng/ml
RT: 3.654 min Scan# 753
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:152 Resp: 377498

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

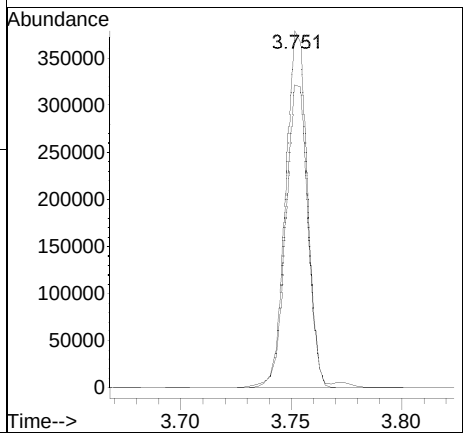


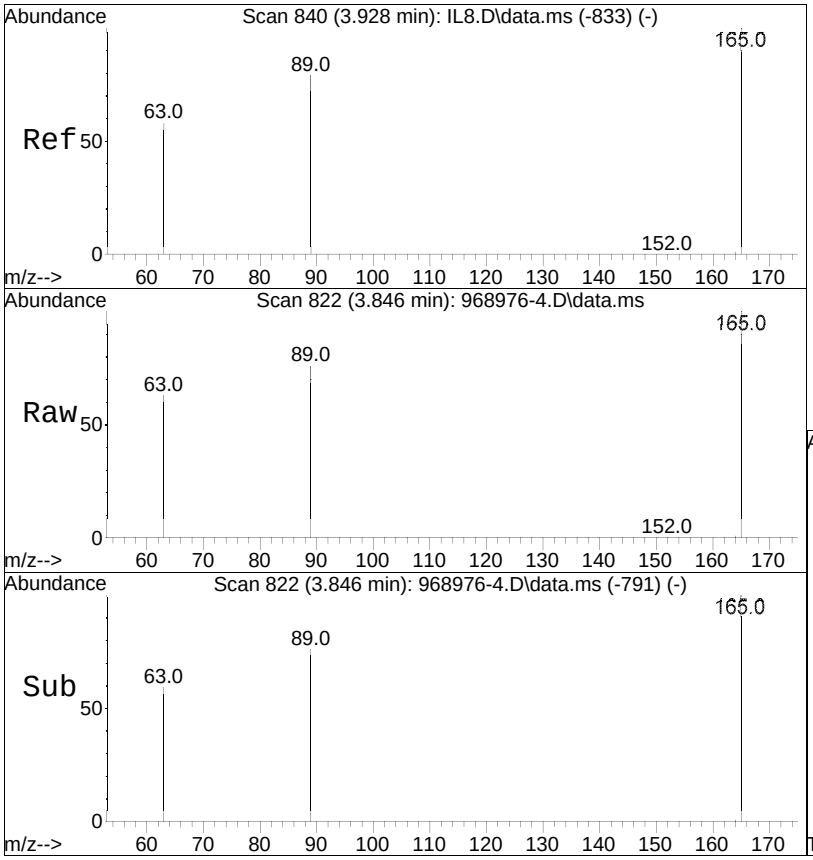


#18
Acenaphthene
Concen: 1425.73 ng/ml
RT: 3.751 min Scan# 788
Delta R.T. 0.003 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:153 Resp: 255783

Ion	Ratio	Lower	Upper
153	100		
154	86.7	72.3	108.5

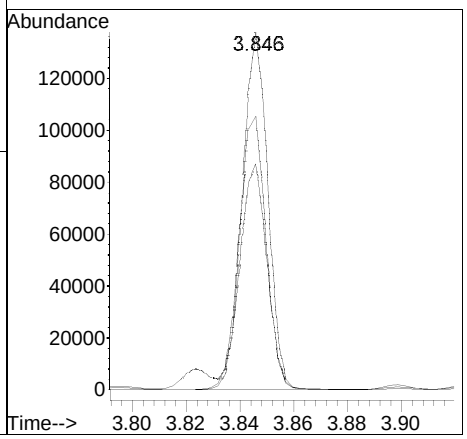


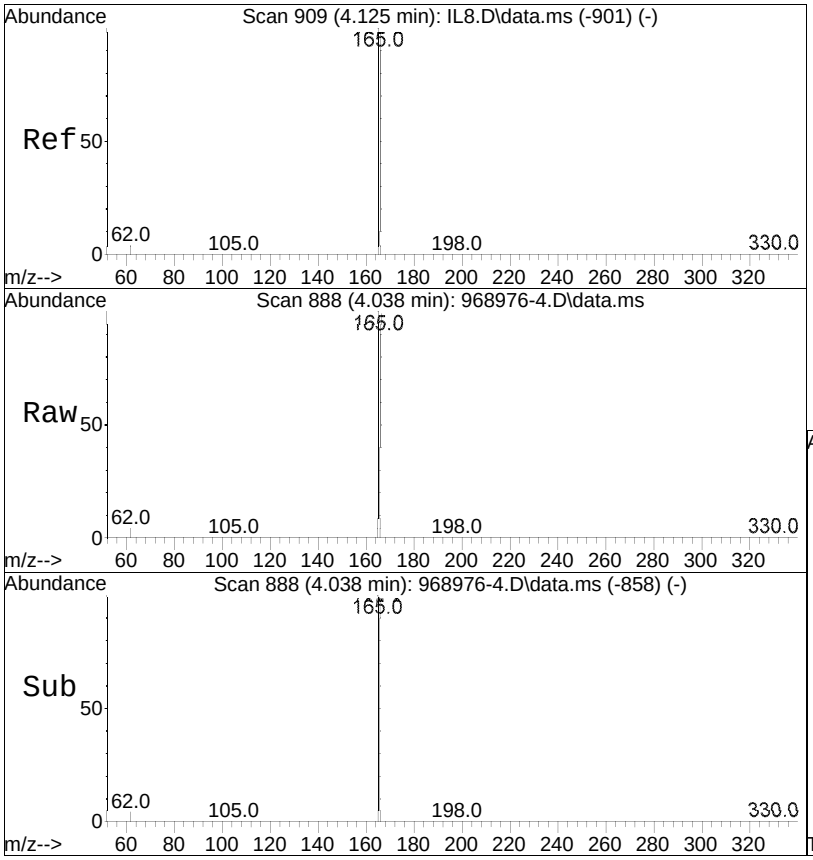


#19
2,4-Dinitrotoluene
Concen: 1811.03 ng/ml
RT: 3.846 min Scan# 822
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:165 Resp: 89357

Ion	Ratio	Lower	Upper
165	100		
89	80.9	72.9	109.3
63	67.4	59.0	88.4

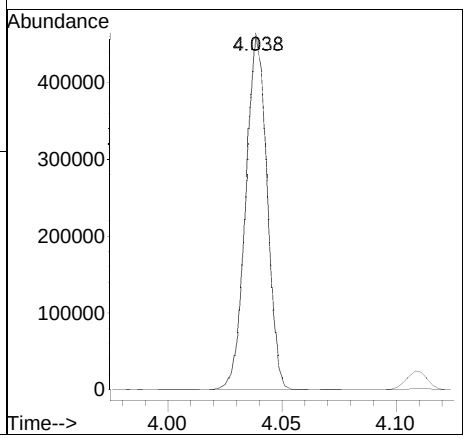


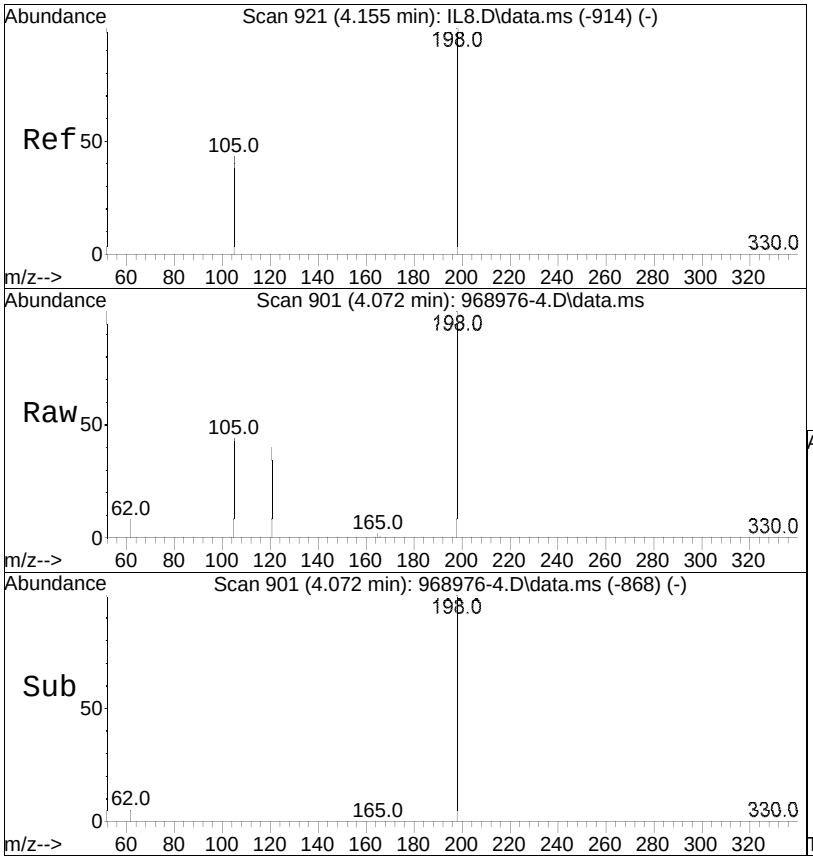


#20
Fluorene
Concen: 1499.45 ng/ml
RT: 4.038 min Scan# 888
Delta R.T. 0.005 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:166 Resp: 298094

Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.5	122.3

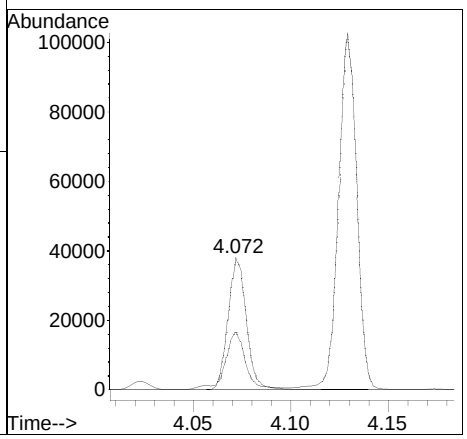


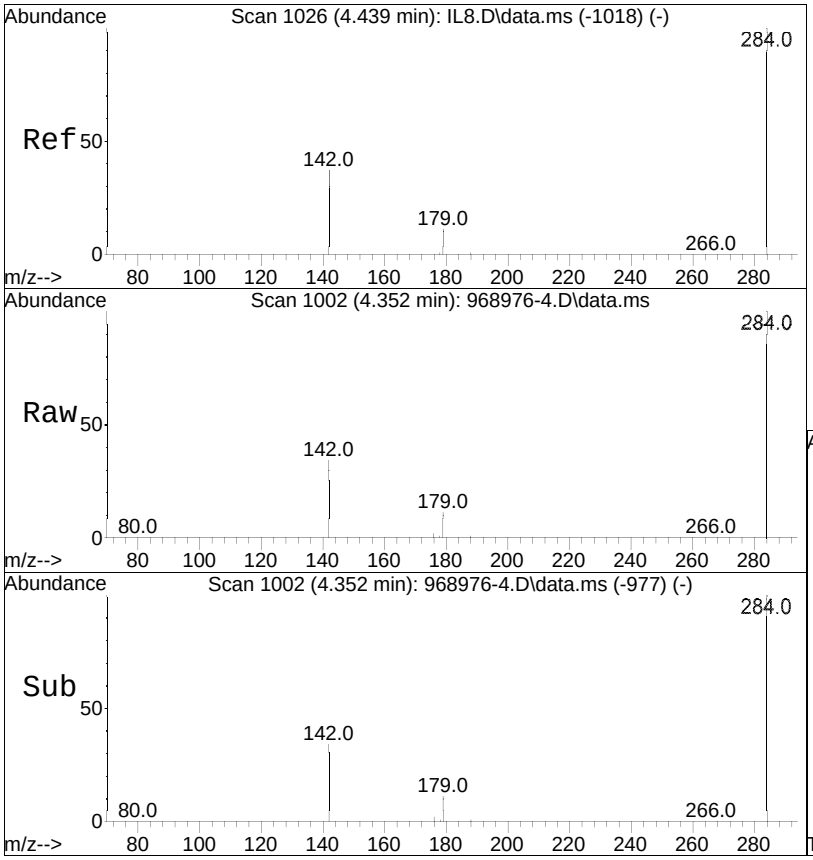


#23
4,6-Dinitro-o-cresol
Concen: 1051.19 ng/ml
RT: 4.072 min Scan# 901
Delta R.T. 0.005 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:198 Resp: 25140

Ion	Ratio	Lower	Upper
198	100		
105	45.7	36.2	54.2

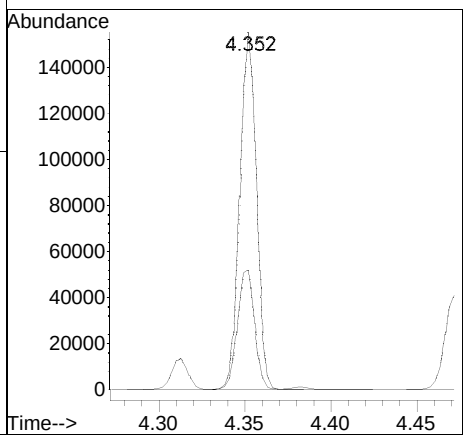


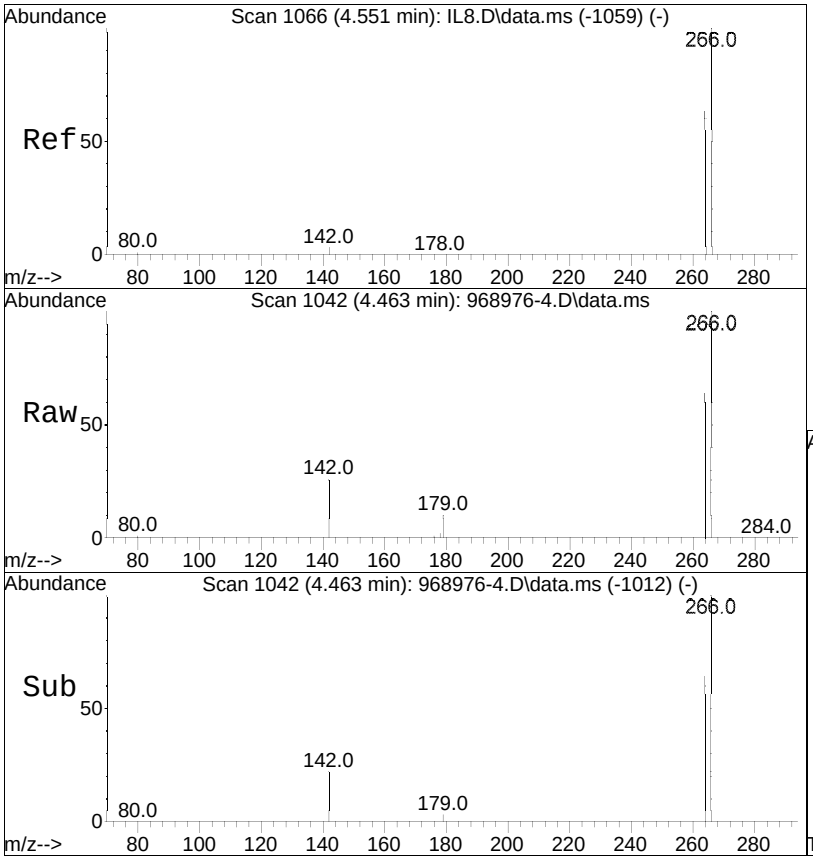


#24
Hexachlorobenzene
Concen: 1447.13 ng/ml
RT: 4.352 min Scan# 1002
Delta R.T. 0.003 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:284 Resp: 103515

Ion	Ratio	Lower	Upper
284	100		
142	35.0	29.4	44.2

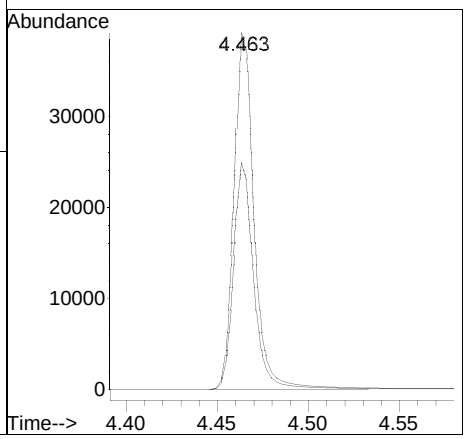


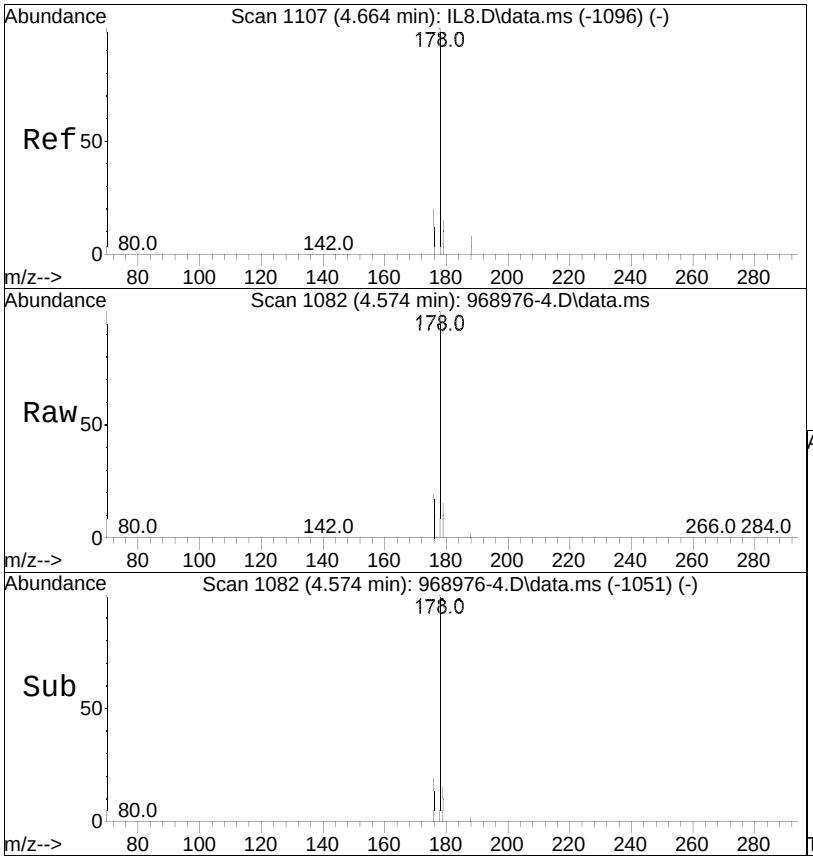


#25
Pentachlorophenol
Concen: 915.06 ng/ml
RT: 4.463 min Scan# 1042
Delta R.T. 0.003 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:266 Resp: 29957

Ion	Ratio	Lower	Upper
266	100		
264	63.9	50.2	75.4

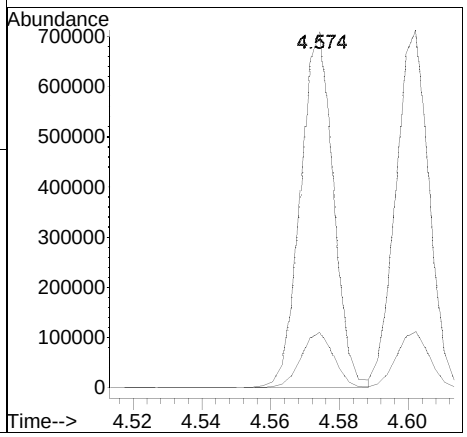


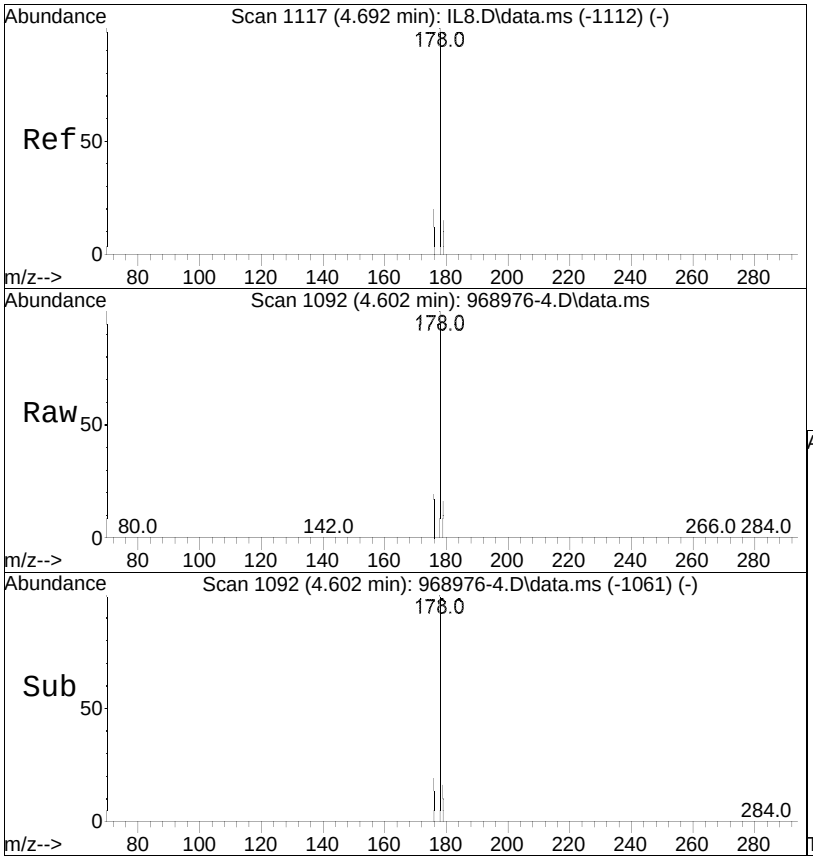


#26
Phenanthrene
Concen: 1556.73 ng/ml
RT: 4.574 min Scan# 1082
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:178 Resp: 471580

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

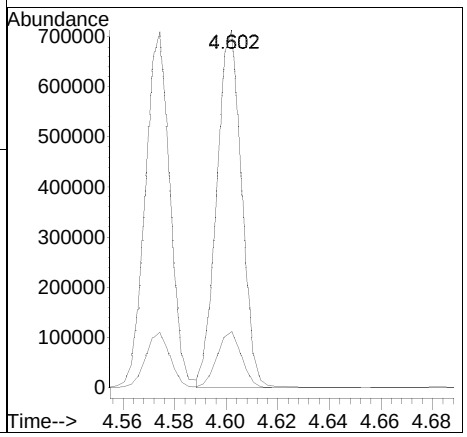


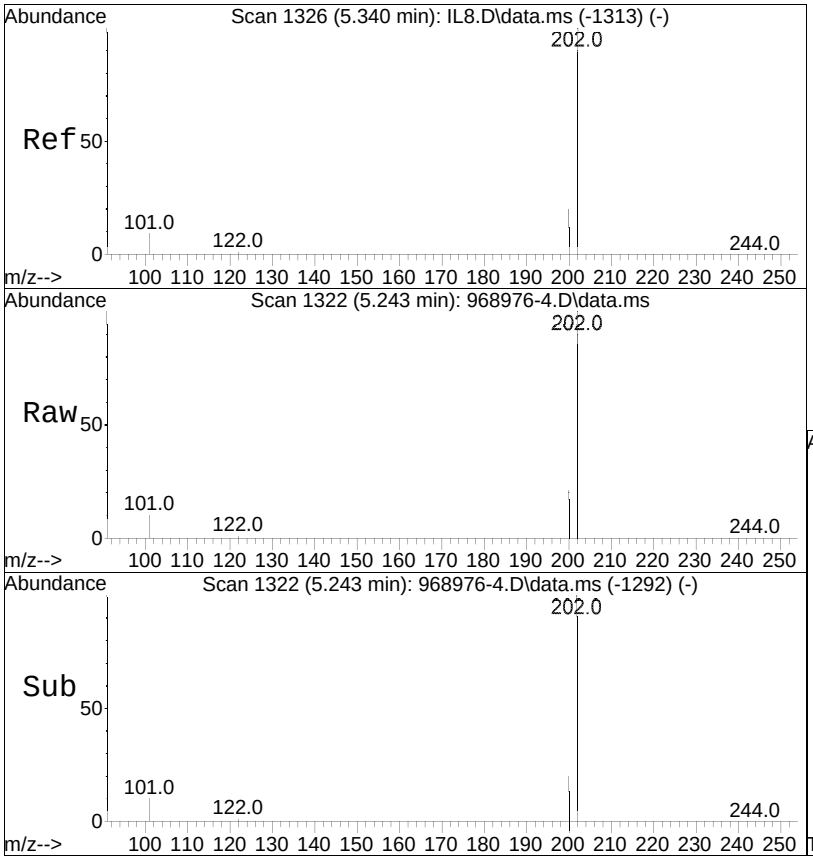


#27
Anthracene
Concen: 1633.04 ng/ml
RT: 4.602 min Scan# 1092
Delta R.T. 0.006 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:178 Resp: 477277

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

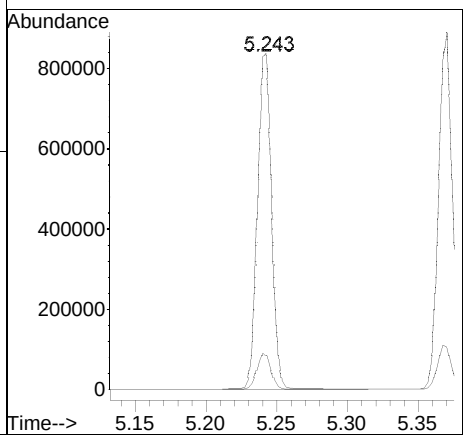


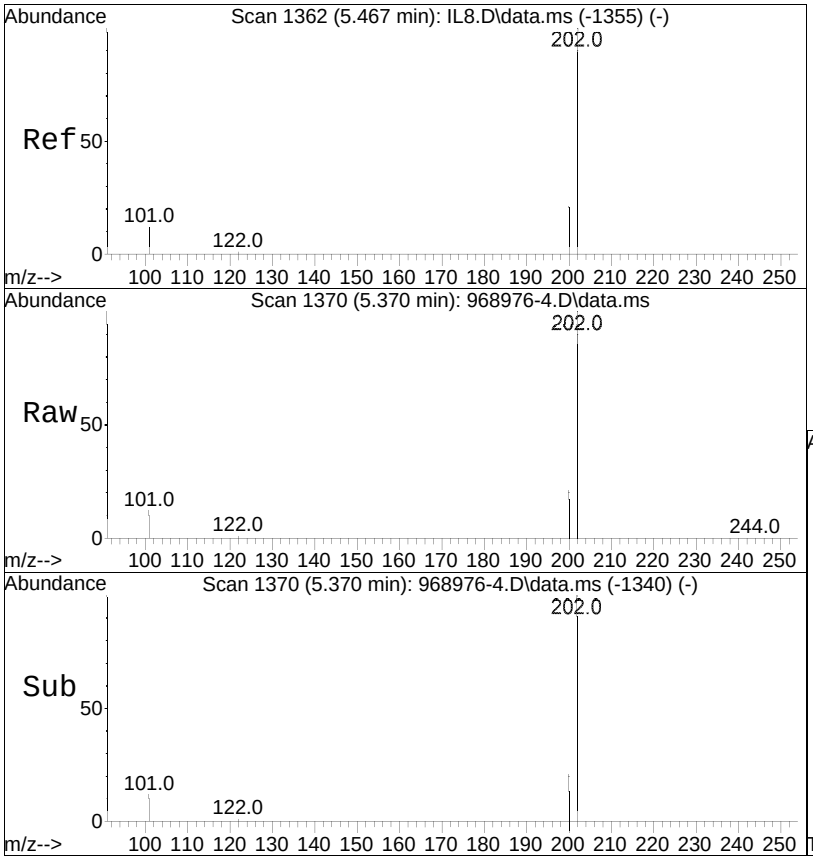


#28
Fluoranthene
Concen: 1773.20 ng/ml
RT: 5.243 min Scan# 1322
Delta R.T. 0.000 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:202 Resp: 580398

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1

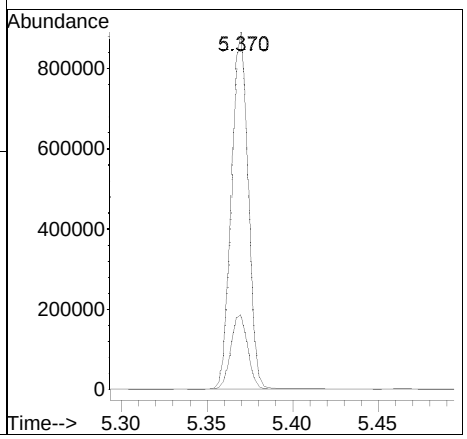


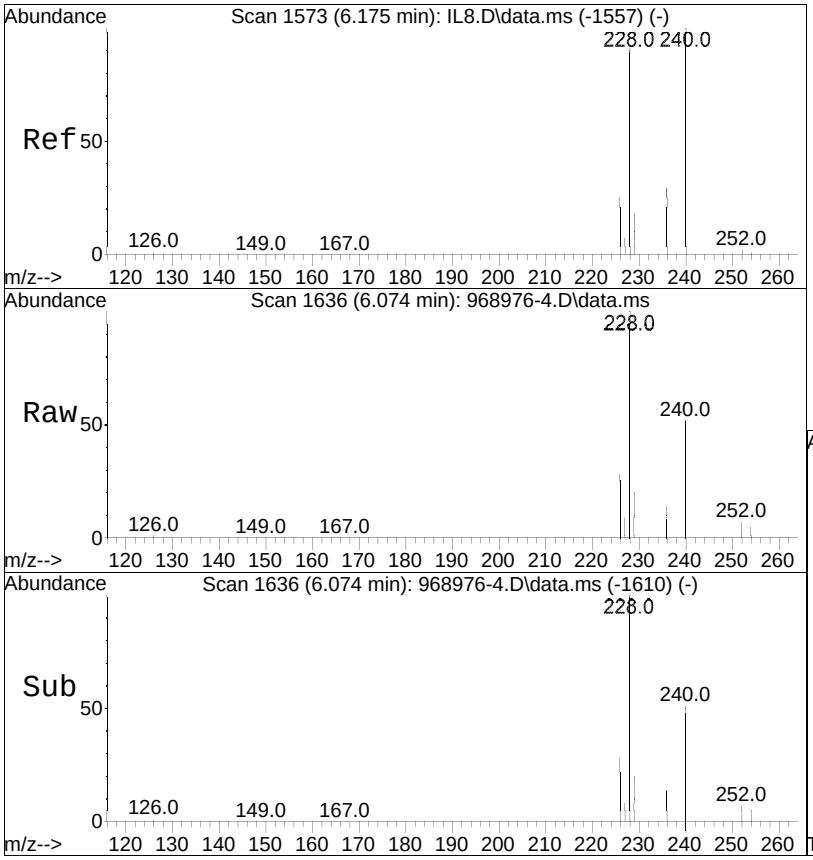


#29
Pyrene
Concen: 1755.97 ng/ml
RT: 5.370 min Scan# 1370
Delta R.T. 0.000 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:202 Resp: 598812

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2

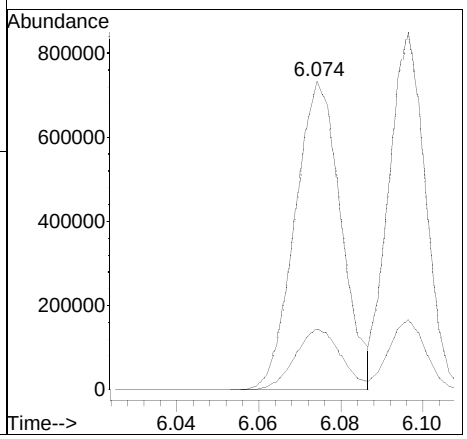


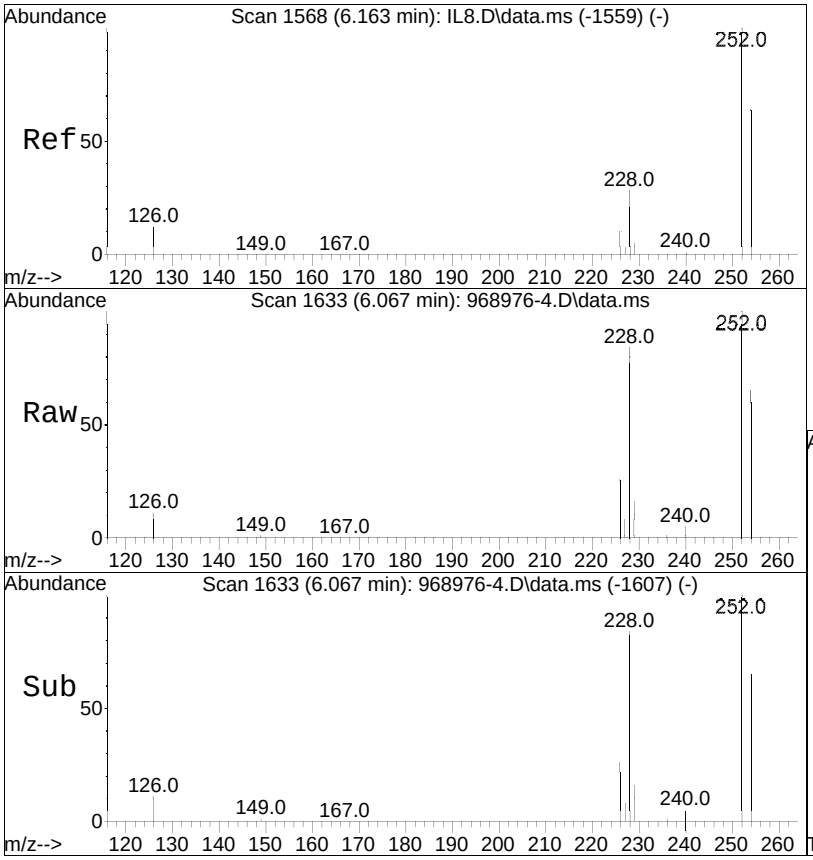


#32
Benzo[a]anthracene
Concen: 1595.30 ng/ml
RT: 6.074 min Scan# 1636
Delta R.T. -0.017 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:228 Resp: 574552

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

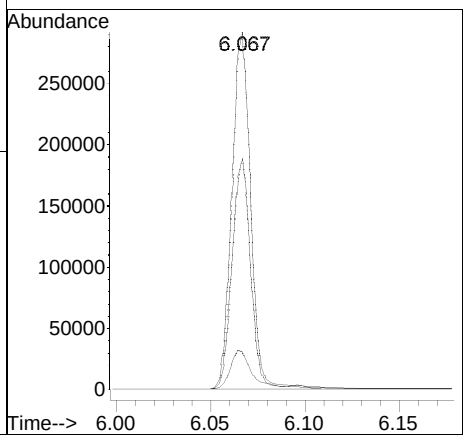


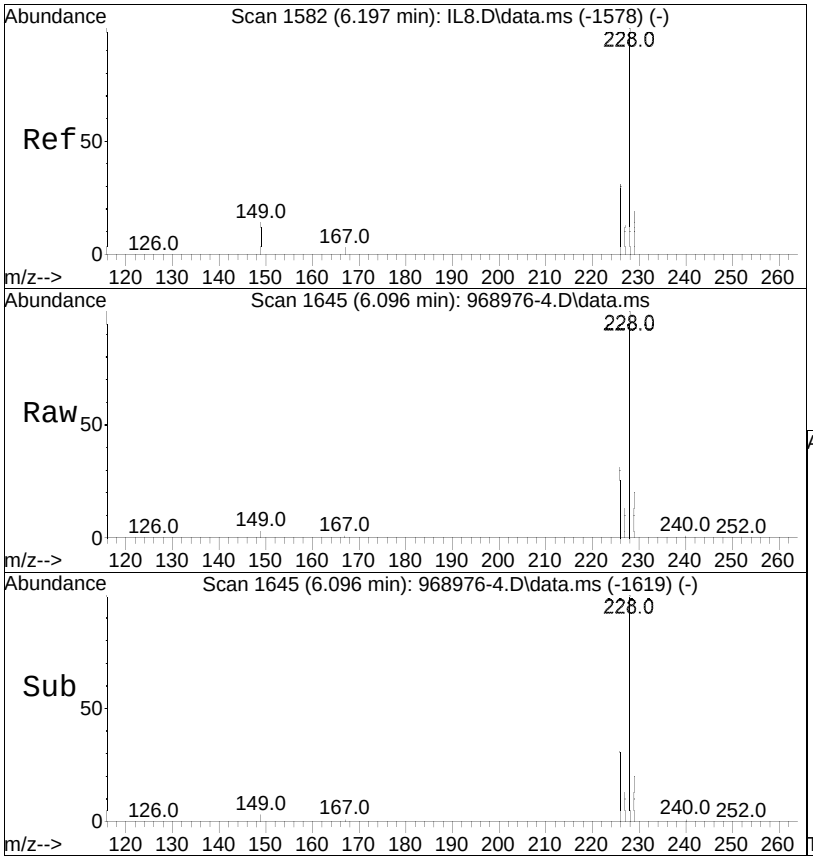


#33
3,3'-Dichlorobenzene
Concen: 1488.55 ng/ml
RT: 6.067 min Scan# 1633
Delta R.T. -0.017 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:252 Resp: 200087

Ion	Ratio	Lower	Upper
252	100		
126	12.6	11.7	17.5
254	64.5	51.4	77.2

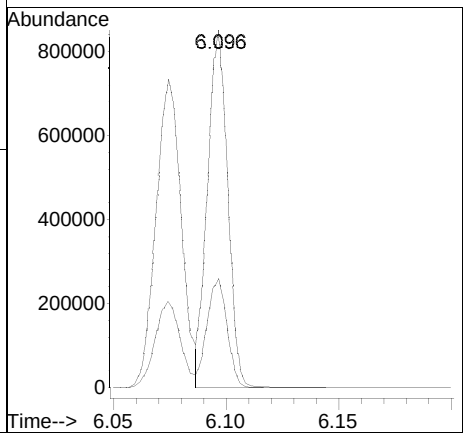


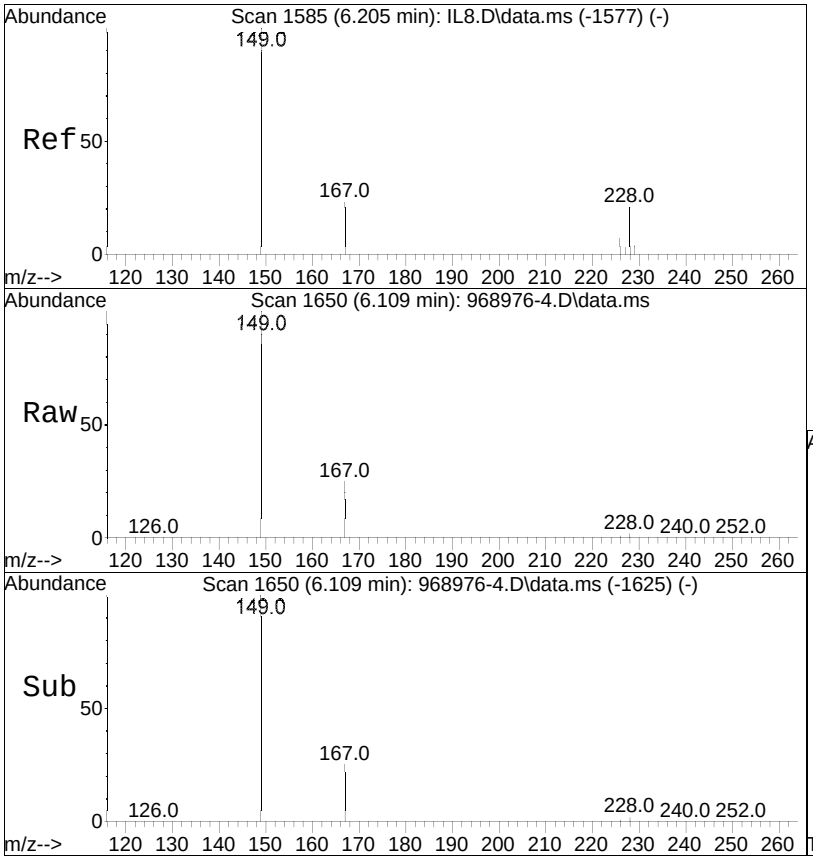


#34
Chrysene
Concen: 1517.52 ng/ml
RT: 6.096 min Scan# 1645
Delta R.T. -0.017 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:228 Resp: 526255

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5

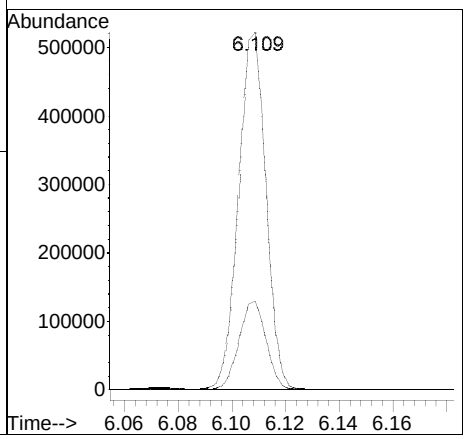


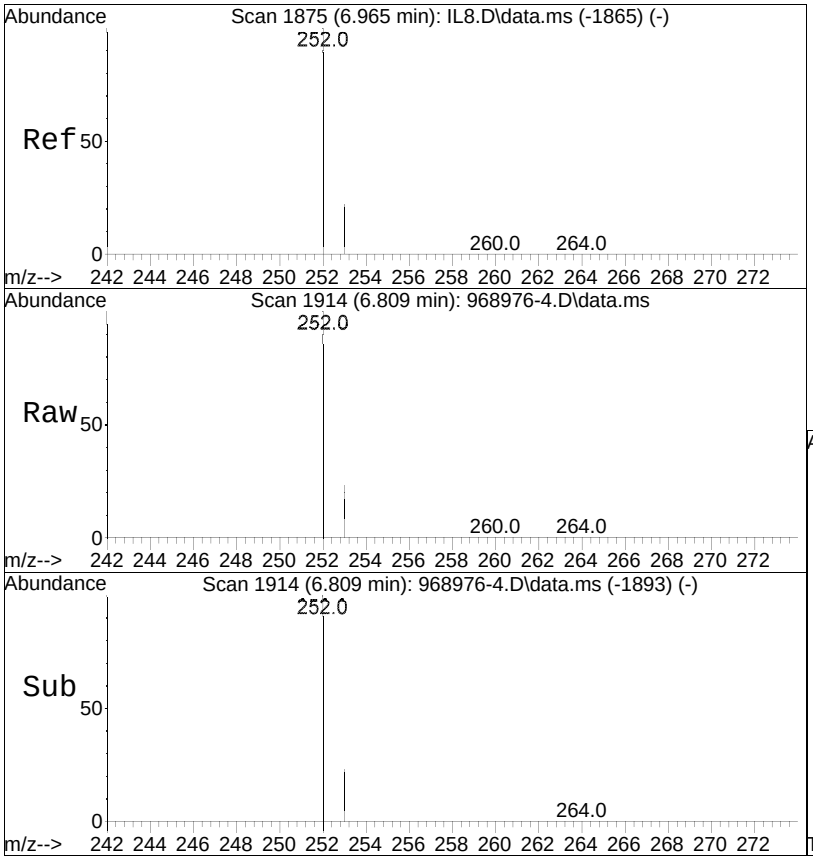


#35
Bis(2-ethylhexyl)phthalate
Concen: 1622.42 ng/ml
RT: 6.109 min Scan# 1650
Delta R.T. -0.020 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:149 Resp: 365077

Ion	Ratio	Lower	Upper
149	100		
167	24.6	18.5	27.7

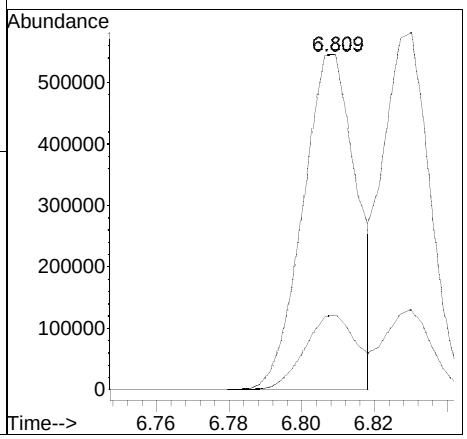


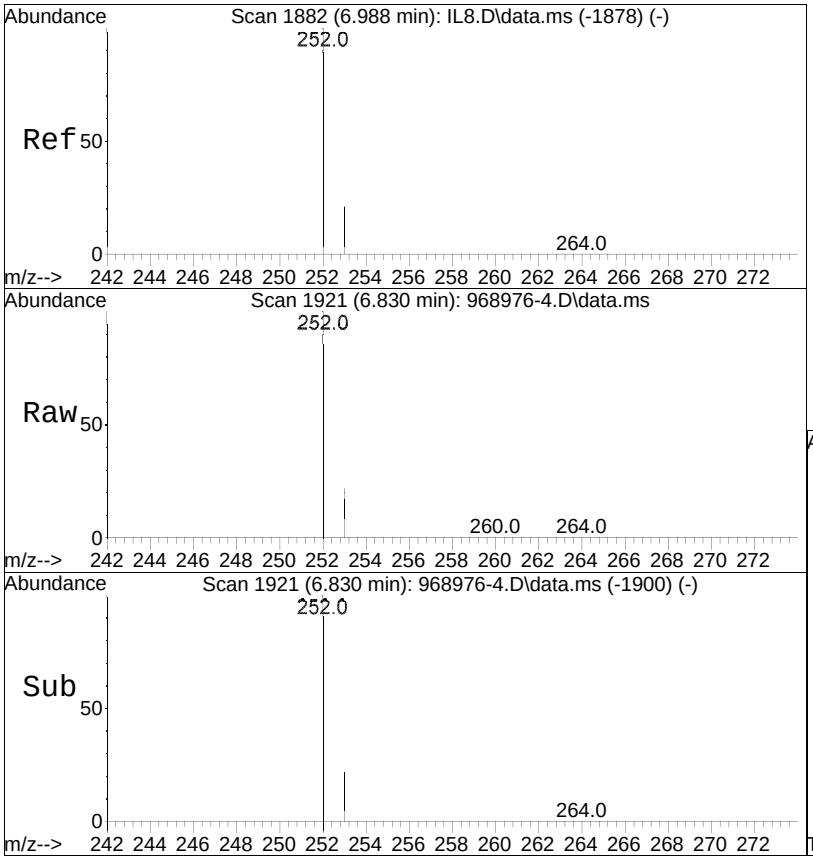


#37
Benzo[b]fluoranthene
Concen: 1743.80 ng/ml
RT: 6.809 min Scan# 1914
Delta R.T. -0.018 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:252 Resp: 561712

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9

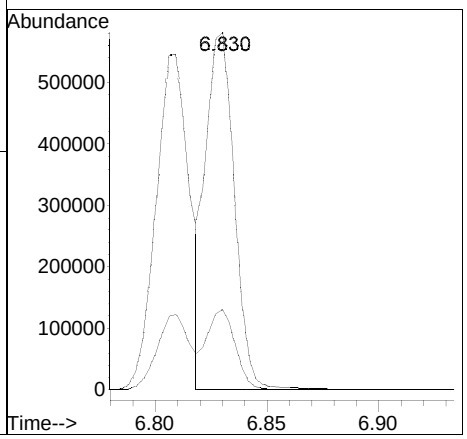


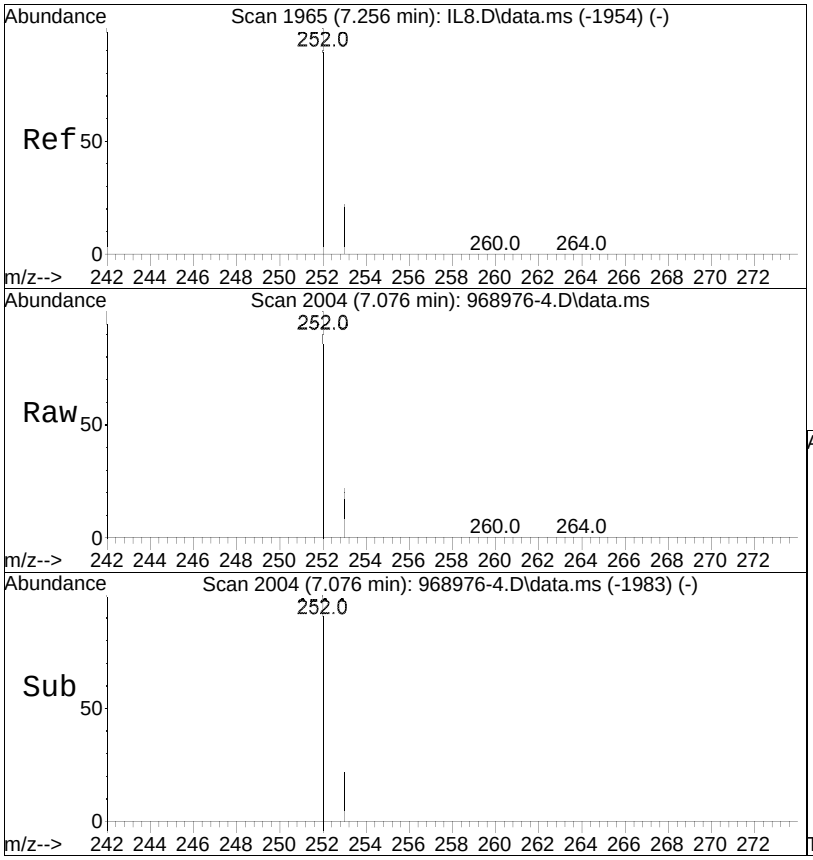


#38
Benzo[k]fluoranthene
Concen: 1708.87 ng/ml
RT: 6.830 min Scan# 1921
Delta R.T. -0.018 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:252 Resp: 518619

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4

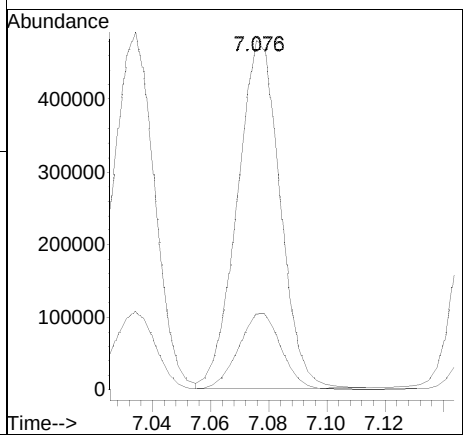


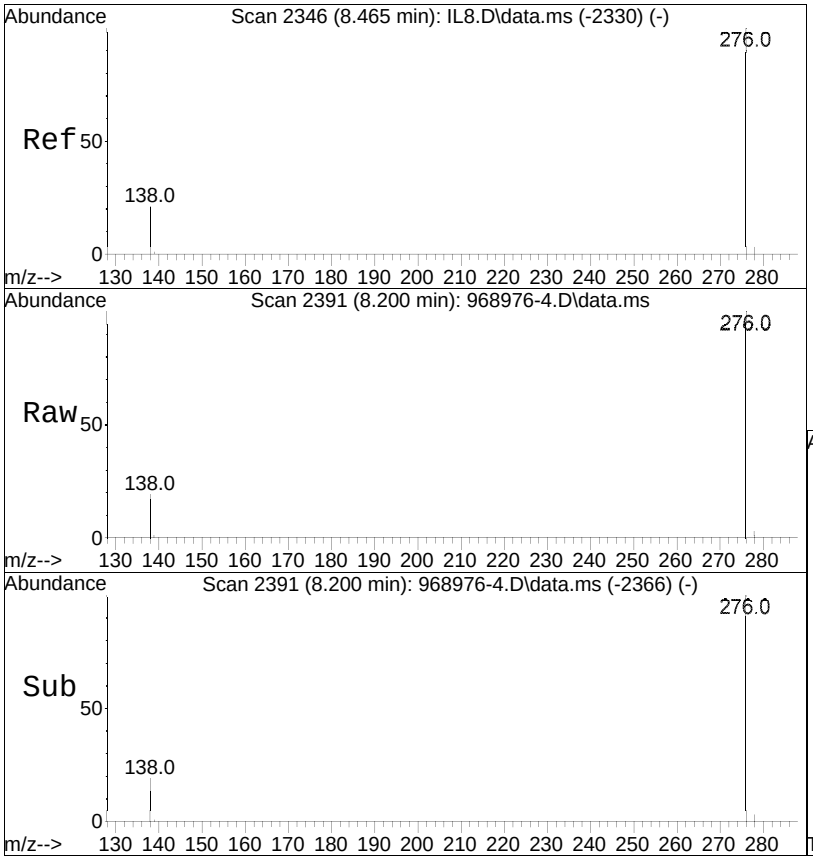


#39
Benzo[a]pyrene
Concen: 1897.99 ng/ml
RT: 7.076 min Scan# 2004
Delta R.T. -0.018 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:252 Resp: 488947

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

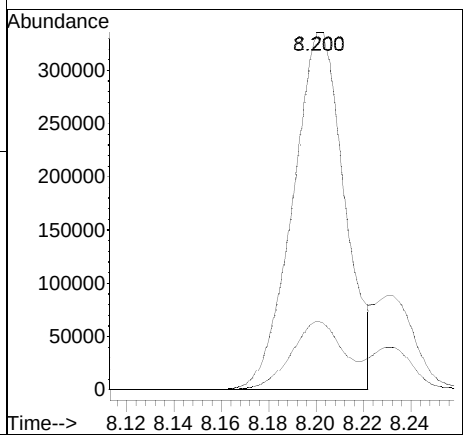


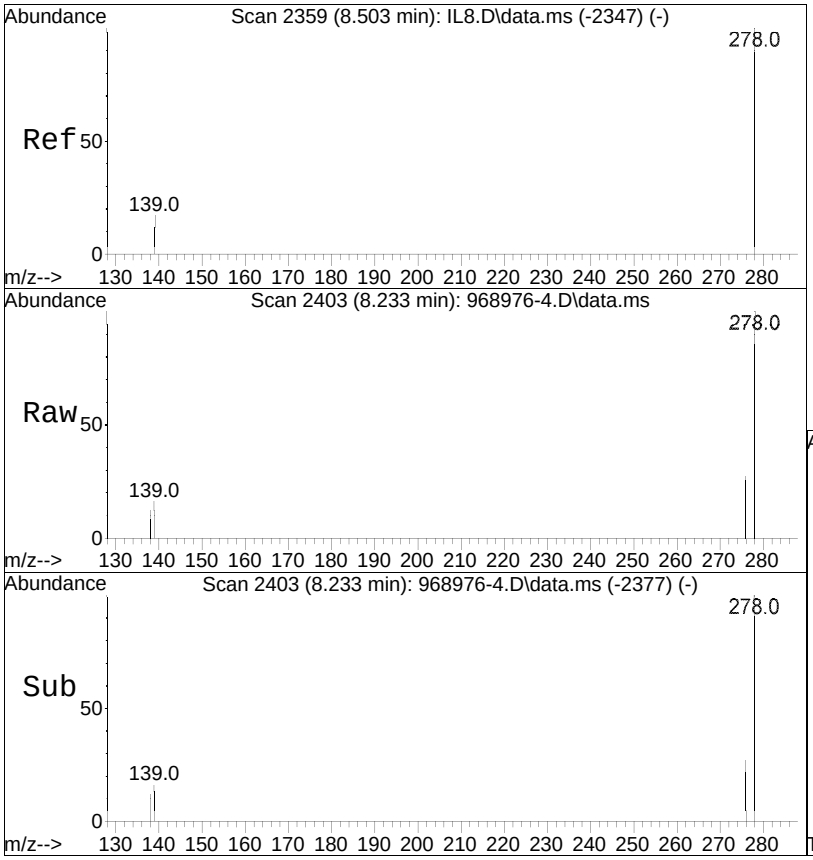


#40
Indeno[1,2,3-cd]pyrene
Concen: 2104.25 ng/ml
RT: 8.200 min Scan# 2391
Delta R.T. -0.013 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:276 Resp: 507955

Ion	Ratio	Lower	Upper
276	100		
138	18.7	17.2	25.8

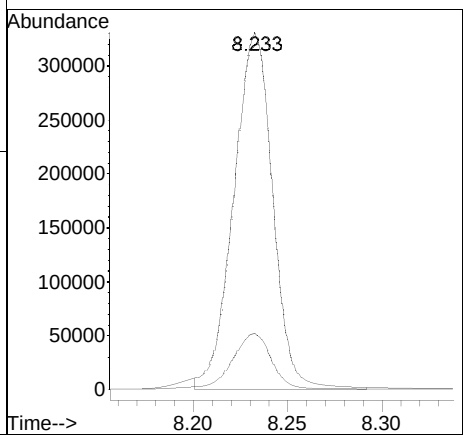


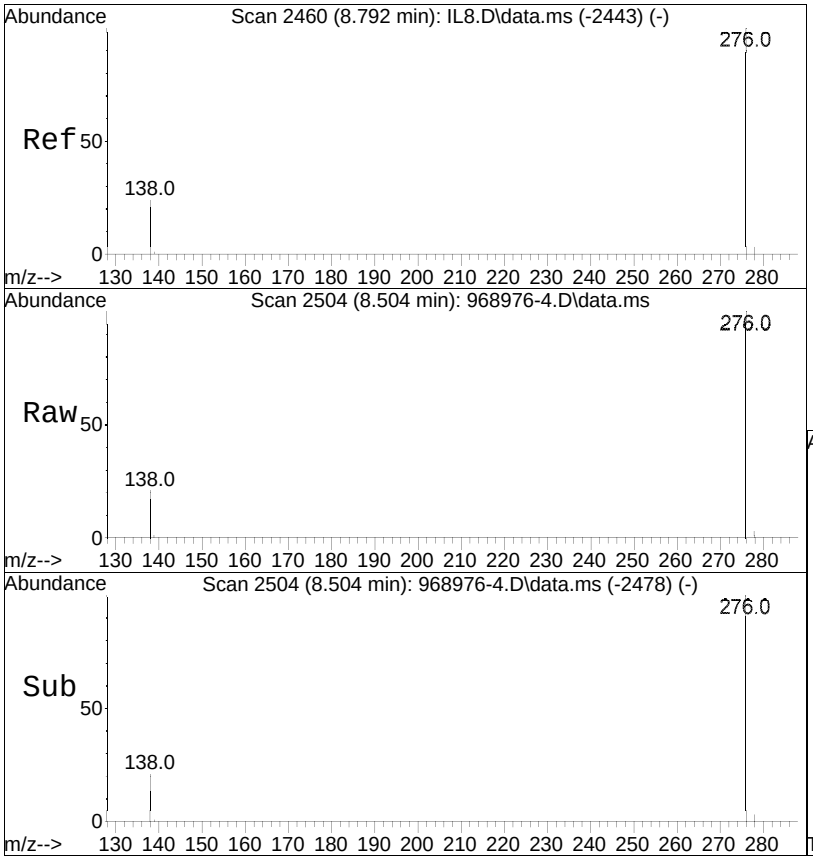


#41
Dibenzo[a,h]anthracene
Concen: 2088.34 ng/ml M6
RT: 8.233 min Scan# 2403
Delta R.T. -0.011 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:278 Resp: 473104

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.7	22.1

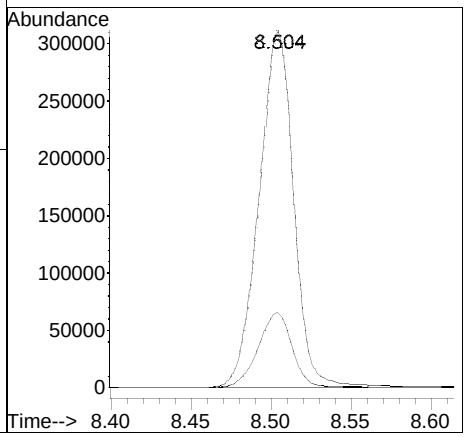




#42
Benzo[g,h,i]perylene
Concen: 1870.35 ng/ml
RT: 8.504 min Scan# 2504
Delta R.T. -0.011 min
Lab File: 968976-4.D
Acq: 10 Sep 2024 10:21 am

Tgt Ion:276 Resp: 461506

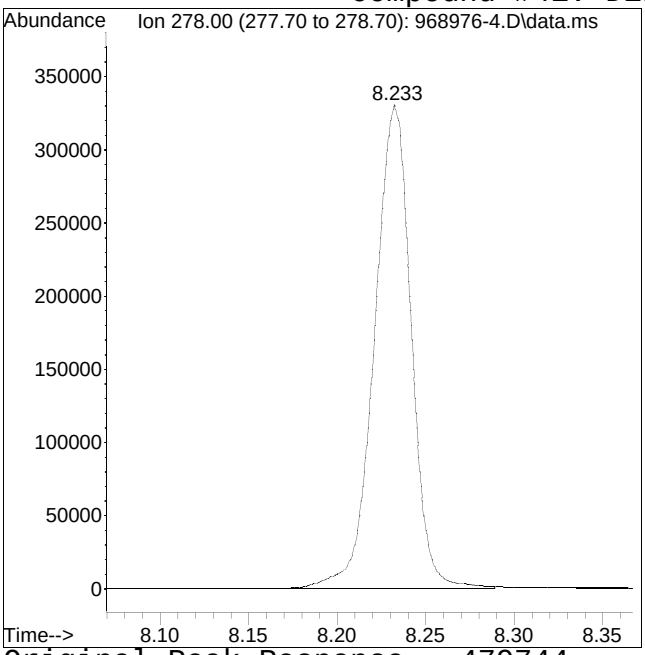
Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.0	28.4



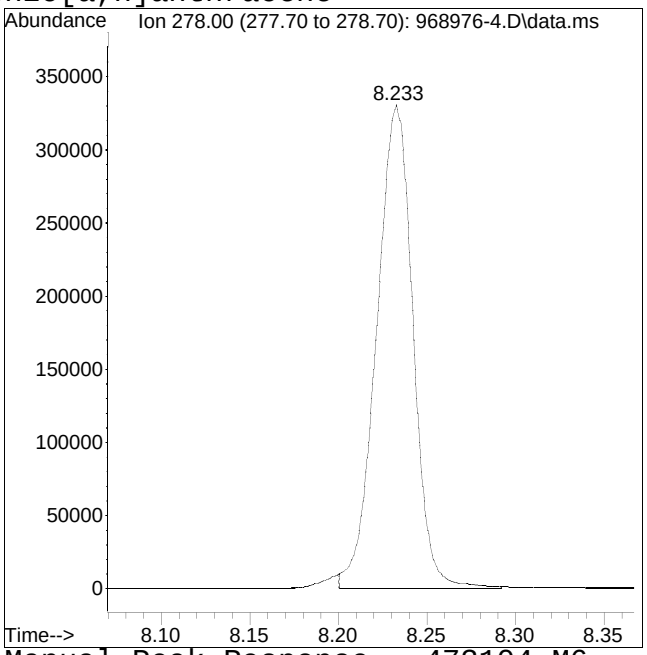
Manual Integration Report

Data Path : I:\8270SIM\sv120\240910RVTQMethod : SIM-RVT_240728_sv120.M
Data File : 968976-4.D Operator : SV120:jjw
Date Inj'd : 9/10/2024 10:21 am Instrument : SV120
Sample : WG1968976-4,32,,kmh Quant Date : 9/10/2024 10:35 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 479744



Manual Peak Response = 473104 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-5.D
Acq On : 10 Sep 2024 10:37 am
Operator : SV120:jjw
Sample : WG1968976-5,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 11:27:08 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.126	152	248582	4000.000	ng/ml	0.01
Standard Area 1 = 275803			Recovery = 90.13%			
8) Naphthalene-d8	2.774	136	996849	4000.000	ng/ml	0.00
Standard Area 1 = 1097676			Recovery = 90.81%			
17) Acenaphthene-d10	3.739	164	564274	4000.000	ng/ml	0.00
Standard Area 1 = 627546			Recovery = 89.92%			
22) Phenanthrene-d10	4.562	188	1132945	4000.000	ng/ml	0.00
Standard Area 1 = 1228056			Recovery = 92.26%			
31) Chrysene-d12	6.076	240	1040271	4000.000	ng/ml	-0.03
Standard Area 1 = 1204331			Recovery = 86.38%			
36) Perylene-d12	7.127	264	1050903	4000.000	ng/ml	-0.03
Standard Area 1 = 1217989			Recovery = 86.28%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.573	112	46063	623.851	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.19%			
3) Phenol-d6	1.950	99	54351	605.129	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.26%			
7) Nitrobenzene-d5	2.399	82	72243	988.273	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.83%			
13) 2-Fluorobiphenyl	3.365	172	175898	818.828	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.88%			
21) 2,4,6-Tribromophenol	4.177	330	28756	925.647	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.28%			
30) 4-Terphenyl-d14	5.464	244	220783	930.521	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.53%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.996	93	136173	1666.245	ng/ml	87
5) n-nitrosodi-n-propylamine	2.324	70	108782	2011.712	ng/ml	99
6) Hexachloroethane	2.377	117	52479	1504.916	ng/ml	95
9) Naphthalene	2.785	128	432894	1512.287	ng/ml#	100
10) Hexachlorobutadiene	2.857	225	75430	1534.057	ng/ml	100
11) 2-Methylnaphthalene	3.159	142	298852	1644.802	ng/ml	99
12) 1-Methylnaphthalene	3.215	142	276685	1631.794	ng/ml	99
14) 2-Chloronaphthalene	3.428	162	300848	1629.636	ng/ml	92
15) 2,6-Dinitrotoluene	3.625	165	79020	1919.638	ng/ml	93
16) Acenaphthylene	3.655	152	485376	1831.428	ng/ml	100
18) Acenaphthene	3.755	153	328103	1612.388	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-5.D
Acq On : 10 Sep 2024 10:37 am
Operator : SV120:jjw
Sample : WG1968976-5,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 11:27:08 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv120\240910RVT\ccv0910a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.847	165	107761	1924.019	ng/ml	92
20) Fluorene	4.040	166	375204	1663.946	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.076	198	24895	944.883	ng/ml	98
24) Hexachlorobenzene	4.354	284	125991	1586.016	ng/ml	97
25) Pentachlorophenol	4.465	266	29983	832.368	ng/ml	99
26) Phenanthrene	4.576	178	562828	1672.995	ng/ml	100
27) Anthracene	4.604	178	574279	1769.337	ng/ml	100
28) Fluoranthene	5.242	202	672743	1850.731	ng/ml	100
29) Pyrene	5.369	202	694571	1834.028	ng/ml	99
32) Benzo[a]anthracene	6.068	228	663979	1690.177	ng/ml	100
33) 3,3'-Dichlorobenzene	6.061	252	230821	1572.533	ng/ml	99
34) Chrysene	6.090	228	604950	1598.868	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.100	149	435822	1762.564	ng/ml	97
37) Benzo[b]fluoranthene	6.801	252	625438	1763.138	ng/ml	95
38) Benzo[k]fluoranthene	6.822	252	630634	1886.935	ng/ml	96
39) Benzo[a]pyrene	7.068	252	568608	2004.308	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.195	276	610577	2296.843	ng/ml	95
41) Dibenzo[a,h]anthracene	8.225	278	559757M6	2243.700	ng/ml	
42) Benzo[g,h,i]perylene	8.499	276	546122	2009.809	ng/ml	94

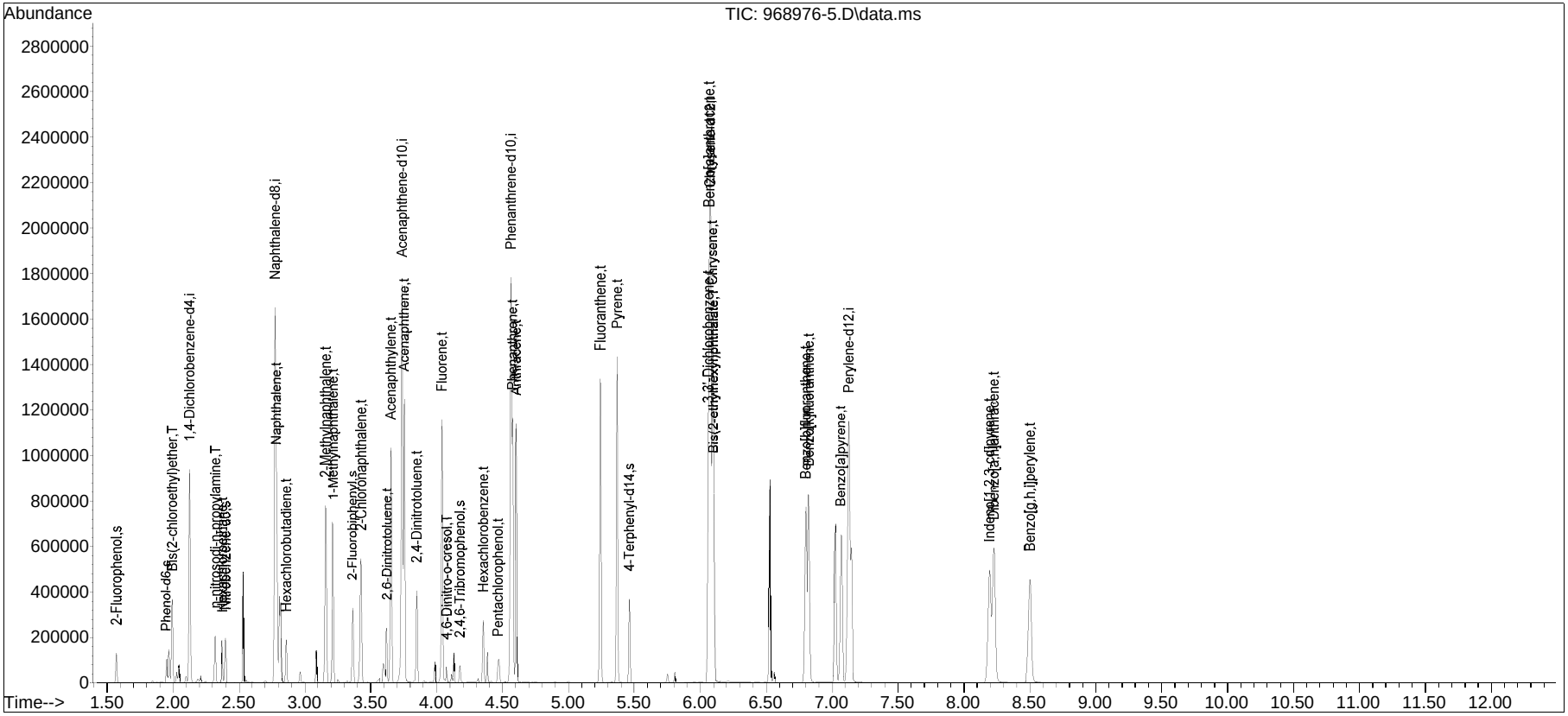
(#) = qualifier out of range (m) = manual integration (+) = signals summed

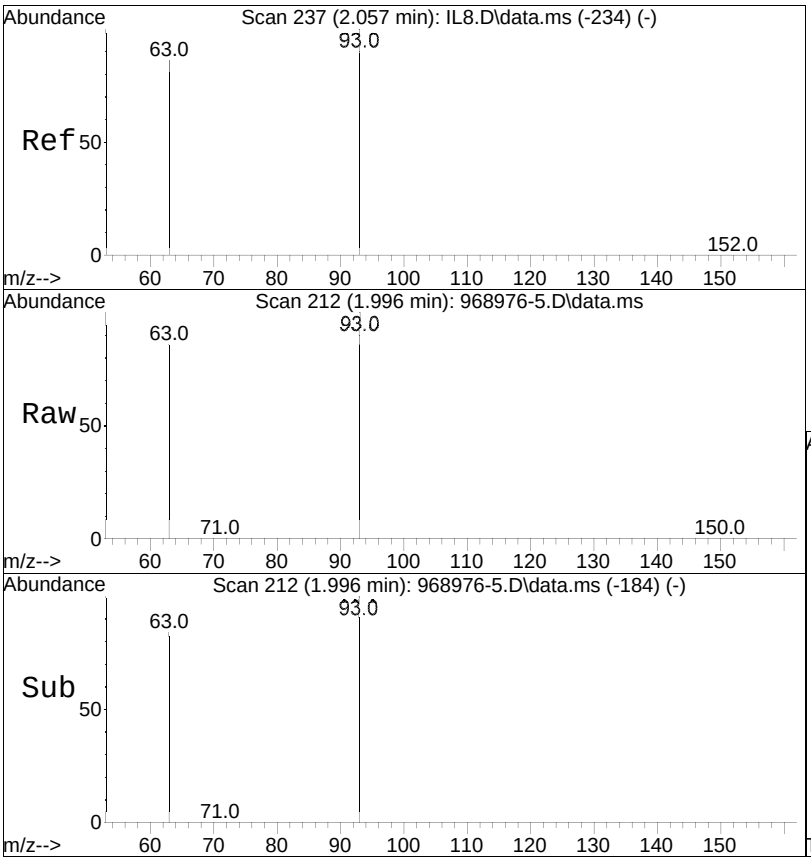
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240910RVT\
Data File : 968976-5.D
Acq On : 10 Sep 2024 10:37 am
Operator : SV120:jjw
Sample : WG1968976-5,32,,kmh
Misc : WG1969644,WG1968976,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 11:27:08 2024
Quant Method : I:\8270sim\sv120\240910RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Sep 10 09:11:24 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0910a.D•

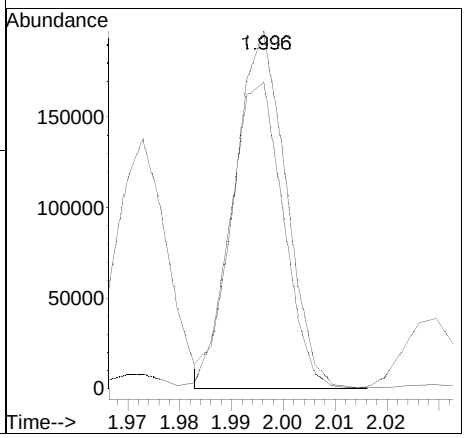


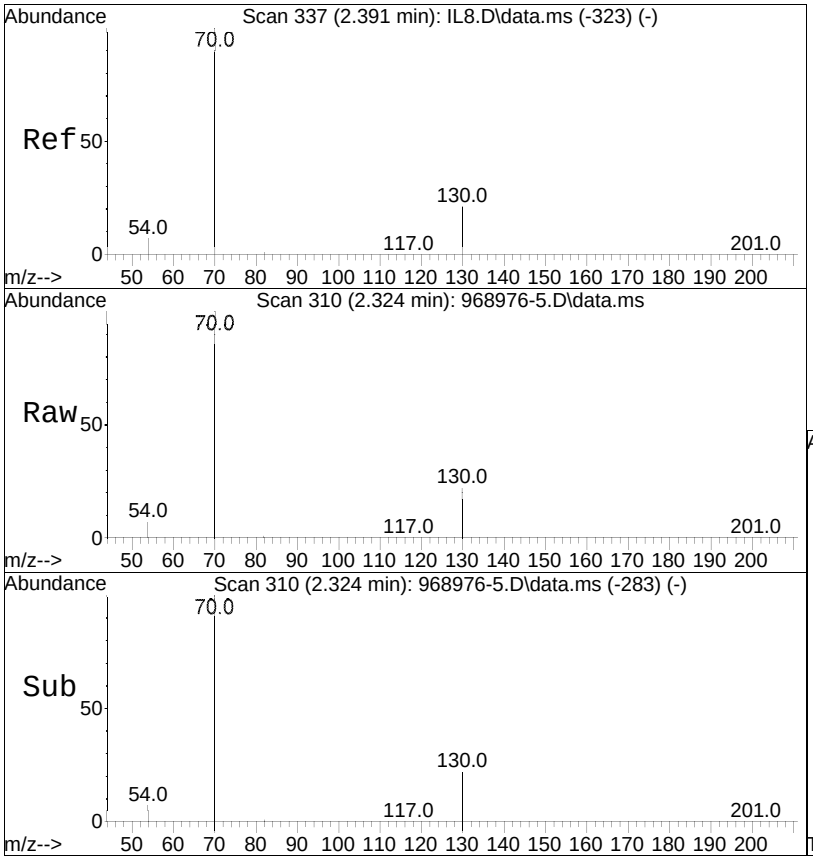


#4
Bis(2-chloroethyl)ether
Concen: 1666.25 ng/ml
RT: 1.996 min Scan# 212
Delta R.T. 0.013 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion: 93 Resp: 136173

Ion	Ratio	Lower	Upper
93	100		
63	88.2	61.8	92.6

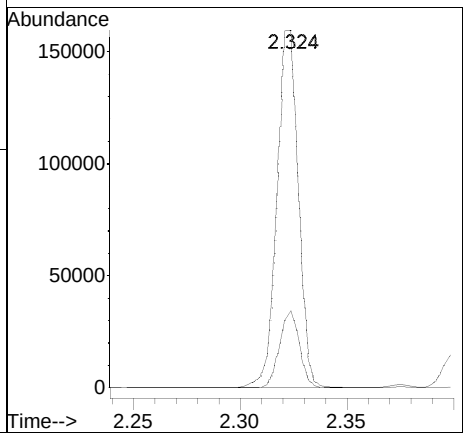


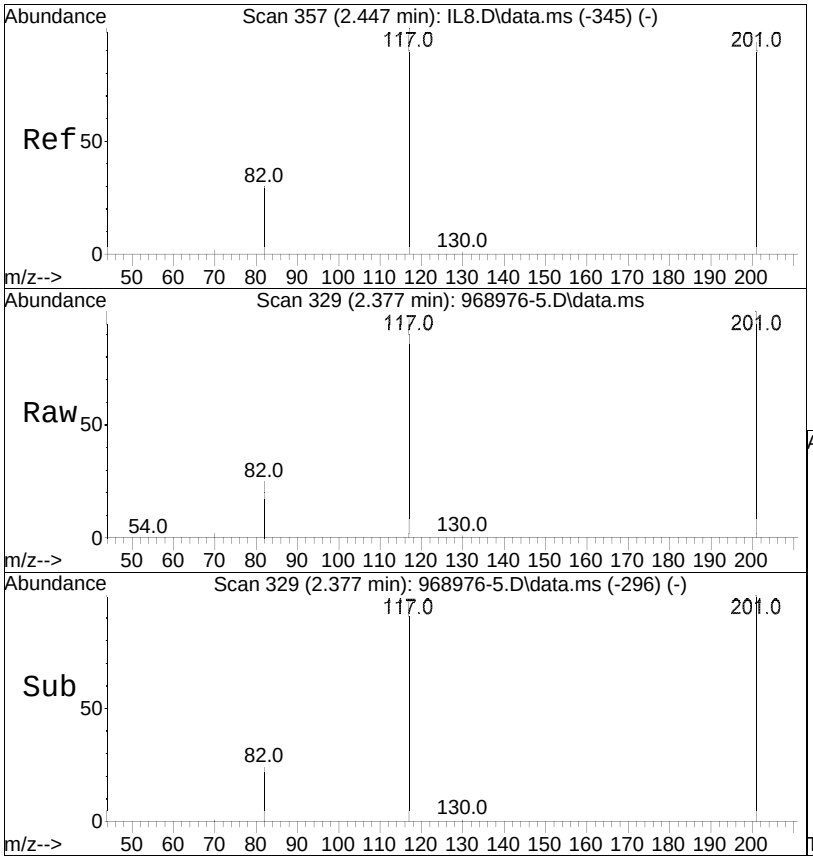


#5
n-nitrosodi-n-propylamine
Concen: 2011.71 ng/ml
RT: 2.324 min Scan# 310
Delta R.T. 0.012 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion: 70 Resp: 108782

Ion	Ratio	Lower	Upper
70	100		
130	20.3	16.4	24.6

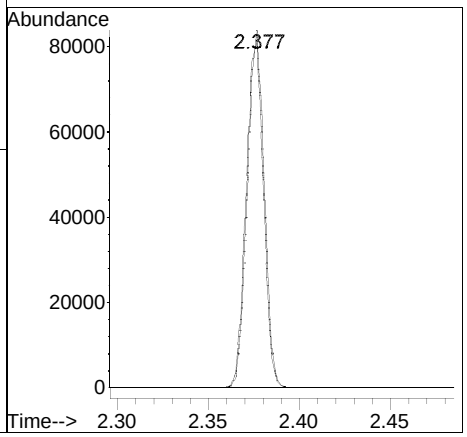


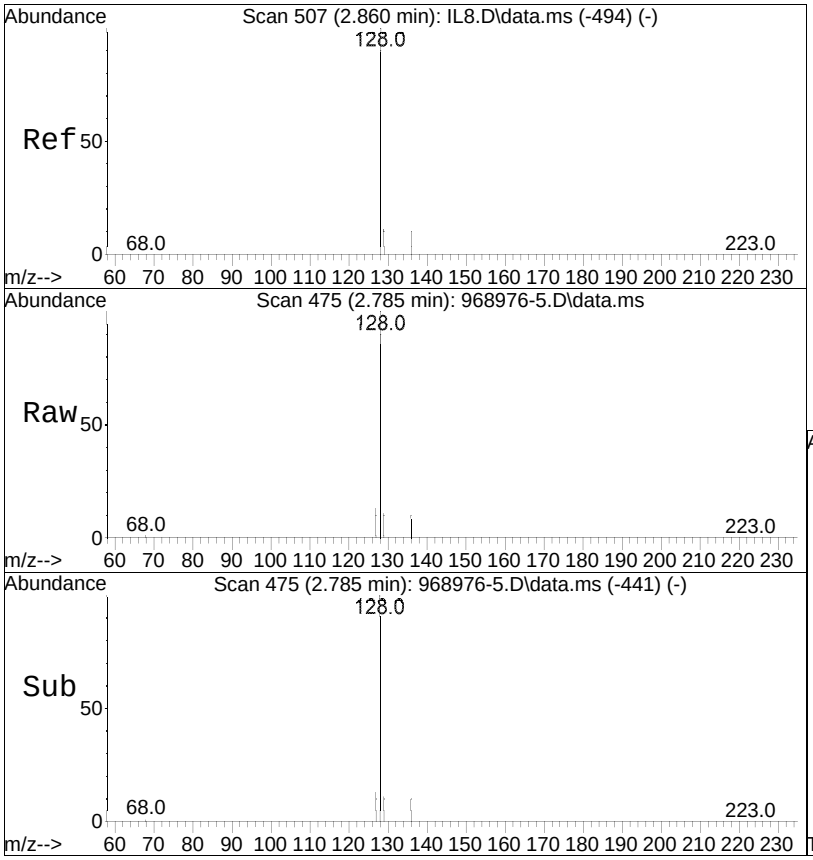


#6
Hexachloroethane
Concen: 1504.92 ng/ml
RT: 2.377 min Scan# 329
Delta R.T. 0.012 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:117 Resp: 52479

Ion	Ratio	Lower	Upper
117	100		
201	100.8	76.6	115.0

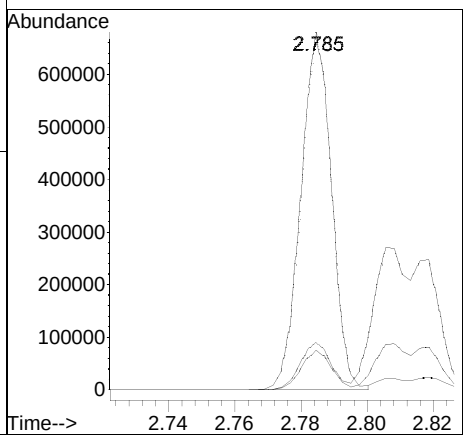


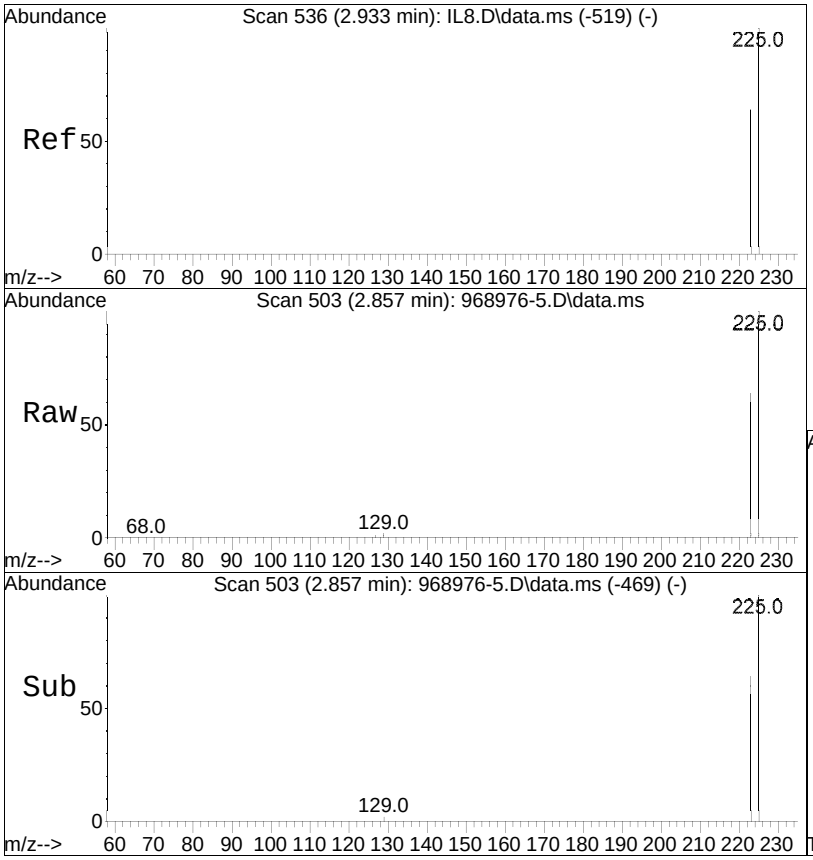


#9
Naphthalene
Concen: 1512.29 ng/ml
RT: 2.785 min Scan# 475
Delta R.T. 0.008 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:128 Resp: 432894

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.7	0.0	0.0#

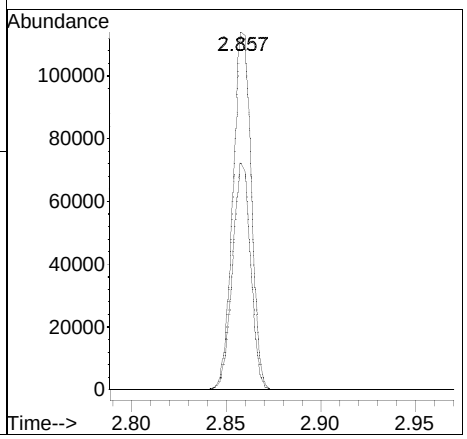


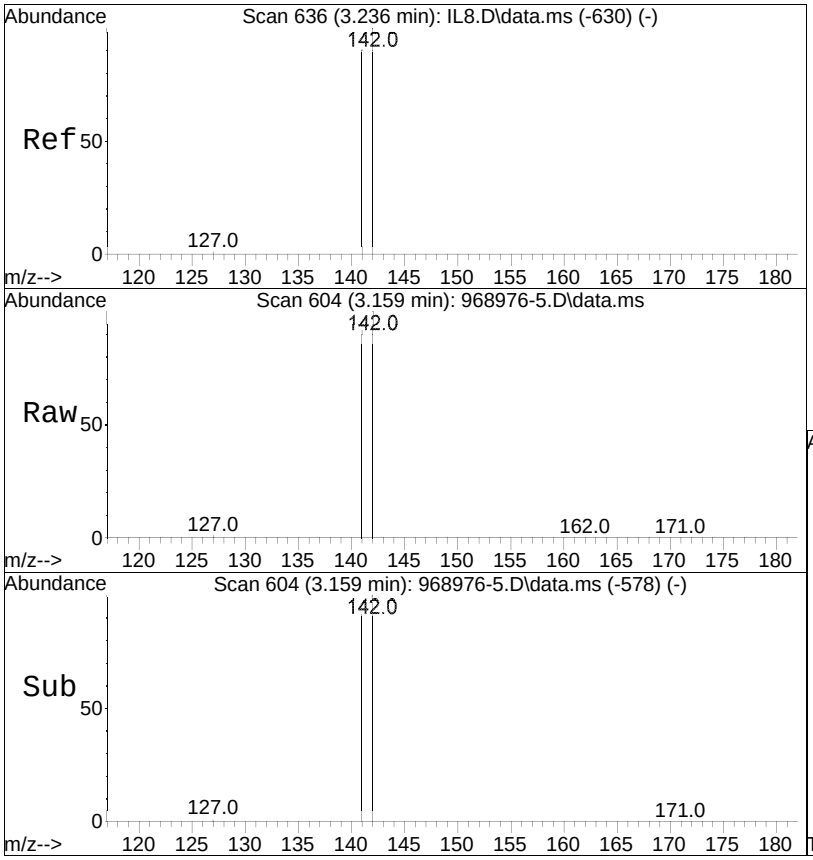


#10
Hexachlorobutadiene
Concen: 1534.06 ng/ml
RT: 2.857 min Scan# 503
Delta R.T. 0.008 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:225 Resp: 75430

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6

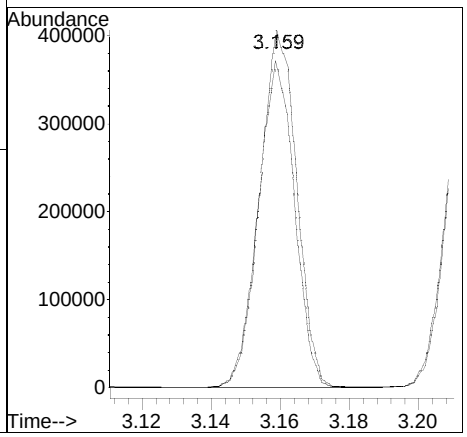


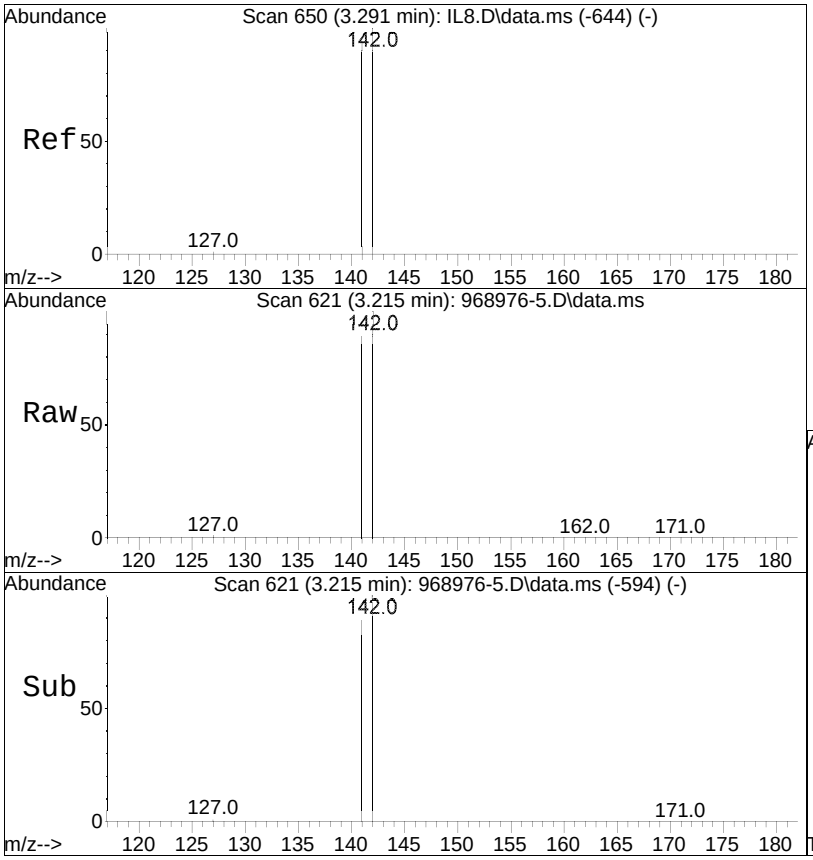


#11
2-Methylnaphthalene
Concen: 1644.80 ng/ml
RT: 3.159 min Scan# 604
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:142 Resp: 298852

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.4

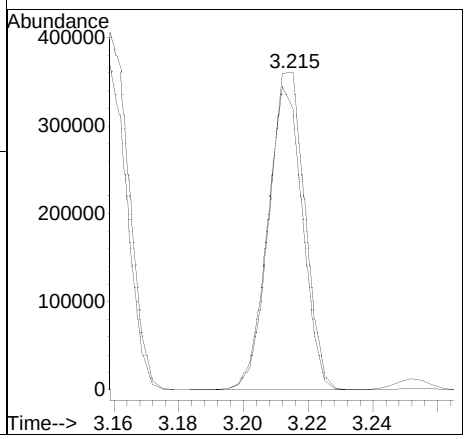


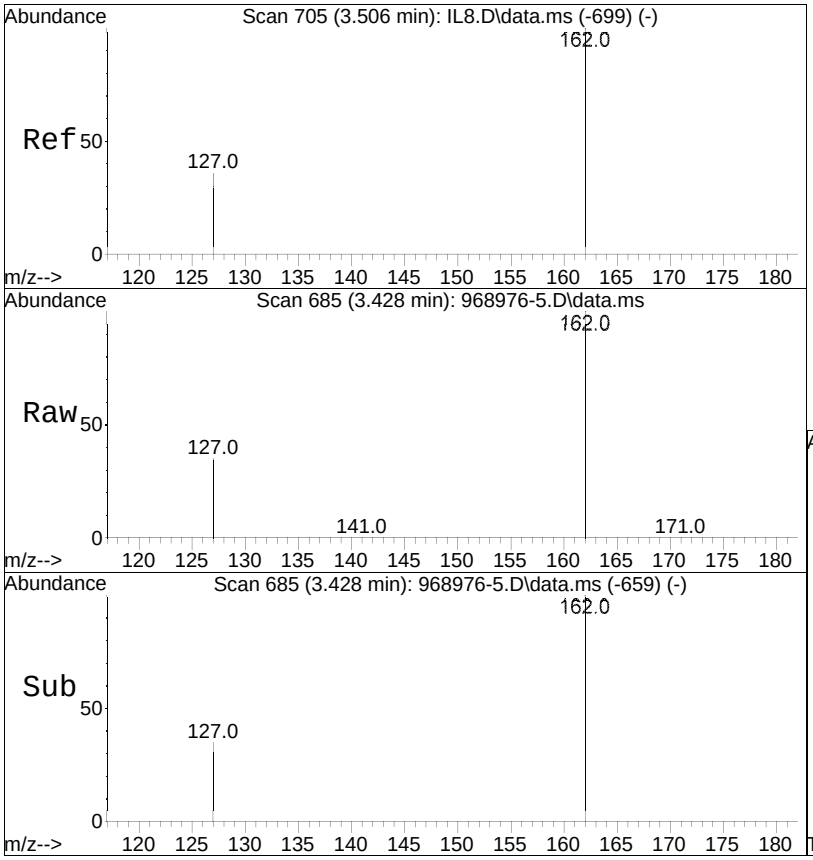


#12
1-Methylnaphthalene
Concen: 1631.79 ng/ml
RT: 3.215 min Scan# 621
Delta R.T. 0.011 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:142 Resp: 276685

Ion	Ratio	Lower	Upper
142	100		
141	93.1	75.0	112.6

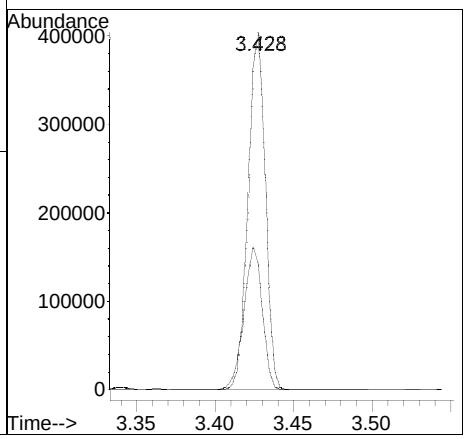


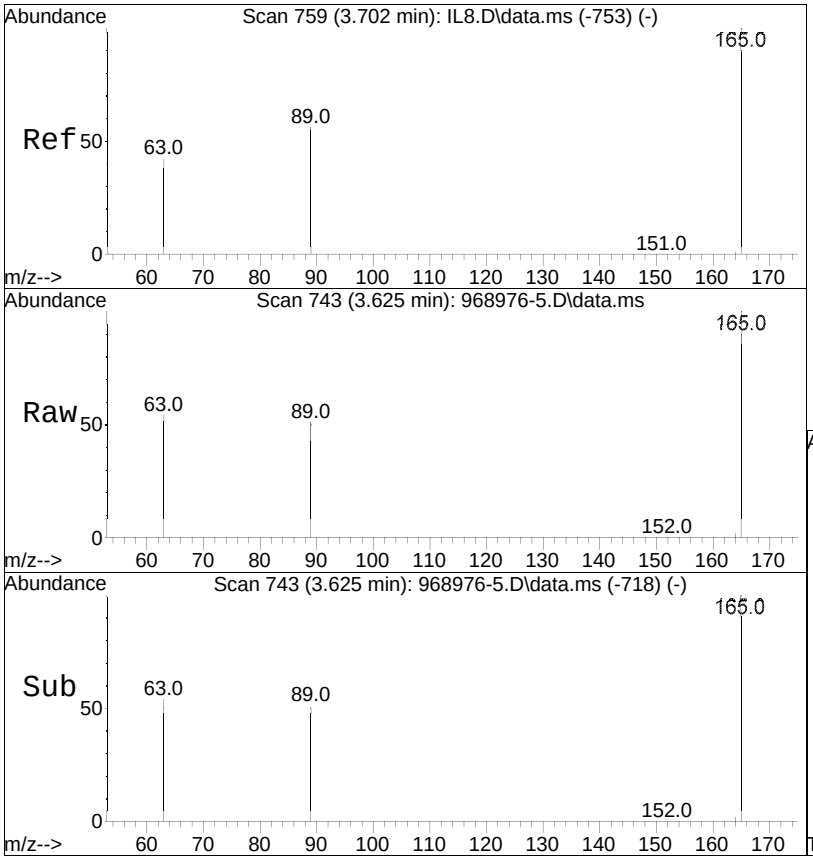


#14
2-Chloronaphthalene
Concen: 1629.64 ng/ml
RT: 3.428 min Scan# 685
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:162 Resp: 300848

Ion	Ratio	Lower	Upper
162	100		
127	43.2	30.9	46.3

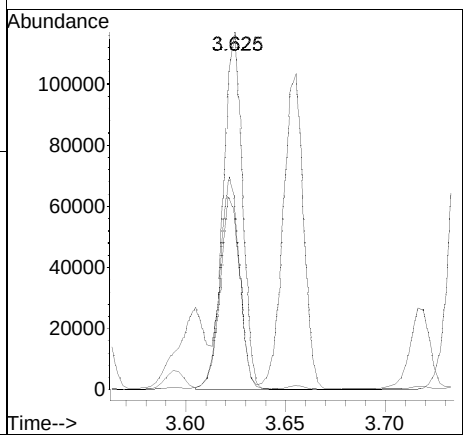


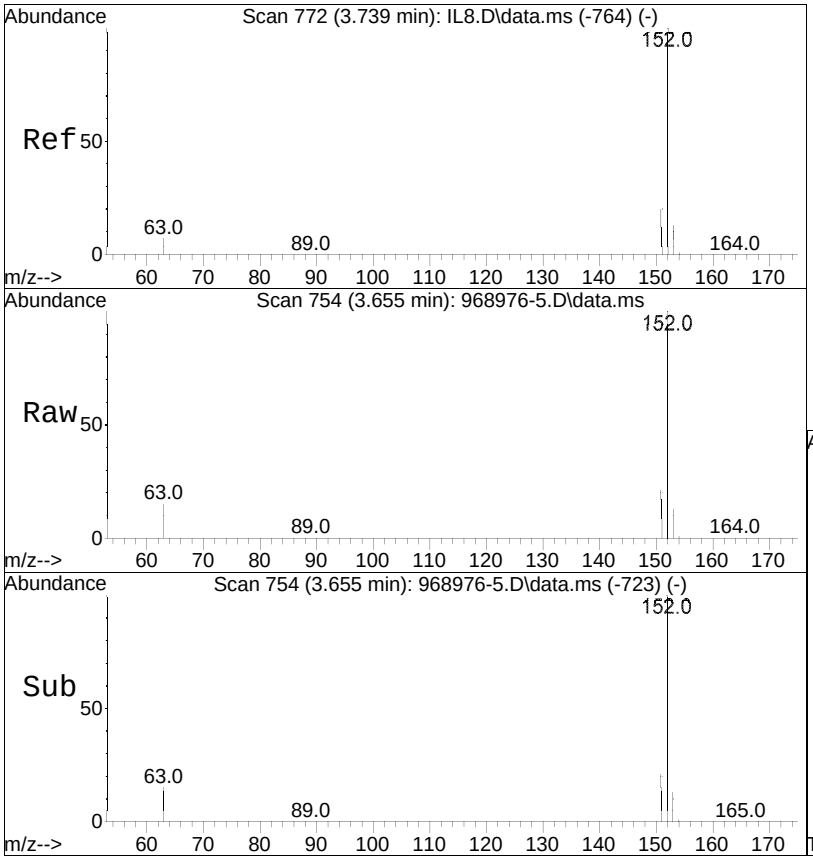


#15
2,6-Dinitrotoluene
Concen: 1919.64 ng/ml
RT: 3.625 min Scan# 743
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:165 Resp: 79020

Ion	Ratio	Lower	Upper
165	100		
89	55.3	49.9	74.9
63	56.5	48.5	72.7

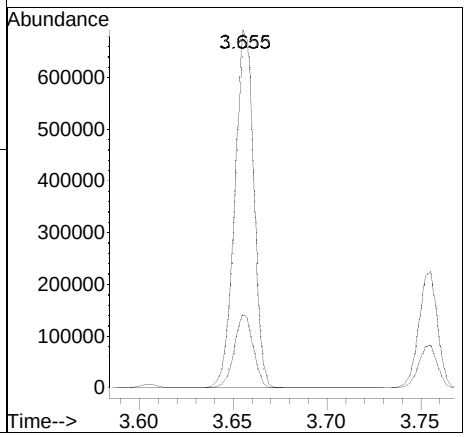


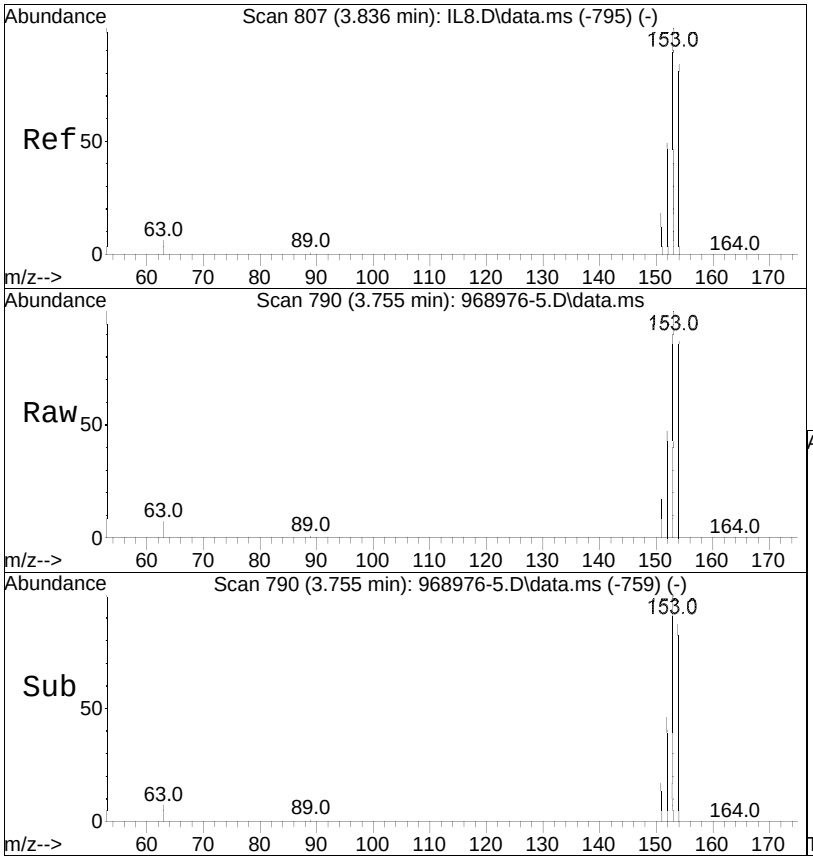


#16
Acenaphthylene
Concen: 1831.43 ng/ml
RT: 3.655 min Scan# 754
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:152 Resp: 485376

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

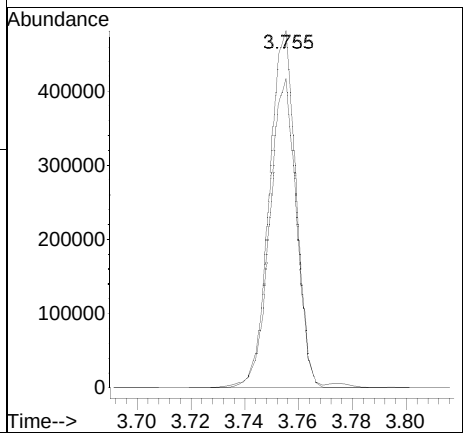


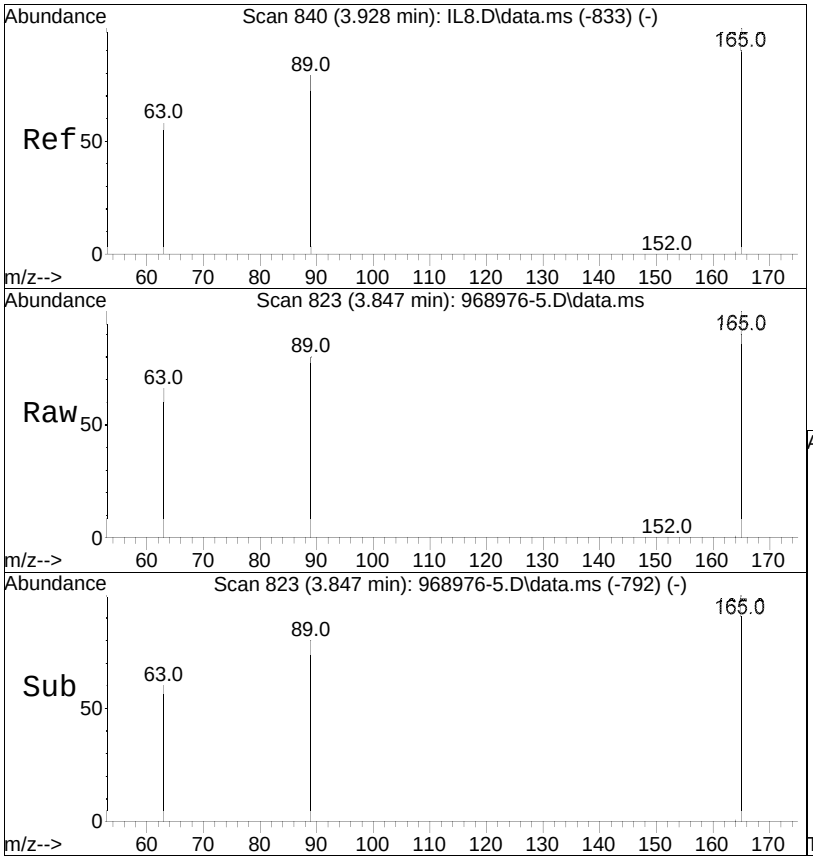


#18
Acenaphthene
Concen: 1612.39 ng/ml
RT: 3.755 min Scan# 790
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:153 Resp: 328103

Ion	Ratio	Lower	Upper
153	100		
154	86.6	72.3	108.5

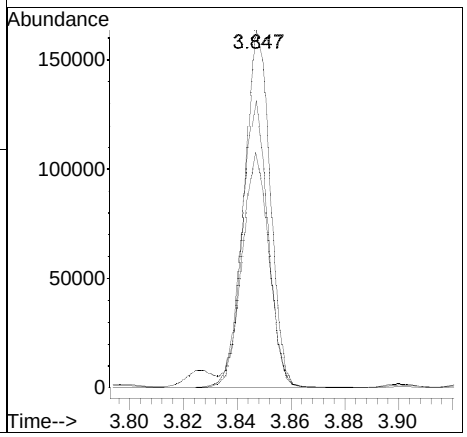


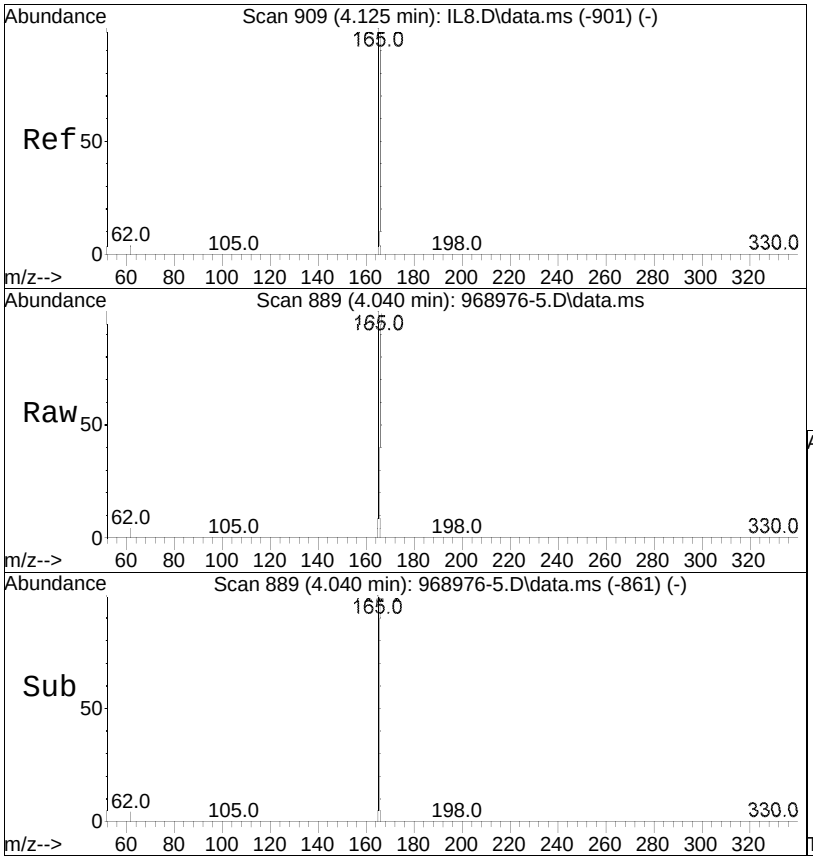


#19
2,4-Dinitrotoluene
Concen: 1924.02 ng/ml
RT: 3.847 min Scan# 823
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:165 Resp: 107761

Ion	Ratio	Lower	Upper
165	100		
89	81.3	72.9	109.3
63	68.5	59.0	88.4

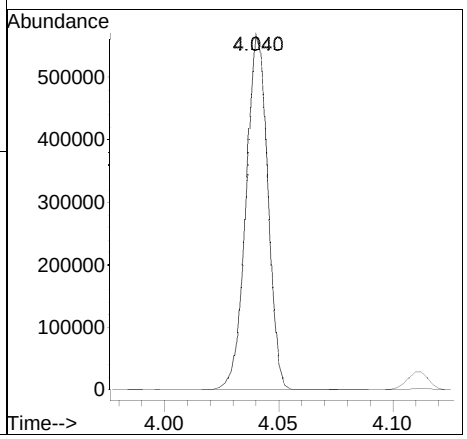


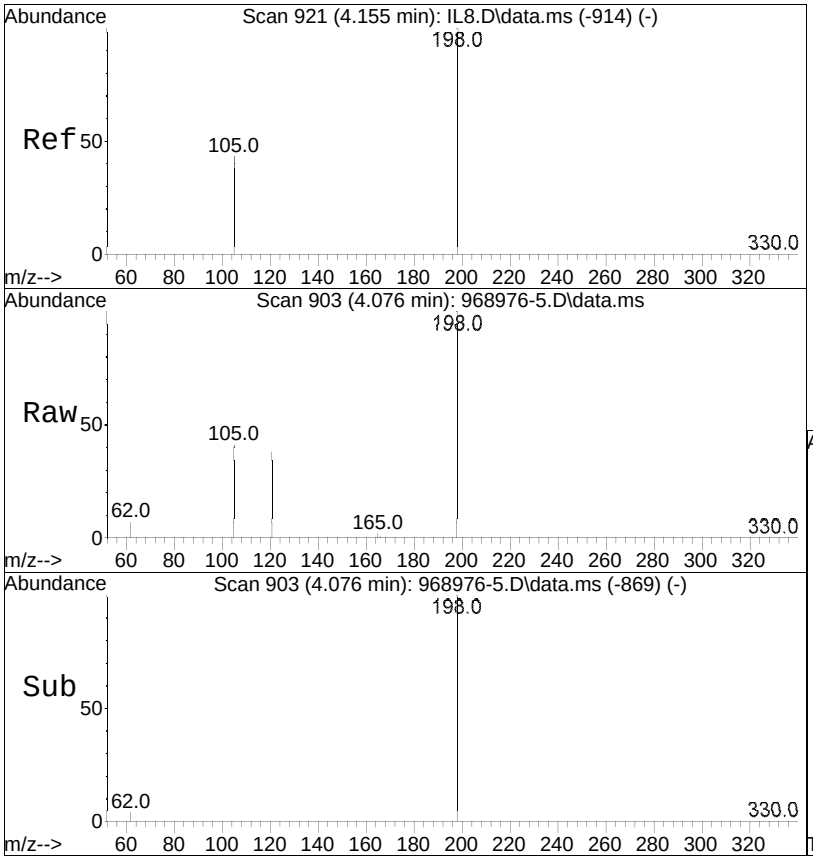


#20
Fluorene
Concen: 1663.95 ng/ml
RT: 4.040 min Scan# 889
Delta R.T. 0.006 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:166 Resp: 375204

Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.5	122.3

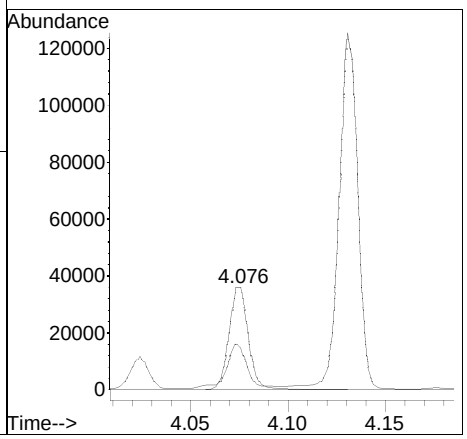


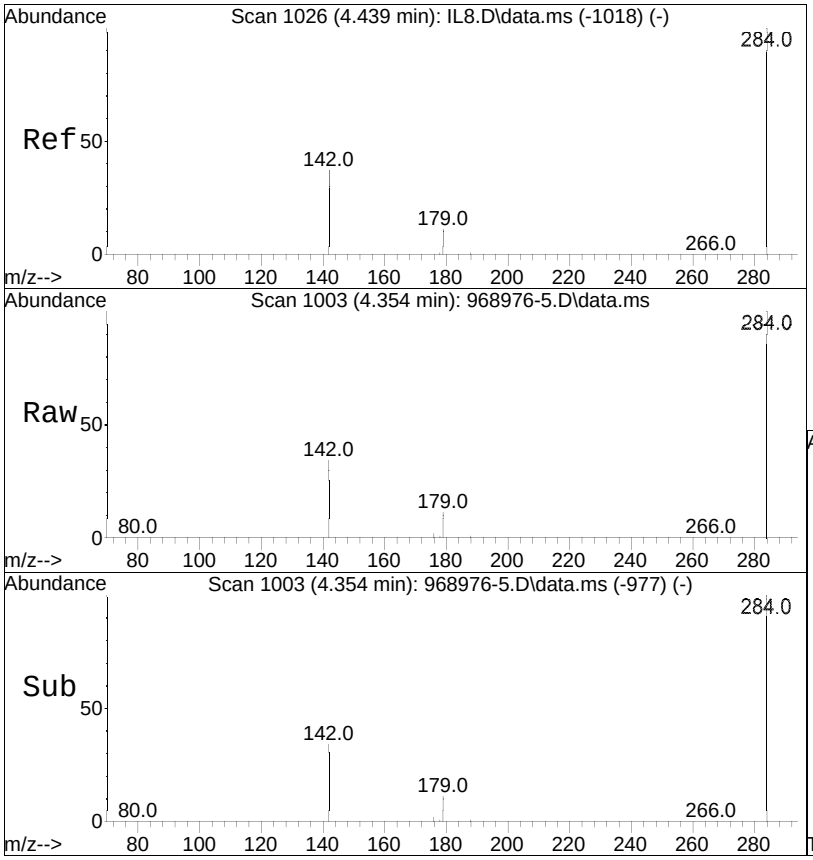


#23
4,6-Dinitro-o-cresol
Concen: 944.88 ng/ml
RT: 4.076 min Scan# 903
Delta R.T. 0.009 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:198 Resp: 24895

Ion	Ratio	Lower	Upper
198	100		
105	46.8	36.2	54.2

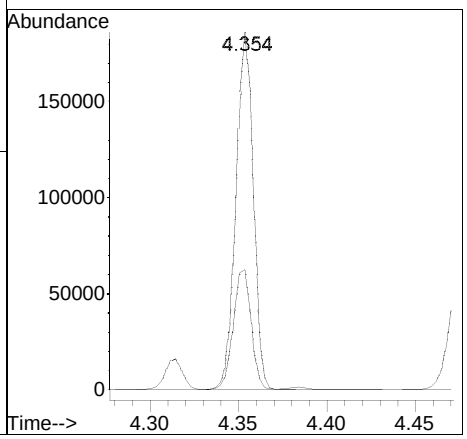


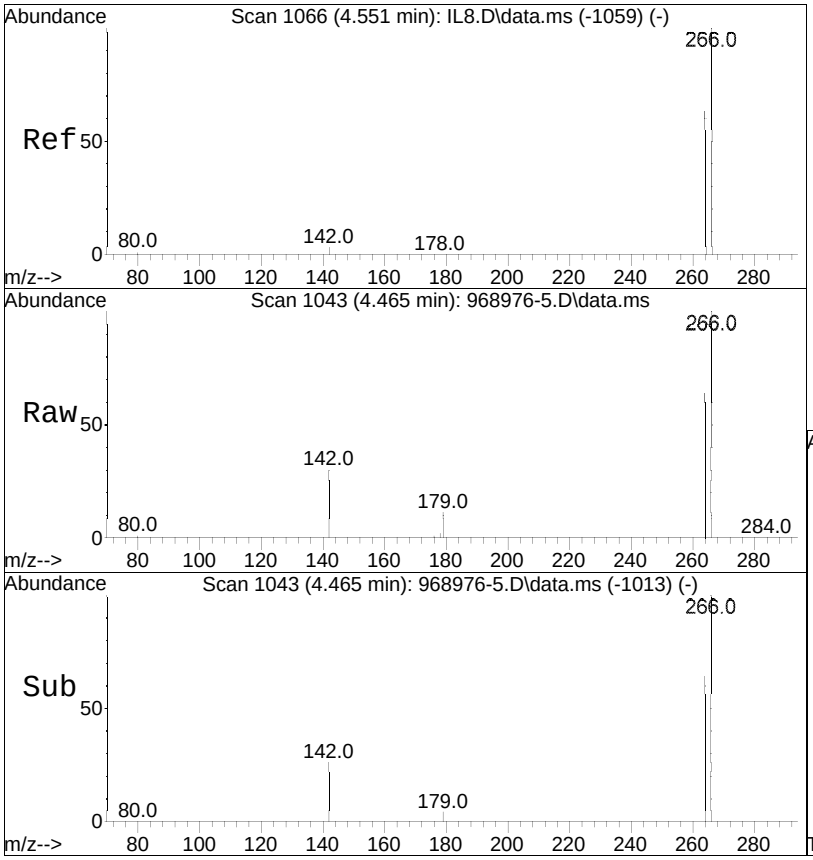


#24
Hexachlorobenzene
Concen: 1586.02 ng/ml
RT: 4.354 min Scan# 1003
Delta R.T. 0.004 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:284 Resp: 125991

Ion	Ratio	Lower	Upper
284	100		
142	35.1	29.4	44.2

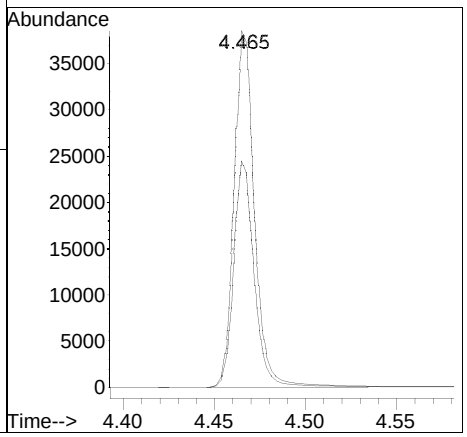


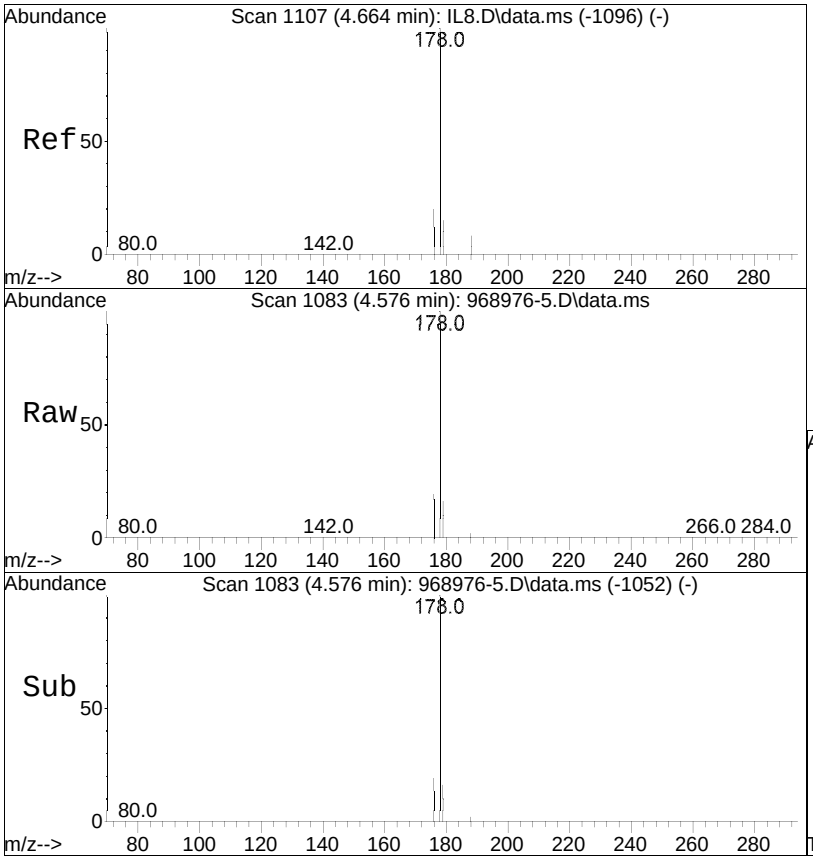


#25
Pentachlorophenol
Concen: 832.37 ng/ml
RT: 4.465 min Scan# 1043
Delta R.T. 0.004 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:266 Resp: 29983

Ion	Ratio	Lower	Upper
266	100		
264	63.7	50.2	75.4

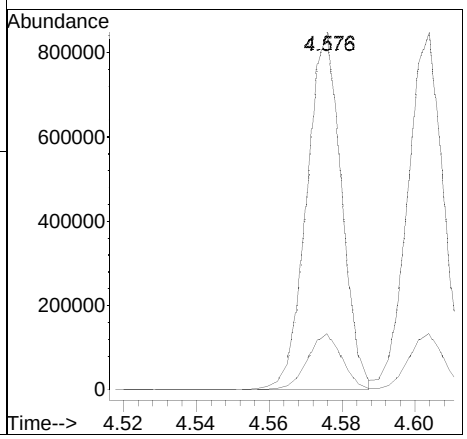


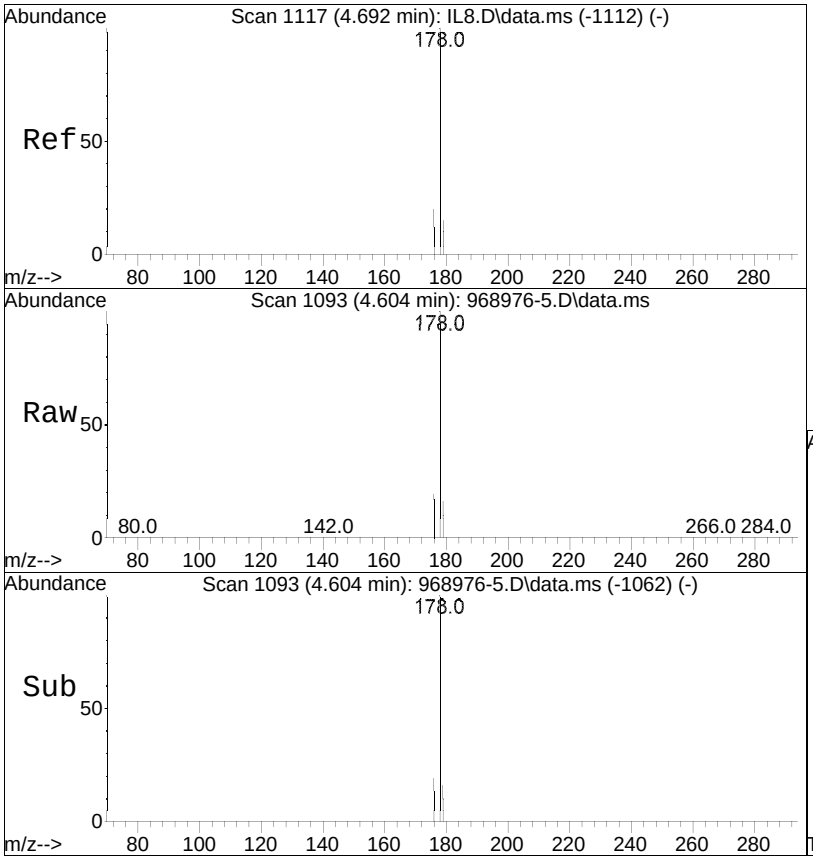


#26
Phenanthrene
Concen: 1673.00 ng/ml
RT: 4.576 min Scan# 1083
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:178 Resp: 562828

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

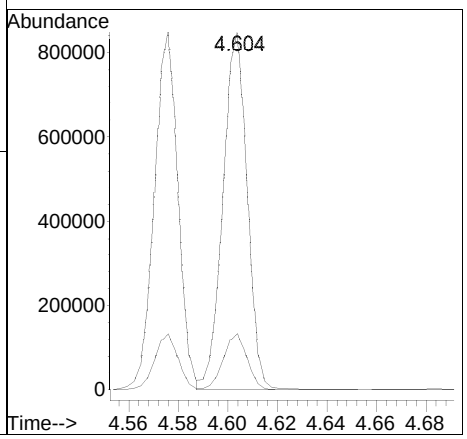


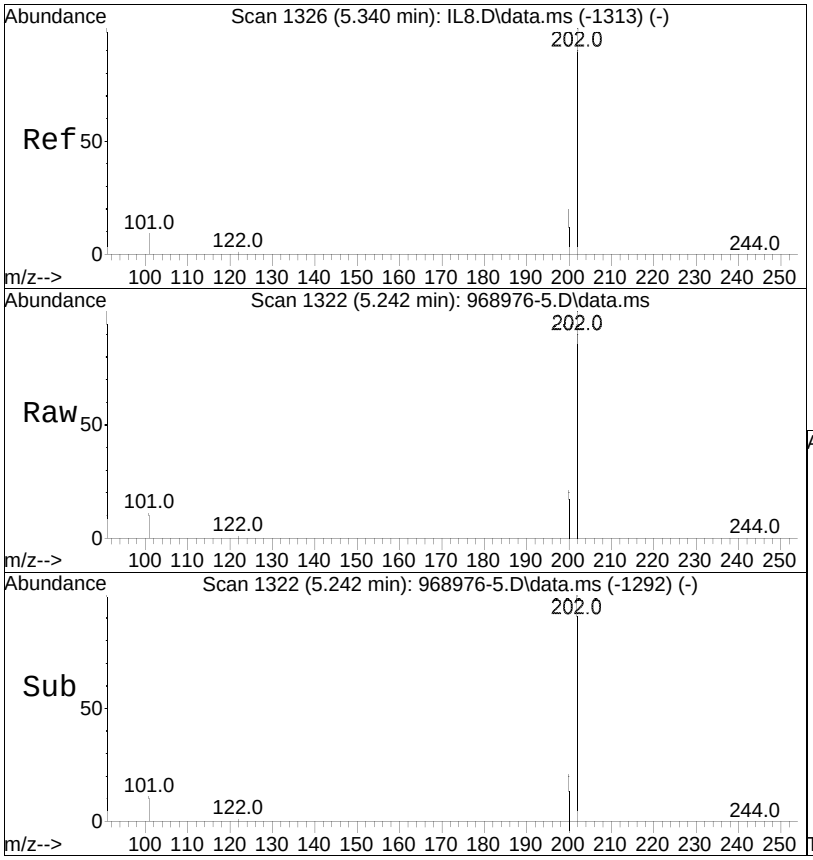


#27
Anthracene
Concen: 1769.34 ng/ml
RT: 4.604 min Scan# 1093
Delta R.T. 0.007 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:178 Resp: 574279

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

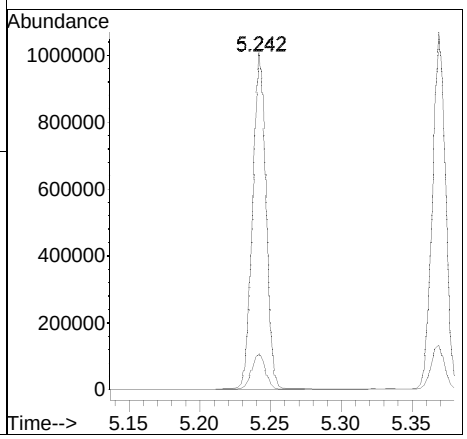


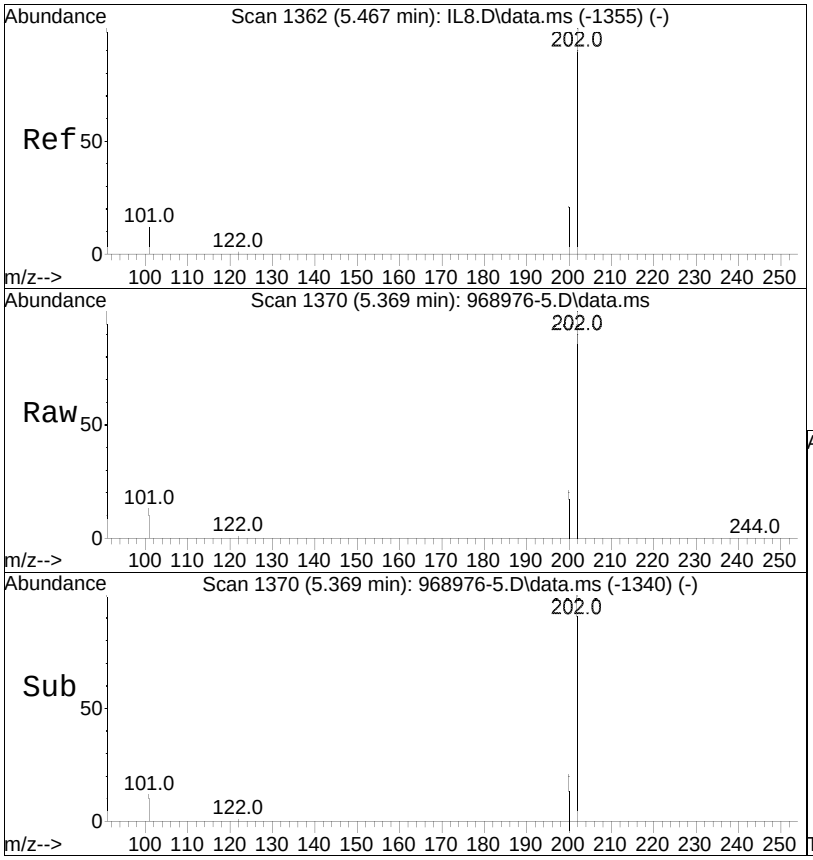


#28
Fluoranthene
Concen: 1850.73 ng/ml
RT: 5.242 min Scan# 1322
Delta R.T. -0.001 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:202 Resp: 672743

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.7	13.1

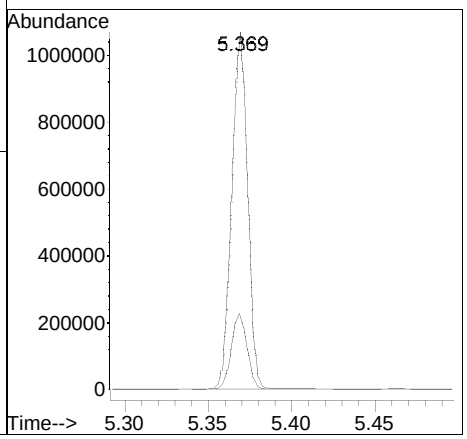


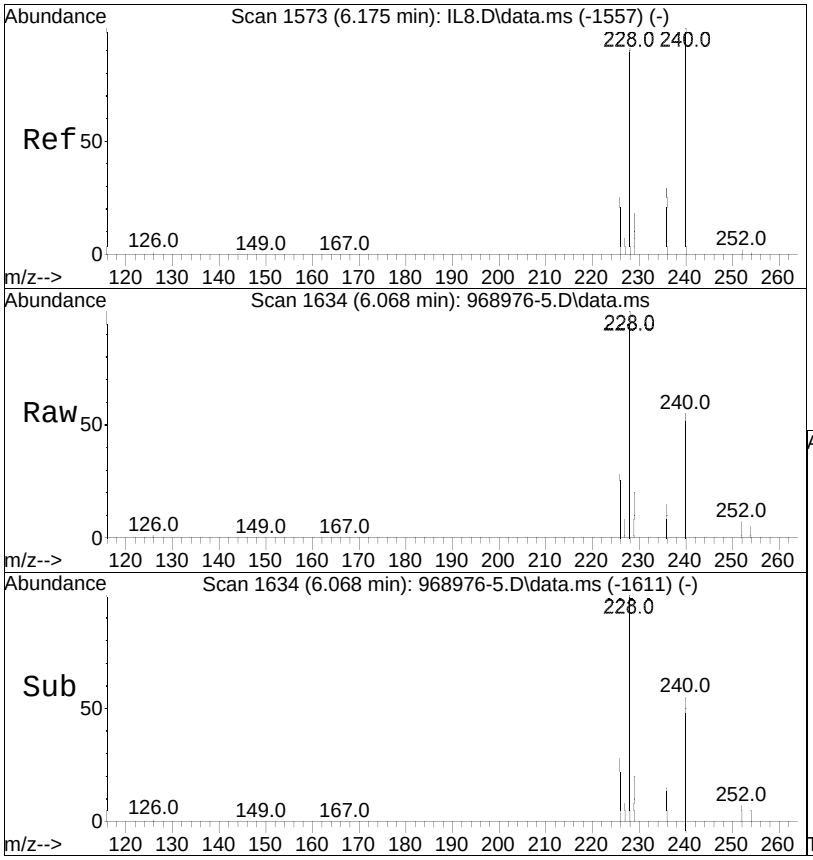


#29
Pyrene
Concen: 1834.03 ng/ml
RT: 5.369 min Scan# 1370
Delta R.T. -0.001 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:202 Resp: 694571

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2

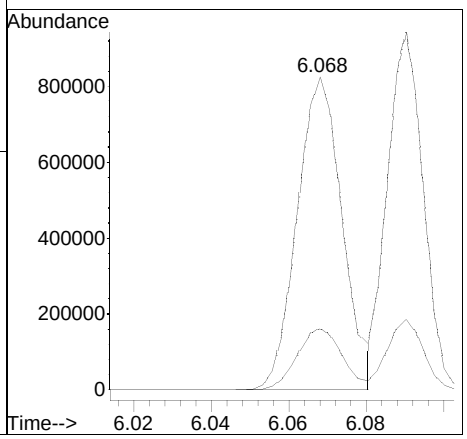


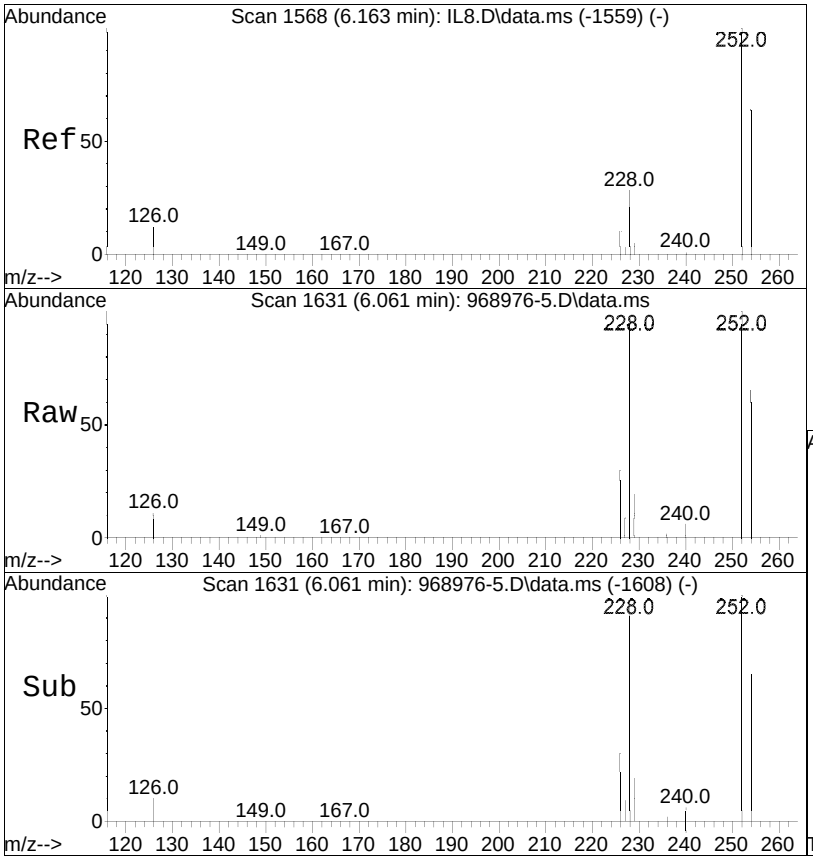


#32
Benzo[a]anthracene
Concen: 1690.18 ng/ml
RT: 6.068 min Scan# 1634
Delta R.T. -0.023 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:228 Resp: 663979

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

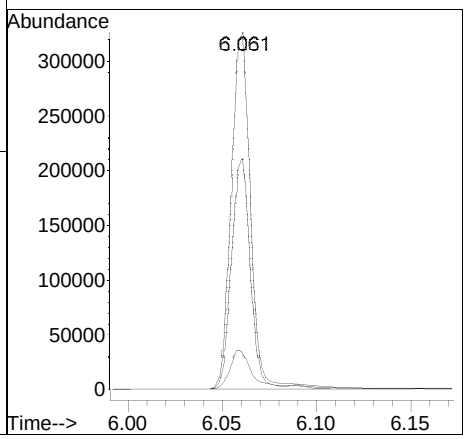


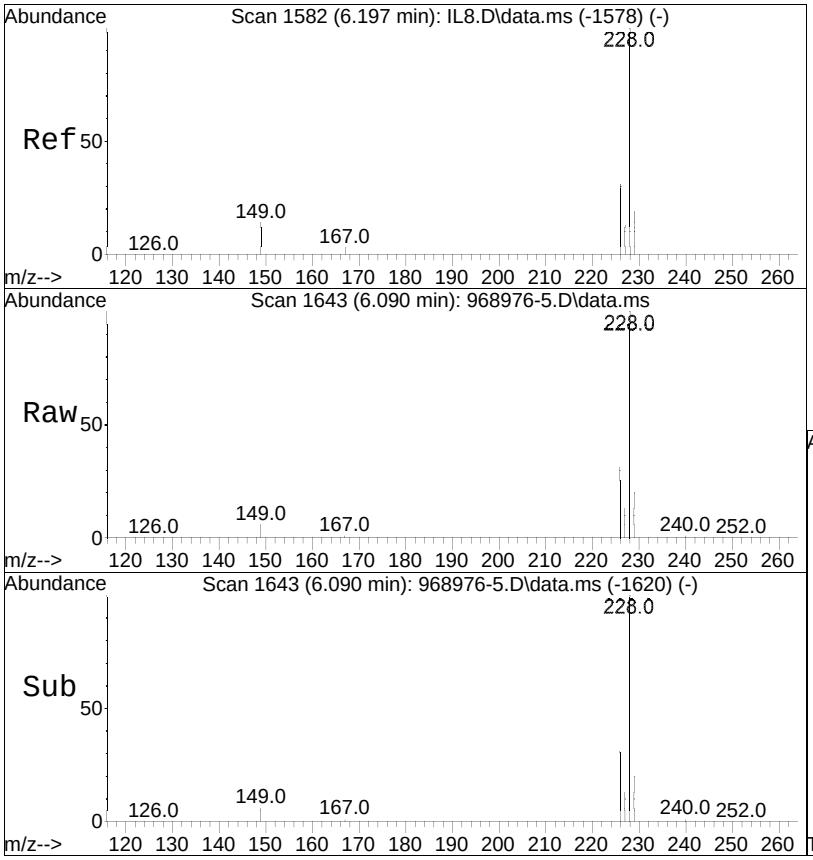


#33
3,3'-Dichlorobenzene
Concen: 1572.53 ng/ml
RT: 6.061 min Scan# 1631
Delta R.T. -0.023 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:252 Resp: 230821

Ion	Ratio	Lower	Upper
252	100		
126	12.4	11.7	17.5
254	64.4	51.4	77.2

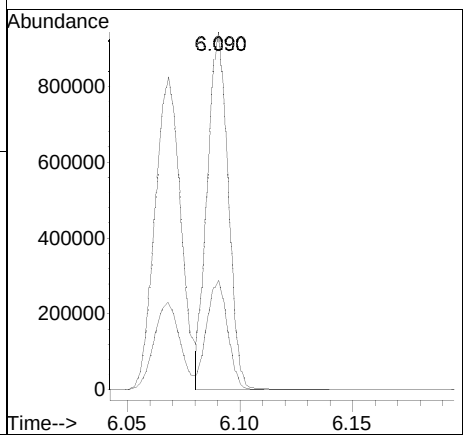


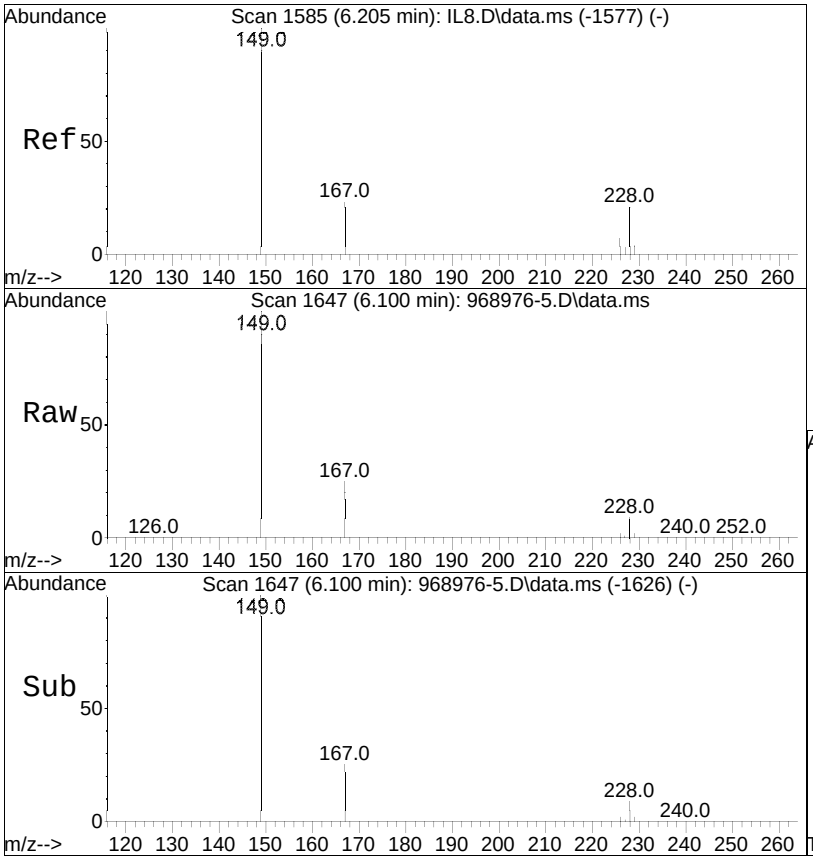


#34
Chrysene
Concen: 1598.87 ng/ml
RT: 6.090 min Scan# 1643
Delta R.T. -0.023 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:228 Resp: 604950

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5

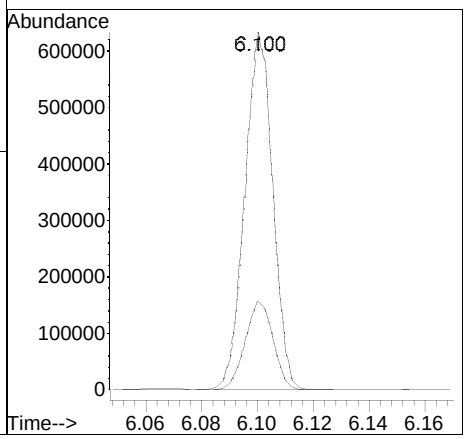


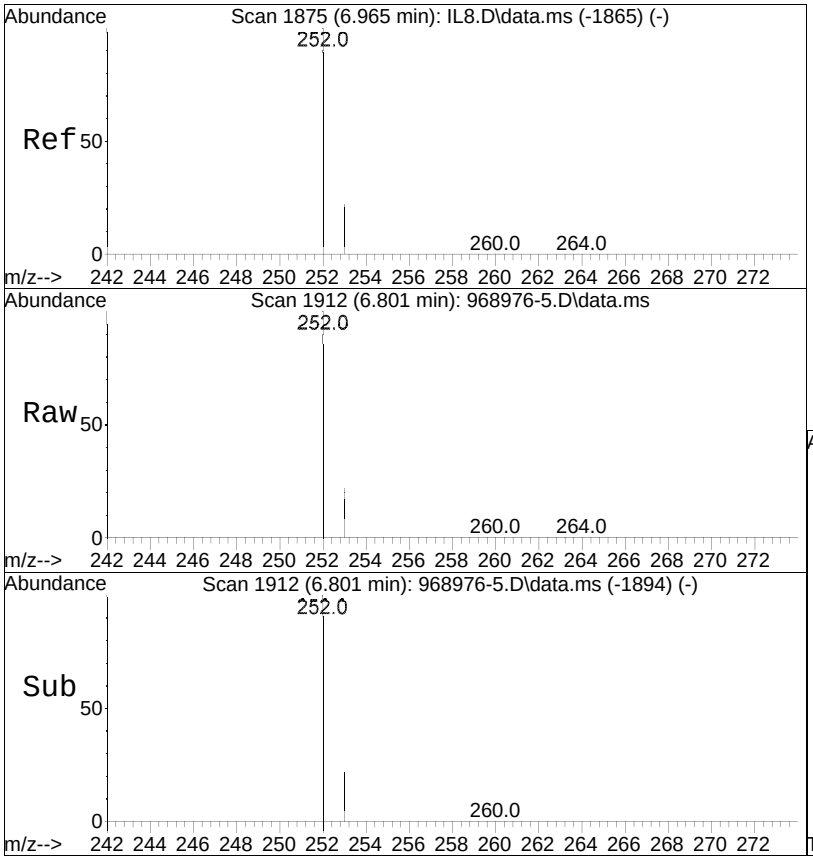


#35
Bis(2-ethylhexyl)phthalate
Concen: 1762.56 ng/ml
RT: 6.100 min Scan# 1647
Delta R.T. -0.028 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:149 Resp: 435822

Ion	Ratio	Lower	Upper
149	100		
167	24.6	18.5	27.7

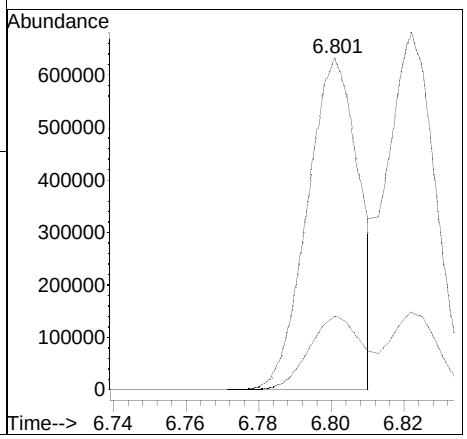


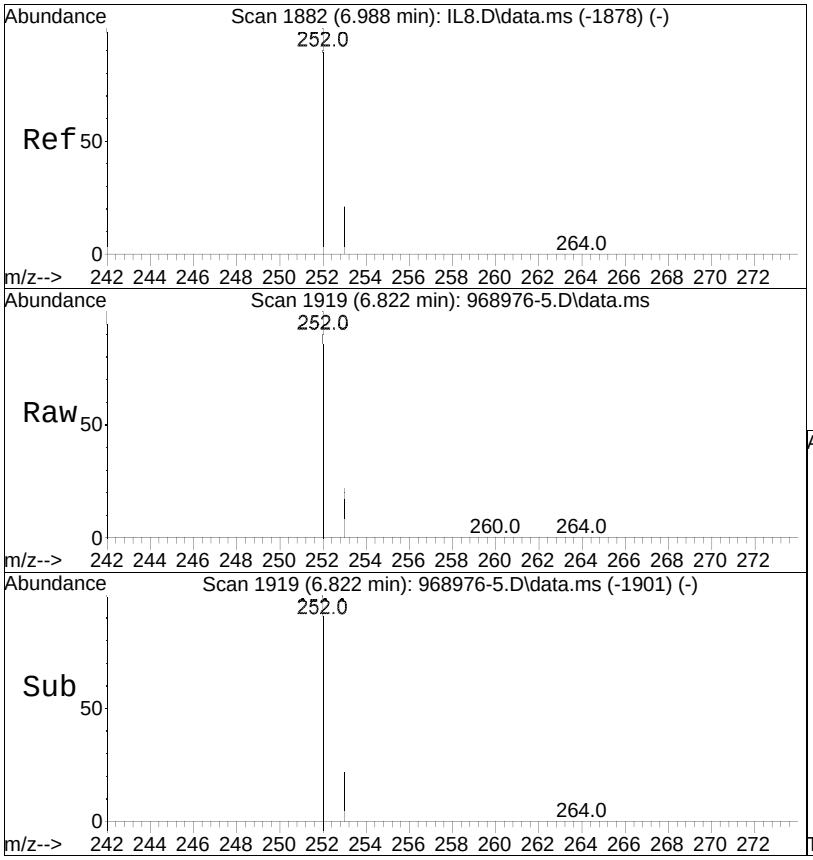


#37
Benzo[b]fluoranthene
Concen: 1763.14 ng/ml
RT: 6.801 min Scan# 1912
Delta R.T. -0.026 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:252 Resp: 625438

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9

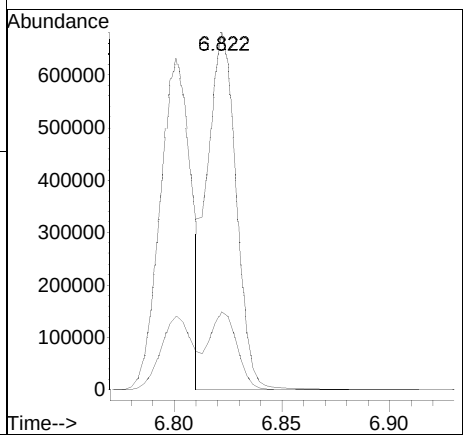


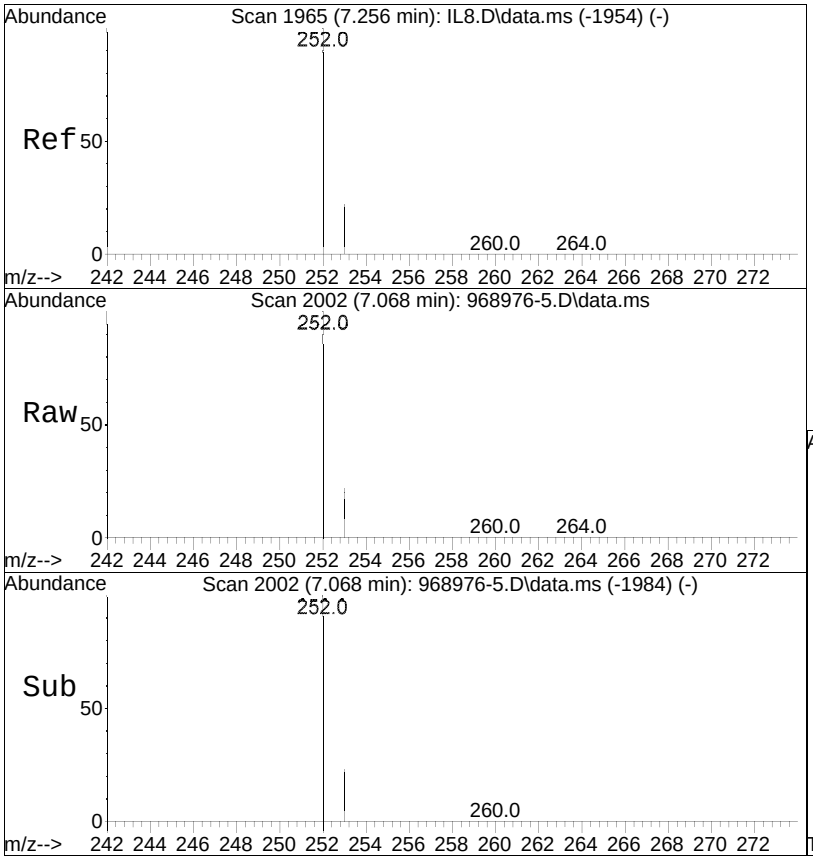


#38
Benzo[k]fluoranthene
Concen: 1886.94 ng/ml
RT: 6.822 min Scan# 1919
Delta R.T. -0.026 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:252 Resp: 630634

Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.6	26.4

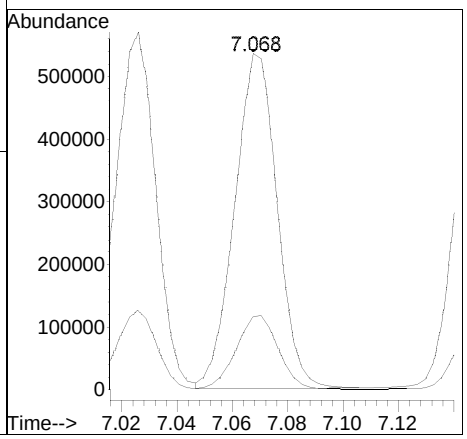


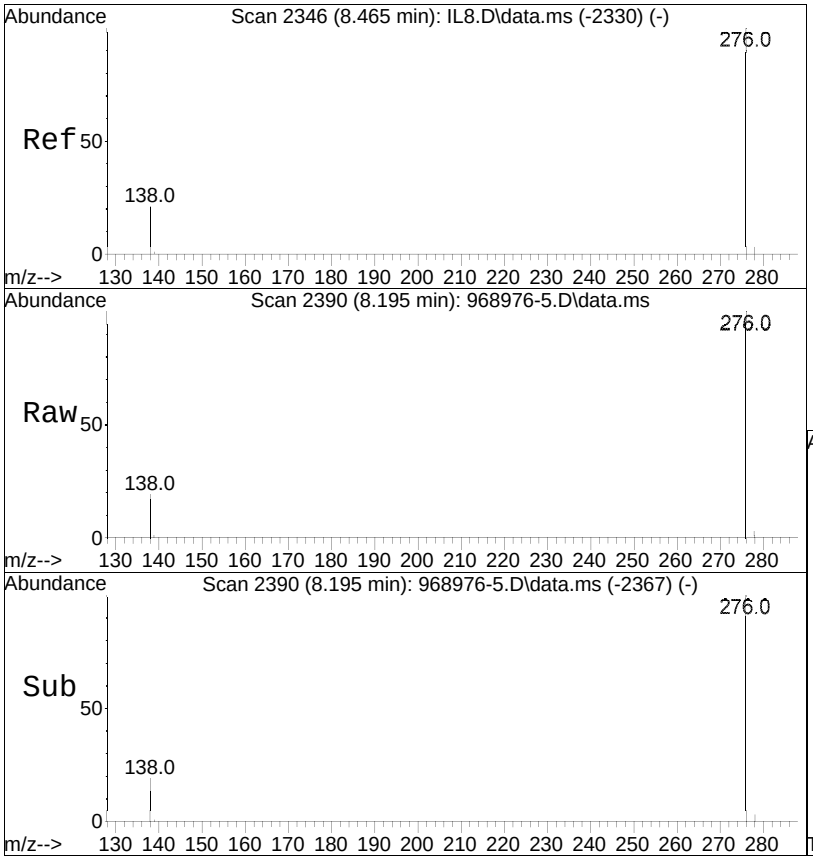


#39
Benzo[a]pyrene
Concen: 2004.31 ng/ml
RT: 7.068 min Scan# 2002
Delta R.T. -0.026 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:252 Resp: 568608

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

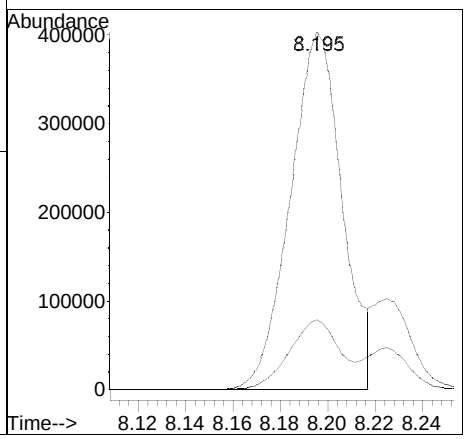


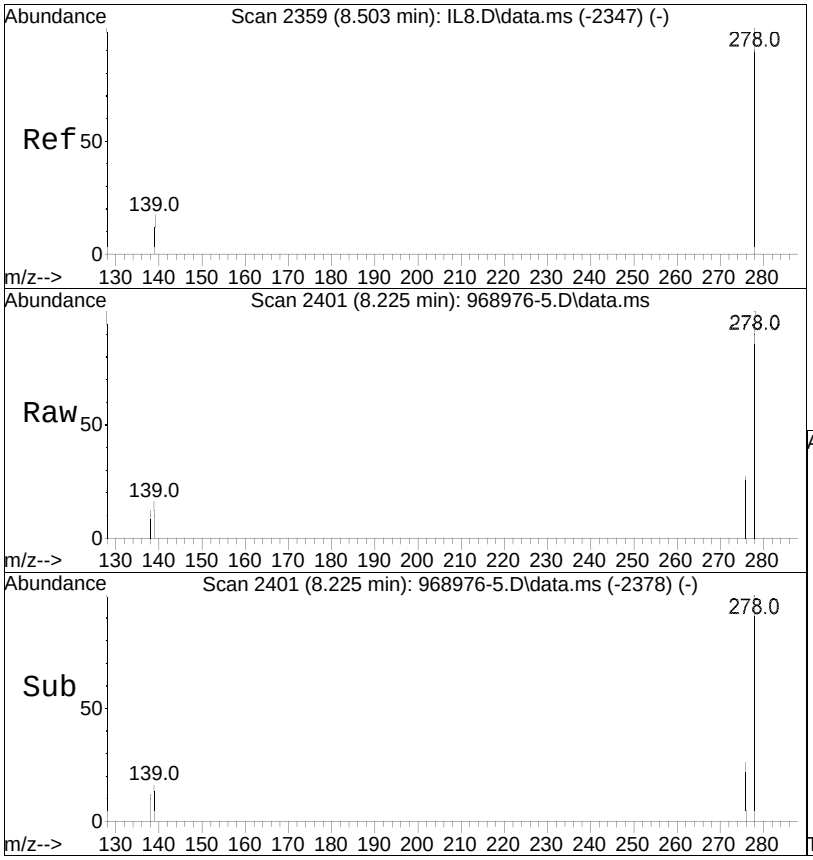


#40
Indeno[1,2,3-cd]pyrene
Concen: 2296.84 ng/ml
RT: 8.195 min Scan# 2390
Delta R.T. -0.018 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:276 Resp: 610577

Ion	Ratio	Lower	Upper
276	100		
138	19.1	17.2	25.8

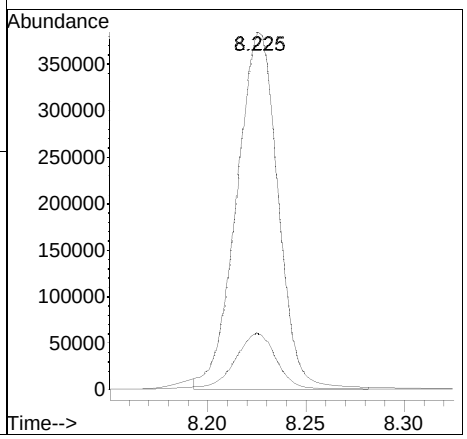


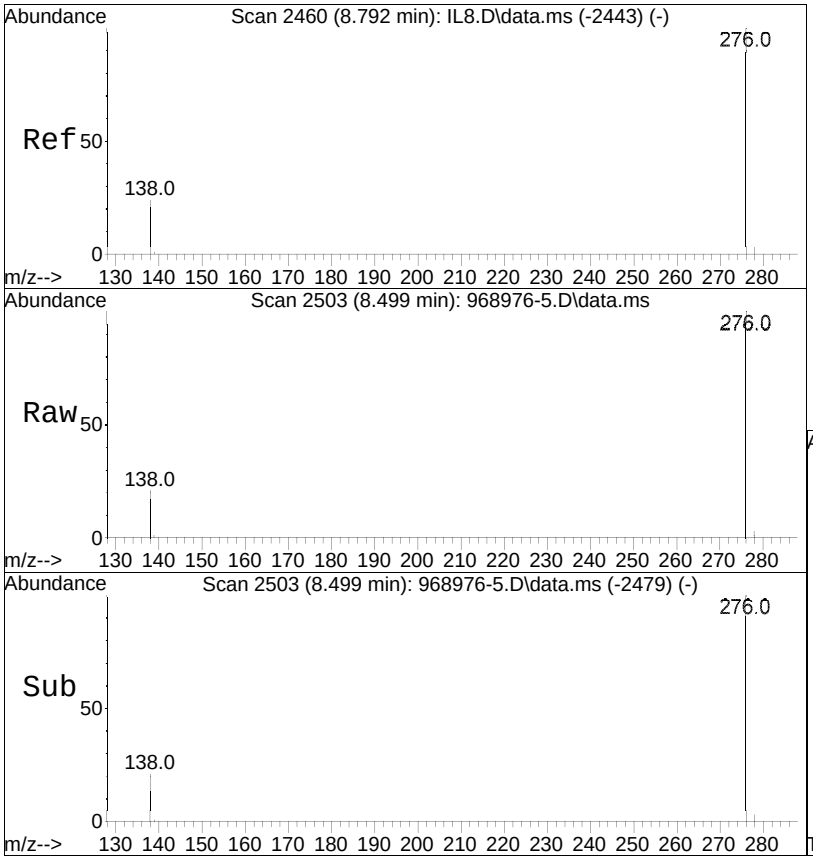


#41
Dibenzo[a,h]anthracene
Concen: 2243.70 ng/ml M6
RT: 8.225 min Scan# 2401
Delta R.T. -0.018 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:278 Resp: 559757

Ion	Ratio	Lower	Upper
278	100		
139	16.0	14.7	22.1

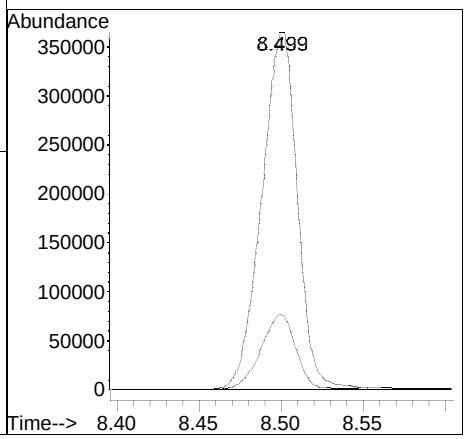




#42
Benzo[g,h,i]perylene
Concen: 2009.81 ng/ml
RT: 8.499 min Scan# 2503
Delta R.T. -0.015 min
Lab File: 968976-5.D
Acq: 10 Sep 2024 10:37 am

Tgt Ion:276 Resp: 546122

Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.0	28.4

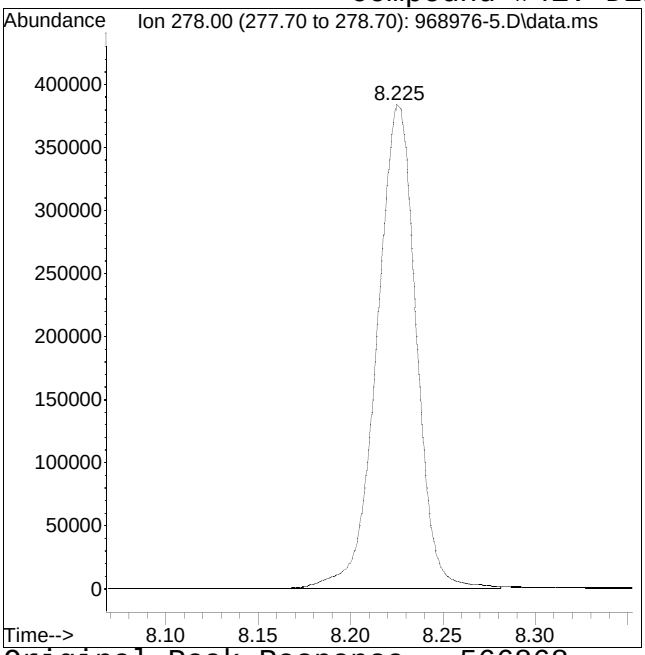


Manual Integration Report

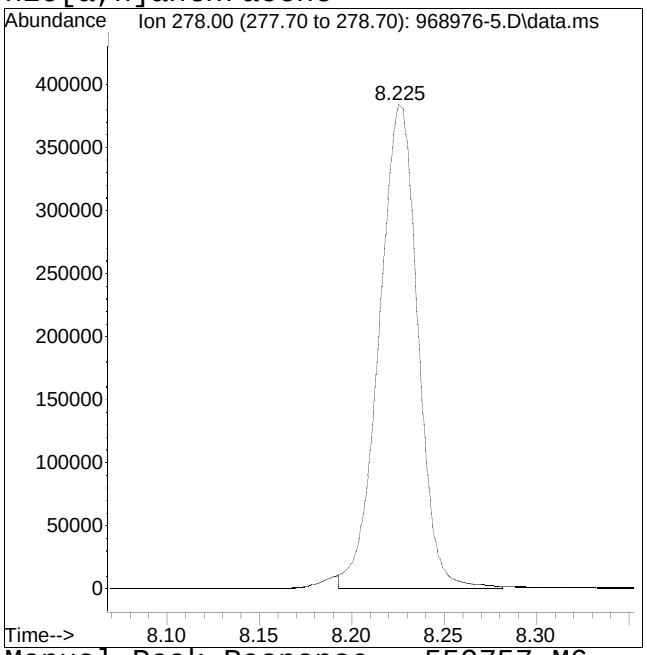
Data Path : I:\8270SIM\sv120\240910RVTQ
Data File : 968976-5.D
Date Inj'd : 9/10/2024 10:37 am
Sample : WG1968976-5,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 9/10/2024 10:51 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 566868



Manual Peak Response = 559757 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 02:05 pm

Work Group: WG1968880 for Department: 2 Organic Preparation

Created: 08-SEP-24 Due: Operator: DLP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450217-01	MW-03	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-02	MW-05R	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-03	MW-07	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450217-05	DUP	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450373-03	AOI5-TRACK4LEAD-FB2-090324	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0910	0911	S0	Amber-A.1
L2450400-08	FB_09042024	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450585-01	PZ-1S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-02	PZ-1D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-03	PZ-2S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450585-04	PZ-2D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450786-01	MW-5A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-02	MW-5B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-03	MW-6A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-04	MW-6B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-05	MW-7A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-06	MW-7B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-07	MW-8A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
WG1968880-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968880-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968880-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968880-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968880-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG1968880-3	WG1968880-2
WG1968880-4	L2450217-04
WG1968880-5	L2450217-04

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 02:05 pm

Work Group: WG1968976 for Department: 2 Organic Preparation

Created: 09-SEP-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450417-01	MW-4A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-02	MW-4B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-03	MW-3A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-04	MW-3B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-06	MW-2A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-07	MW-2B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-08	MW-9A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450417-09	MW-9B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450423-10	TWP-1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0911	S0	Amber-A.1
L2450648-07	B-1GW	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450648-08	B-2GW	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450648-09	B-6GW	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0911	0912	S0	Amber-A.1
L2450741-01	SW-6	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0912	S0	Amber-A.1
L2450786-08	MW-8B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-09	MW-10A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-10	MW-10B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2450786-12	DUP	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0912	0911	S0	Amber-A.1
L2451147-01	UST-UPPER	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0913	0913	3E	Amber-A.1
L2451147-02	UST-LOWER	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0913	0913	3E	Amber-A.1
WG1968976-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968976-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968976-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968976-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1968976-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG1968976-3	WG1968976-2
WG1968976-4	L2450417-06
WG1968976-5	L2450417-06

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\sv119\240621RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1939716,,ical	6/21/2024 2:09 pm
2	L10.D	SIM-RVT.M	IL10,32,, #10462 5000 n	WG1939716,,ical	6/21/2024 2:50 pm
3	L9.D	SIM-RVT.M	IL9,32,, #10755 2500 ng	WG1939716,,ical	6/21/2024 3:06 pm
4	L8.D	SIM-RVT.M	IL8,32,, #10463 1000 ng	WG1939716,,ical	6/21/2024 3:23 pm
5	L7.D	SIM-RVT.M	IL7,32,, #10756 500 ng/	WG1939716,,ical	6/21/2024 3:39 pm
6	L6.D	SIM-RVT.M	IL6,32,, #10465 100 ng/	WG1939716,,ical	6/21/2024 3:55 pm
7	L5.D	SIM-RVT.M	IL5,32,, #10757 40 ng/m	WG1939716,,ical	6/21/2024 4:12 pm
8	L4.D	SIM-RVT.M	IL4,32,, #10468 10 ng/m	WG1939716,,ical	6/21/2024 4:28 pm
9	L3.D	SIM-RVT.M	IL3,32,, #10469 5 ng/ml	WG1939716,,ical	6/21/2024 4:44 pm
10	L2.D	SIM-RVT.M	IL2,32,, #10758 2 ng/ml	WG1939716,,ical	6/21/2024 5:01 pm
11	L1.D	SIM-RVT.M	IL1,32,, #10759 1 ng/ml	WG1939716,,ical	6/21/2024 5:17 pm
12	ICV.D	SIM-RVT.M	CQICV,32,, #10475 1000	WG1939716,,ical	6/21/2024 5:33 pm
13	instblk.D	SIM-RVT.M			6/21/2024 5:50 pm

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\sv120\240728RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1955532,,ical	7/28/2024 4:34 pm
2	IL10.D	fast-SIM-RVT	IL10,32,,5000.0ng/mL lo	WG1955532,,ical	7/28/2024 4:50 pm
3	IL9.D	fast-SIM-RVT	IL9,32,,2500.0ng/mL lot	WG1955532,,ical	7/28/2024 5:07 pm
4	IL8.D	fast-SIM-RVT	IL8,32,,1000.0ng/mL lot	WG1955532,,ical	7/28/2024 5:23 pm
5	IL7.D	fast-SIM-RVT	IL7,32,,500.0ng/mL lot#	WG1955532,,ical	7/28/2024 5:39 pm
6	IL6.D	fast-SIM-RVT	IL6,32,,100.0ng/mL lot#	WG1955532,,ical	7/28/2024 5:55 pm
7	IL5.D	fast-SIM-RVT	IL5,32,,40.0ng/mL lot#	WG1955532,,ical	7/28/2024 6:11 pm
8	IL4.D	fast-SIM-RVT	IL4,32,,10.0ng/mL lot#1	WG1955532,,ical	7/28/2024 6:27 pm
9	IL3.D	fast-SIM-RVT	IL3,32,,5.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 6:43 pm
10	IL2.D	fast-SIM-RVT	IL2,32,,2.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 6:59 pm
11	IL1.D	fast-SIM-RVT	IL1,32,,1.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 7:15 pm
12	ICV.D	fast-SIM-RVT	CQICV,32,,1000.0ng/mL l	WG1955532,,ical	7/28/2024 7:31 pm
13	insblk.D	fast-SIM-RVT			7/28/2024 7:47 pm

Dep.: GCMS
Inst: SV119
Date: **09/10/24**
Run:

Method
GC: SIM RVT

Seq: WG1969638
ICAL: 21236

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0910	wg-1,32,,dftpp SV119 lot# 10993				09/10 JJW
49	ccv0910	wg-3,32,,ICV 10884 (0825a)	full list			09/10 JJW
50	blank0910	instrument blank				
1	968880-1	WG1968880-1,32,,kmh				09/10 JJW
2	968880-2	WG1968880-2,32,,kmh				09/10 JJW
3	968880-3	WG1968880-3,32,,kmh				09/10 JJW
4	968880-4	WG1968880-4,32,,kmh				
5	968880-5	WG1968880-5,32,,kmh				
6	50217-01	L2450217-01,32,,kmh				09/10 JJW
7	50217-02	L2450217-02,32,,kmh				09/10 JJW
8	50217-03	L2450217-03,32,,kmh				09/10 JJW
9	50217-04	L2450217-04,32,,kmh	RX - no surrs			
10	50217-05	L2450217-05,32,,kmh				09/10 JJW
11	49687-01	L2449687-01d,32,5,kmh				09/10 JJW
12	2662-103	L2422662-103,32,,RR,kmh				
13	50805-14	L2450805-14,32,,R3E,RR,kmh				09/10 JJW
14	50373-03	L2450373-03,32,,kmh				09/10 JJW
15	50400-08	L2450400-08,32,,kmh				09/10 JJW
16	50786-01	L2450786-01,32,,kmh				09/10 JJW
17	50786-02	L2450786-02,32,,kmh				09/10 JJW
18	50786-03	L2450786-03,32,,kmh				09/10 JJW
19	50786-04	L2450786-04,32,,kmh				09/10 JJW
20	50786-05	L2450786-05,32,,kmh				09/10 JJW
21	50786-06	L2450786-06,32,,kmh				09/10 JJW
22	50786-07	L2450786-07,32,,kmh				09/10 JJW
23	969458-2	WG1969458-2,32,,kmh			kmh	09/10 JJW
24	51137-05	L2451137-05,32,,R1C,RV,rp				09/10 RAP
25	969458-3	WG1969458-3,32,,kmh				09/10 JJW
26	969458-1	WG1969458-1,32,,kmh				09/10 JJW
27	51445-01	L2451445-01,32,,R3A,kmh				09/10 RAP
28	51445-02	L2451445-02,32,,R3A,kmh				09/10 RAP
29	50388-08	L2450388-08,32,,R1C,RV,rp	RX - FB hit confirmed			09/10 RAP
30	51445-03	L2451445-03,32,,R3A,kmh			SV-JJW	09/10 RAP
31	51445-04	L2451445-04,32,,R3A,kmh				09/10 RAP
32	51445-05	L2451445-05,32,,R3A,kmh				09/10 RAP
33	51445-06	L2451445-06,32,,R3A,kmh				09/10 RAP
34	51445-07	L2451445-07,32,,R3A,kmh			Sv-mrg	09/10 RAP
35	50741-01	L2450741-01,32,,kmh				09/11 RAP
36	50829-01	L2450829-01,32,,kmh				09/11 RAP
37	50829-02	L2450829-02,32,,kmh				09/11 RAP
38	50829-04	L2450829-04,32,,kmh				09/11 RAP
39	50829-06	L2450829-06,32,,kmh				09/11 RAP
40	50818-02	L2450818-02,32,,kmh	RR - OTT		RAP	
					Sv-hny	

Dep.: GCMS
Inst: SV120
Date: **09/10/24**
Run:

Method
GC: SIM RVT

Seq: WG1969644
ICAL: 21368

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0910	wg-1,32,, dftpp SV120 lot#10993				09/10 RAP
49	ccv0910	wg-3,32,,ICV 10884 (0825a)	4,6-DNT, indeno, dibenzo high			09/11 JJW
49	ccv0910a	wg-3,32,,ICV 10884 (0825a)				
50	blk0910	instrument Blank				
1	968976-1	WG1968976-1,32,,kmh				09/11 JJW
2	968976-2	WG1968976-2,32,,kmh				09/11 JJW
3	968976-3	WG1968976-3,32,,kmh				09/11 JJW
4	968976-4	WG1968976-4,32,,kmh				09/11 JJW
5	968976-5	WG1968976-5,32,,kmh				09/11 JJW
6	50417-01	L2450417-01,32,,kmh				09/11 JJW
7	50417-02	L2450417-02,32,,kmh				09/11 JJW
8	50417-03	L2450417-03,32,,kmh				09/11 JJW
9	50417-04	L2450417-04,32,,kmh				09/11 JJW
10	50417-06	L2450417-06,32,,kmh				09/11 JJW
11	50417-07	L2450417-07,32,,kmh				09/11 JJW
12	50417-08	L2450417-08,32,,kmh				09/11 JJW
13	50417-09	L2450417-09,32,,kmh				09/11 JJW
14	50423-10	L2450423-10,32,,kmh				09/11 JJW
15	50648-07	L2450648-07,32,,kmh				09/11 JJW
16	50648-08	L2450648-08,32,,kmh				09/11 JJW
17	50648-09	L2450648-09,32,,kmh				
18	50786-08	L2450786-08,32,,kmh				09/11 JJW
19	50786-09	L2450786-09,32,,kmh				09/11 JJW
20	50786-10	L2450786-10,32,,kmh				09/11 JJW
21	50786-12	L2450786-12,32,,kmh				09/11 JJW
22	51147-01	L2451147-01,32,,R3E,kmh				
23	51147-02	L2451147-02,32,,R3E,kmh				
24	50585-01	L2450585-01,32,,kmh				09/11 JJW
25	50585-02	L2450585-02,32,,kmh				
26	50585-03	L2450585-03,32,,kmh				09/11 JJW
27	50585-04	L2450585-04,32,,kmh			kmh	09/11 JJW
28	968817-2	WG1968817-2,32,,jjw				09/11 JJW
29	968817-3	WG1968817-3,32,,jjw				09/11 JJW
30	968817-1	WG1968817-1,32,,jjw				09/11 JJW
31	50585-05	L2450585-05,32,,kmh				
32	50585-06	L2450585-06,32,,kmh				
33	50823-01	L2450823-01,32,,kmh				09/11 JJW
34	50823-02	L2450823-02,32,,kmh				09/11 JJW
35	50823-03	L2450823-03,32,,kmh				09/11 JJW
36	49273-01	L2449273-01,32,,kmh				09/11 JJW
37	49273-02	L2449273-02,32,,kmh			SV-RAP	
38	49273-03	L2449273-03,32,,kmh				09/11 JJW
39	49273-04	L2449273-04,32,,kmh				
40	49273-05	L2449273-05,32,,kmh			JJW	

Dep.: GCMS
Inst: SV120
Date: **09/10/24**
Run:

Method
GC: SIM RVT

Seq: WG1969644
ICAL: 21368

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
					Sv-hny	

ORGANIC ELN REPORT

Workgroup: WG1968880

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: DLP
Lims Spikelot: 8270-RVT

Lot #: ej049
Lot #: 02/19/2025, 10986-AD
Lot #: 10948aa,02032025,410949al,0

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH082824

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ej049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450217-01 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-02 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-03 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450217-04	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450217-05 WATER	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450373-03 SAMP	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K
L2450400-08 SAMP	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:53	Victor Kono	1	K

Reported: 18-OCT-24 02:05 PM

ORGANIC ELN REPORT

Workgroup: WG1968880

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450585-01 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-02 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-03 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-04 WATER	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-05	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450585-06	09/09/24 08:00	Dayle Parsons	100	<2,>12	.1		09/09/24 12:46 **OBC**	Grace Tran	1	K
L2450786-01 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-02 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-03 SAMP	09/08/24 11:33	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-04 SAMP	09/08/24 14:25	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K

Reported: 18-OCT-24 02:05 PM

ORGANIC ELN REPORT

Workgroup: WG1968880

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450786-05 SAMP	09/08/24 14:25	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-06 SAMP	09/08/24 14:25	Nicholas Dunn	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
L2450786-07 SAMP	09/08/24 14:25	Nicholas Dunn	100	<2,>12	.1		09/08/24 16:01	Victor Kono	1	K
WG1968880-1 BLANK	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1		09/08/24 15:41	Victor Kono	1	K
	WG1968879, WG1968880									
WG1968880-2 LCS	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968880-3 LCSD	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968880-4 MS	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K
WG1968880-5 MSD	09/08/24 11:33	Dayle Parsons	100	<2,>12	.1	.1	09/08/24 15:41	Victor Kono	1	K

ORGANIC ELN REPORT

Workgroup: WG1968976

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: ABN **Lot #:** 10986-AM[02/19/25]
Spike Type: ABN-SIM **Lot #:** 10737-AD[10/31/24]; 10949-AC
Spike Verify by: ARP/DLP
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH082824

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450417-01 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-02 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-03 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-04 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-06 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-07 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K
L2450417-08 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 OBC	Grace Tran	1	K

Reported: 18-OCT-24 02:05 PM

ORGANIC ELN REPORT

Workgroup: WG1968976

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450417-09 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450423-10 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-07 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-08 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450648-09 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450741-01 WATER	09/09/24 08:00 **02/19/2025, 10986-AD**	Dayle Parsons	100	<2, >12	.1		09/09/24 10:14	Grace Tran	1	K
L2450786-08 SAMP	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-09 SAMP	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-10 SAMP	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2450786-12 SAMP	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K

Reported: 18-OCT-24 02:05 PM

ORGANIC ELN REPORT

Workgroup: WG1968976

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2451147-01 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
L2451147-02 WATER	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968976-1 BLANK	09/09/24 00:41 **WG1968975**	Amanda Patterson	100	<2, >12	.1		09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968976-2 LCS	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968976-3 LCSD	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968976-4 MS	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K
WG1968976-5 MSD	09/09/24 00:41	Amanda Patterson	100	<2, >12	.1	.1	09/09/24 10:14 **OBC**	Grace Tran	1	K

GCMS Extractables 1,4-Dioxane By SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
MW-6A (L2450786-03)	31	--	--	--	--	--	0
MW-8A (L2450786-07)	44	--	--	--	--	--	0
MW-10A (L2450786-09)	33	--	--	--	--	--	0
WG1969041-1BLANK	38	--	--	--	--	--	0
WG1969041-2LCS	32	--	--	--	--	--	0
WG1969041-3LCSD	39	--	--	--	--	--	0

QC LIMITS
(15-110) S1 = 1,4-DIOXANE-D8

*** Values outside of QC limits**

FORM II A2-1,4-DIOXANE-SIM

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1969041-2	**Analysis Date** : 09/09/24 22:10	**File ID** : F609092430
LCSD Sample ID	: WG1969041-3	**Analysis Date** : 09/09/24 22:34	**File ID** : F609092431

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	5000	5470	109	5000	5540	111	2	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1969041-1	**Lab File ID**	: F609092429
Instrument ID	: GCMS6	**Extraction Date**	: 09/09/24
Matrix	: WATER	**Analysis Date**	: 09/09/24 21:45
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1969041-2LCS	WG1969041-2	09/09/24 22:10
WG1969041-3LCSD	WG1969041-3	09/09/24 22:34
MW-6A	L2450786-03	09/10/24 05:24
MW-8A	L2450786-07	09/10/24 05:48
MW-10A	L2450786-09	09/10/24 06:13

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GCMS6	**Analysis Date**	: 07/29/24 08:40
Tune Standard	: R1858067-1	**Tune File ID**	: F607292401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	23.2
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	40.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.8
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	16.4
442	Base Peak, or >50% of mass 198	80.2
443	15.0 - 24.0% of mass 442	15.1 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R1858067-2	F607292402	07/29/24 09:17
STD 50	R1858067-3	F607292403	07/29/24 09:40
STD100	R1858067-5	F607292404	07/29/24 10:01
STD 500	R1858067-4	F607292405	07/29/24 10:23
STD 1000	R1858067-6	F607292406	07/29/24 10:45
STD 5000	R1858067-7	F607292407	07/29/24 11:07
STD 10000	R1858067-8	F607292408	07/29/24 11:29
ICV QUANT REPORT	R1858067-9	F607292409	07/29/24 11:50

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GCMS6	**Analysis Date**	: 09/09/24 20:41
Tune Standard	: WG1969166-3	**Tune File ID**	: F609092427_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	26
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	41.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	31.5
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	15.9
442	Base Peak, or >50% of mass 198	84.4
443	15.0 - 24.0% of mass 442	15.9 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1969166-4CCAL	WG1969166-4	F609092428	09/09/24 21:20
WG1969041-1BLANK	WG1969041-1	F609092429	09/09/24 21:45
WG1969041-2LCS	WG1969041-2	F609092430	09/09/24 22:10
WG1969041-3LCSD	WG1969041-3	F609092431	09/09/24 22:34
MW-6A	L2450786-03	F609092448	09/10/24 05:24
MW-8A	L2450786-07	F609092449	09/10/24 05:48
MW-10A	L2450786-09	F609092450	09/10/24 06:13

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: GCMS6	**Analysis Date**	: 09/09/24 21:20:00
Sample No	: WG1969166-4	**Lab File ID**	: F609092428

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1969166-4	137564	8.63				
Upper Limit	275128	9.13				
Lower Limit	68782	8.13				
Sample ID						
WG1969041-1 BLANK	154033	8.63				
WG1969041-2 LCS	150135	8.63				
WG1969041-3 LCSD	156454	8.63				
MW-6A	167809	8.63				
MW-8A	160709	8.63				
MW-10A	156264	8.63				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12115-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	150	33.9	ng/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ng/l								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12118-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	8	2.04	ug/kg	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/kg								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:24
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F609092448	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 05:48
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F609092449	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 06:13
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F609092450	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1969041-1	**Date Collected**	: NA
Client ID	: WG1969041-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/09/24 21:45
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F609092429	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092448.D
Acq On : 10 Sep 2024 5:24 am
Operator : GCMS6:GRS
Sample : l2450786-03,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 11 12:00:32 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.950	64	16293	500.000	ng/mL	0.02
3) 1,4-Dichlorobenzene-d4	8.633	152	167809	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.950	64	16293	152.891	ng/mL	0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 30.58%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

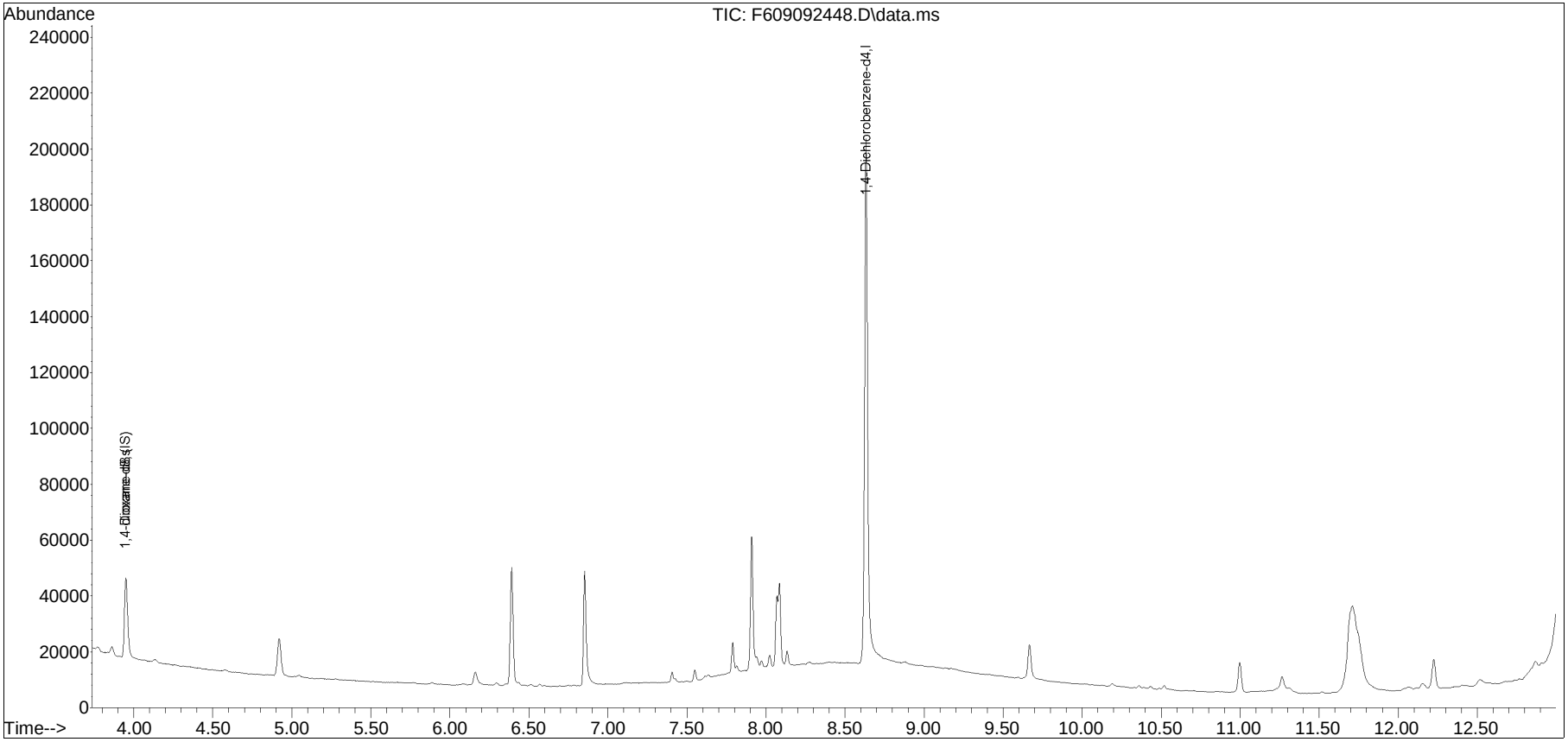
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092448.D
Acq On : 10 Sep 2024 5:24 am
Operator : GCMS6:GRS
Sample : l2450786-03,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Sep 11 12:00:32 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092448.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/10/2024 5:24 am	Instrument	: GCMS 6
Sample	: l2450786-03,32,,	Quant Date	: 9/11/2024 11:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092449.D
Acq On : 10 Sep 2024 5:48 am
Operator : GCMS6:GRS
Sample : l2450786-07,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 11 12:00:37 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.952	64	22381	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	8.627	152	160709	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.952	64	22381	219.299	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 43.86%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

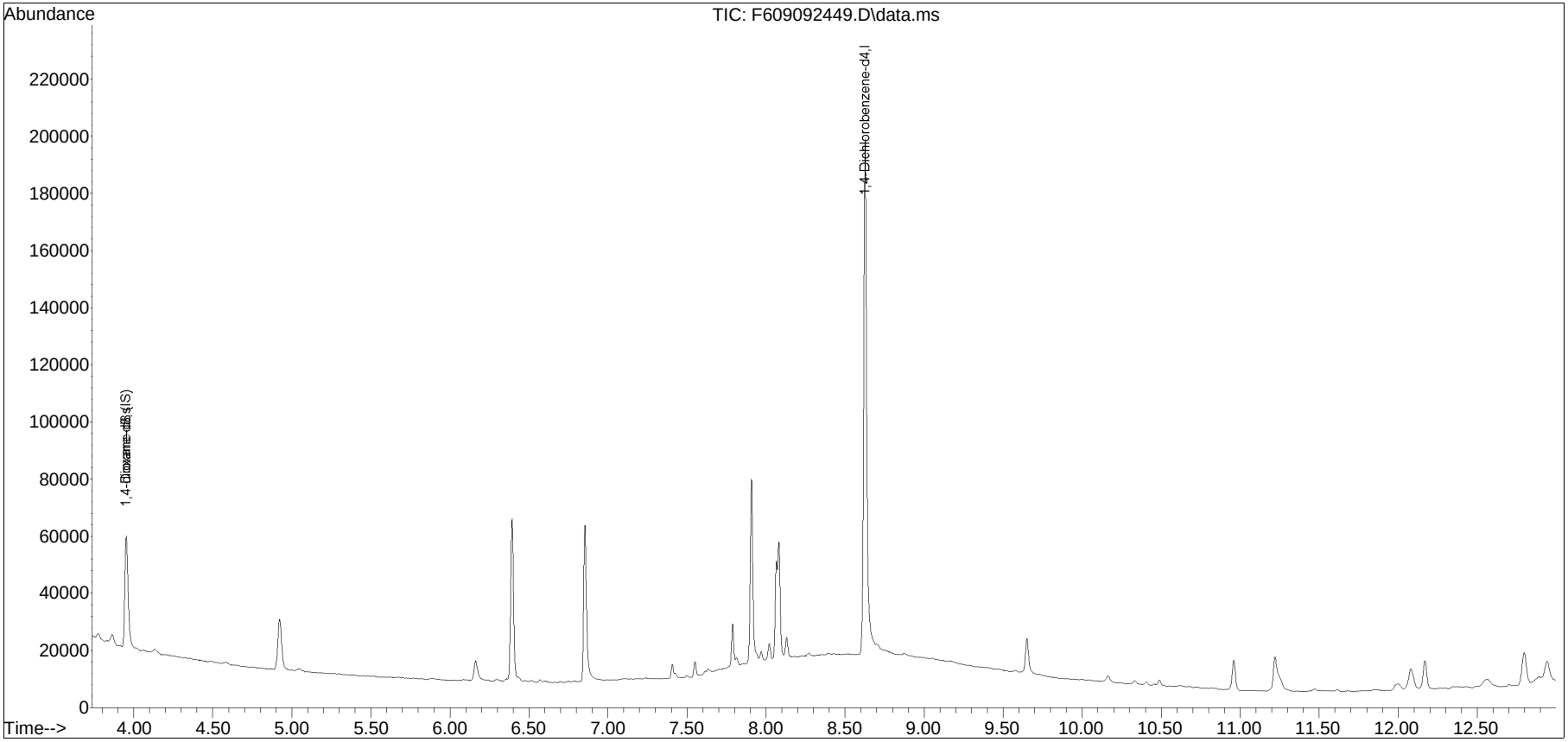
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092449.D
Acq On : 10 Sep 2024 5:48 am
Operator : GCMS6:GRS
Sample : l2450786-07,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Sep 11 12:00:37 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092449.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/10/2024 5:48 am	Instrument	: GCMS 6
Sample	: l2450786-07,32,,	Quant Date	: 9/11/2024 11:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092450.D
Acq On : 10 Sep 2024 6:13 am
Operator : GCMS6:GRS
Sample : l2450786-09,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 11 12:00:42 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.947	64	16361	500.000	ng/mL	0.02
3) 1,4-Dichlorobenzene-d4	8.633	152	156264	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.947	64	16361	164.872	ng/mL	0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 32.97%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

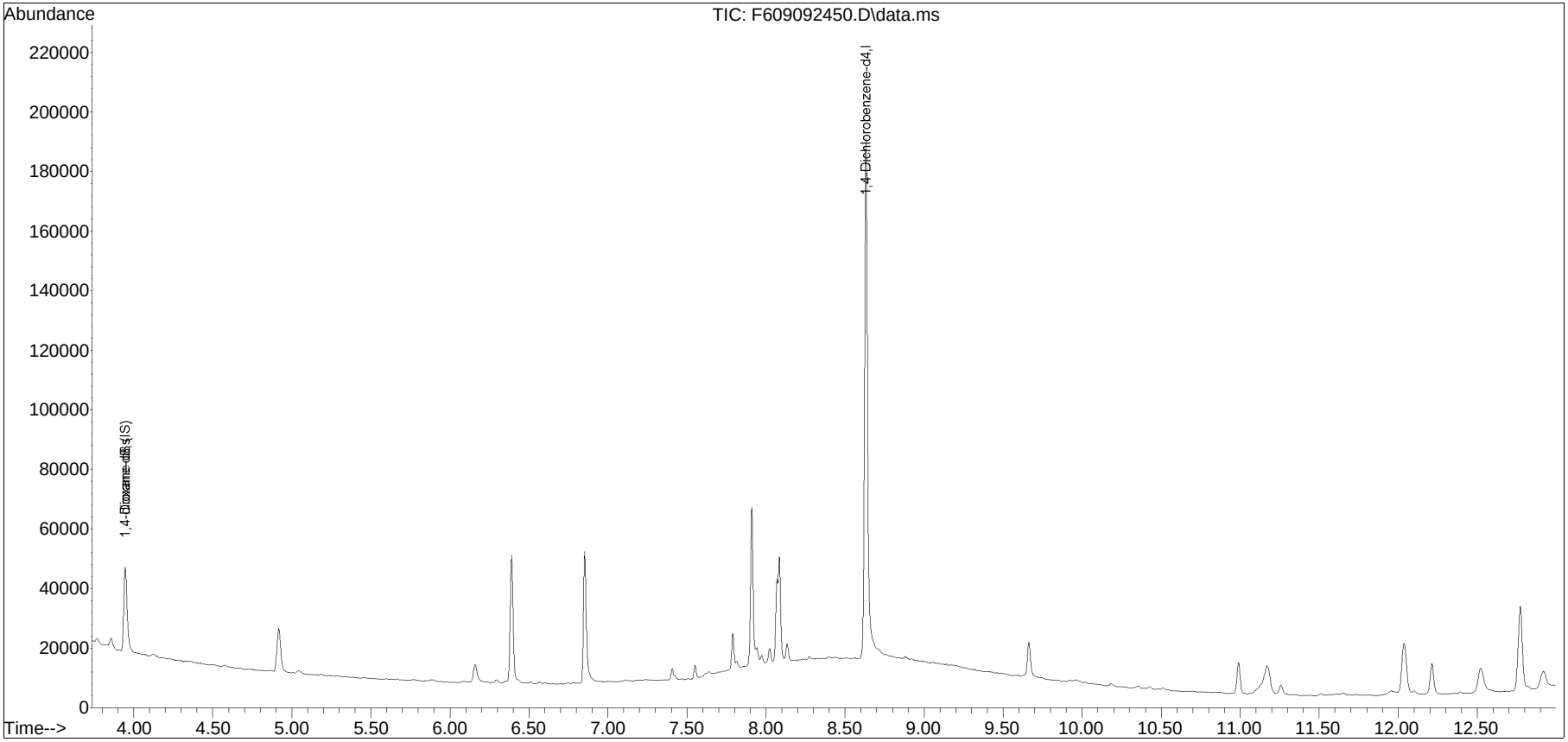
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092450.D
Acq On : 10 Sep 2024 6:13 am
Operator : GCMS6:GRS
Sample : l2450786-09,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Sep 11 12:00:42 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092450.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/10/2024 6:13 am	Instrument	: GCMS 6
Sample	: l2450786-09,32,,	Quant Date	: 9/11/2024 11:23 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: GCMS6**	**Ical Ref**	**: ICAL21343**
Calibration dates	**: 07/29/24 09:17 07/29/24 11:29**		

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

Response Factor Report GCMS 6

Method Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Method File : 14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024
Response Via : Initial Calibration

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

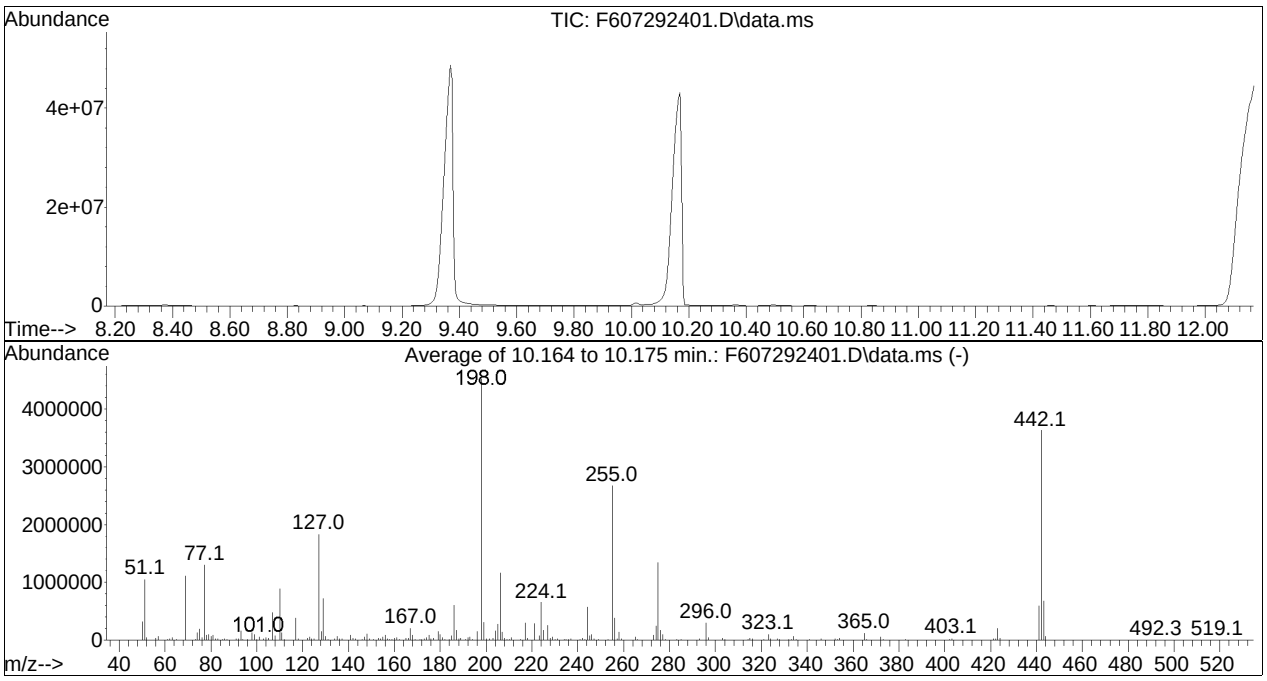
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

(#) = Out of Range

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292401.D
Acq On : 29 Jul 2024 8:40 am
Operator : GCMS6:CSP
Sample : T607292401
Misc : WG1952684,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024



Spectrum Information: Average of 10.164 to 10.175 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.2	1052280	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	5260	PASS
127	198	10	80	40.5	1834379	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	4526272	PASS
199	198	5	9	6.7	301864	PASS
275	198	10	60	29.8	1348584	PASS
365	198	1	100	2.7	122733	PASS
441	442	0.01	24	16.4	594690	PASS
442	198	50	100	80.2	3629008	PASS
443	442	15	24	18.8	681507	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	43735	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143395	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	43735	480.277	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 96.06%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.413	88	1511M2	11.064	ng/mL	

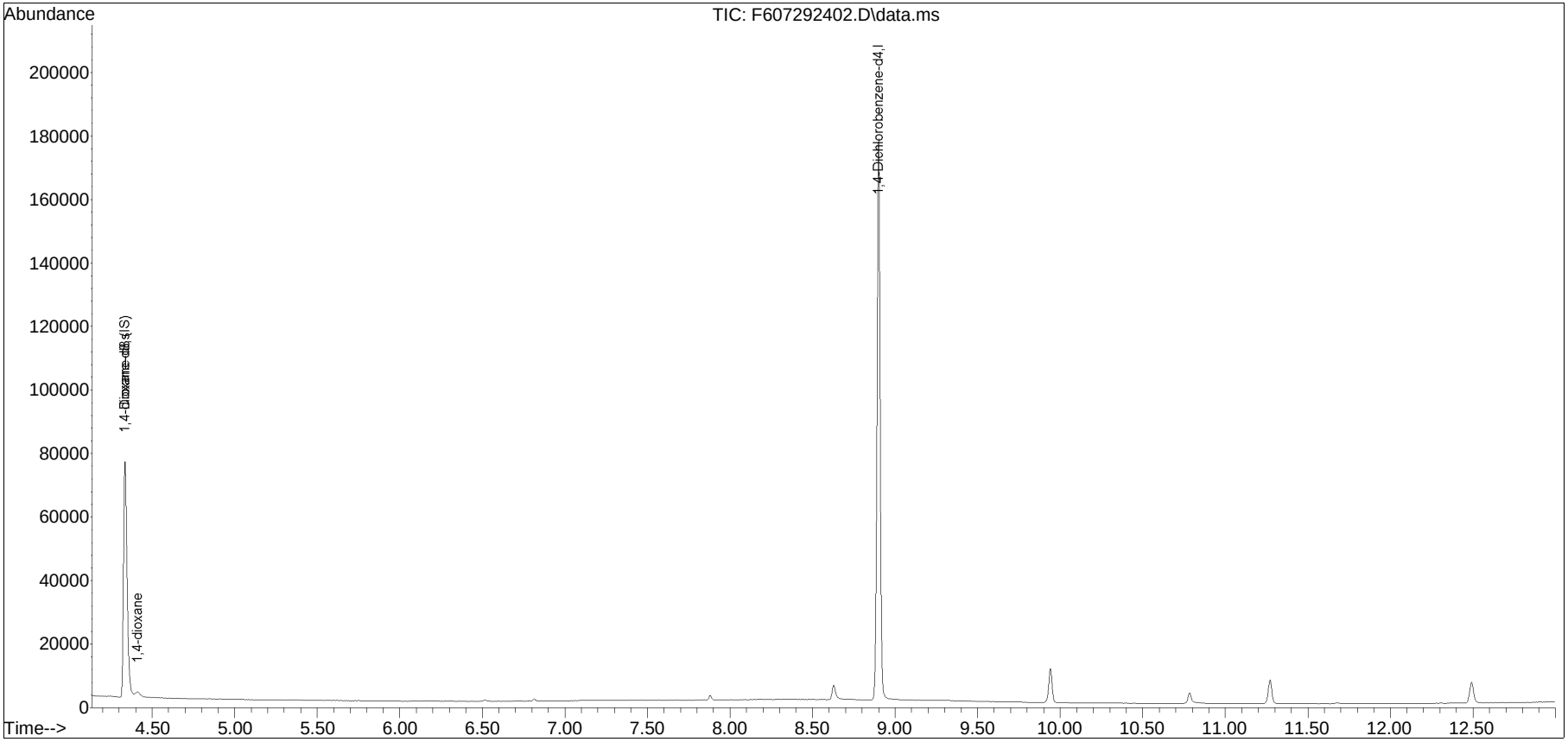
(#) = qualifier out of range (m) = manual integration (+) = signals summed

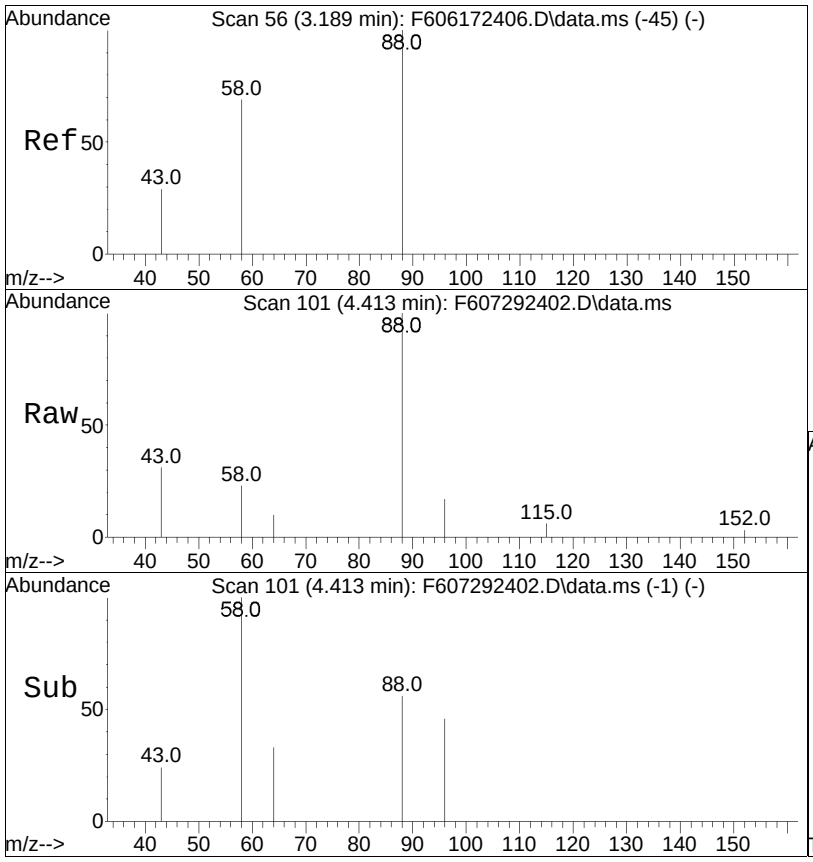
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

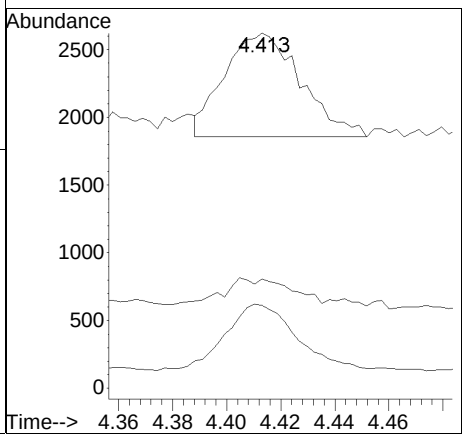




#2
1,4-dioxane
Concen: 11.06 ng/mL M2
RT: 4.413 min Scan# 101
Delta R.T. 0.016 min
Lab File: F607292402.D
Acq: 29 Jul 2024 9:17 am

Tgt Ion: 88 Resp: 1511

Ion	Ratio	Lower	Upper
88	100		
58	0.3	54.0	81.0#
43	3.8	21.4	32.2#

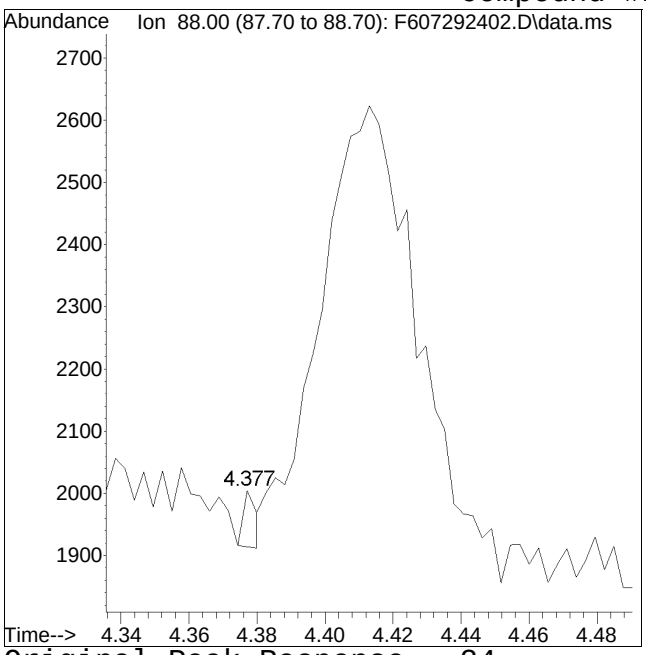


Manual Integration/Negative Proof Report

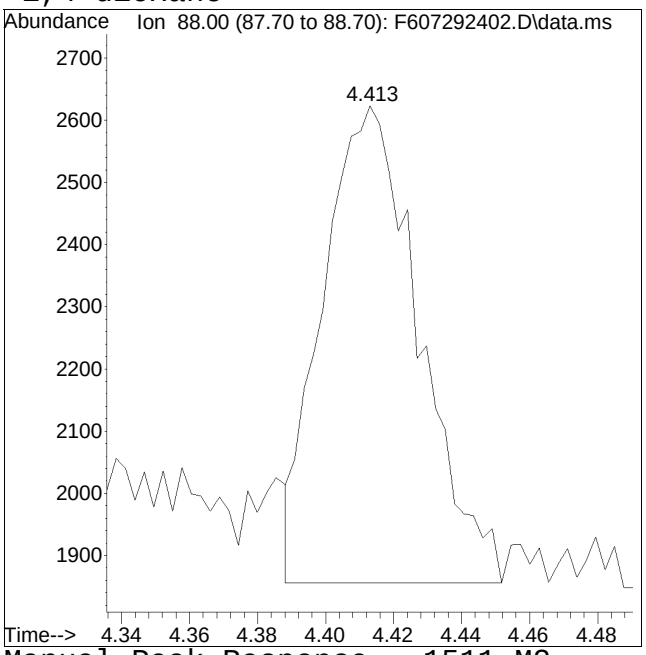
Data Path : O:\Organics\DATA\GCMS6\2024Q
Data File : F607292402.D
Date Inj'd : 7/29/2024 9:17 am
Sample : I607292401

Method : 14DIOX0729GCMS6.M
Operator : GCMS6:CSP
Instrument : GCMS 6
Quant Date : 7/29/2024 12:23 pm

Compound #2: 1,4-dioxane



Original Peak Response = 24



Manual Peak Response = 1511 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.333	64	44160	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	139546	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.333	64	44160	498.320	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.405	88	6534	47.383	ng/mL	99

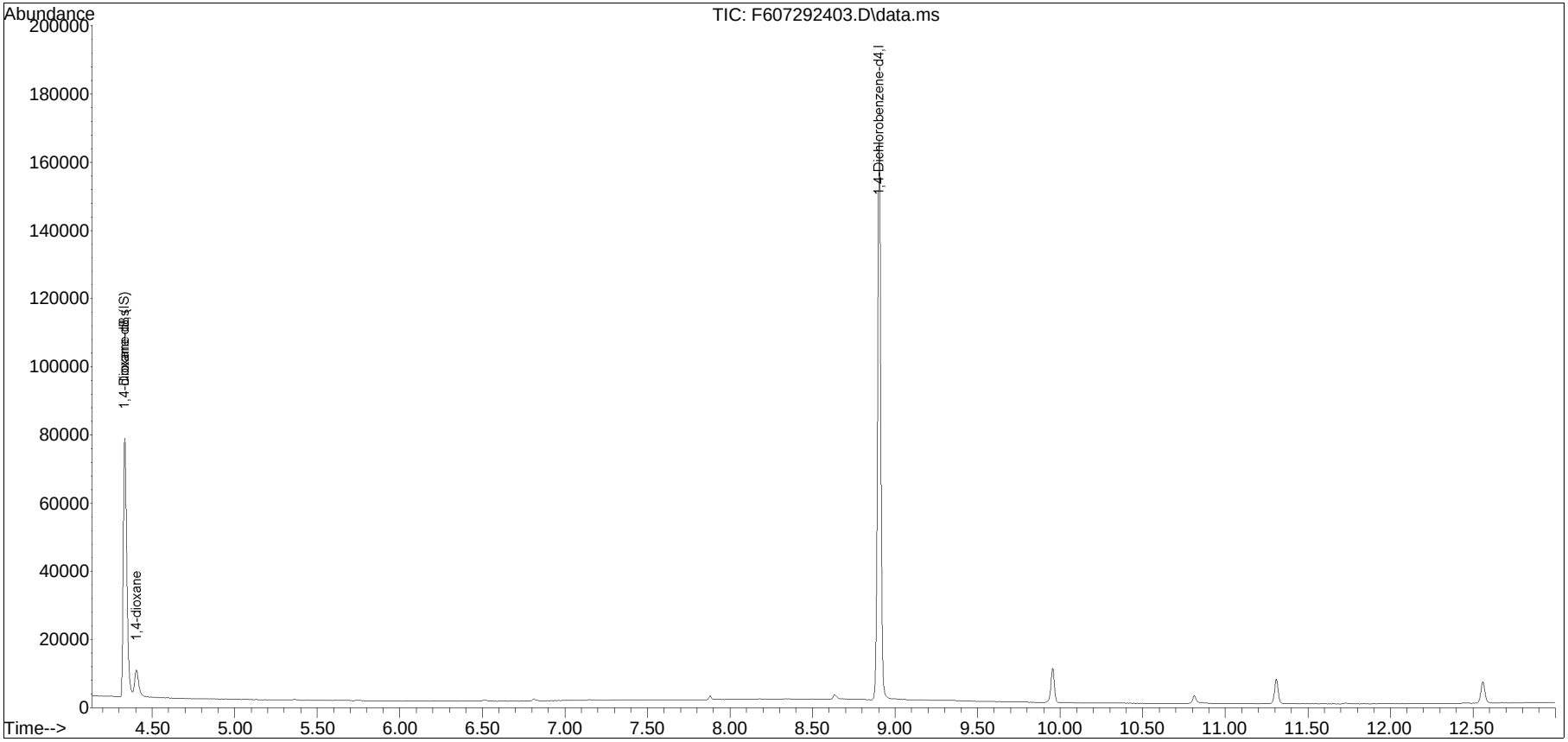
(#) = qualifier out of range (m) = manual integration (+) = signals summed

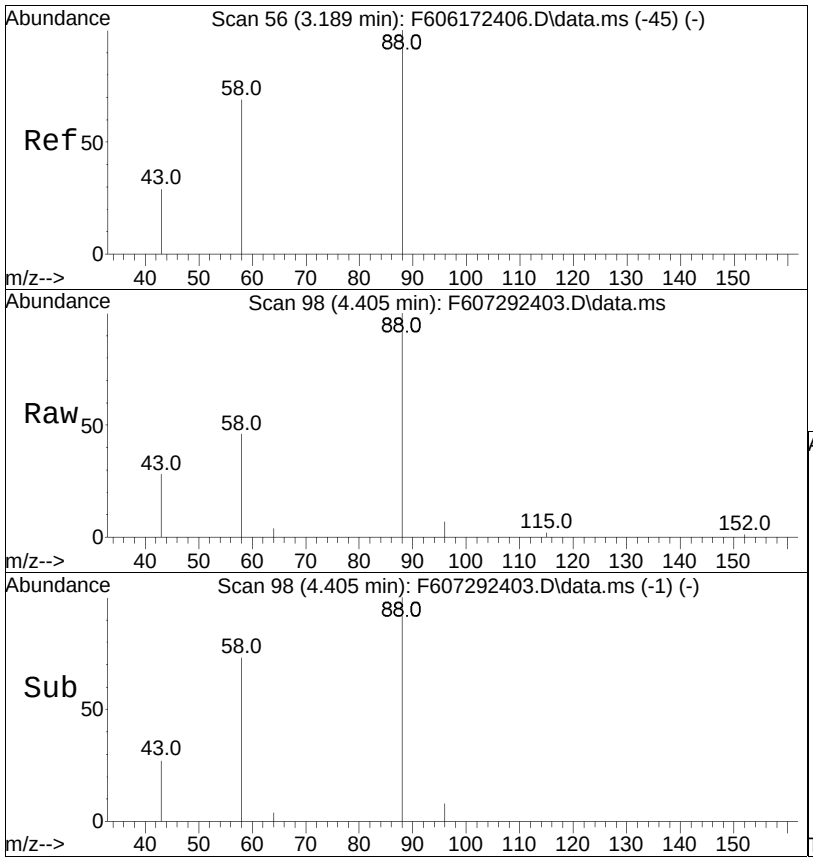
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

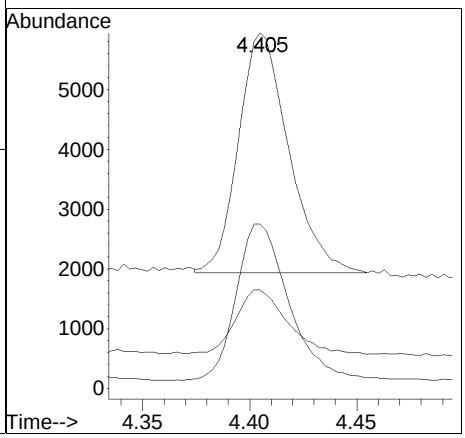




#2
1,4-dioxane
Concen: 47.38 ng/mL
RT: 4.405 min Scan# 98
Delta R.T. 0.008 min
Lab File: F607292403.D
Acq: 29 Jul 2024 9:40 am

Tgt Ion: 88 Resp: 6534

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	27.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292403.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 9:40 am	Instrument	: GCMS 6
Sample	: I607292402	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292403.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:24 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.338	64	45799	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143493	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.338	64	45799	502.599	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.408	88	13765	96.247	ng/mL	99

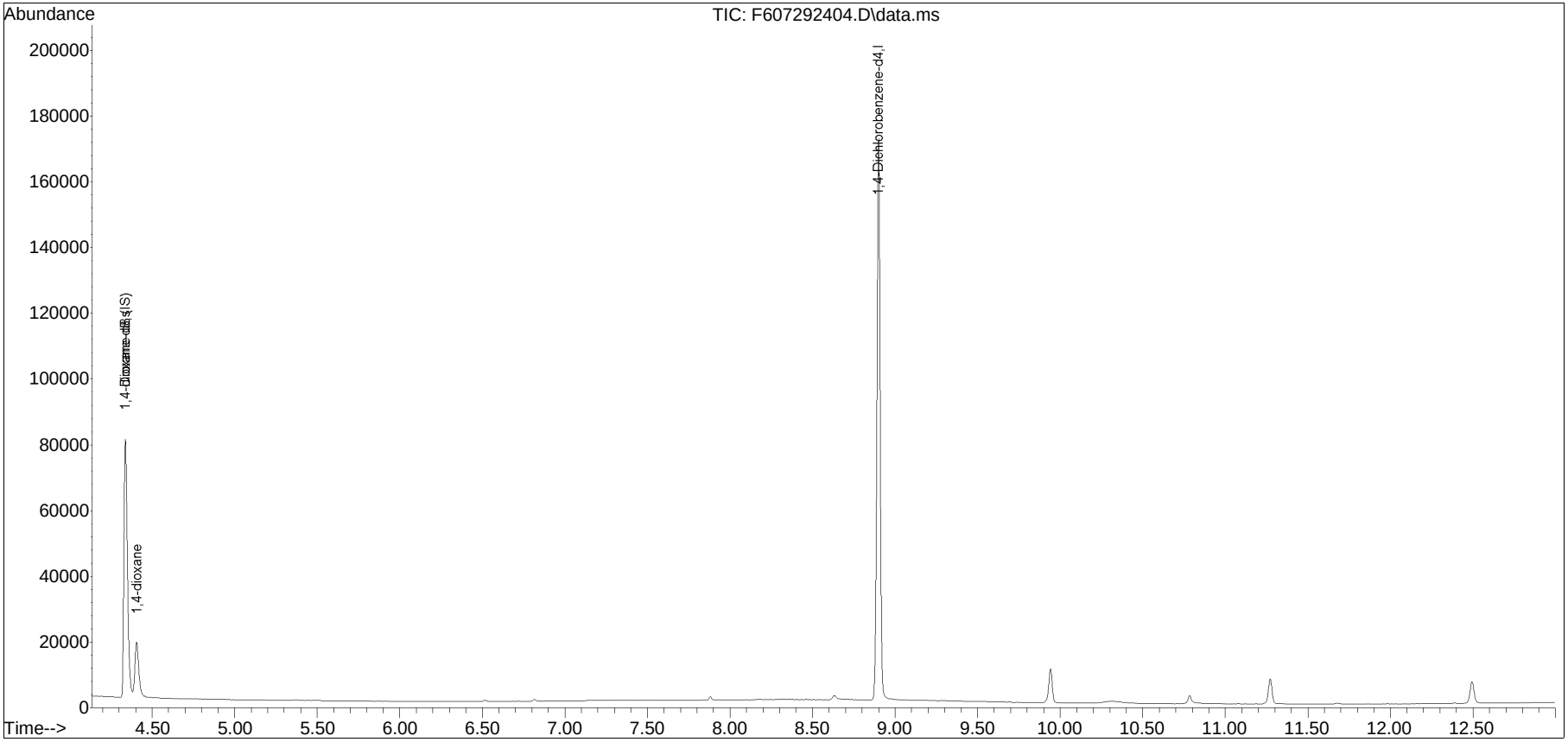
(#) = qualifier out of range (m) = manual integration (+) = signals summed

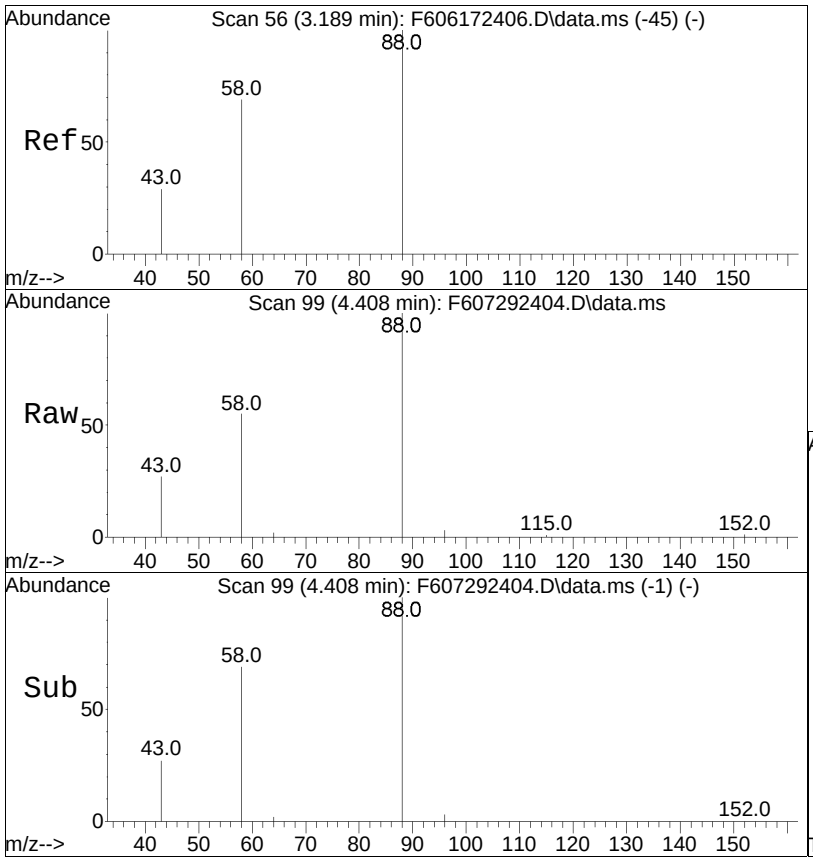
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

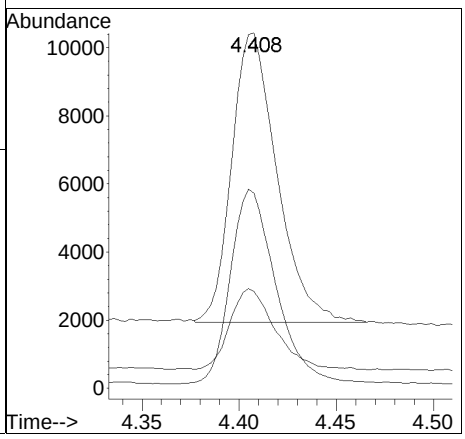




#2
1,4-dioxane
Concen: 96.25 ng/mL
RT: 4.408 min Scan# 99
Delta R.T. 0.011 min
Lab File: F607292404.D
Acq: 29 Jul 2024 10:01 am

Tgt Ion: 88 Resp: 13765

Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.0	81.0
43	28.1	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292404.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:01 am	Instrument	: GCMS 6
Sample	: I607292403	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292404.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:26 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45541	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.898	152	141159	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45541	508.031	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.61%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	69306	487.346	ng/mL	99

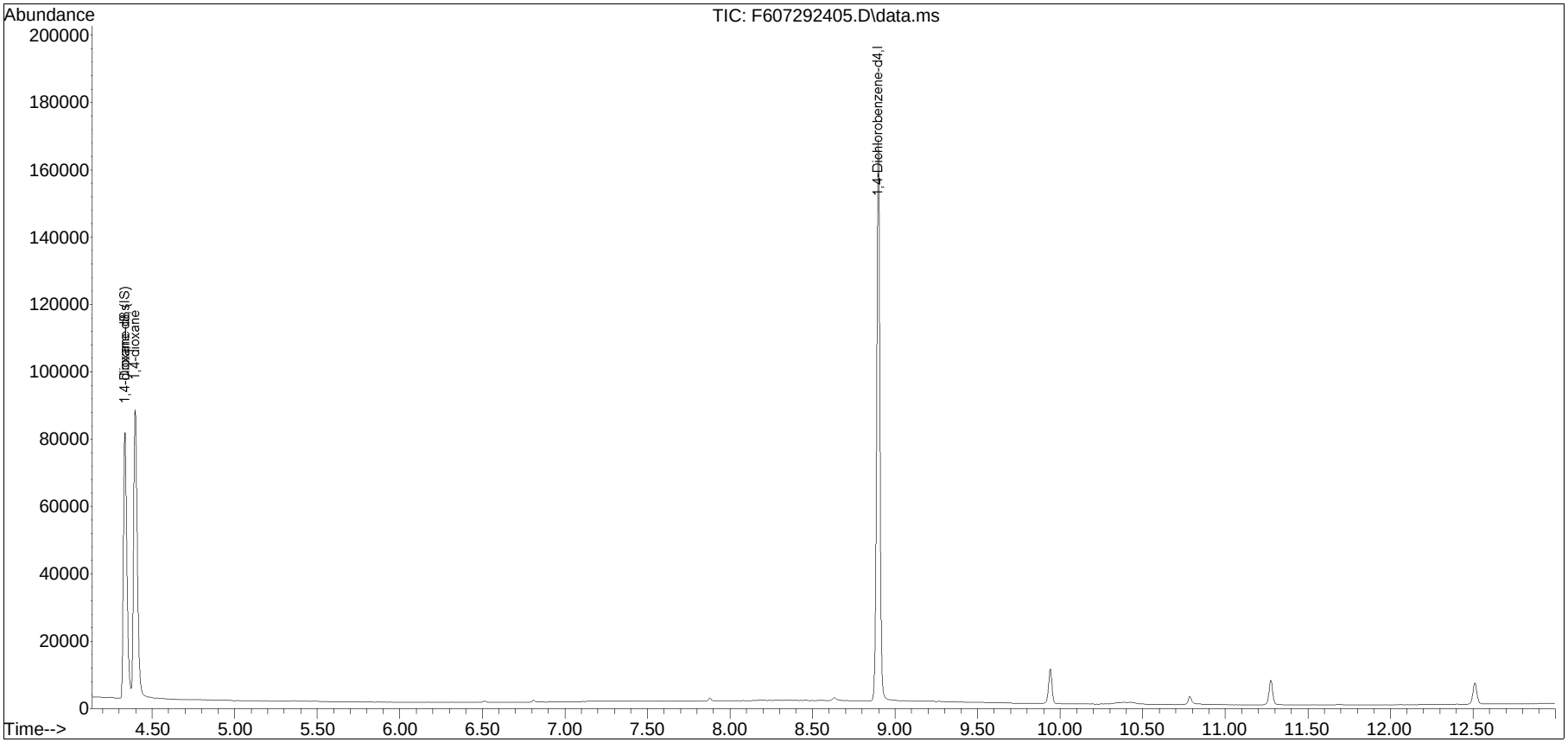
(#) = qualifier out of range (m) = manual integration (+) = signals summed

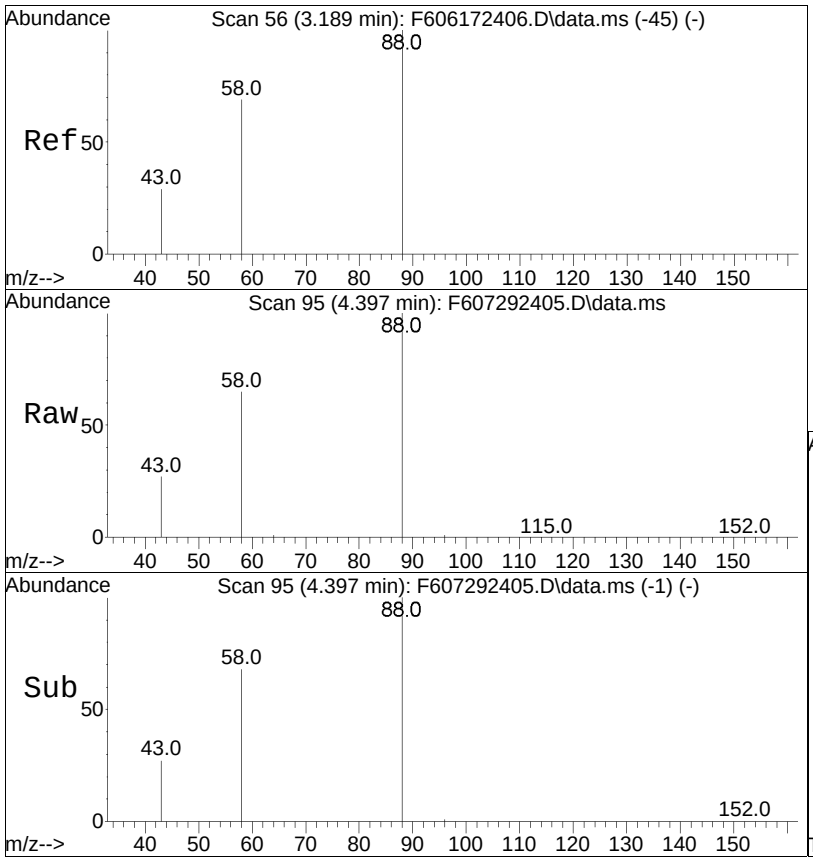
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

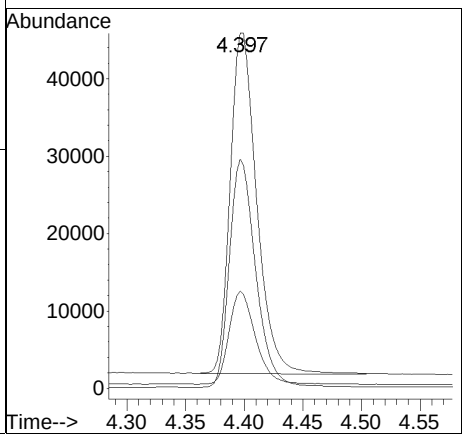




#2
1,4-dioxane
Concen: 487.35 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. -0.000 min
Lab File: F607292405.D
Acq: 29 Jul 2024 10:23 am

Tgt Ion: 88 Resp: 69306

Ion	Ratio	Lower	Upper
88	100		
58	66.5	54.0	81.0
43	26.9	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292405.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:23 am	Instrument	: GCMS 6
Sample	: I607292404	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292405.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:28 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45692	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143704	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45692	500.689	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.14%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	140492	984.646	ng/mL	100

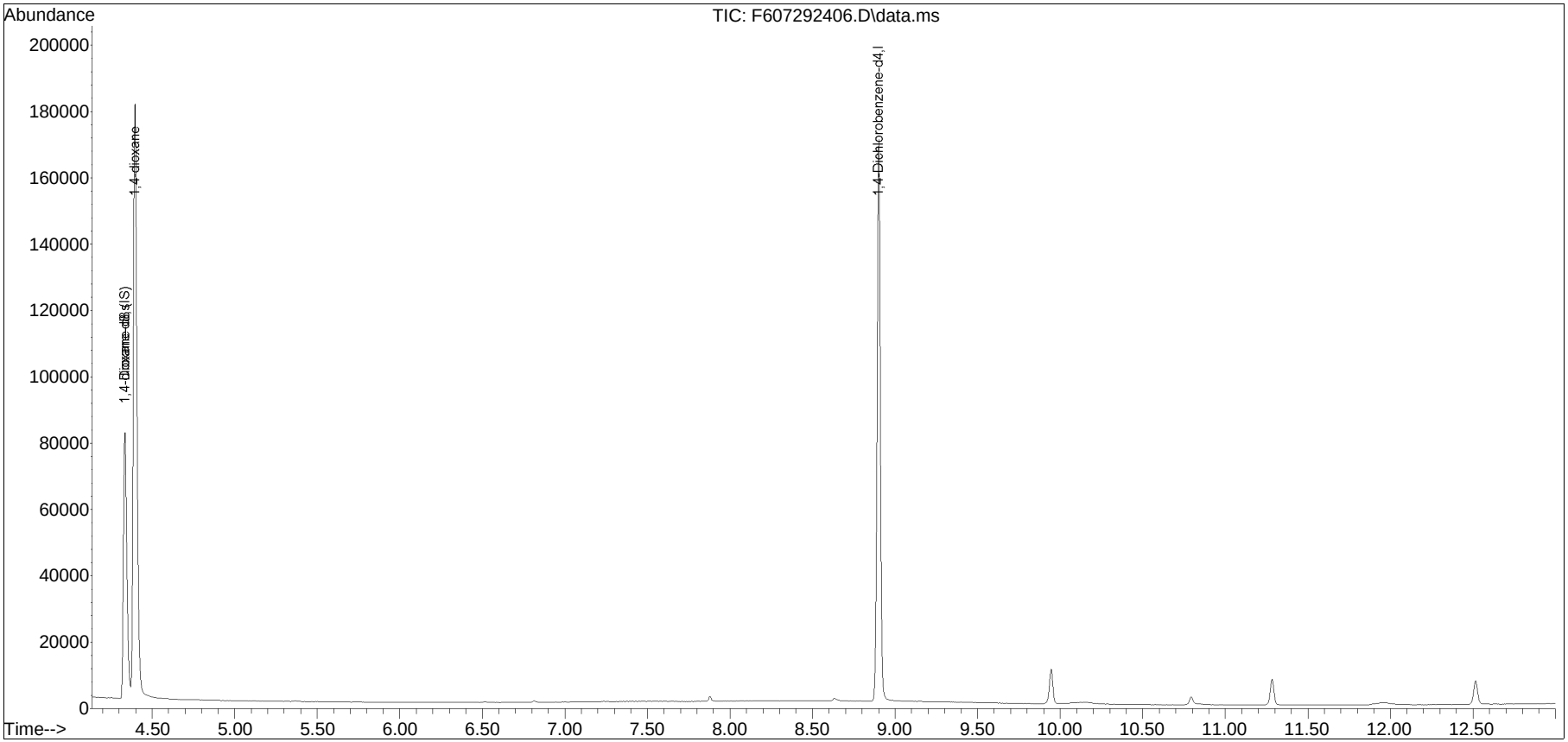
(#) = qualifier out of range (m) = manual integration (+) = signals summed

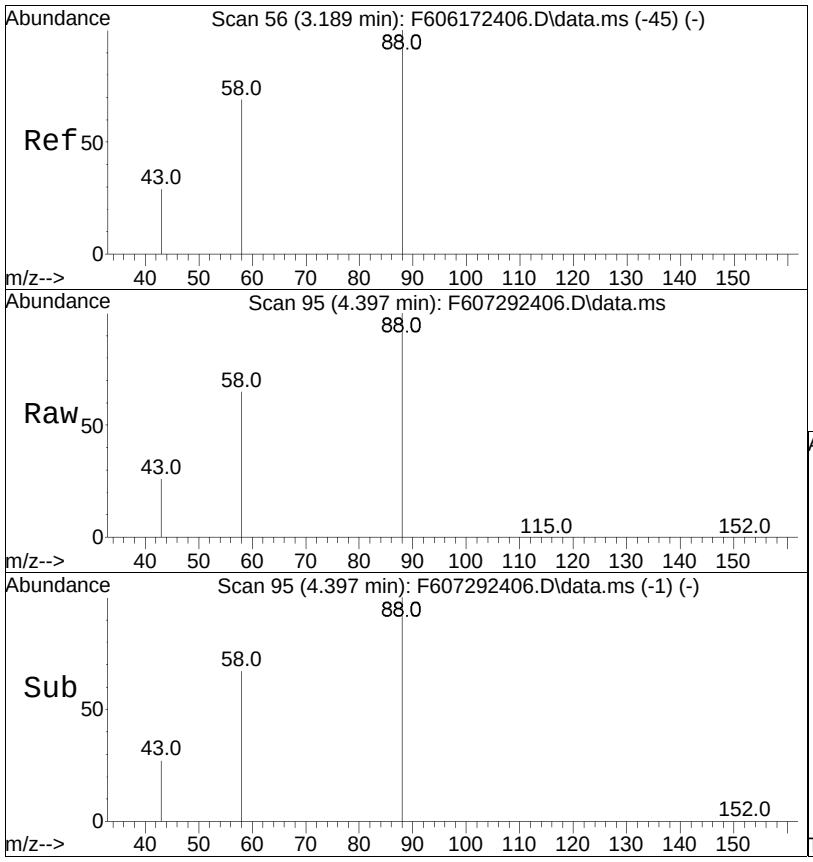
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

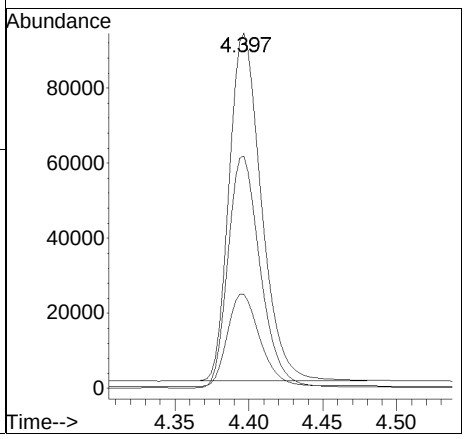




#2
1,4-dioxane
Concen: 984.65 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. 0.000 min
Lab File: F607292406.D
Acq: 29 Jul 2024 10:45 am

Tgt Ion: 88 Resp: 140492

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.8	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292406.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:45 am	Instrument	: GCMS 6
Sample	: I607292405	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292406.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:30 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44310	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	137046	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44310	509.134	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.83%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.385	88	694776	5021.250	ng/mL	99

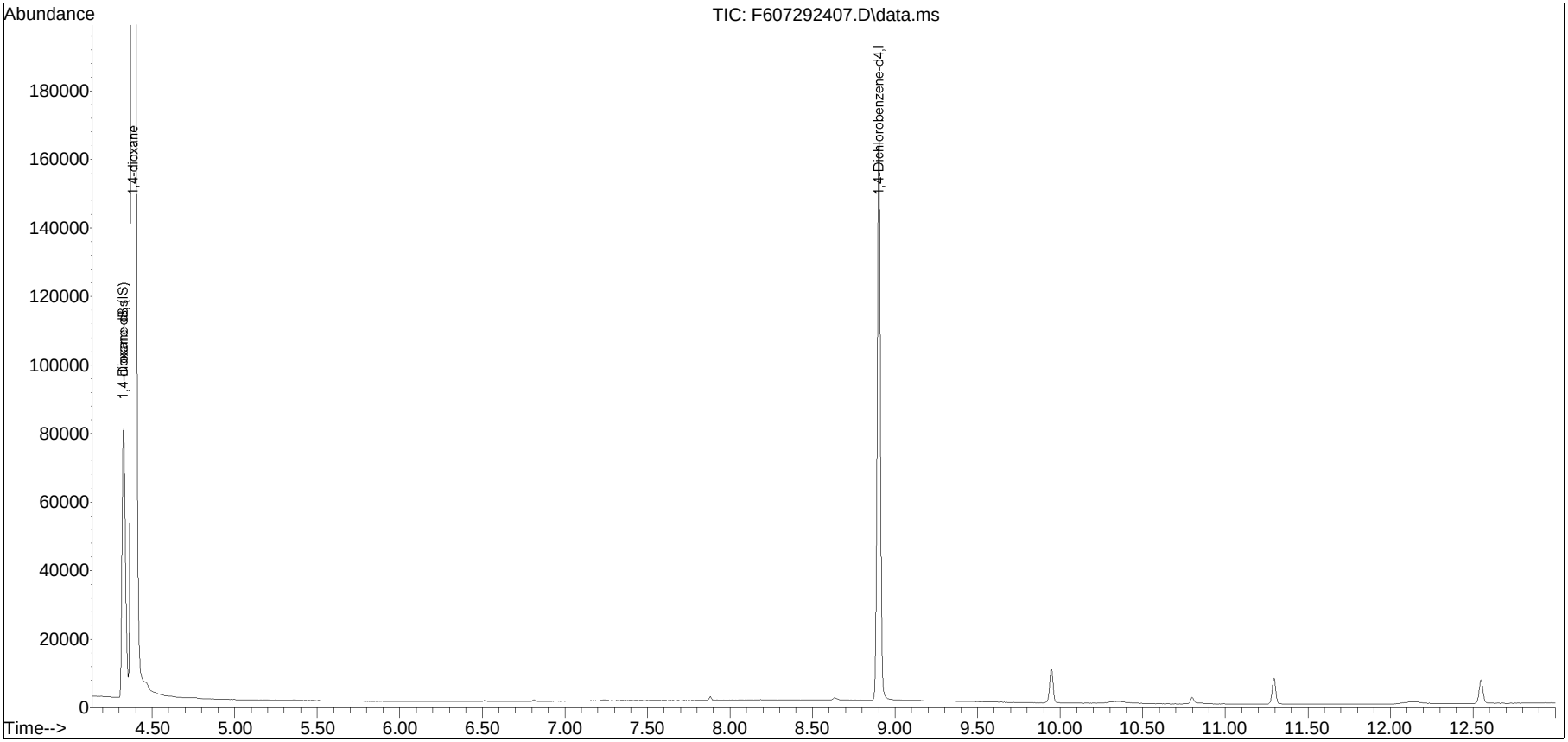
(#) = qualifier out of range (m) = manual integration (+) = signals summed

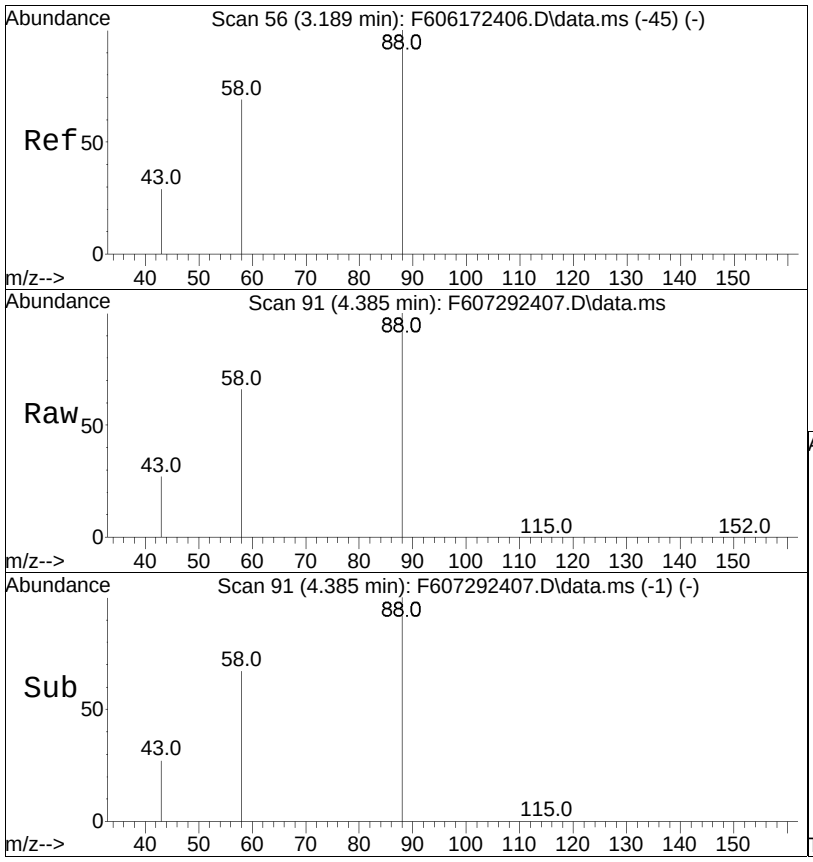
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

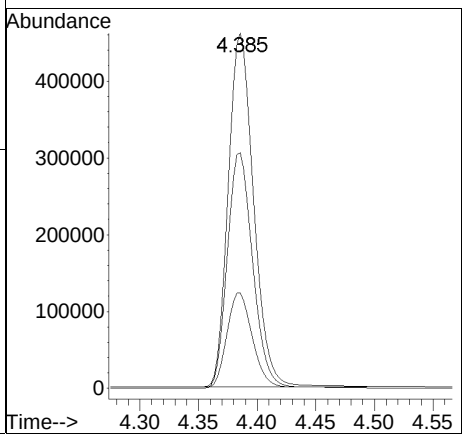




#2
1,4-dioxane
Concen: 5021.25 ng/mL
RT: 4.385 min Scan# 91
Delta R.T. -0.011 min
Lab File: F607292407.D
Acq: 29 Jul 2024 11:07 am

Tgt Ion: 88 Resp: 694776

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292407.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:07 am	Instrument	: GCMS 6
Sample	: I607292406	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.330	64	43979	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	138244	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.330	64	43979	500.951	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.19%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	1400674	10199.069	ng/mL	100

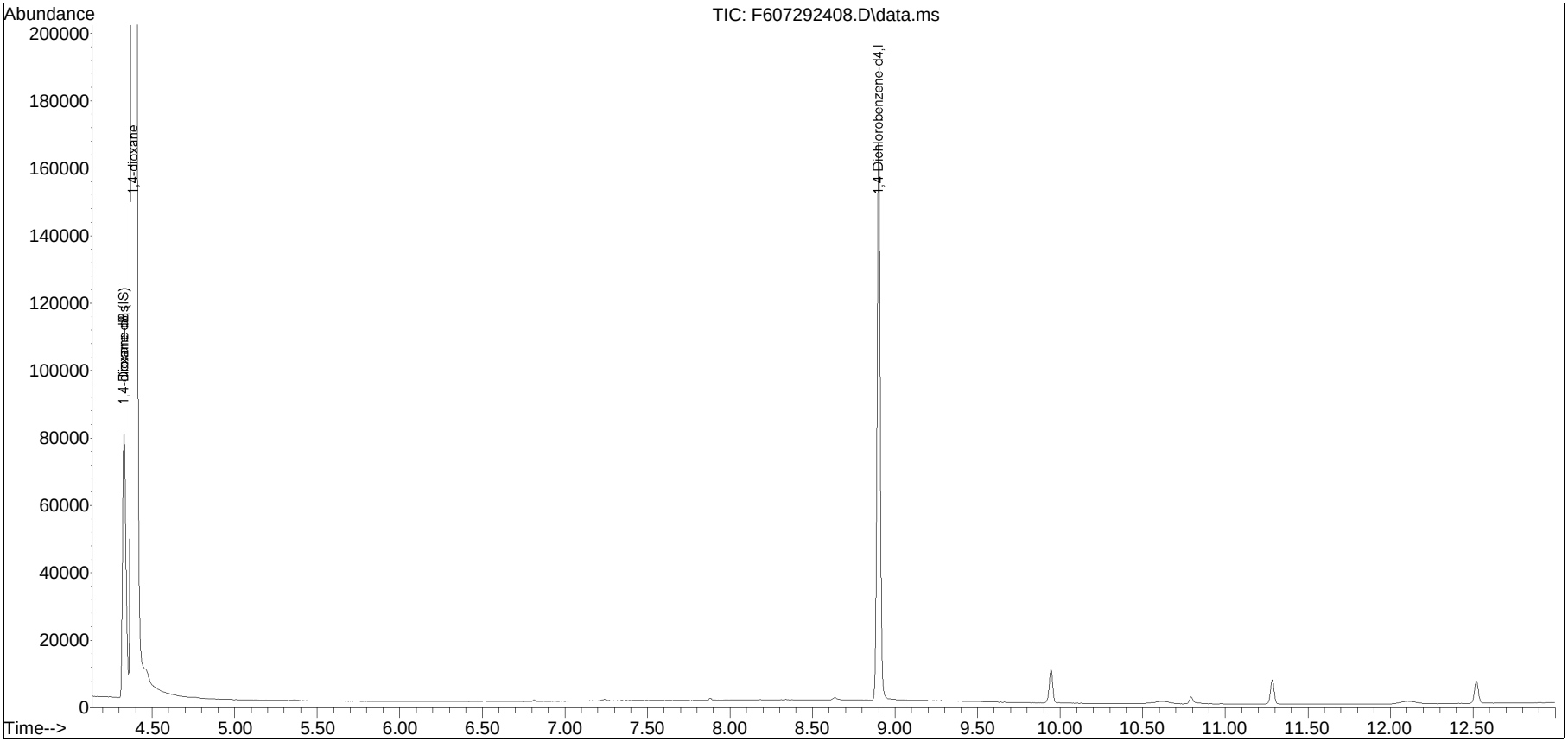
(#) = qualifier out of range (m) = manual integration (+) = signals summed

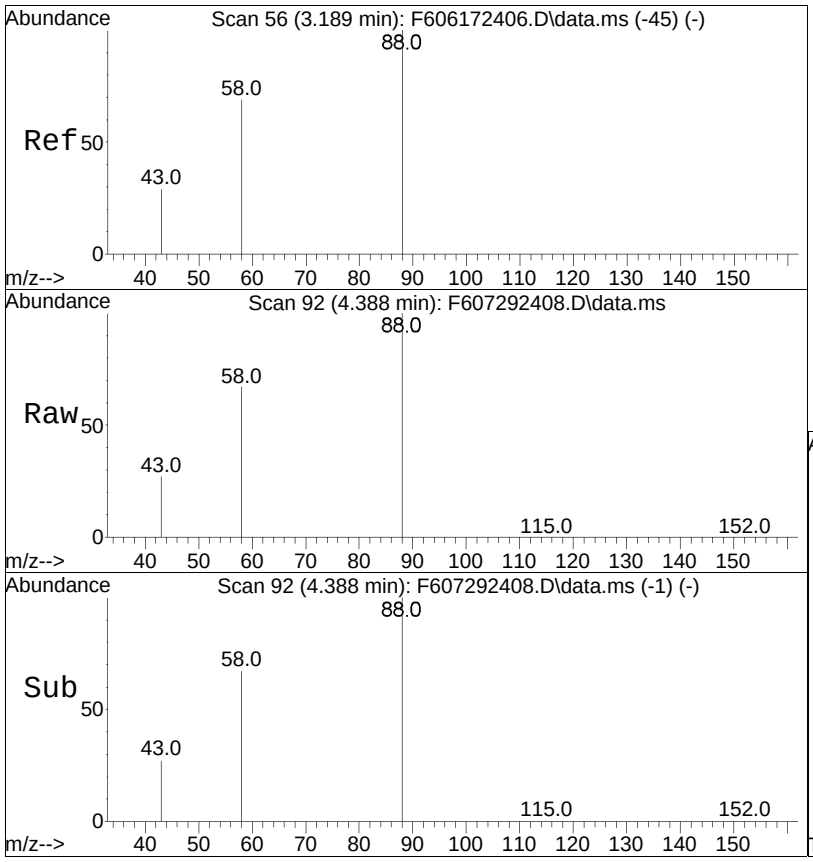
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

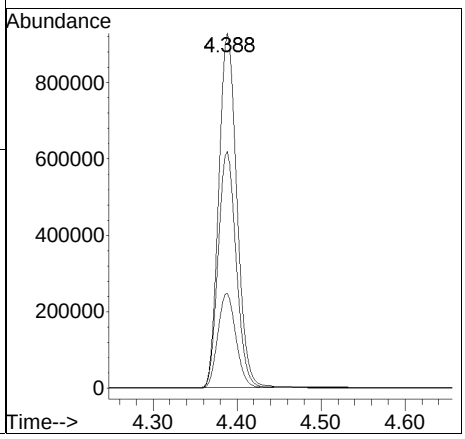




#2
1,4-dioxane
Concen: 10199.07 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292408.D
Acq: 29 Jul 2024 11:29 am

Tgt Ion: 88 Resp: 1400674

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.0	81.0
43	26.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292408.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:29 am	Instrument	: GCMS 6
Sample	: I607292407	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	98	0.00
2	1,4-dioxane	1.561	1.461	6.4	93	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
4 s	1,4-dioxane-d8	0.318	0.316	0.6	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44594	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	141301	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44594	496.967	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.39%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	130346	936.031	ng/mL	99

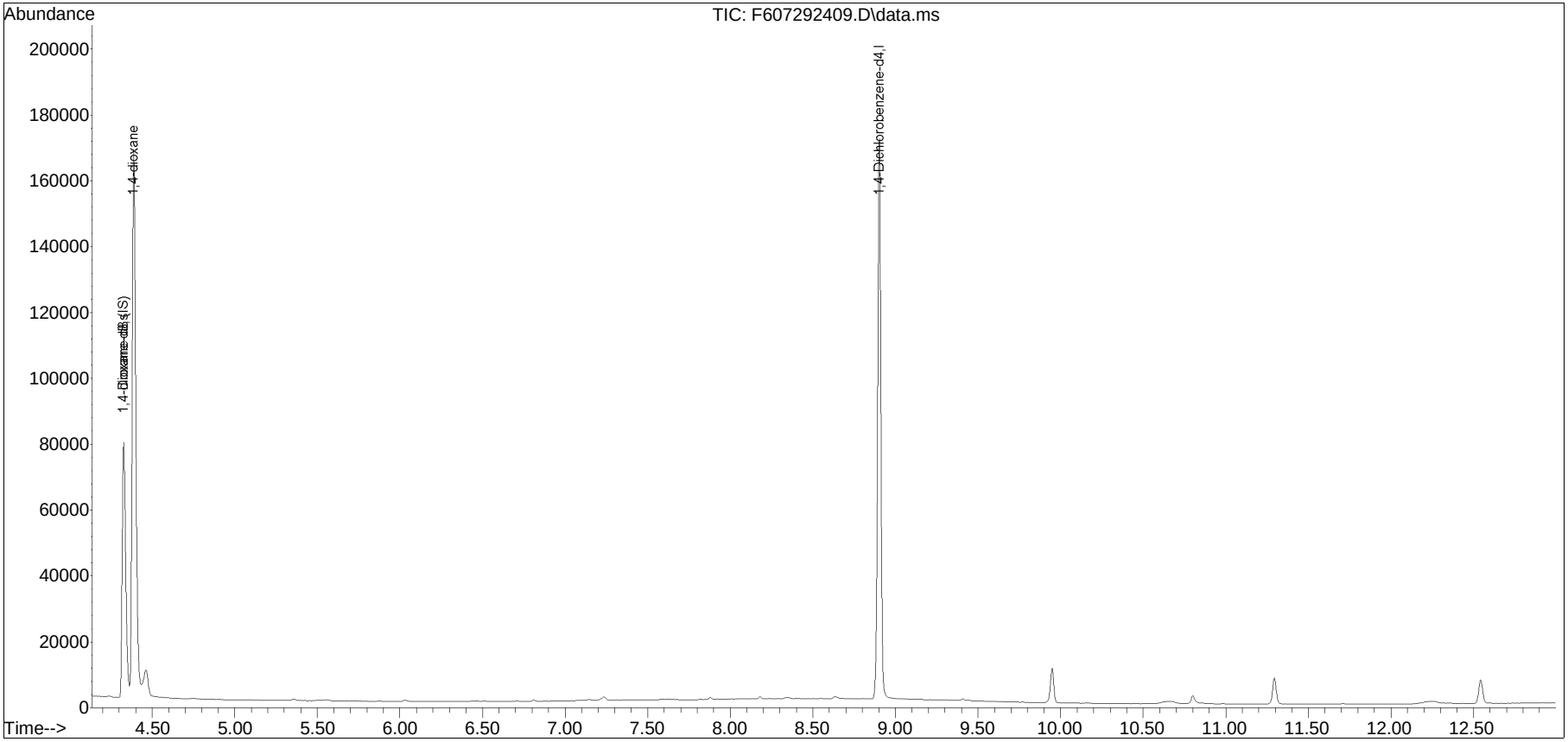
(#) = qualifier out of range (m) = manual integration (+) = signals summed

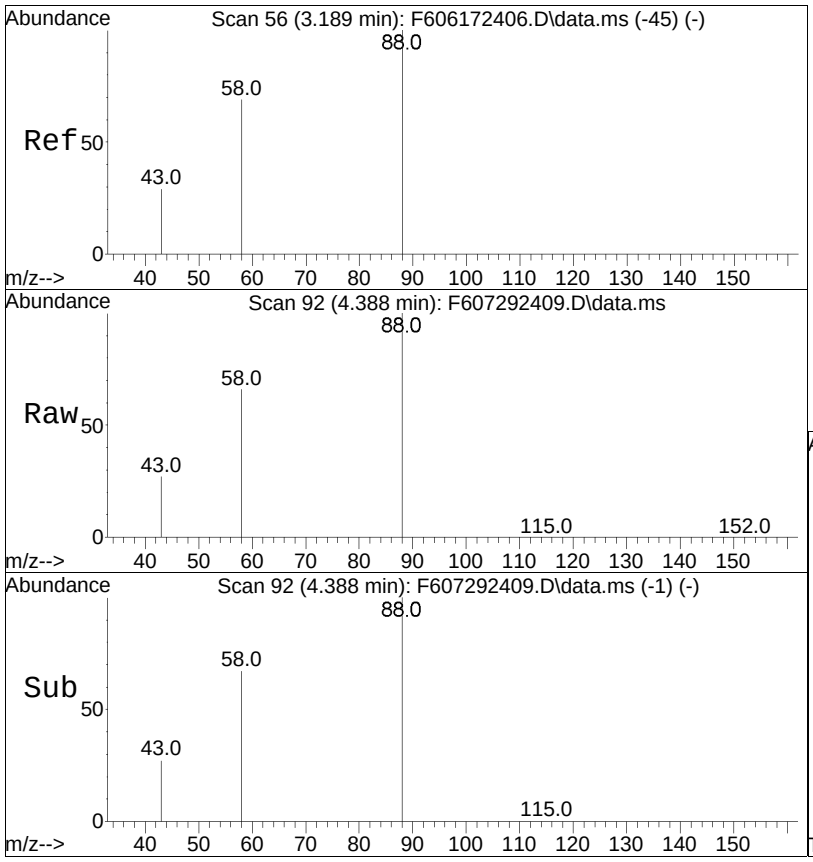
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

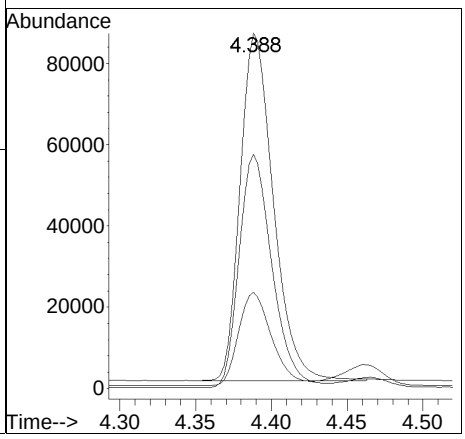




#2
1,4-dioxane
Concen: 936.03 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292409.D
Acq: 29 Jul 2024 11:50 am

Tgt Ion: 88 Resp: 130346

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292409.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:50 am	Instrument	: GCMS 6
Sample	: CQ607292401	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: GCMS6		**Calibration Date**	: 09/09/24 21:20	
Lab File ID	: F609092428		**Init. Calib. Date(s)**	: 07/29/24	07/29/24
Sample No	: WG1969166-4		**Init. Calib. Times**	: 09:17	11:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	105	0
1,4-dioxane	1.561	1.55	-	0.7	20	106	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
1,4-dioxane-d8	0.318	0.348	-	-9.4	20	109	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : S:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092428.D
Acq On : 9 Sep 2024 9:20 pm
Operator : GCMS6:GRS
Sample : WG1969166-4
Misc : WG1969166,WG1969042,ICAL21343
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 13:40:42 2024
Quant Method : S:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	105	0.00
2	1,4-dioxane	1.561	1.550	0.7	106	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
4 s	1,4-dioxane-d8	0.318	0.348	-9.4	109	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092428.D
Acq On : 9 Sep 2024 9:20 pm
Operator : GCMS6:GRS
Sample : WG1969166-4
Misc : WG1969166,WG1969042,ICAL21343
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:22:55 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.933	64	47855	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.630	152	137564	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.933	64	47855	547.796	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 109.56%			
Target Compounds						Qvalue
2) 1,4-dioxane	3.994	88	148396	993.033	ng/mL	99

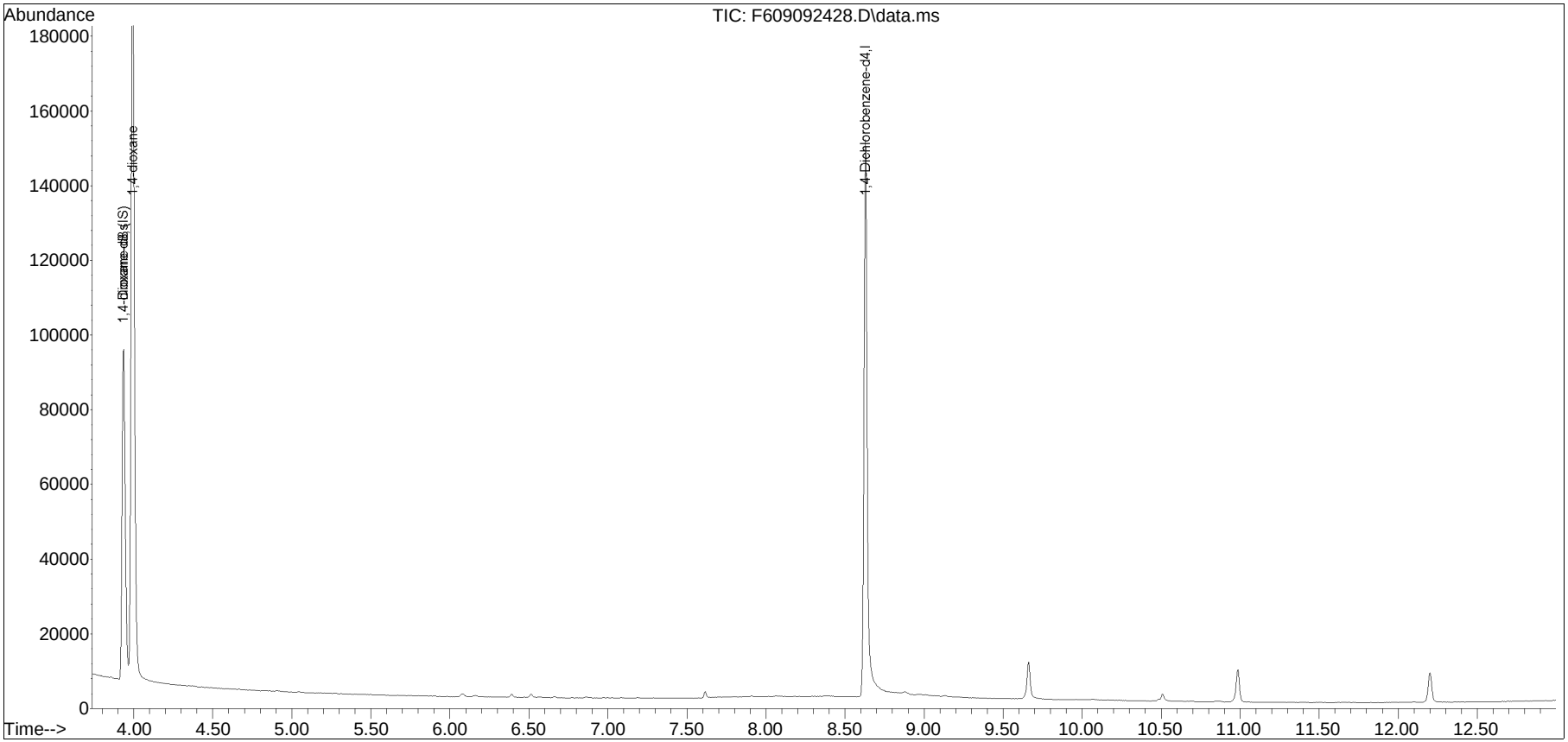
(#) = qualifier out of range (m) = manual integration (+) = signals summed

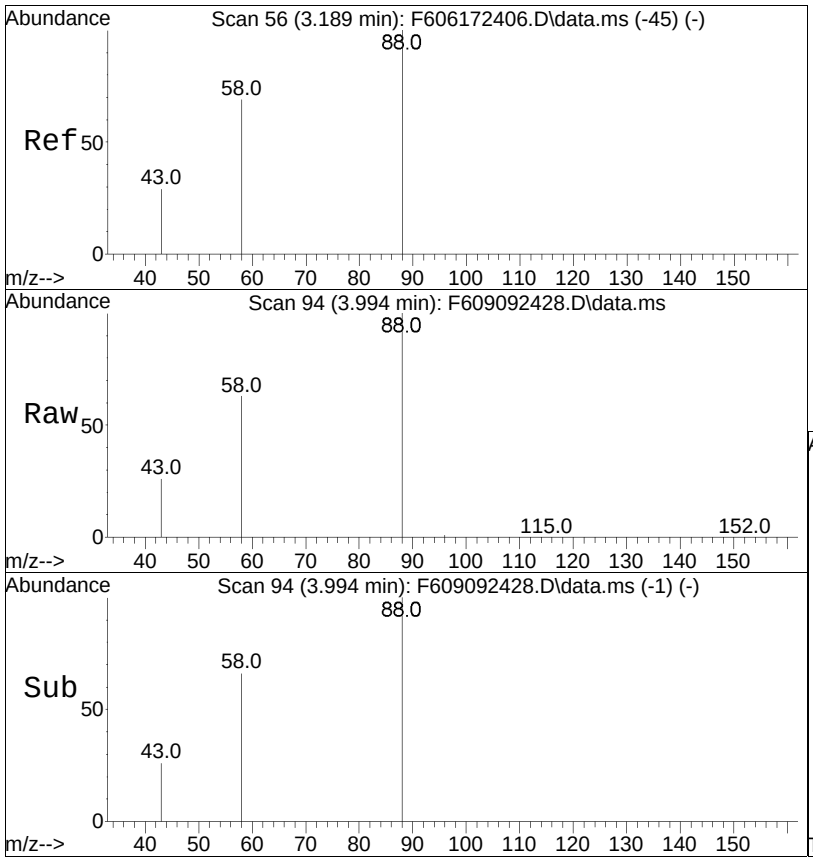
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092428.D
Acq On : 9 Sep 2024 9:20 pm
Operator : GCMS6:GRS
Sample : WG1969166-4
Misc : WG1969166,WG1969042,ICAL21343
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 11:22:55 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

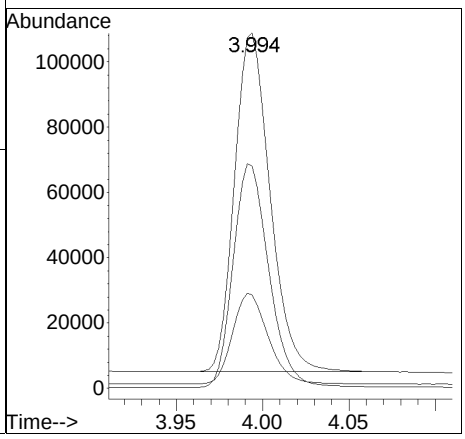




#2
1,4-dioxane
Concen: 993.03 ng/mL
RT: 3.994 min Scan# 94
Delta R.T. 0.008 min
Lab File: F609092428.D
Acq: 9 Sep 2024 9:20 pm

Tgt Ion: 88 Resp: 148396

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	26.8	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092428.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/9/2024 9:20 pm	Instrument	: GCMS 6
Sample	: WG1969166-4	Quant Date	: 9/11/2024 11:22 am

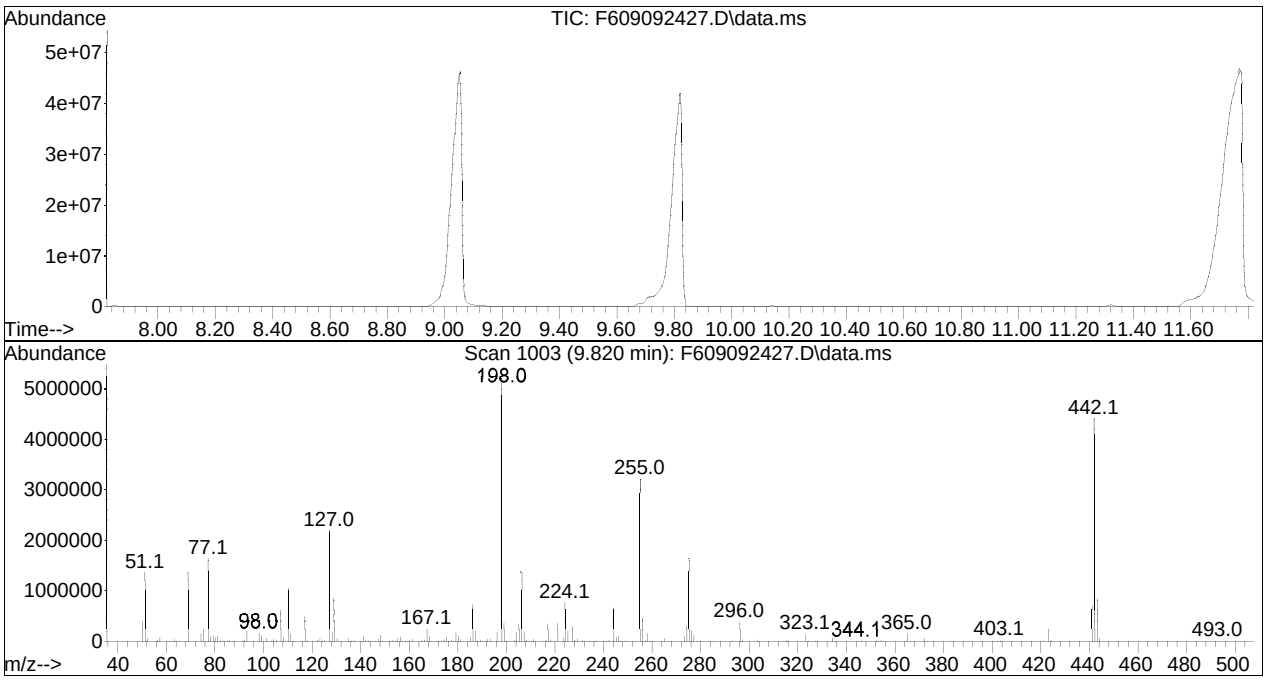
There are no manual integrations or false positives in this file.

Semivolatiles Raw QC Data

Data Path : S:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092427.D
Acq On : 9 Sep 2024 8:41 pm
Operator : GCMS6:GRS
Sample : WG1969166-3
Misc : WG1969166,WG1969042,ICAL21343
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : S:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Sep 09 10:28:17 2024



Spectrum Information: Scan 1003

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	26.0	1355264	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	7190	PASS
127	198	10	80	41.9	2187776	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	5218816	PASS
199	198	5	9	6.9	357504	PASS
275	198	10	60	31.5	1644544	PASS
365	198	1	100	2.9	151488	PASS
441	442	0.01	24	15.9	702336	PASS
442	198	50	100	84.4	4404224	PASS
443	442	15	24	18.9	830976	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092429.D
Acq On : 9 Sep 2024 9:45 pm
Operator : GCMS6:GRS
Sample : wg1969041-1,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 11:36:52 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.947	64	18505	500.000	ng/mL	0.02
3) 1,4-Dichlorobenzene-d4	8.633	152	154033	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.947	64	18505	189.178	ng/mL	0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 37.84%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

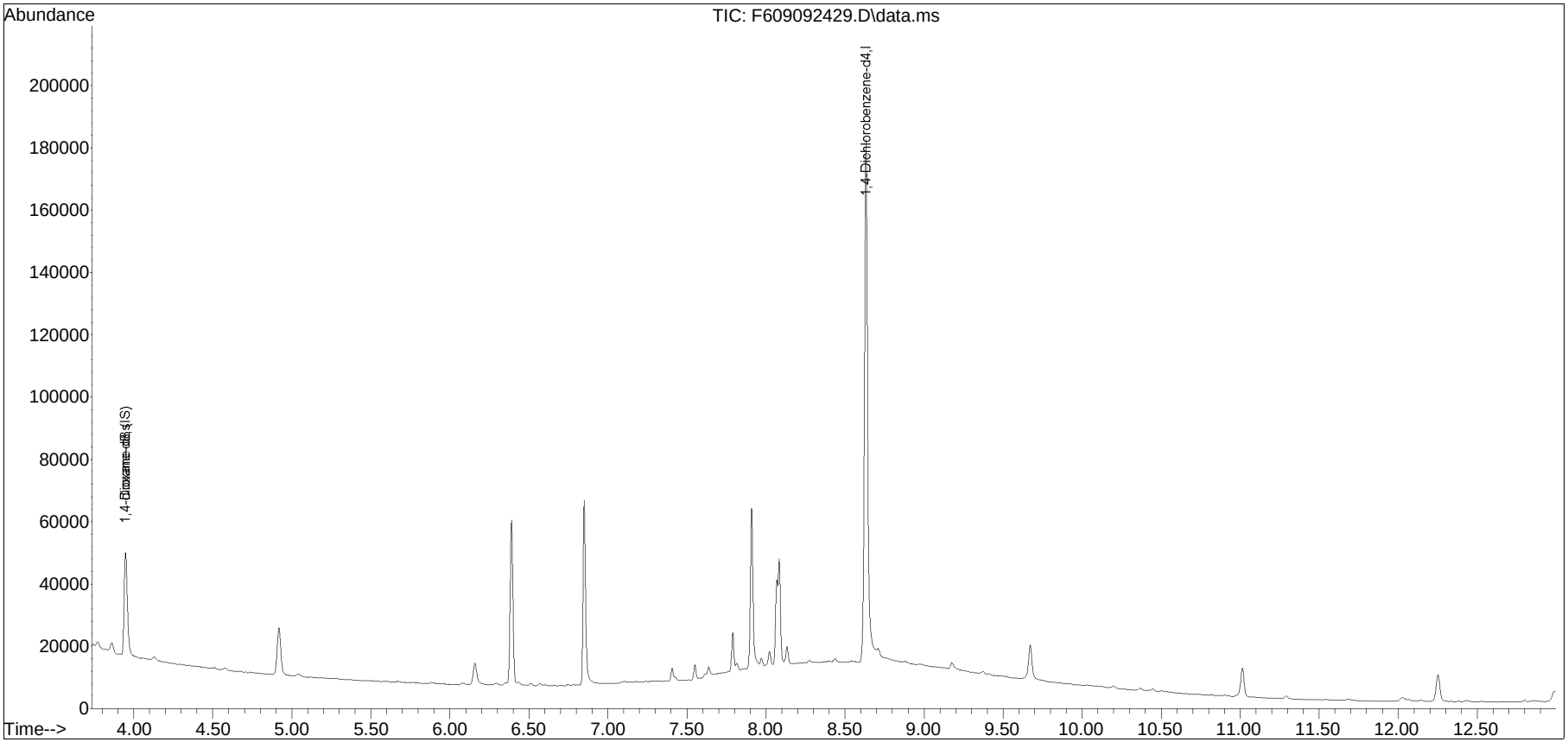
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092429.D
Acq On : 9 Sep 2024 9:45 pm
Operator : GCMS6:GRS
Sample : wg1969041-1,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 11 11:36:52 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092429.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/9/2024 9:45 pm	Instrument	: GCMS 6
Sample	: wg1969041-1,32,,	Quant Date	: 9/11/2024 11:22 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092430.D
Acq On : 9 Sep 2024 10:10 pm
Operator : GCMS6:GRS
Sample : wg1969041-2,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 11:22:59 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.952	64	15265	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	8.630	152	150135	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.952	64	15265	160.107	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 32.02%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.013	88	26091	547.347	ng/mL	98

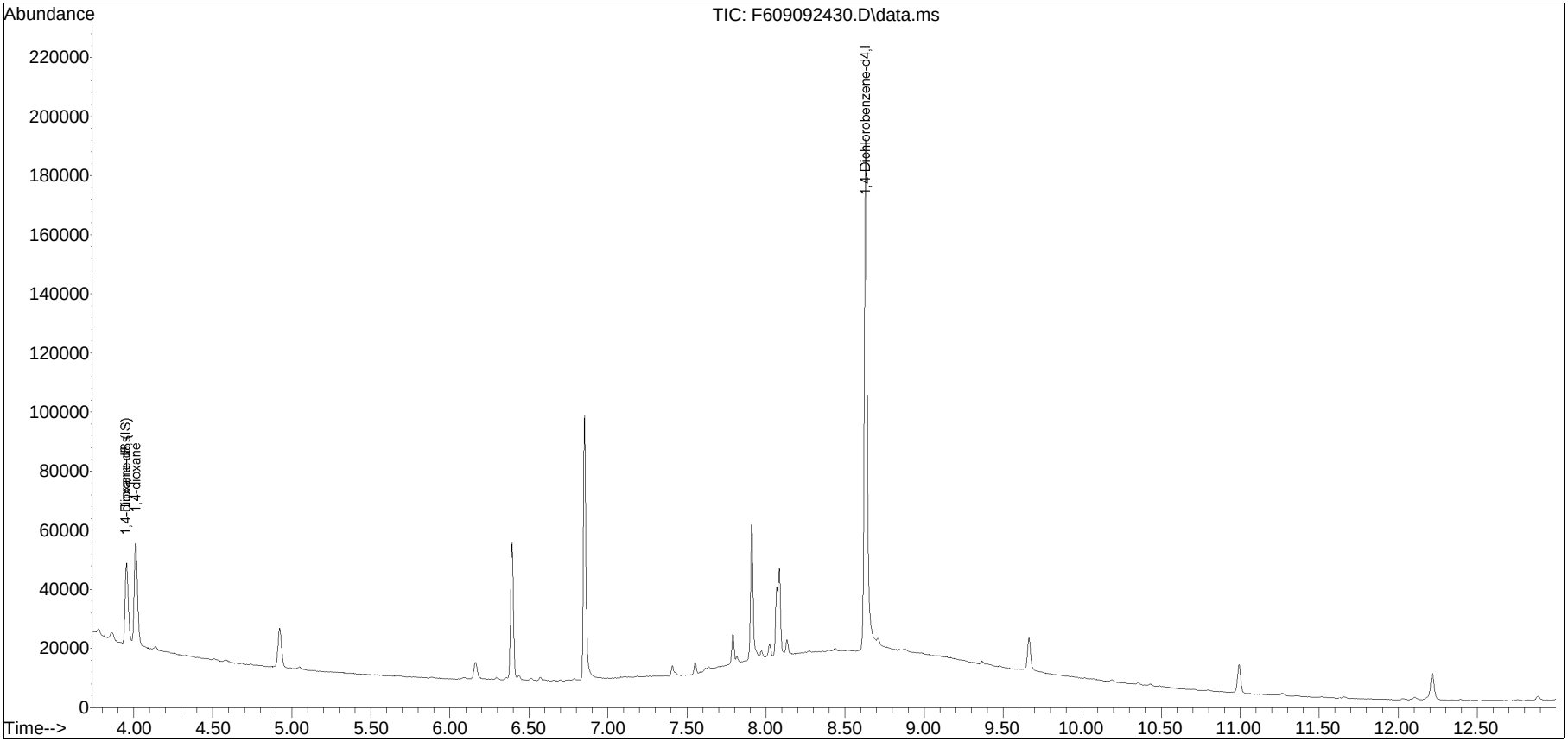
(#) = qualifier out of range (m) = manual integration (+) = signals summed

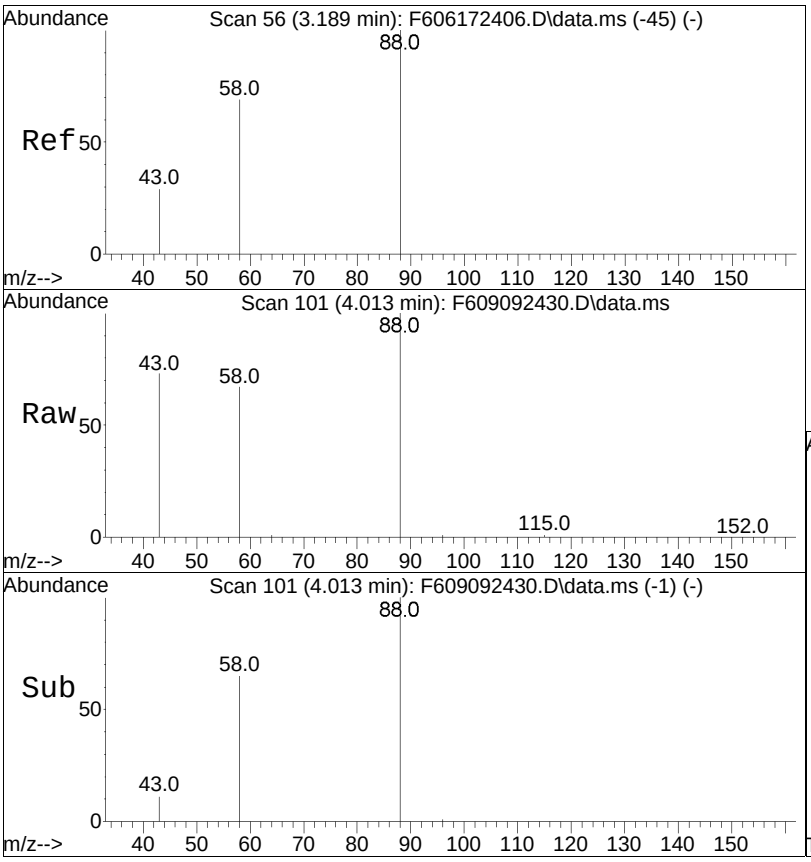
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092430.D
Acq On : 9 Sep 2024 10:10 pm
Operator : GCMS6:GRS
Sample : wg1969041-2,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 11 11:22:59 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

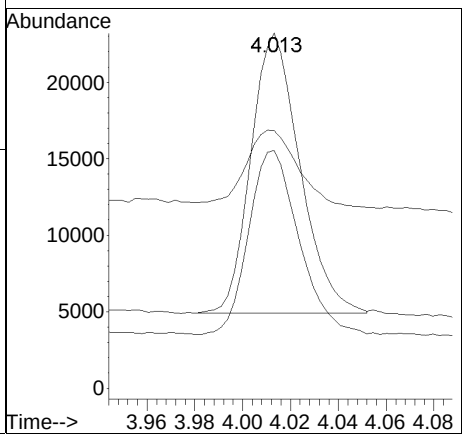




#2
1,4-dioxane
Concen: 547.35 ng/mL
RT: 4.013 min Scan# 101
Delta R.T. 0.028 min
Lab File: F609092430.D
Acq: 9 Sep 2024 10:10 pm

Tgt Ion: 88 Resp: 26091

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	29.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092430.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/9/2024 10:10 pm	Instrument	: GCMS 6
Sample	: wg1969041-2,32,,	Quant Date	: 9/11/2024 11:22 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092431.D
Acq On : 9 Sep 2024 10:34 pm
Operator : GCMS6:GRS
Sample : wg1969041-3,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 11 11:23:01 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	3.958	64	19254	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	8.630	152	156454	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	3.958	64	19254	193.790	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 38.76%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.016	88	33306	553.950	ng/mL	97

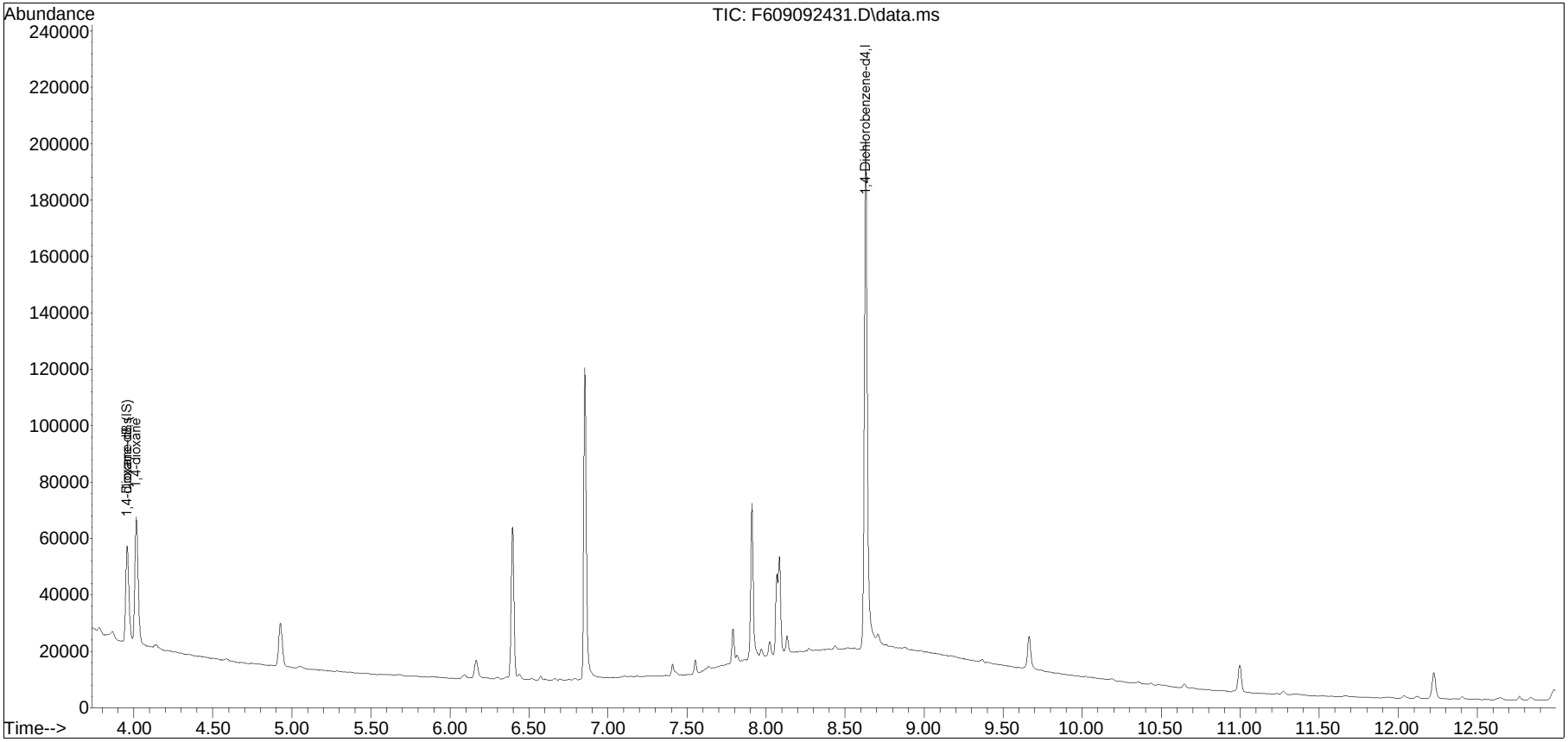
(#) = qualifier out of range (m) = manual integration (+) = signals summed

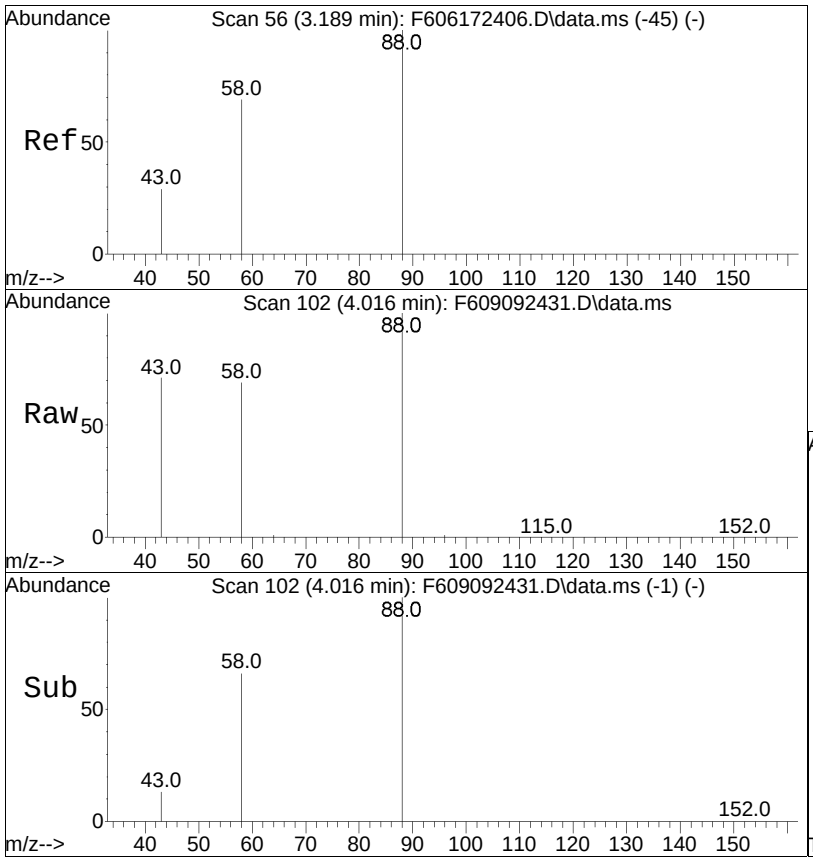
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\
Data File : F609092431.D
Acq On : 9 Sep 2024 10:34 pm
Operator : GCMS6:GRS
Sample : wg1969041-3,32,,
Misc : WG1969166,WG1969041,ICAL21343
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 11 11:23:01 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\SEP\SEP09\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Sep 09 10:28:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

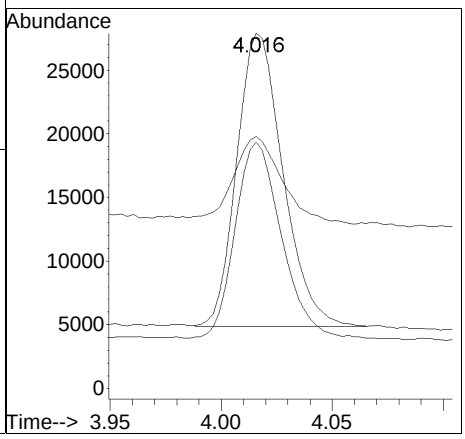




#2
1,4-dioxane
Concen: 553.95 ng/mL
RT: 4.016 min Scan# 102
Delta R.T. 0.030 min
Lab File: F609092431.D
Acq: 9 Sep 2024 10:34 pm

Tgt Ion: 88 Resp: 33306

Ion	Ratio	Lower	Upper
88	100		
58	66.5	54.0	81.0
43	30.9	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F609092431.D	Operator	: GCMS6:GRS
Date Inj'd	: 9/9/2024 10:34 pm	Instrument	: GCMS 6
Sample	: wg1969041-3,32,,	Quant Date	: 9/11/2024 11:23 am

There are no manual integrations or false positives in this file.

Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 22 2024, 04:14 pm

Work Group: WG1969166 for Department: 32 GC/MS - Semivolatiles

Created: 09-SEP-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450199-01	BR-1_S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	0925	S0	Amber-A.25
L2450199-02	BR-1_I	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	0925	S0	Amber-A.25
L2450199-03	BR-1_D	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	0925	S0	Amber-A.25
L2450199-04	FIW_R_S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	0925	S0	Amber-A.25
L2450199-05	FIW_R_I	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	0925	S0	Amber-A.25
L2450199-14	BR-2_P7	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0910	0925	S0	Amber-A.25
L2450218-01	INFLUENT	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0911	0918	S0	Amber-A.25
L2450218-04	PERMEATE	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0911	0918	S0	Amber-A.25
L2450218-05	LGAC EFFLUENT (LEAD)	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0911	0918	S0	Amber-A.25
L2450218-06	LGAC EFFLUENT (LAG)	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0911	0918	S0	Amber-A.25
L2450424-02	BR-3_MP03	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	1001	S0	Amber-A.25
L2450424-03	BR-3_MP05	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	1001	S0	Amber-A.25
L2450424-04	BR-3_MP07	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	1001	S0	Amber-A.25
L2450594-10	SW-1	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0913	S0	Amber-A.25
L2450594-11	SW-2	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0913	S0	Amber-A.25
L2450594-12	MW-1D	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0913	0913	S0	Amber-A.25
L2450594-13	MW-1S	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0913	0913	S0	Amber-A.25
L2450594-14	MW-7D	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0913	0913	S0	Amber-A.25
L2450594-15	MW-7M	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0913	0913	S0	Amber-A.25
L2450594-16	MW-7S	C	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0913	0913	S0	Amber-A.25
L2450603-03	LMW-1A-090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450603-04	MW/RW-12A-090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450603-05	MW-1D-090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450603-06	EAB-BR-4-090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450603-17	X-07-090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450671-08	RES-7	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0923	S0	Amber-A.25
L2450671-09	RES-10	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0923	S0	Amber-A.25
L2450671-10	RES-11	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0923	S0	Amber-A.25
L2450671-11	DUP-4	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0923	S0	Amber-A.25
L2450786-03	MW-6A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0911	S0	Amber-A.25
L2450786-07	MW-8A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0911	S0	Amber-A.25
L2450786-09	MW-10A	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0912	0911	S0	Amber-A.25
L2450854-01	SYSEFF_090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0912	S0	Amber-A.25
L2450944-01	CPS-RW1_090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0913	S0	Amber-A.25
L2450944-02	CPS-RW2_090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0913	S0	Amber-A.25
L2450944-03	CPS-RW3_090524	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0912	0913	S0	Amber-A.25
L2451189-03	BR-3_MP09	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0910	1001	S0	Amber-A.25
L2451189-05	BR-3_MP11	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0910	1001	S0	Amber-A.25
L2451189-07	BR-3_MP01	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U	0911	1001	S0	Amber-A.25
WG1968569-1	Laboratory Method Bl	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1968569-2	Laboratory Control S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1968569-3	LCS Duplicate	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1968571-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1968571-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1968571-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1968576-1	Laboratory Method Bl	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1968576-2	Laboratory Control S	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1968576-3	LCS Duplicate	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1968576-4	Matrix Spike	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1968576-5	Duplicate Sample	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969039-1	Laboratory Method Bl	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969039-2	Laboratory Control S	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969039-3	LCS Duplicate	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969039-4	Duplicate Sample	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969039-5	Matrix Spike	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969041-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969041-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969041-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969042-1	Laboratory Method Bl	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969042-2	Laboratory Control S	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969042-3	LCS Duplicate	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969166-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 22 2024, 04:14 pm

Work Group: WG1969166 for Department: 32 GC/MS - Semivolatiles

Created: 09-SEP-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
WG1969166-1	MS DFTPP Tune Standa	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969166-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969166-2	Continuing Calibrati	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969166-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969166-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969166-3	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1969166-3	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969166-3	MS DFTPP Tune Standa	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969166-4	Continuing Calibrati	S	A2-MCP14DXSIM-PPB-21	WATER	DONE	U				
WG1969166-4	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1969166-4	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				

Comments:

WG1968569-3	WG1968569-2
WG1968571-3	WG1968571-2
WG1968576-3	WG1968576-2
WG1968576-4	L2450218-01
WG1968576-5	L2450218-04
WG1969039-3	WG1969039-2
WG1969039-4	L2450603-03
WG1969039-5	L2450603-04
WG1969041-3	WG1969041-2
WG1969042-3	WG1969042-2

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\JUL\JUL29\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F607292401.D	DFTPPGCMS6.M	T607292401	WG1952684,MSBU36	7/29/2024 8:40 am
2	F607292402.D	GCMS614DX@1U	I607292401	WG1952684,MSBU51	7/29/2024 9:17 am
3	F607292403.D	GCMS614DX@1U	I607292402	WG1952684,MSBU52	7/29/2024 9:40 am
4	F607292404.D	GCMS614DX@1U	I607292403	WG1952684,MSBU53	7/29/2024 10:01 am
5	F607292405.D	GCMS614DX@1U	I607292404	WG1952684,MSBU54	7/29/2024 10:23 am
6	F607292406.D	GCMS614DX@1U	I607292405	WG1952684,MSBU55	7/29/2024 10:45 am
7	F607292407.D	GCMS614DX@1U	I607292406	WG1952684,MSBU56	7/29/2024 11:07 am
8	F607292408.D	GCMS614DX@1U	I607292407	WG1952684,MSBU50	7/29/2024 11:29 am
9	F607292409.D	GCMS614DX@1U	CQ607292401	WG1952684,MSBU02	7/29/2024 11:50 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 53
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\SEP\SEP09\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F609092401.D	DFTPPGCMS6.M	WG1969166-1	WG1969166,WG1969042,ICA..	9/9/2024 8:57 am
2	F609092402.D	GCMS614DX@1U	WG1969166-2	WG1969166,WG1969042,ICA..	9/9/2024 9:36 am
3	F609092403.D	GCMS614DX@1U	WG1968569-1,32	WG1969166,WG1968569,ICA..	9/9/2024 10:55 am
4	F609092404.D	GCMS614DX@1U	WG1968569-2,32	WG1969166,WG1968569,ICA..	9/9/2024 11:19 am
5	F609092405.D	GCMS614DX@1U	WG1968569-3,32	WG1969166,WG1968569,ICA..	9/9/2024 11:43 am
6	F609092406.D	GCMS614DX@1U	l2450199-01,32,,	WG1969166,WG1968569,ICA..	9/9/2024 12:07 pm
7	F609092407.D	GCMS614DX@1U	l2450199-02,32,,	WG1969166,WG1968569,ICA..	9/9/2024 12:32 pm
8	F609092408.D	GCMS614DX@1U	l2450199-03,32,,	WG1969166,WG1968569,ICA..	9/9/2024 12:56 pm
9	F609092409.D	GCMS614DX@1U	l2450199-04,32,,	WG1969166,WG1968569,ICA..	9/9/2024 1:20 pm
10	F609092410.D	GCMS614DX@1U	l2450199-05,32,,	WG1969166,WG1968569,ICA..	9/9/2024 1:46 pm
11	F609092411.D	GCMS614DX@1U	l2450199-14,32,,	WG1969166,WG1968569,ICA..	9/9/2024 2:11 pm
12	F609092412.D	GCMS614DX@1U	l2450424-02,32,,	WG1969166,WG1968569,ICA..	9/9/2024 2:36 pm
13	F609092413.D	GCMS614DX@1U	l2450424-03,32,,	WG1969166,WG1968569,ICA..	9/9/2024 3:01 pm
14	F609092414.D	GCMS614DX@1U	l2450424-04,32,,	WG1969166,WG1968569,ICA..	9/9/2024 3:26 pm
15	F609092415.D	GCMS614DX@1U	l2450594-10,32,,	WG1969166,WG1968571,ICA..	9/9/2024 3:51 pm
16	F609092416.D	GCMS614DX@1U	l2450594-11,32,,	WG1969166,WG1968571,ICA..	9/9/2024 4:16 pm
17	F609092417.D	GCMS614DX@1U	l2450218-01,32,,	WG1969166,WG1968576,ICA..	9/9/2024 4:40 pm
18	F609092418.D	GCMS614DX@1U	wg1968576-4,32,,	WG1969166,WG1968576,ICA..	9/9/2024 5:05 pm
19	F609092419.D	GCMS614DX@1U	l2450218-04,32,,	WG1969166,WG1968576,ICA..	9/9/2024 5:29 pm
20	F609092420.D	GCMS614DX@1U	wg1968576-5,32,,	WG1969166,WG1968576,ICA..	9/9/2024 5:53 pm
21	F609092421.D	GCMS614DX@1U	l2450218-05,32,,	WG1969166,WG1968576,ICA..	9/9/2024 6:18 pm
22	F609092422.D	GCMS614DX@1U	l2450218-06,32,,	WG1969166,WG1968576,ICA..	9/9/2024 6:43 pm
23	F609092423.D	GCMS614DX@1U	l2450671-08,32,,	WG1969166,WG1968571,ICA..	9/9/2024 7:07 pm
24	F609092424.D	GCMS614DX@1U	l2450671-09,32,,	WG1969166,WG1968571,ICA..	9/9/2024 7:31 pm
25	F609092425.D	GCMS614DX@1U	l2450671-10,32,,	WG1969166,WG1968571,ICA..	9/9/2024 7:56 pm
26	F609092426.D	GCMS614DX@1U	l2450671-11,32,,	WG1969166,WG1968571,ICA..	9/9/2024 8:21 pm
27	F609092427.D	DFTPPGCMS6.M	WG1969166-3	WG1969166,WG1969042,ICA..	9/9/2024 8:41 pm
28	F609092428.D	GCMS614DX@1U	WG1969166-4	WG1969166,WG1969042,ICA..	9/9/2024 9:20 pm
29	F609092429.D	GCMS614DX@1U	wg1969042-1,32,,	WG1969166,WG1969042,ICA..	9/9/2024 9:45 pm
30	F609092430.D	GCMS614DX@1U	wg1969042-2,32,,	WG1969166,WG1969042,ICA..	9/9/2024 10:10 pm
31	F609092431.D	GCMS614DX@1U	wg1969042-3,32,,	WG1969166,WG1969042,ICA..	9/9/2024 10:34 pm
32	F609092432.D	GCMS614DX@1U	l2450603-03,32,,	WG1969166,WG1969039,ICA..	9/9/2024 10:59 pm
33	F609092433.D	GCMS614DX@1U	wg1969039-4,32,,	WG1969166,WG1969039,ICA..	9/9/2024 11:23 pm
34	F609092434.D	GCMS614DX@1U	l2450603-04,32,,	WG1969166,WG1969039,ICA..	9/9/2024 11:47 pm
35	F609092435.D	GCMS614DX@1U	wg1969039-5,32,,	WG1969166,WG1969039,ICA..	9/10/2024 12:11 am
36	F609092436.D	GCMS614DX@1U	l2450603-05,32,,	WG1969166,WG1969039,ICA..	9/10/2024 12:35 am
37	F609092437.D	GCMS614DX@1U	l2450603-06,32,,	WG1969166,WG1969039,ICA..	9/10/2024 12:59 am
38	F609092438.D	GCMS614DX@1U	l2450603-17,32,,	WG1969166,WG1969039,ICA..	9/10/2024 1:23 am
39	F609092439.D	GCMS614DX@1U	l2450854-01,32,,	WG1969166,WG1969039,ICA..	9/10/2024 1:47 am
40	F609092440.D	GCMS614DX@1U	l2450944-01,32,,	WG1969166,WG1969039,ICA..	9/10/2024 2:11 am
41	F609092441.D	GCMS614DX@1U	l2450944-02,32,,	WG1969166,WG1969039,ICA..	9/10/2024 2:35 am
42	F609092442.D	GCMS614DX@1U	l2450944-03,32,,	WG1969166,WG1969039,ICA..	9/10/2024 2:59 am
43	F609092443.D	GCMS614DX@1U	l2450594-12,32,,	WG1969166,WG1969041,ICA..	9/10/2024 3:23 am
44	F609092444.D	GCMS614DX@1U	l2450594-13,32,,	WG1969166,WG1969041,ICA..	9/10/2024 3:47 am
45	F609092445.D	GCMS614DX@1U	l2450594-14,32,,	WG1969166,WG1969041,ICA..	9/10/2024 4:11 am
46	F609092446.D	GCMS614DX@1U	l2450594-15,32,,	WG1969166,WG1969041,ICA..	9/10/2024 4:35 am
47	F609092447.D	GCMS614DX@1U	l2450594-16,32,,	WG1969166,WG1969041,ICA..	9/10/2024 5:00 am
48	F609092448.D	GCMS614DX@1U	l2450786-03,32,,	WG1969166,WG1969041,ICA..	9/10/2024 5:24 am
49	F609092449.D	GCMS614DX@1U	l2450786-07,32,,	WG1969166,WG1969041,ICA..	9/10/2024 5:48 am
50	F609092450.D	GCMS614DX@1U	l2450786-09,32,,	WG1969166,WG1969041,ICA..	9/10/2024 6:13 am
51	F609092451.D	GCMS614DX@1U	l2451189-03,32,,	WG1969166,WG1969042,ICA..	9/10/2024 6:38 am
52	F609092452.D	GCMS614DX@1U	l2451189-05,32,,	WG1969166,WG1969042,ICA..	9/10/2024 7:02 am
53	F609092453.D	GCMS614DX@1U	l2451189-07,32,,	WG1969166,WG1969042,ICA..	9/10/2024 7:27 am

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ORGANIC ELN REPORT

Workgroup: WG1969041

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: 1,4-DIOXANE
Spike Type: 1,4-DIOXANE
Spike Verify by: KAR
Lims Spikelot: 14DIOXANE

Lot #: EI926-US
Lot #: MSBU58
Lot #: MSBU59

Additional Reagents/Stds

Glass Wool	16022999
Na2SO4	23K2961078

Conc.Method: S-EVAP
Solvent Type: DCM
Lot #: EI926-US

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450594-12 WATER	09/09/24 07:30	Eileen Griffin	250	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450594-13 WATER	09/09/24 07:30	Eileen Griffin	260	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450594-14 WATER	09/09/24 07:30	Eileen Griffin	260	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450594-15 WATER	09/09/24 07:30	Eileen Griffin	250	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450594-16 WATER	09/09/24 07:30	Eileen Griffin	250	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450786-03 SAMP	09/09/24 07:30	Eileen Griffin	260	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
L2450786-07 SAMP	09/09/24 07:30	Eileen Griffin	260	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3

Reported: 22-OCT-24 04:14 PM

ORGANIC ELN REPORT

Workgroup: WG1969041

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450786-09 SAMP	09/09/24 07:30	Eileen Griffin	250	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
WG1969041-1 BLANK	09/09/24 07:30	Eileen Griffin	250	7	.25		09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
	SHARES QC'S WITH WG1969039_42									
WG1969041-2 LCS	09/09/24 07:30	Eileen Griffin	250	7	.25	.25	09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3
WG1969041-3 LCSD	09/09/24 07:30	Eileen Griffin	250	7	.25	.25	09/09/24 11:00	Eileen Griffin	2.5	SEVAP 3

Reported: 22-OCT-24 04:14 PM

GC Extractable Analysis
Herbicides

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

GC Column 1: STX-CLP1
GC Column 2: STX-CLP2

CLIENT ID (LAB SAMPLE NO.)	1 %REC	2 %REC	1 %REC	2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-5A (L2450786-01)	87	85	--	--			0
MW-5B (L2450786-02)	76	76	--	--			0
MW-6A (L2450786-03)	47	53	--	--			0
MW-6B (L2450786-04)	77	77	--	--			0
MW-7A (L2450786-05)	88	88	--	--			0
MW-7B (L2450786-06)	79	86	--	--			0
MW-8A (L2450786-07)	59	63	--	--			0
MW-8B (L2450786-08)	59	65	--	--			0
MW-10A (L2450786-09)	64	66	--	--			0
MW-10B (L2450786-10)	82	80	--	--			0
DUP (L2450786-12)	80	81	--	--			0
WG1968926-1BLANK	94	92	--	--			0
WG1968926-2LCS	50	51	--	--			0
WG1968926-3LCSD	99	109	--	--			0

QC LIMITS
(30-150) S1 = DCAA

*** Values outside of QC limits**

FORM II HERB-8151

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968926-2	**Analysis Date** : 09/10/24 08:33	**File ID** : 22240910a-03
LCSD Sample ID	: WG1968926-3	**Analysis Date** : 09/10/24 08:51	**File ID** : 22240910a-04

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD		Recovery Limits	RPD Limit
MCPP	500	262	52	500	586	117	77	Q	30-150	25
MCPA	500	ND	89	500	487	97	9		30-150	25
Dalapon	5	2.69	54	5	3.27	65	18		30-150	25
Dicamba	5	3.22	64	5	4.91	98	42	Q	30-150	25
Dichloroprop	5	3.08	62	5	4.90	98	45	Q	30-150	25
2,4-D	5	2.92	58	5	4.61	92	45	Q	30-150	25
2,4-DB	5	ND	88	5	5.55	111	23		30-150	25
2,4,5-T	5	3.61	72	5	4.66	93	25		30-150	25
2,4,5-TP (Silvex)	5	3.12	62	5	4.46	89	36	Q	30-150	25
Dinoseb	5	1.99	40	5	3.50	70	55	Q	30-150	25

Method Blank Summary
Form 4
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Lab Sample ID	**: WG1968926-1**	**Lab File ID**	**: 22240910a-02**
Matrix	**: WATER**	**Extraction Date**	**: 09/08/24**
Analysis Date (1)	**: 09/10/24 08:14**	**Analysis Date (2)**	**: 09/10/24 08:14**
Instrument ID (1)	**: PEST22**	**Instrument ID (2)**	**: PEST22**

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1968926-2LCS	WG1968926-2	09/10/24 08:33	09/10/24 08:33
WG1968926-3LCSD	WG1968926-3	09/10/24 08:51	09/10/24 08:51
MW-5A	L2450786-01	09/10/24 12:15	09/10/24 12:15
MW-5B	L2450786-02	09/10/24 12:34	09/10/24 12:34
MW-6A	L2450786-03	09/10/24 13:11	09/10/24 13:11
MW-6B	L2450786-04	09/10/24 13:29	09/10/24 13:29
MW-7A	L2450786-05	09/10/24 13:48	09/10/24 13:48
MW-7B	L2450786-06	09/10/24 14:06	09/10/24 14:06
MW-8A	L2450786-07	09/10/24 14:25	09/10/24 14:25
MW-8B	L2450786-08	09/10/24 14:44	09/10/24 14:44
MW-10A	L2450786-09	09/10/24 15:02	09/10/24 15:02
MW-10B	L2450786-10	09/10/24 15:21	09/10/24 15:21
DUP	L2450786-12	09/10/24 15:39	09/10/24 15:39

Analytical Sequence
Form 8b
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST22**	**Initial Calib. Date(s)**	**: 07/16/24 07/16/24**

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1853708-1	07/16/24 15:28
Herbicides L2	R1853708-2	07/16/24 15:47
Herbicides L3	R1853708-3	07/16/24 16:06
Herbicides L4	R1853708-4	07/16/24 16:24
Herbicides L5	R1853708-5	07/16/24 16:43
Herbicides L6	R1853708-6	07/16/24 17:01
R1853708-7 ICV	R1853708-7	07/16/24 17:20
WG1969563-1 CCAL	WG1969563-1	09/10/24 06:50
WG1968926-1 BLANK	WG1968926-1	09/10/24 08:14
WG1968926-2 LCS	WG1968926-2	09/10/24 08:33
WG1968926-3 LCSD	WG1968926-3	09/10/24 08:51
MW-5A	L2450786-01	09/10/24 12:15
MW-5B	L2450786-02	09/10/24 12:34
WG1969563-2 CCAL	WG1969563-2	09/10/24 12:52
MW-6A	L2450786-03	09/10/24 13:11
MW-6B	L2450786-04	09/10/24 13:29
MW-7A	L2450786-05	09/10/24 13:48
MW-7B	L2450786-06	09/10/24 14:06
MW-8A	L2450786-07	09/10/24 14:25
MW-8B	L2450786-08	09/10/24 14:44
MW-10A	L2450786-09	09/10/24 15:02
MW-10B	L2450786-10	09/10/24 15:21
DUP	L2450786-12	09/10/24 15:39

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14024-1
Page: 1

Herbicides -EPA 8151A Long List (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	500	58.5	ug/l	30-150	25	30-150	25	25			
MCPA	94-74-6	500	63.2	ug/l	30-150	25	30-150	25	25			
Dalapon	75-99-0	20	0.81	ug/l	30-150	25	30-150	25	25			
Dicamba	1918-00-9	1	0.243	ug/l	30-150	25	30-150	25	25			
Dichloroprop	120-36-5	10	0.564	ug/l	30-150	25	30-150	25	25			
2,4-D	94-75-7	10	0.498	ug/l	30-150	25	30-150	25	25			
2,4-DB	94-82-6	10	0.729	ug/l	30-150	25	30-150	25	25			
2,4,5-T	93-76-5	2	0.531	ug/l	30-150	25	30-150	25	25			
2,4,5-TP (Silvex)	93-72-1	2	0.539	ug/l	30-150	25	30-150	25	25			
Dinoseb	88-85-7	5	0.573	ug/l	30-150	25	30-150	25	25			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Herbicides -EPA 8151A Long List (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	3.33	1.04895	mg/kg	30-150	30	30-150	30	30			
MCPA	94-74-6	3.33	0.94239	mg/kg	30-150	30	30-150	30	30			
Dalapon	75-99-0	0.0333	0.0108891	mg/kg	30-150	30	30-150	30	30			
Dicamba	1918-00-9	0.0333	0.0055944	mg/kg	30-150	30	30-150	30	30			
Dichloroprop	120-36-5	0.0333	0.0095571	mg/kg	30-150	30	30-150	30	30			
2,4-D	94-75-7	0.1665	0.0104895	mg/kg	30-150	30	30-150	30	30			
2,4-DB	94-82-6	0.1665	0.0085581	mg/kg	30-150	30	30-150	30	30			
2,4,5-T	93-76-5	0.1665	0.0051615	mg/kg	30-150	30	30-150	30	30			
2,4,5-TP (Silvex)	93-72-1	0.1665	0.0044289	mg/kg	30-150	30	30-150	30	30			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Herbicide Sample Data

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:15
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-15	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 12:34
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-16	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:11
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-18	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:29
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-19	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:48
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-20	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:06
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-21	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:25
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-22	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:44
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-23	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:02
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-24	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:21
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-25	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:39
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-26	**Analyst**	: EJL
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968926-1	**Date Collected**	: NA
Client ID	: WG1968926-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 08:14
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240910a-02	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-65-2	MCPP	ND	500	58.5	U
94-74-6	MCPA	ND	500	63.2	U
75-99-0	Dalapon	ND	20.0	0.810	U
1918-00-9	Dicamba	ND	1.00	0.243	U
120-36-5	Dichloroprop	ND	10.0	0.564	U
94-75-7	2,4-D	ND	10.0	0.498	U
94-82-6	2,4-DB	ND	10.0	0.729	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U
88-85-7	Dinoseb	ND	5.00	0.573	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:15 pm
Operator : pest22:ejl
Sample : L2450786-01,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:05:44 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-01.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.440	1170.8E6	1450.8E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 1123535338				Recovery = 104.21%		
	Standard Area 1 : #2 = 1363960270				Recovery = 106.37%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	396.0E6	477.9E6	0.436M4	0.424M4
	Spiked Amount 0.500	Range 30 - 150		Recovery =	87.20%	84.80%	
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D.

SemiQuant Compounds - Not Calibrated on this Instrument

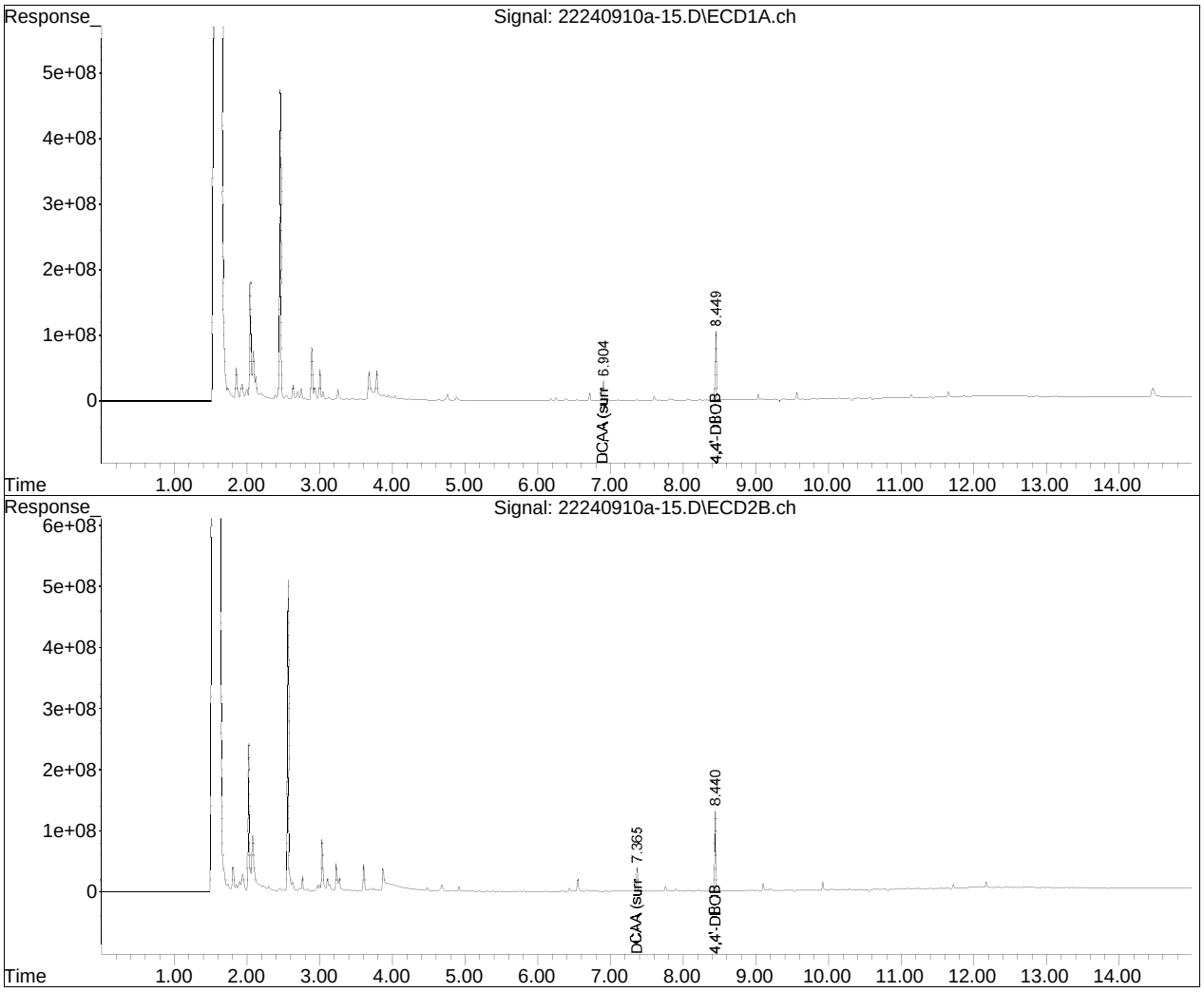
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-01.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:15 pm
Operator : pest22:ejl
Sample : L2450786-01,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:05:44 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

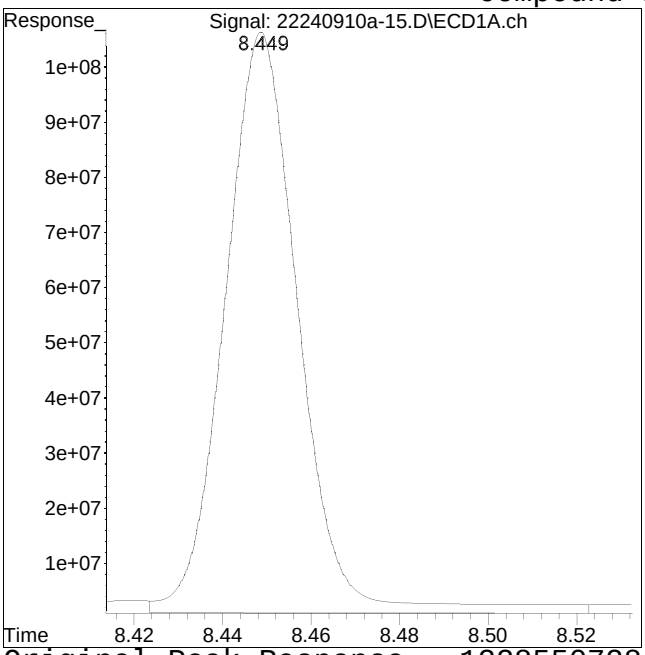
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

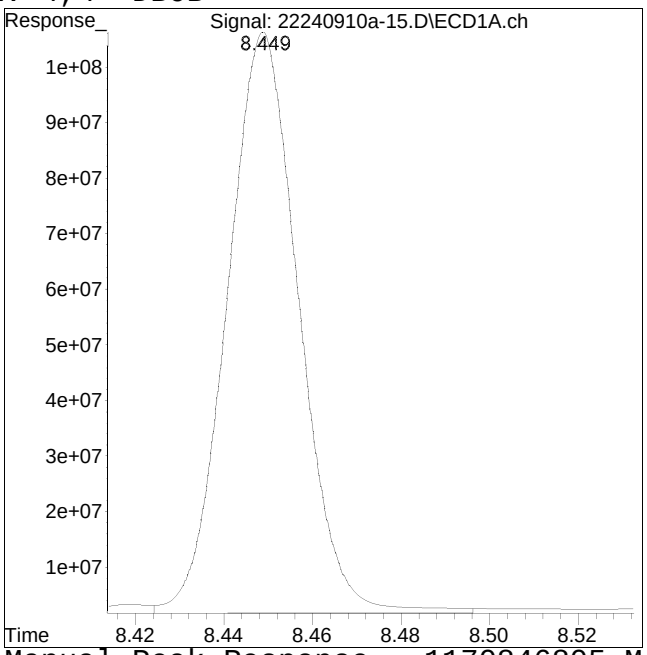


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-15.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:15 pm Instrument : Pest22
Sample : L2450786-01,42,, Quant Date : 9/10/2024 1:05 pm

Compound #1: 4,4'-DBOB



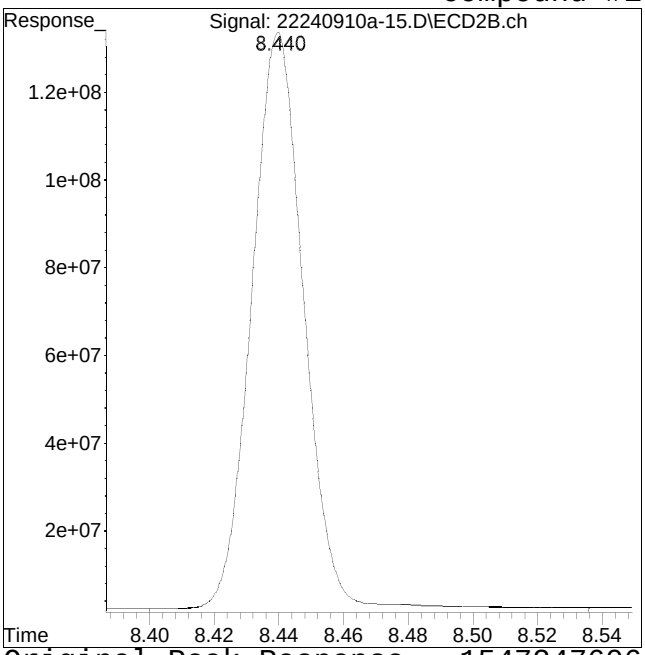


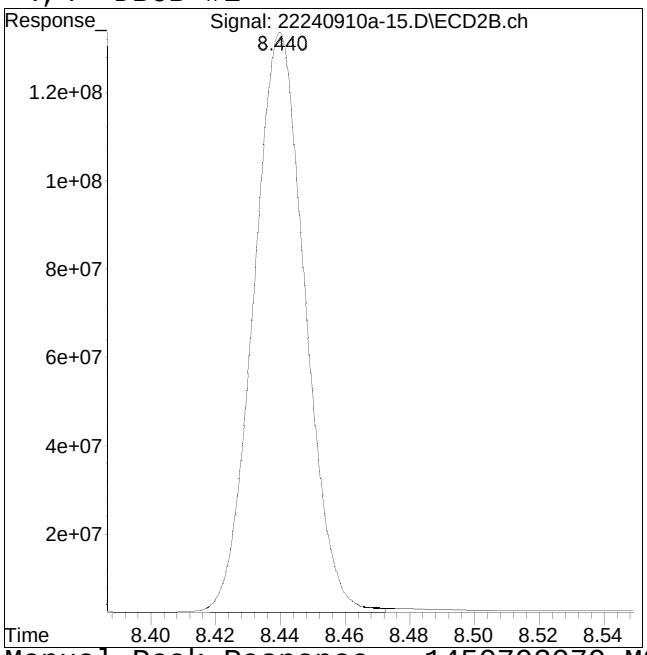
Original Peak Response = 1228550728 Manual Peak Response = 1170846805 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-15.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:15 pm Instrument : Pest22
Sample : L2450786-01,42,, Quant Date : 9/10/2024 1:05 pm

Compound #14: 4,4'-DBOB #2



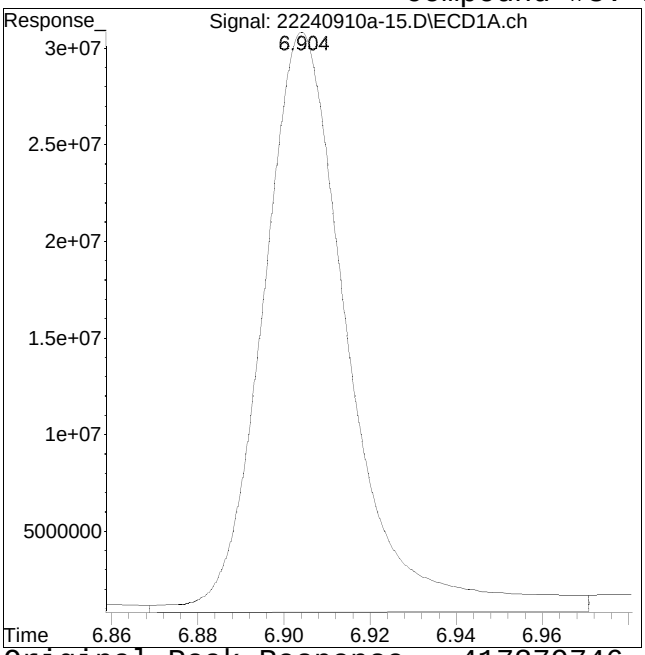


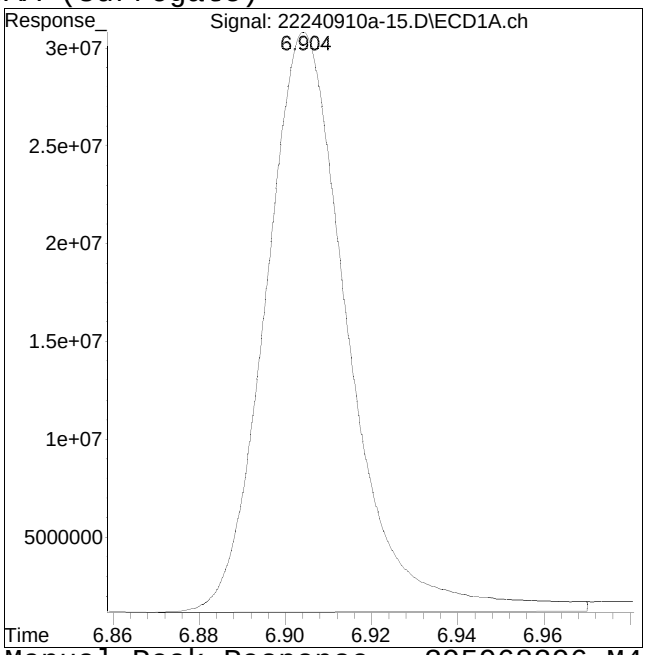
Original Peak Response = 1547247606 Manual Peak Response = 1450793979 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-15.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:15 pm Instrument : Pest22
Sample : L2450786-01,42,, Quant Date : 9/10/2024 1:05 pm

Compound #3: DCAA (surrogate)



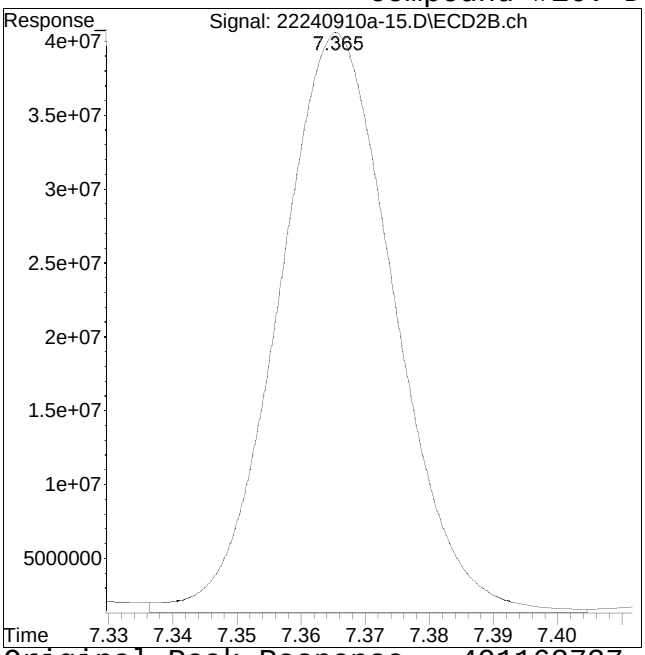


Original Peak Response = 417379746 Manual Peak Response = 395968296 M4
M4 = Poor automated baseline construction.

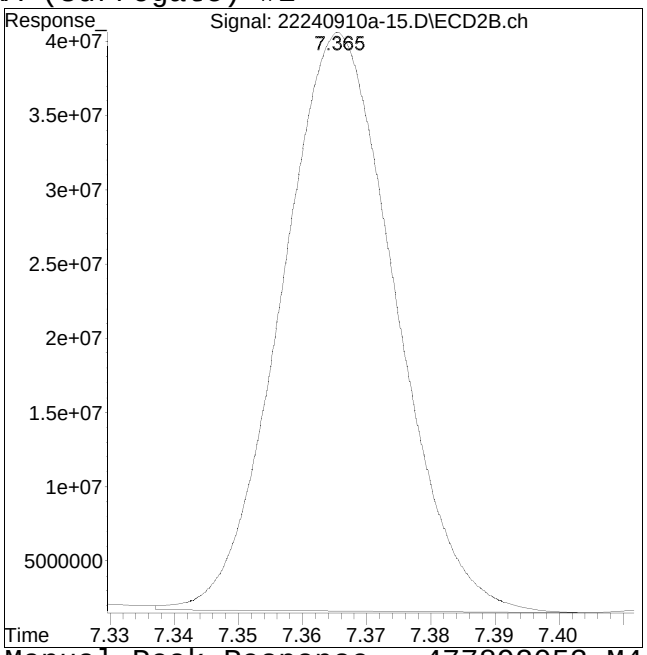
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-15.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:15 pm Instrument : Pest22
Sample : L2450786-01,42,, Quant Date : 9/10/2024 1:05 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 491162737



Manual Peak Response = 477892053 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:34 pm
Operator : pest22:ejl
Sample : L2450786-02,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:05:46 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-01.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1118.8E6	1384.3E6	0.250M3	0.250M3
	Standard Area 1 : #1 = 1123535338				Recovery = 99.58%		
	Standard Area 1 : #2 = 1363960270				Recovery = 101.49%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.905	7.366	328.6E6	406.7E6	0.378M4	0.378
	Spiked Amount	0.500	Range 30 - 150		Recovery =	75.60%	75.60%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D.	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D.

SemiQuant Compounds - Not Calibrated on this Instrument

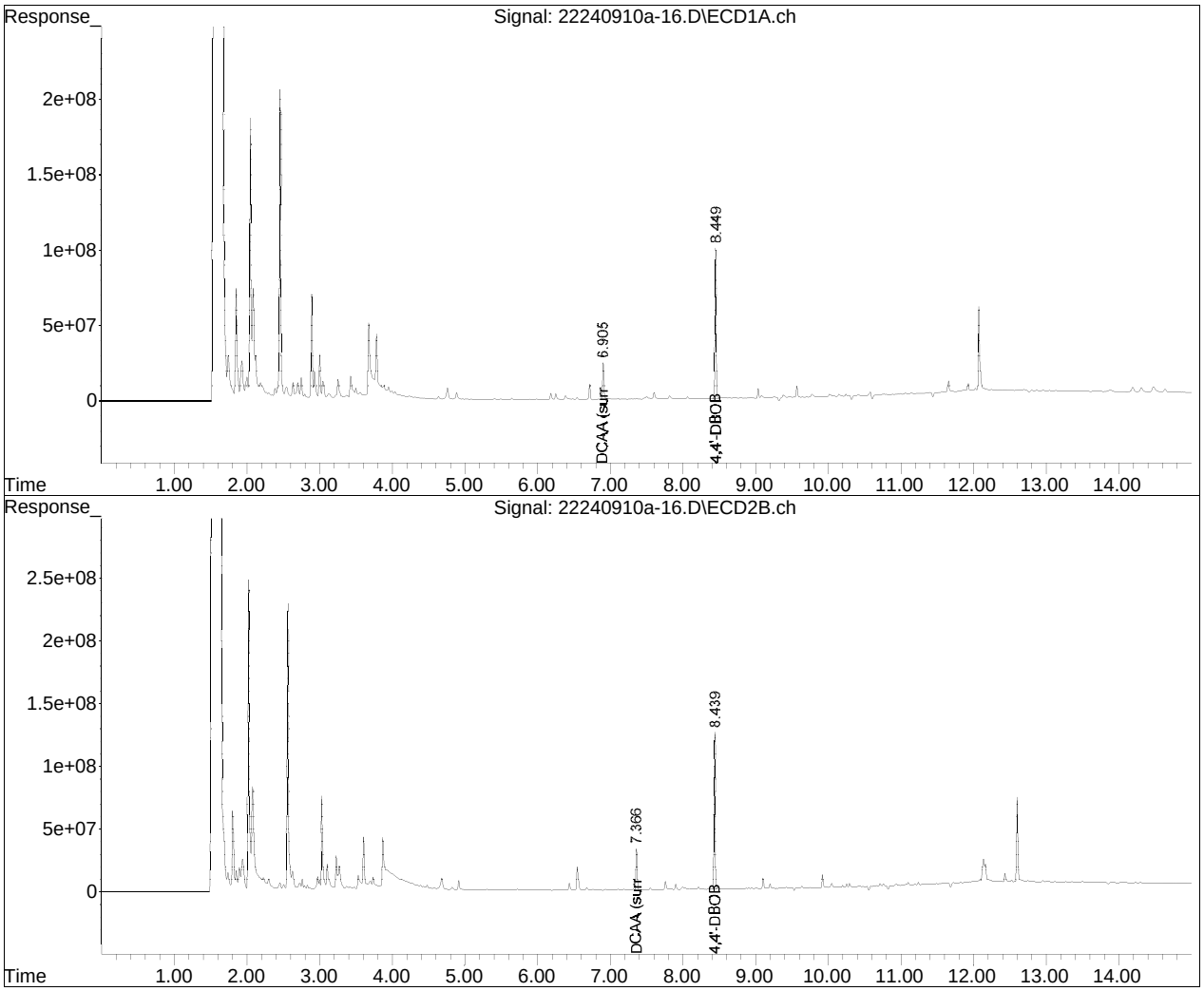
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-01.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:34 pm
Operator : pest22:ejl
Sample : L2450786-02,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:05:46 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

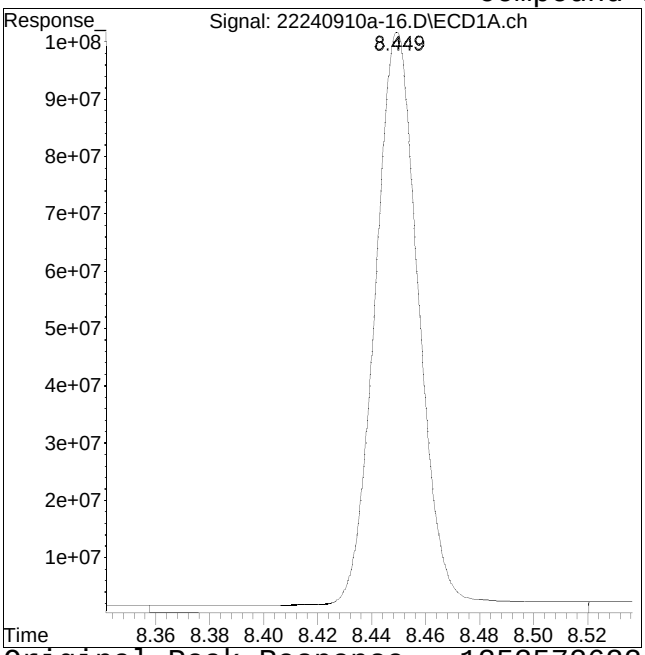
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

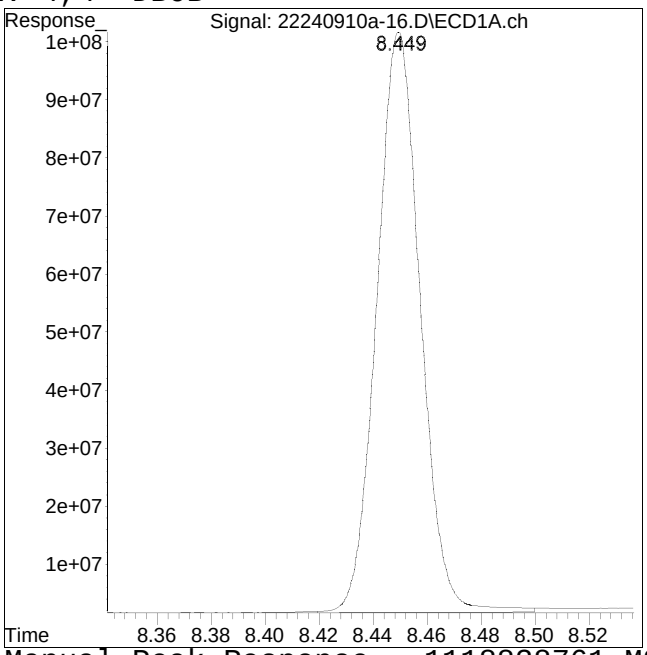


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-16.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:34 pm Instrument : Pest22
Sample : L2450786-02,42,, Quant Date : 9/10/2024 1:05 pm

Compound #1: 4,4'-DBOB



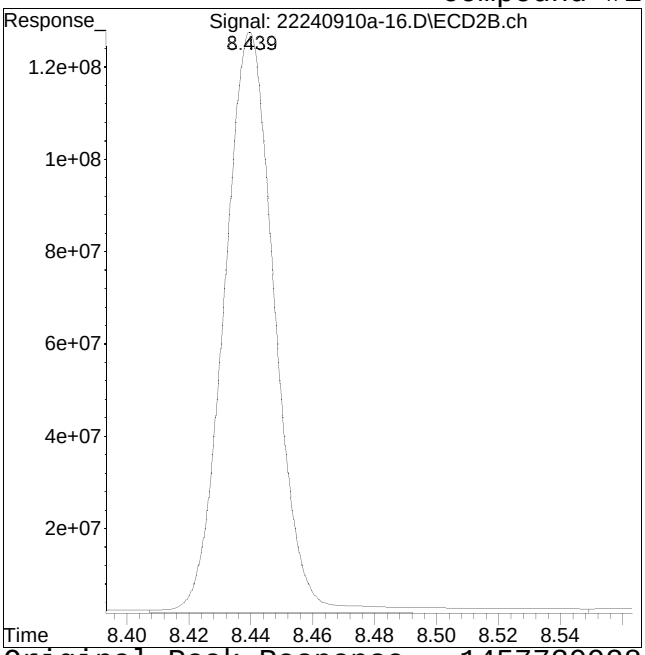


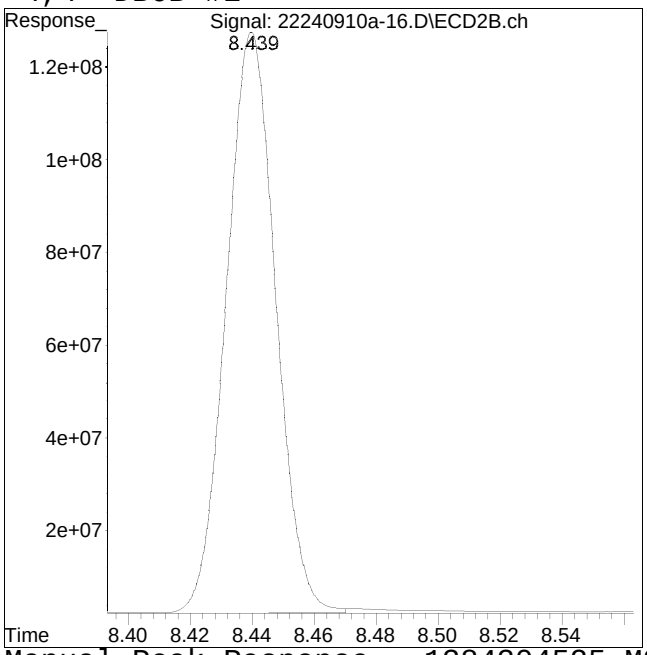
Original Peak Response = 1253572622 Manual Peak Response = 1118838761 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-16.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:34 pm Instrument : Pest22
Sample : L2450786-02,42,, Quant Date : 9/10/2024 1:05 pm

Compound #14: 4,4'-DBOB #2



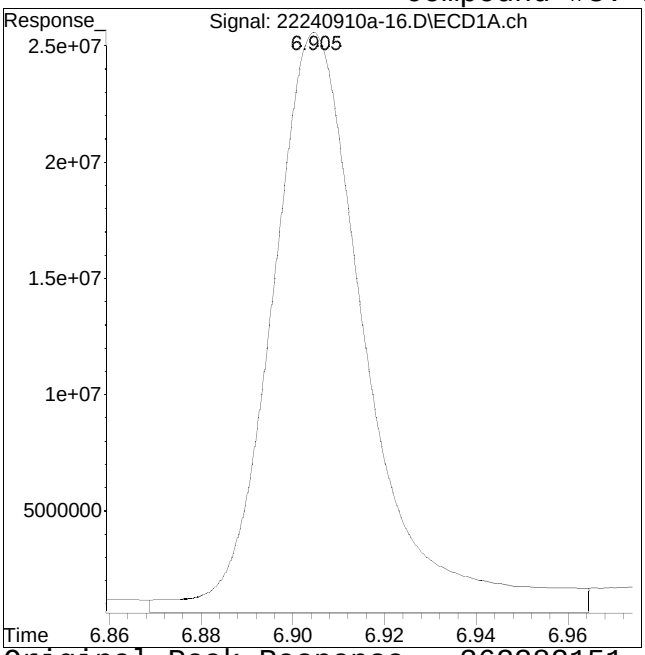


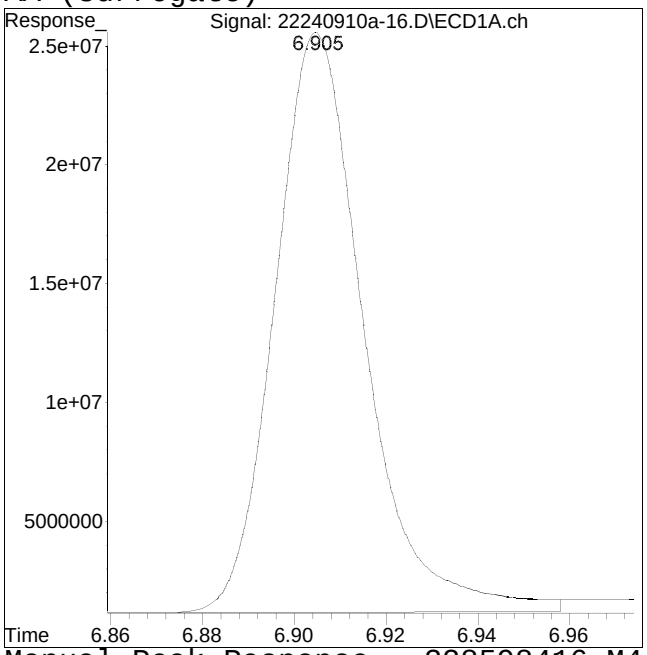
Original Peak Response = 1457739928 Manual Peak Response = 1384304525 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-16.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:34 pm Instrument : Pest22
Sample : L2450786-02,42,, Quant Date : 9/10/2024 1:05 pm

Compound #3: DCAA (surrogate)





Original Peak Response = 362382151 Manual Peak Response = 328598416 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:11 pm
Operator : pest22:ejl
Sample : L2450786-03,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:37:07 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.440	1160.7E6	1462.0E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 1210212639				Recovery =	95.91%	
	Standard Area 1 : #2 = 1471202998				Recovery =	99.38%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.906	7.366	213.2E6	298.6E6	0.237M3	0.263M3
	Spiked Amount	0.500	Range 30 - 150		Recovery =	47.40%	52.60%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D.	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D.	N.D.
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

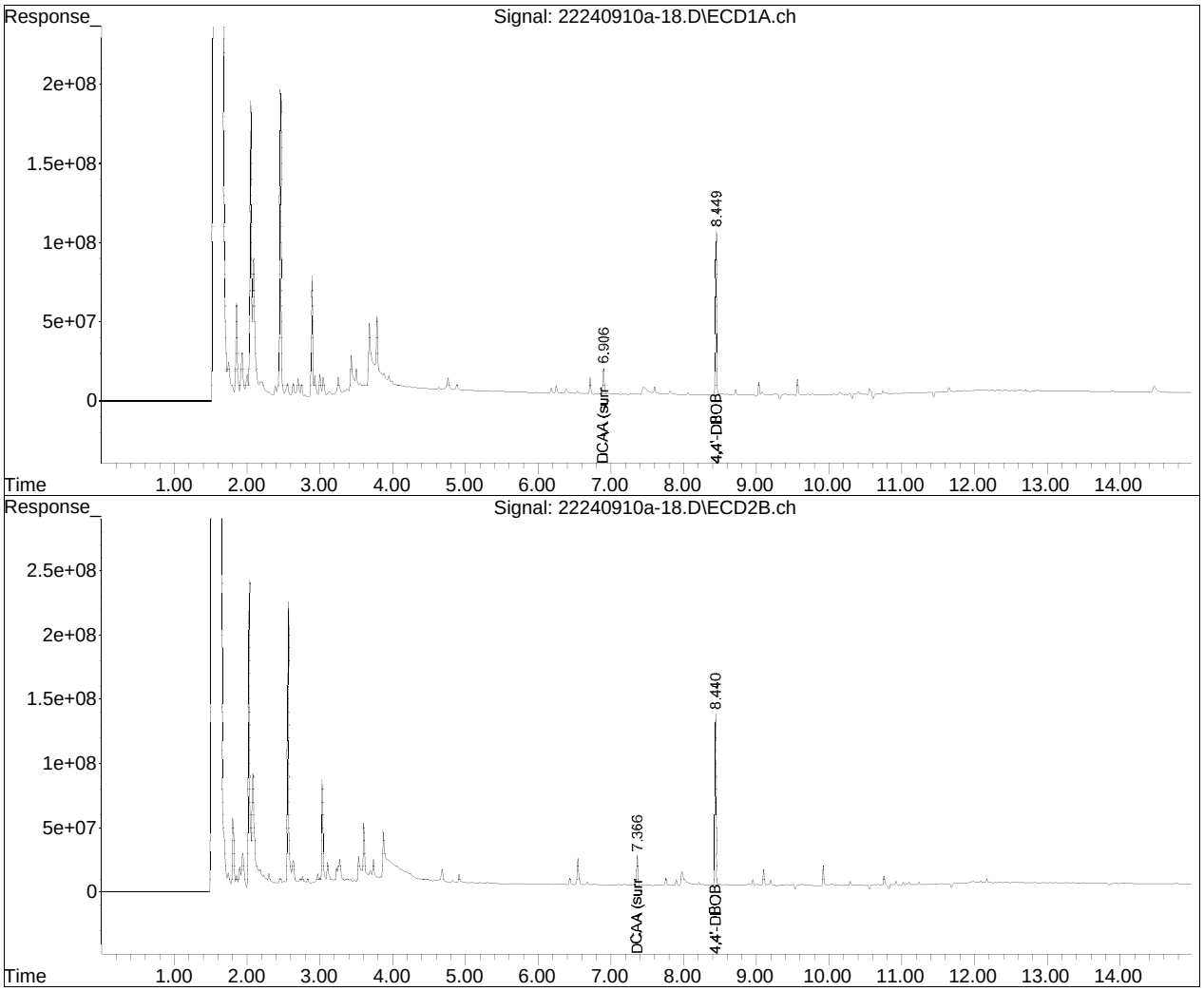
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:11 pm
Operator : pest22:ejl
Sample : L2450786-03,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:37:07 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

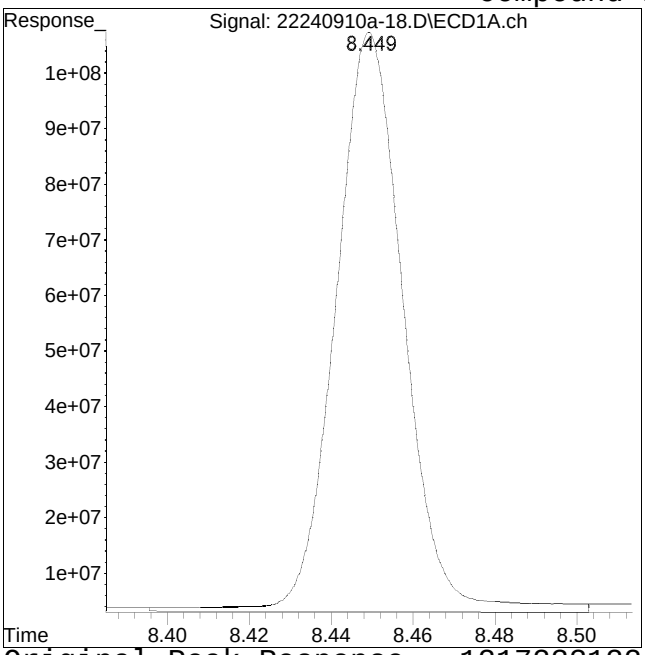
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

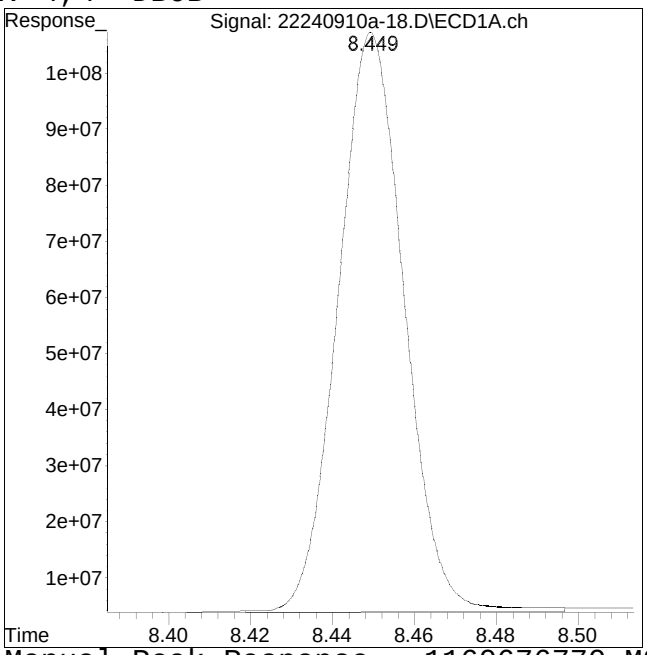


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-18.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:11 pm Instrument : Pest22
Sample : L2450786-03,42,, Quant Date : 9/10/2024 1:37 pm

Compound #1: 4,4'-DBOB



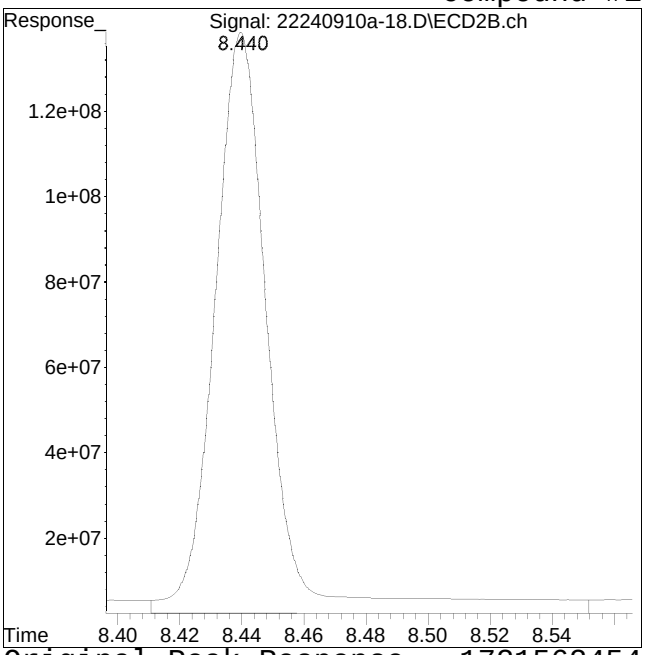


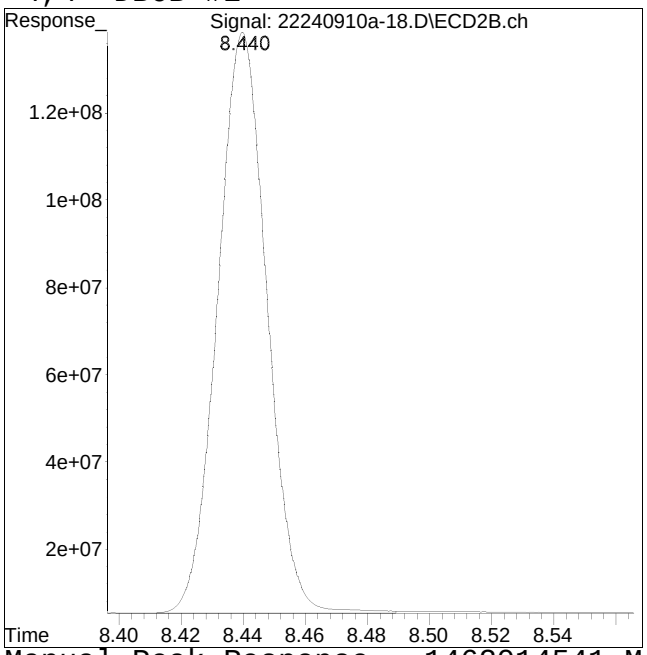
Original Peak Response = 1217233122 Manual Peak Response = 1160676770 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-18.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:11 pm Instrument : Pest22
Sample : L2450786-03,42,, Quant Date : 9/10/2024 1:37 pm

Compound #14: 4,4'-DBOB #2



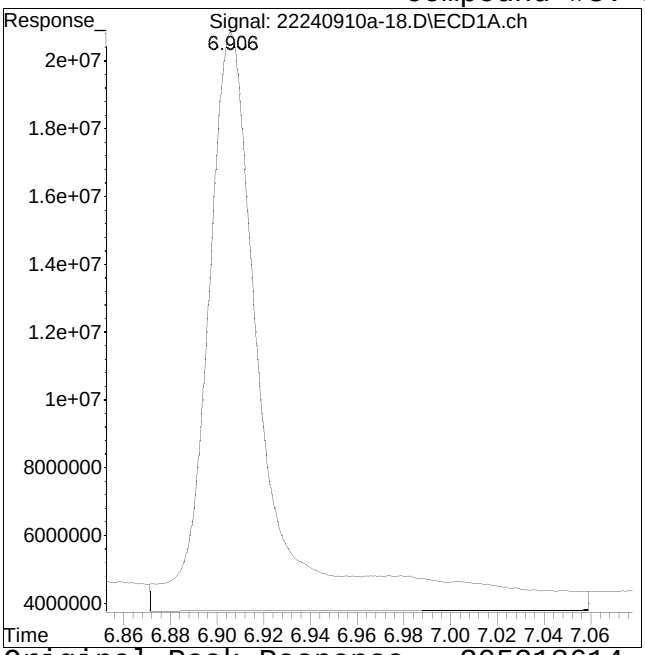


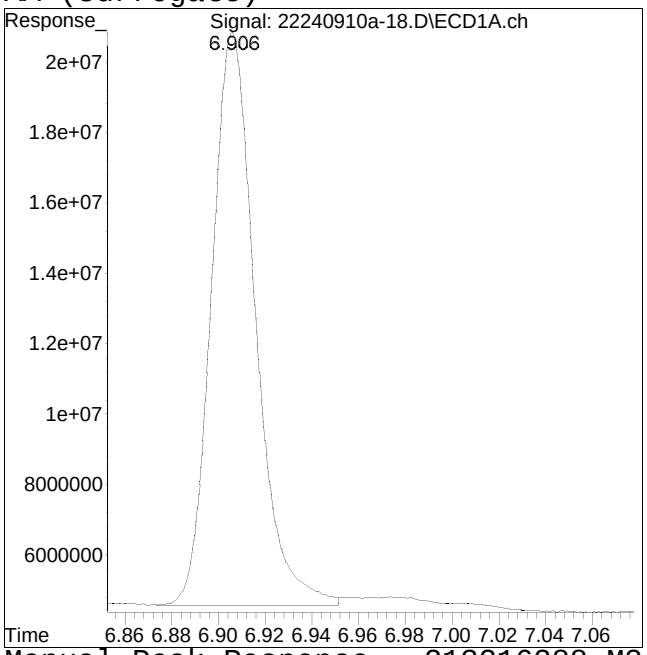
Original Peak Response = 1721562454 Manual Peak Response = 1462014541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-18.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:11 pm Instrument : Pest22
Sample : L2450786-03,42,, Quant Date : 9/10/2024 1:37 pm

Compound #3: DCAA (surrogate)



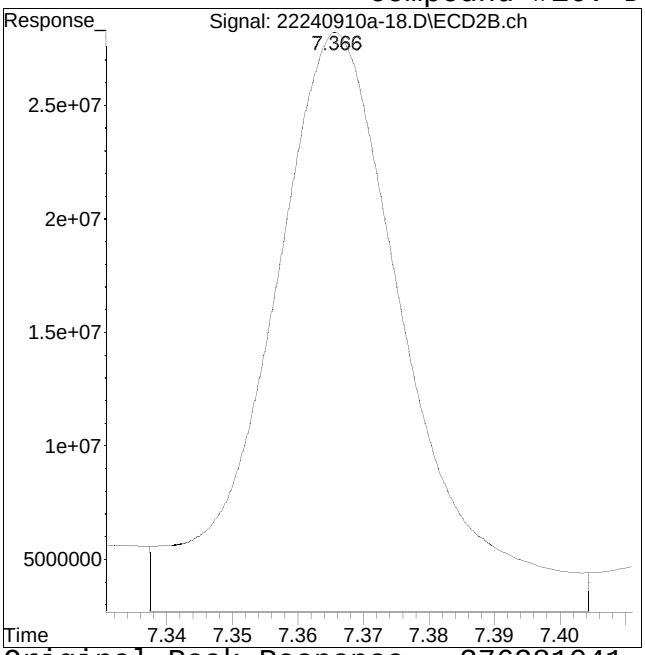


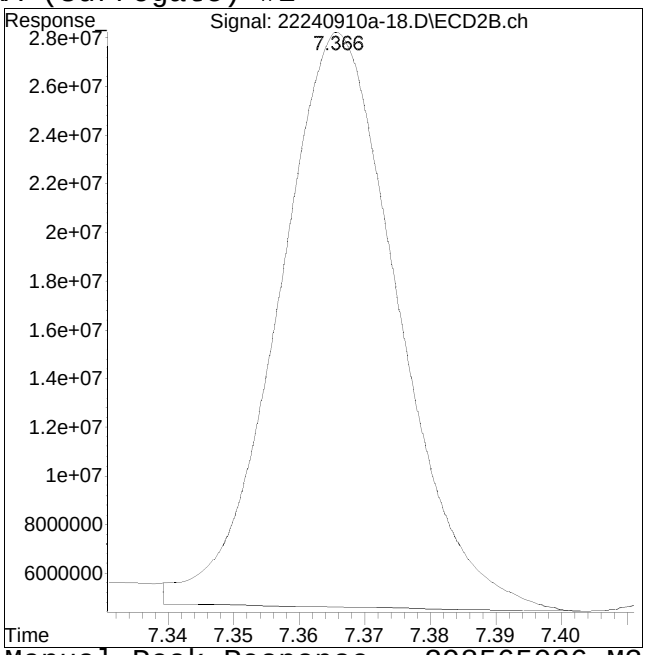
Original Peak Response = 305213614 Manual Peak Response = 213216288 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-18.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:11 pm Instrument : Pest22
Sample : L2450786-03,42,, Quant Date : 9/10/2024 1:37 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 376381041 Manual Peak Response = 298565026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:29 pm
Operator : pest22:ejl
Sample : L2450786-04,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:03 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1277.4E6	1574.1E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 1210212639				Recovery = 105.55%		
	Standard Area 1 : #2 = 1471202998				Recovery = 107.00%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.903	7.365	382.5E6	472.8E6	0.386M3	0.387M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	77.20%	77.40%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D.	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D.

SemiQuant Compounds - Not Calibrated on this Instrument

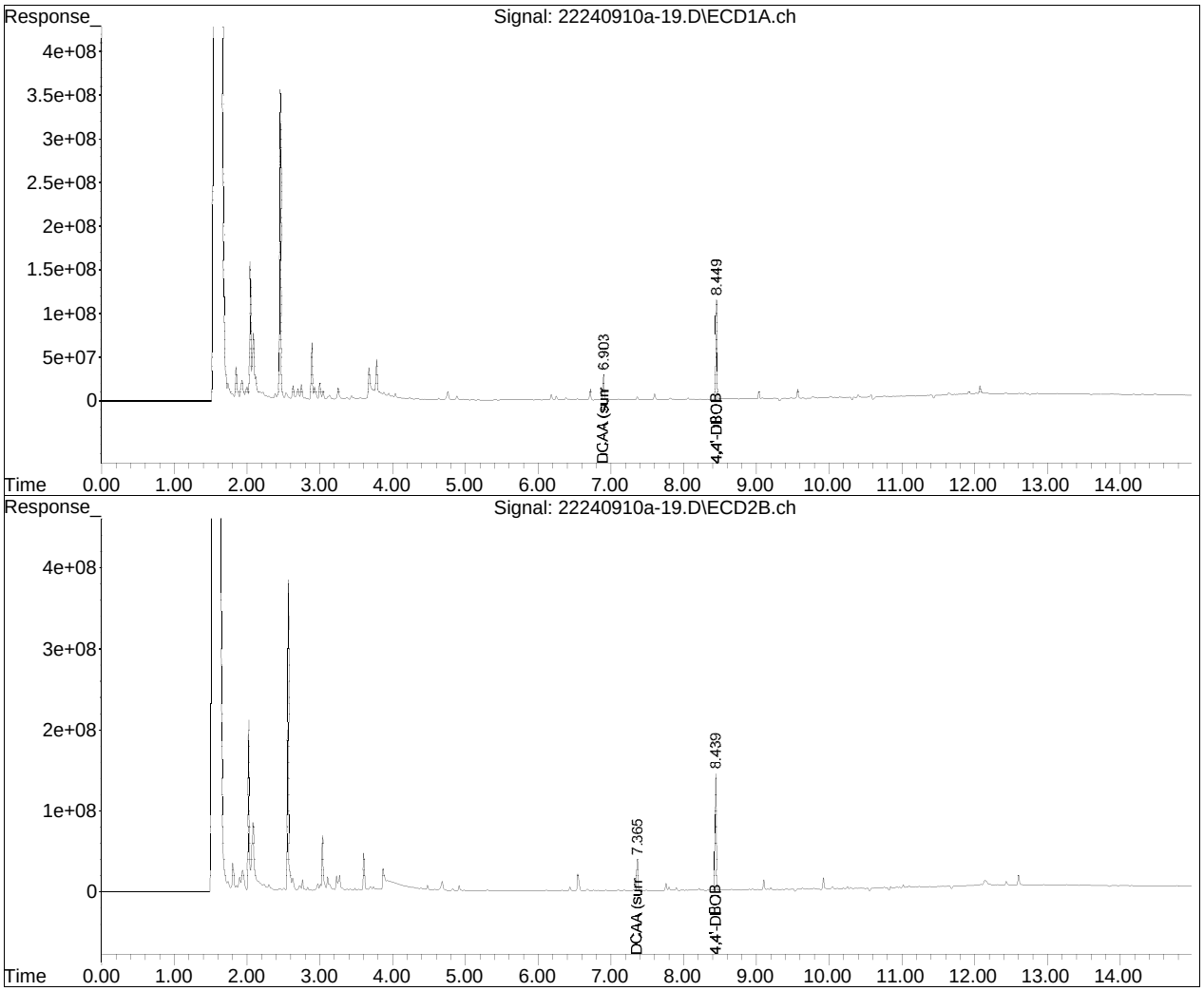
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:29 pm
Operator : pest22:ejl
Sample : L2450786-04,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:03 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

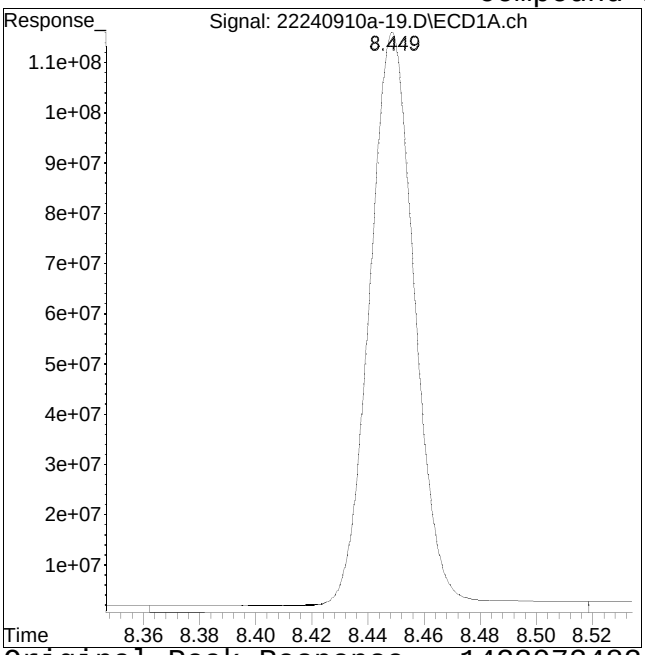
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

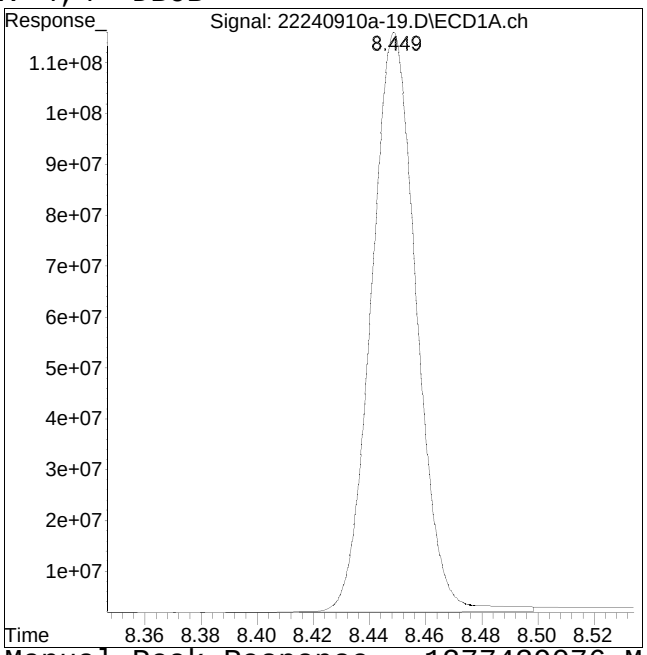


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-19.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:29 pm Instrument : Pest22
Sample : L2450786-04,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



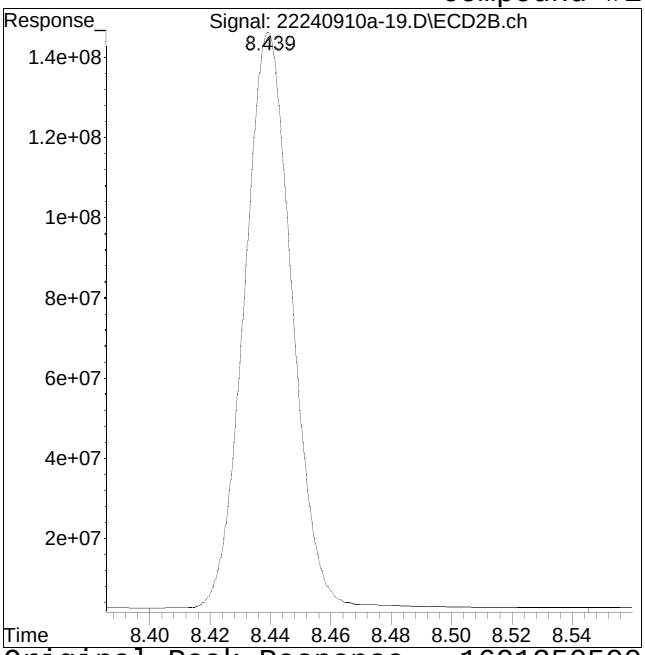


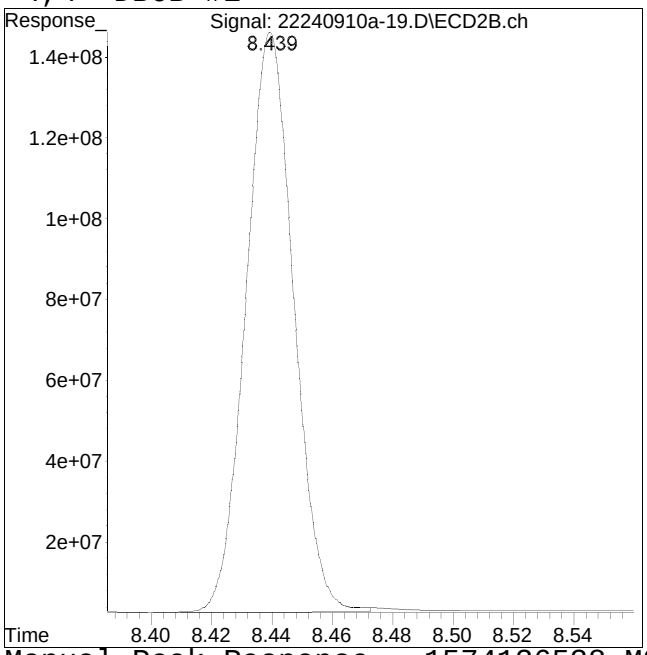
Original Peak Response = 1423073483 Manual Peak Response = 1277439076 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-19.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:29 pm Instrument : Pest22
Sample : L2450786-04,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



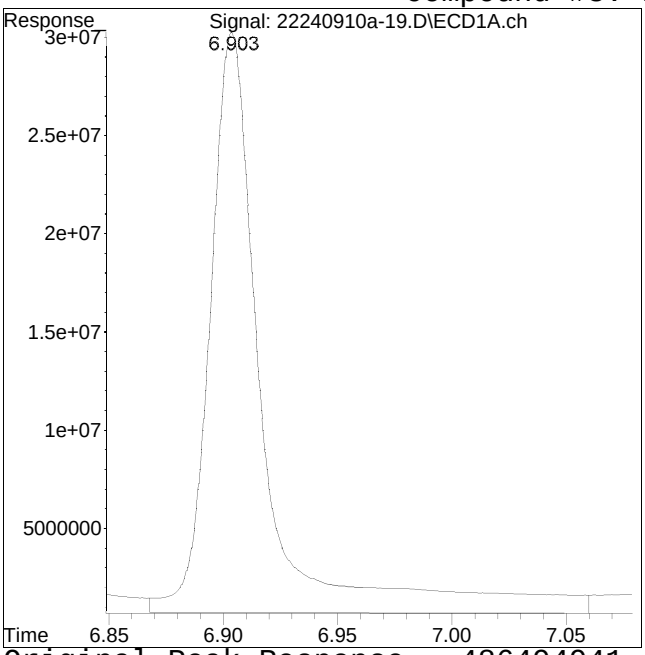


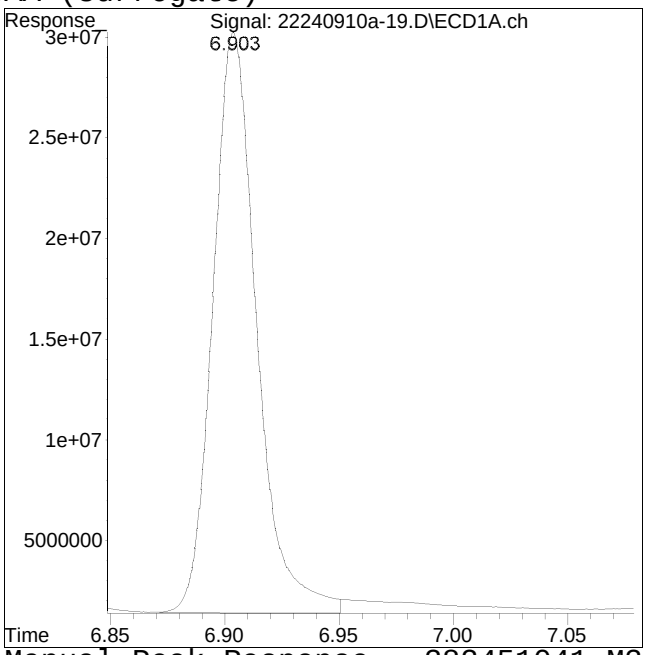
Original Peak Response = 1691250500 Manual Peak Response = 1574136538 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-19.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:29 pm Instrument : Pest22
Sample : L2450786-04,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



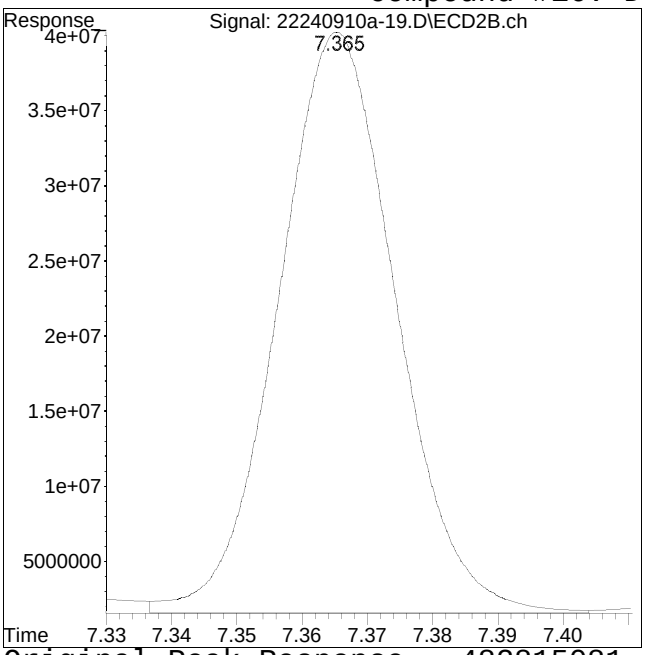


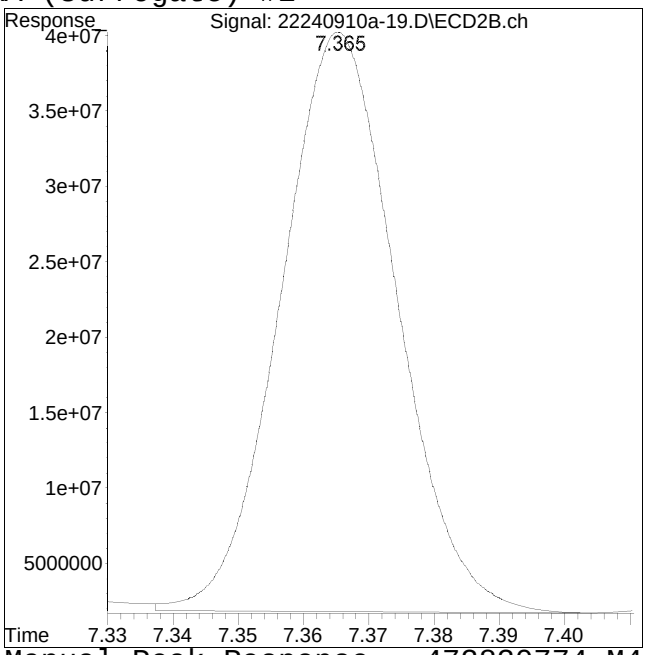
Original Peak Response = 486494941 Manual Peak Response = 382451041 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-19.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:29 pm Instrument : Pest22
Sample : L2450786-04,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 482815081 Manual Peak Response = 472830774 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:48 pm
Operator : pest22:ejl
Sample : L2450786-05,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:04 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1161.0E6	1470.4E6	0.250M3	0.250M3
	Standard Area 1 : #1 = 1210212639				Recovery =	95.94%	
	Standard Area 1 : #2 = 1471202998				Recovery =	99.95%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.366	397.0E6	503.9E6	0.440M4	0.441
	Spiked Amount	0.500	Range 30 - 150		Recovery =	88.00%	88.20%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D.	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D.	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

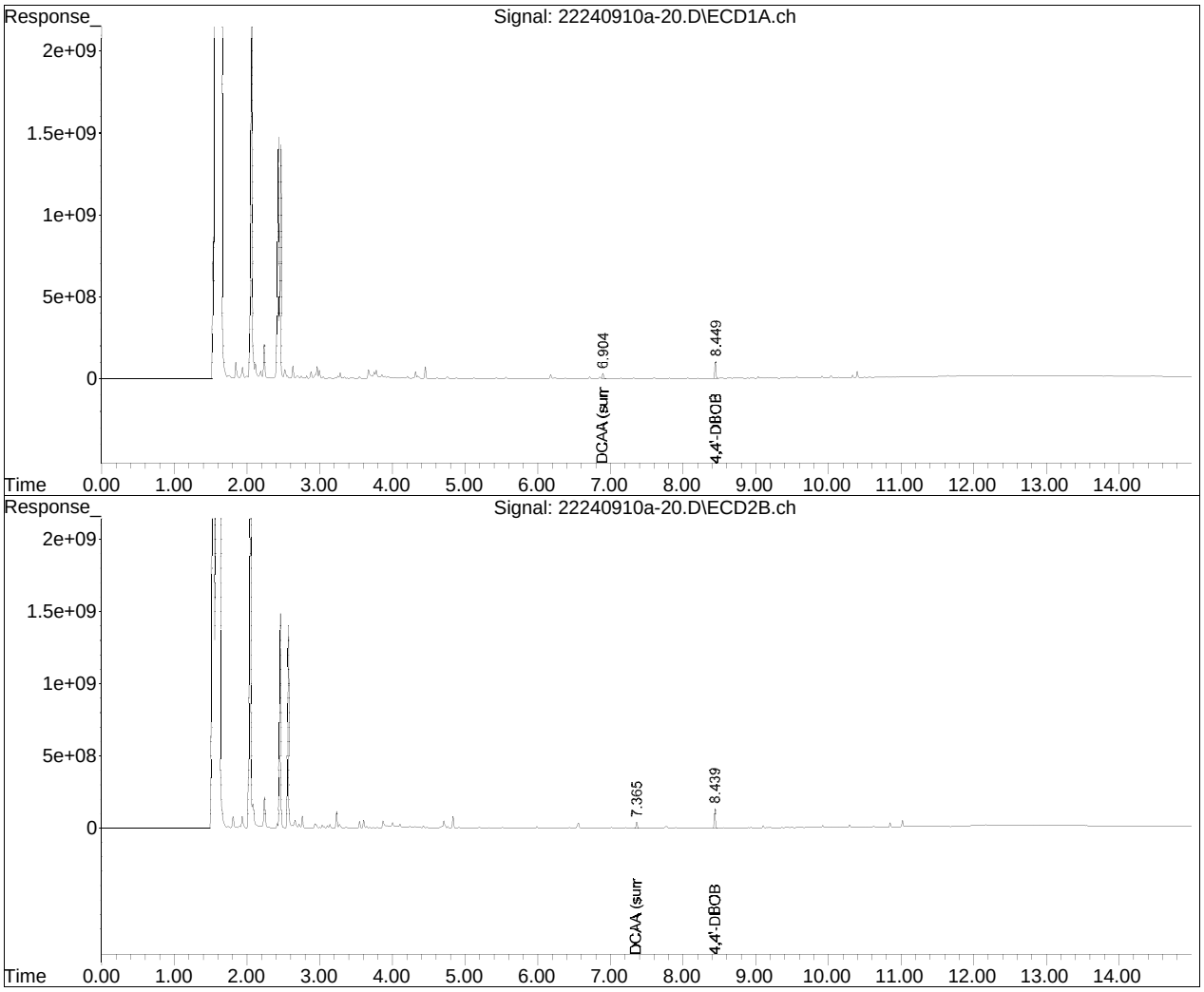
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 01:48 pm
Operator : pest22:ejl
Sample : L2450786-05,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:04 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

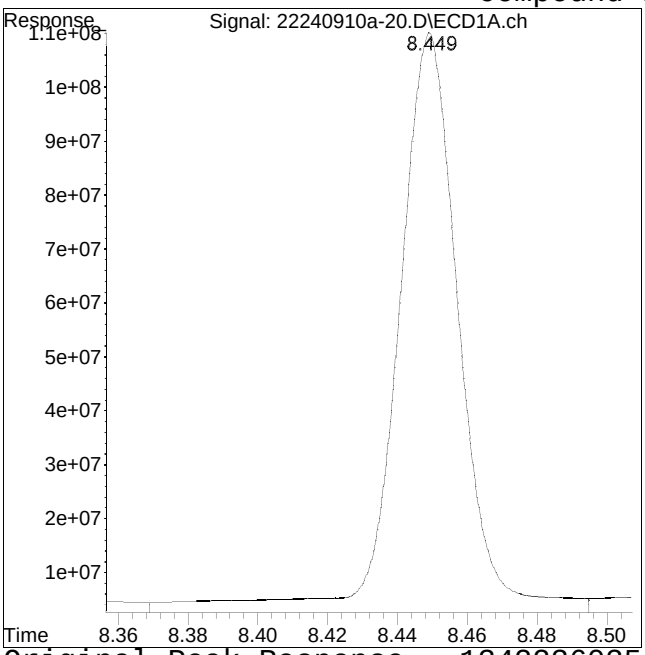
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

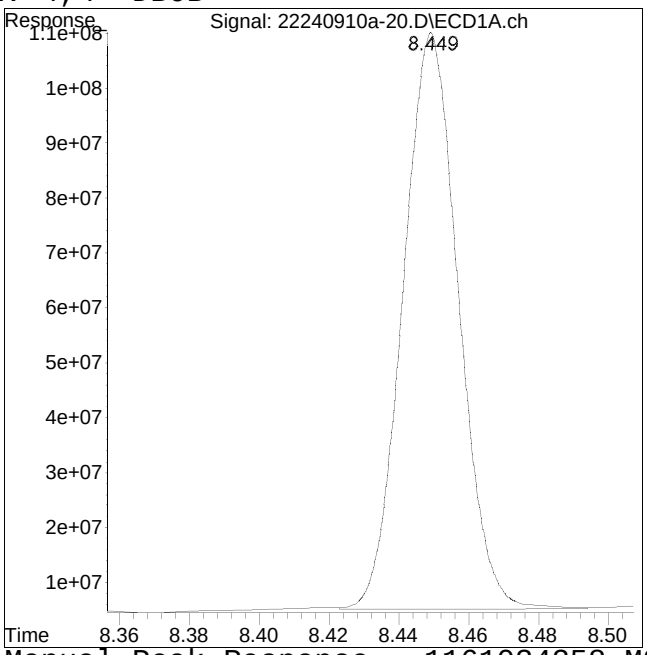


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-20.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:48 pm Instrument : Pest22
Sample : L2450786-05,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



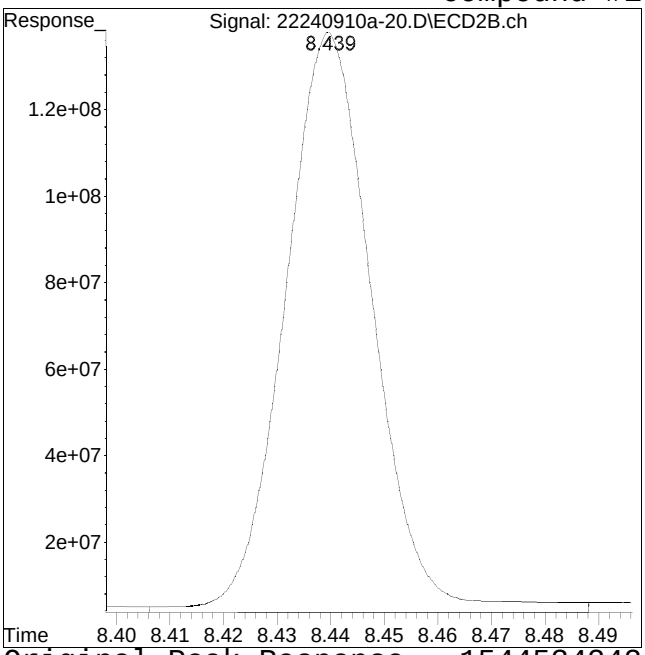


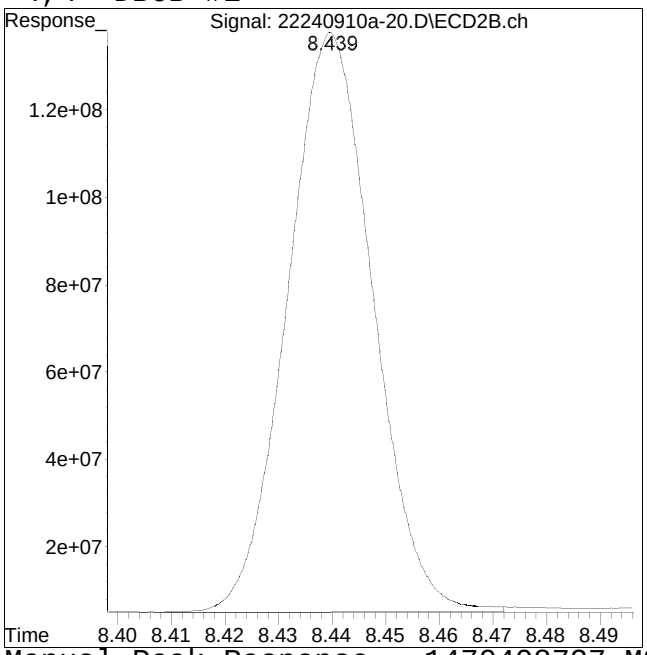
Original Peak Response = 1342236035 Manual Peak Response = 1161034258 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-20.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:48 pm Instrument : Pest22
Sample : L2450786-05,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



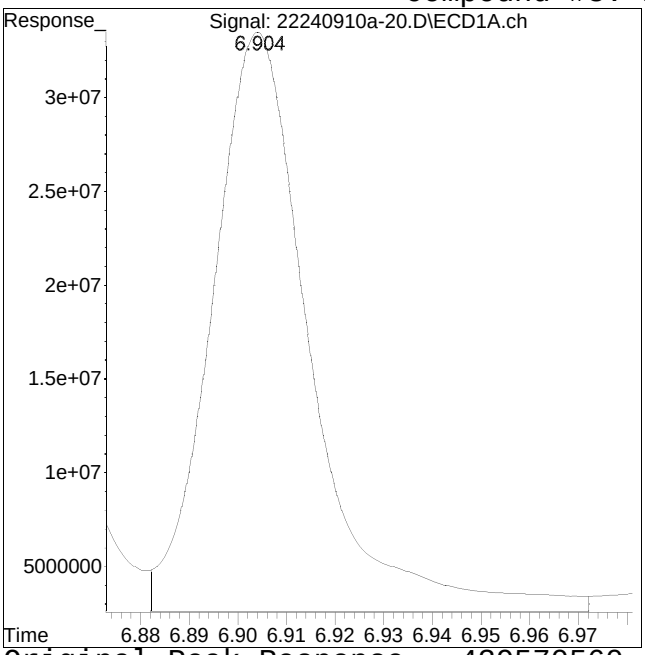


Original Peak Response = 1544534242 Manual Peak Response = 1470408727 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

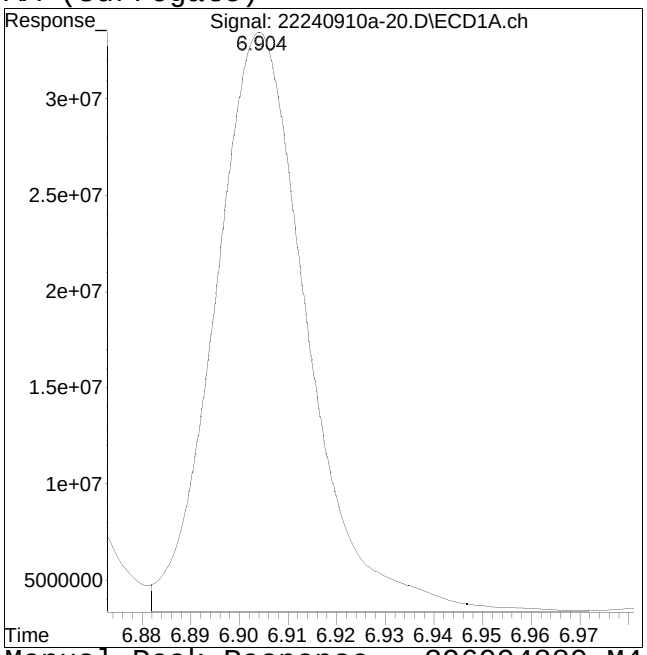
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-20.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 1:48 pm Instrument : Pest22
Sample : L2450786-05,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 439570560



Manual Peak Response = 396994880 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:06 pm
Operator : pest22:ejl
Sample : L2450786-06,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:05 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1148.2E6	1427.8E6	0.250M3	0.250M3
	Standard Area 1 : #1 = 1210212639				Recovery =	94.87%	
	Standard Area 1 : #2 = 1471202998				Recovery =	97.05%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.903	7.366	351.9E6	474.5E6	0.395M3	0.428
	Spiked Amount	0.500	Range 30 - 150		Recovery =	79.00%	85.60%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D.
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D.	N.D.
SemiQuant Compounds - Not Calibrated on this Instrument							

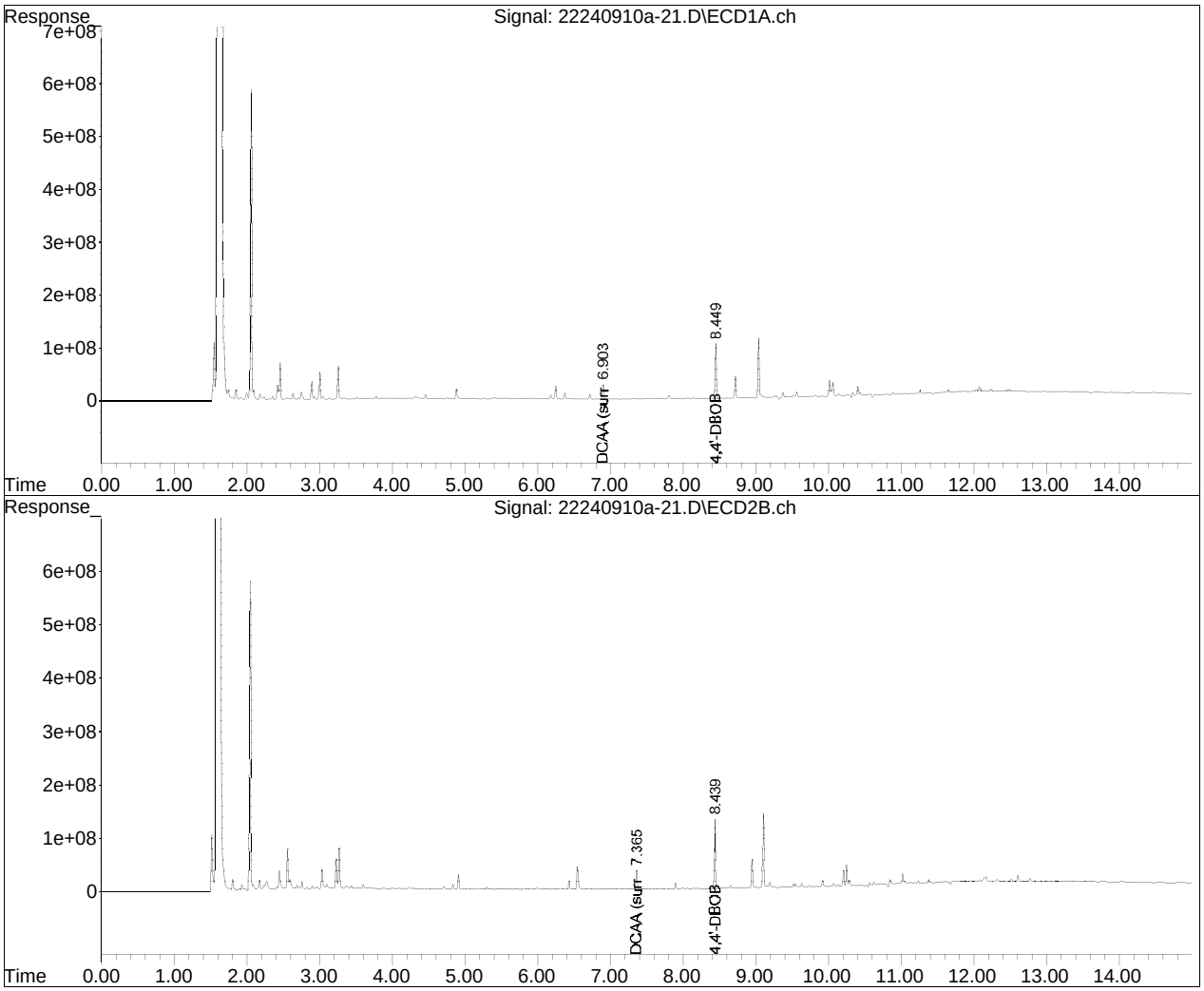
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:06 pm
Operator : pest22:ejl
Sample : L2450786-06,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:05 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

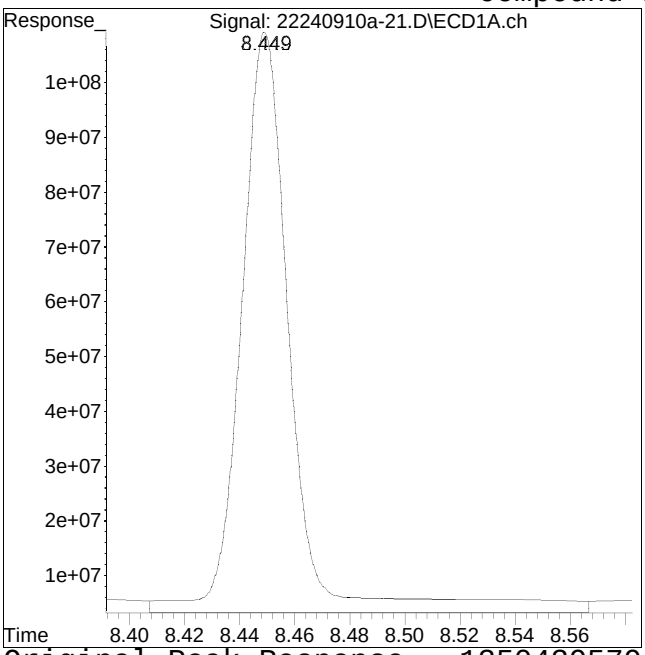
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

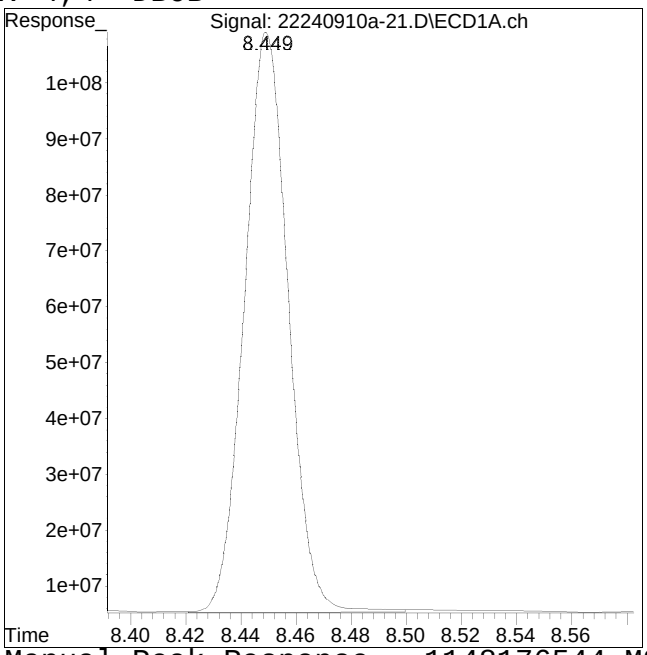


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-21.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:06 pm Instrument : Pest22
Sample : L2450786-06,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



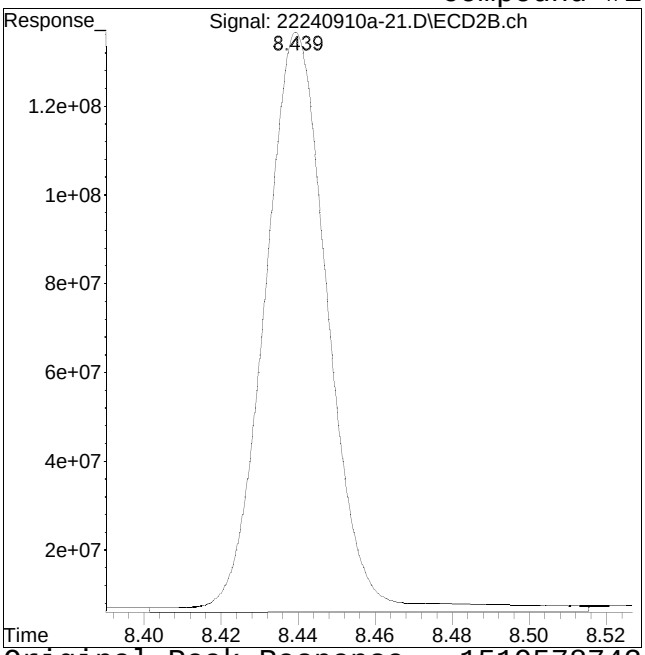


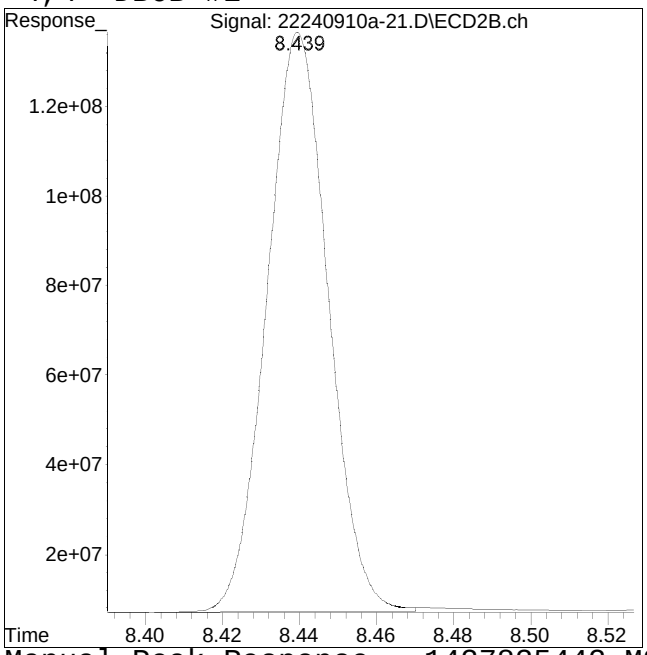
Original Peak Response = 1350439579 Manual Peak Response = 1148176544 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-21.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:06 pm Instrument : Pest22
Sample : L2450786-06,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



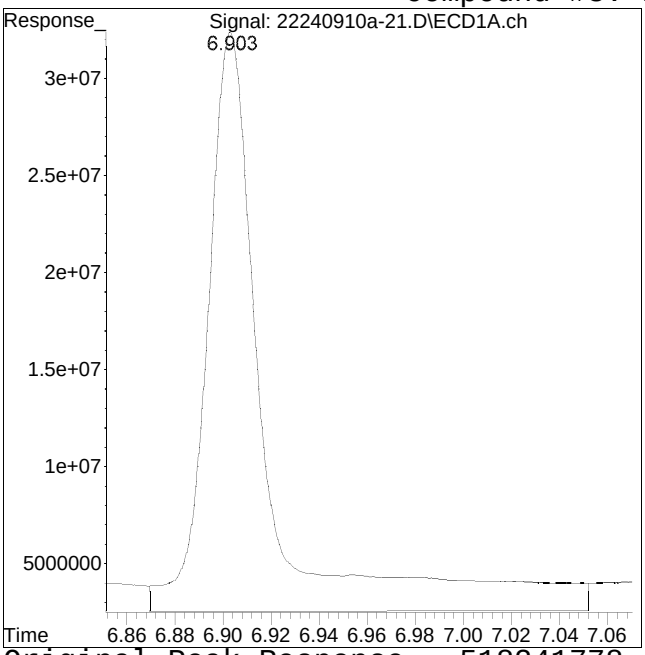


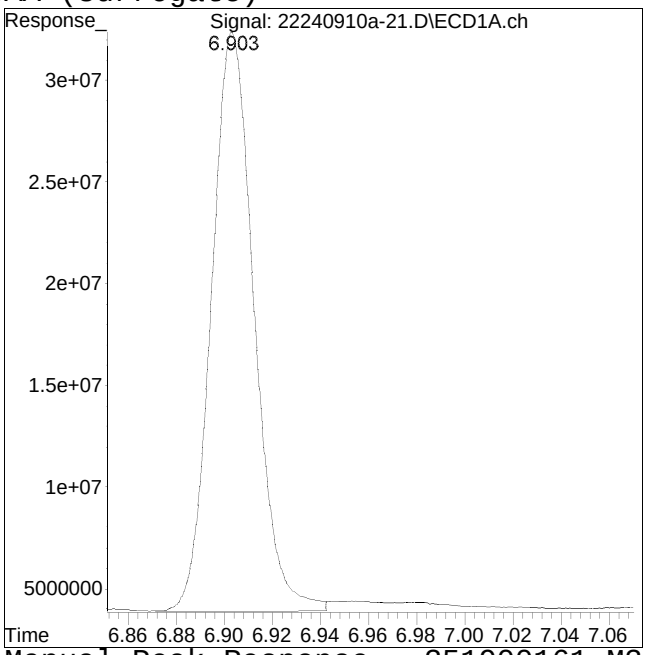
Original Peak Response = 1519578743 Manual Peak Response = 1427835442 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-21.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:06 pm Instrument : Pest22
Sample : L2450786-06,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)





Original Peak Response = 518241778 Manual Peak Response = 351900161 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:25 pm
Operator : pest22:ejl
Sample : L2450786-07,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:07 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1122.0E6	1411.5E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 1210212639				Recovery =	92.71%	
	Standard Area 1 : #2 = 1471202998				Recovery =	95.94%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	255.5E6	346.5E6	0.293M3	0.316M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	58.60%	63.20%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D.
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

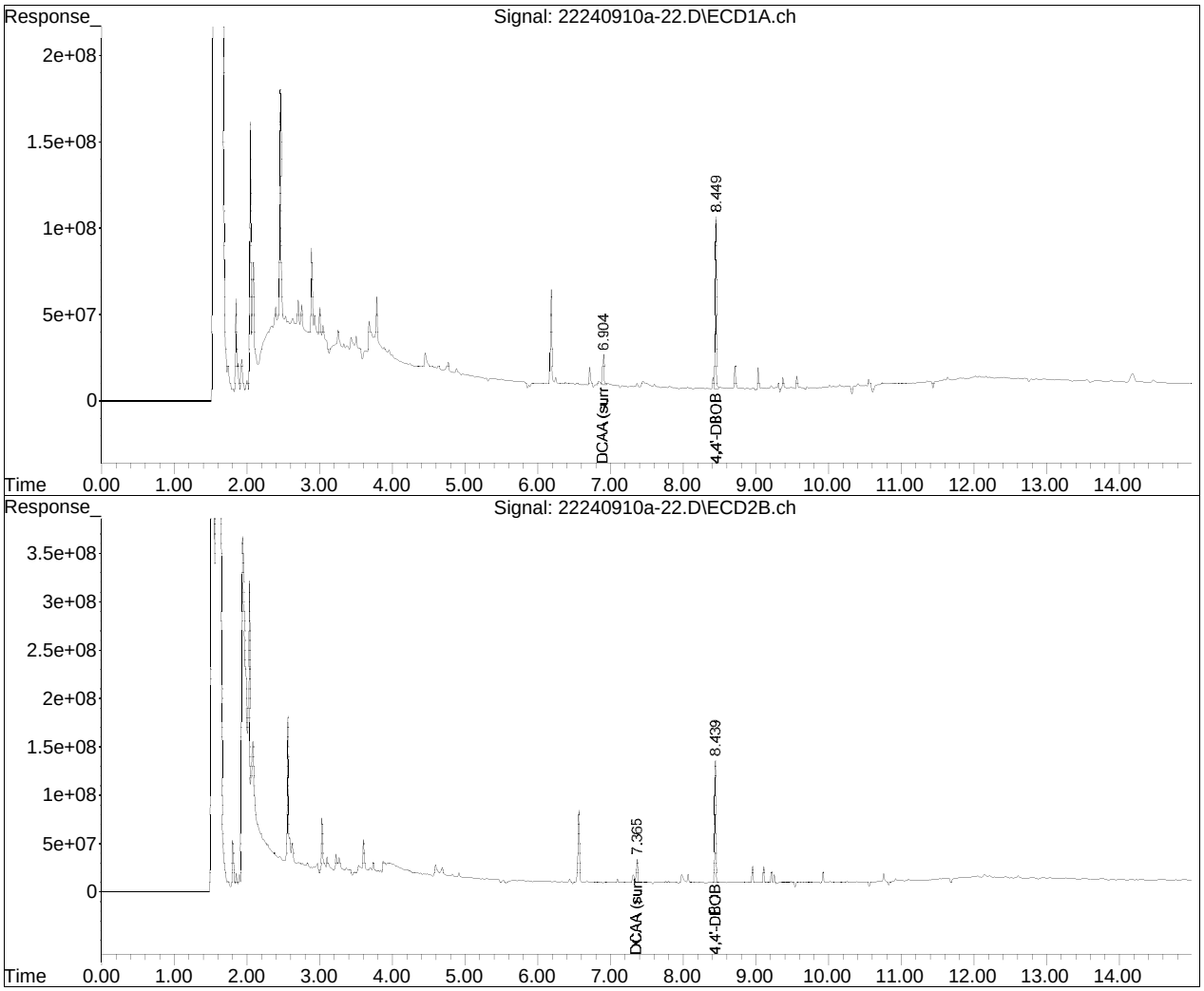
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:25 pm
Operator : pest22:ejl
Sample : L2450786-07,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:07 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

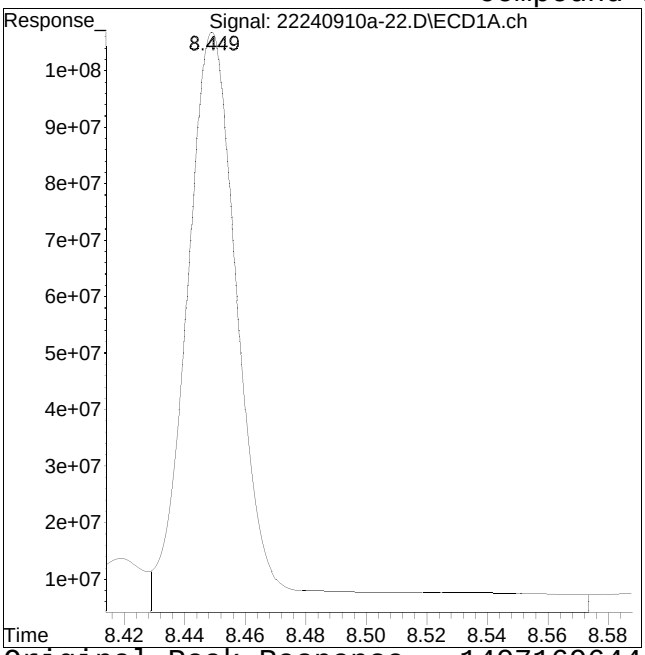
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

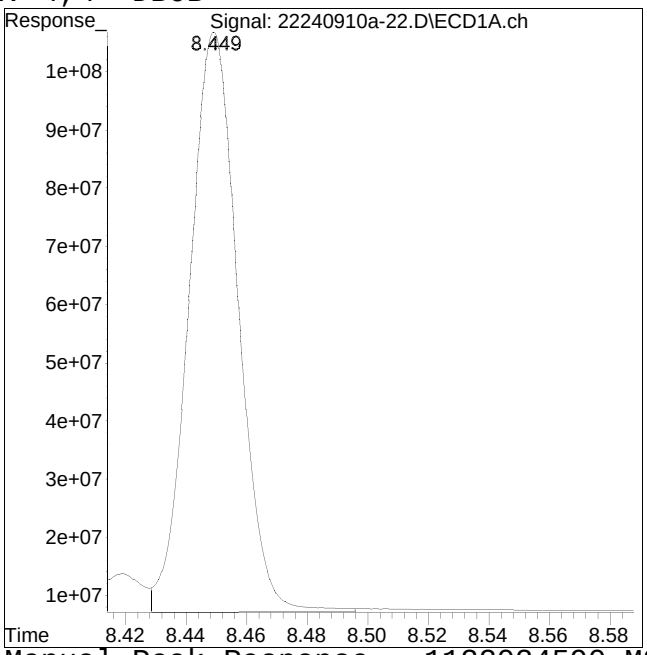


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-22.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:25 pm Instrument : Pest22
Sample : L2450786-07,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



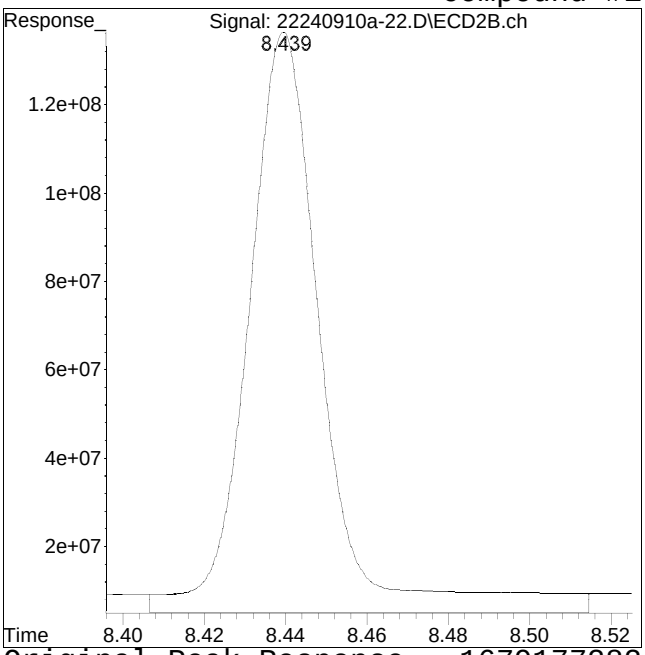


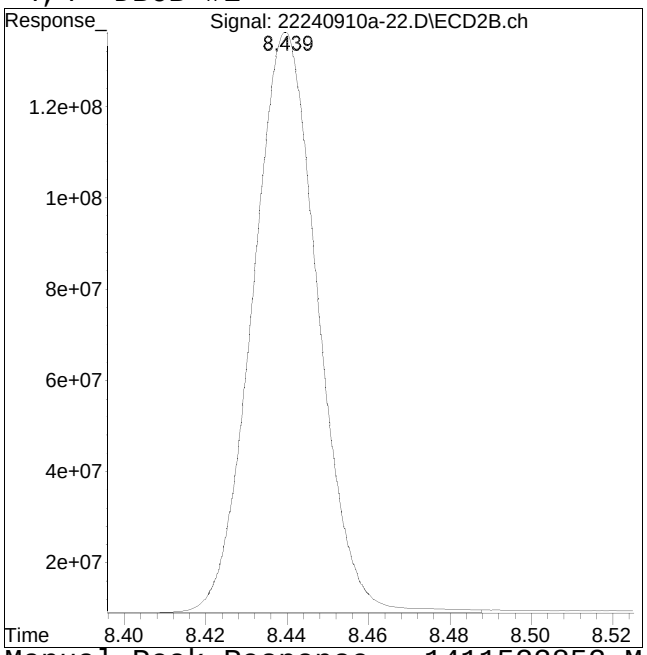
Original Peak Response = 1407169644 Manual Peak Response = 1122024590 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-22.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:25 pm Instrument : Pest22
Sample : L2450786-07,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



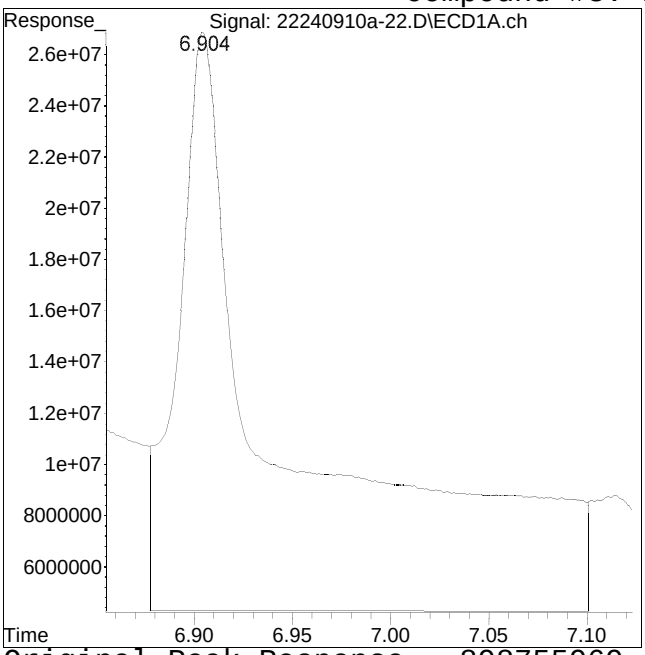


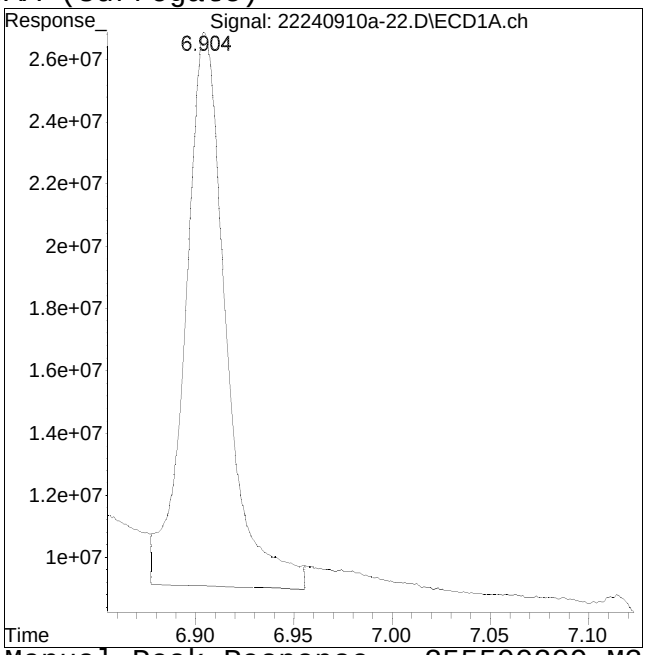
Original Peak Response = 1679177282 Manual Peak Response = 1411523852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-22.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:25 pm Instrument : Pest22
Sample : L2450786-07,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



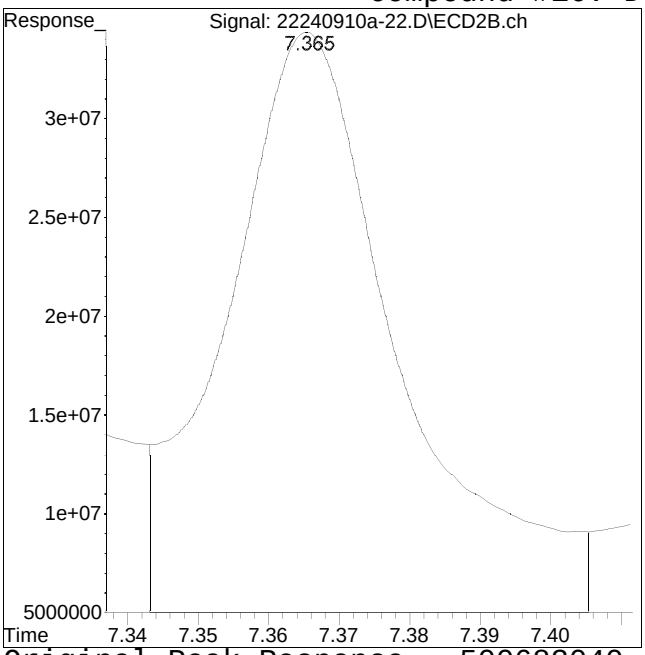


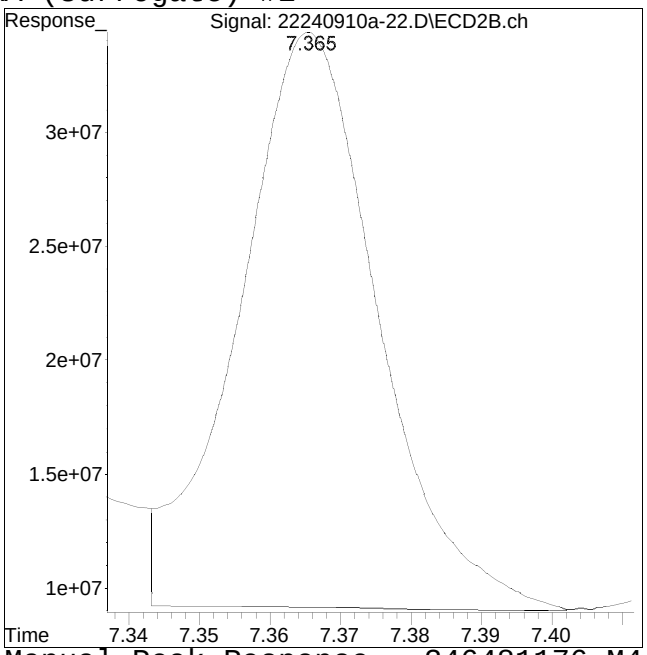
Original Peak Response = 898755969 Manual Peak Response = 255500299 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-22.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:25 pm Instrument : Pest22
Sample : L2450786-07,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 500683040 Manual Peak Response = 346481176 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:44 pm
Operator : pest22:ejl
Sample : L2450786-08,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:08 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.440	1166.5E6	1446.4E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 1210212639				Recovery =	96.38%	
	Standard Area 1 : #2 = 1471202998				Recovery =	98.31%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	269.0E6	366.2E6	0.297M4	0.326M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	59.40%	65.20%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D.
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D.	N.D.
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d

SemiQuant Compounds - Not Calibrated on this Instrument

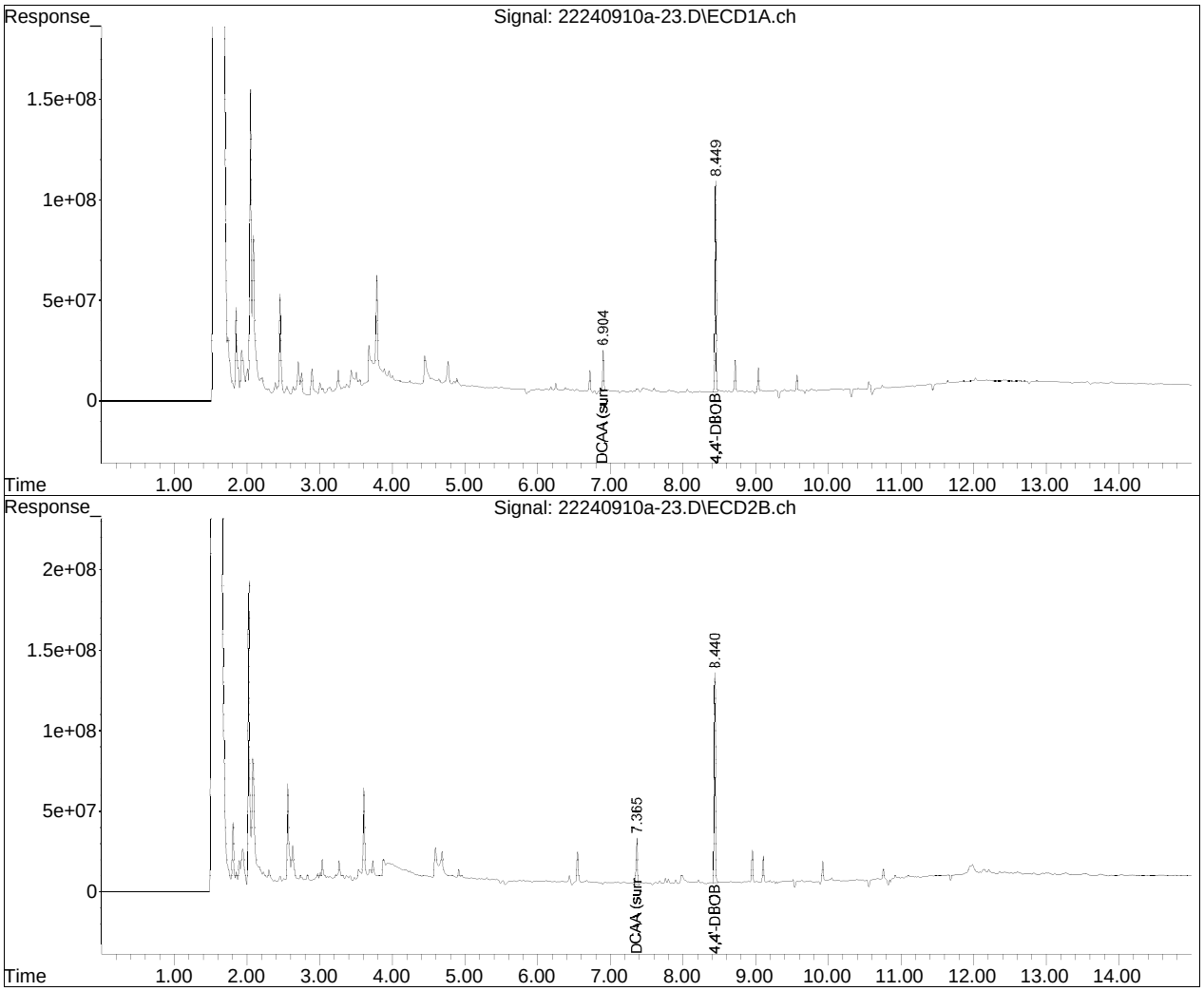
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 02:44 pm
Operator : pest22:ejl
Sample : L2450786-08,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:08 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

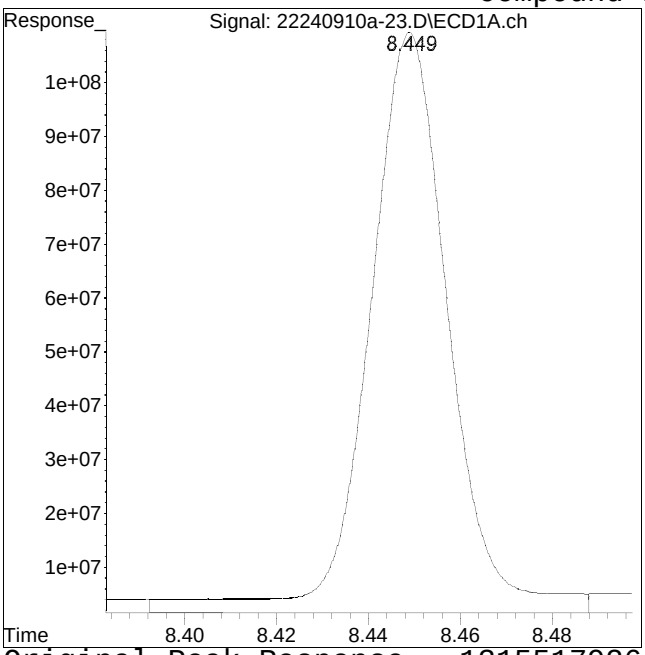
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

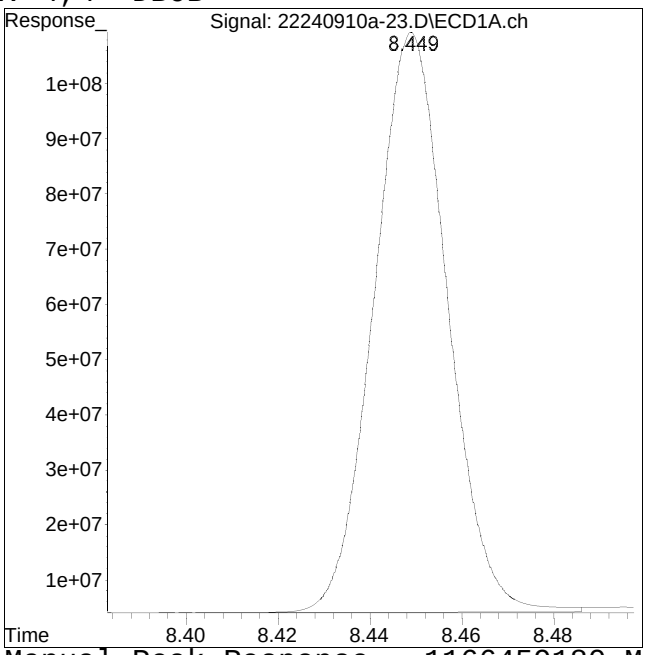


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-23.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:44 pm Instrument : Pest22
Sample : L2450786-08,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



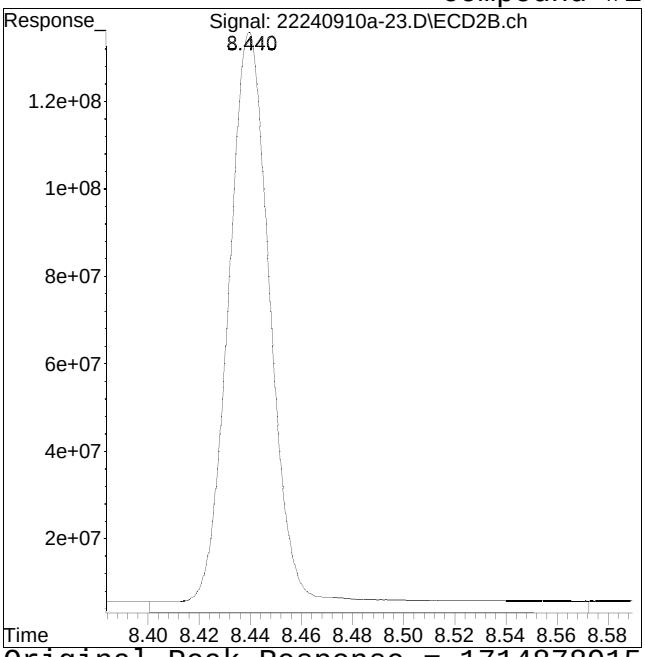


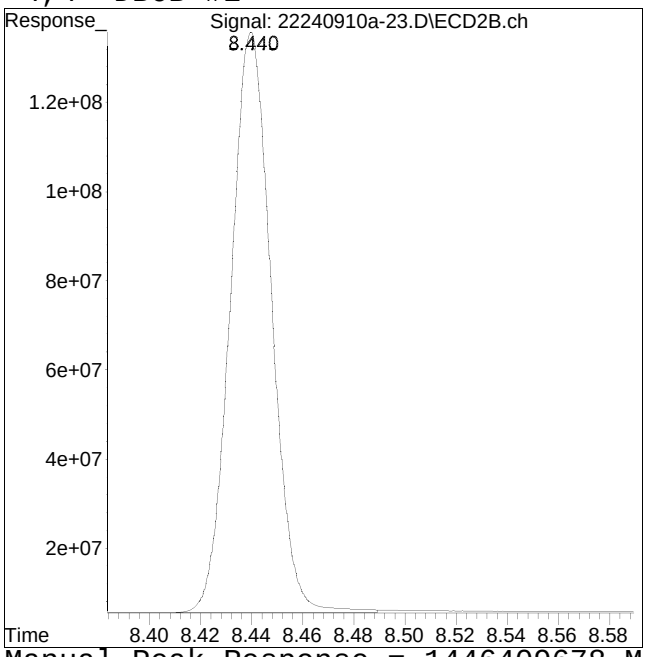
Original Peak Response = 1315517926 Manual Peak Response = 1166459180 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-23.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:44 pm Instrument : Pest22
Sample : L2450786-08,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



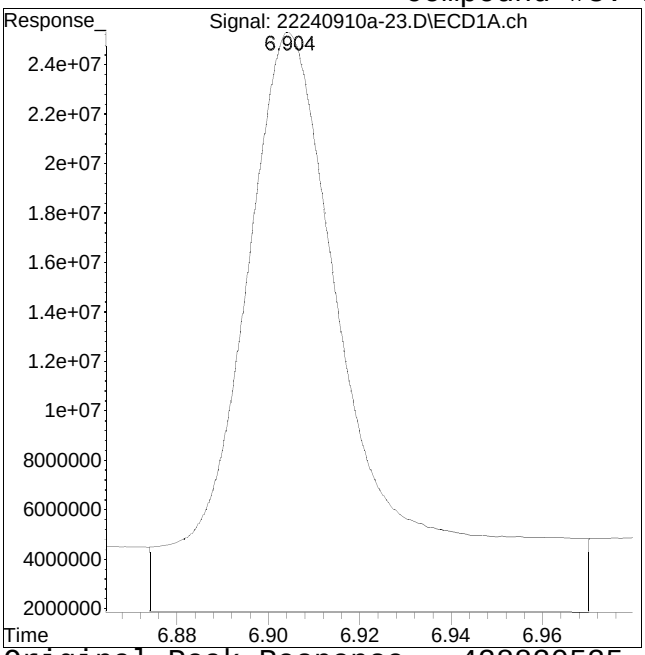


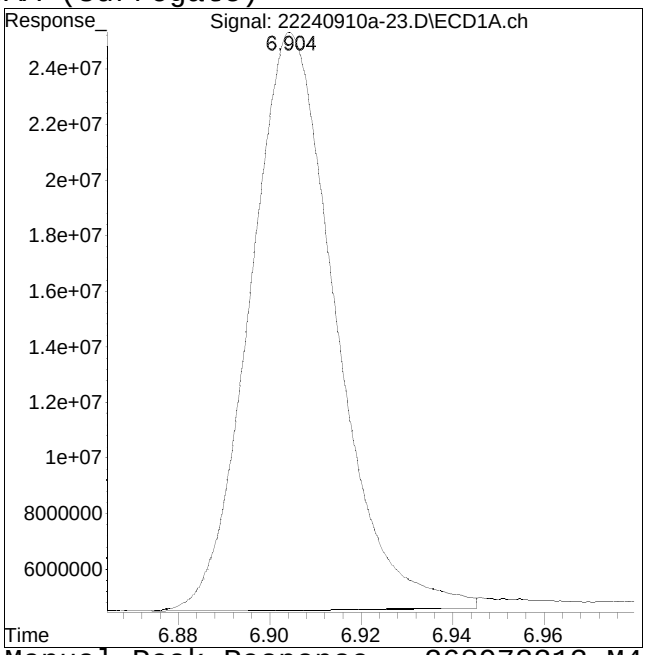
Original Peak Response = 1714878915 Manual Peak Response = 1446409678 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-23.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:44 pm Instrument : Pest22
Sample : L2450786-08,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



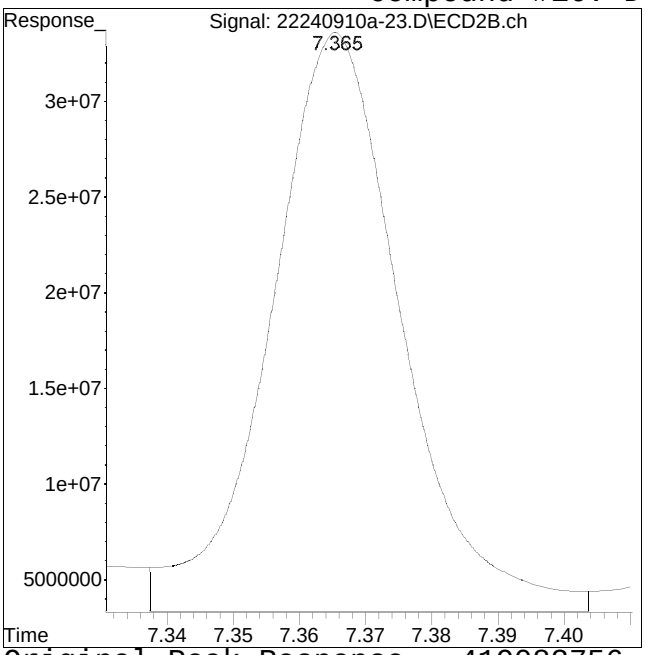


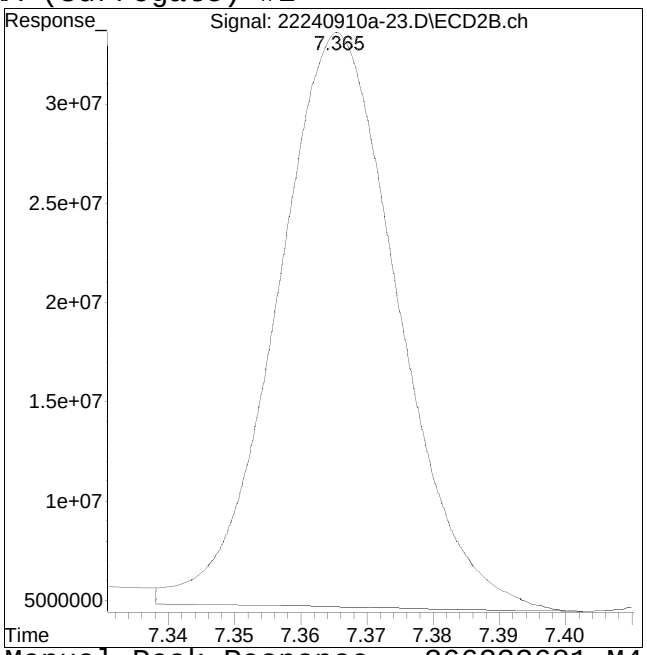
Original Peak Response = 428830535 Manual Peak Response = 268973313 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-23.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 2:44 pm Instrument : Pest22
Sample : L2450786-08,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 419083756 Manual Peak Response = 366233681 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:02 pm
Operator : pest22:ejl
Sample : L2450786-09,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:09 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.439	1167.5E6	1462.2E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 1210212639				Recovery =	96.47%	
	Standard Area 1 : #2 = 1471202998				Recovery =	99.39%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	288.0E6	377.2E6	0.318M3	0.332M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	63.60%	66.40%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D.	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D.	N.D. d

SemiQuant Compounds - Not Calibrated on this Instrument

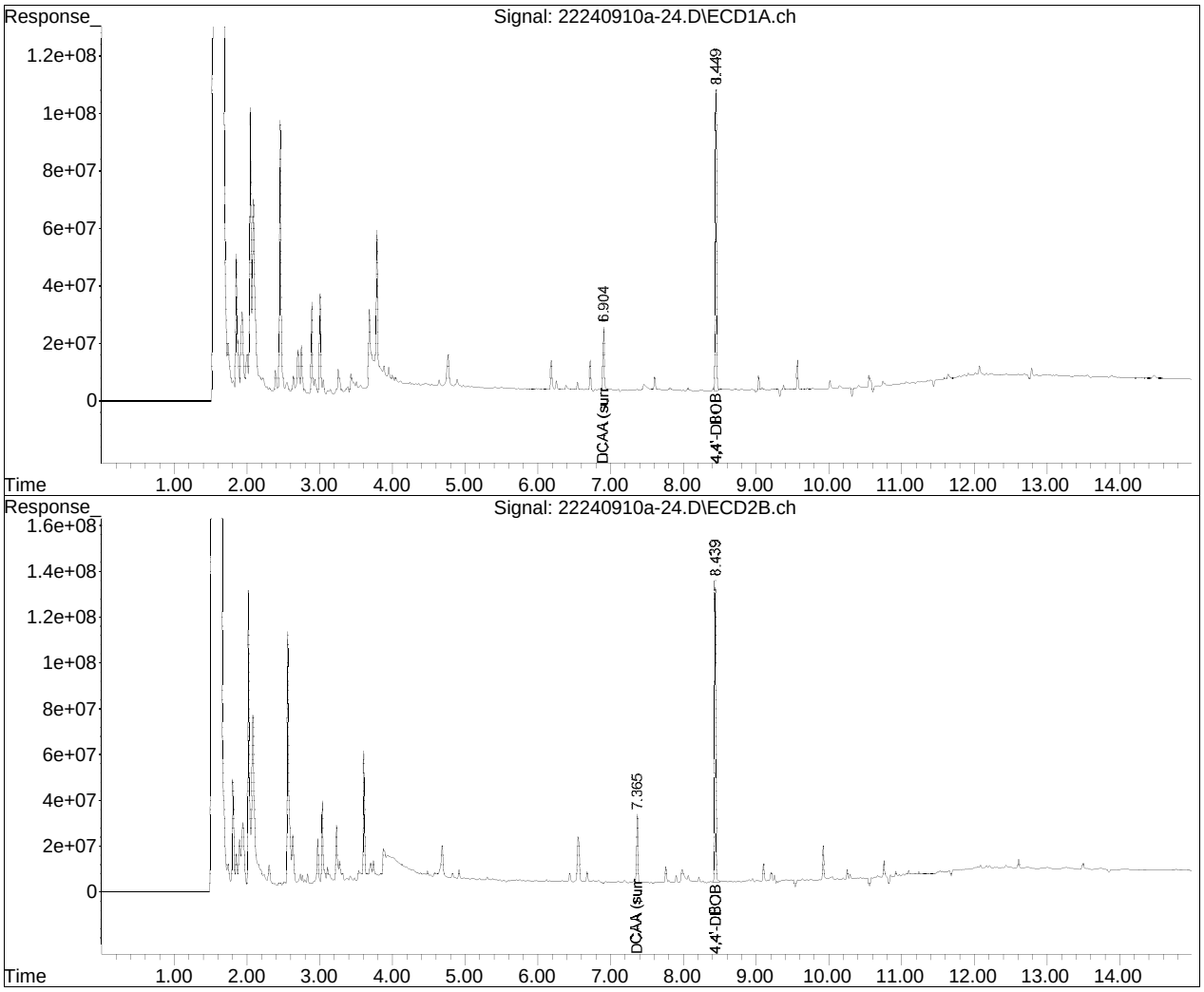
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:02 pm
Operator : pest22:ejl
Sample : L2450786-09,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:09 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

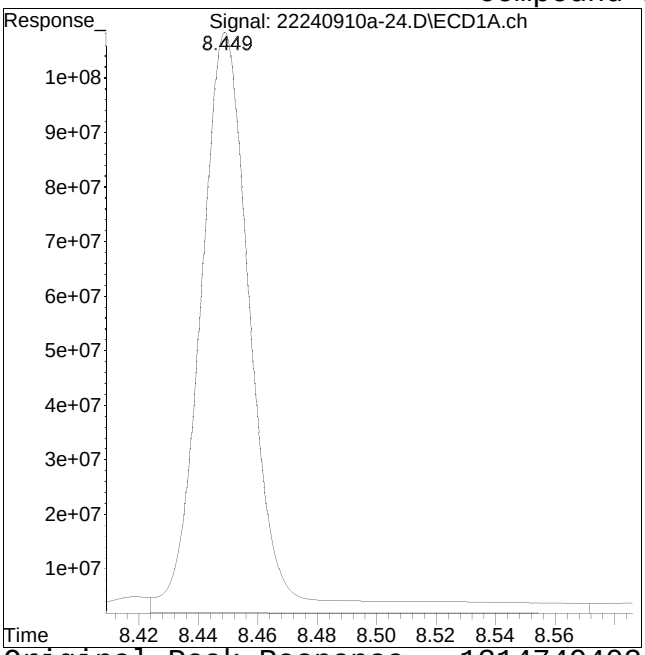
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

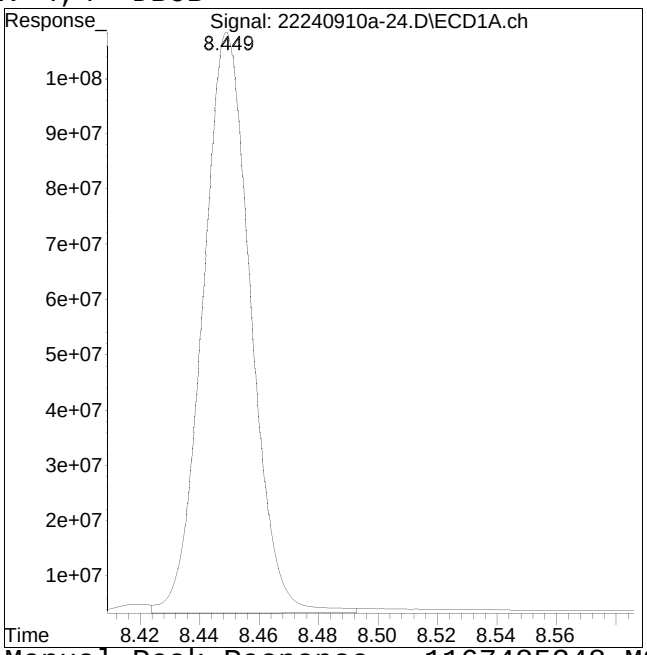


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-24.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:02 pm Instrument : Pest22
Sample : L2450786-09,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



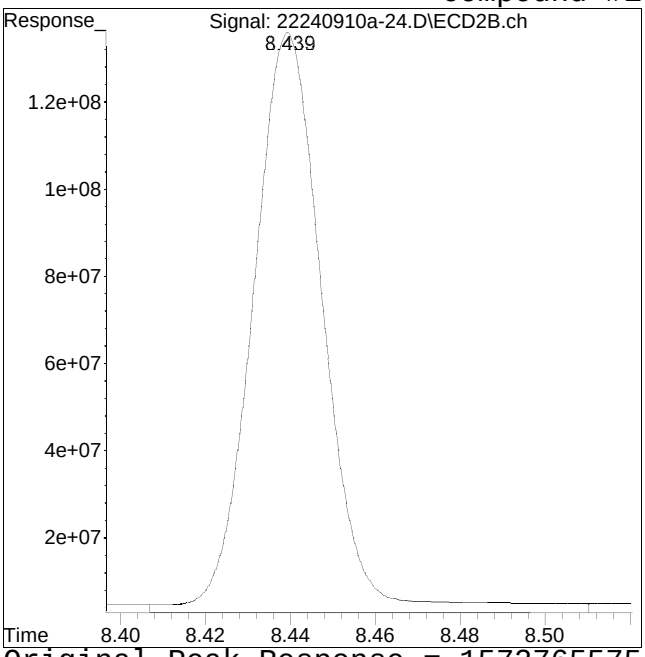


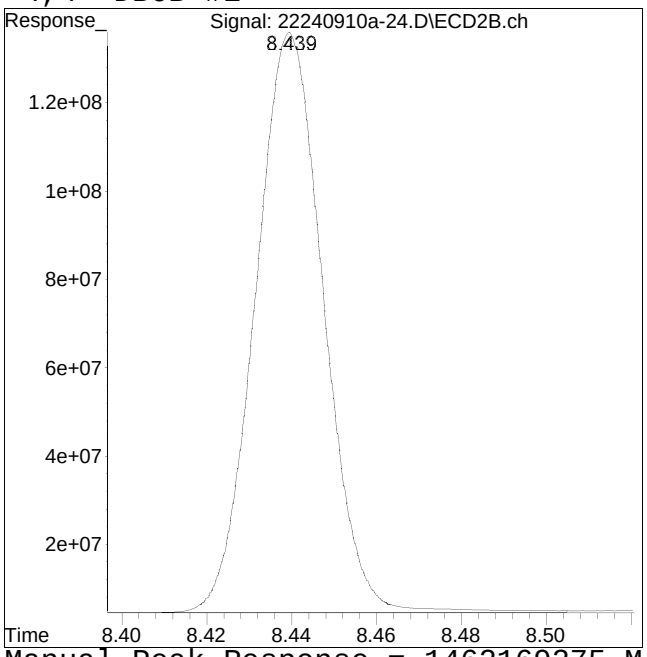
Original Peak Response = 1314749403 Manual Peak Response = 1167485248 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-24.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:02 pm Instrument : Pest22
Sample : L2450786-09,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



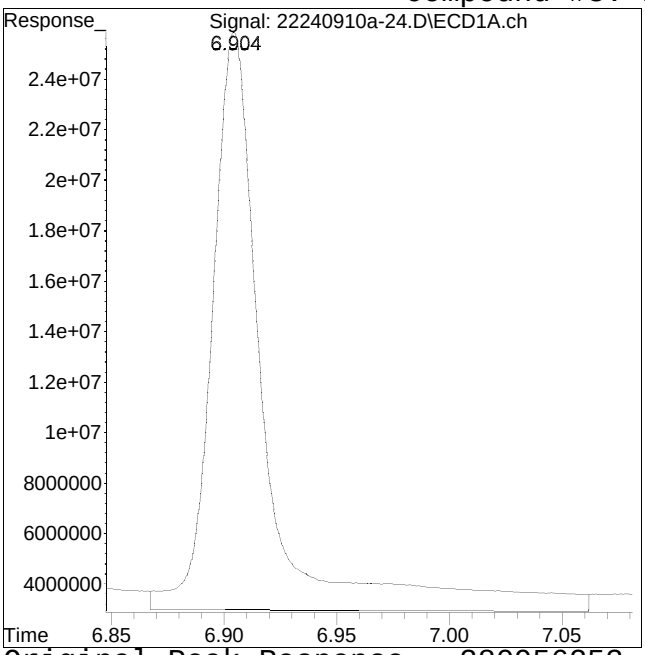


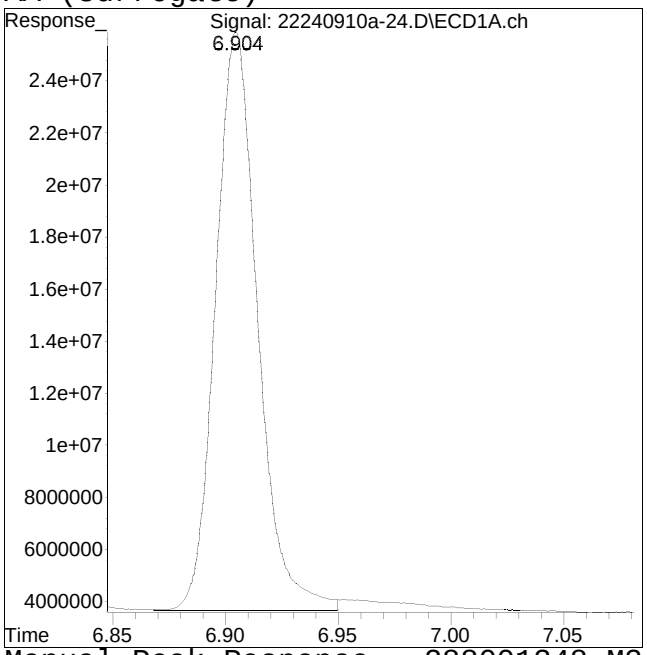
Original Peak Response = 1572765575 Manual Peak Response = 1462169275 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-24.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:02 pm Instrument : Pest22
Sample : L2450786-09,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



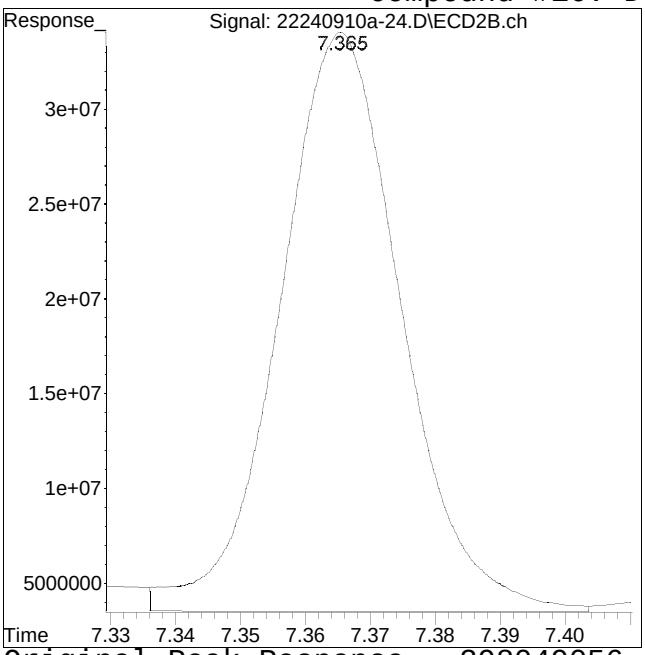


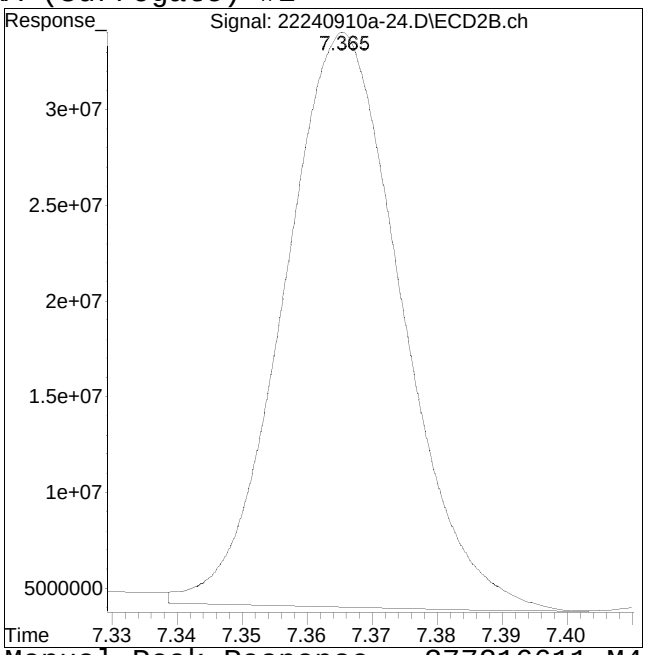
Original Peak Response = 380956253 Manual Peak Response = 288001348 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-24.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:02 pm Instrument : Pest22
Sample : L2450786-09,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 398049056 Manual Peak Response = 377216611 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:21 pm
Operator : pest22:ejl
Sample : L2450786-10,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:11 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.440	1120.8E6	1399.2E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 1210212639				Recovery =	92.61%	
	Standard Area 1 : #2 = 1471202998				Recovery =	95.11%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	355.2E6	436.7E6	0.408M3	0.402M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	81.60%	80.40%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D.	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D.

SemiQuant Compounds - Not Calibrated on this Instrument

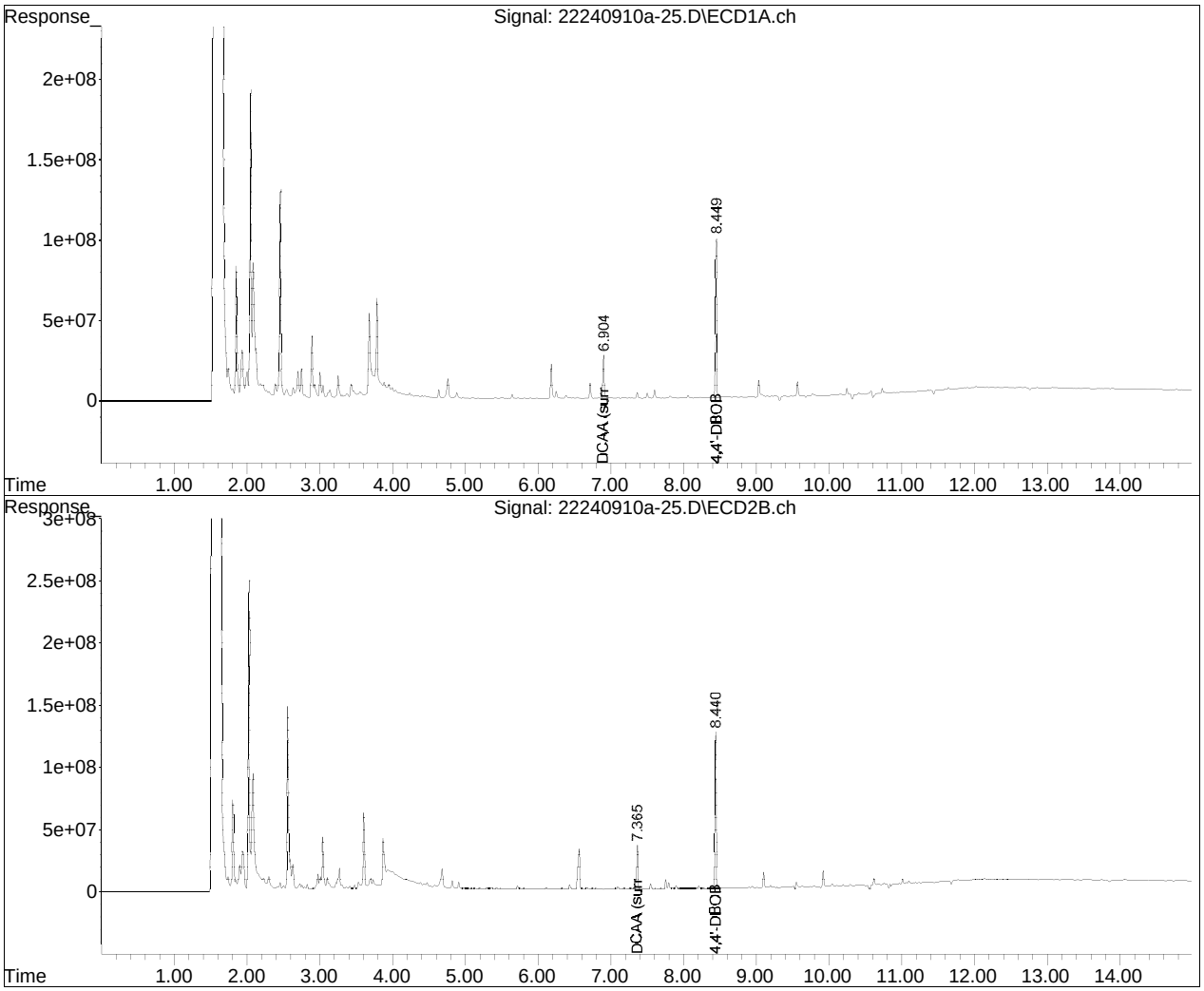
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:21 pm
Operator : pest22:ejl
Sample : L2450786-10,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:11 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

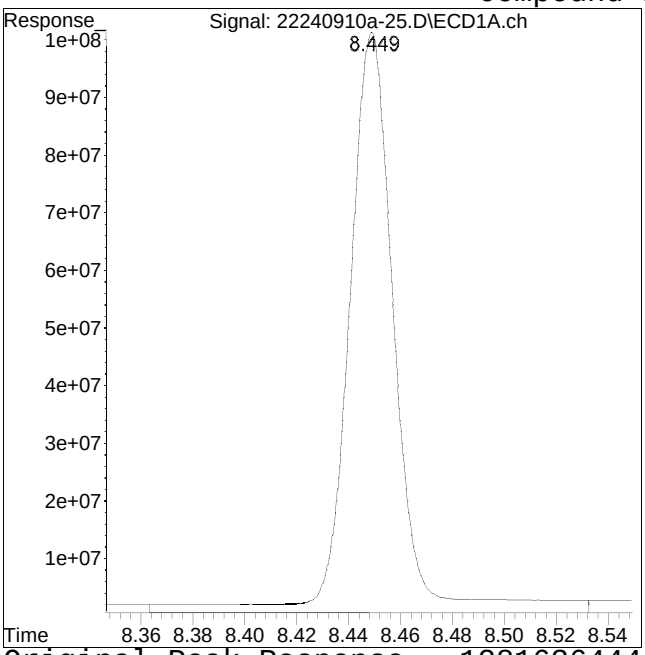
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

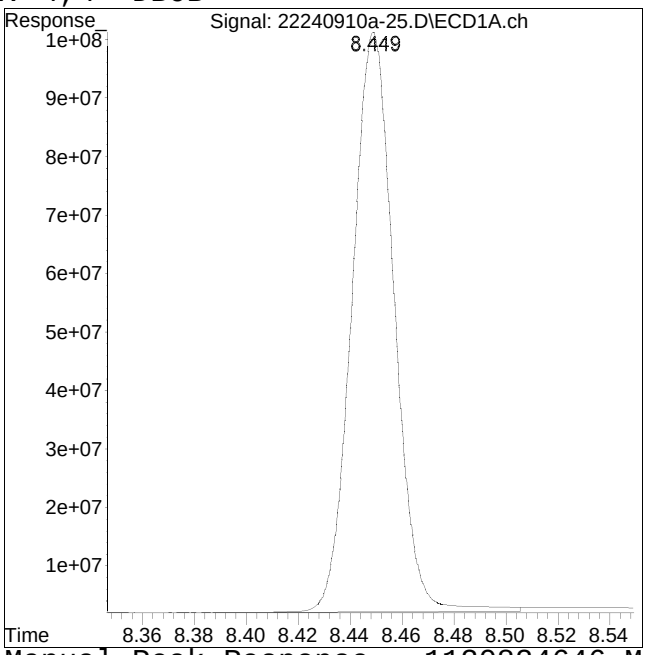


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-25.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:21 pm Instrument : Pest22
Sample : L2450786-10,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



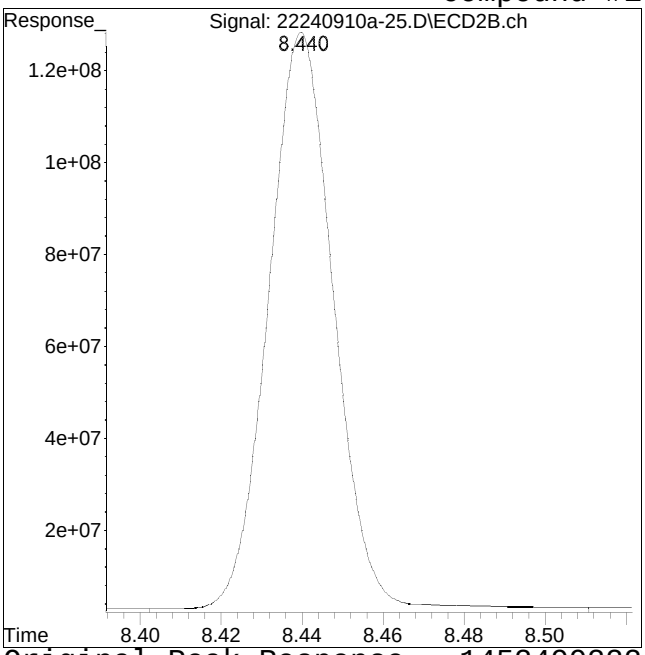


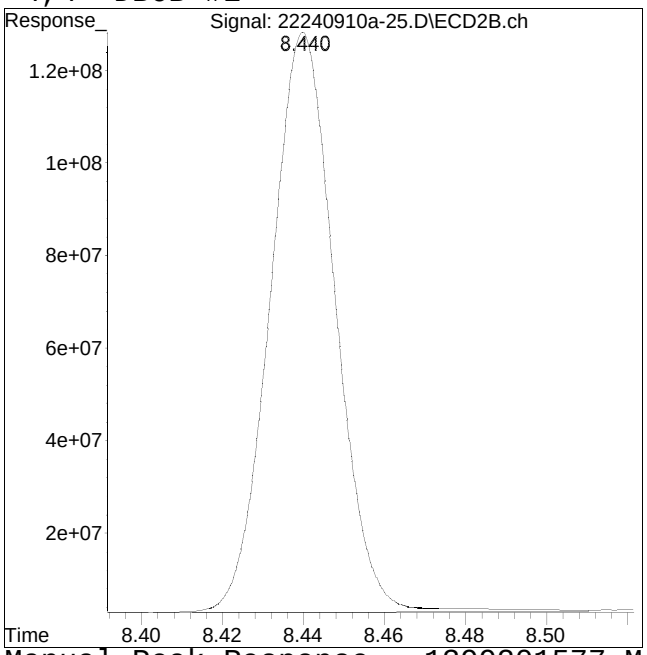
Original Peak Response = 1281636444 Manual Peak Response = 1120824646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-25.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:21 pm Instrument : Pest22
Sample : L2450786-10,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



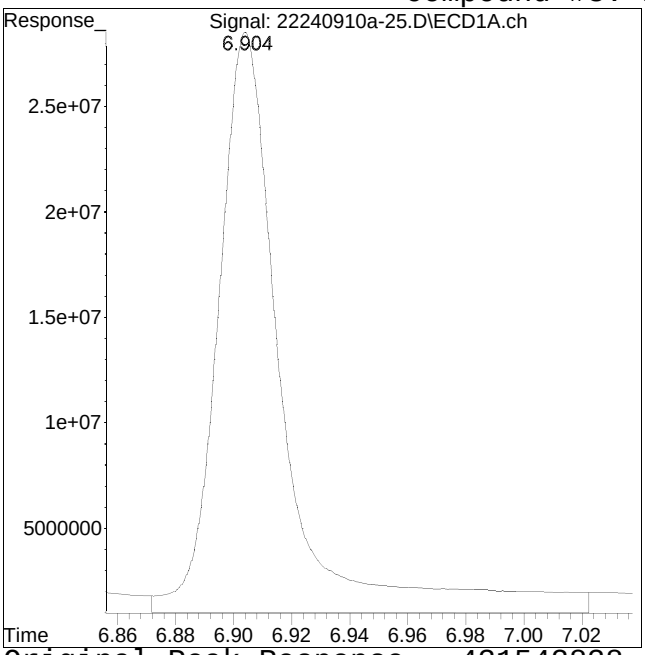


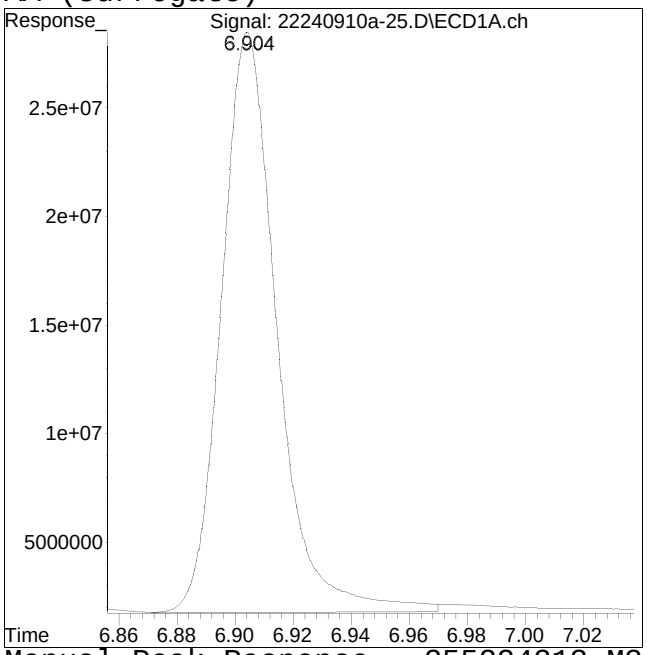
Original Peak Response = 1452499222 Manual Peak Response = 1399201577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-25.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:21 pm Instrument : Pest22
Sample : L2450786-10,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



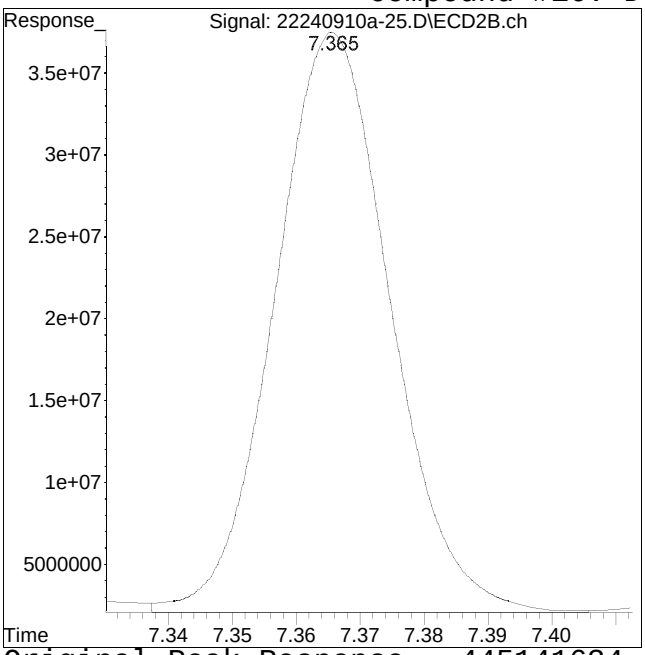


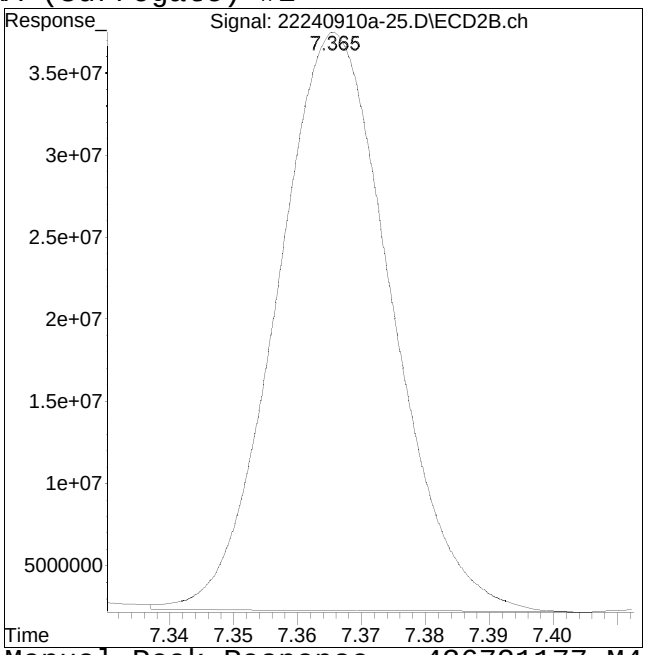
Original Peak Response = 431542838 Manual Peak Response = 355224213 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-25.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:21 pm Instrument : Pest22
Sample : L2450786-10,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 445141634 Manual Peak Response = 436721177 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:39 pm
Operator : pest22:ejl
Sample : L2450786-12,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:12 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-17.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.449	8.440	1320.9E6	1623.6E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 1210212639				Recovery = 109.14%		
	Standard Area 1 : #2 = 1471202998				Recovery = 110.36%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.904	7.365	411.1E6	509.7E6	0.401M3	0.404M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	80.20%	80.80%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D.
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D.
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D.
SemiQuant Compounds - Not Calibrated on this Instrument							

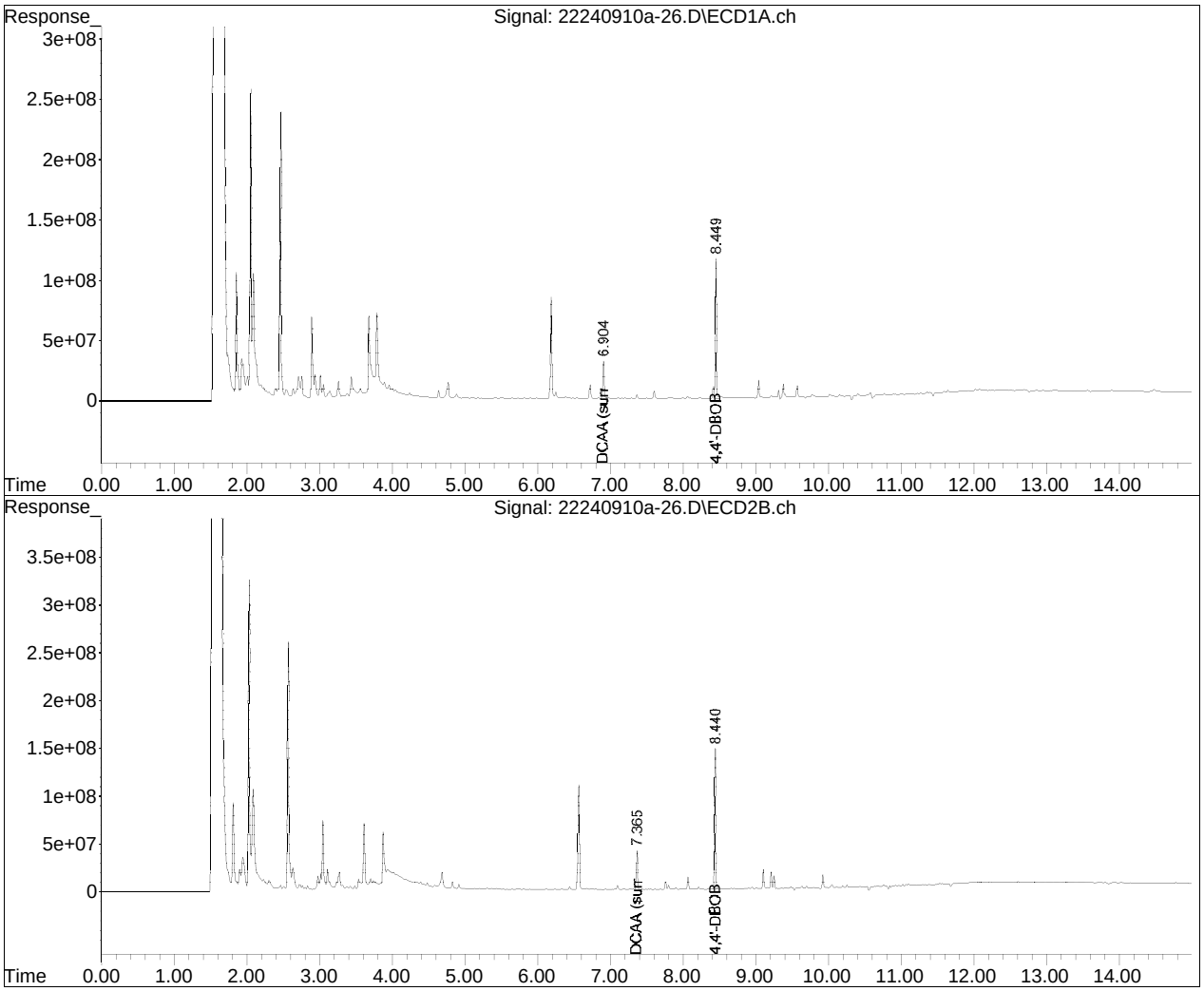
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-17.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 03:39 pm
Operator : pest22:ejl
Sample : L2450786-12,42,,
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 16:04:12 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

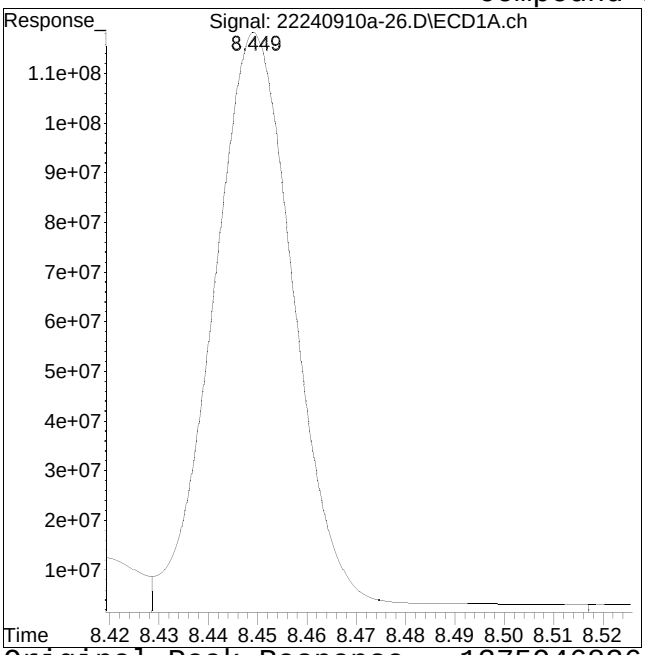
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

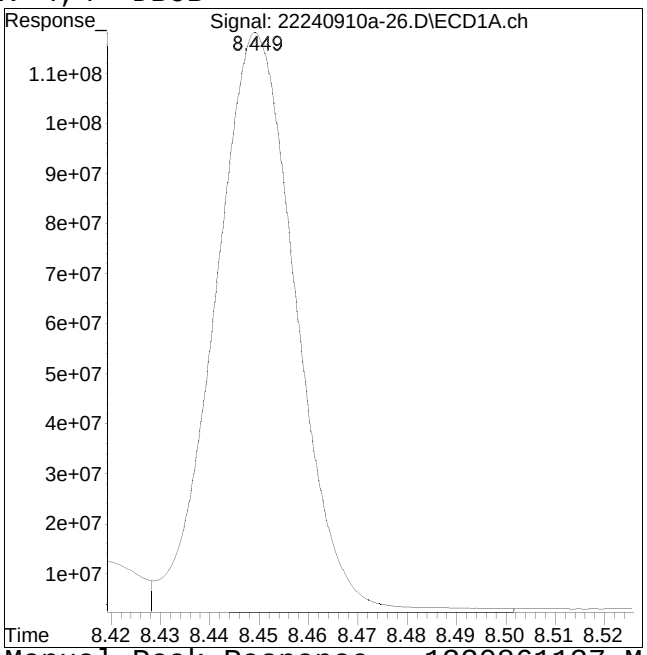


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-26.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:39 pm Instrument : Pest22
Sample : L2450786-12,42,, Quant Date : 9/10/2024 4:04 pm

Compound #1: 4,4'-DBOB



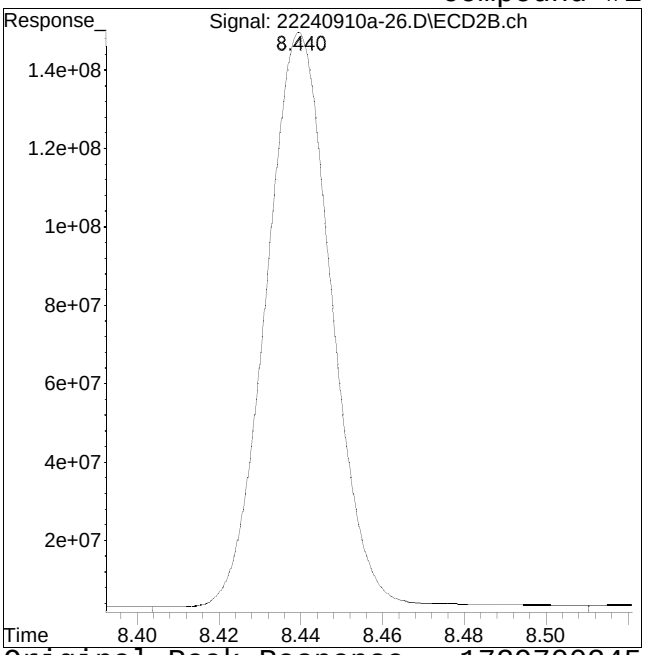


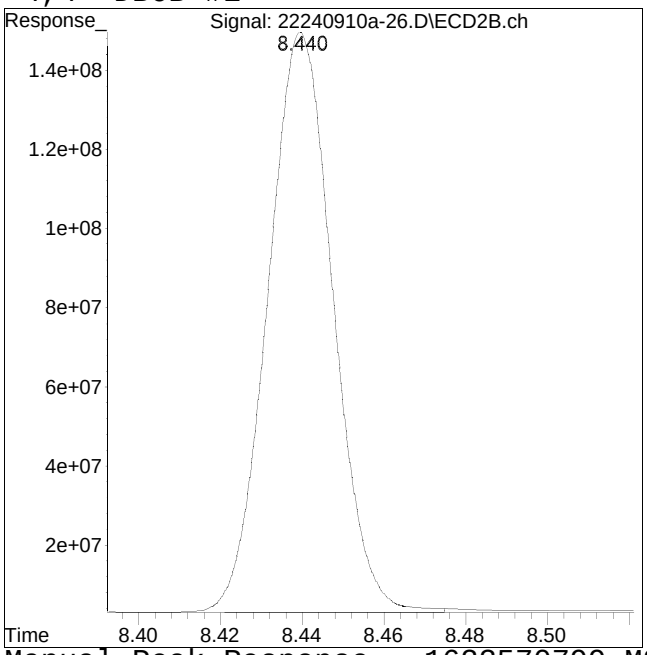
Original Peak Response = 1375946836 Manual Peak Response = 1320861137 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-26.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:39 pm Instrument : Pest22
Sample : L2450786-12,42,, Quant Date : 9/10/2024 4:04 pm

Compound #14: 4,4'-DBOB #2



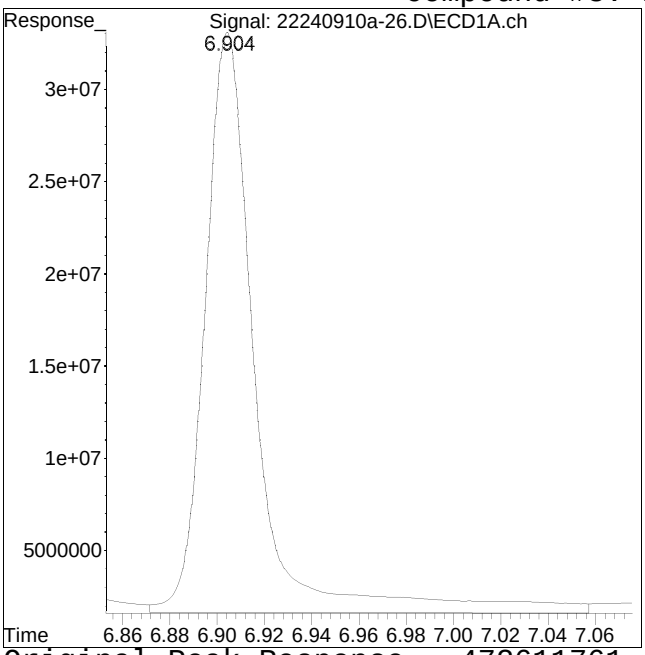


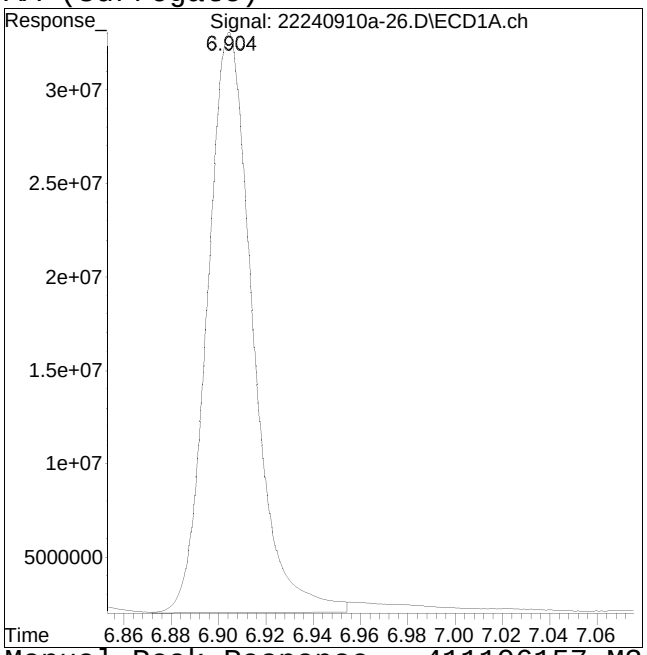
Original Peak Response = 1729700245 Manual Peak Response = 1623570799 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-26.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:39 pm Instrument : Pest22
Sample : L2450786-12,42,, Quant Date : 9/10/2024 4:04 pm

Compound #3: DCAA (surrogate)



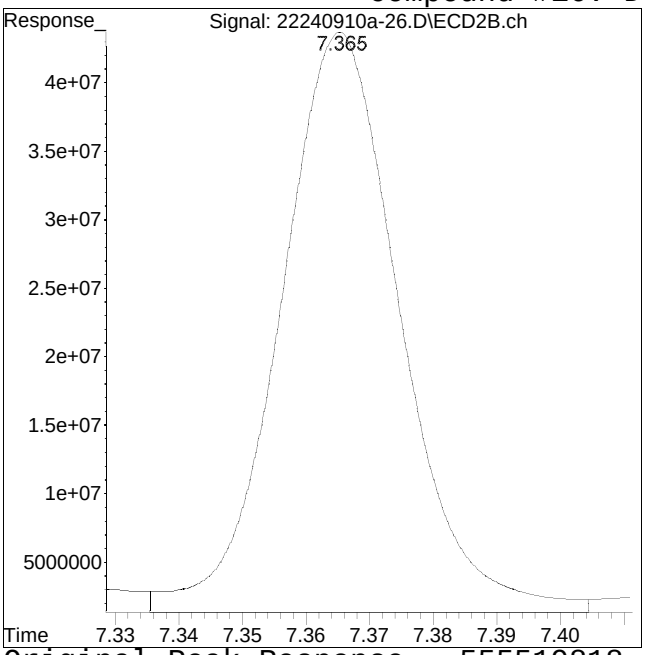


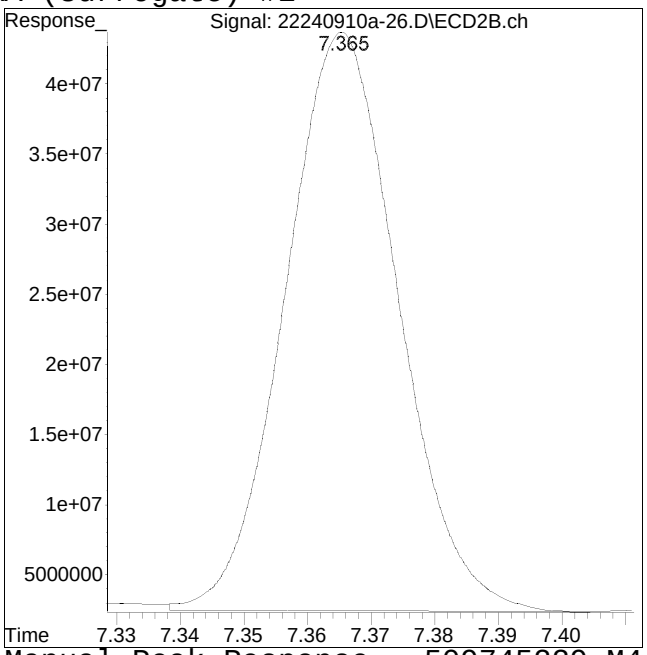
Original Peak Response = 472611761 Manual Peak Response = 411106157 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-26.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 3:39 pm Instrument : Pest22
Sample : L2450786-12,42,, Quant Date : 9/10/2024 4:04 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 555519818 Manual Peak Response = 509745229 M4
M4 = Poor automated baseline construction.

Herbicides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Silvex)	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Signal #2 Calibration Files

1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41
12)	t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

Response Factor Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Sil...	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Signal #2 Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil...	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.547	8.526	942.8E6	960.8E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.010	7.459	41107994	42517010	0.058M4	0.059M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	11.60%#	11.80%#
		Target Compounds						
2)	t	Dalapon	2.415	2.403	44957471	51485046	0.054M4	0.064M3
4)	t	Dicamba	7.190	7.639	116.6E6	118.8E6	0.057M4	0.056M4
5)	t	MCPP	7.391	7.750	5765282	9094615	3.261M4	3.936M4
6)	t	MCPA	7.536	7.976	16321263	22297917	5.115M4	5.707M4
7)	t	Dichloroprop	7.894	8.293	39000105	39065191	0.060M4	0.059M4
8)	t	2,4-D	8.112	8.567	44380572	64259446	0.056M3	0.069M3
9)	t	2,4,5-TP (Si	8.820	9.223	161.2E6	168.5E6	0.054M4	0.055M4
10)	t	2,4,5-T	9.044	9.511	161.7E6	158.6E6	0.054M4	0.055M4
11)	t	2,4-DB	9.451	9.871	24386246	27904577	0.056M3	0.057M4
12)	t	Dinoseb	10.192	10.094	122.4E6	108.9E6	0.058M3	0.056M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

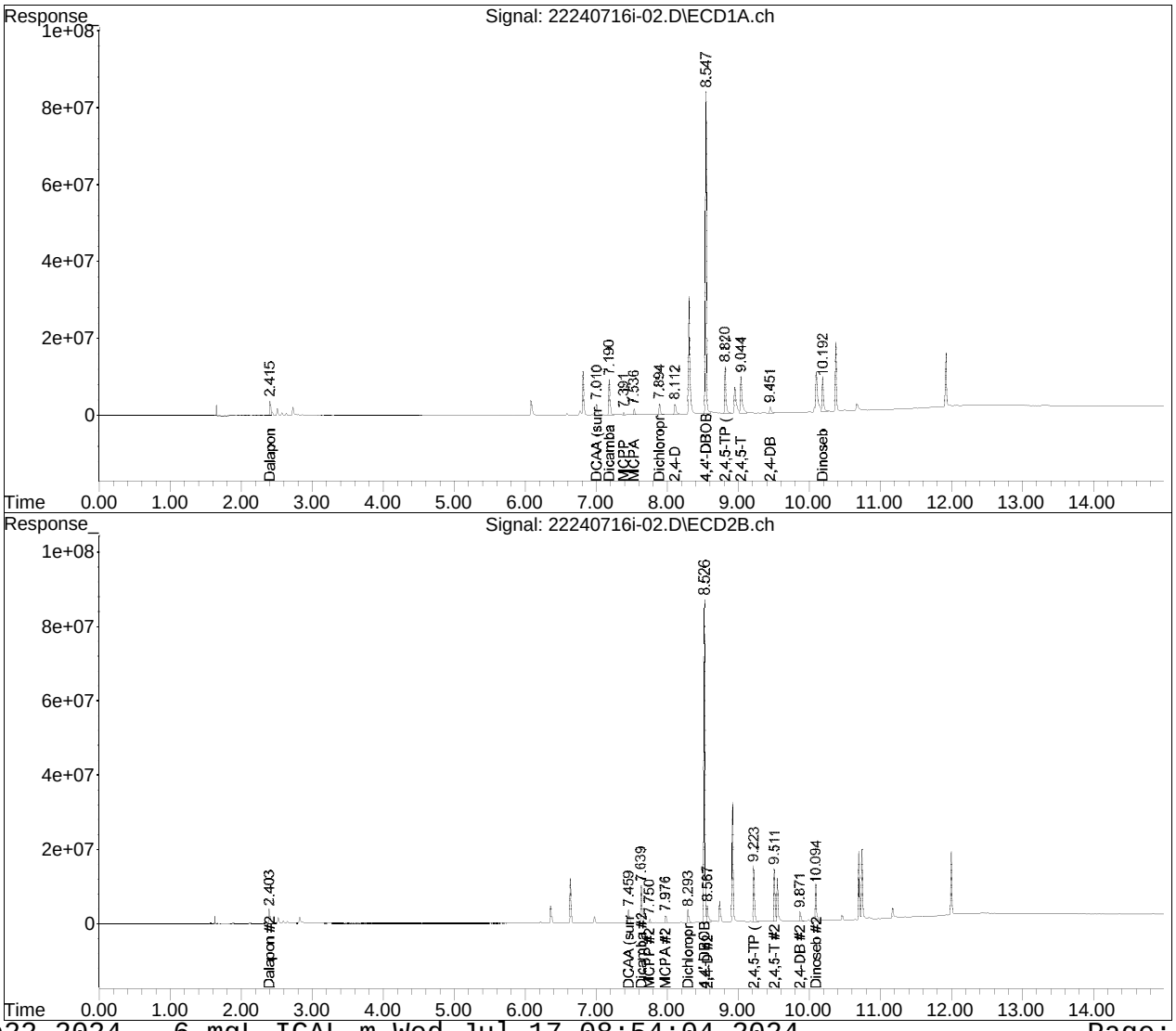
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

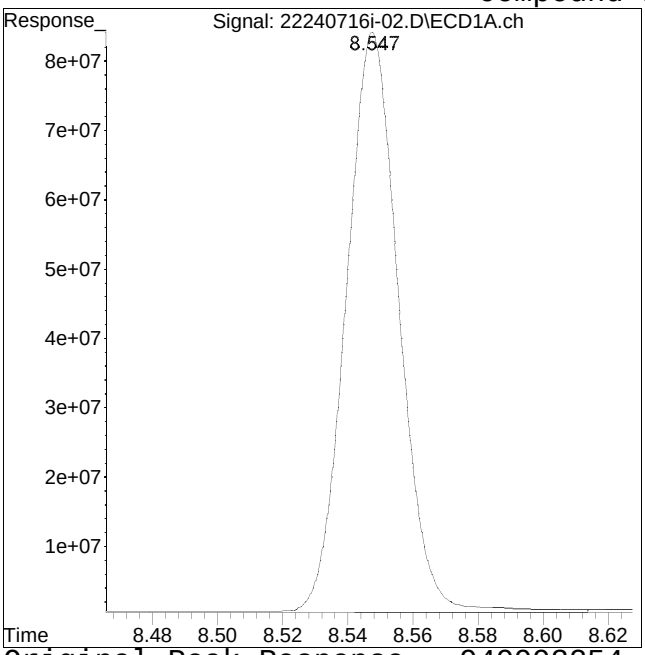
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



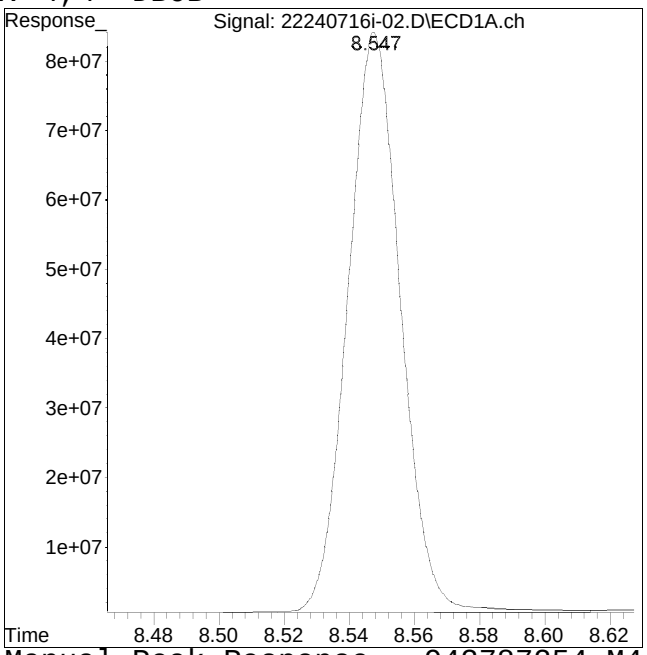
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 949993254

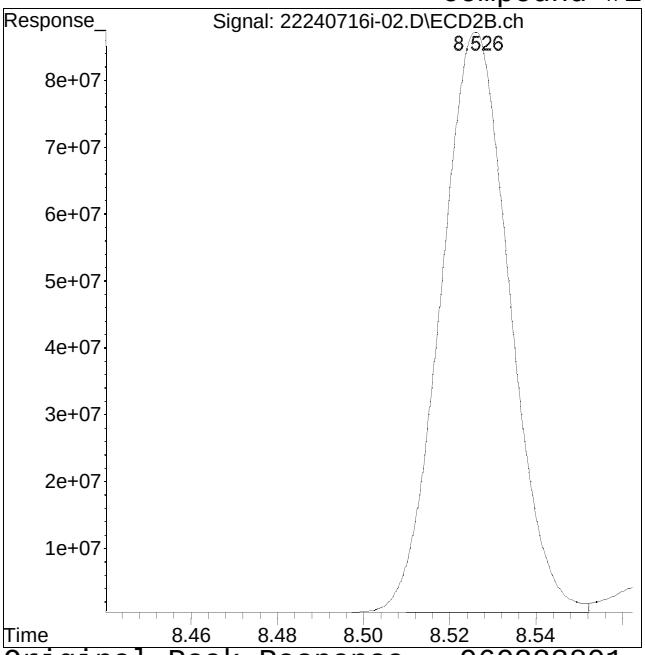


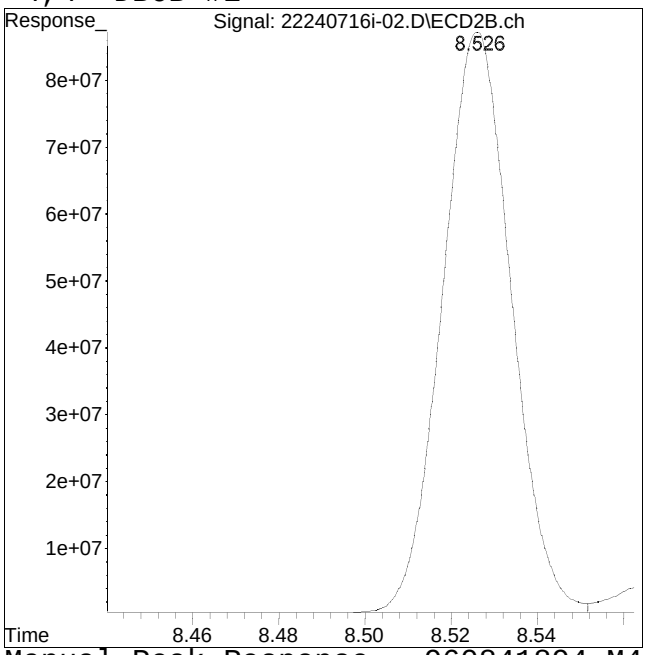
Manual Peak Response = 942787254 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #14: 4,4'-DBOB #2



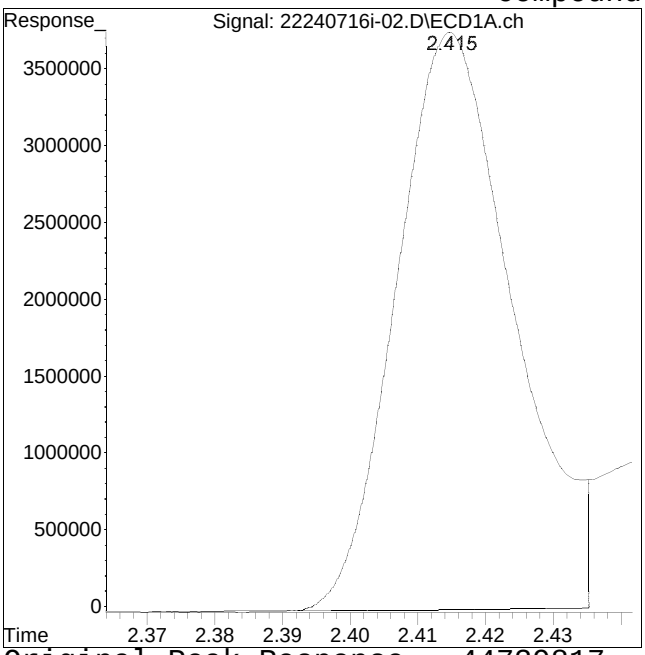


Original Peak Response = 960323801 Manual Peak Response = 960841894 M4
M4 = Poor automated baseline construction.

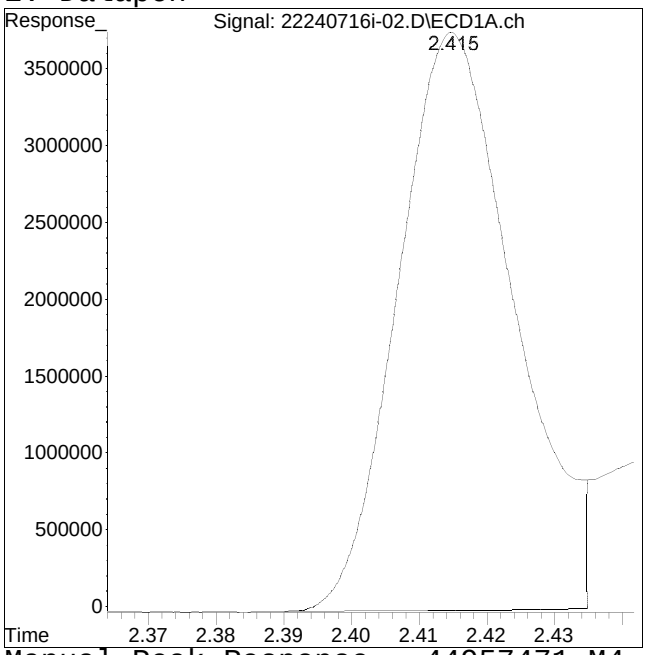
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #2: Dalapon



Original Peak Response = 44739817



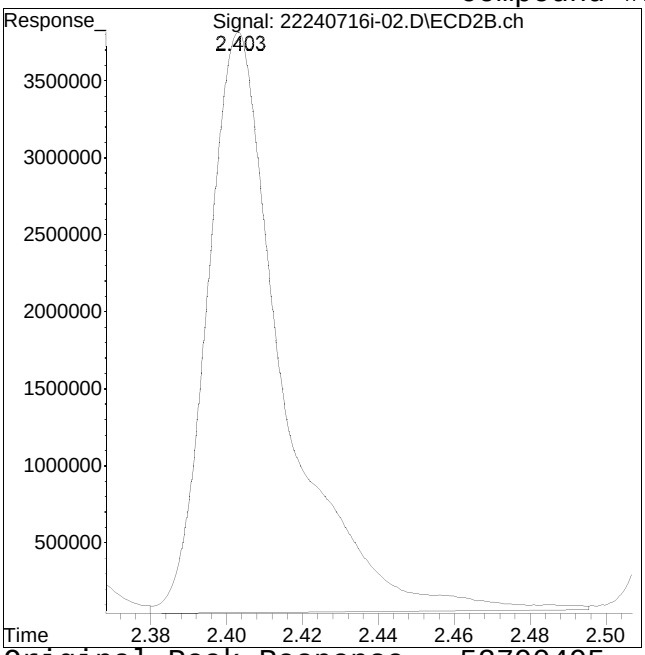
Manual Peak Response = 44957471 M4

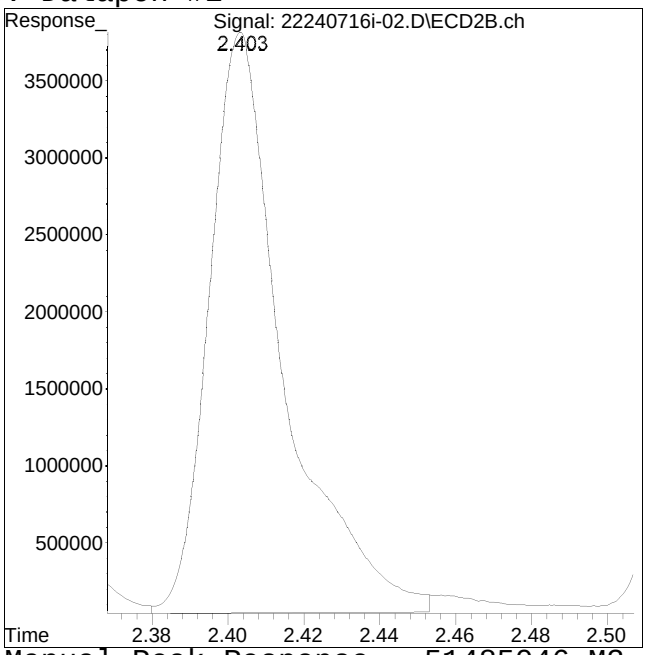
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #15: Dalapon #2



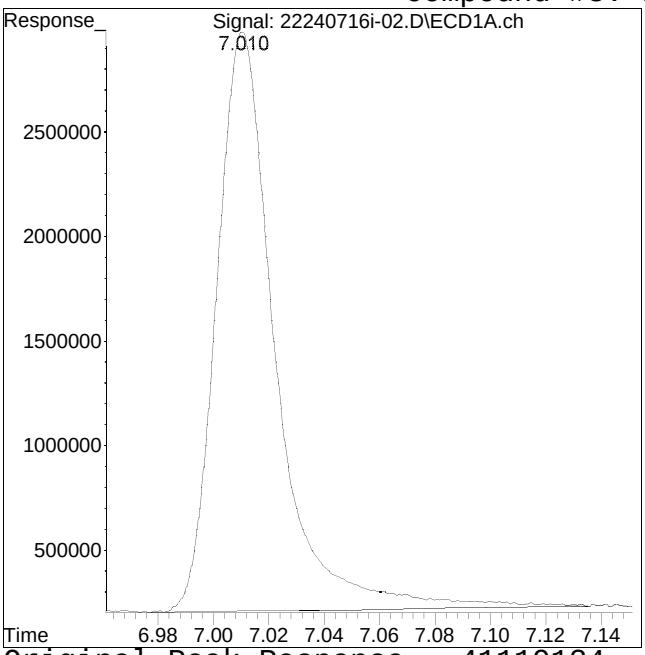


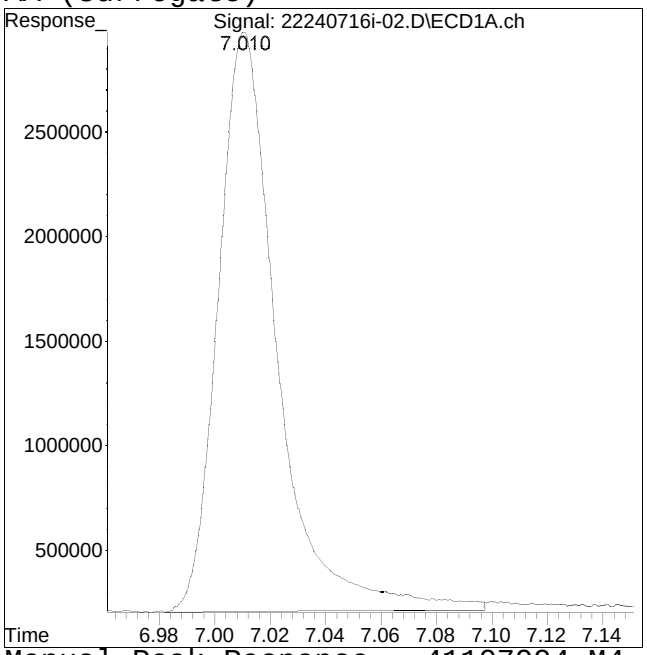
Original Peak Response = 52790495 Manual Peak Response = 51485046 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #3: DCAA (surrogate)





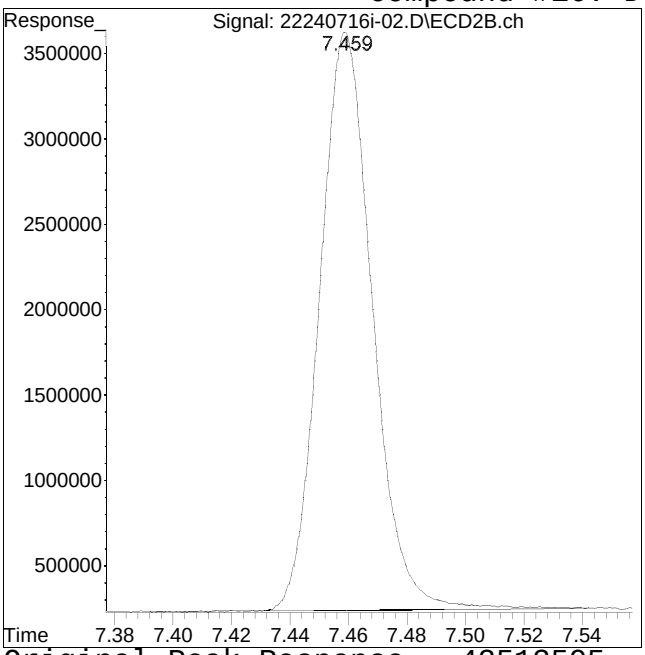
Original Peak Response = 41119134 Manual Peak Response = 41107994 M4
M4 = Poor automated baseline construction.

Manual Integration Report

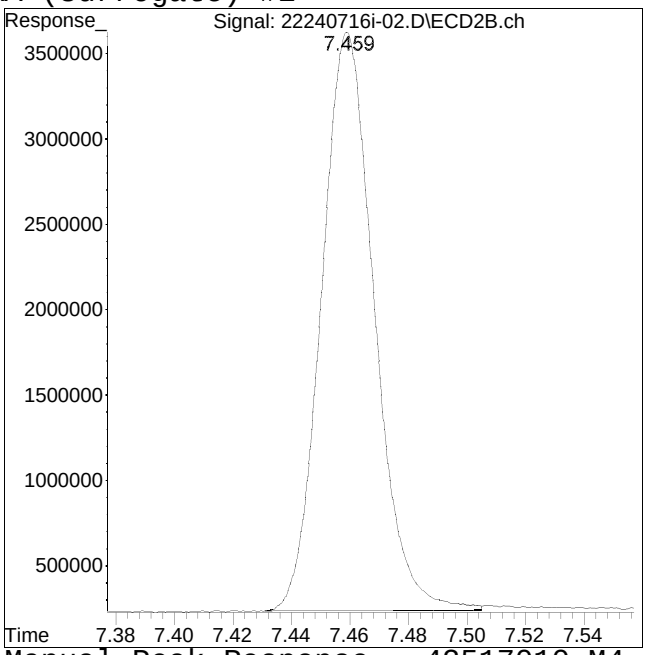
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 42513595



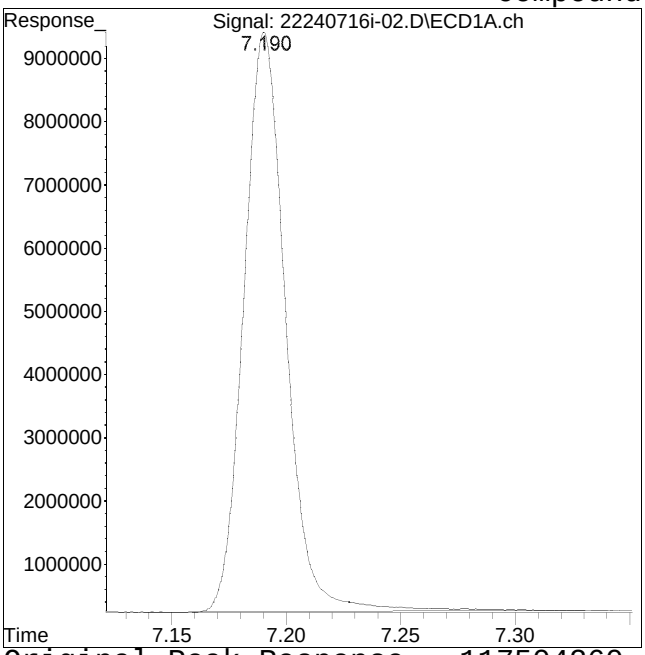
Manual Peak Response = 42517010 M4

M4 = Poor automated baseline construction.

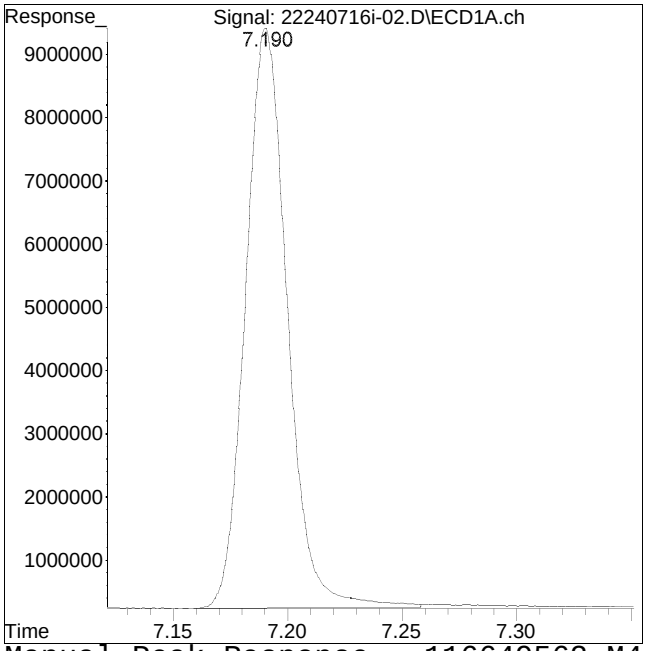
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #4: Dicamba



Original Peak Response = 117504260



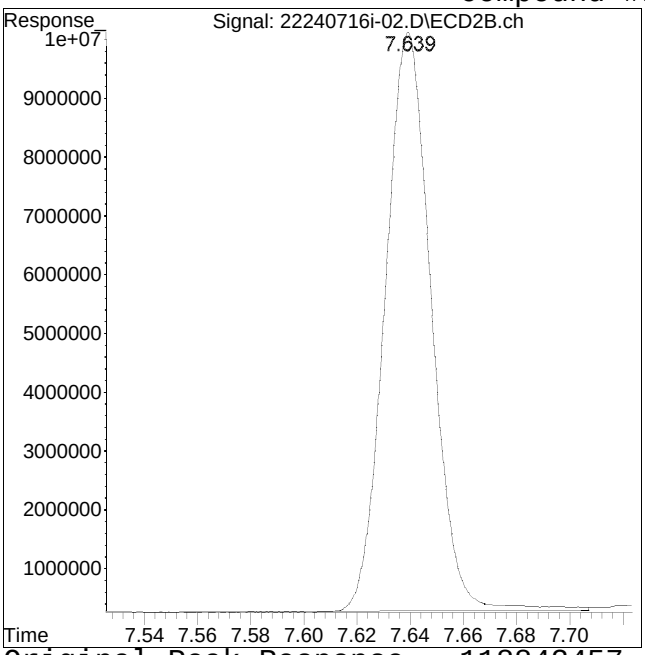
Manual Peak Response = 116649562 M4

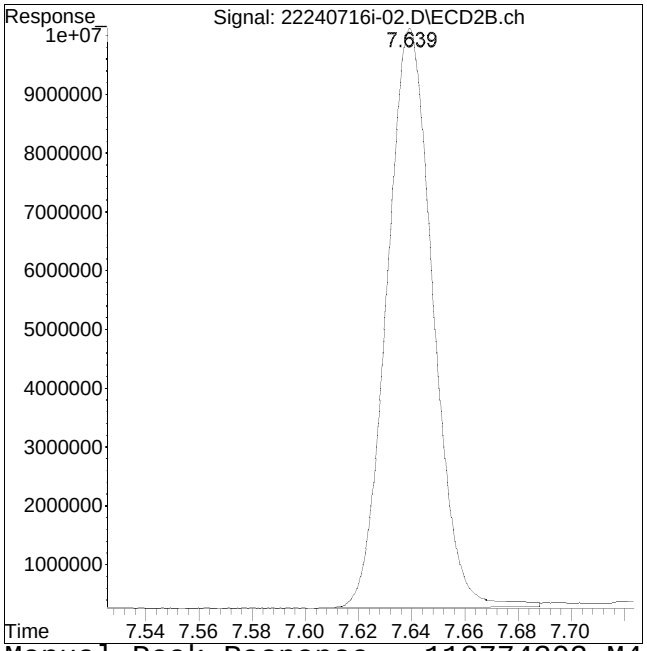
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #17: Dicamba #2



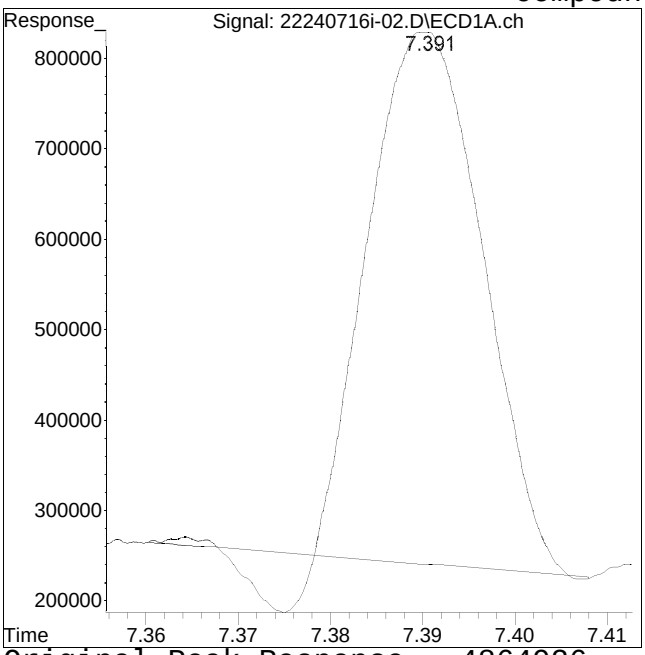


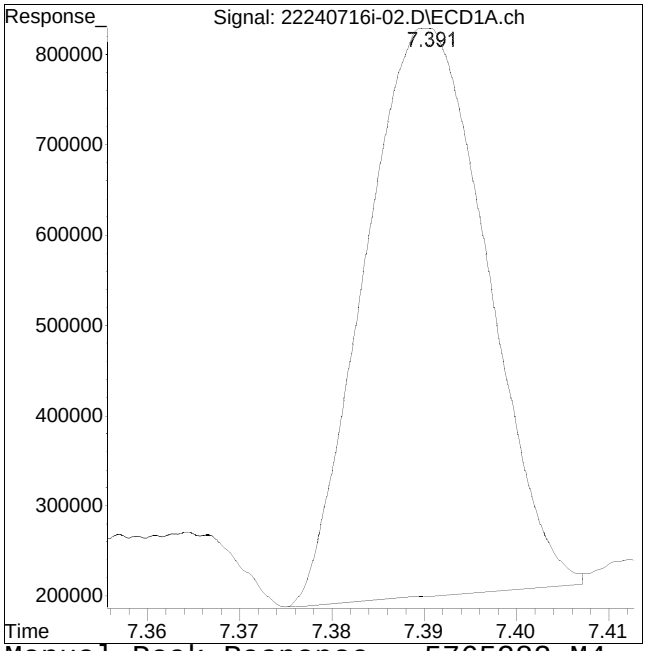
Original Peak Response = 118842457 Manual Peak Response = 118774303 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #5: MCPP



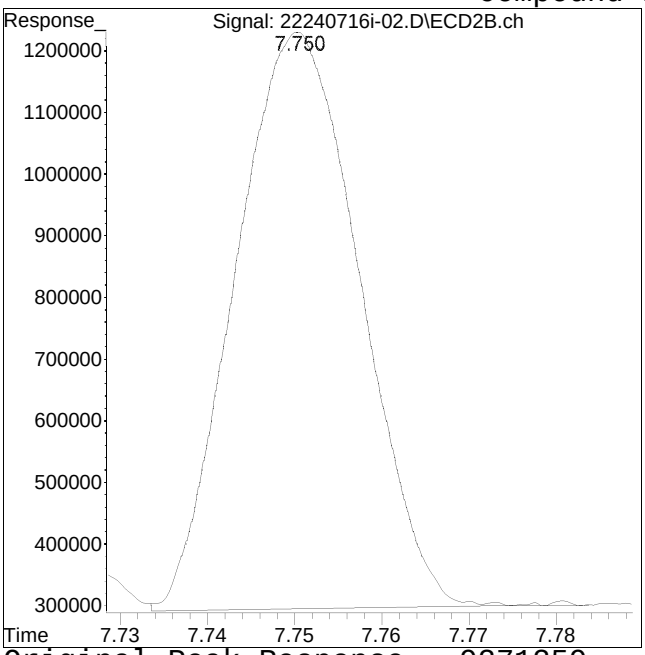


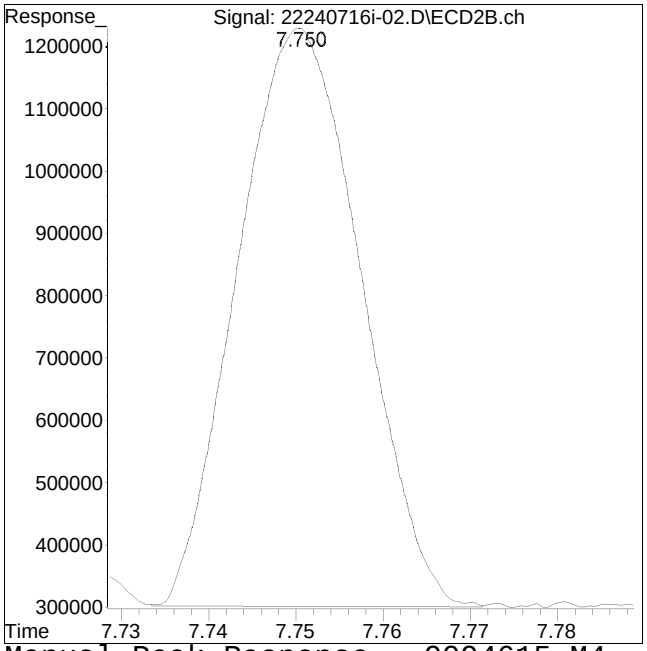
Original Peak Response = 4864926 Manual Peak Response = 5765282 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #18: MCPP #2



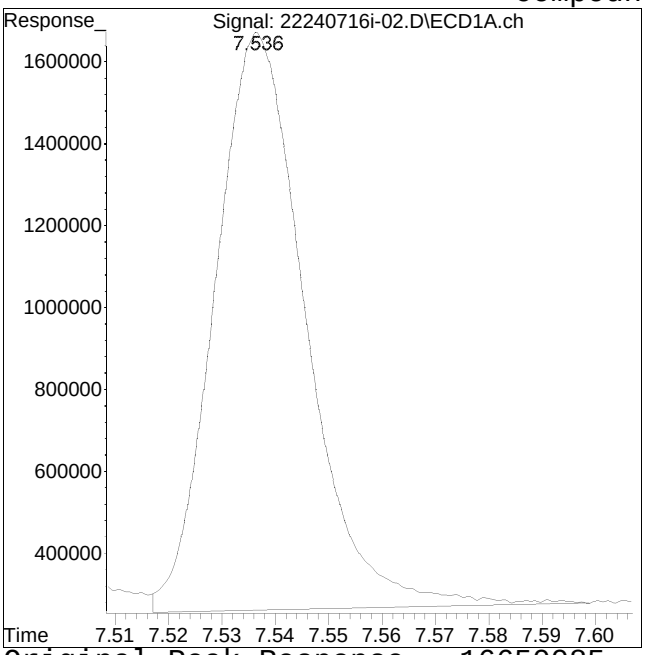


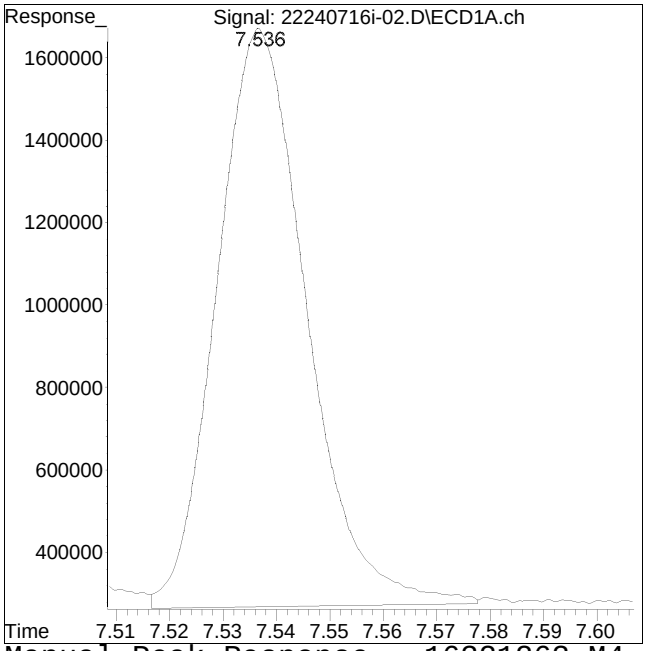
Original Peak Response = 9271259 Manual Peak Response = 9094615 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #6: MCPA



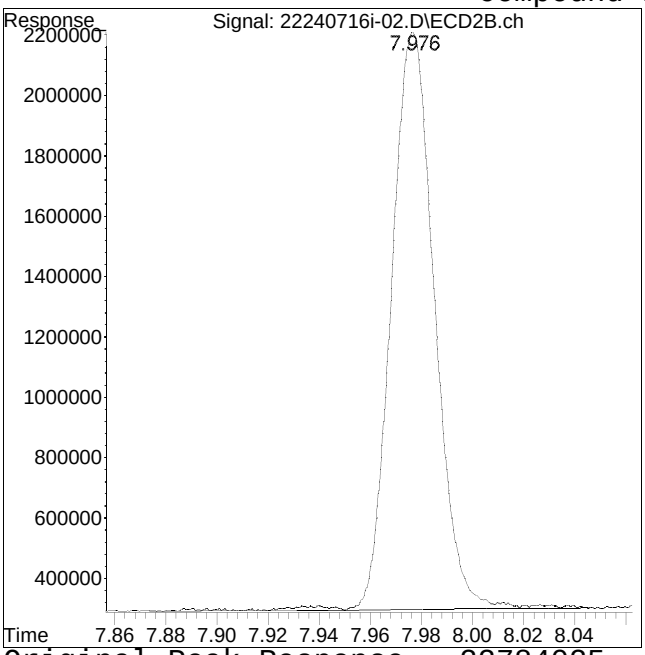


Original Peak Response = 16650085 Manual Peak Response = 16321263 M4
M4 = Poor automated baseline construction.

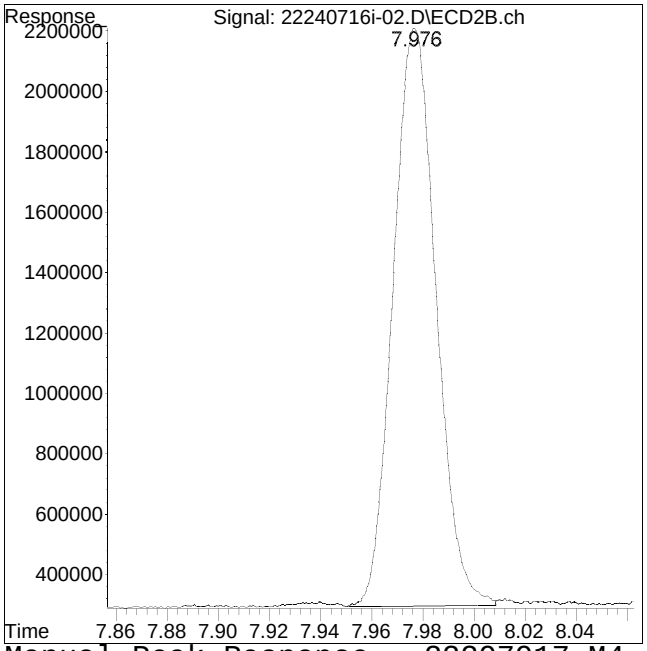
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #19: MCPA #2



Original Peak Response = 22784025



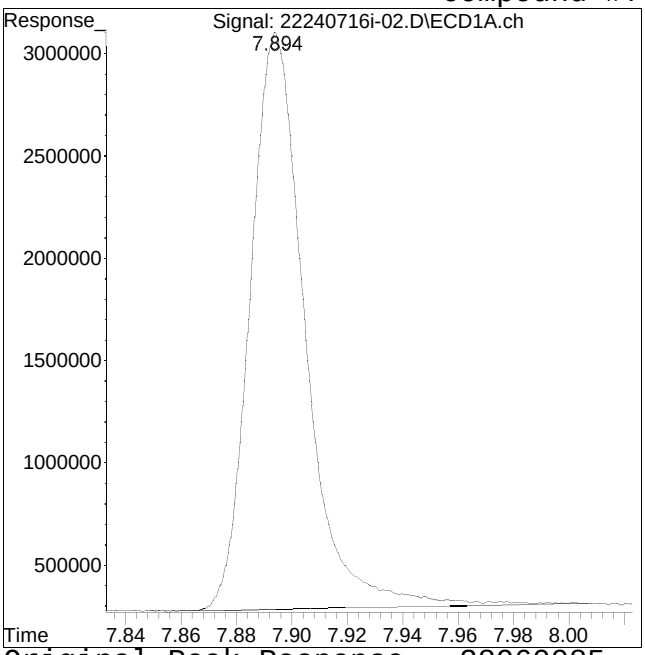
Manual Peak Response = 22297917 M4

M4 = Poor automated baseline construction.

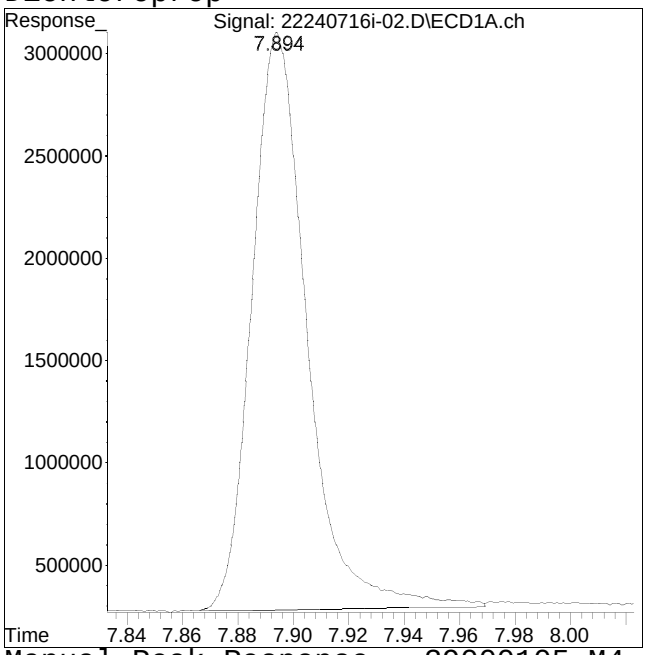
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #7: Dichloroprop



Original Peak Response = 38960085



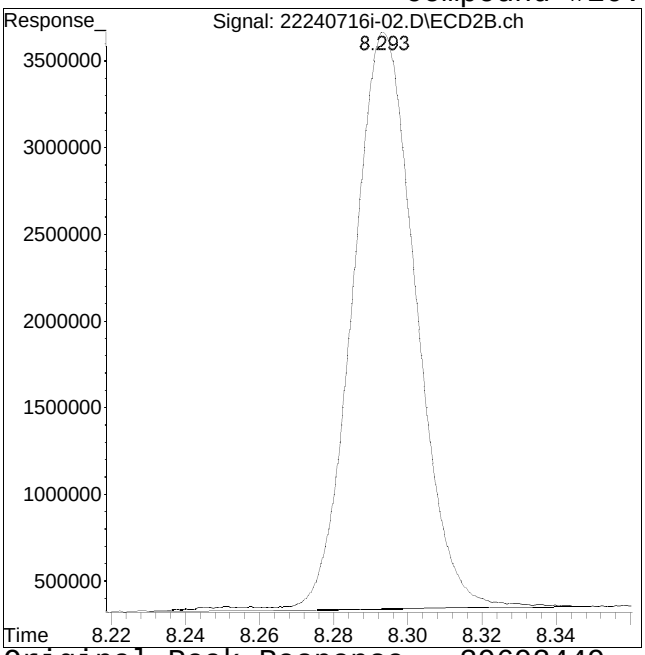
Manual Peak Response = 39000105 M4

M4 = Poor automated baseline construction.

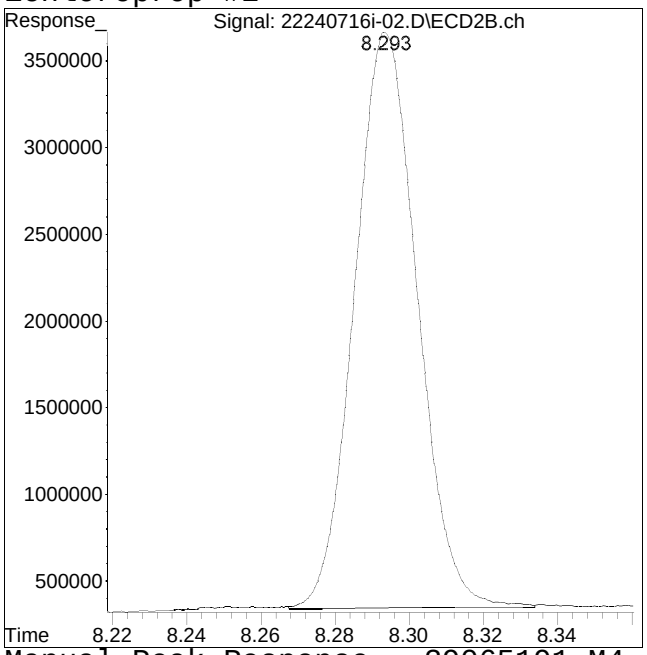
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #20: Dichloroprop #2



Original Peak Response = 39692449



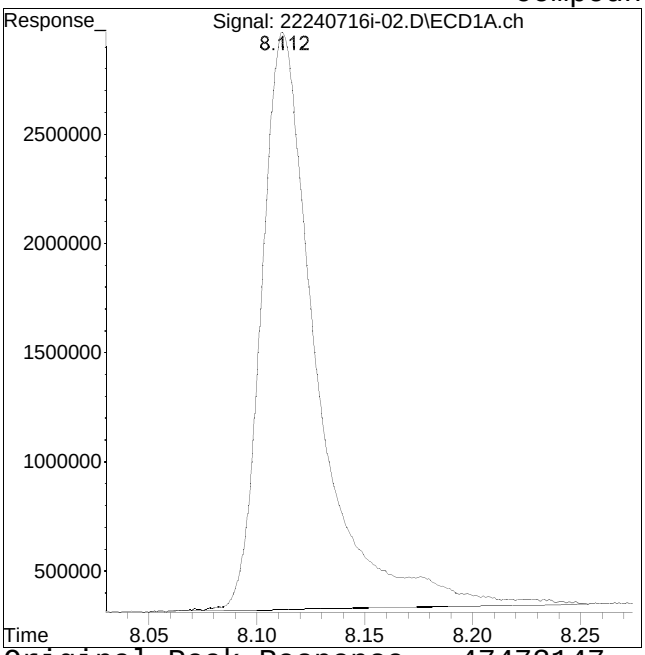
Manual Peak Response = 39065191 M4

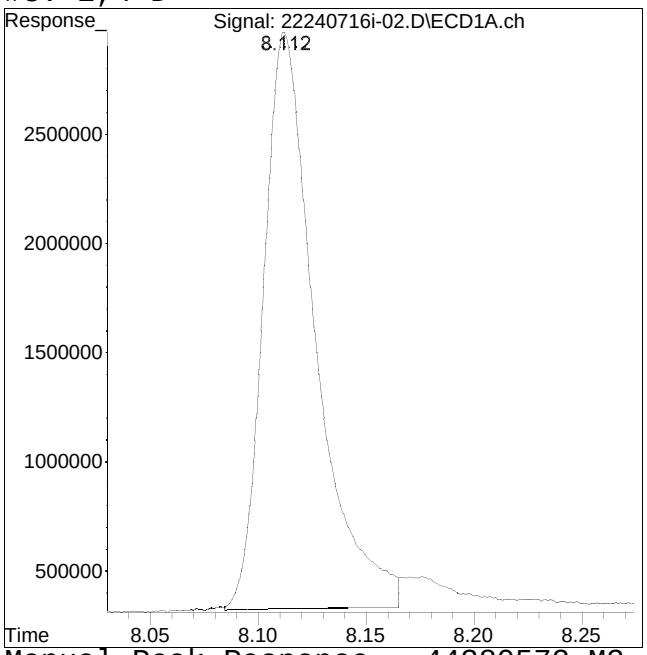
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #8: 2,4-D



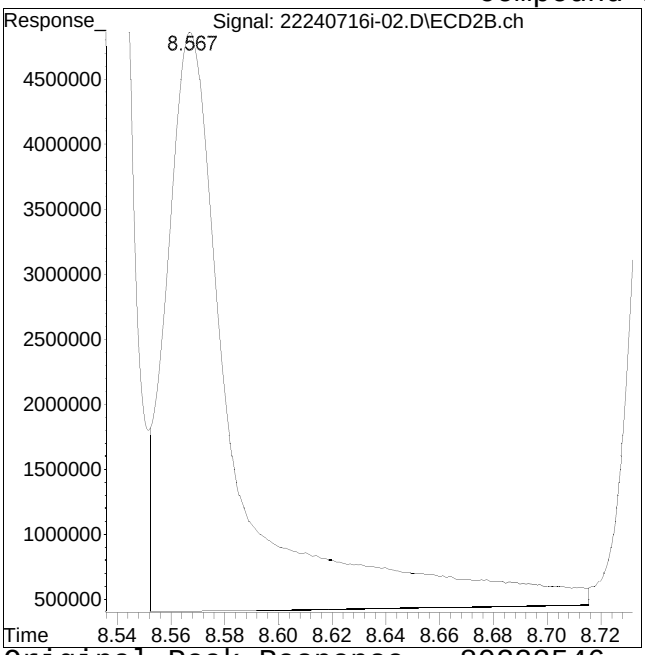


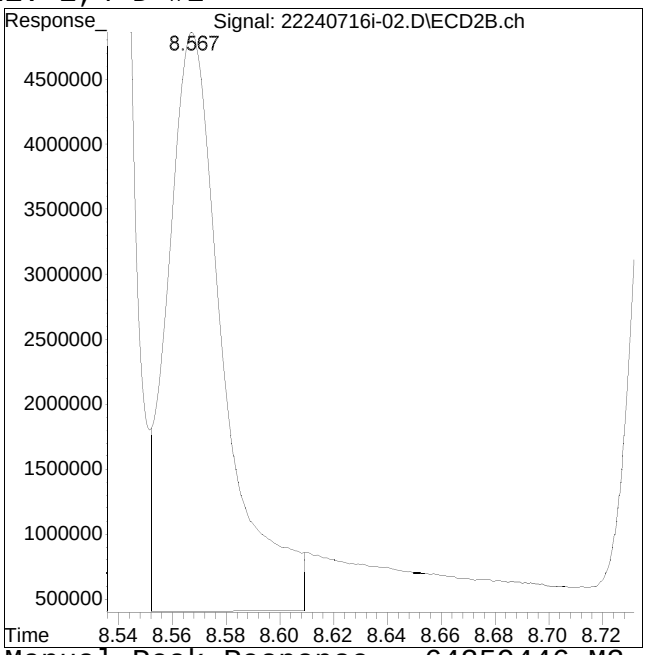
Original Peak Response = 47473147 Manual Peak Response = 44380572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #21: 2,4-D #2



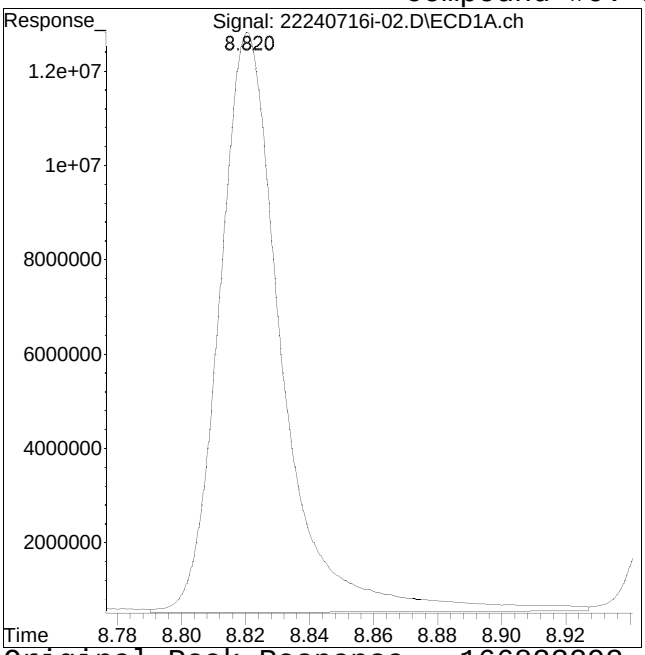


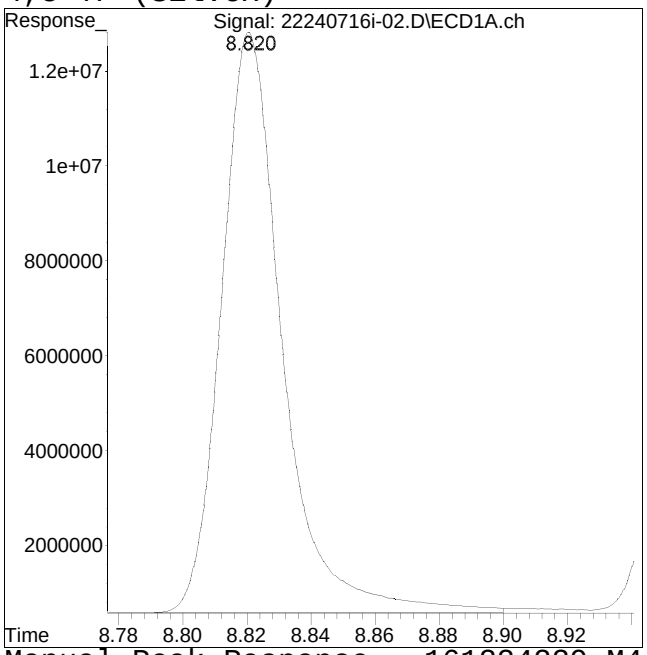
Original Peak Response = 80222546 Manual Peak Response = 64259446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #9: 2,4,5-TP (Silvex)



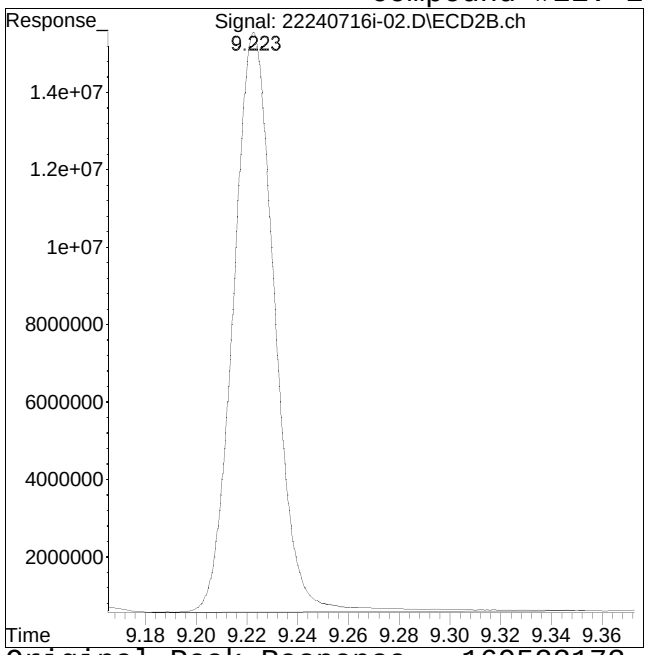


Original Peak Response = 166823293 Manual Peak Response = 161224229 M4
M4 = Poor automated baseline construction.

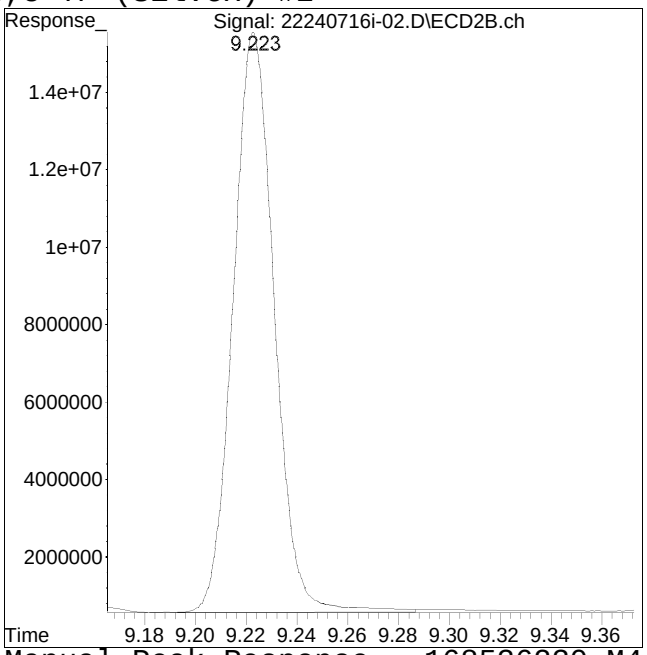
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 169522173



Manual Peak Response = 168536230 M4

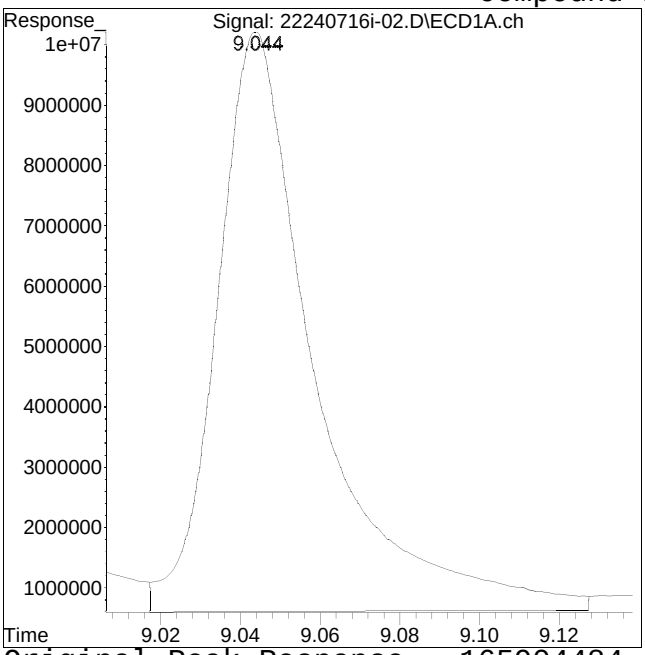
M4 = Poor automated baseline construction.

Manual Integration Report

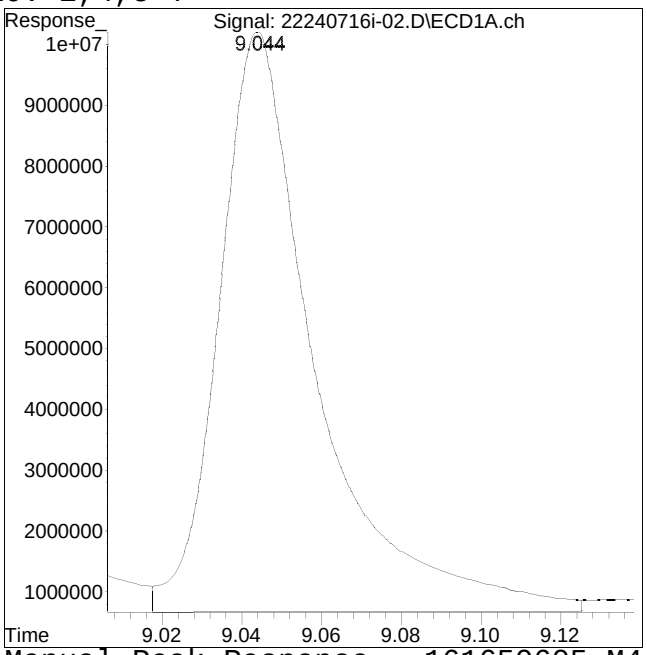
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #10: 2,4,5-T



Original Peak Response = 165904484



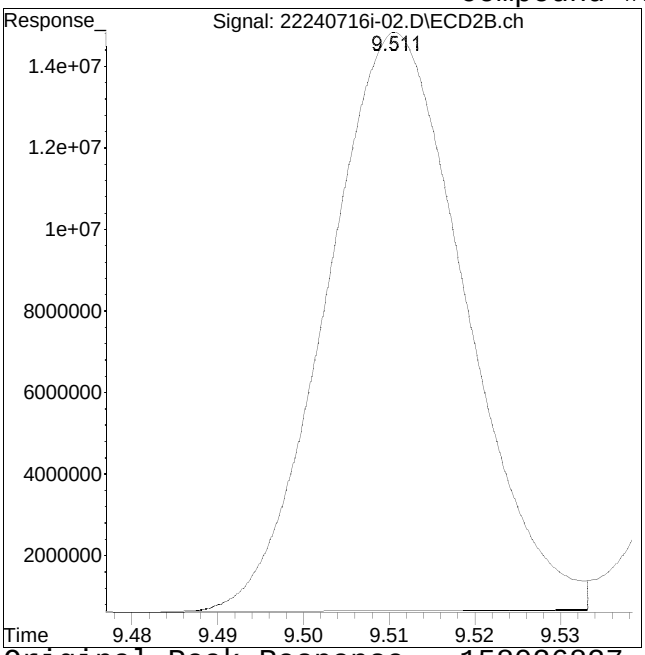
Manual Peak Response = 161650605 M4

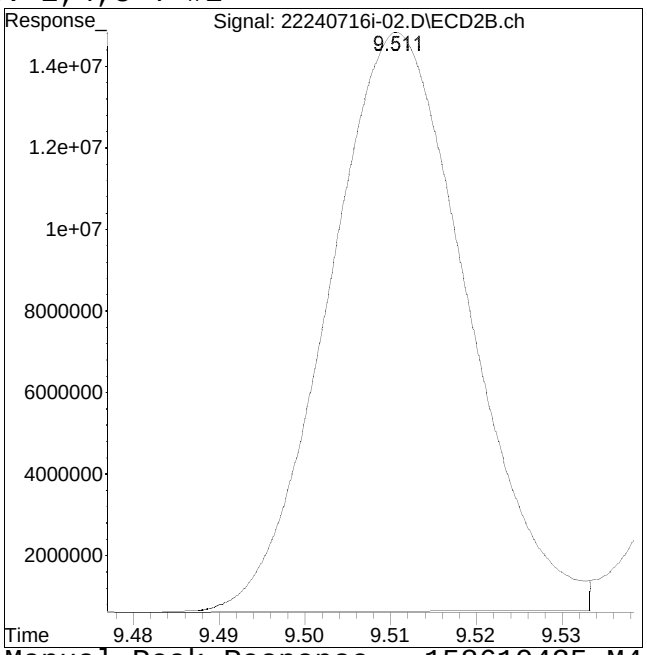
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #23: 2,4,5-T #2



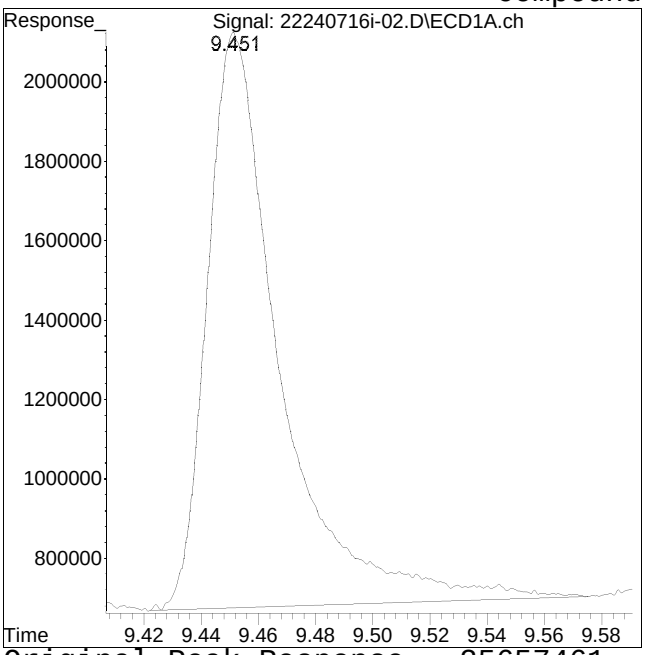


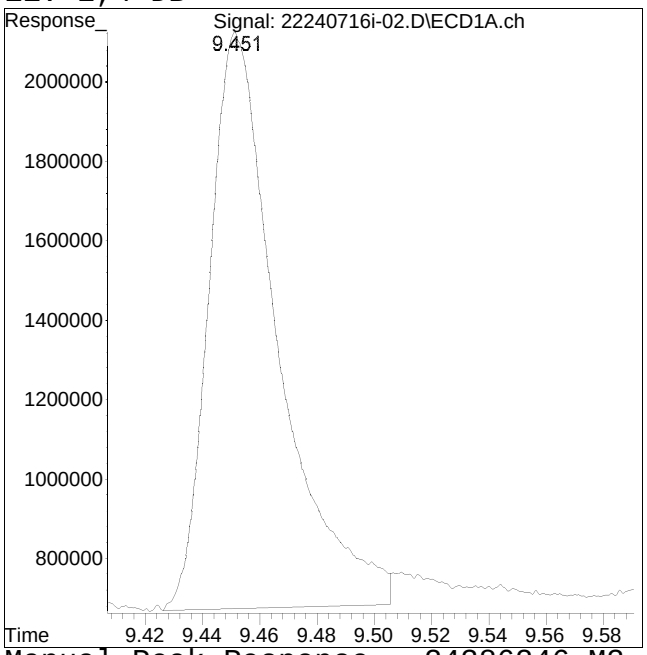
Original Peak Response = 158026827 Manual Peak Response = 158610435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #11: 2,4-DB



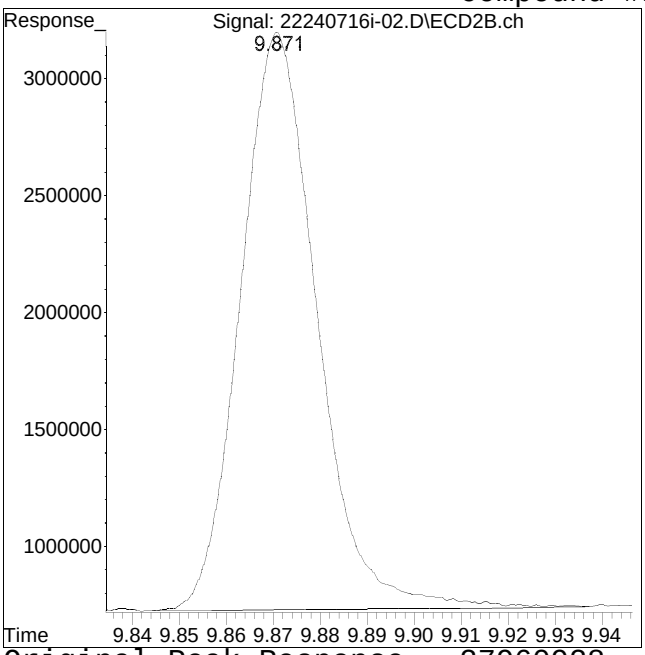


Original Peak Response = 25657461 Manual Peak Response = 24386246 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

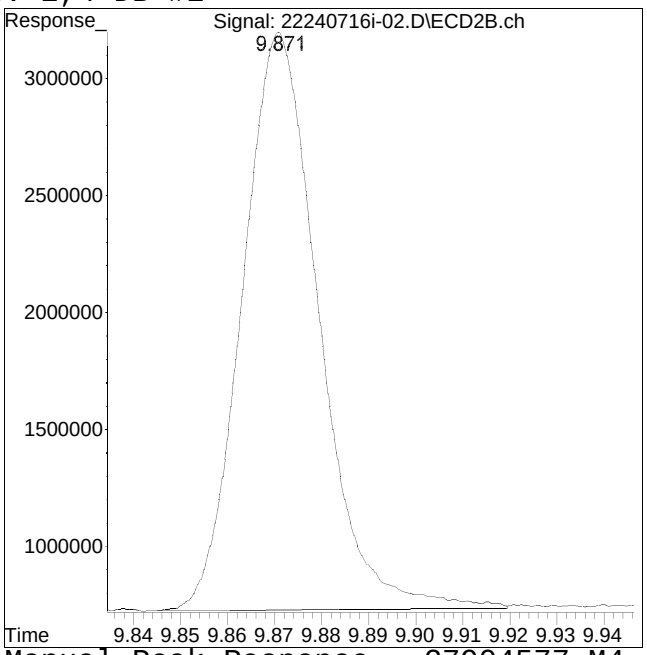
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #24: 2,4-DB #2



Original Peak Response = 27960928



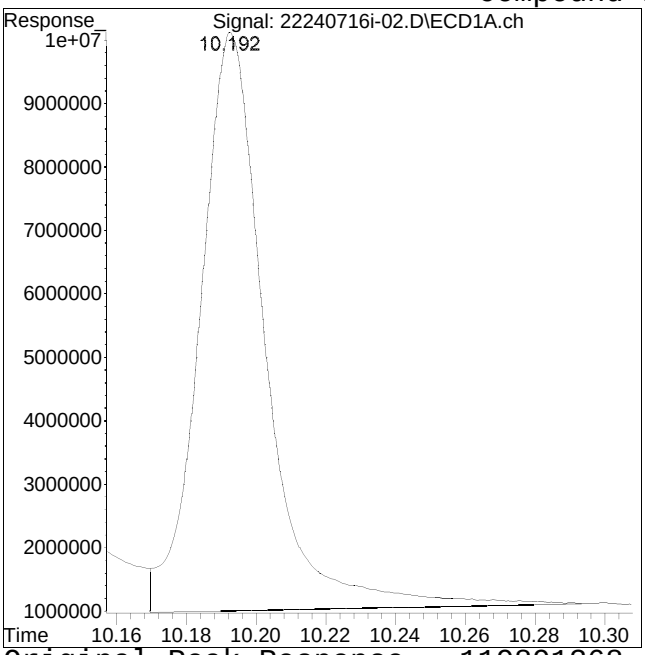
Manual Peak Response = 27904577 M4

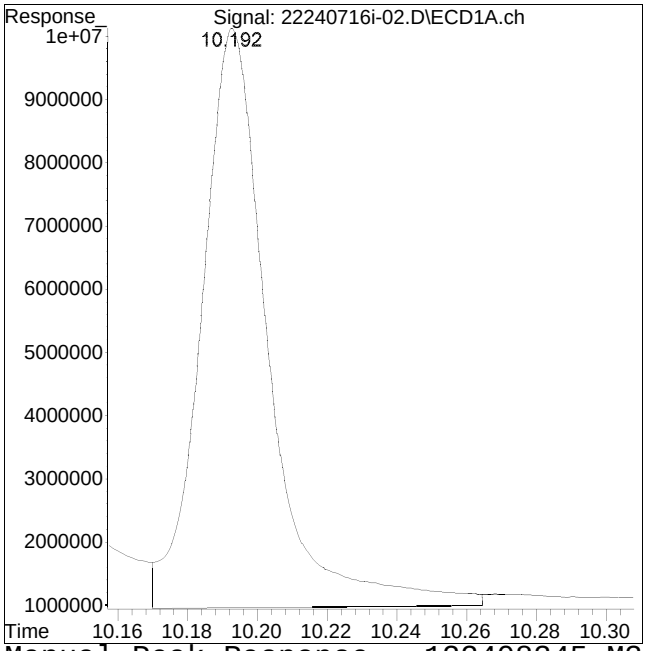
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #12: Dinoseb



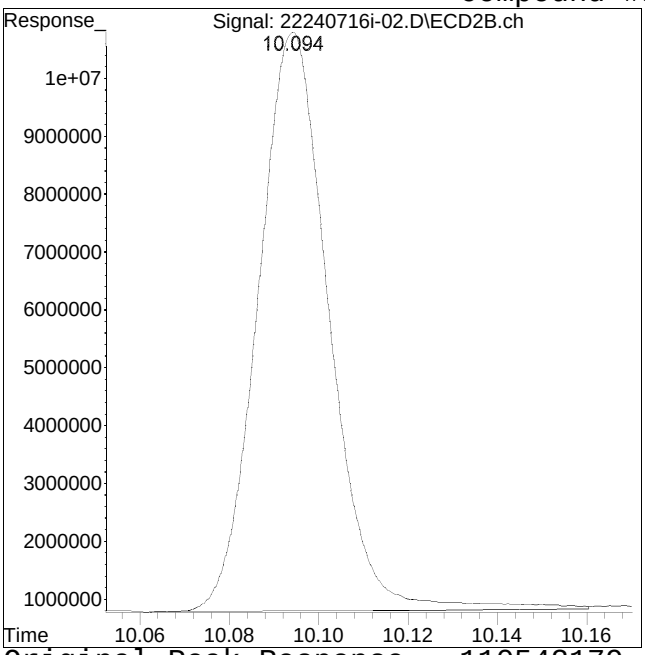


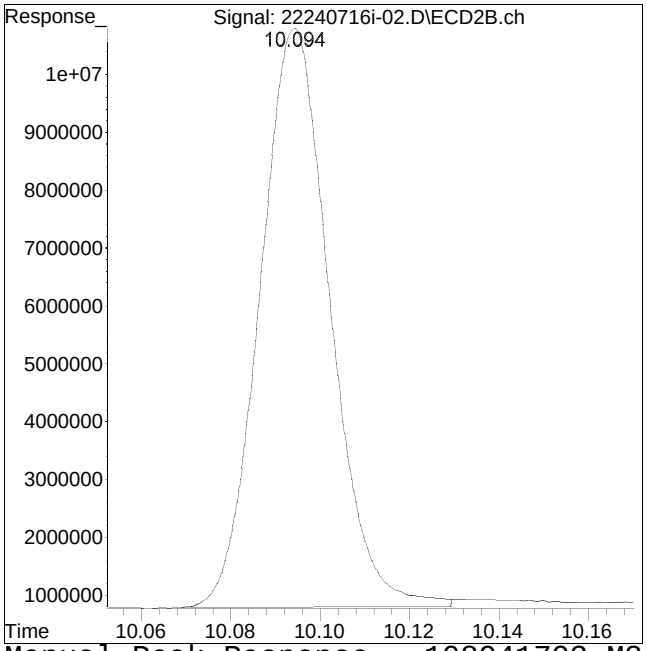
Original Peak Response = 119891368 Manual Peak Response = 122408345 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #25: Dinoseb #2





Original Peak Response = 110542179 Manual Peak Response = 108941793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.546	8.526	918.5E6	936.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.007	7.459	75863528	78124435	0.116M4	0.118M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	23.20%#	23.60%#
		Target Compounds						
2)	t	Dalapon	2.414	2.402	85745829	88051472	0.111M3	0.119M3
4)	t	Dicamba	7.188	7.639	220.0E6	223.3E6	0.115M4	0.112M4
5)	t	MCPP	7.388	7.750	14143065	20270945	7.959	8.901M4
6)	t	MCPA	7.534	7.976	32410581	40968503	10.750M4	11.191M4
7)	t	Dichloroprop	7.891	8.294	71294841	71521276	0.119M4	0.115M4
8)	t	2,4-D	8.107	8.567	84022340	117.4E6	0.113M4	0.143M3
9)	t	2,4,5-TP (Si	8.818	9.223	309.7E6	319.6E6	0.111M4	0.111M3
10)	t	2,4,5-T	9.040	9.511	312.6E6	301.3E6	0.111M3	0.110
11)	t	2,4-DB	9.448	9.871	46810778	51679888	0.115M4	0.113
12)	t	Dinoseb	10.191	10.094	229.0E6	206.3E6	0.116M3	0.112M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

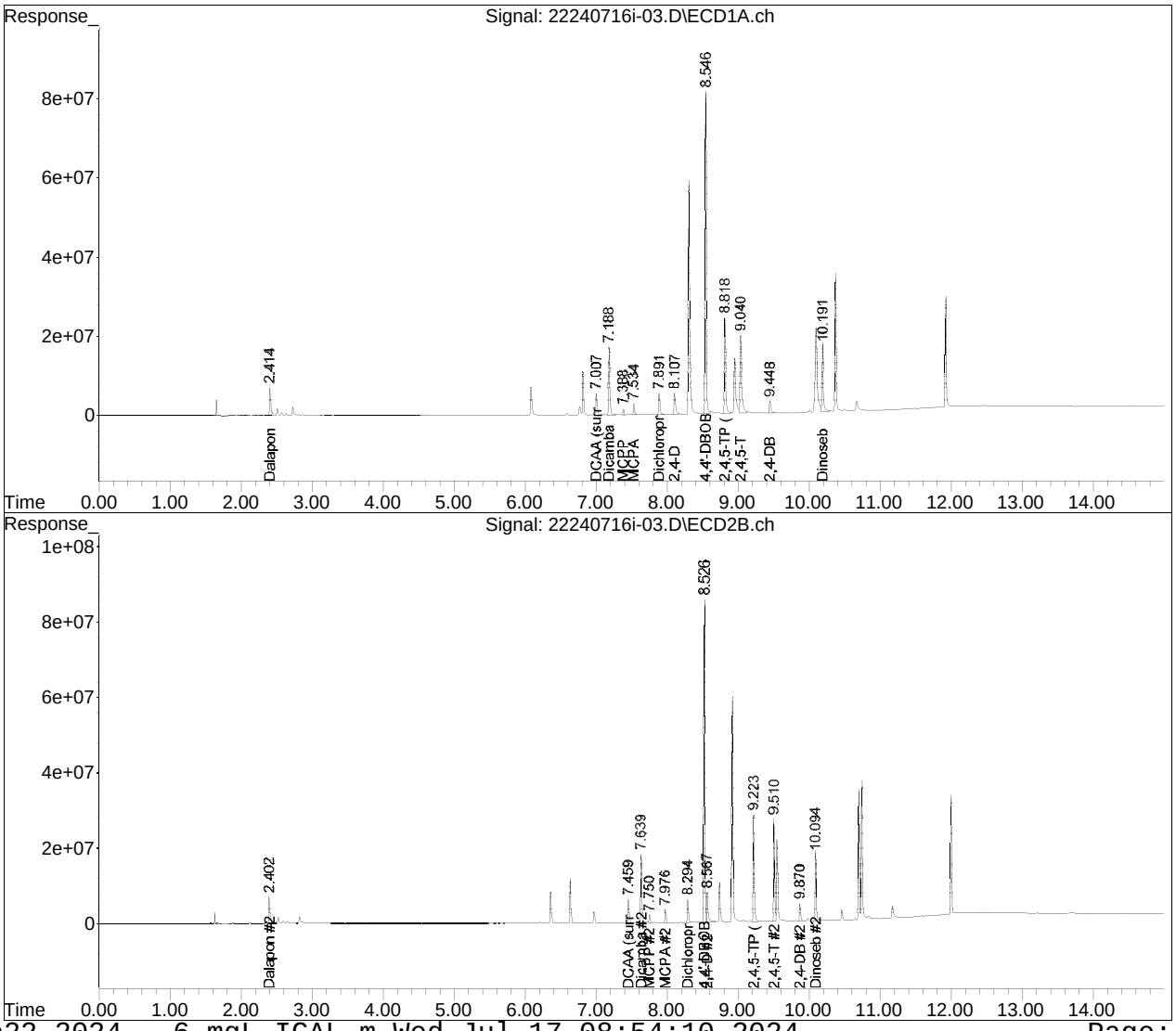
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

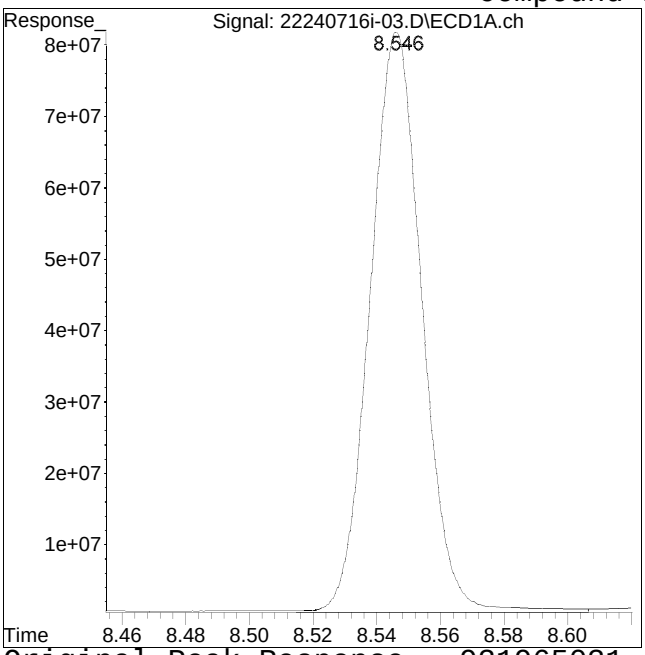
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



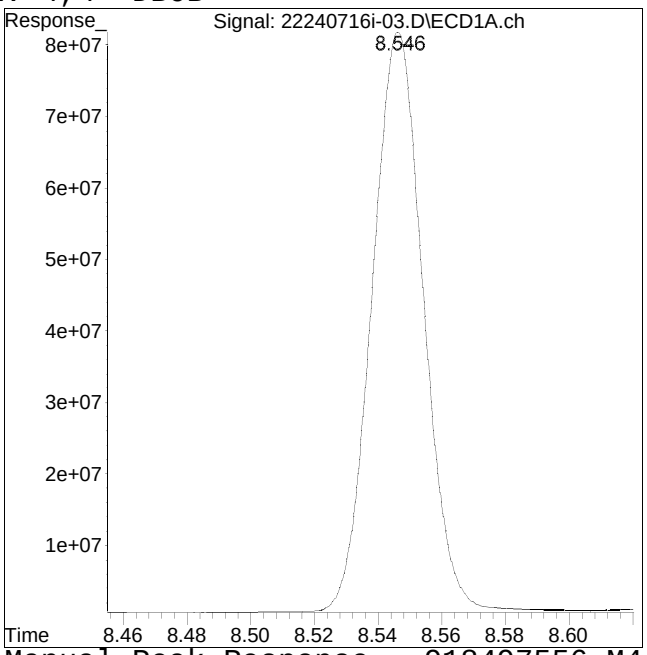
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 931965031



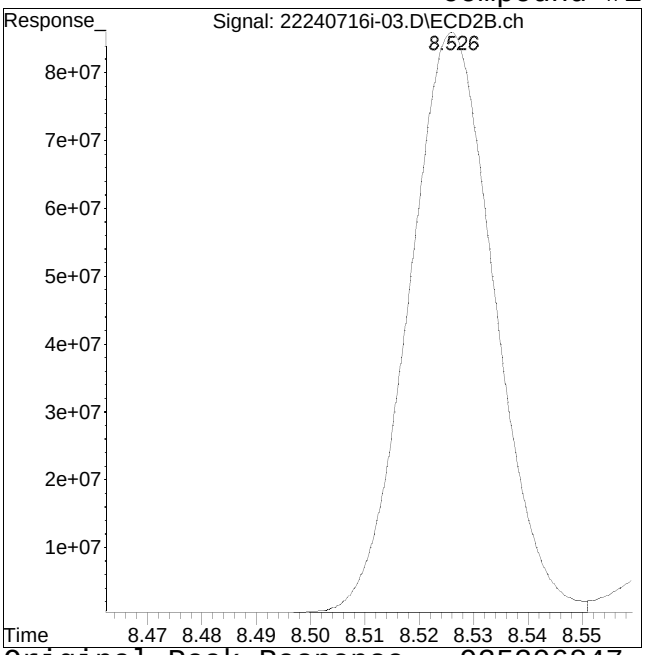
Manual Peak Response = 918497556 M4

M4 = Poor automated baseline construction.

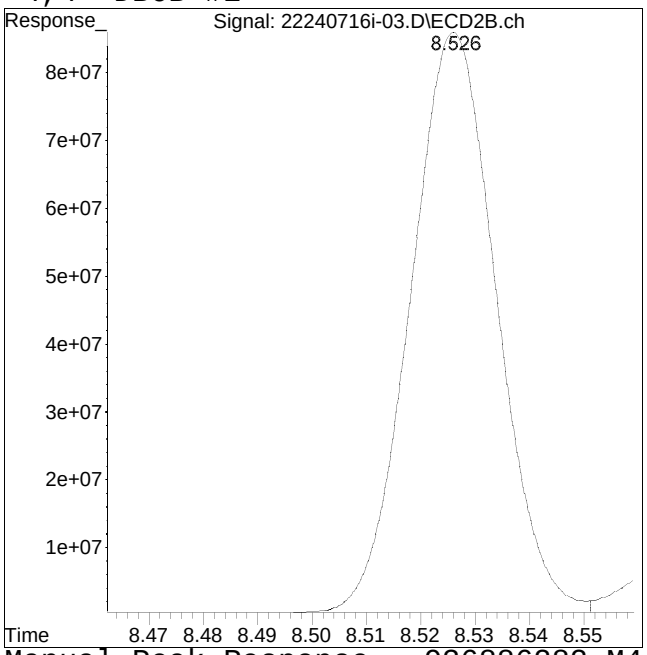
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 935306847



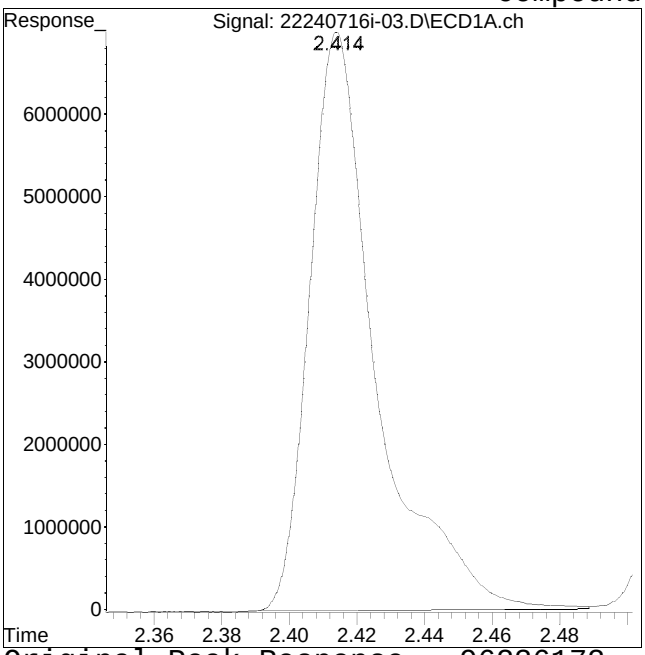
Manual Peak Response = 936886282 M4

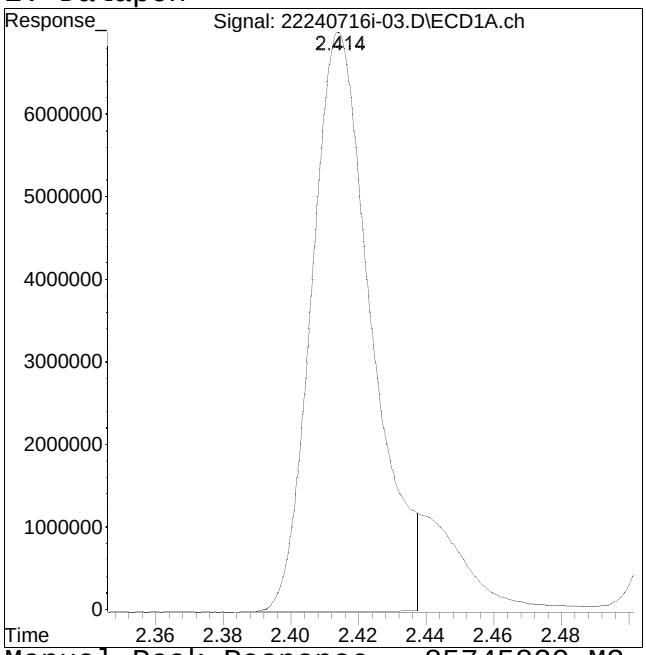
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #2: Dalapon



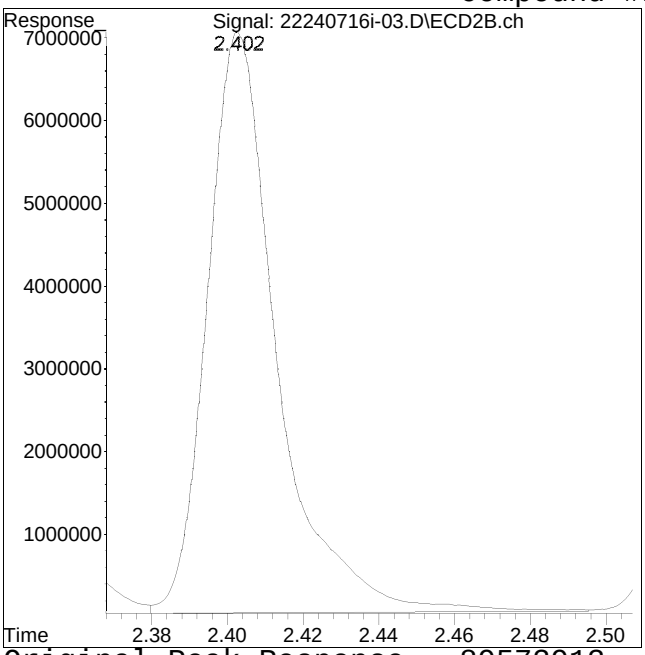


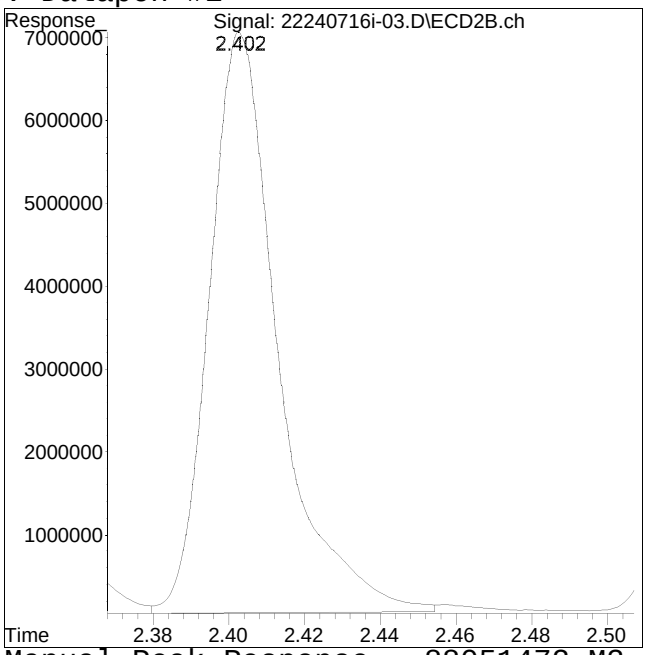
Original Peak Response = 96236172 Manual Peak Response = 85745829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #15: Dalapon #2





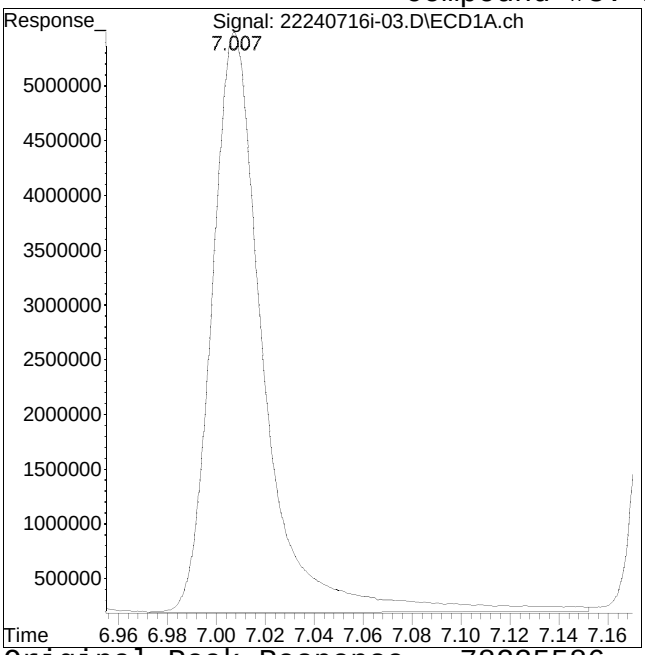
Original Peak Response = 89573913 Manual Peak Response = 88051472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

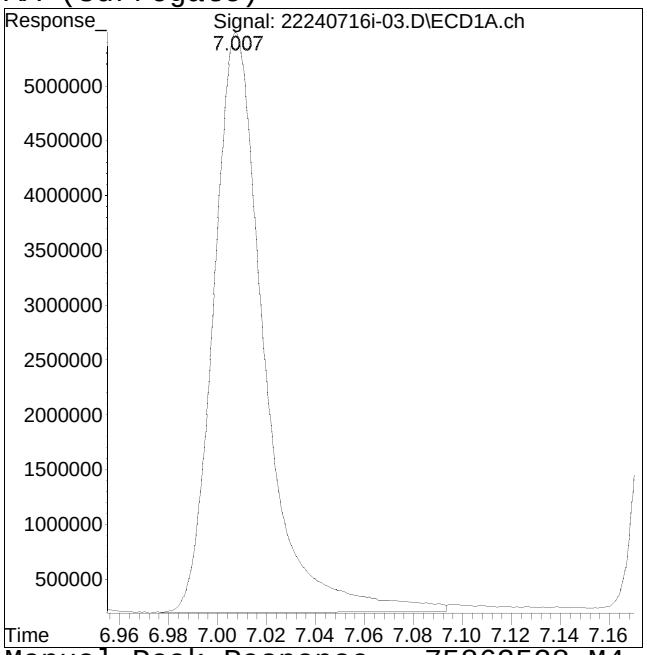
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 78235586



Manual Peak Response = 75863528 M4

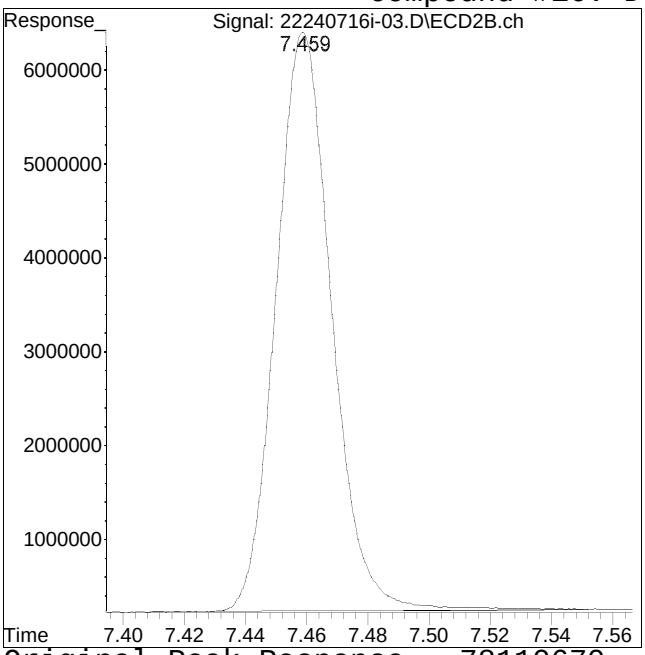
M4 = Poor automated baseline construction.

Manual Integration Report

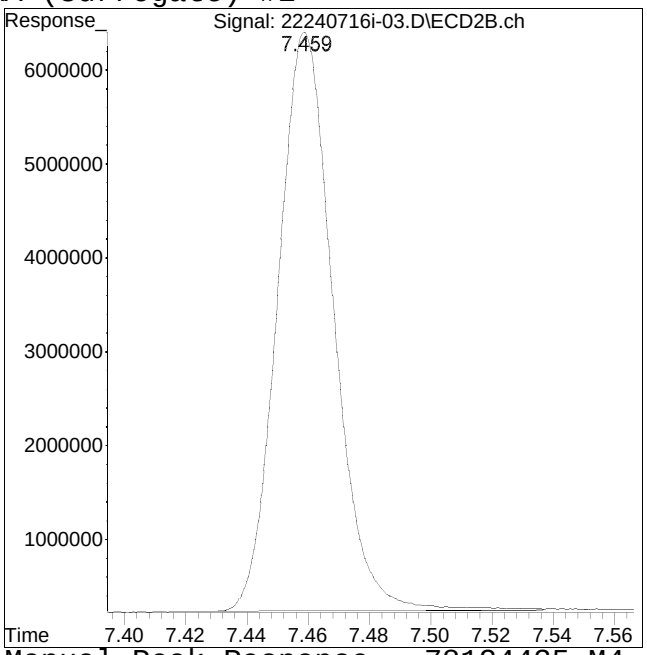
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 78110670



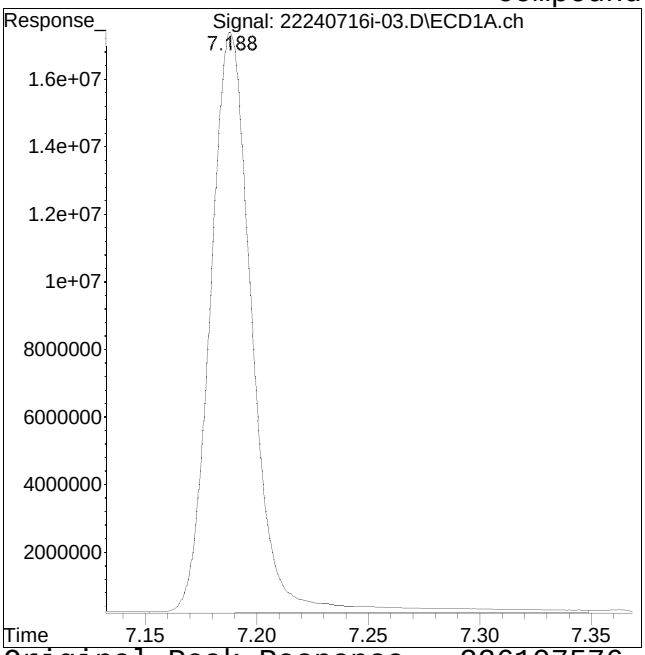
Manual Peak Response = 78124435 M4

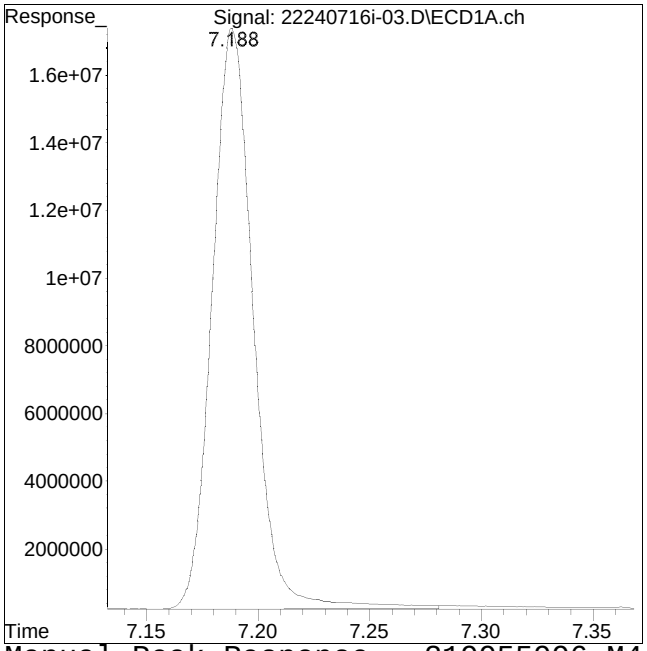
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #4: Dicamba



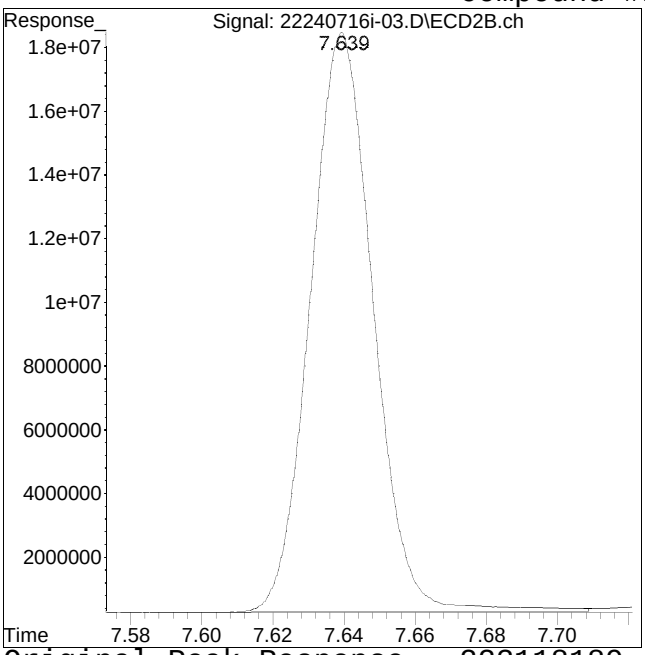


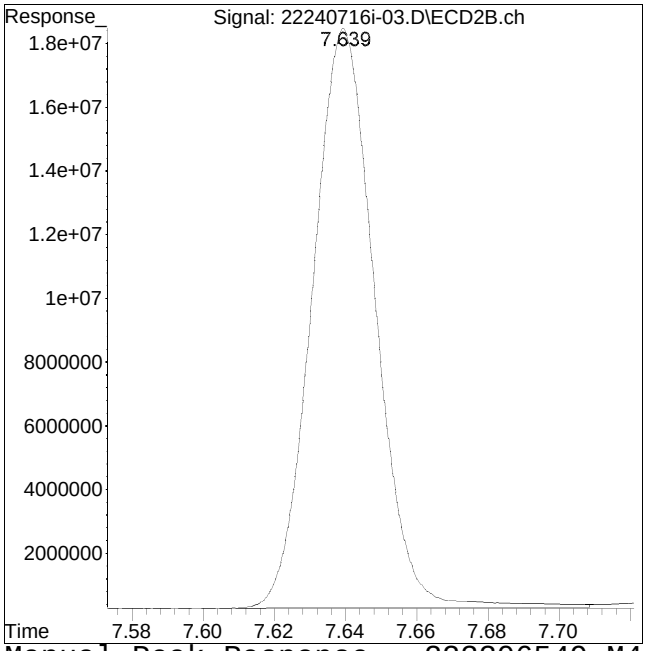
Original Peak Response = 226107576 Manual Peak Response = 219955996 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #17: Dicamba #2





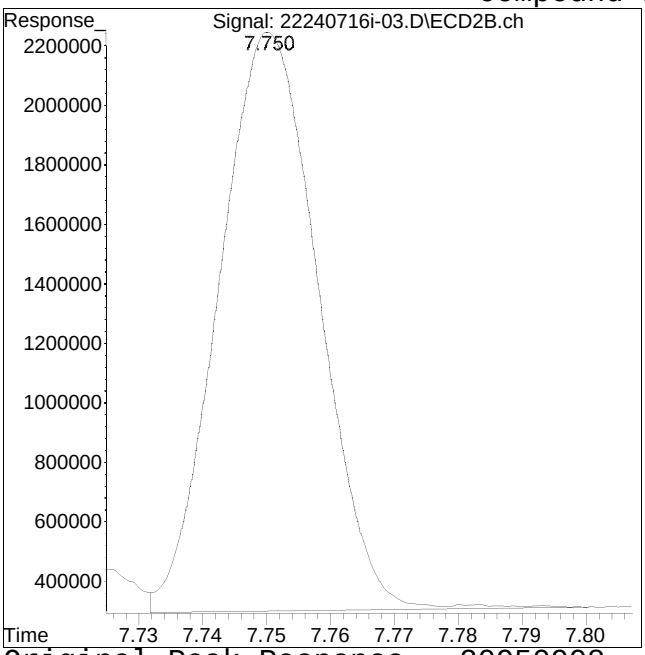
Original Peak Response = 223118189 Manual Peak Response = 223306549 M4
M4 = Poor automated baseline construction.

Manual Integration Report

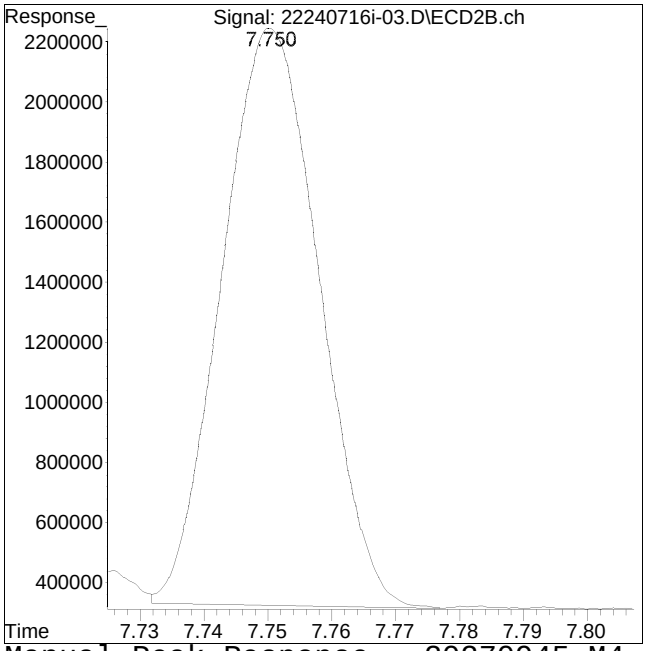
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #18: MCPP #2



Original Peak Response = 20950998



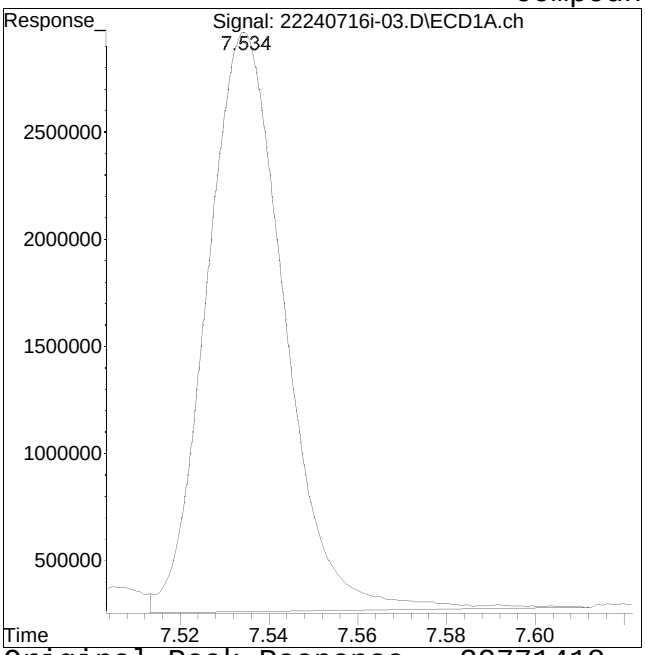
Manual Peak Response = 20270945 M4

M4 = Poor automated baseline construction.

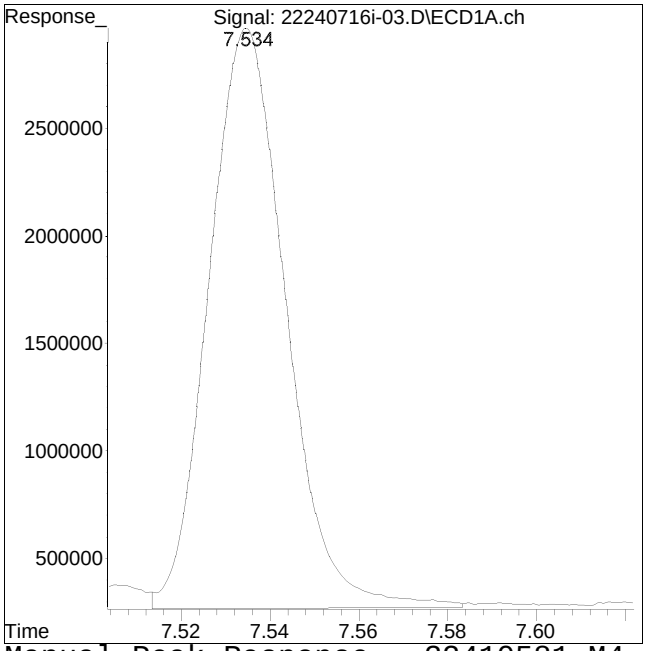
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #6: MCPA



Original Peak Response = 32771418



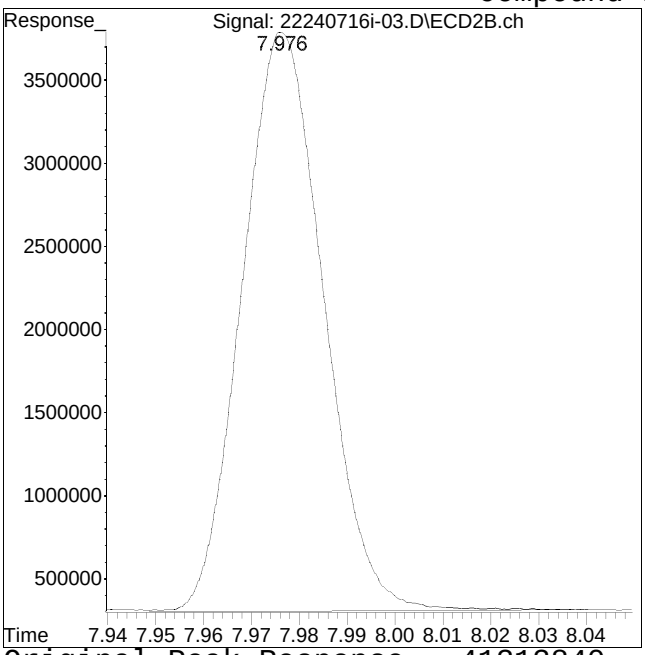
Manual Peak Response = 32410581 M4

M4 = Poor automated baseline construction.

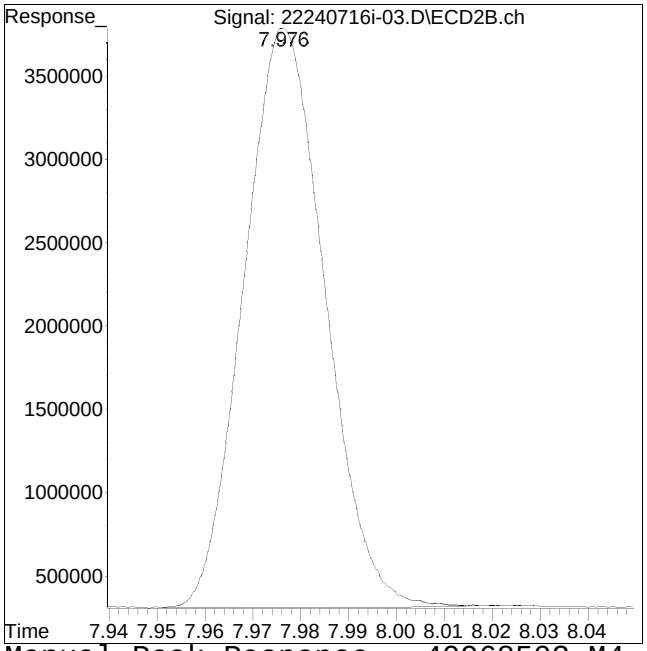
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #19: MCPA #2



Original Peak Response = 41313840



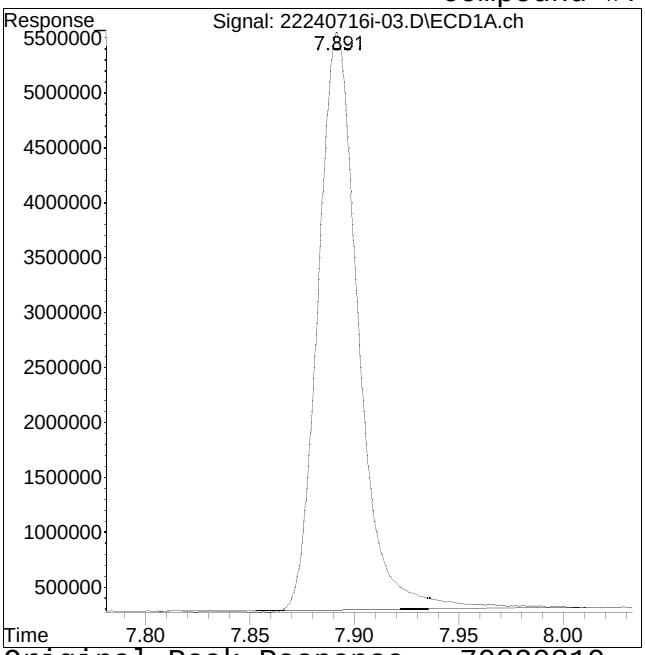
Manual Peak Response = 40968503 M4

M4 = Poor automated baseline construction.

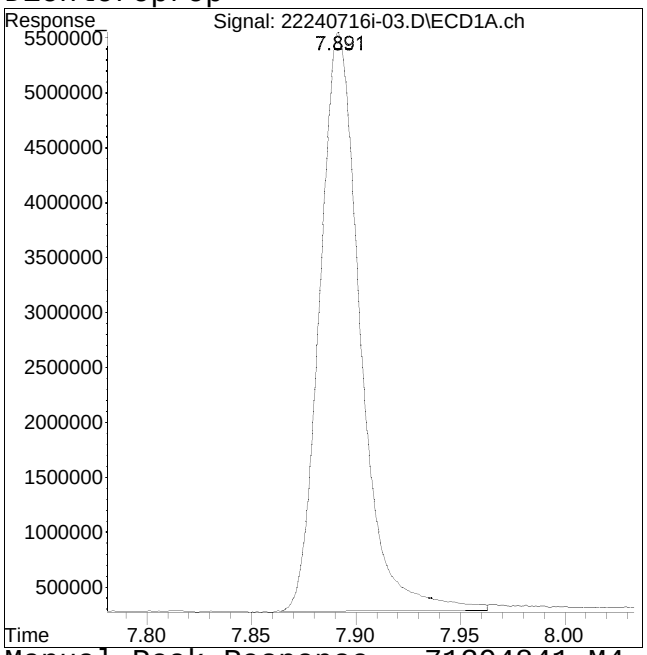
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #7: Dichloroprop



Original Peak Response = 70320310



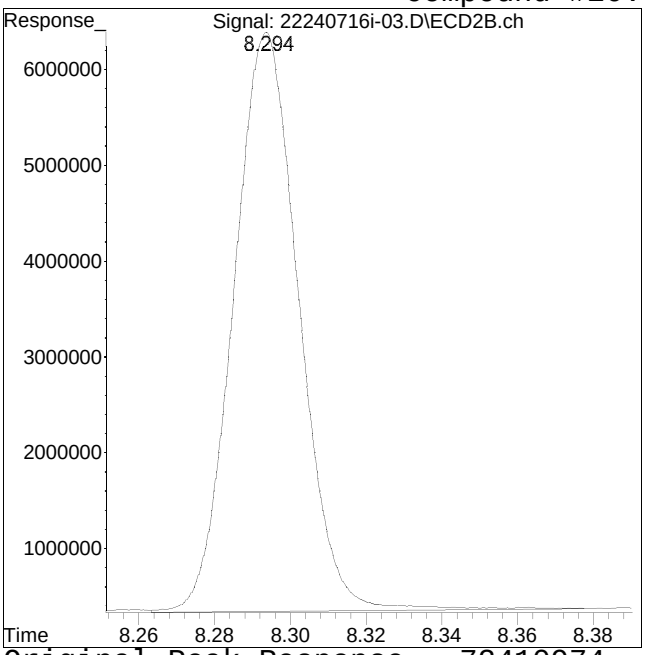
Manual Peak Response = 71294841 M4

M4 = Poor automated baseline construction.

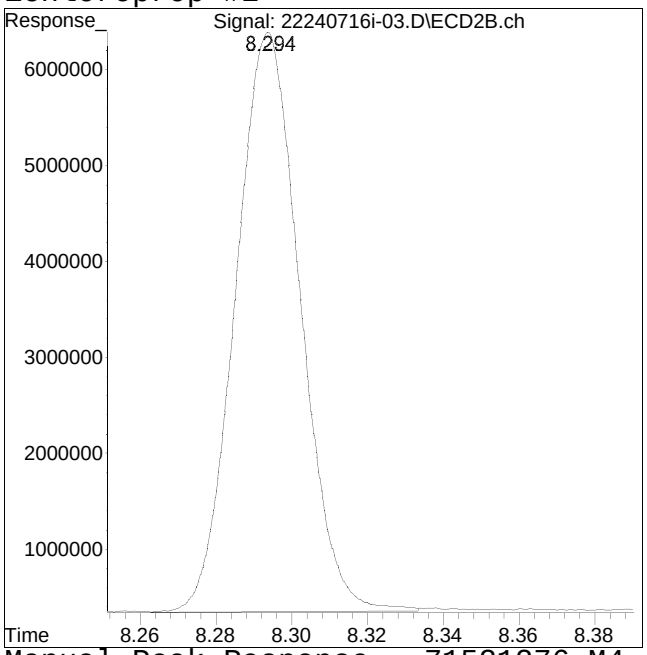
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #20: Dichloroprop #2



Original Peak Response = 72410974



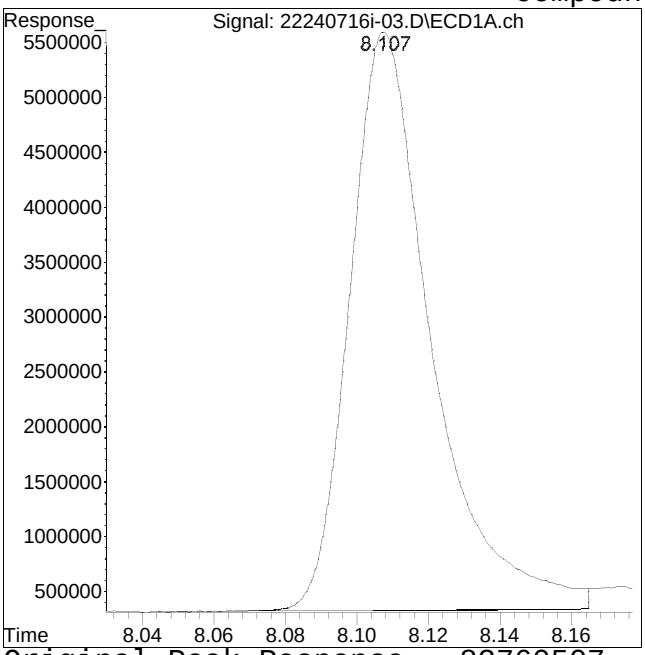
Manual Peak Response = 71521276 M4

M4 = Poor automated baseline construction.

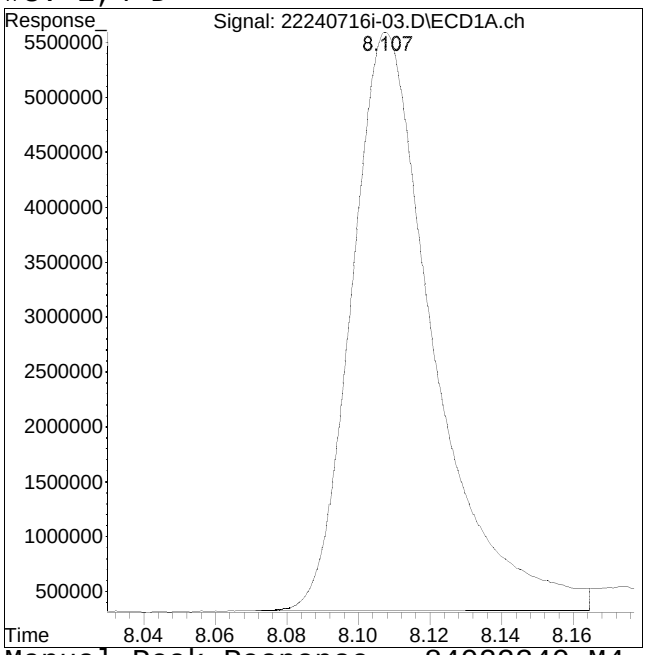
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #8: 2,4-D



Original Peak Response = 83760507



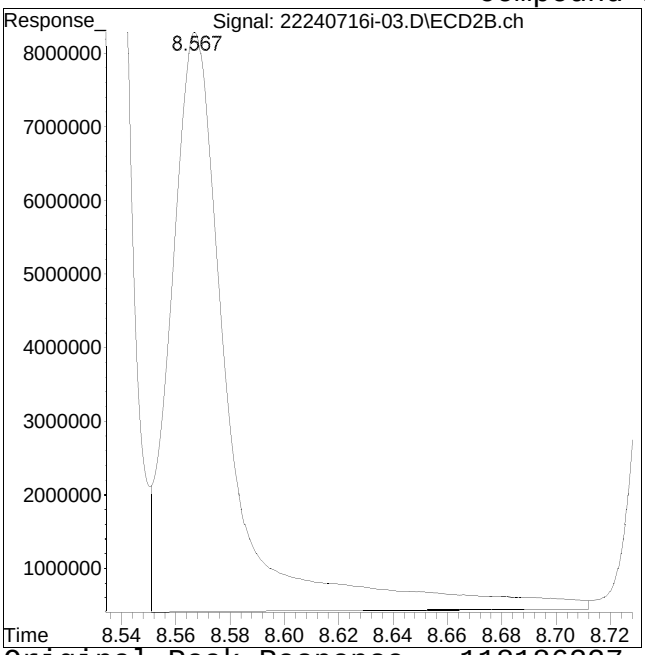
Manual Peak Response = 84022340 M4

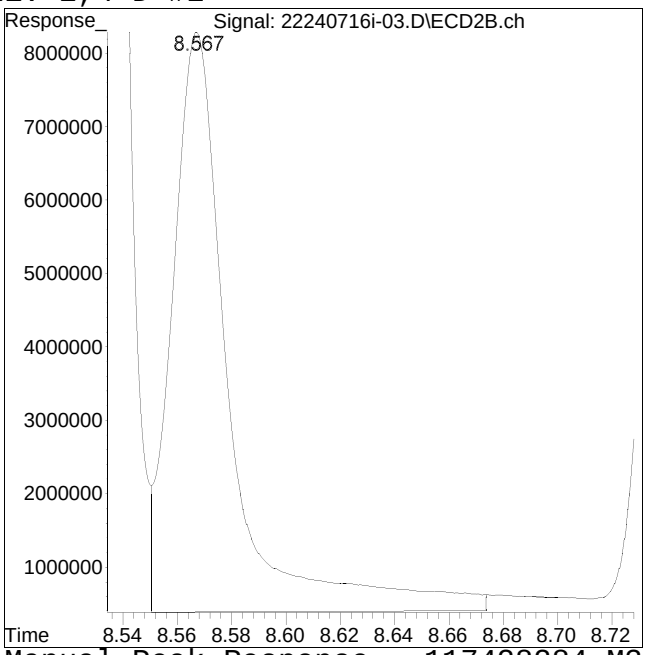
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #21: 2,4-D #2



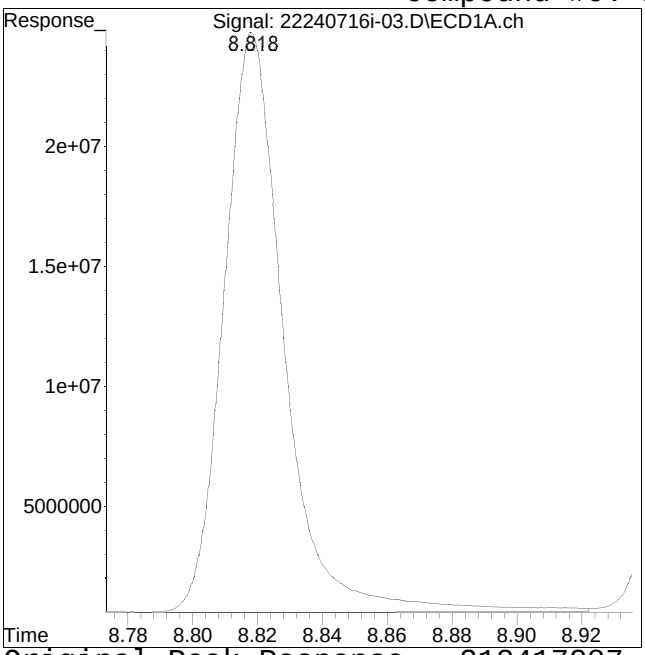


Original Peak Response = 118186327 Manual Peak Response = 117428284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

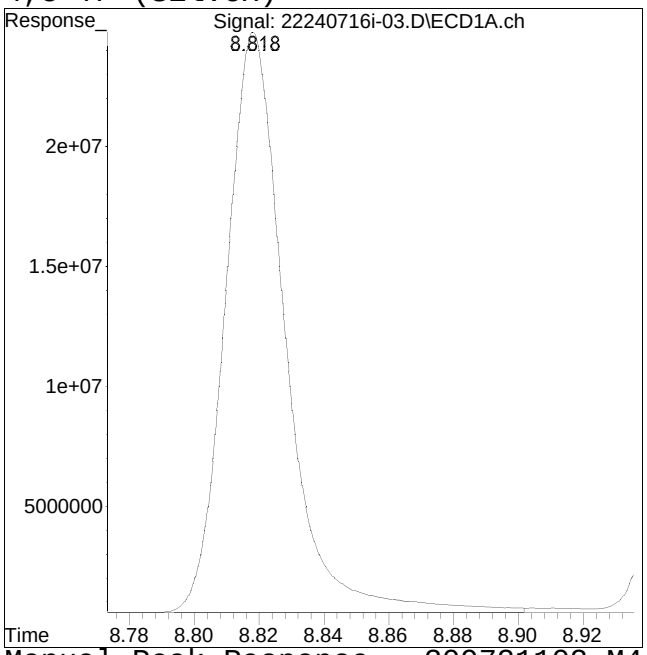
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 312417287



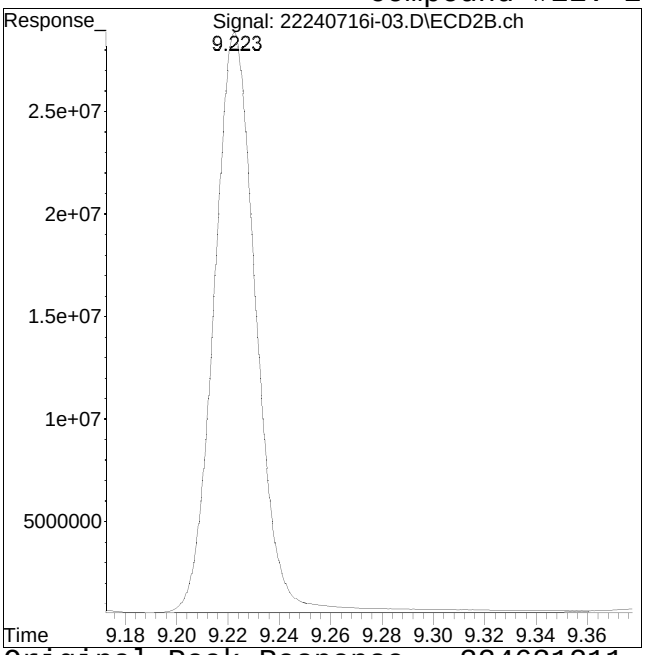
Manual Peak Response = 309721102 M4

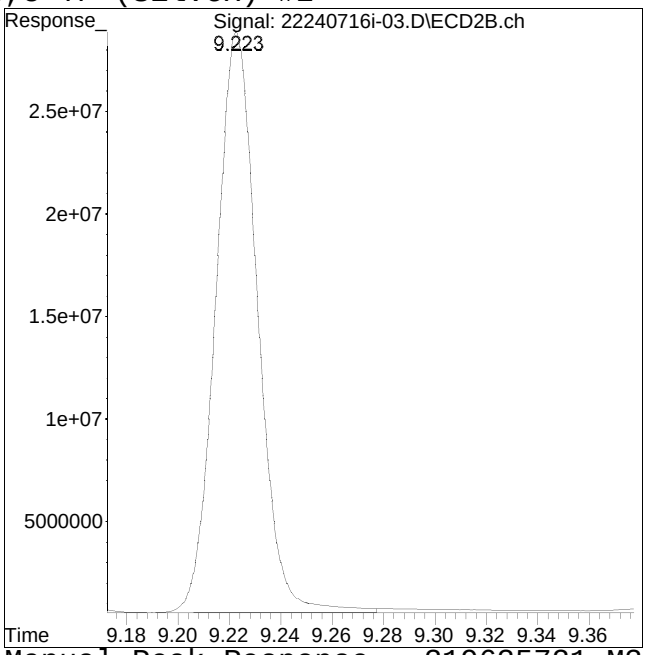
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #22: 2,4,5-TP (Silvex) #2



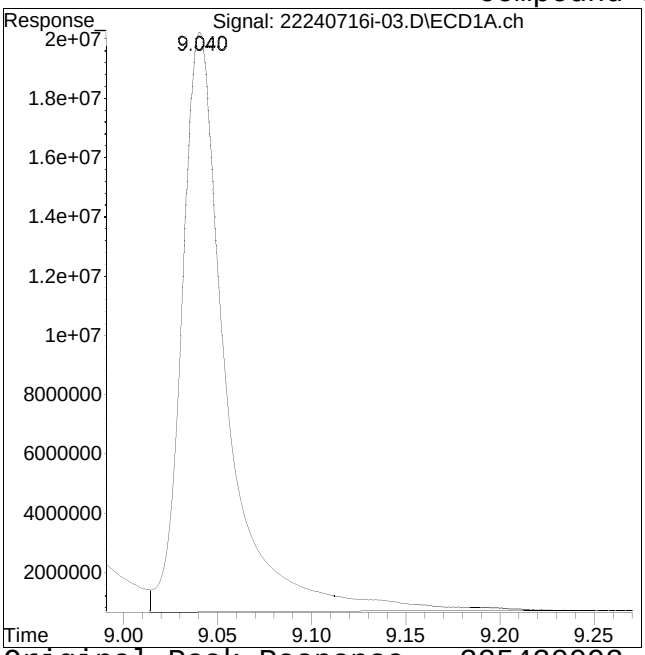


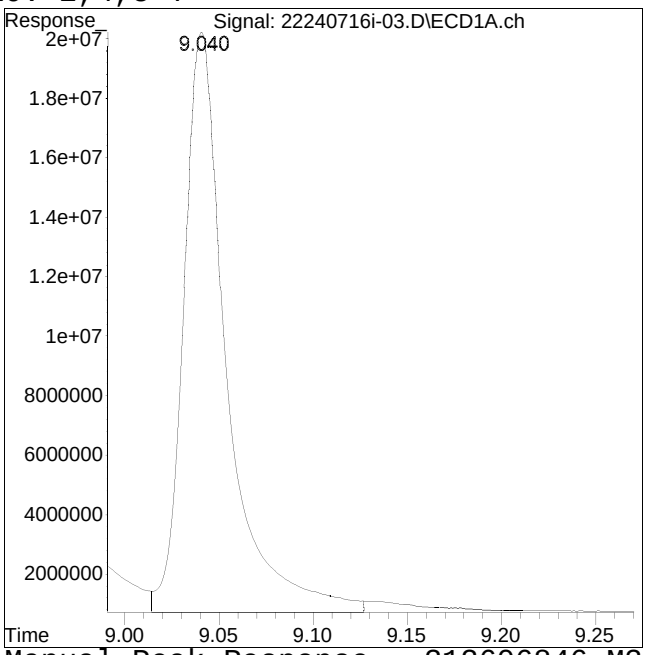
Original Peak Response = 324631211 Manual Peak Response = 319635721 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #10: 2,4,5-T



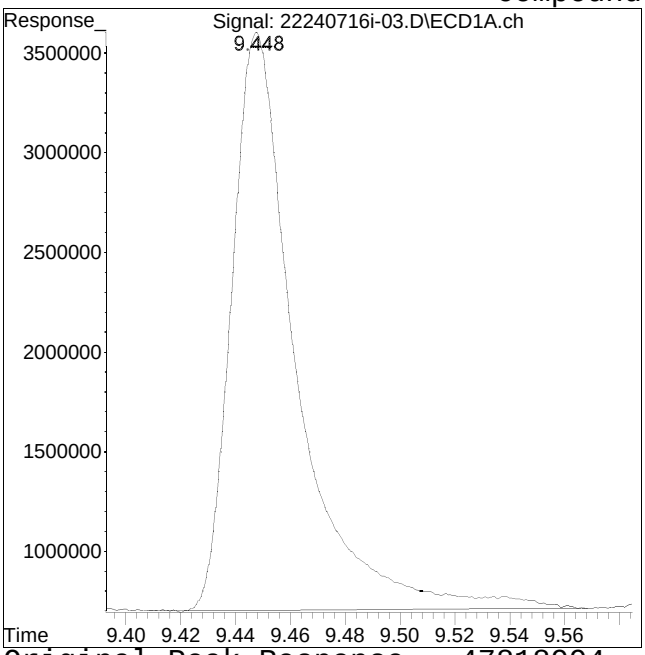


Original Peak Response = 325430993 Manual Peak Response = 312606846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

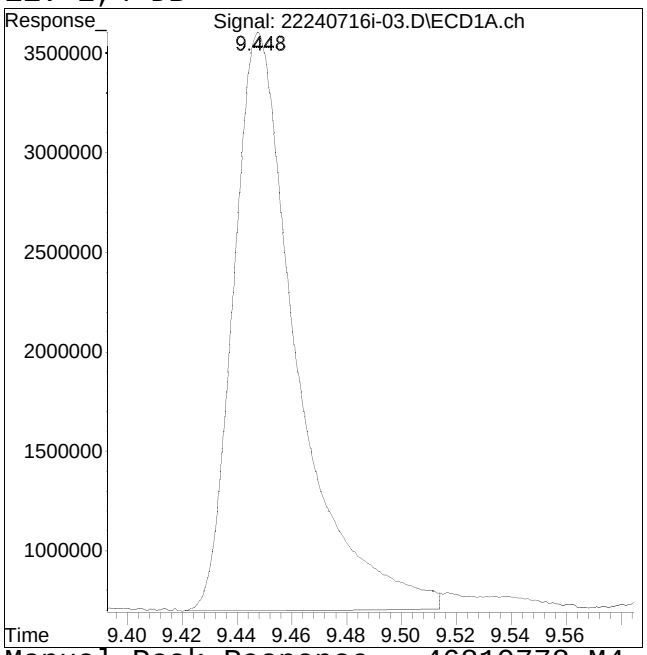
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #11: 2,4-DB



Original Peak Response = 47818994



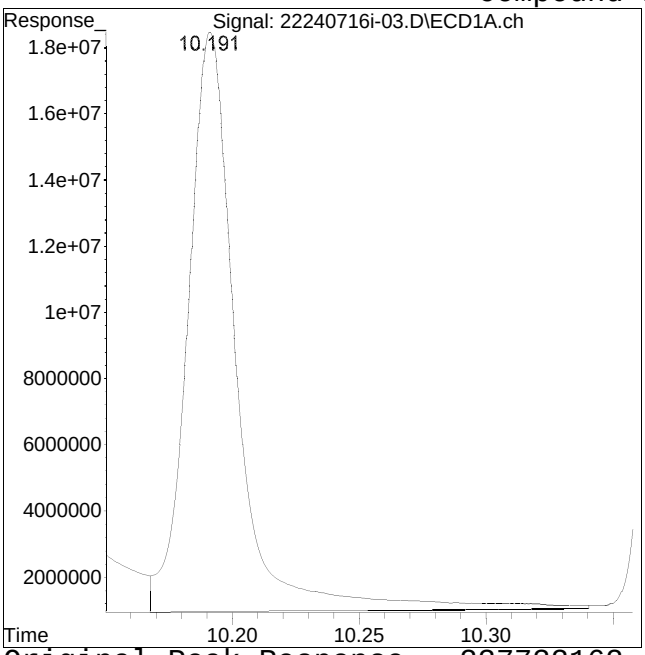
Manual Peak Response = 46810778 M4

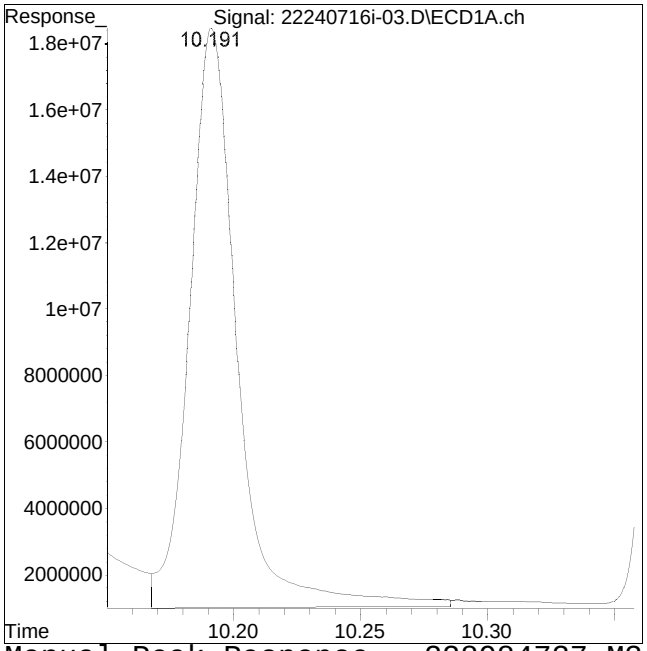
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #12: Dinoseb



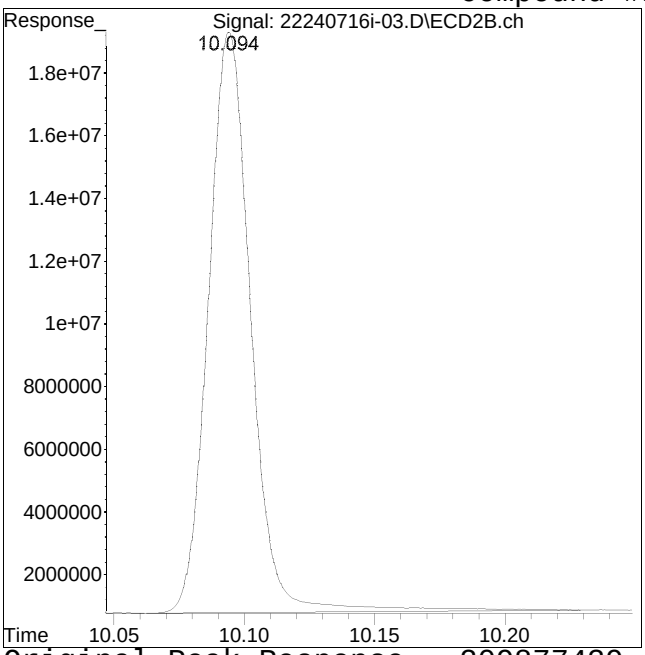


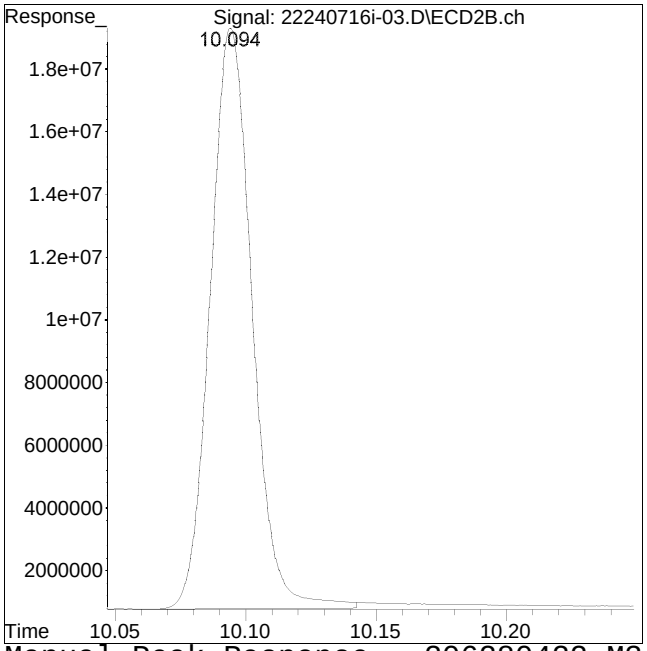
Original Peak Response = 237732162 Manual Peak Response = 228984737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #25: Dinoseb #2





Original Peak Response = 209877439 Manual Peak Response = 206280422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	950.2E6	964.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.006	7.458	148.3E6	148.6E6	NoCal	NoCal M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	0.00%#	0.00%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	173.9E6	161.0E6	NoCal M4	NoCal M3
4)	t	Dicamba	7.187	7.639	425.9E6	434.9E6	NoCal M3	NoCal M4
5)	t	MCPP	7.387	7.750	32672630	43905059	NoCal M4	NoCal M4
6)	t	MCPA	7.534	7.976	63845570	78249368	NoCal	NoCal
7)	t	Dichloroprop	7.890	8.293	135.5E6	137.5E6	NoCal M4	NoCal M3
8)	t	2,4-D	8.104	8.566	163.1E6	188.2E6	NoCal M4	NoCal M3
9)	t	2,4,5-TP (Si	8.817	9.223	612.7E6	623.0E6	NoCal M4	NoCal M3
10)	t	2,4,5-T	9.038	9.511	612.7E6	586.0E6	NoCal M4	NoCal
11)	t	2,4-DB	9.444	9.871	91548913	99152864	NoCal M4	NoCal
12)	t	Dinoseb	10.190	10.094	438.9E6	403.5E6	NoCal M3	NoCal M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

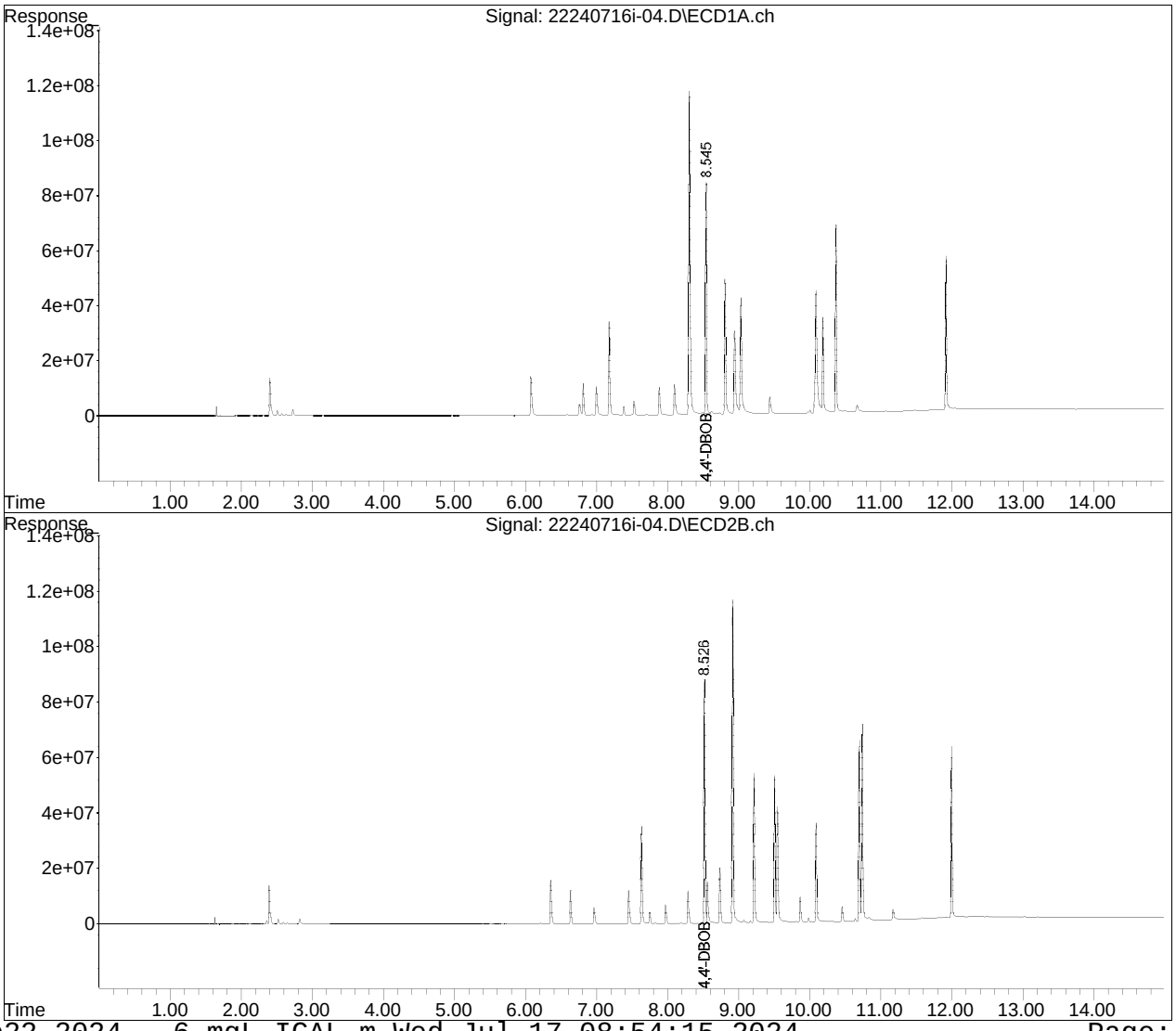
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

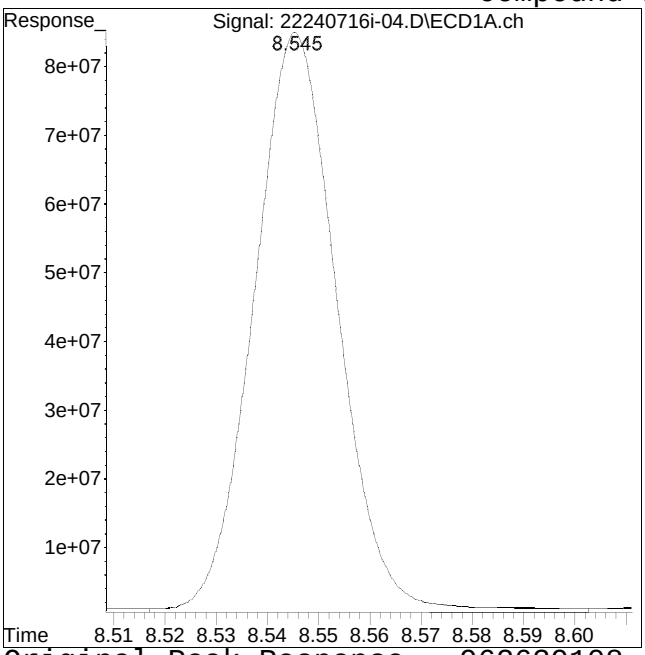
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

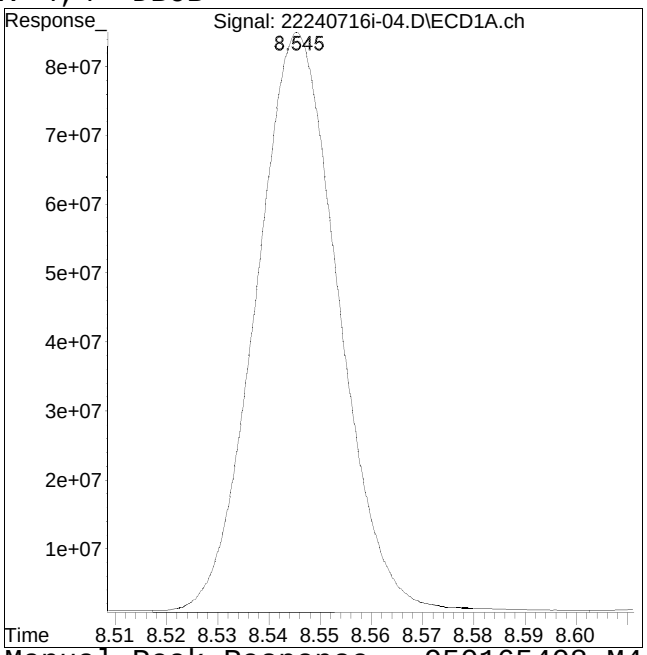


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #1: 4,4'-DBOB



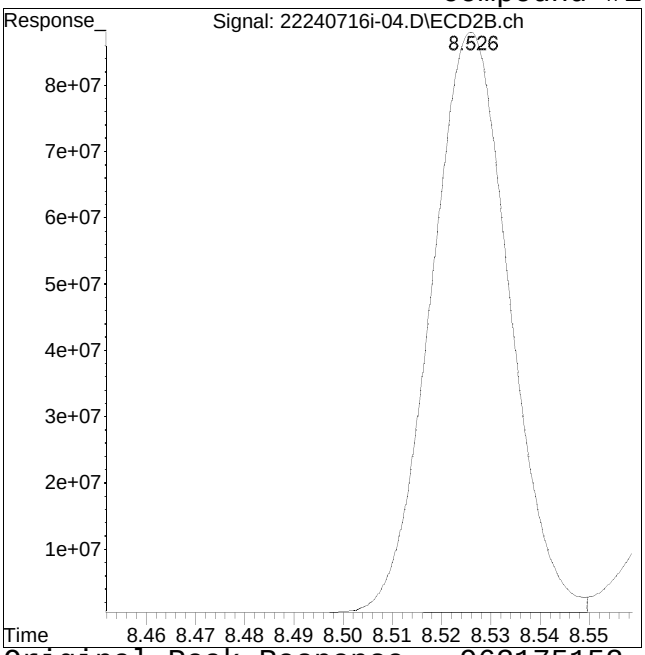


Original Peak Response = 962639108 Manual Peak Response = 950165408 M4
M4 = Poor automated baseline construction.

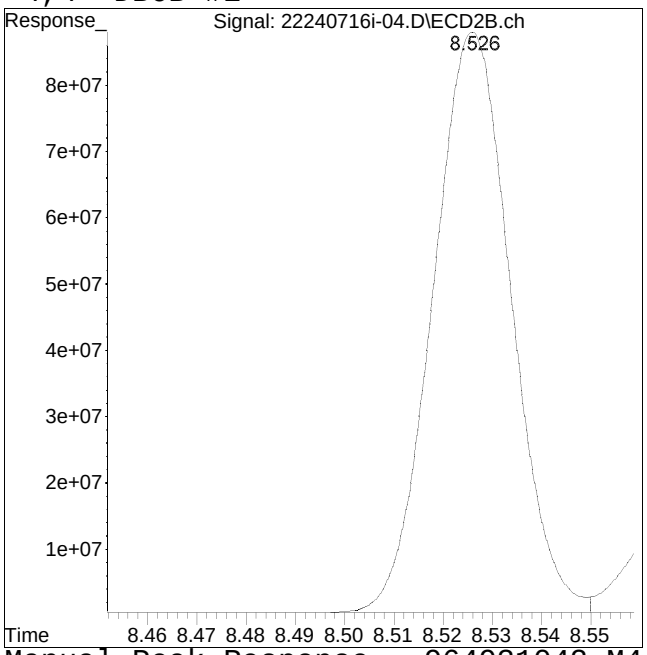
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 963175152



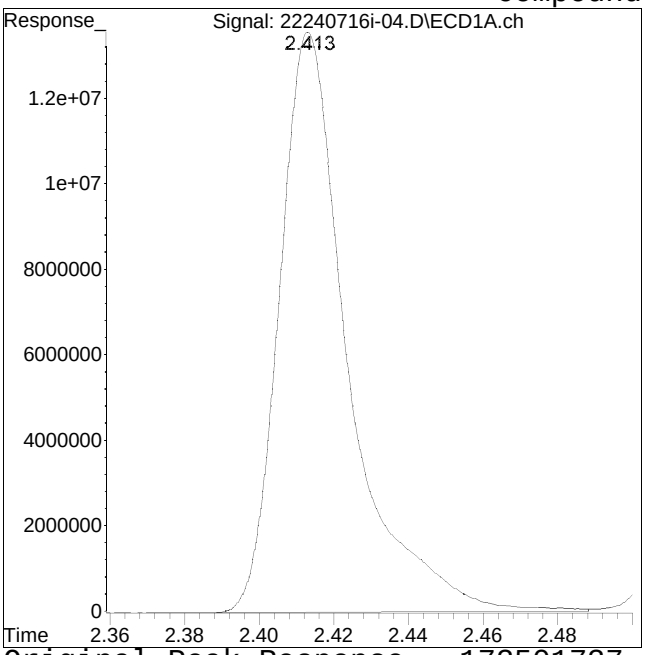
Manual Peak Response = 964931042 M4

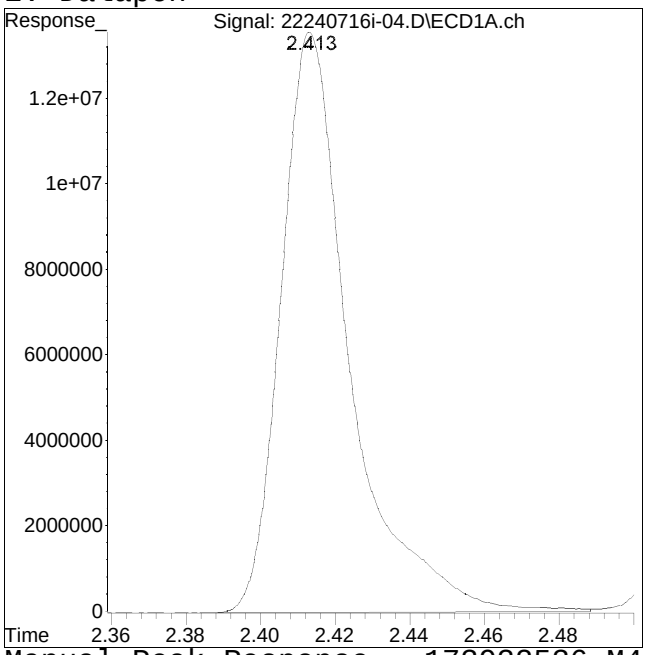
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #2: Dalapon



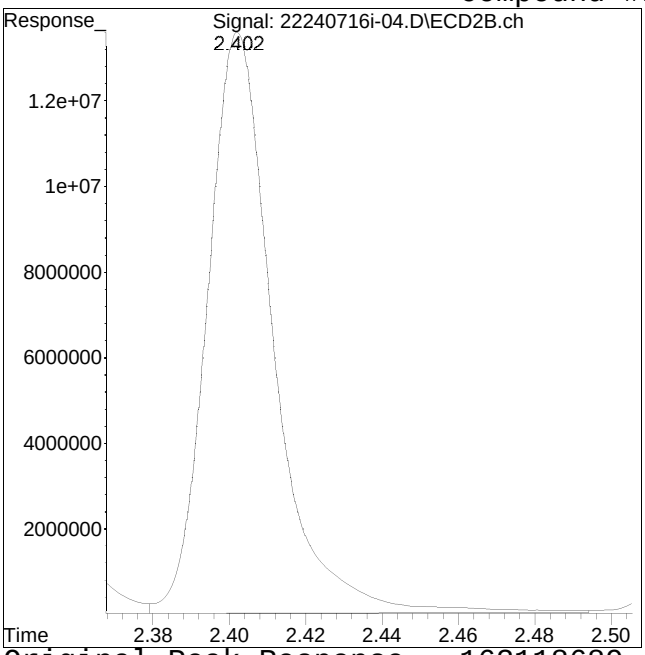


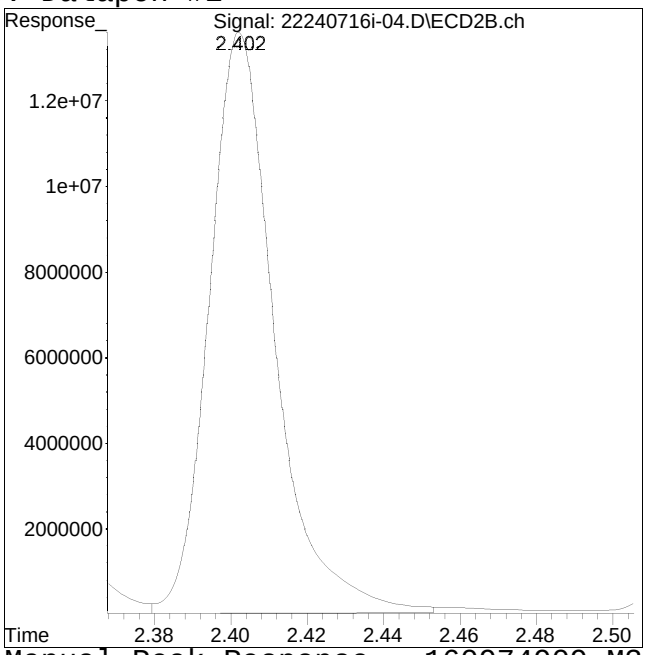
Original Peak Response = 173501737 Manual Peak Response = 173932536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #15: Dalapon #2



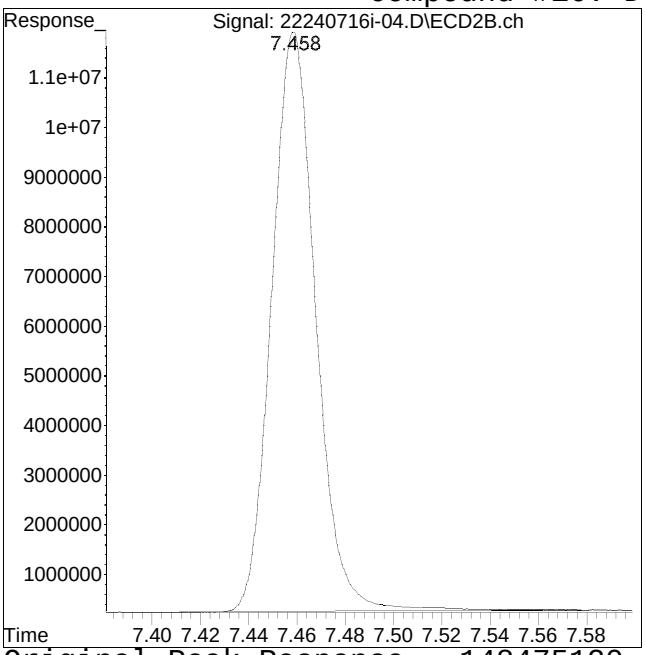


Original Peak Response = 163118689 Manual Peak Response = 160974909 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

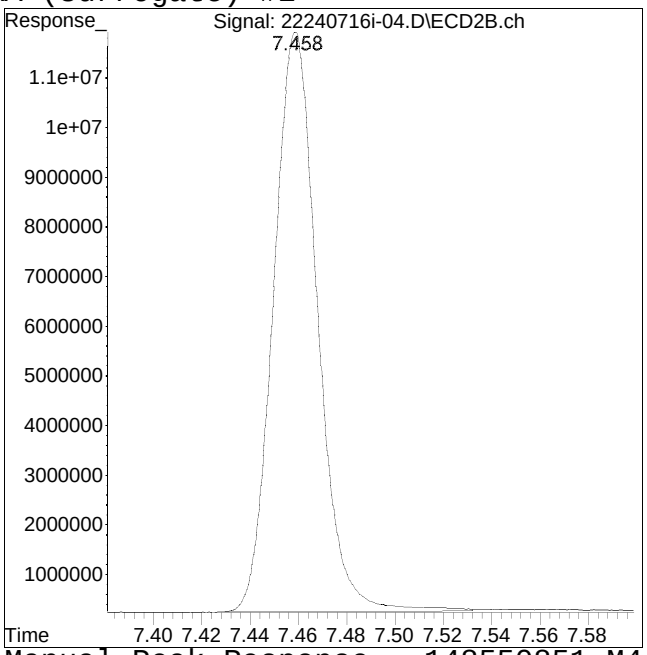
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 148475120



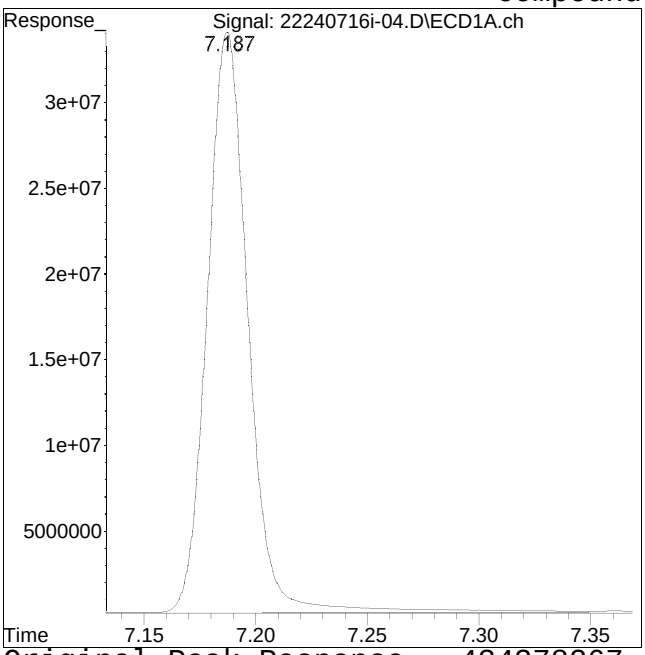
Manual Peak Response = 148550851 M4

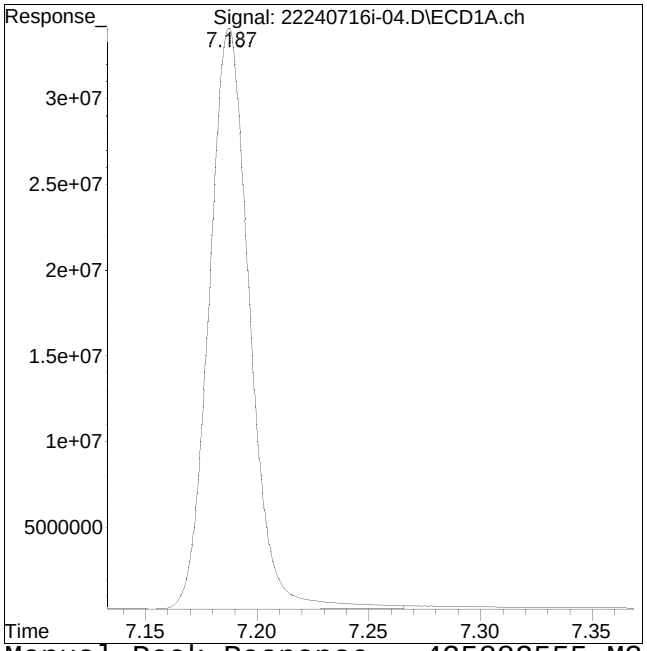
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #4: Dicamba



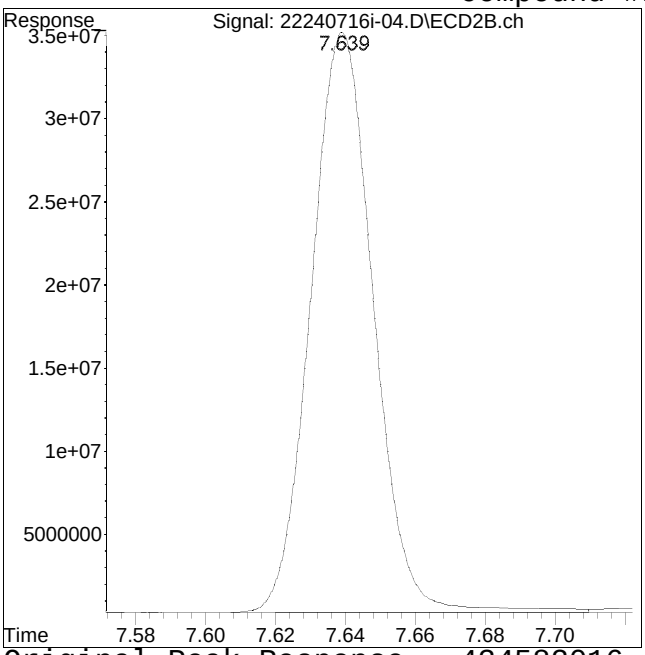


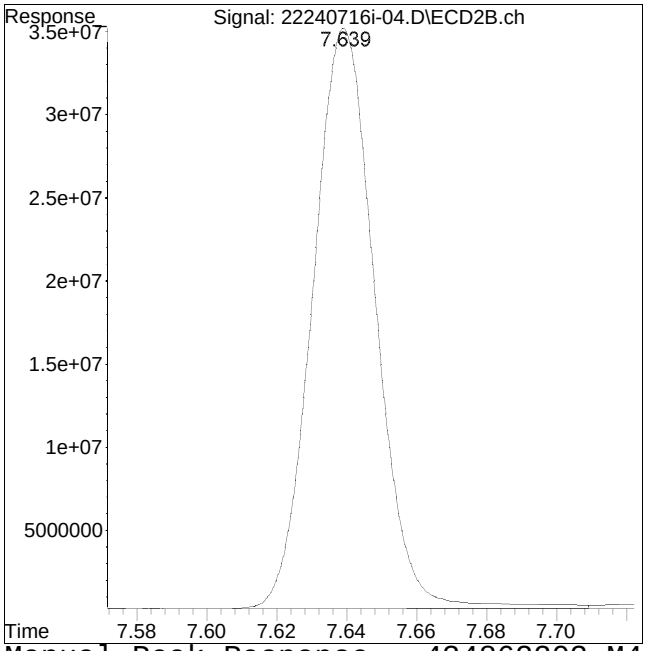
Original Peak Response = 434378267 Manual Peak Response = 425882555 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #17: Dicamba #2



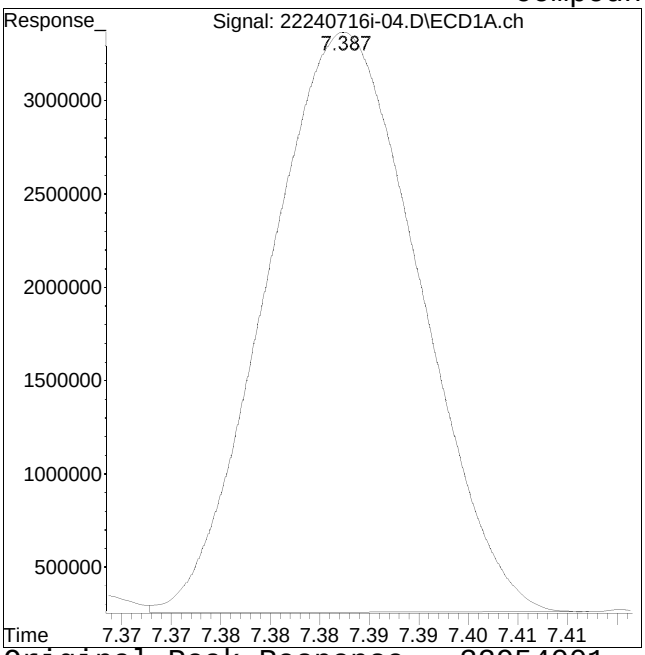


Original Peak Response = 434582016 Manual Peak Response = 434862203 M4
M4 = Poor automated baseline construction.

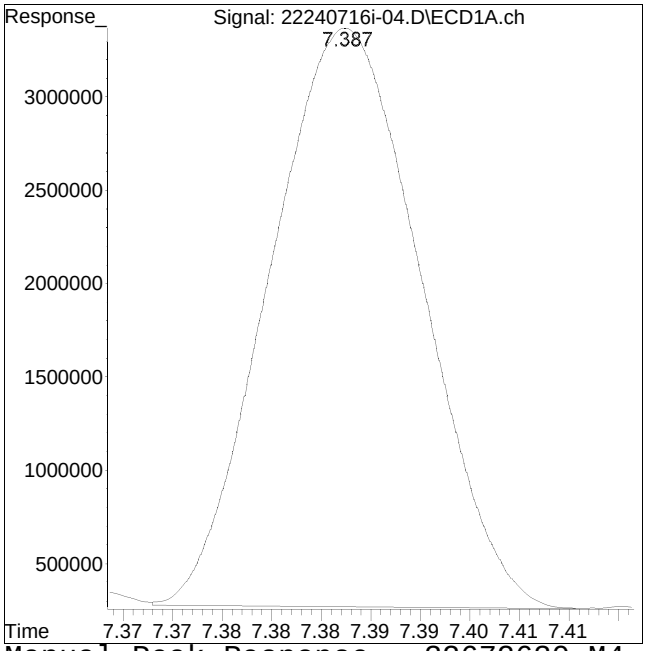
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #5: MCPP



Original Peak Response = 32954001

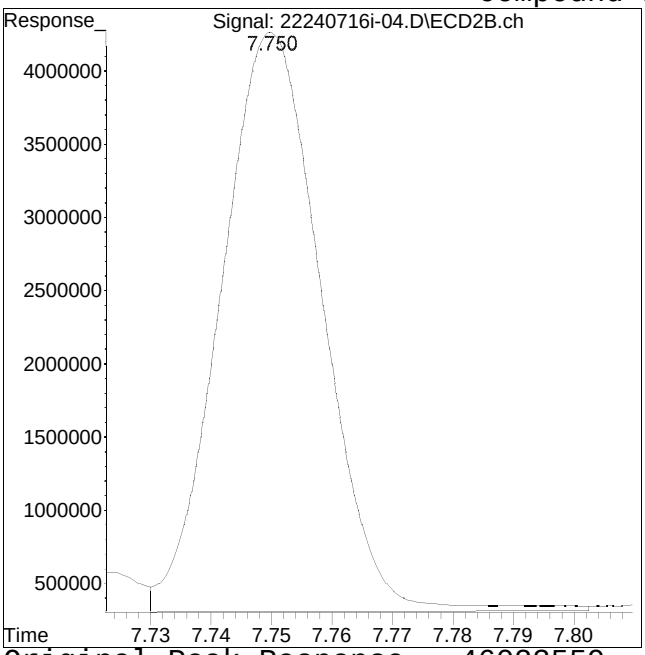


Manual Peak Response = 32672630 M4
M4 = Poor automated baseline construction.

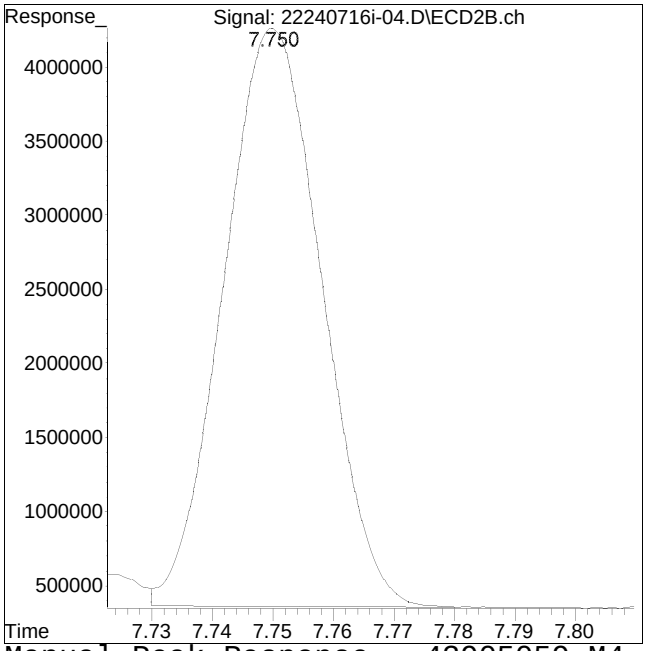
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #18: MCPP #2



Original Peak Response = 46023559



Manual Peak Response = 43905059 M4

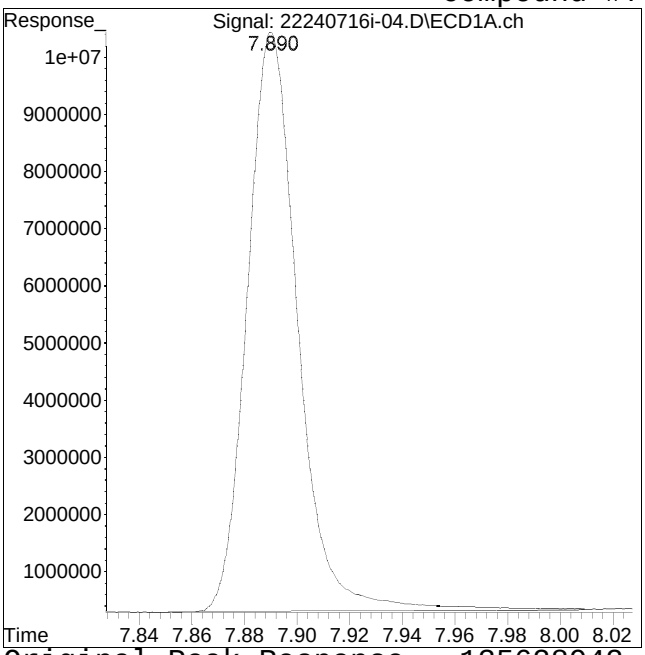
M4 = Poor automated baseline construction.

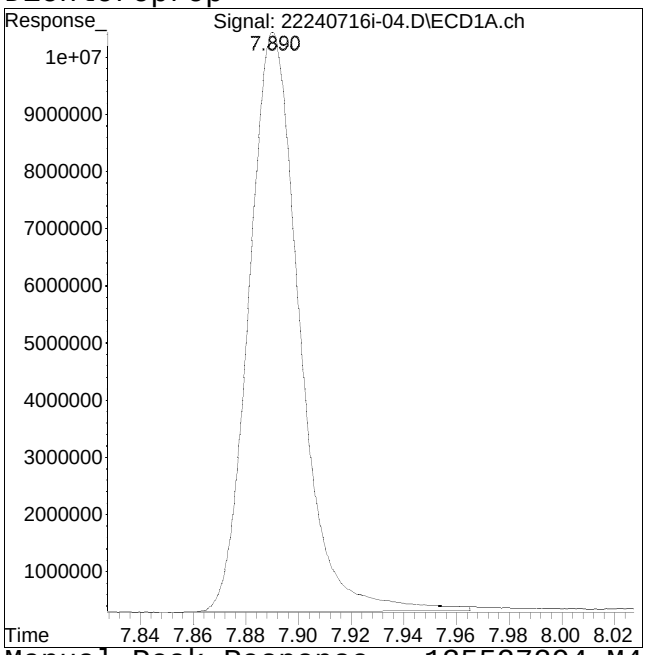
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #7: Dichloroprop



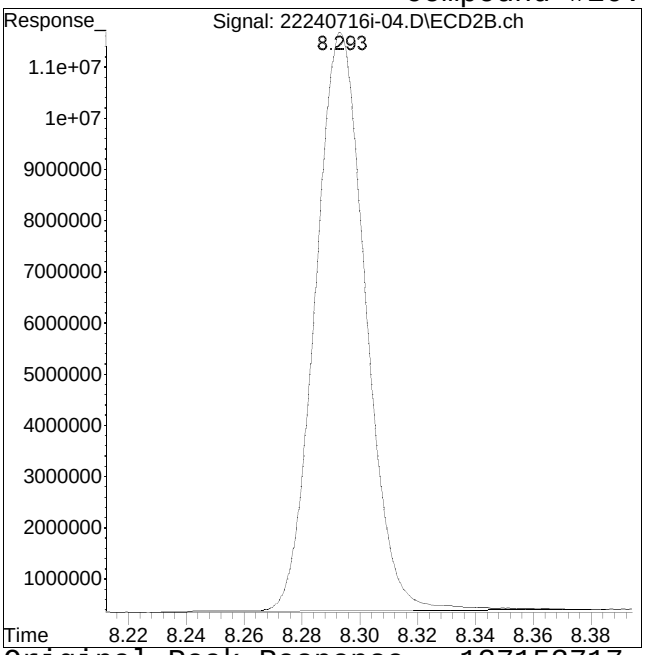


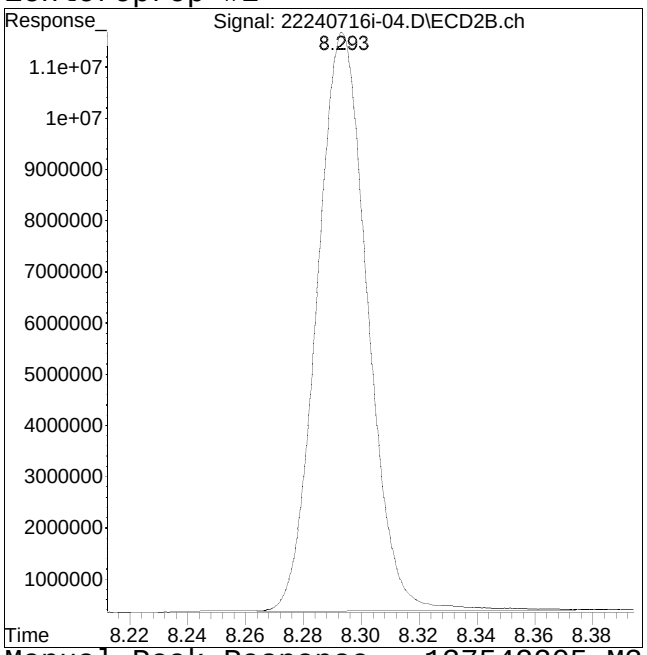
Original Peak Response = 135628942 Manual Peak Response = 135527294 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #20: Dichloroprop #2



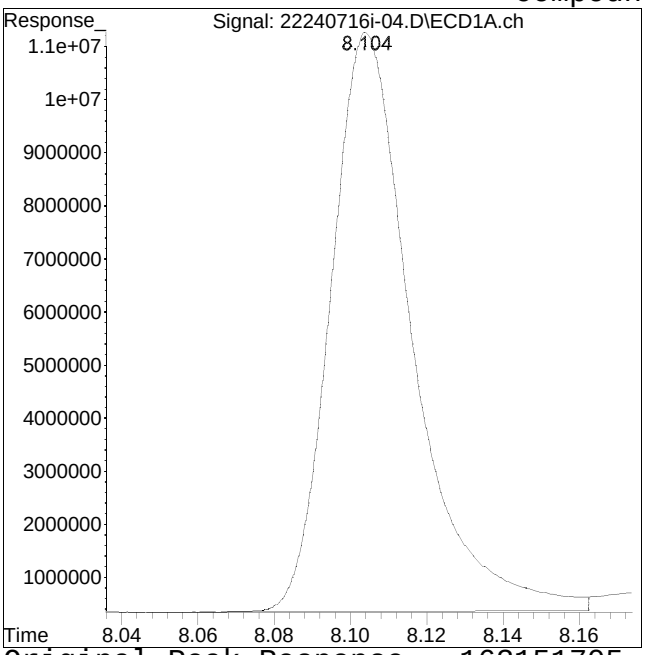


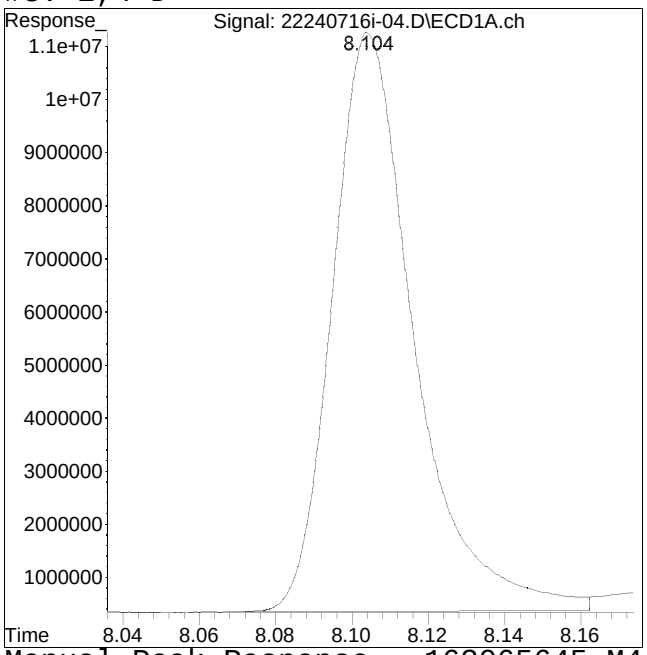
Original Peak Response = 137153717 Manual Peak Response = 137542205 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #8: 2,4-D



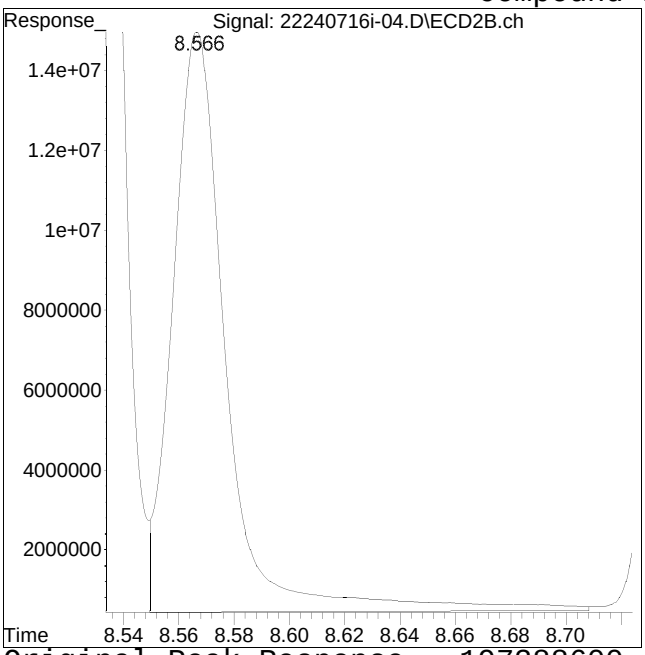


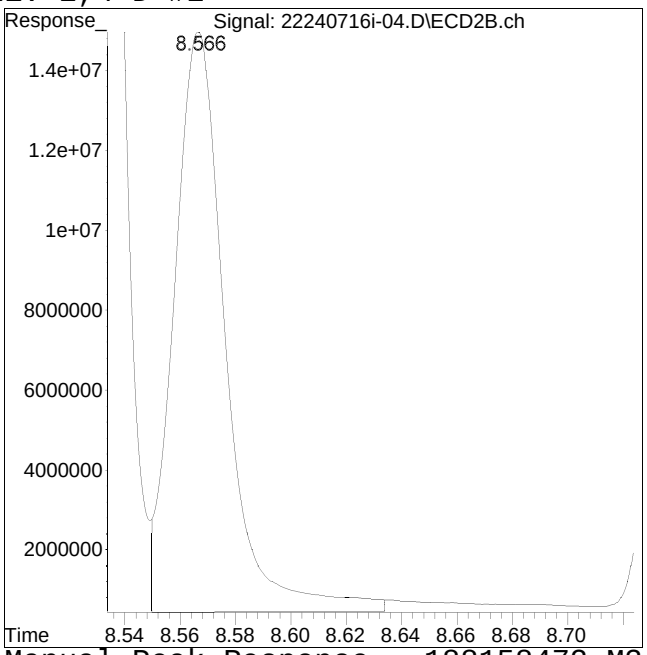
Original Peak Response = 163151705 Manual Peak Response = 163065645 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #21: 2,4-D #2



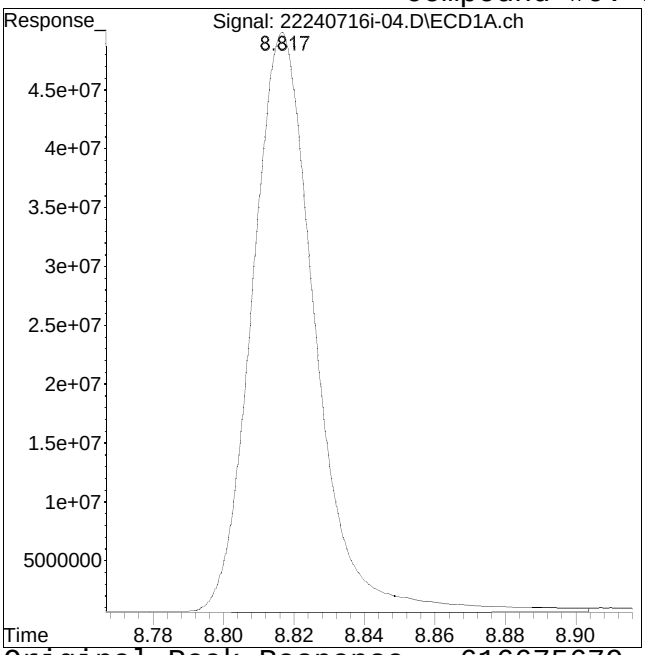


Original Peak Response = 197388600 Manual Peak Response = 188158472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

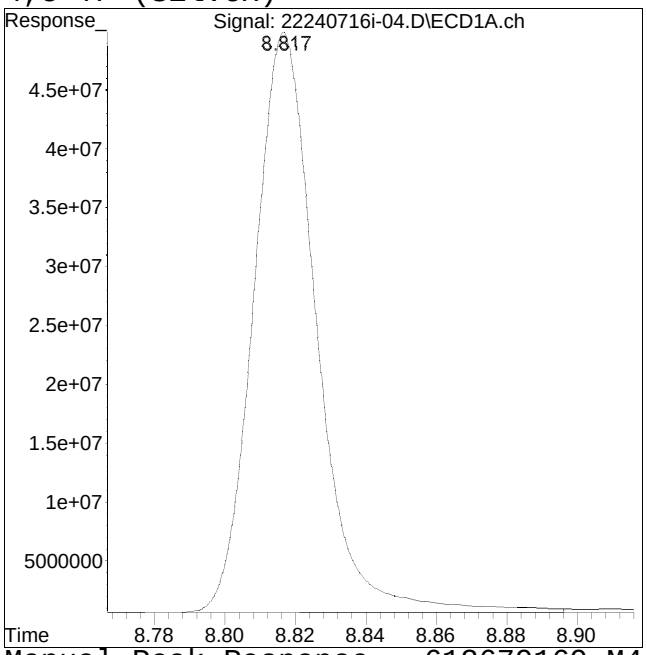
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 616675679

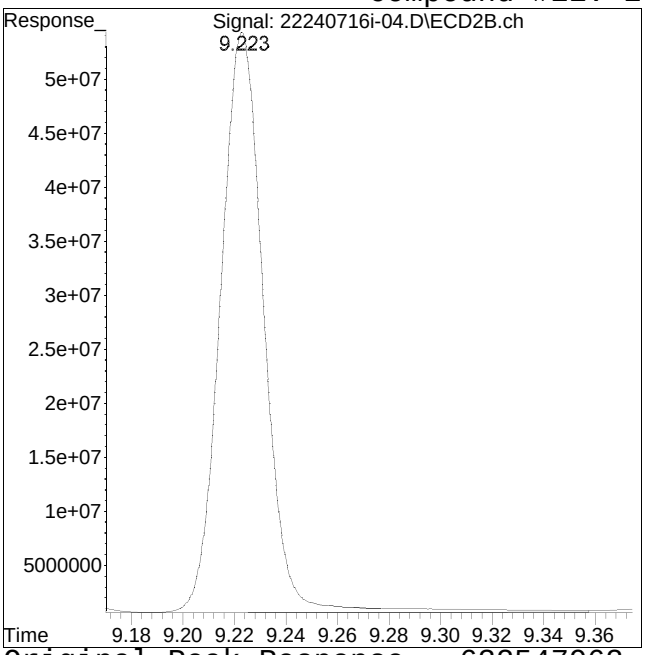


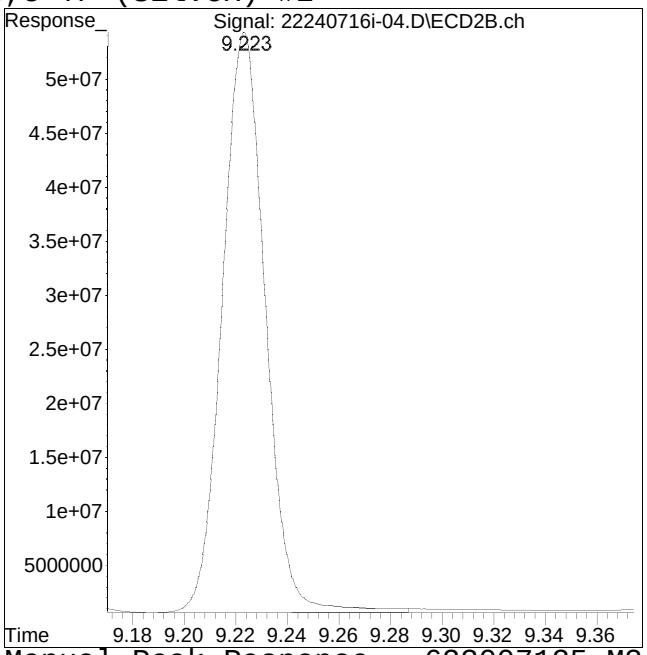
Manual Peak Response = 612679169 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #22: 2,4,5-TP (Silvex) #2



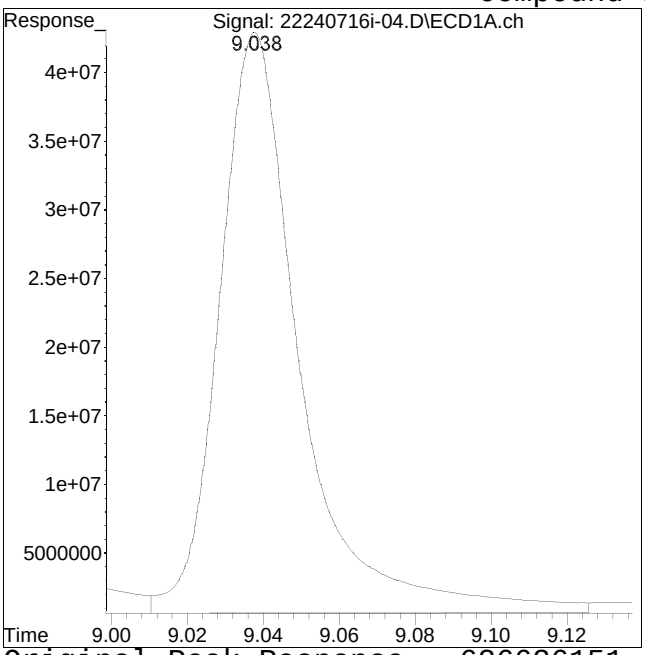


Original Peak Response = 632547962 Manual Peak Response = 623007125 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

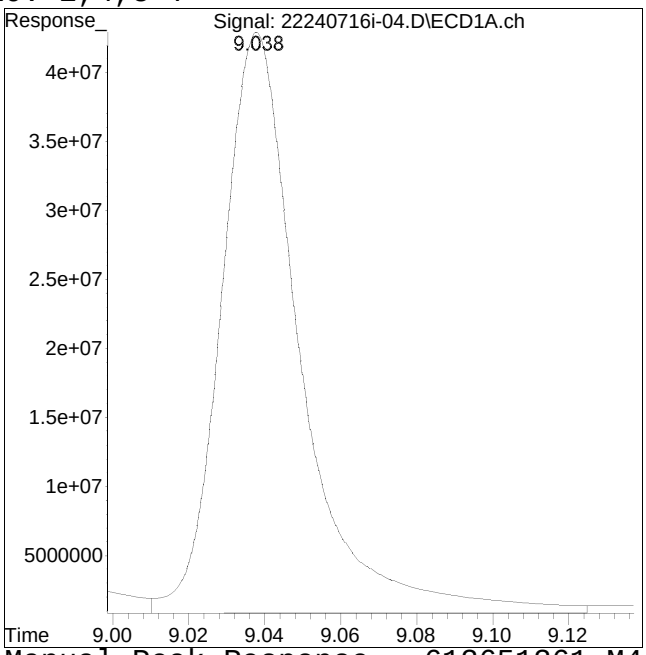
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #10: 2,4,5-T



Original Peak Response = 626626151



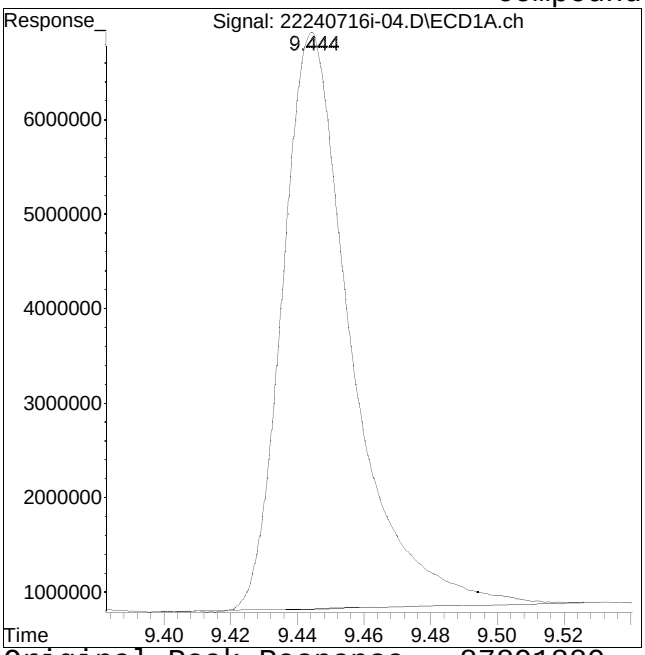
Manual Peak Response = 612651361 M4

M4 = Poor automated baseline construction.

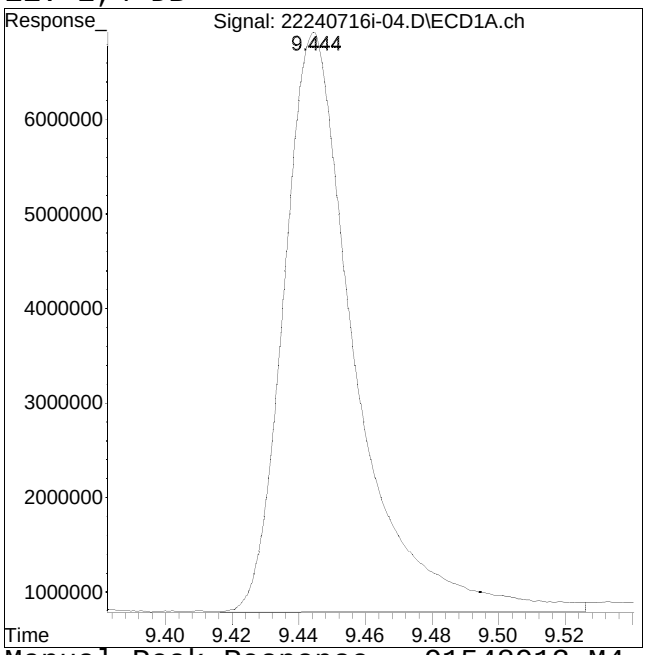
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #11: 2,4-DB



Original Peak Response = 87891880



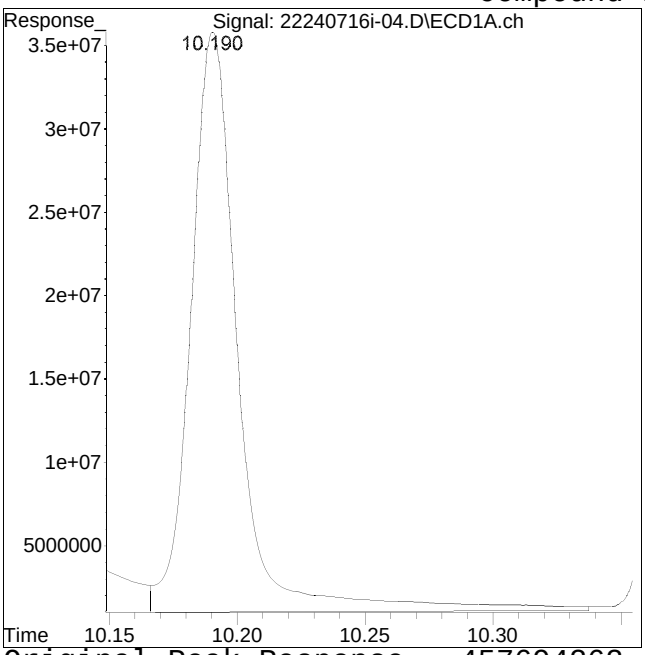
Manual Peak Response = 91548913 M4

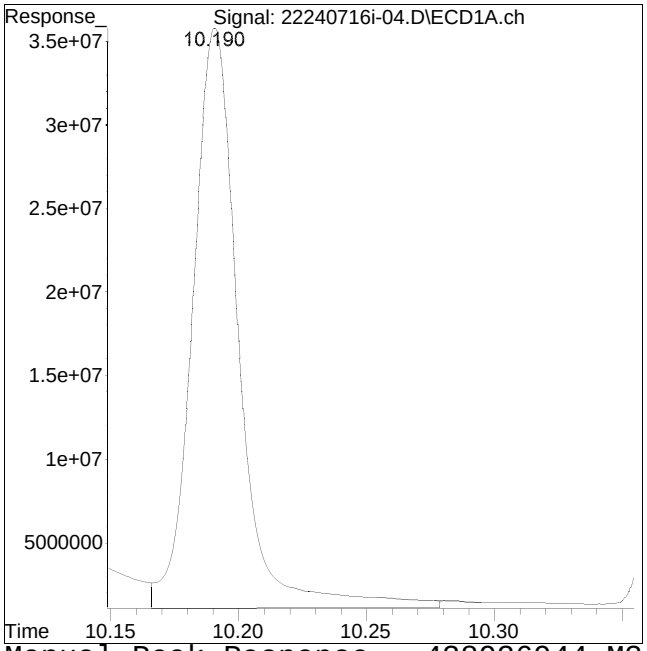
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #12: Dinoseb



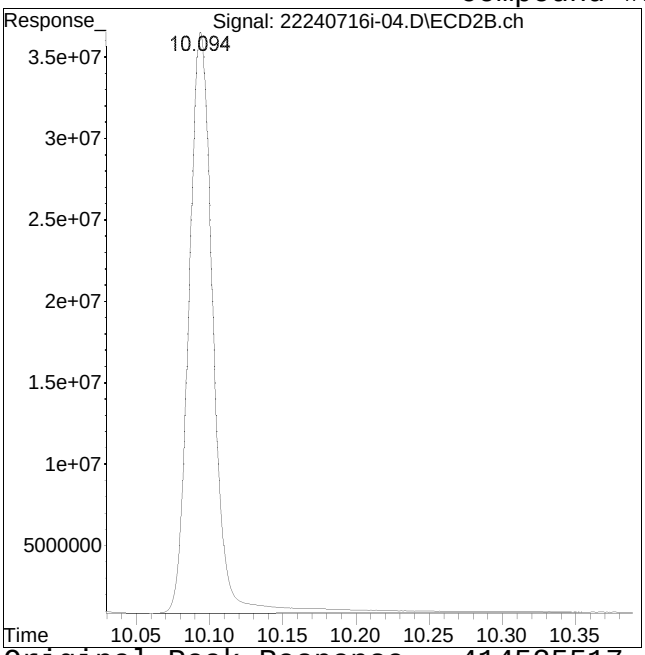


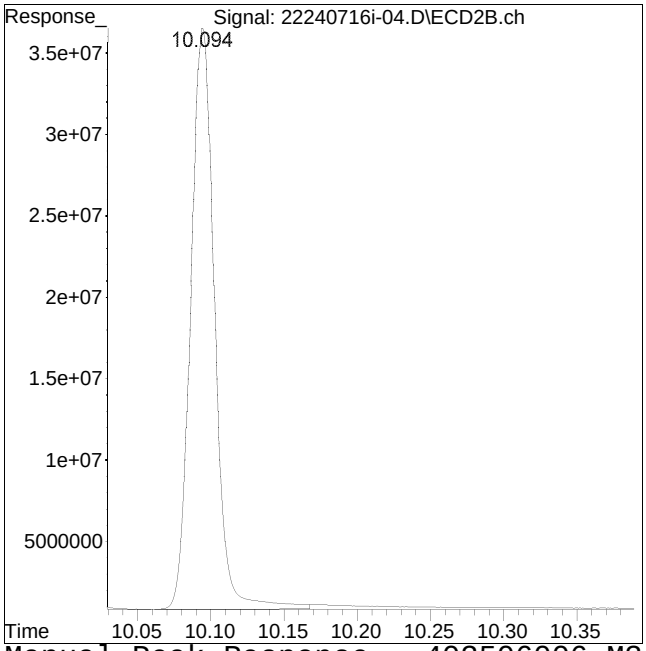
Original Peak Response = 457694262 Manual Peak Response = 438936944 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #25: Dinoseb #2





Original Peak Response = 414525517 Manual Peak Response = 403506006 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	979.7E6	983.1E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.004	7.458	332.3E6	329.3E6	0.408M4	0.409M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	81.60%	81.80%
		Target Compounds						
2)	t	Dalapon	2.414	2.402	381.6E6	353.8E6	0.387	0.393M3
4)	t	Dicamba	7.186	7.639	973.8E6	981.8E6	0.417M4	0.417
5)	t	MCPP	7.387	7.750	87375332	109.8E6	48.762M3	46.129M4
6)	t	MCPA	7.533	7.977	149.8E6	177.5E6	42.329M3	41.402
7)	t	Dichloroprop	7.889	8.293	306.5E6	308.3E6	0.412M4	0.414M4
8)	t	2,4-D	8.101	8.567	376.9E6	406.5E6	0.421M4	0.399
9)	t	2,4,5-TP (Si	8.815	9.223	1440.7E6	1434.9E6	0.433	0.430M3
10)	t	2,4,5-T	9.034	9.510	1440.4E6	1364.3E6	0.433M4	0.434
11)	t	2,4-DB	9.441	9.870	210.4E6	231.0E6	0.428M4	0.439M4
12)	t	Dinoseb	10.190	10.094	1012.2E6	919.6E6	0.425M3	0.425M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

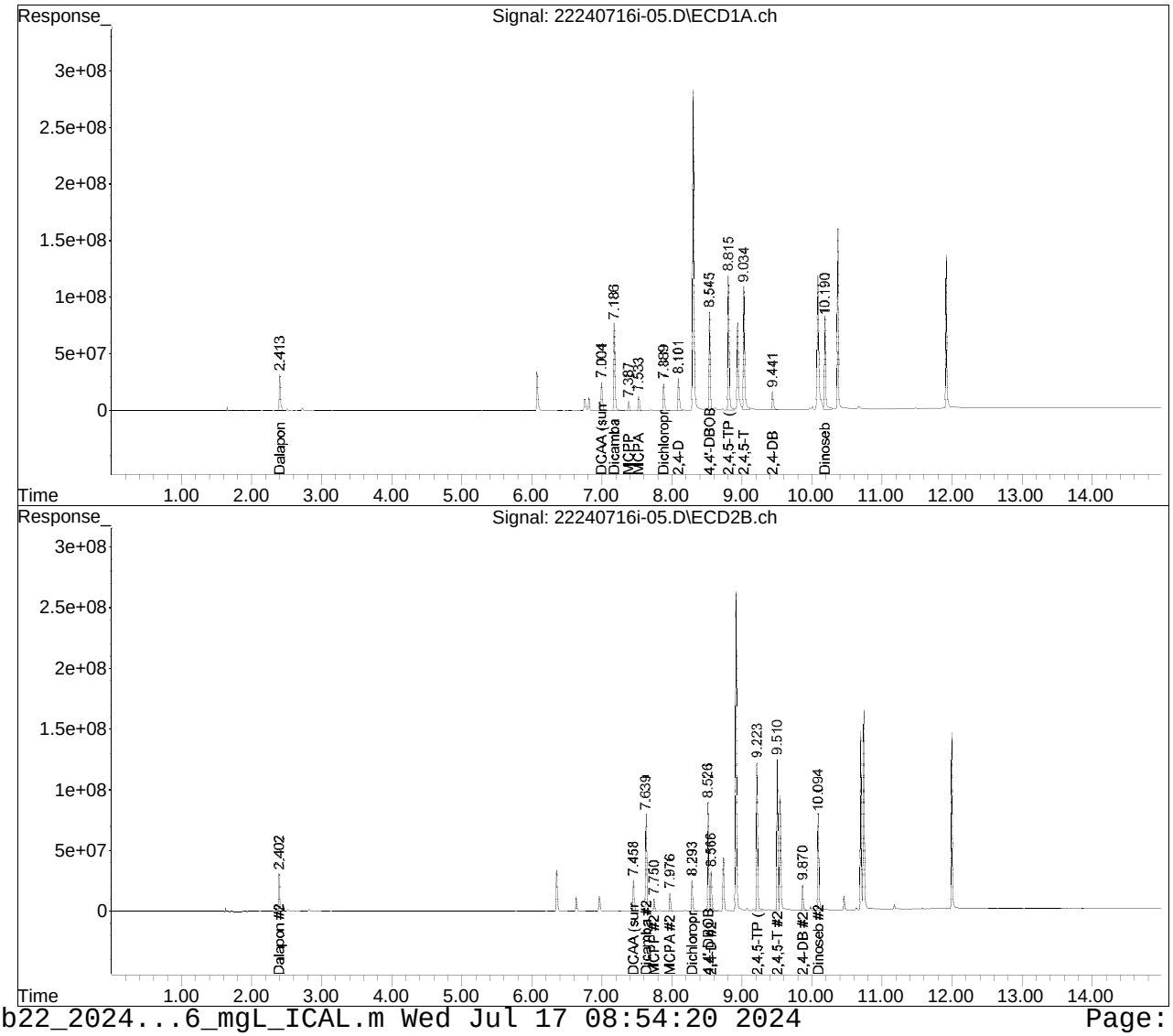
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

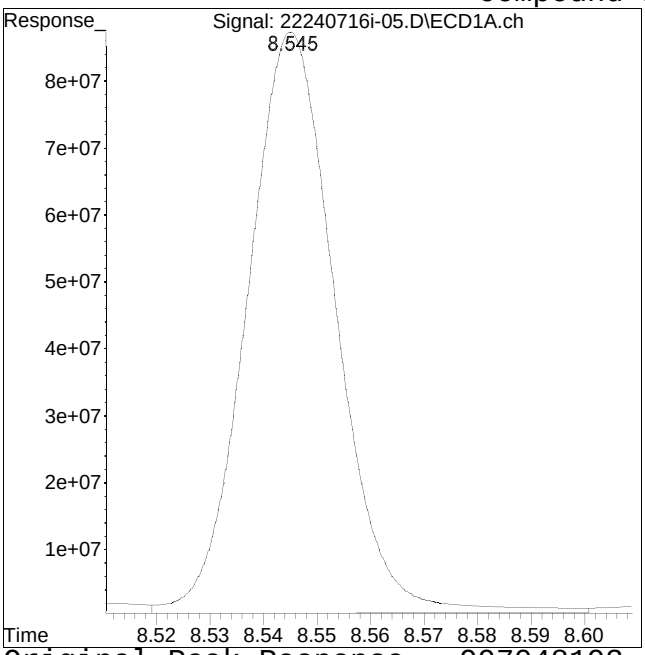
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

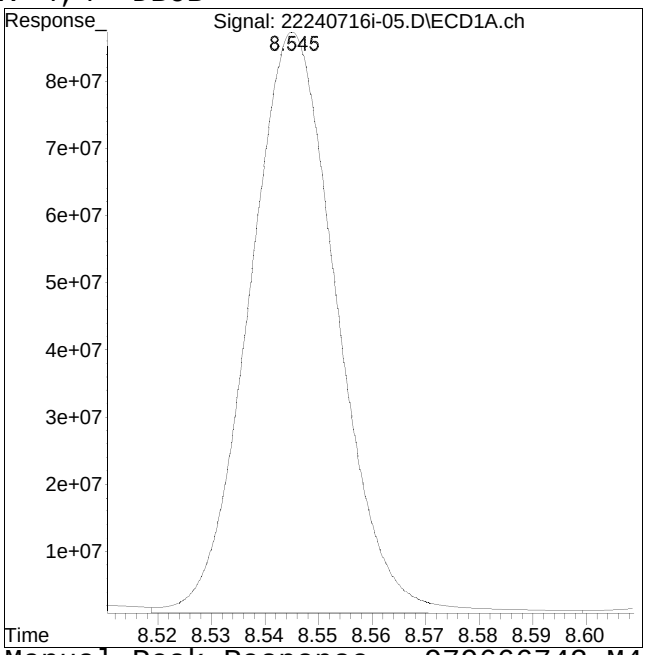


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #1: 4,4'-DBOB



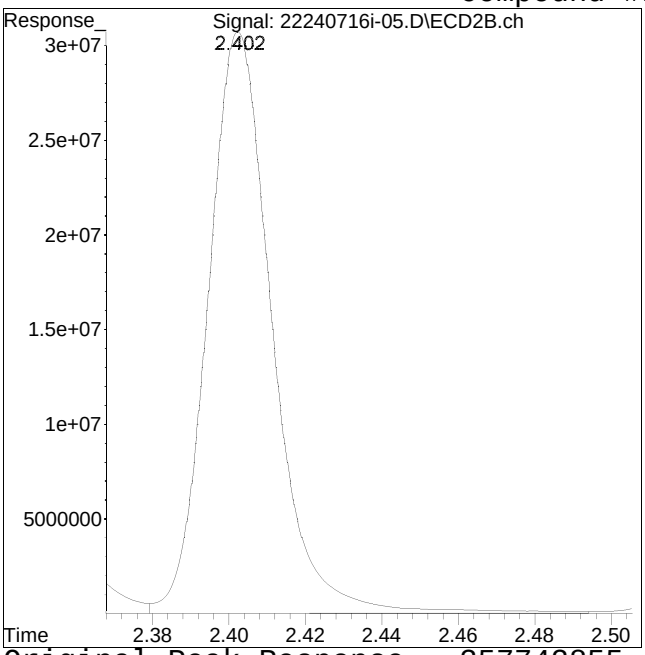


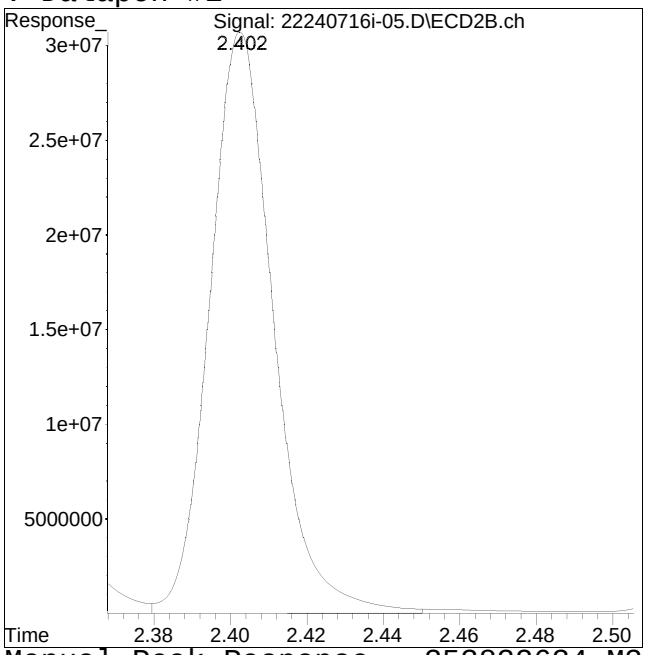
Original Peak Response = 997048193 Manual Peak Response = 979666742 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #15: Dalapon #2



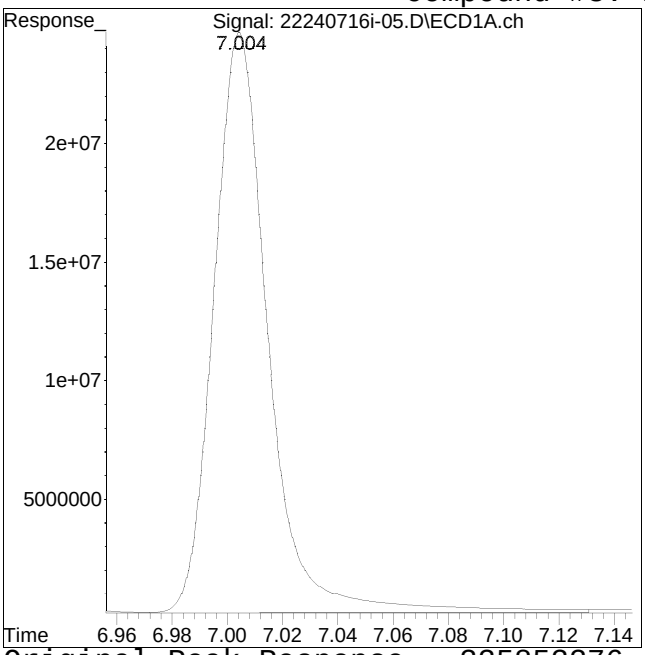


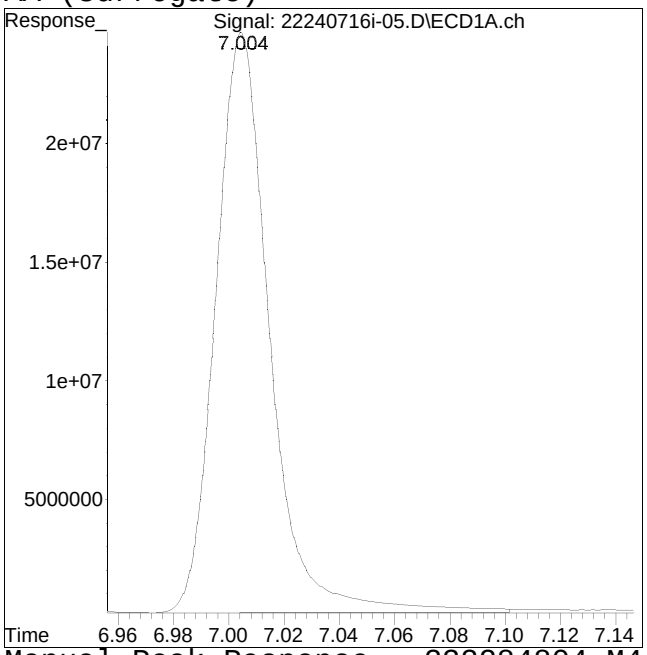
Original Peak Response = 357742855 Manual Peak Response = 353832634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #3: DCAA (surrogate)



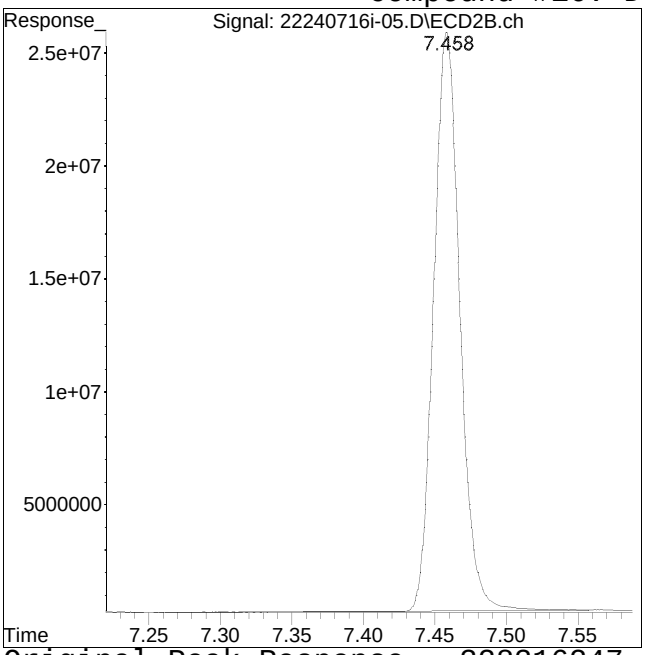


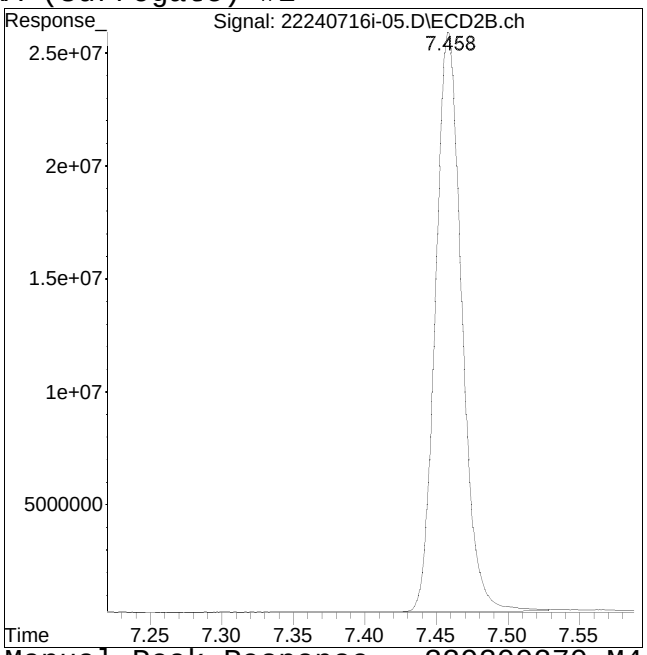
Original Peak Response = 335853376 Manual Peak Response = 332284804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #16: DCAA (surrogate) #2



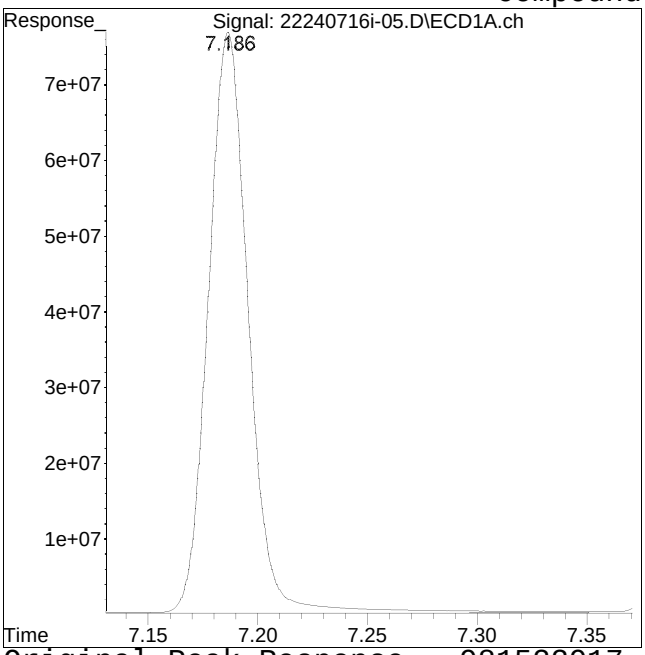


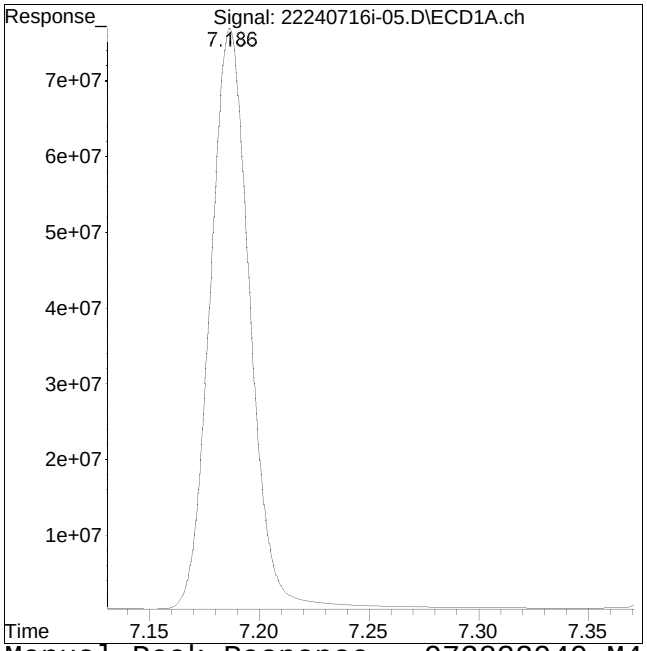
Original Peak Response = 328316247 Manual Peak Response = 329300270 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #4: Dicamba



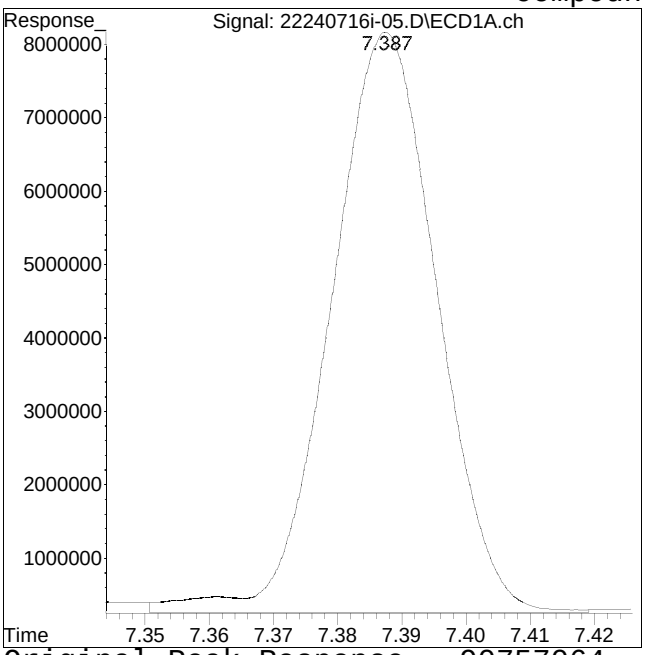


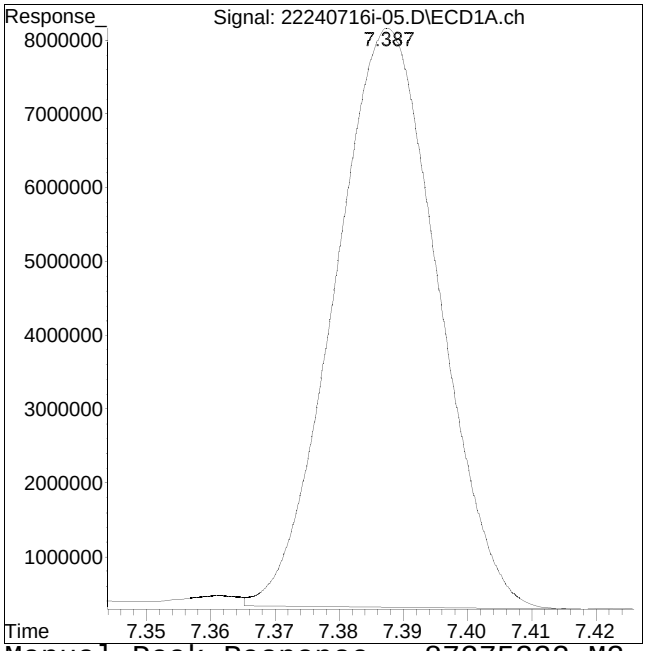
Original Peak Response = 981522917 Manual Peak Response = 973832940 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #5: MCPP





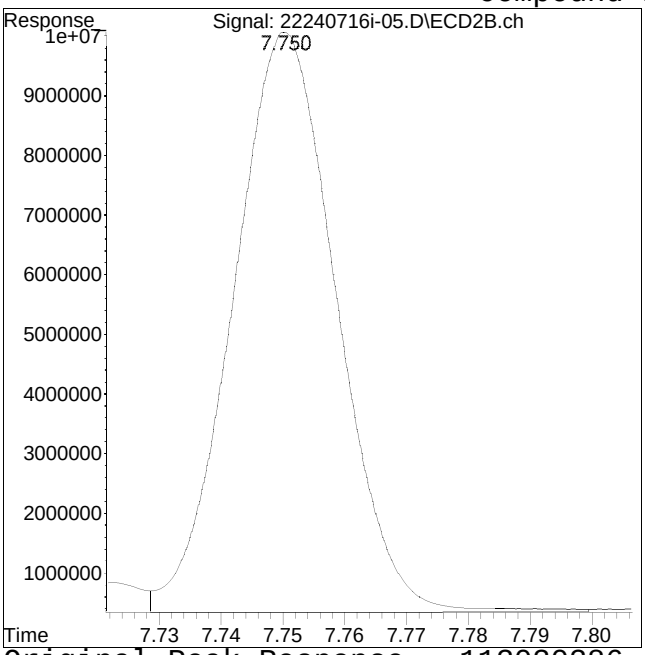
Original Peak Response = 90757064 Manual Peak Response = 87375332 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

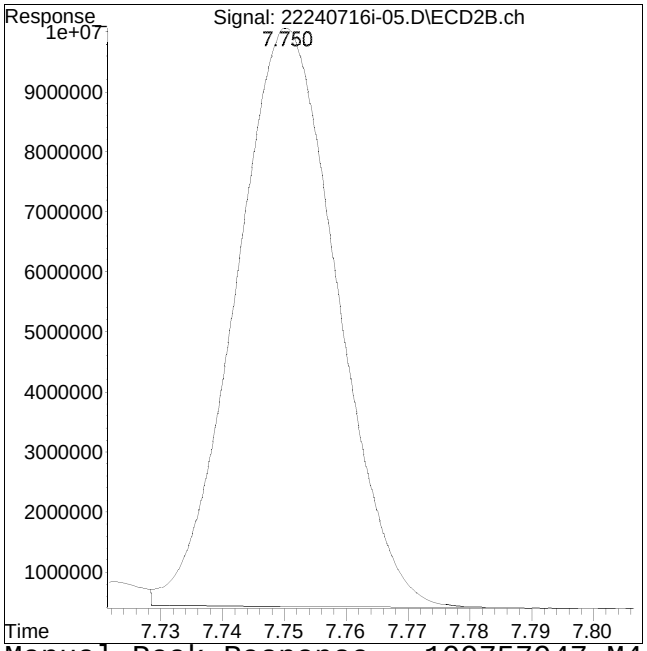
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-05.D
Date Inj'd : 7/16/2024 16:24
Sample : il4herb,42e,,pp 11630 L0.5

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:33 pm

Compound #18: MCPP #2



Original Peak Response = 113030386



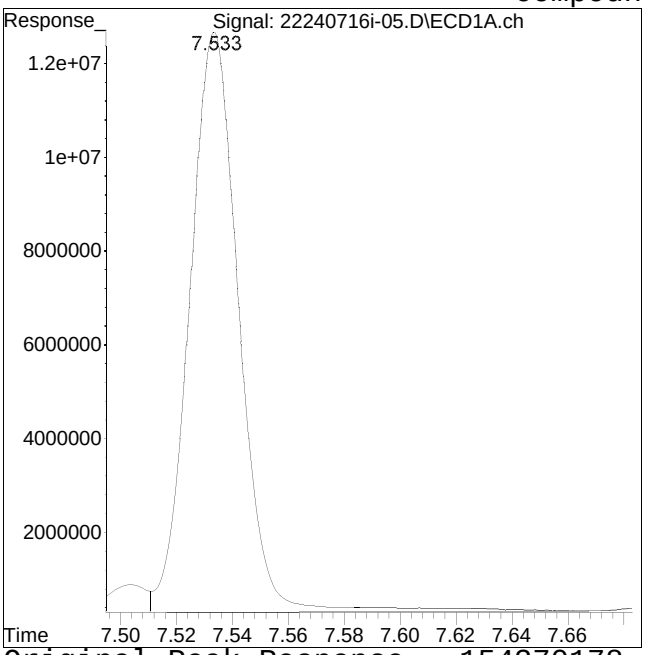
Manual Peak Response = 109757947 M4

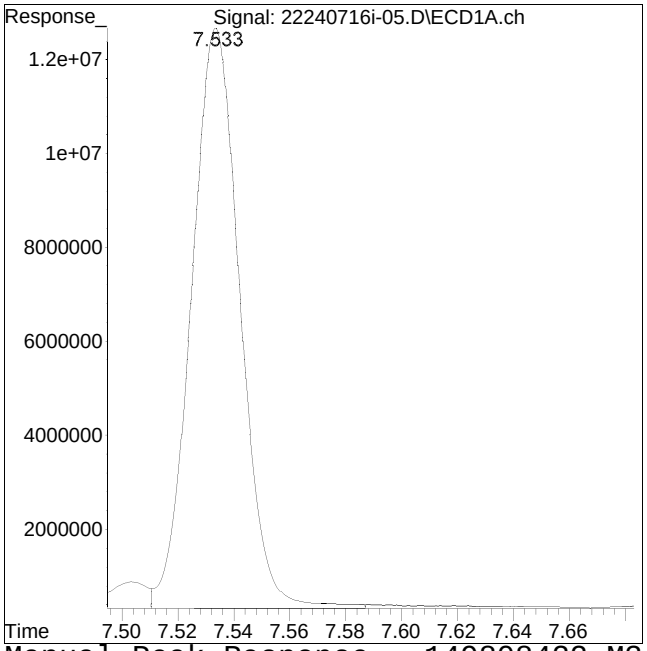
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #6: MCPA



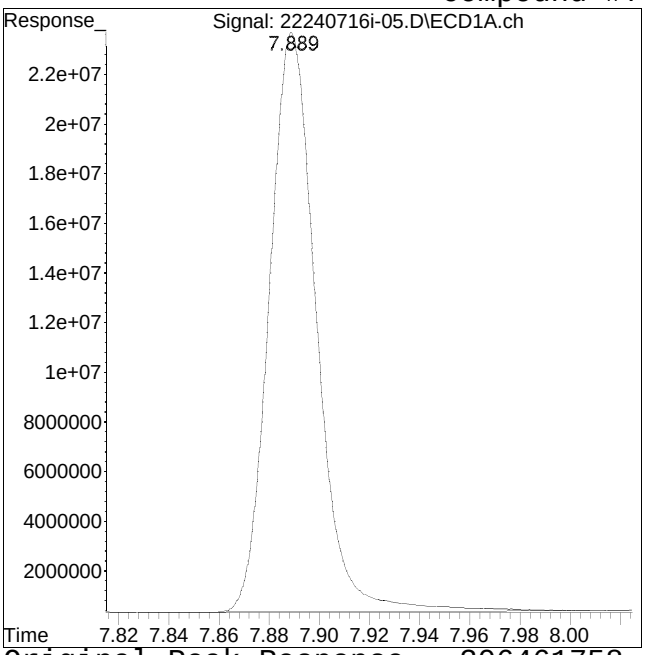


Original Peak Response = 154370178 Manual Peak Response = 149808422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

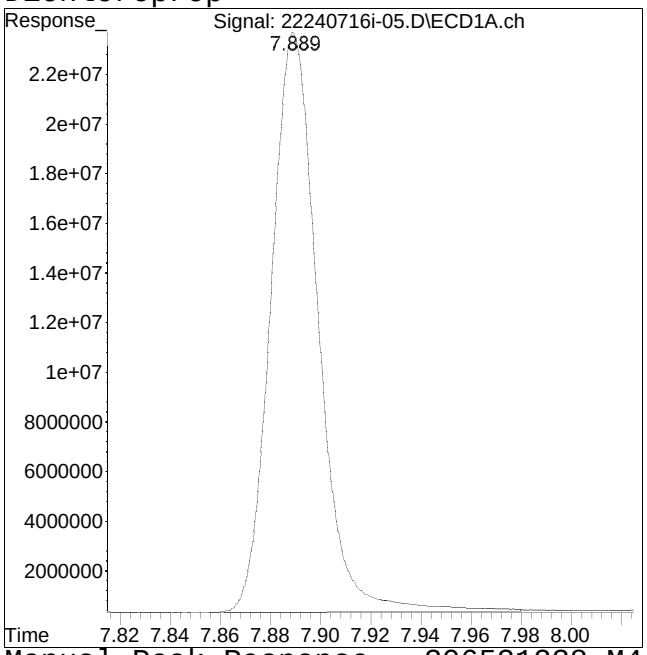
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #7: Dichloroprop



Original Peak Response = 306461758



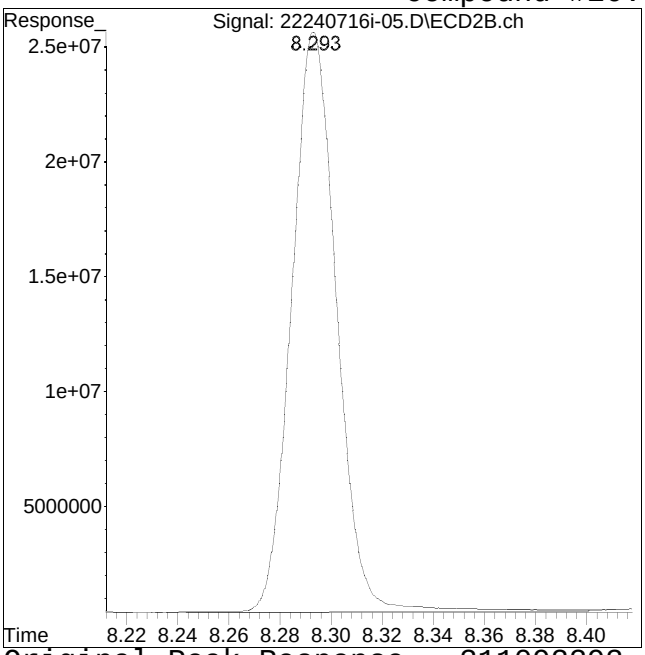
Manual Peak Response = 306521238 M4

M4 = Poor automated baseline construction.

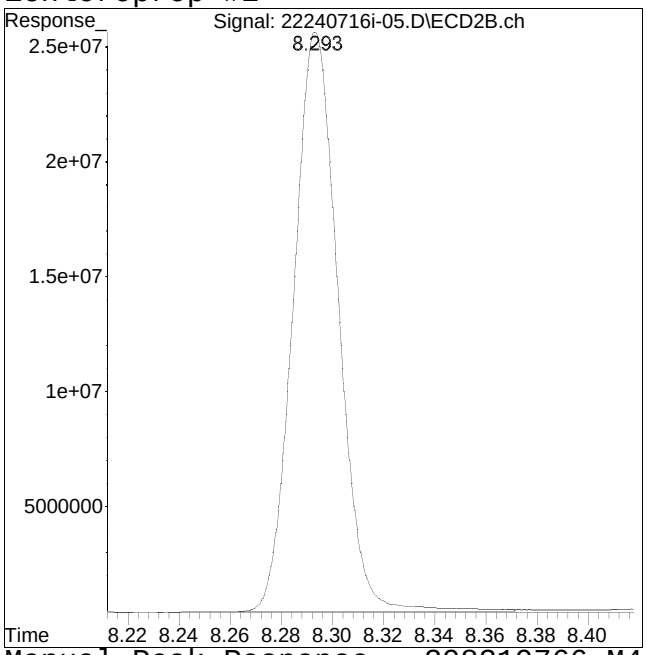
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #20: Dichloroprop #2



Original Peak Response = 311092393

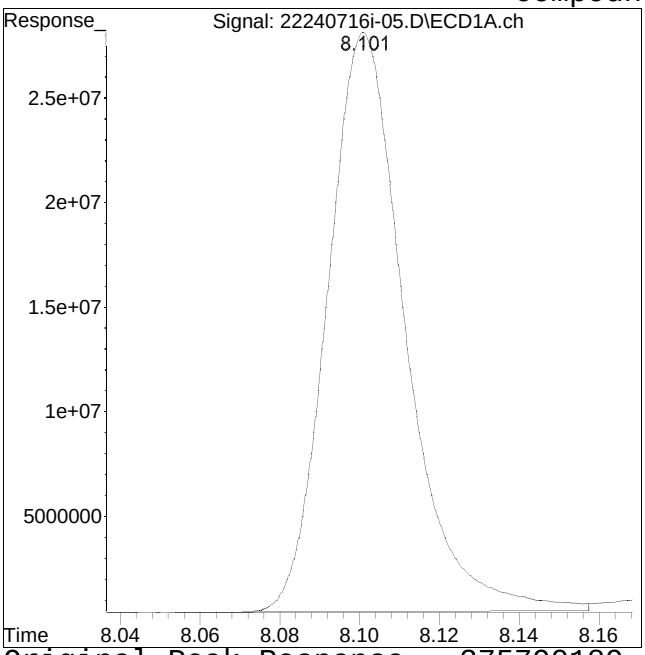


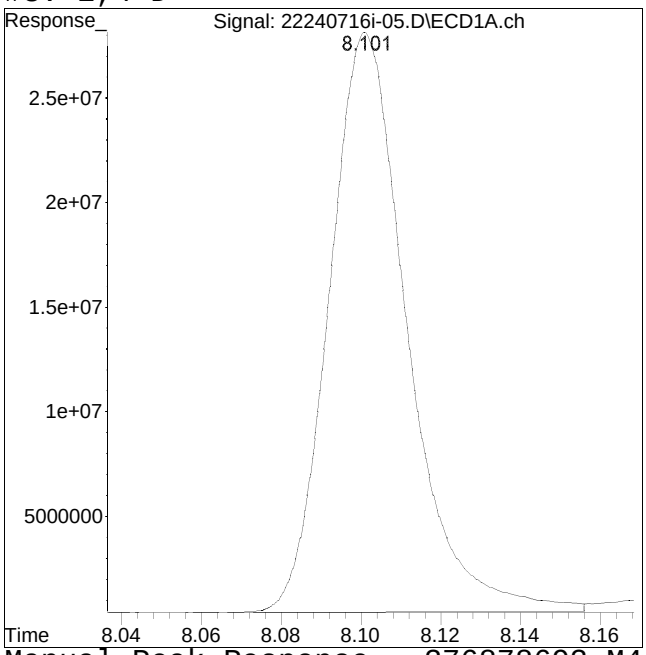
Manual Peak Response = 308319766 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #8: 2,4-D



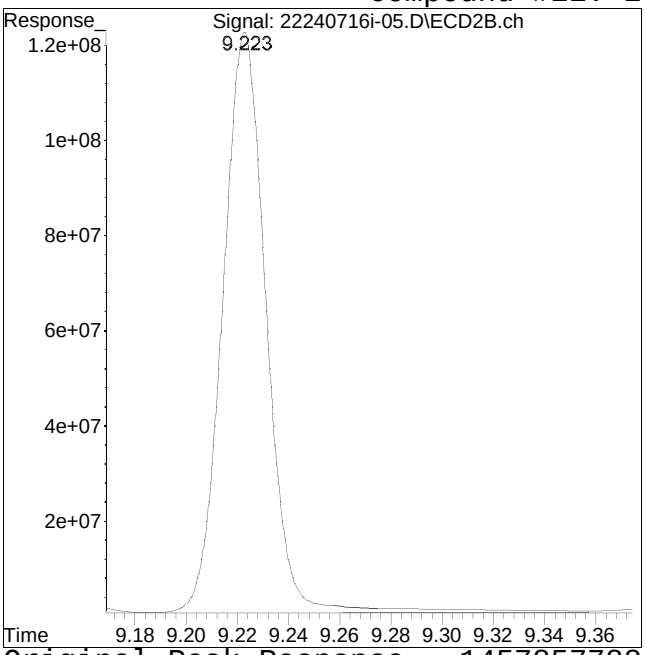


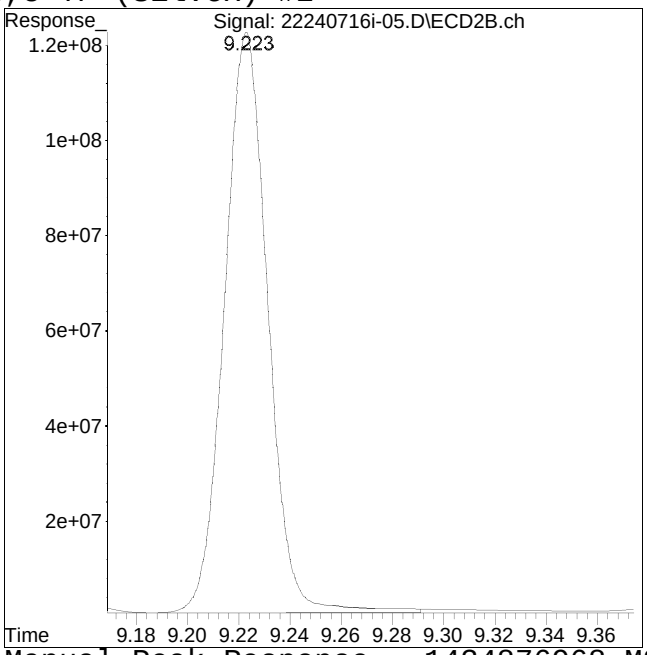
Original Peak Response = 375790189 Manual Peak Response = 376878693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #22: 2,4,5-TP (Silvex) #2



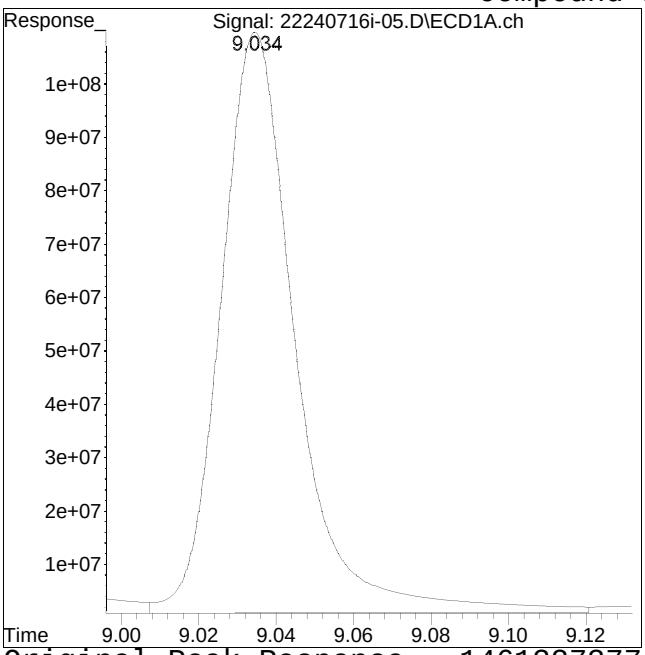


Original Peak Response = 1457857788 Manual Peak Response = 1434876968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

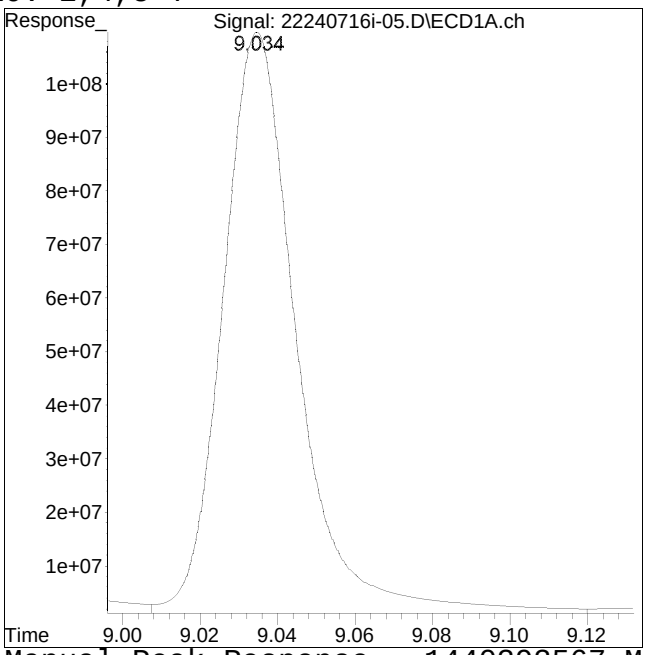
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #10: 2,4,5-T



Original Peak Response = 1461327377

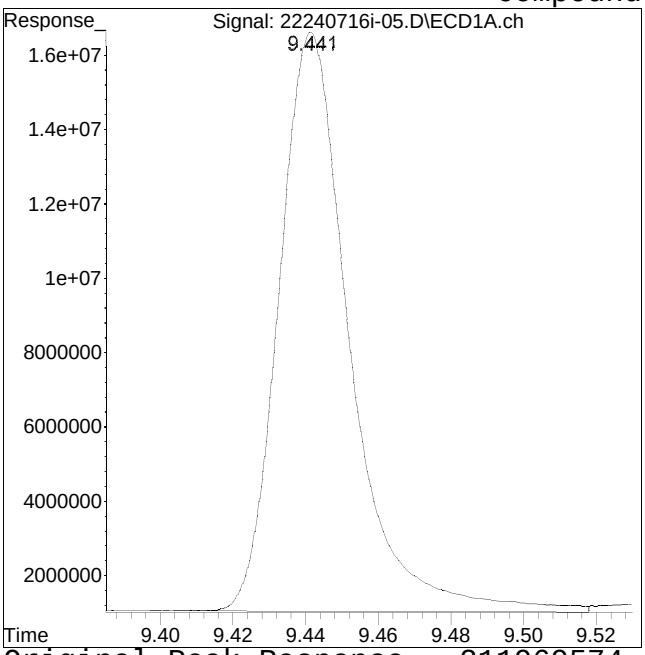


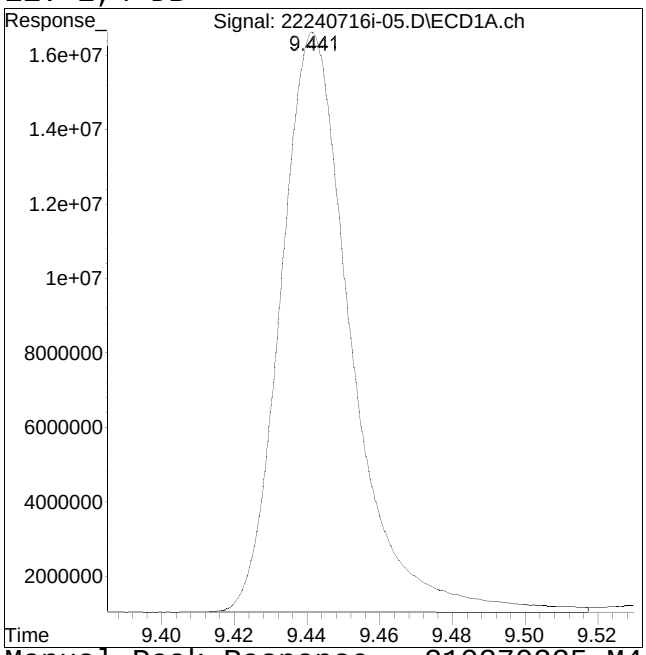
Manual Peak Response = 1440393567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #11: 2,4-DB





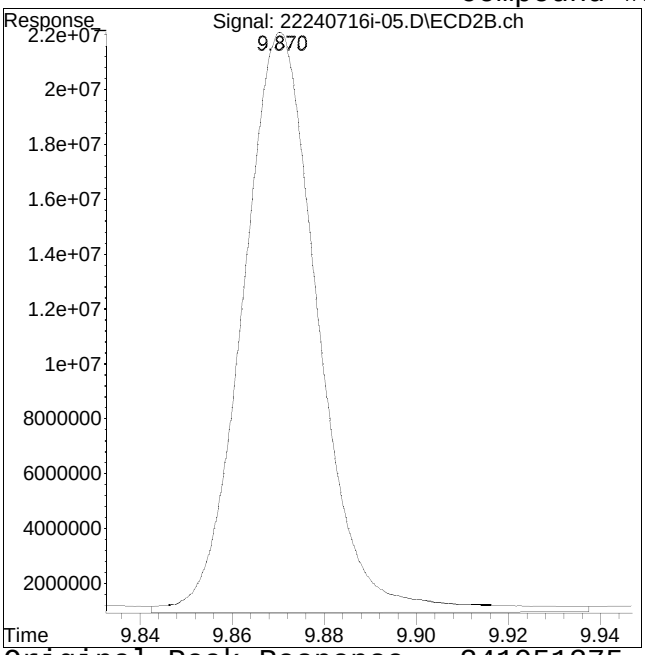
Original Peak Response = 211969574 Manual Peak Response = 210370325 M4
M4 = Poor automated baseline construction.

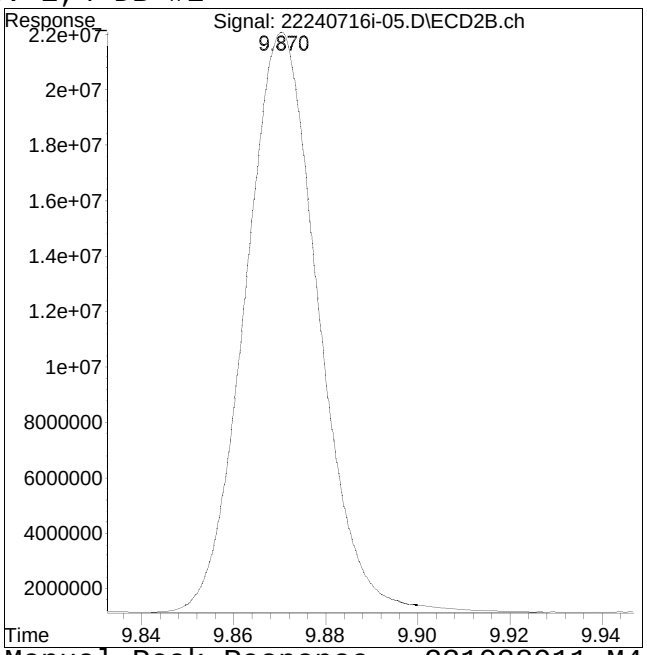
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-05.D
Date Inj'd : 7/16/2024 16:24
Sample : il4herb,42e,,pp 11630 L0.5

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:33 pm

Compound #24: 2,4-DB #2



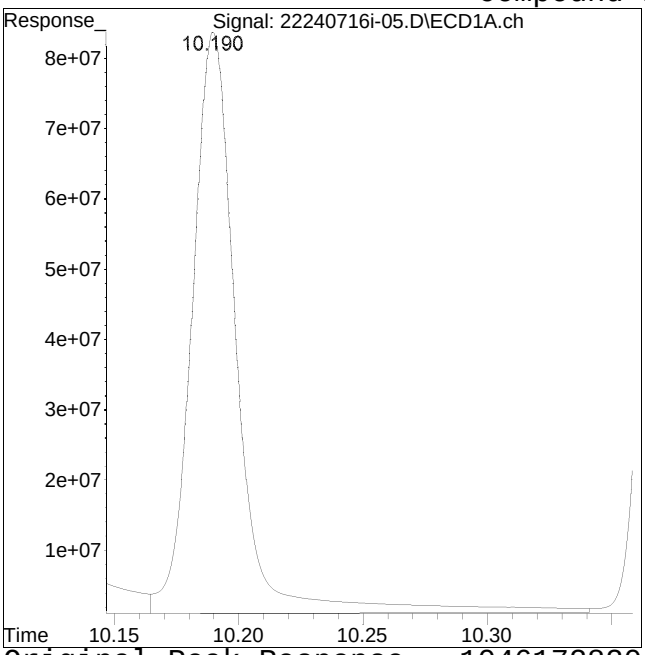


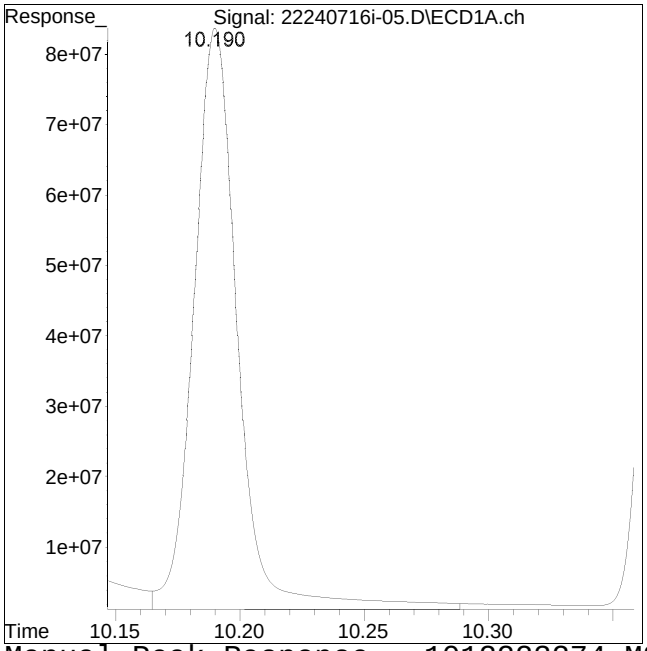
Original Peak Response = 241951375 Manual Peak Response = 231038911 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #12: Dinoseb



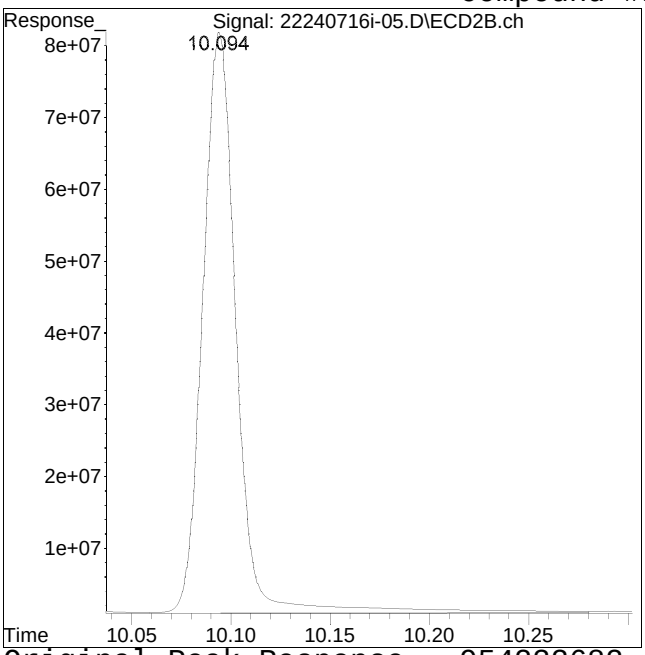


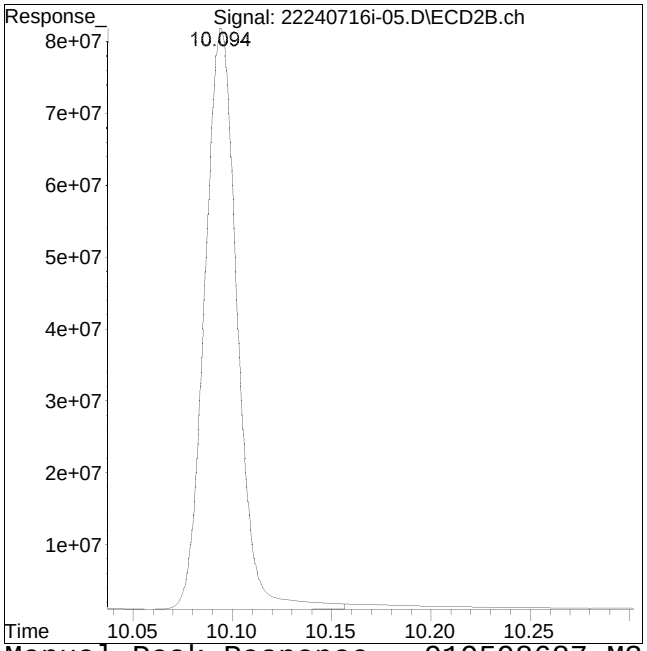
Original Peak Response = 1046172820 Manual Peak Response = 1012223274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #25: Dinoseb #2





Original Peak Response = 954232682 Manual Peak Response = 919598687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	1001.2E6	991.3E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.003	7.458	635.8E6	623.2E6	0.818M4	0.821M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	163.60%#	164.20%#
		Target Compounds						
2)	t	Dalapon	2.413	2.403	709.6E6	669.5E6	0.761	0.791
4)	t	Dicamba	7.186	7.639	1859.6E6	1884.5E6	0.826M4	0.841M4
5)	t	MCPP	7.388	7.751	185.9E6	226.4E6	99.650M3	95.269M4
6)	t	MCPA	7.534	7.977	293.8E6	344.6E6	85.044M4	84.353M4
7)	t	Dichloroprop	7.889	8.293	580.4E6	585.6E6	0.814	0.829M4
8)	t	2,4-D	8.099	8.566	724.4E6	758.5E6	0.836M4	0.798
9)	t	2,4,5-TP (Si	8.814	9.223	2789.0E6	2780.8E6	0.858M4	0.867M3
10)	t	2,4,5-T	9.033	9.510	2817.7E6	2661.5E6	0.867M4	0.878M4
11)	t	2,4-DB	9.439	9.870	404.8E6	449.4E6	0.852M4	0.885M4
12)	t	Dinoseb	10.190	10.094	1949.1E6	1799.9E6	0.845M3	0.871M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

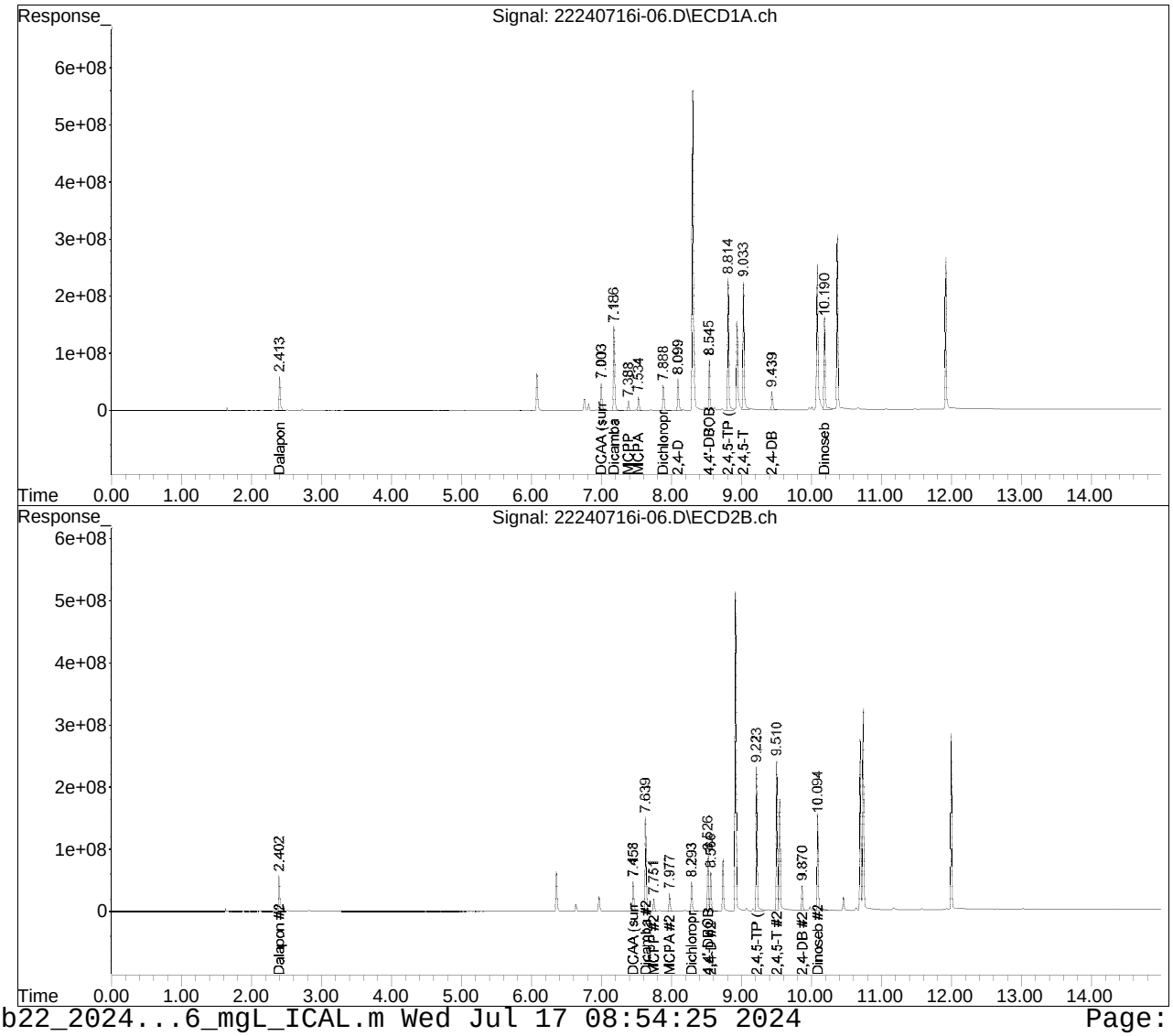
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

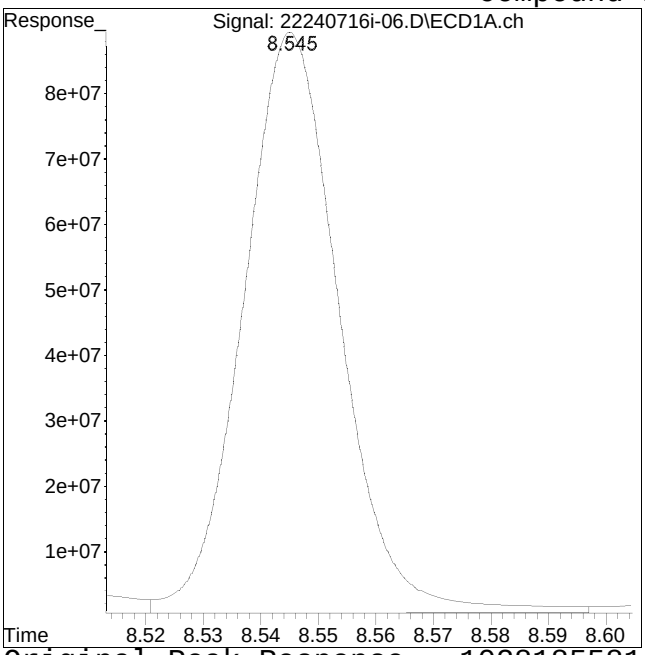
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

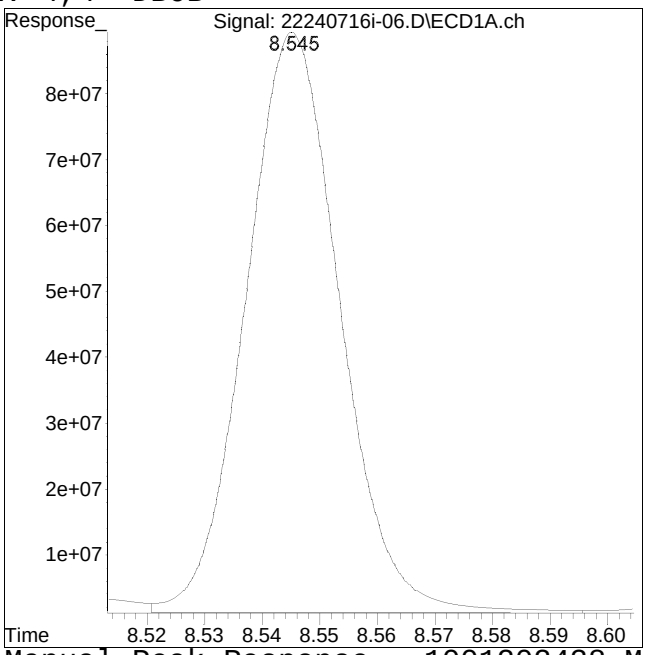


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #1: 4,4'-DBOB



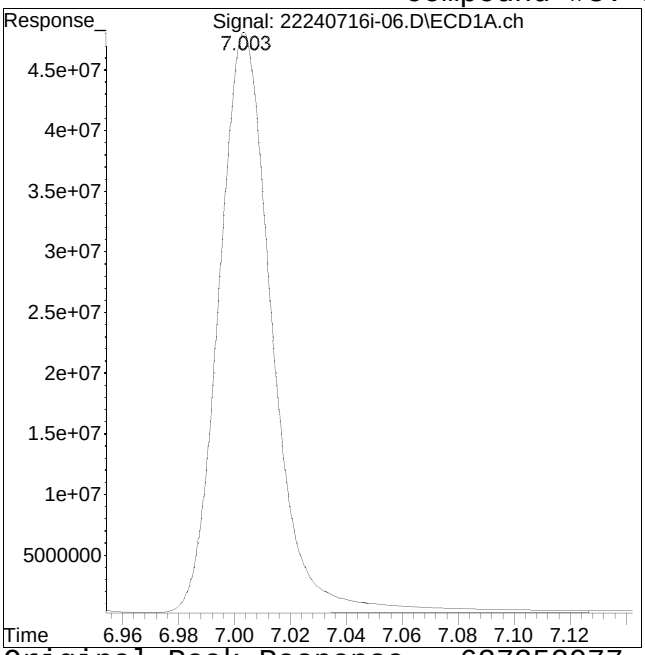


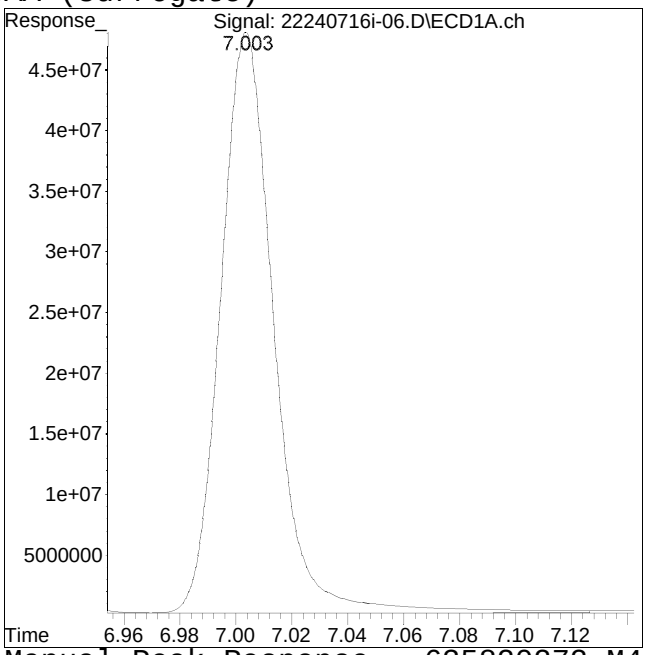
Original Peak Response = 1028185581 Manual Peak Response = 1001202438 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #3: DCAA (surrogate)



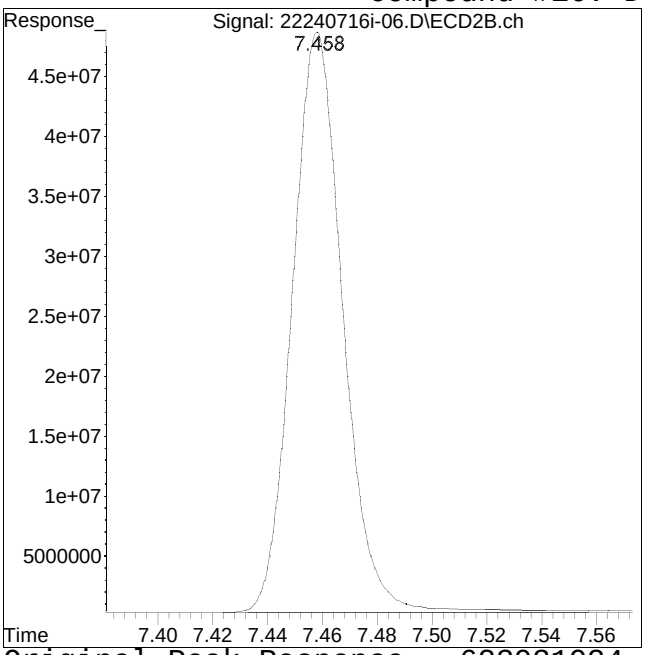


Original Peak Response = 637352977 Manual Peak Response = 635820272 M4
M4 = Poor automated baseline construction.

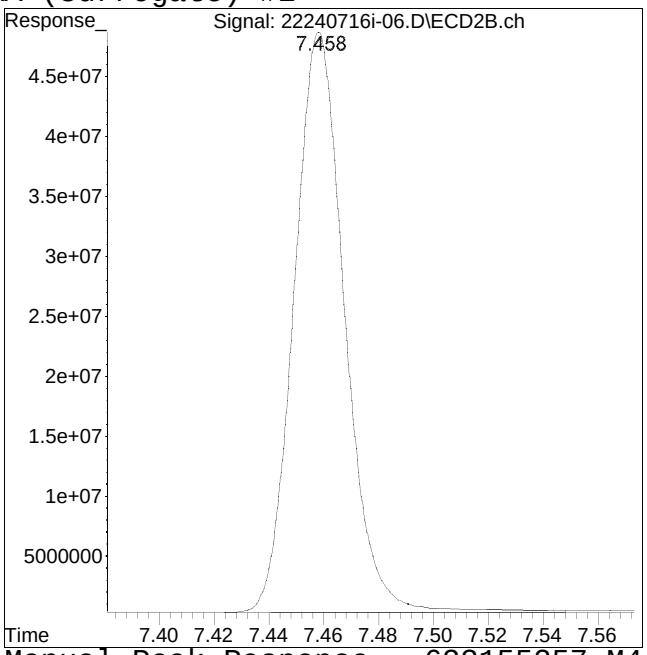
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 623931934

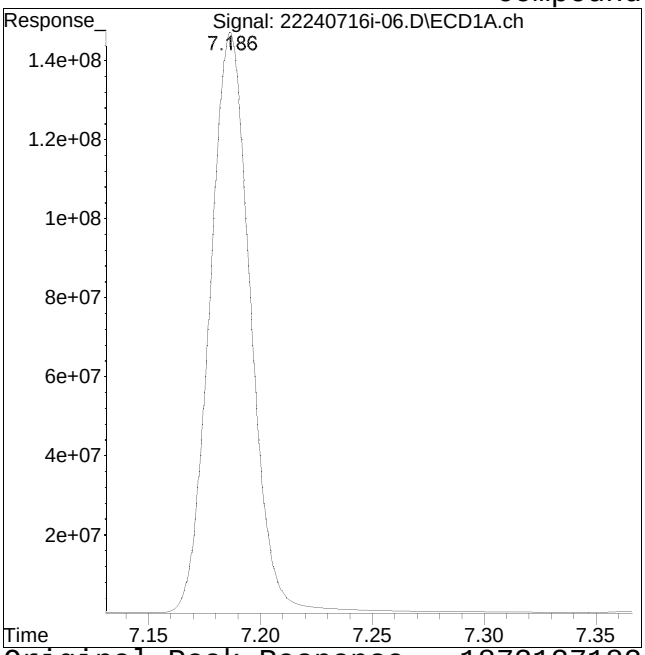


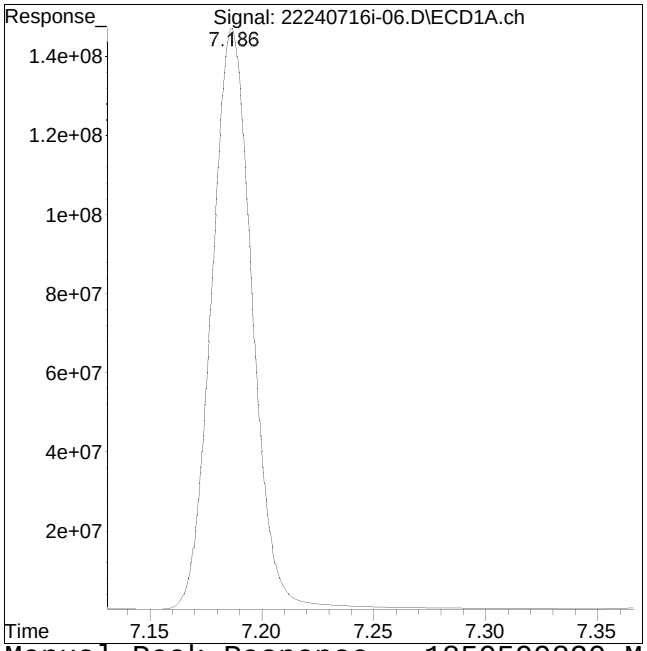
Manual Peak Response = 623155257 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #4: Dicamba



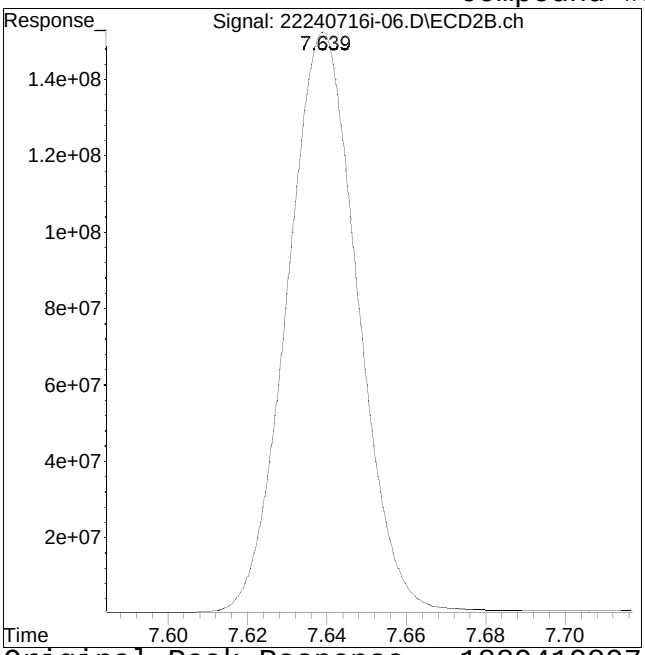


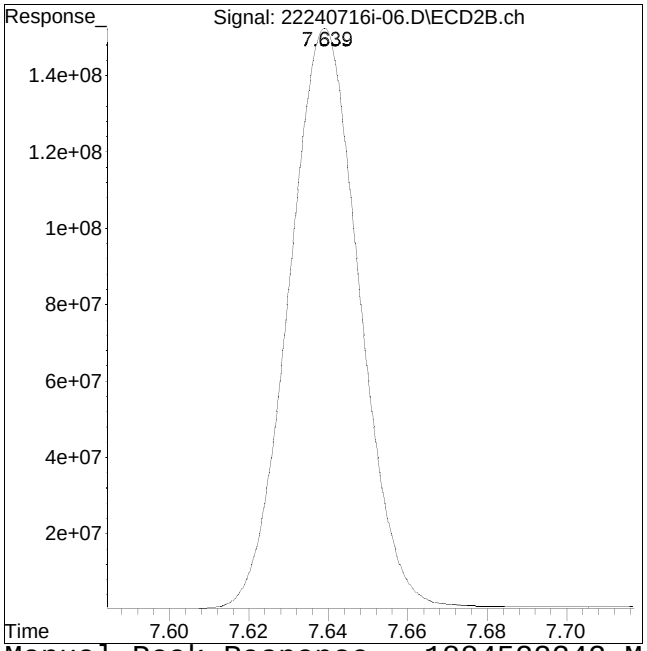
Original Peak Response = 1873127182 Manual Peak Response = 1859599820 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #17: Dicamba #2



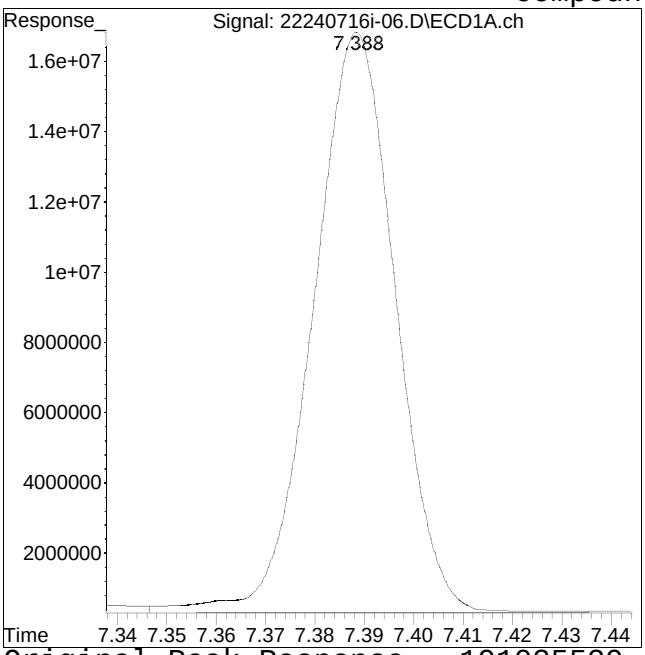


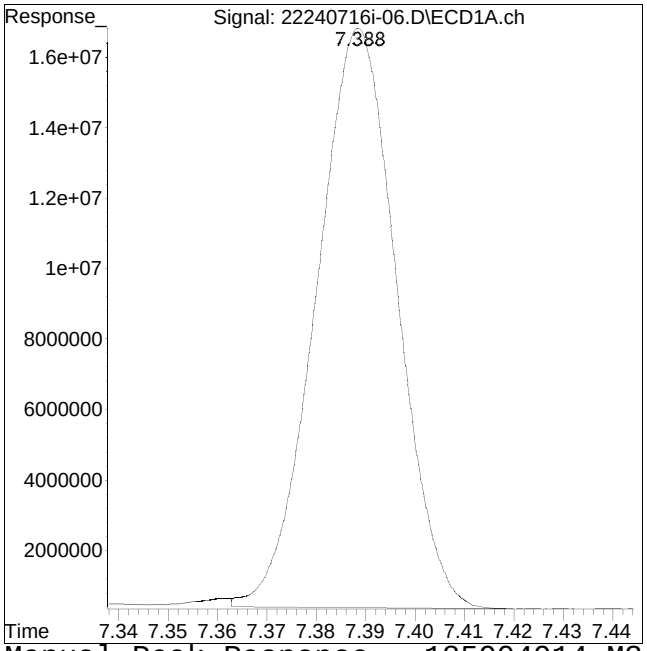
Original Peak Response = 1889419897 Manual Peak Response = 1884522242 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #5: MCPP



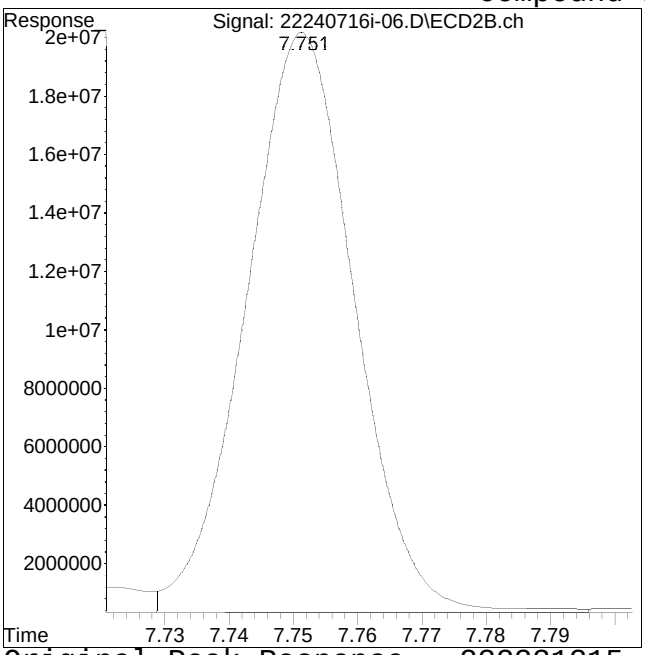


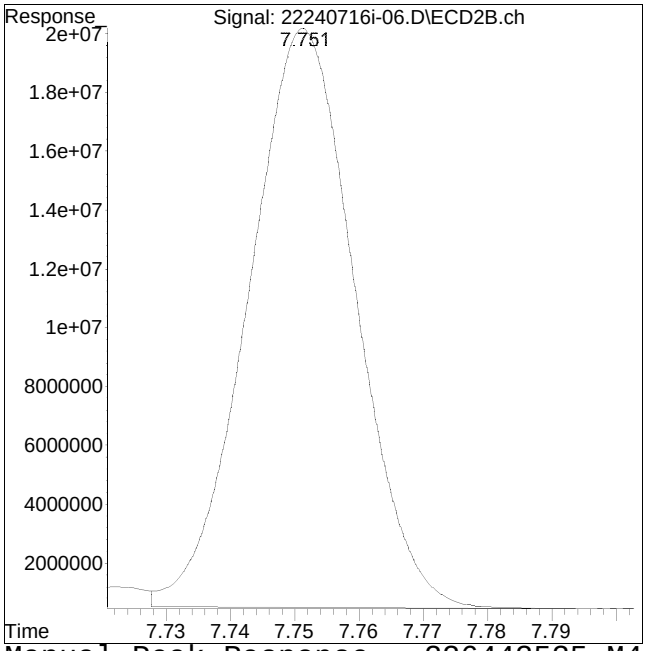
Original Peak Response = 191035529 Manual Peak Response = 185904914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #18: MCPP #2



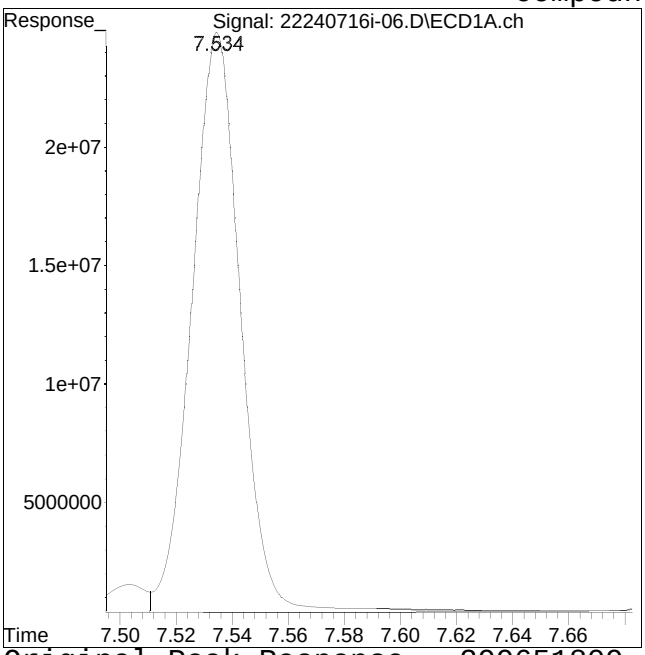


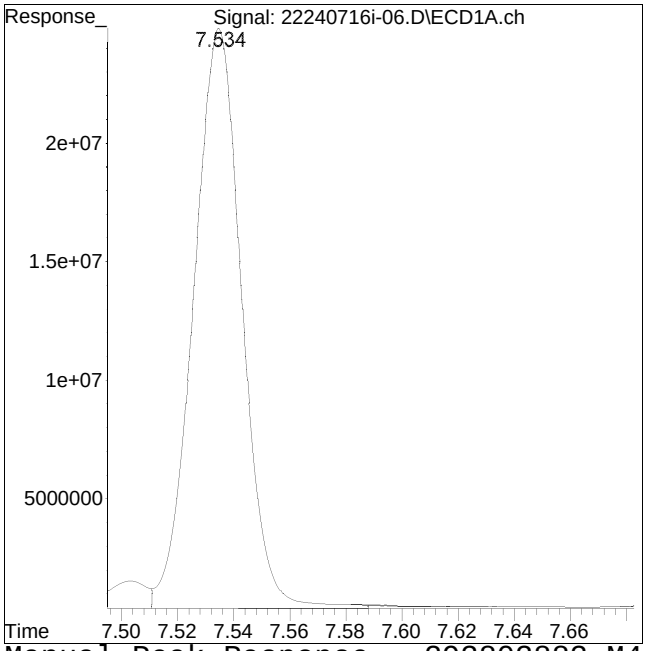
Original Peak Response = 232331315 Manual Peak Response = 226443535 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #6: MCPA



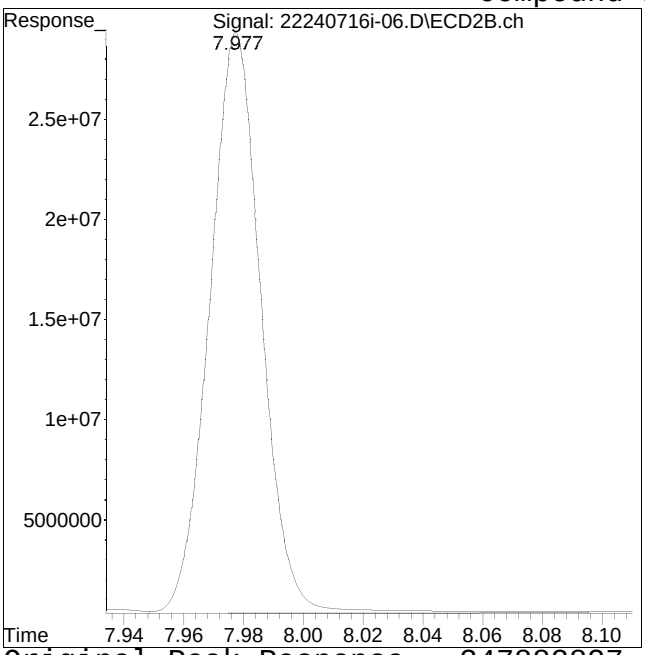


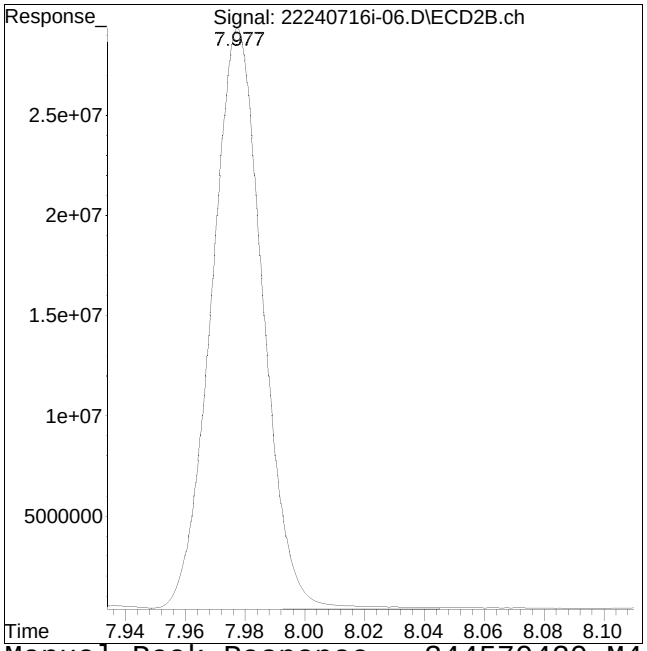
Original Peak Response = 299651809 Manual Peak Response = 293803883 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #19: MCPA #2



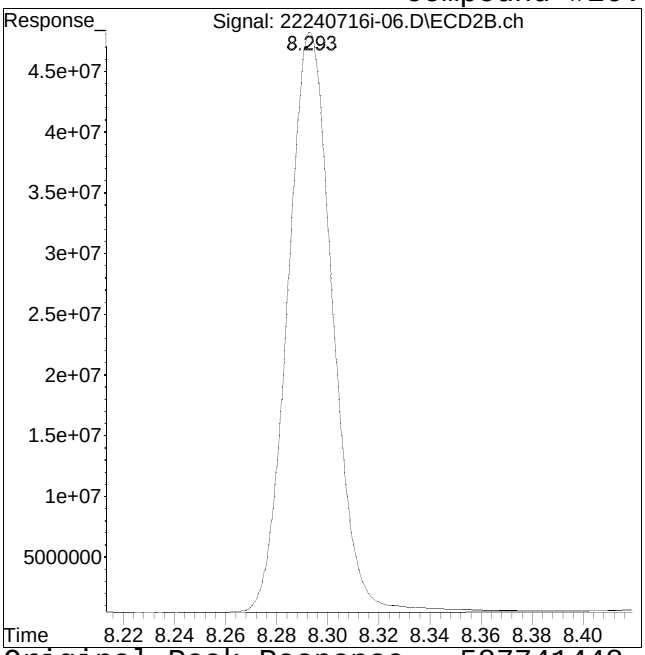


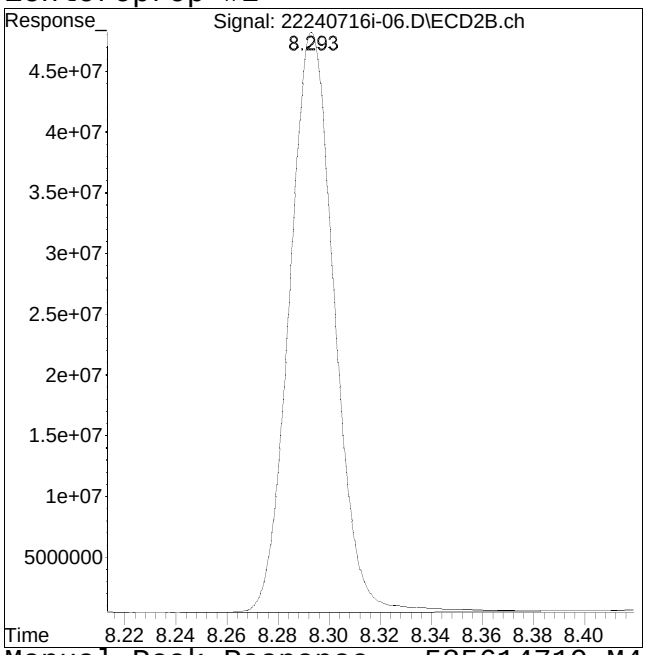
Original Peak Response = 347882827 Manual Peak Response = 344570420 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #20: Dichloroprop #2



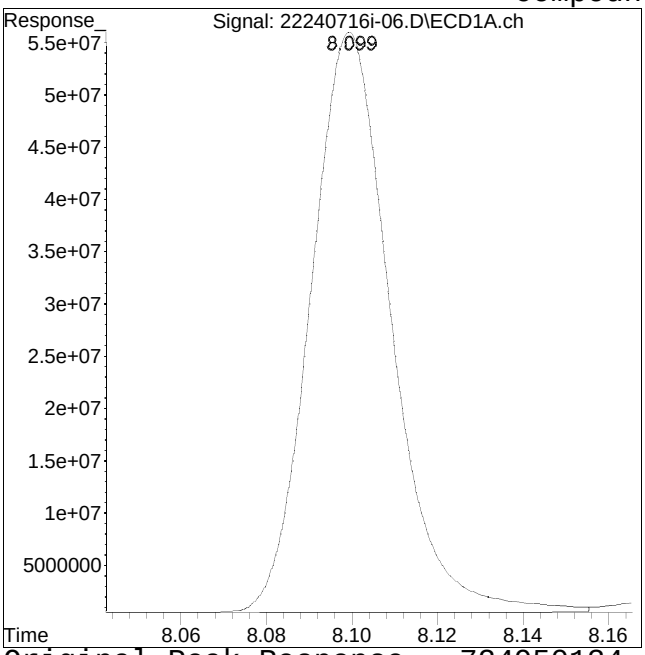


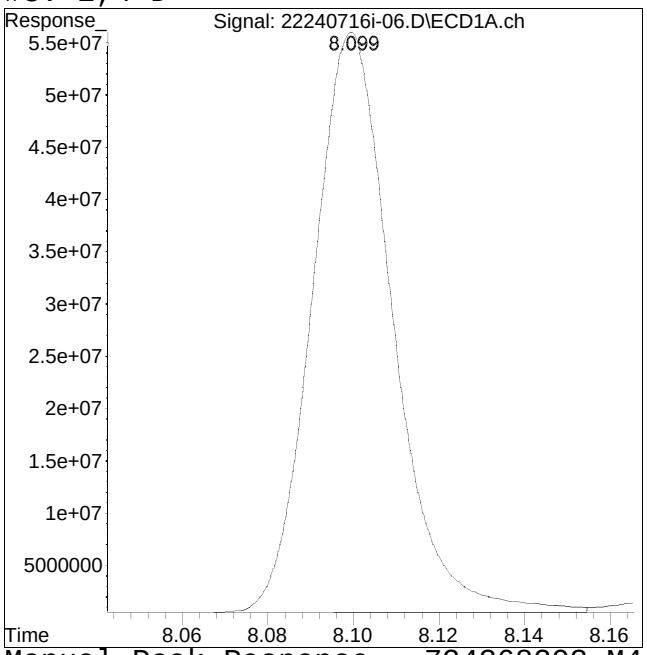
Original Peak Response = 587741448 Manual Peak Response = 585614710 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #8: 2,4-D



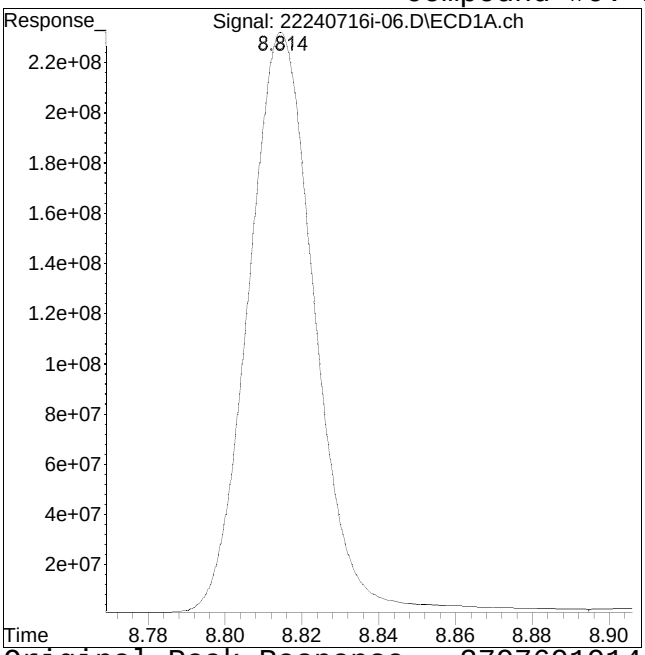


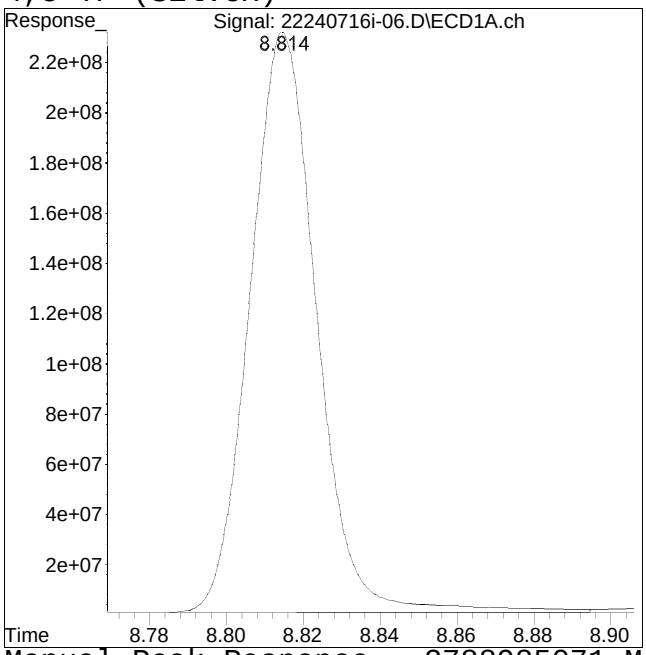
Original Peak Response = 724950134 Manual Peak Response = 724368293 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #9: 2,4,5-TP (Silvex)



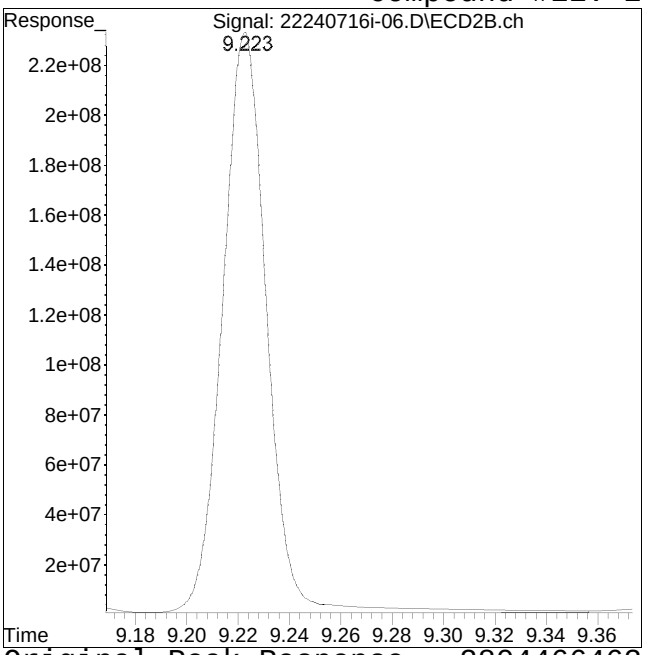


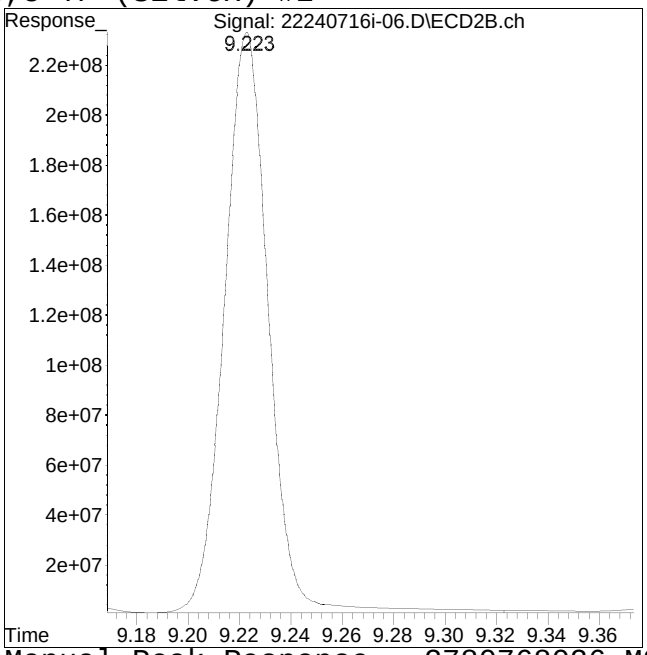
Original Peak Response = 2797691914 Manual Peak Response = 2788985071 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #22: 2,4,5-TP (Silvex) #2



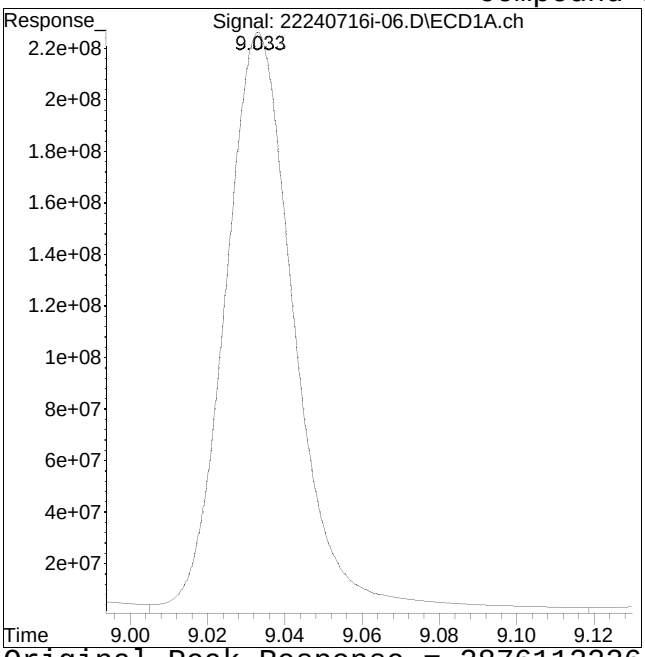


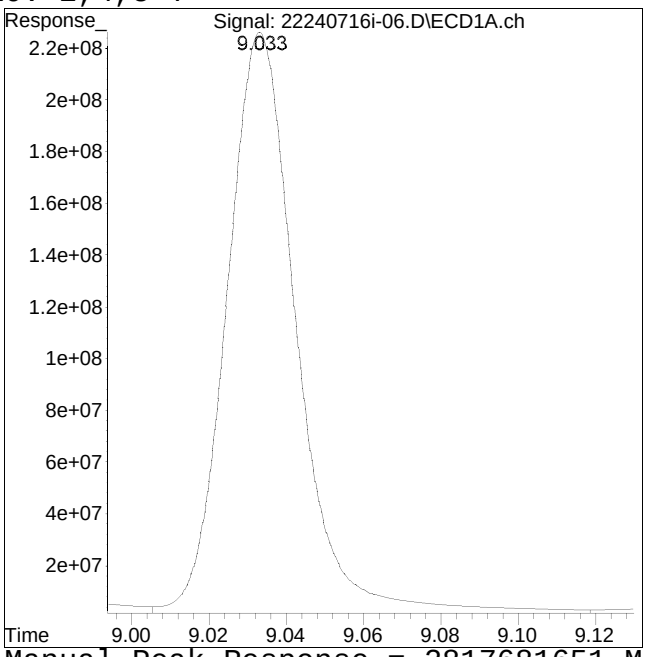
Original Peak Response = 2804466463 Manual Peak Response = 2780768026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #10: 2,4,5-T



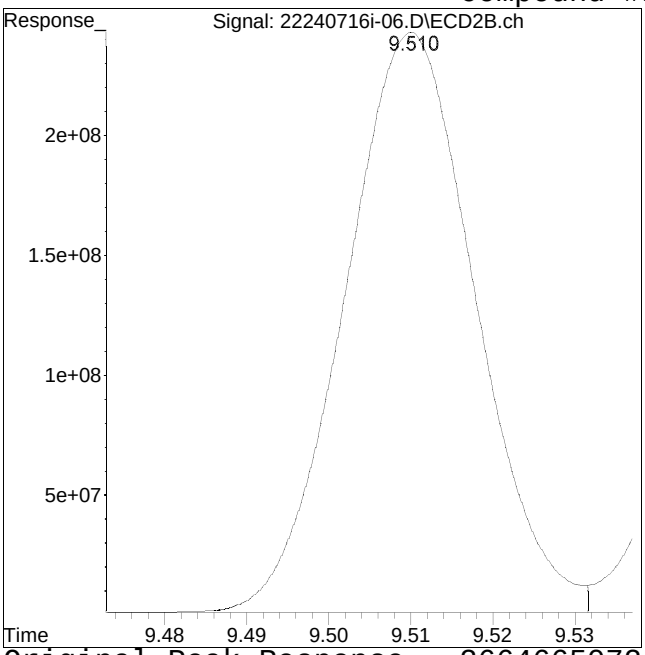


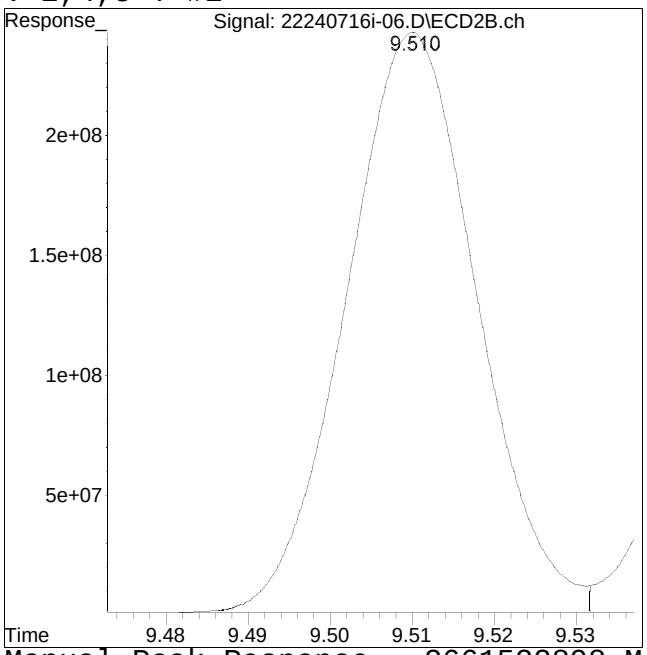
Original Peak Response = 2876112226 Manual Peak Response = 2817681651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #23: 2,4,5-T #2



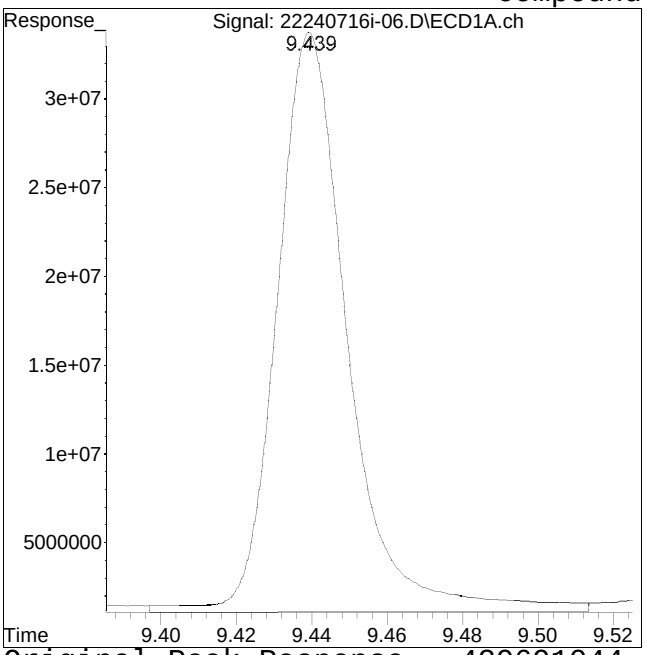


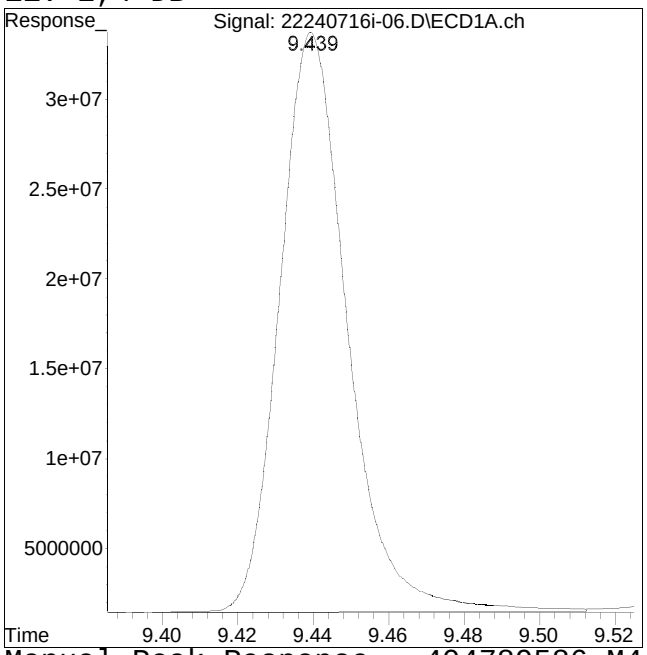
Original Peak Response = 2664665072 Manual Peak Response = 2661522898 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #11: 2,4-DB



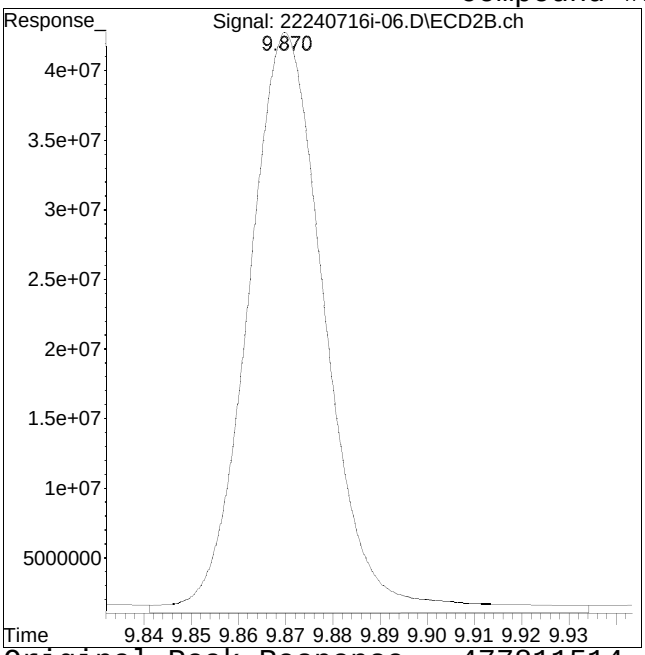


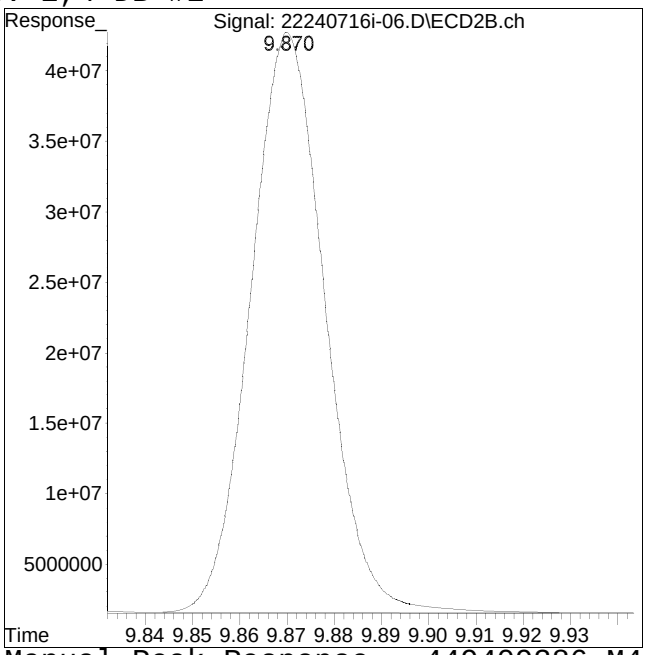
Original Peak Response = 429691044 Manual Peak Response = 404789586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #24: 2,4-DB #2



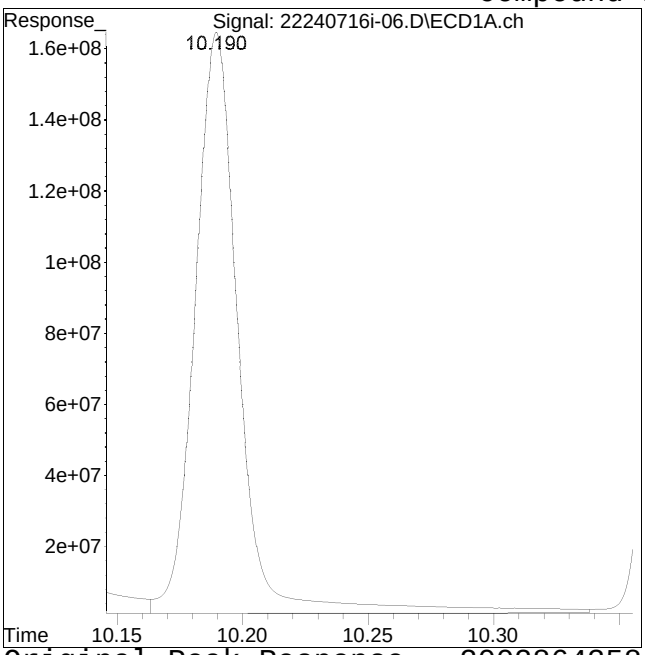


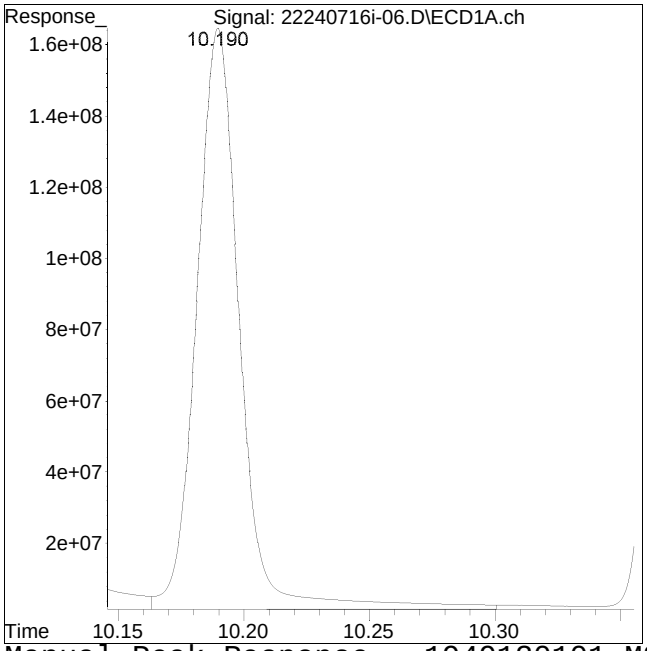
Original Peak Response = 477811514 Manual Peak Response = 449409386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #12: Dinoseb



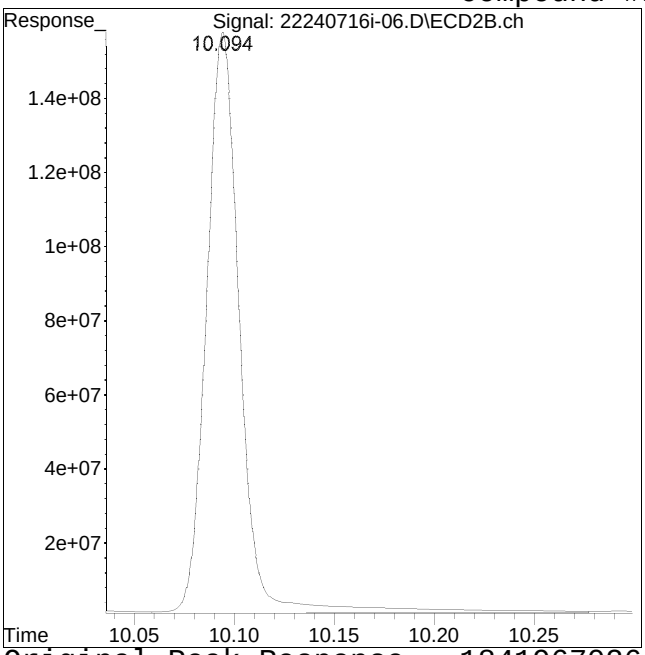


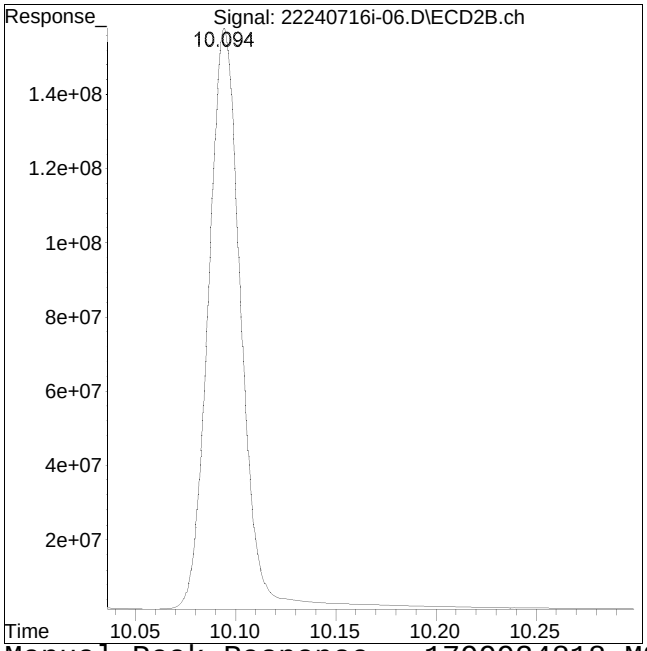
Original Peak Response = 2002864358 Manual Peak Response = 1949130101 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #25: Dinoseb #2





Original Peak Response = 1841967026 Manual Peak Response = 1799934818 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.527	1015.1E6	988.6E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.002	7.458	1192.1E6	1177.4E6	1.582M4	1.624M4
		Spiked Amount	0.500	Range	30 - 150	Recovery =	316.40%#	324.80%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	1332.9E6	1268.8E6	1.492	1.572
4)	t	Dicamba	7.186	7.639	3589.1E6	3642.6E6	1.638M3	1.689M4
5)	t	MCPP	7.390	7.753	388.6E6	464.1E6	201.430M3	194.893M4
6)	t	MCPA	7.536	7.980	580.1E6	671.2E6	170.499M4	170.043M4
7)	t	Dichloroprop	7.888	8.293	1082.7E6	1100.0E6	1.568	1.625M3
8)	t	2,4-D	8.098	8.566	1379.9E6	1448.4E6	1.631M4	1.609
9)	t	2,4,5-TP (Si	8.814	9.223	5330.5E6	5302.3E6	1.672M4	1.707M3
10)	t	2,4,5-T	9.032	9.510	5458.2E6	5216.8E6	1.707M4	1.770M4
11)	t	2,4-DB	9.438	9.870	774.6E6	865.0E6	1.671M4	1.754M4
12)	t	Dinoseb	10.189	10.094	3721.2E6	3387.5E6	1.652M3	1.690M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

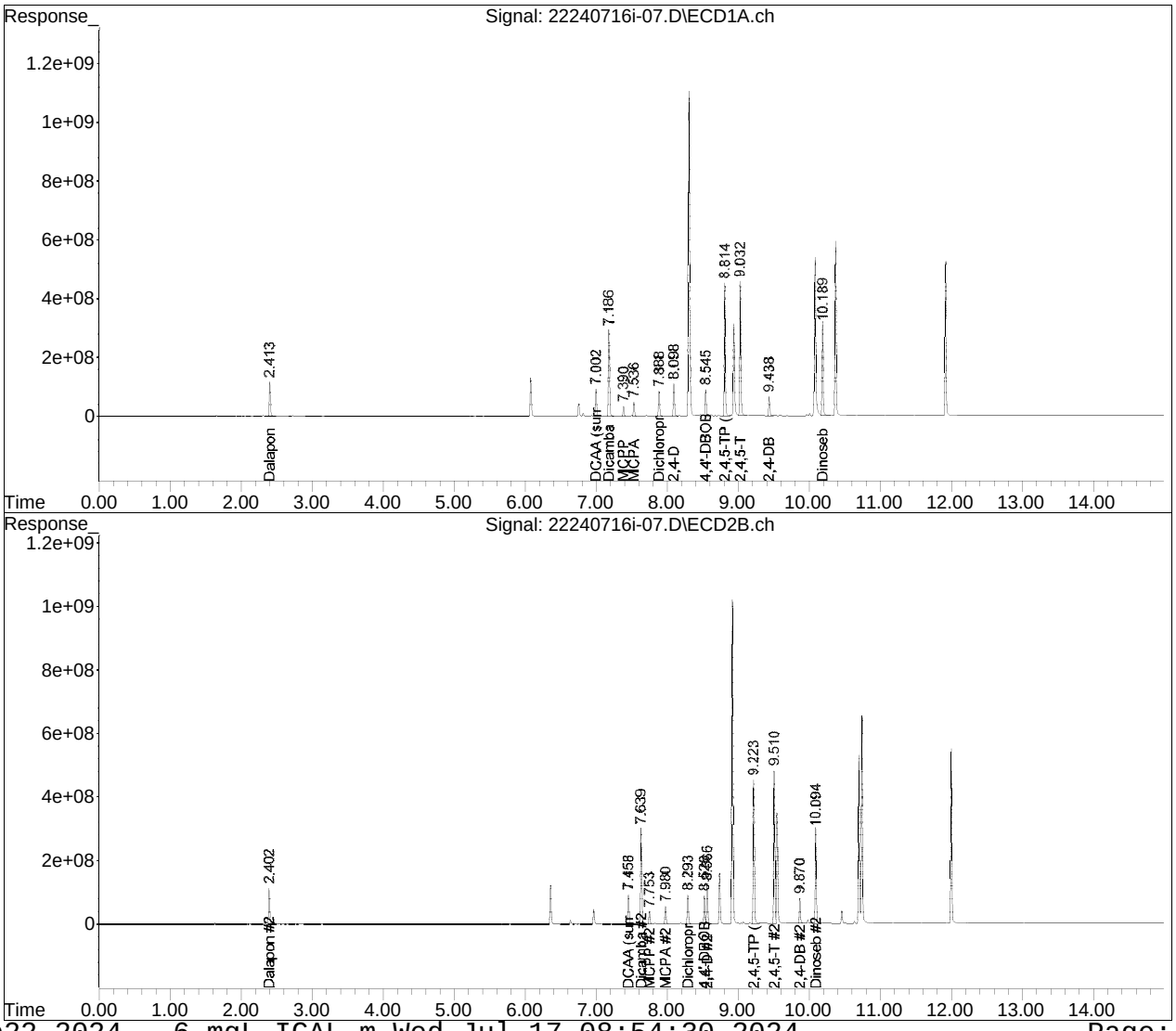
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

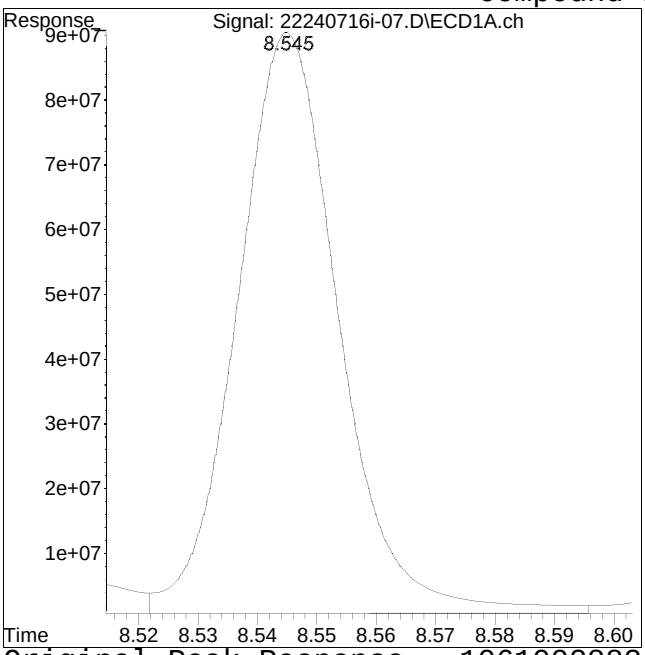
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

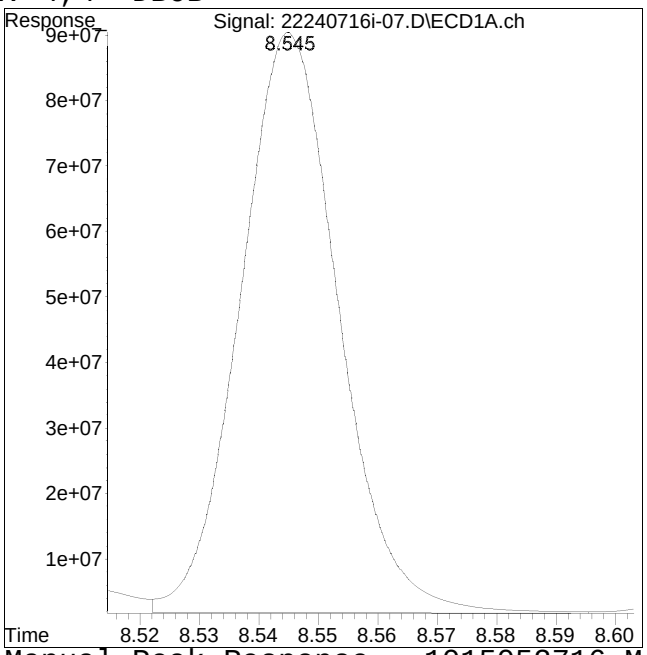


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #1: 4,4'-DBOB



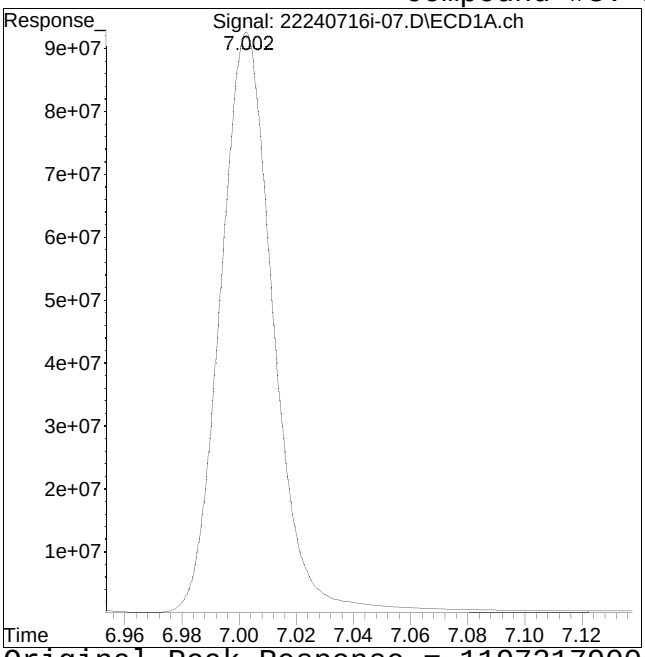


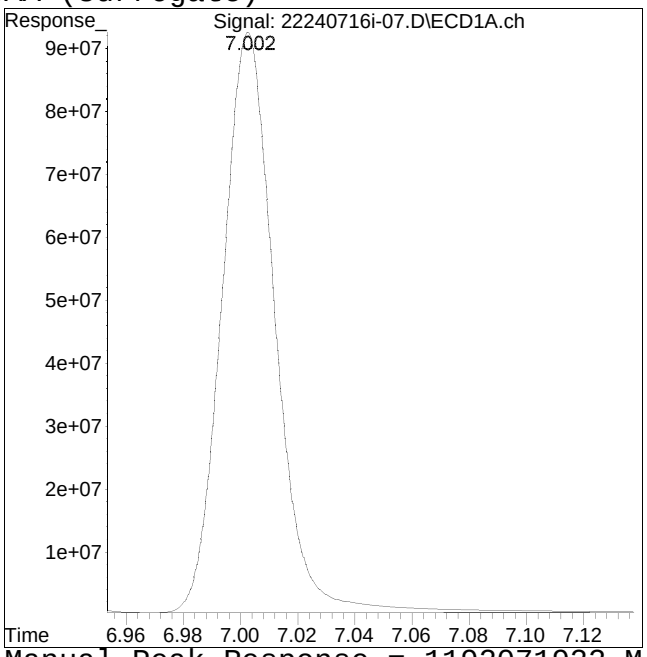
Original Peak Response = 1061002883 Manual Peak Response = 1015052716 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #3: DCAA (surrogate)





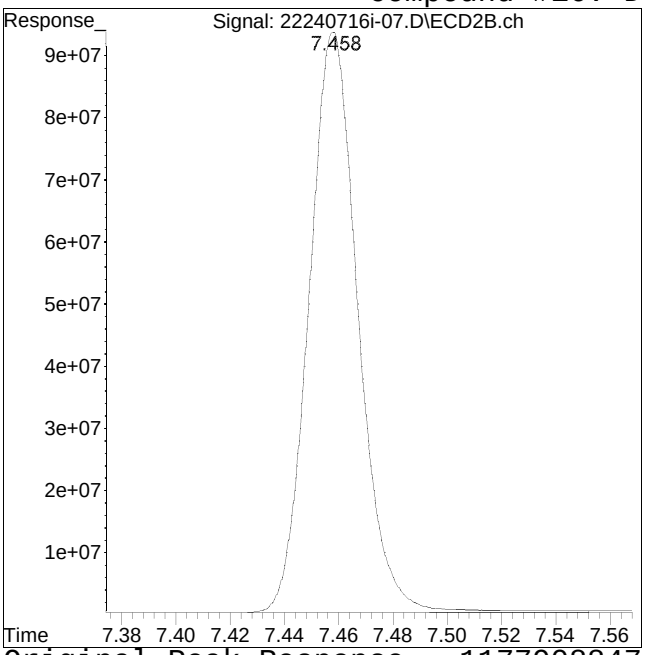
Original Peak Response = 1197317900 Manual Peak Response = 1192071922 M4
M4 = Poor automated baseline construction.

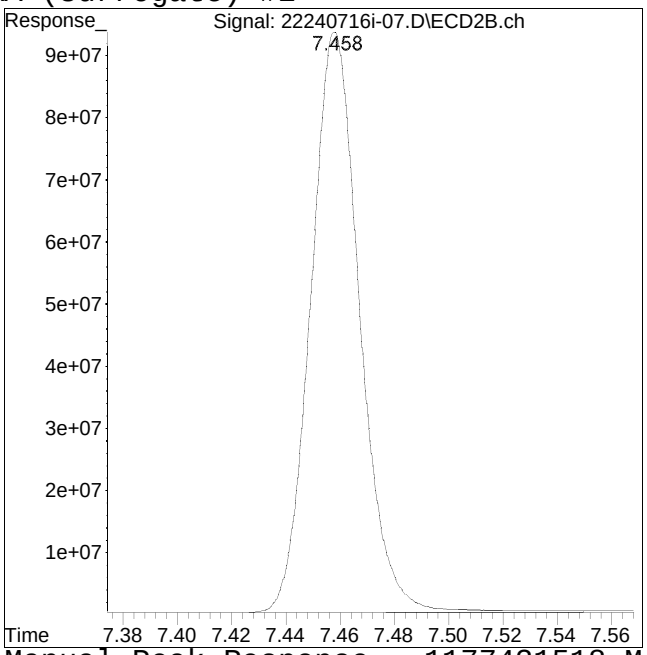
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #16: DCAA (surrogate) #2



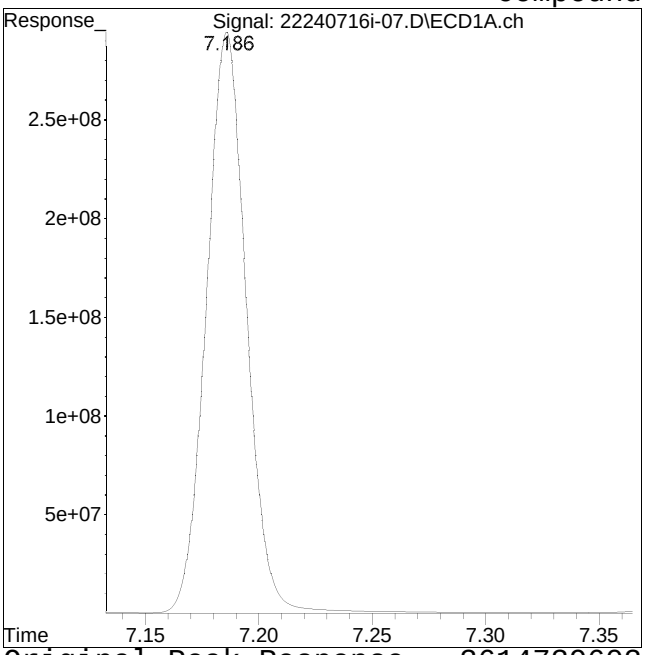


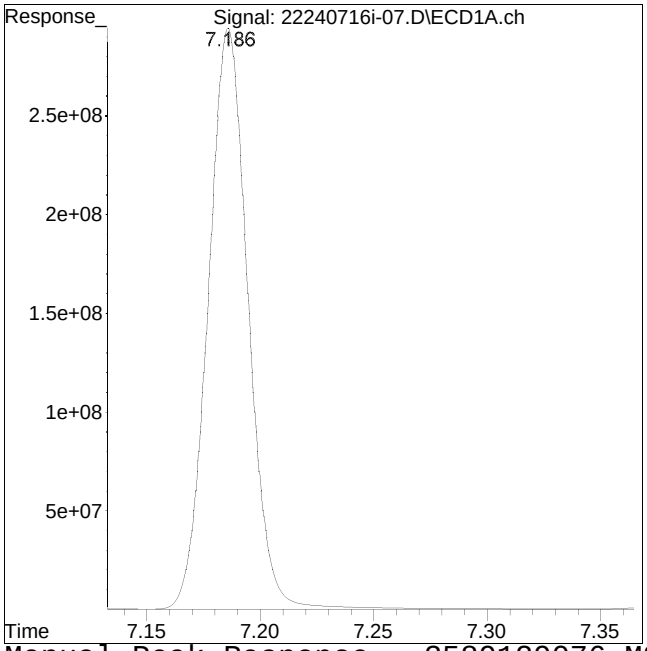
Original Peak Response = 1177908847 Manual Peak Response = 1177431518 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #4: Dicamba



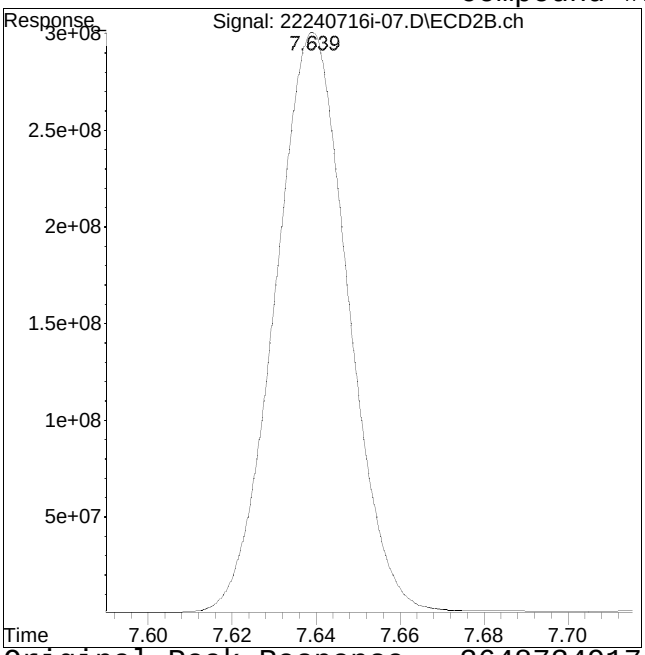


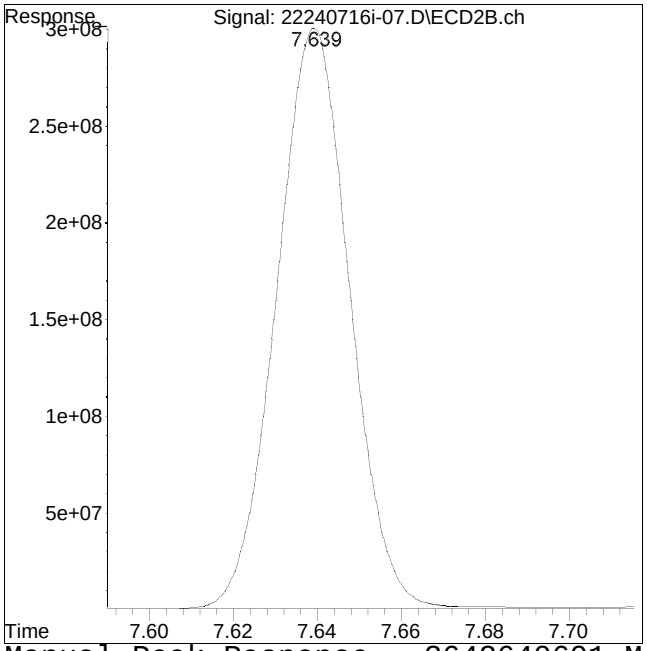
Original Peak Response = 3614739603 Manual Peak Response = 3589129076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #17: Dicamba #2



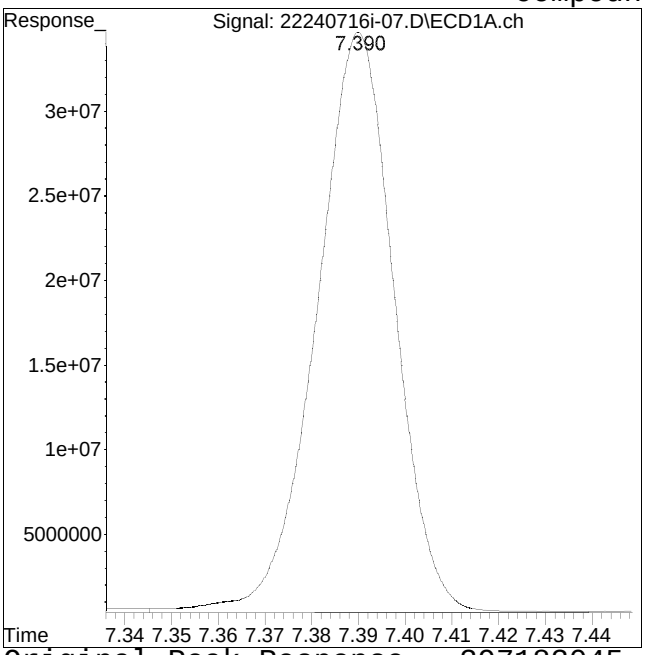


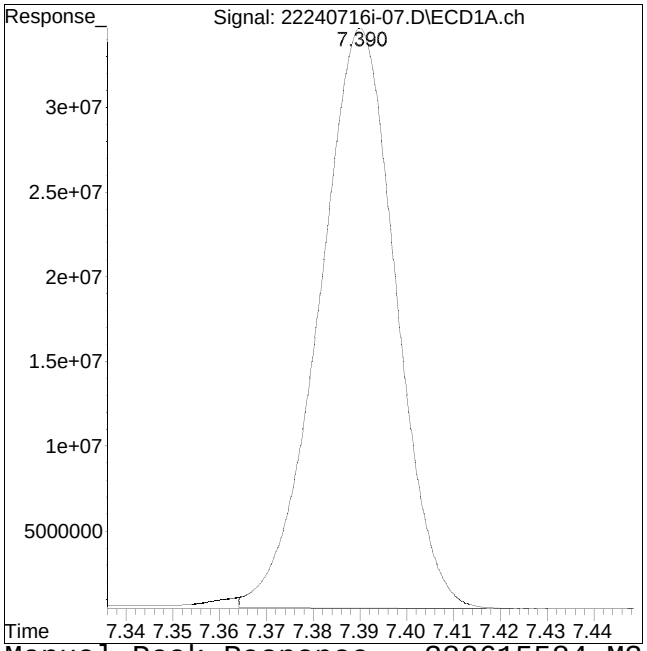
Original Peak Response = 3648734917 Manual Peak Response = 3642640601 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #5: MCPP



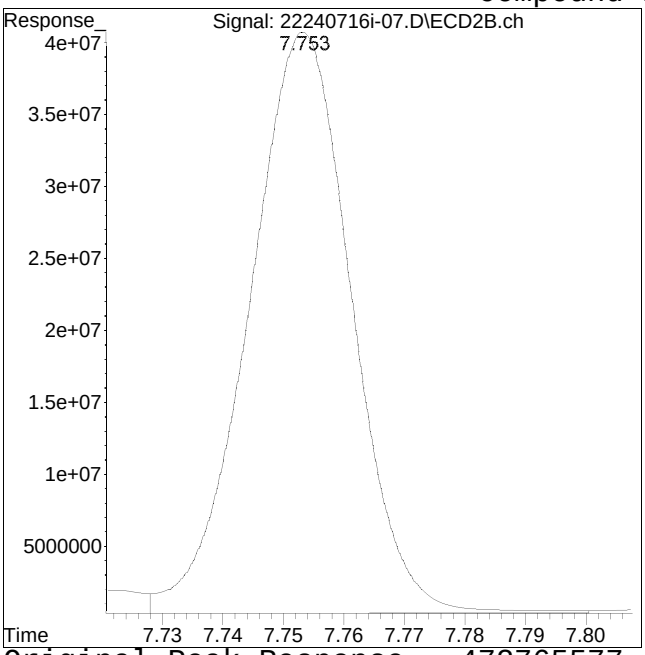


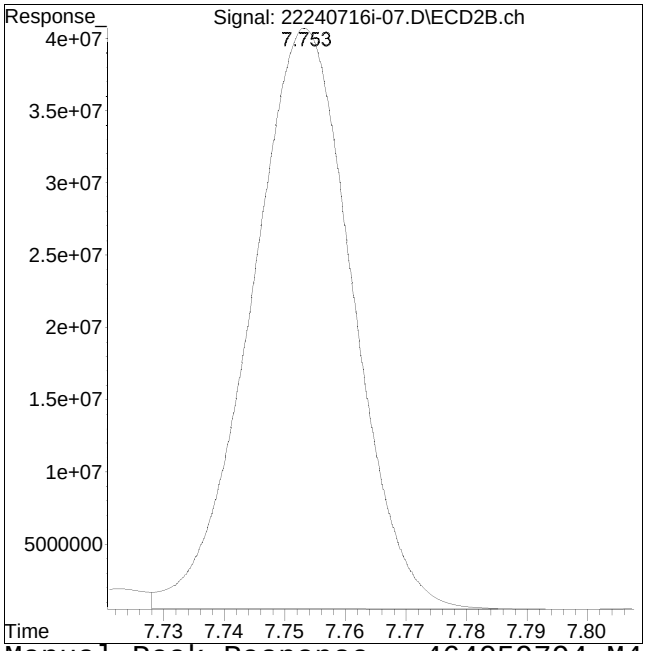
Original Peak Response = 397183045 Manual Peak Response = 388615584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #18: MCPP #2





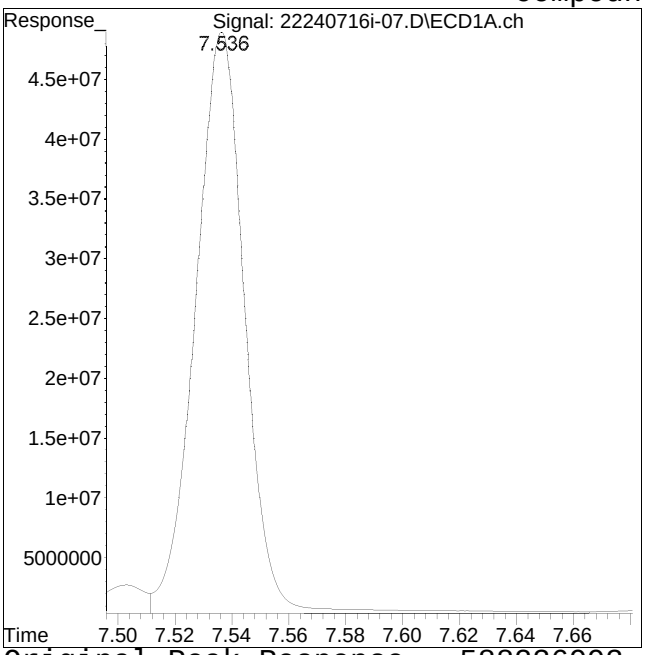
Original Peak Response = 472765577 Manual Peak Response = 464059794 M4
M4 = Poor automated baseline construction.

Manual Integration Report

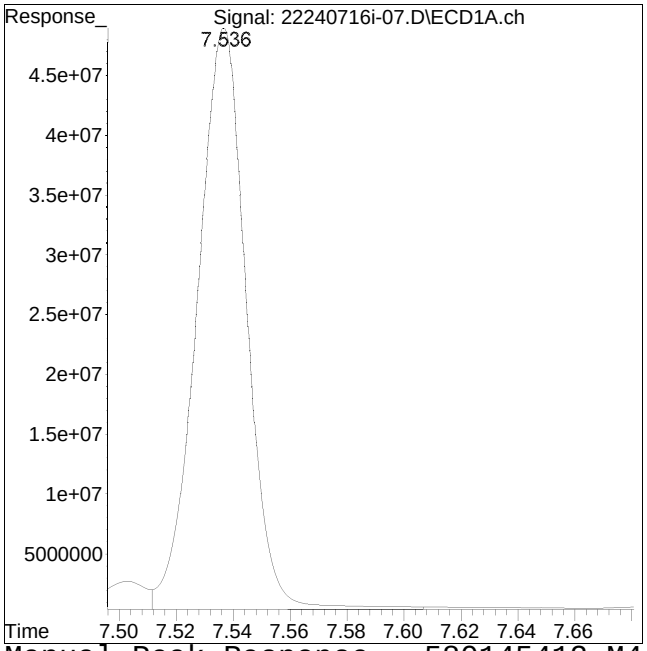
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #6: MCPA



Original Peak Response = 588236993



Manual Peak Response = 580145412 M4

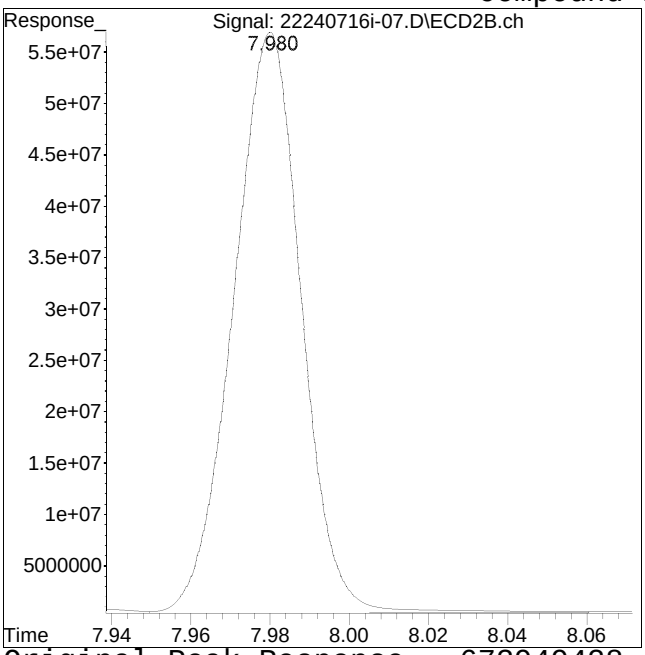
M4 = Poor automated baseline construction.

Manual Integration Report

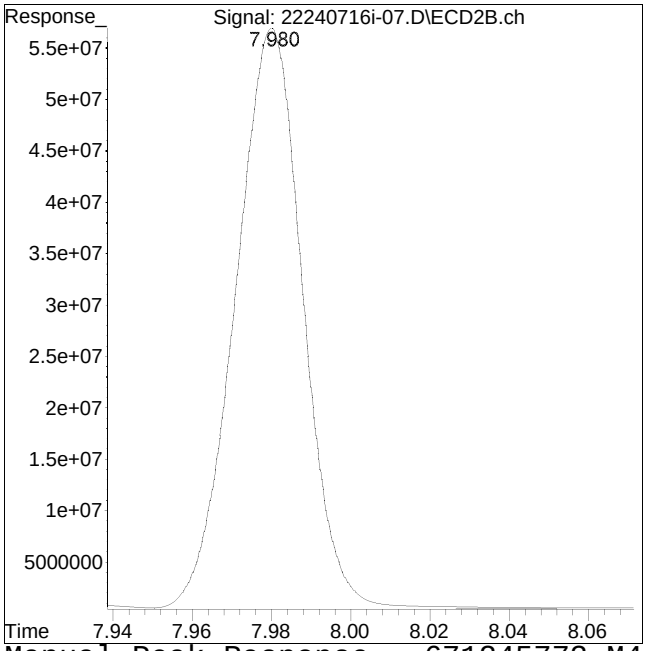
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #19: MCPA #2



Original Peak Response = 673949428



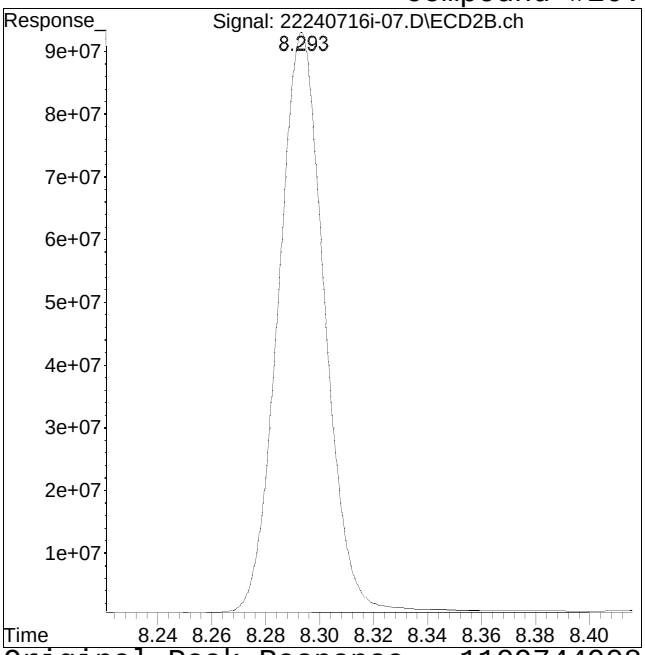
Manual Peak Response = 671245773 M4

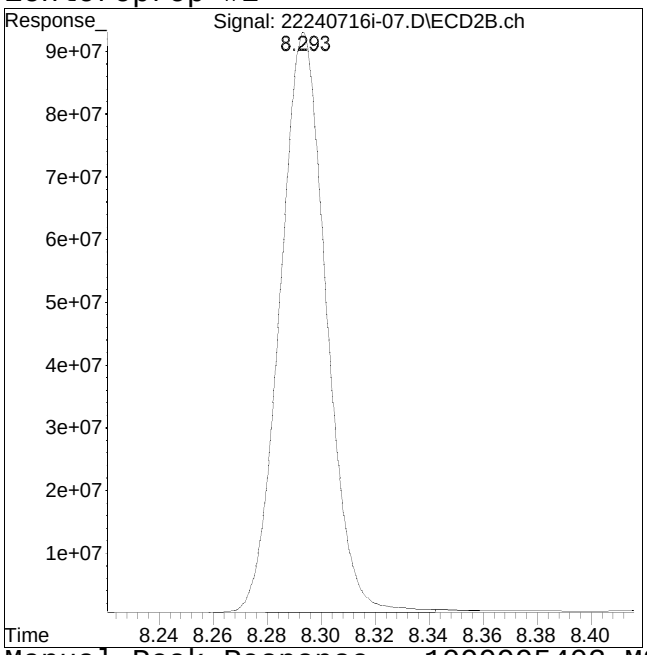
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #20: Dichloroprop #2



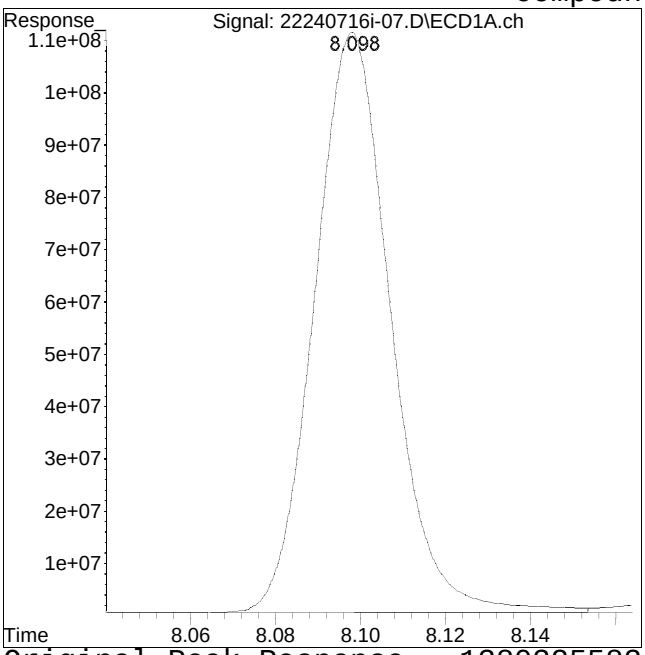


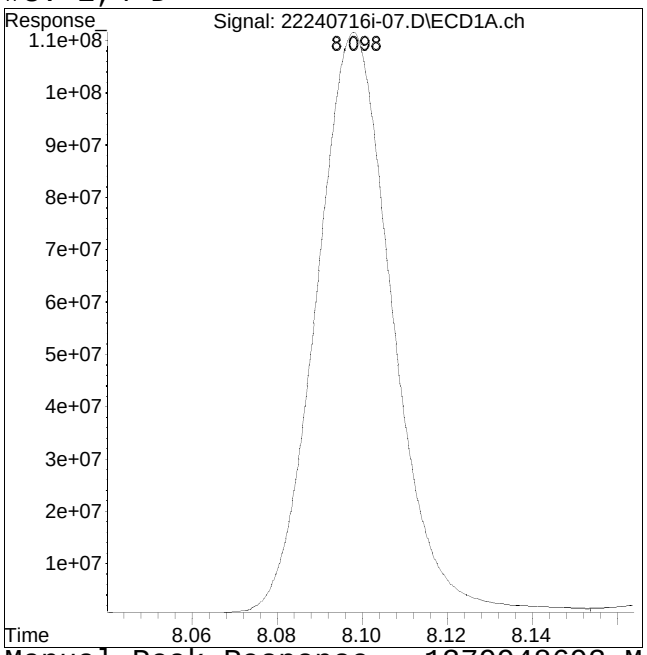
Original Peak Response = 1109744908 Manual Peak Response = 1099995403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #8: 2,4-D



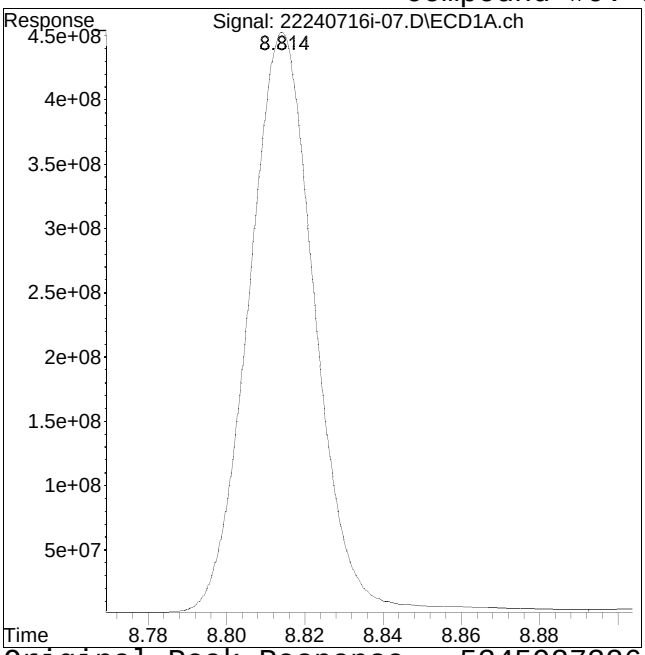


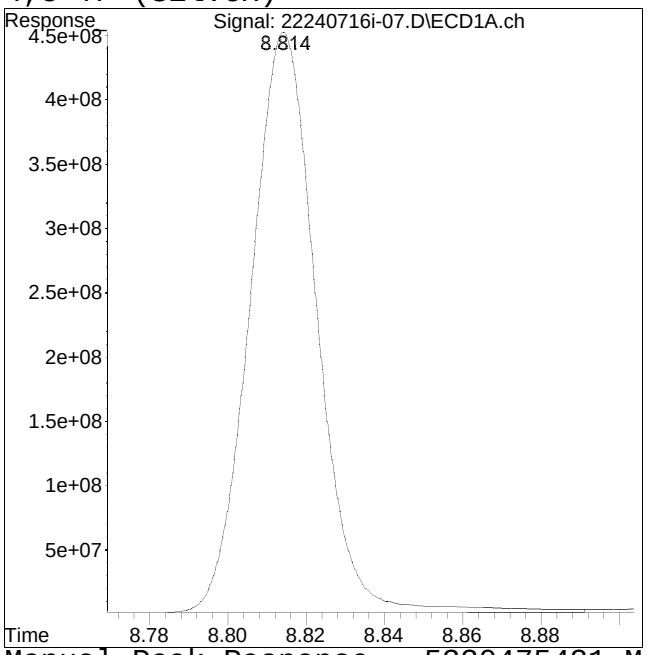
Original Peak Response = 1380325583 Manual Peak Response = 1379948693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #9: 2,4,5-TP (Silvex)



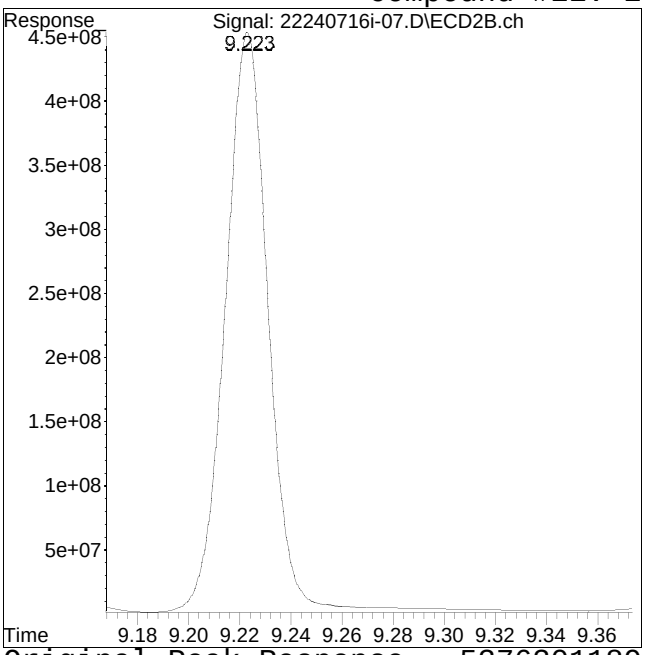


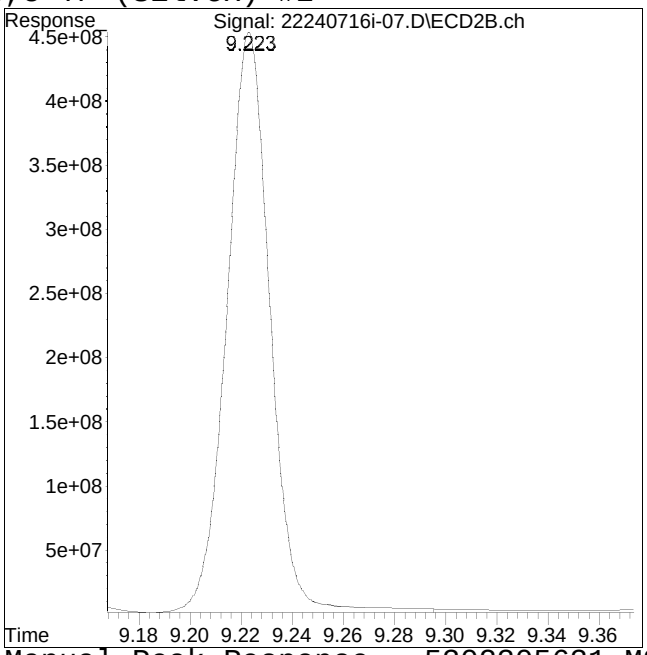
Original Peak Response = 5345927326 Manual Peak Response = 5330475431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #22: 2,4,5-TP (Silvex) #2



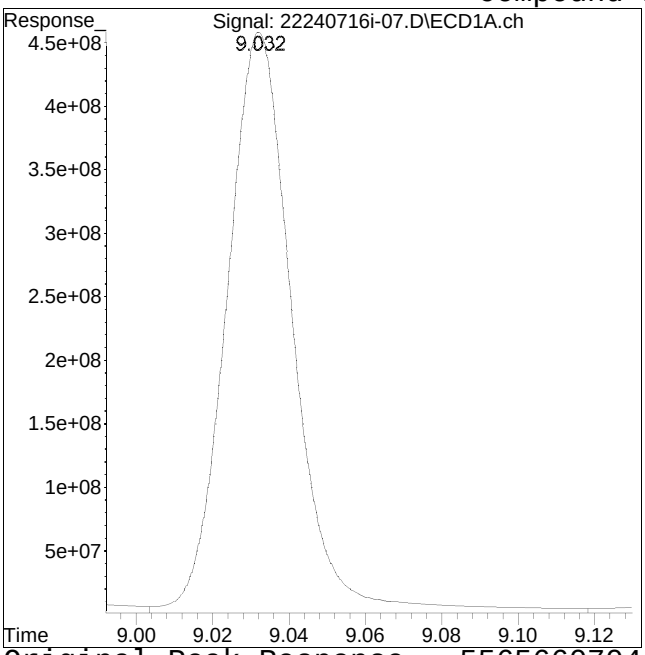


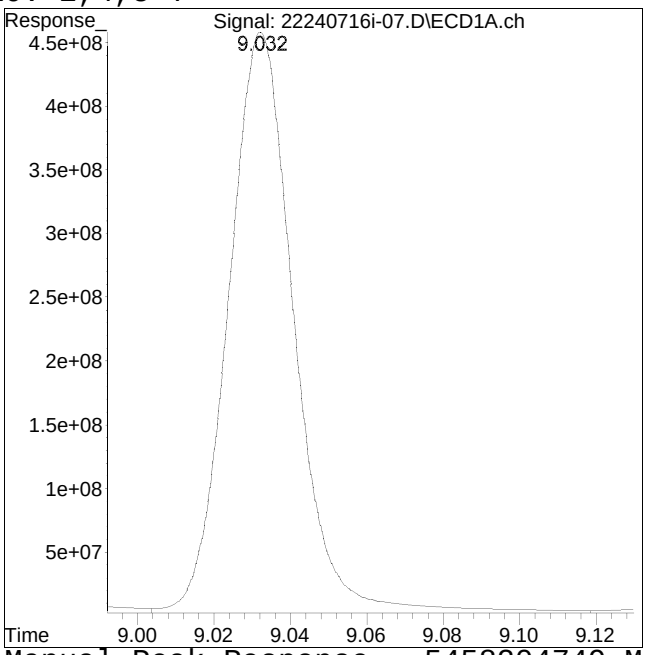
Original Peak Response = 5376301189 Manual Peak Response = 5302305631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #10: 2,4,5-T



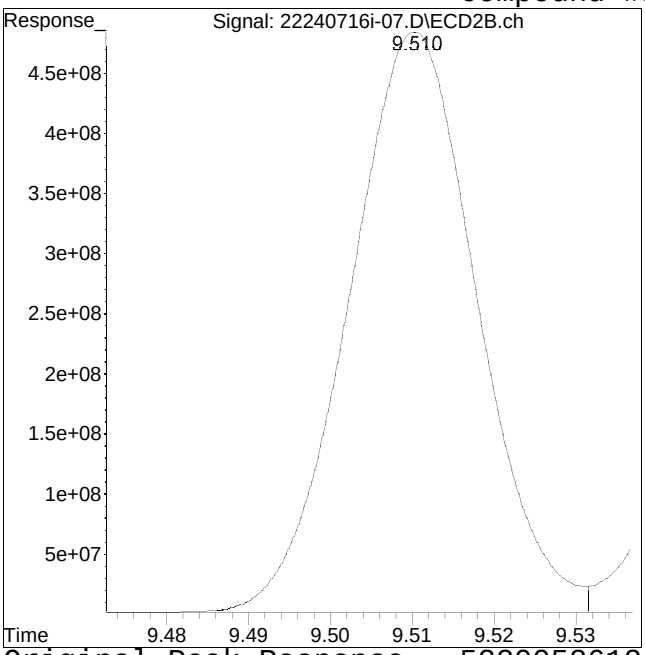


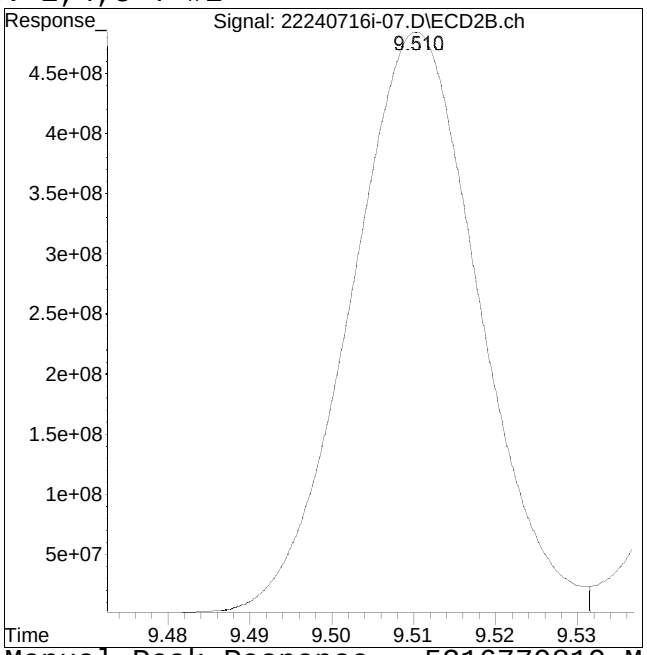
Original Peak Response = 5565660704 Manual Peak Response = 5458204749 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #23: 2,4,5-T #2



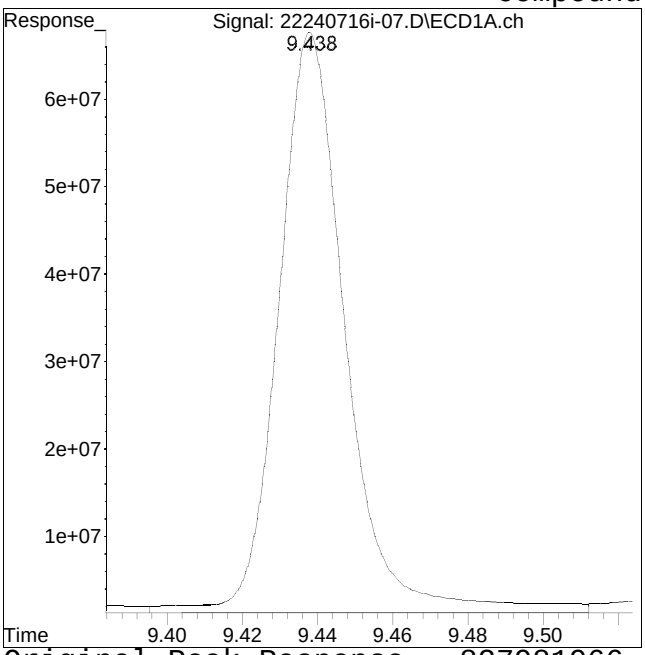


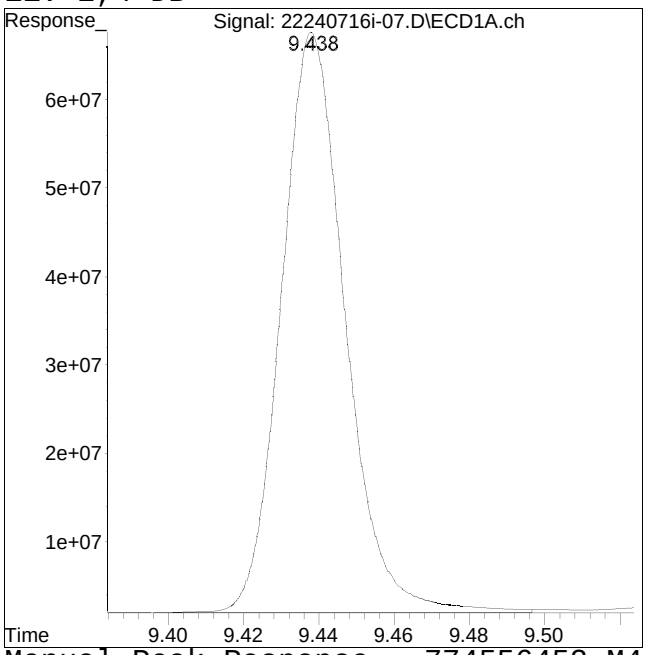
Original Peak Response = 5220052612 Manual Peak Response = 5216779819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #11: 2,4-DB



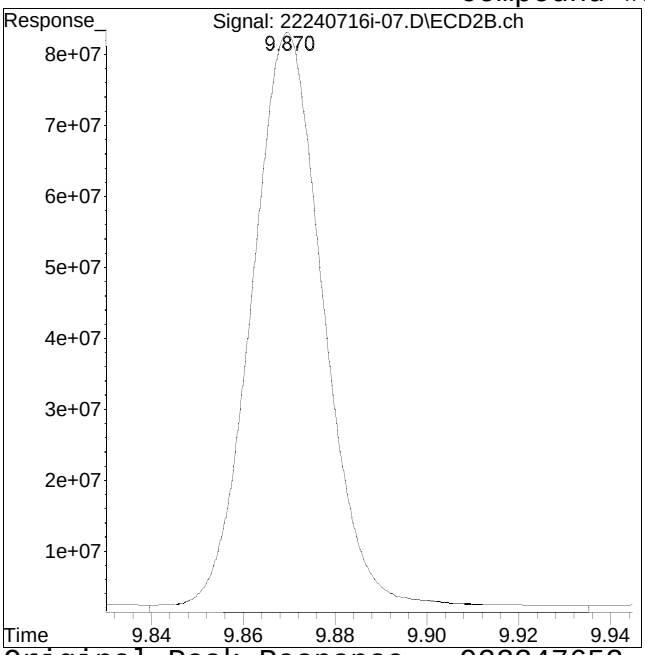


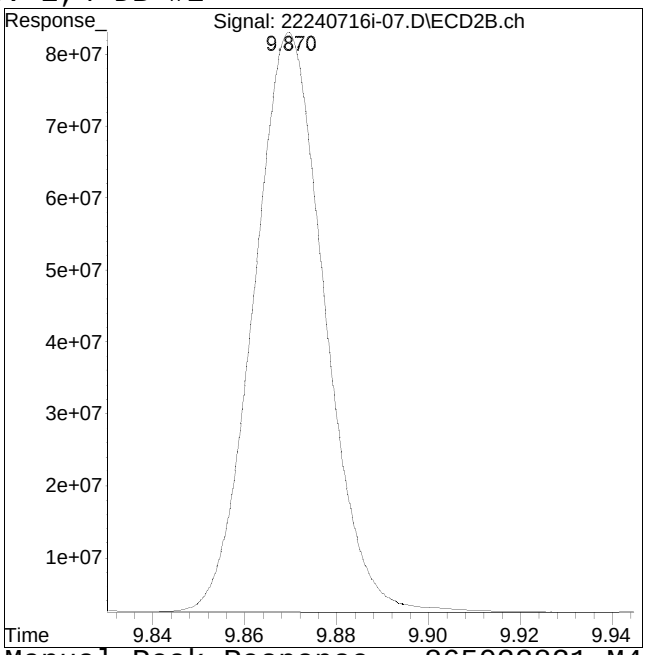
Original Peak Response = 827981966 Manual Peak Response = 774556452 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #24: 2,4-DB #2



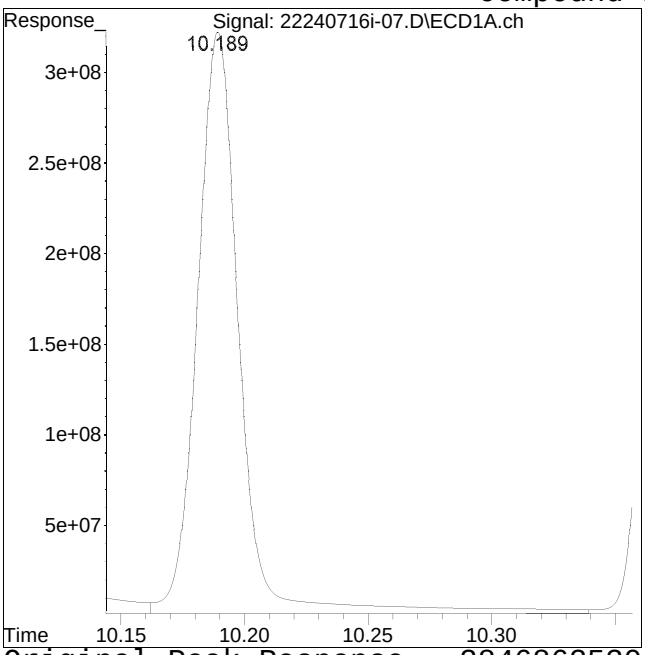


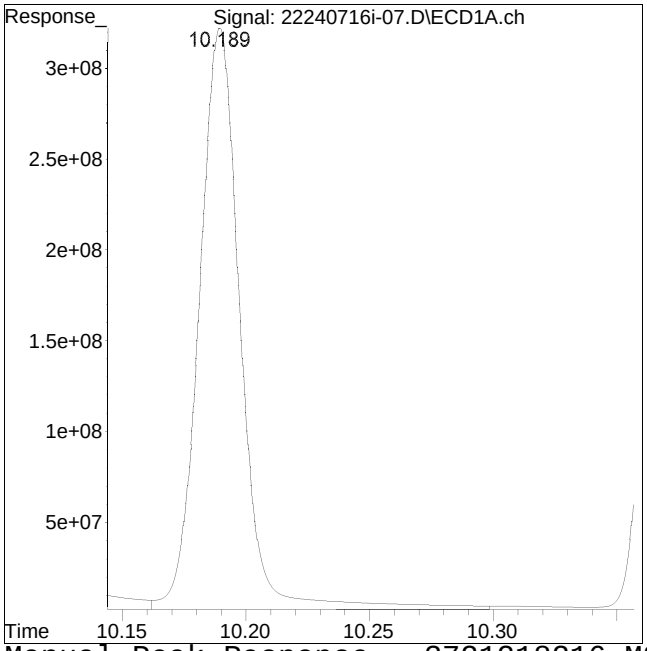
Original Peak Response = 922347652 Manual Peak Response = 865033821 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #12: Dinoseb



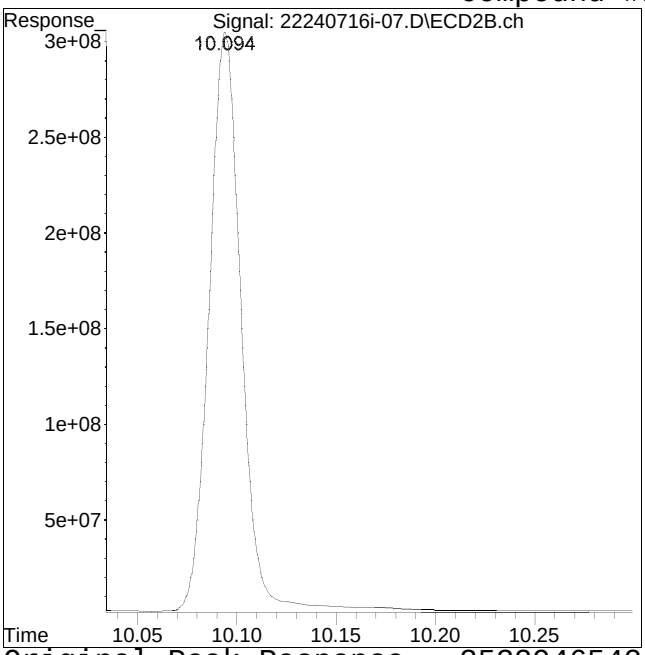


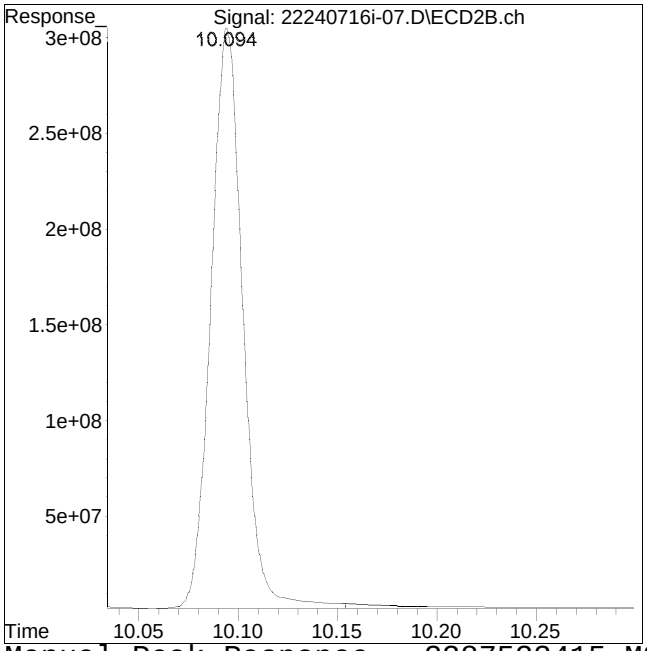
Original Peak Response = 3846863530 Manual Peak Response = 3721218216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #25: Dinoseb #2





Original Peak Response = 3532946542 Manual Peak Response = 3387533415 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.156	14.3	77	0.00
3	s	DCAA (surrogate)		0.194	0.188	3.1	91	0.00
4	t	Dicamba		0.564	0.550	2.5	93	0.00
5	t	MCPP		0.00044	0.00046	-4.5	100	0.00
6	t	MCPA		0.00086	0.00084	2.3	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	101	0.00
8	t	2,4-D		0.217	0.213	1.8	94	0.00
9	t	2,4,5-TP (Silvex)		0.806	0.789	2.1	94	0.00
10	t	2,4,5-T		0.811	0.827	-2.0	98	0.00
11	t	2,4-DB		0.118	0.117	0.8	94	0.00
12	t	Dinoseb		0.581	0.592	-1.9	98	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.171	6.0	88	0.00
3	s	DCAA (surrogate)		0.194	0.196	-1.0	96	0.00
4	t	Dicamba		0.570	0.566	0.7	94	0.00
5	t	MCPP		0.00058	0.00059	-1.7	97	0.00
6	t	MCPA		0.00106	0.00103	2.8	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	100	0.00
8	t	2,4-D	*	0.188	0.190	-1.1	95	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.788	3.2	93	0.00
10	t	2,4,5-T		0.774	0.760	1.8	95	0.00
11	t	2,4-DB		0.131	0.126	3.8	94	0.00
12	t	Dinoseb		0.525	0.536	-2.1	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	956.3E6	963.2E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.005	7.458	135.5E6	142.3E6	0.183M4	0.190M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	36.60%	38.00%
		Target Compounds						
2)	t	Dalapon	2.413	2.402	133.3E6	141.8E6	0.156M3	0.171M3
4)	t	Dicamba	7.186	7.639	395.9E6	409.7E6	0.183M3	0.187M3
5)	t	MCPP	7.388	7.750	32737545	42475192	19.237	18.848M4
6)	t	MCPA	7.533	7.976	59782422	73826721	18.167M4	18.162M4
7)	t	Dichloroprop	7.890	8.293	136.4E6	137.9E6	0.198M3	0.199M4
8)	t	2,4-D	8.104	8.566	153.2E6	179.4E6	0.185M4	0.190M3
9)	t	2,4,5-TP (Si	8.816	9.223	573.1E6	576.9E6	0.186M4	0.184M3
10)	t	2,4,5-T	9.037	9.511	601.2E6	556.2E6	0.194M4	0.186
11)	t	2,4-DB	9.444	9.870	85716822	93276437	0.190M4	0.186M4
12)	t	Dinoseb	10.190	10.095	430.0E6	392.1E6	0.193M3	0.194

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

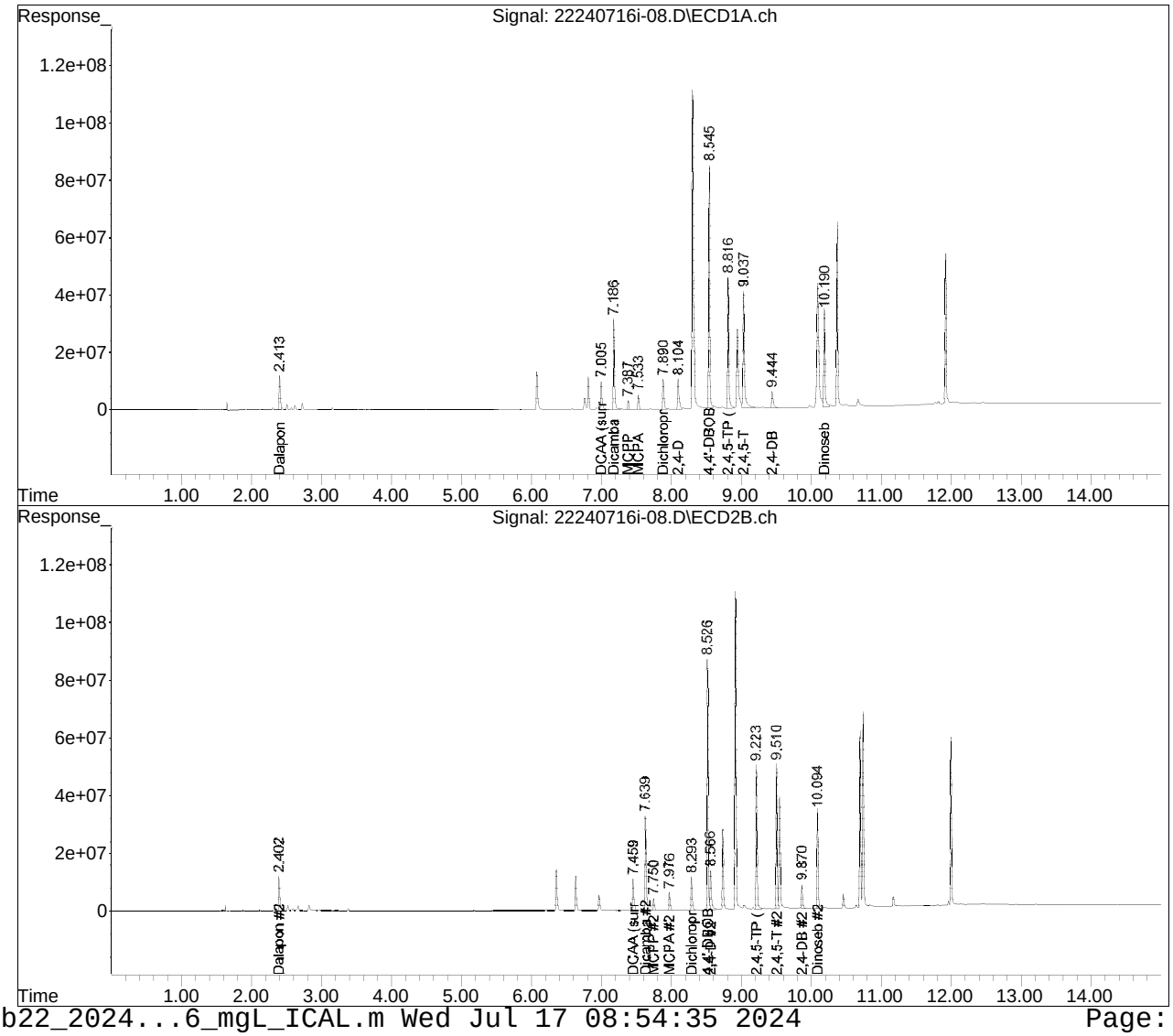
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

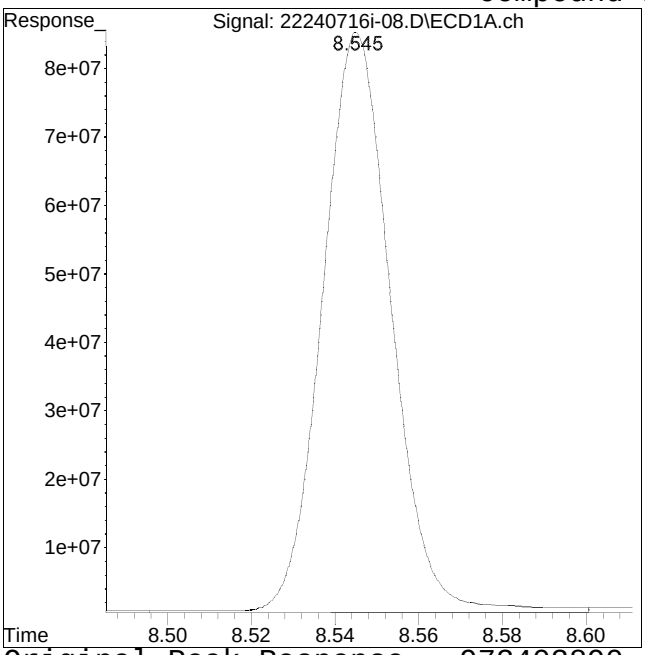
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



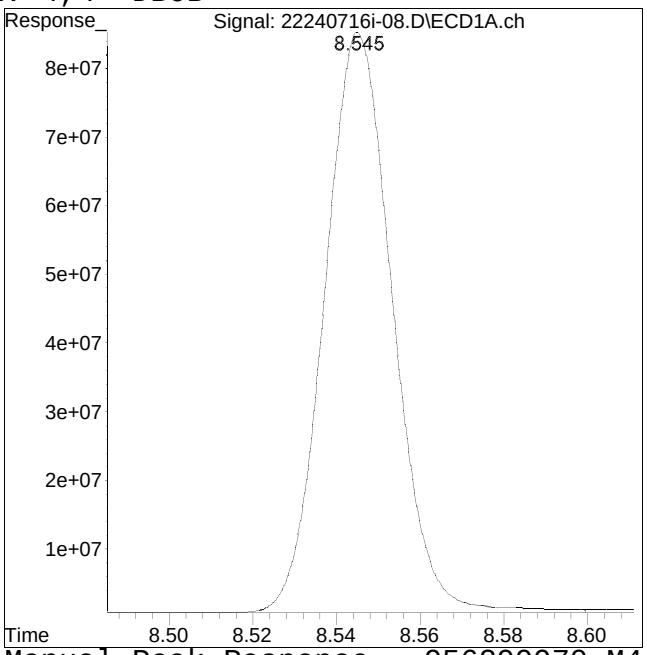
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 973403890



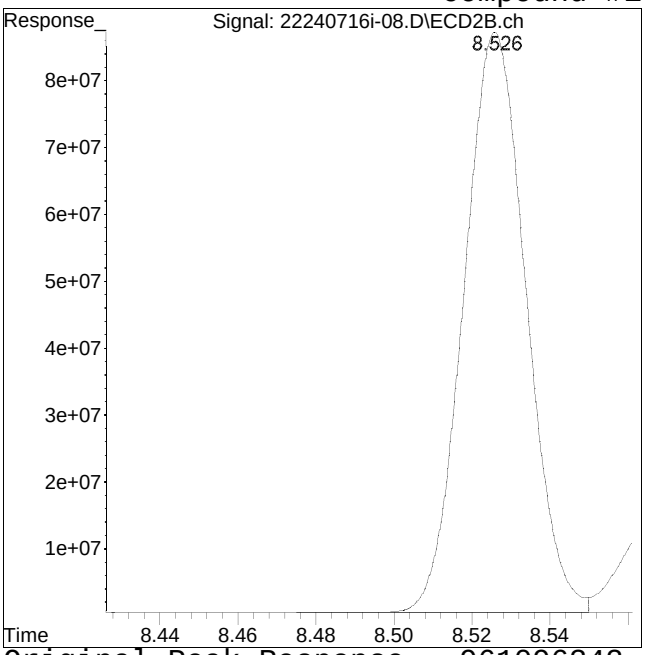
Manual Peak Response = 956299970 M4

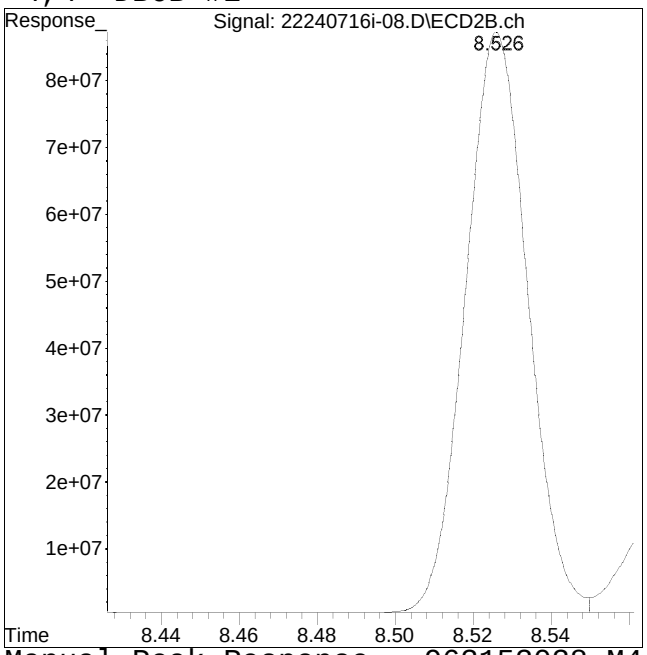
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #14: 4,4'-DBOB #2



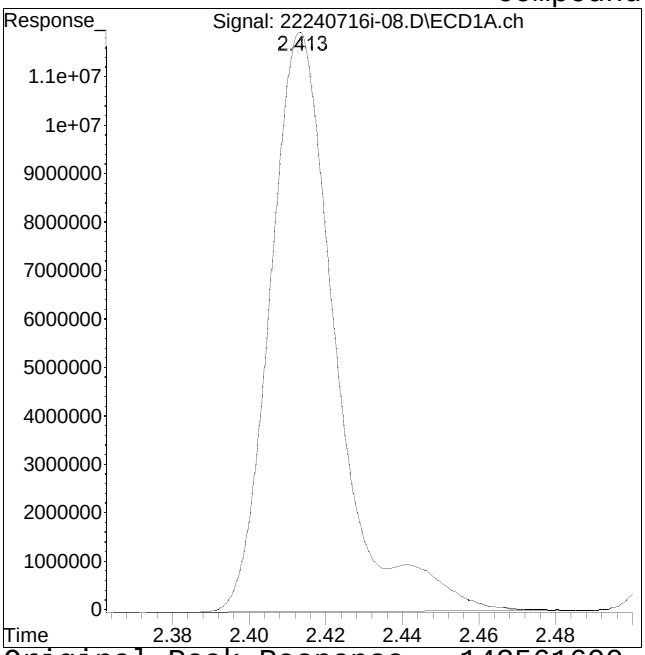


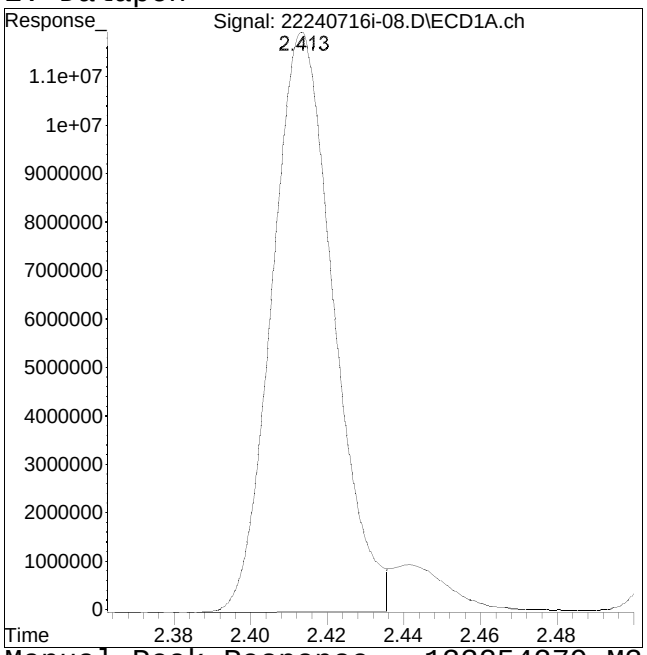
Original Peak Response = 961096342 Manual Peak Response = 963153038 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #2: Dalapon



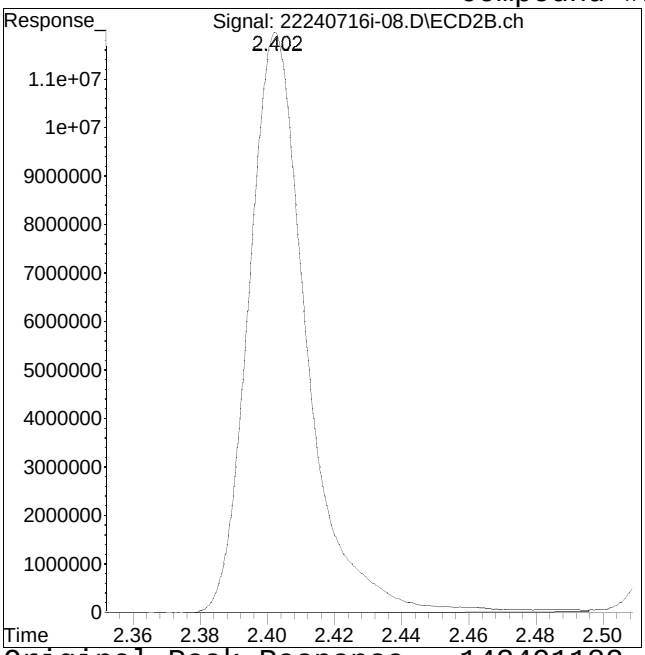


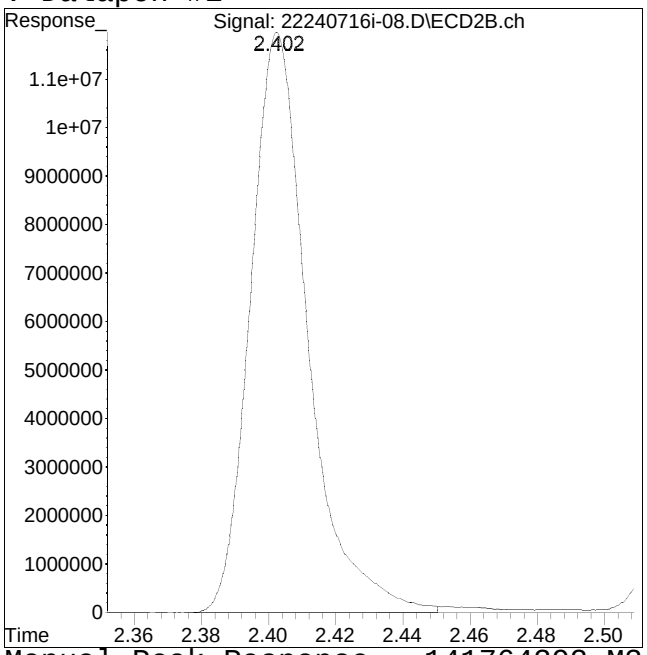
Original Peak Response = 143561600 Manual Peak Response = 133254279 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #15: Dalapon #2



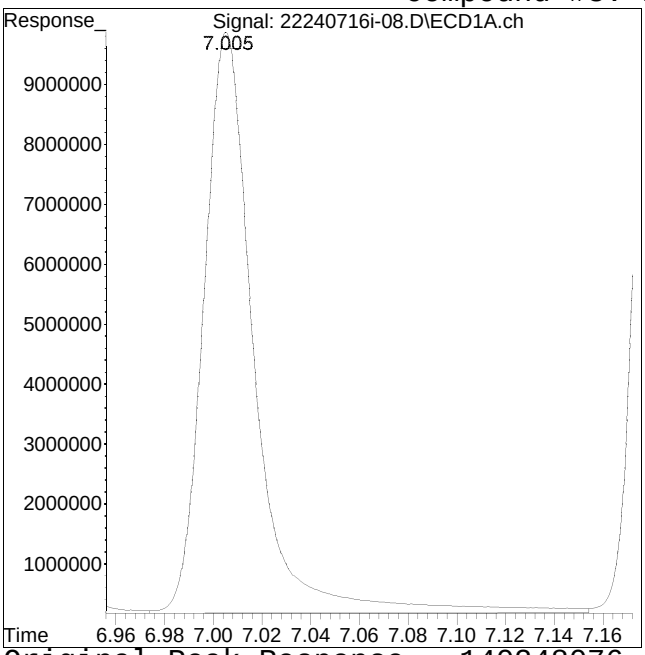


Original Peak Response = 143491182 Manual Peak Response = 141764392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

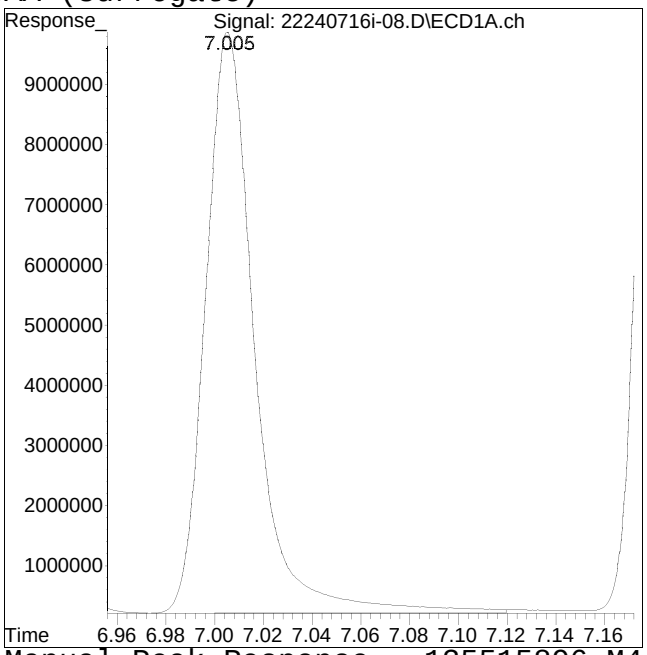
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 140248076



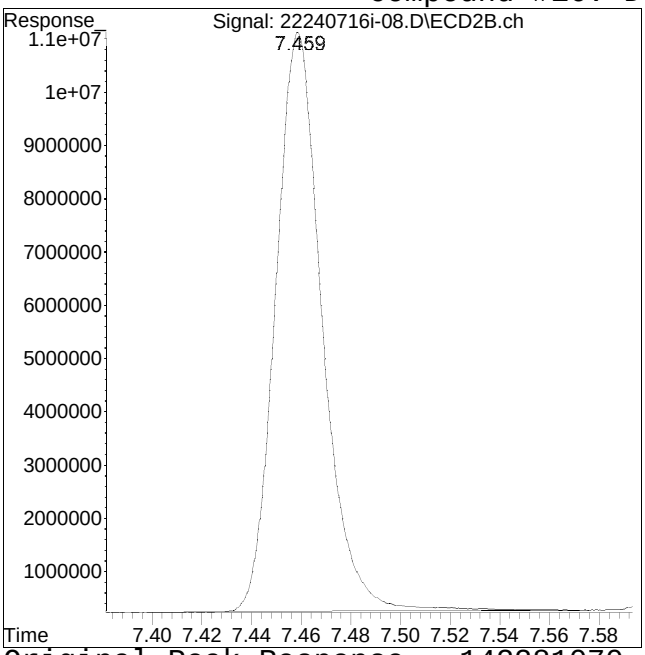
Manual Peak Response = 135515896 M4

M4 = Poor automated baseline construction.

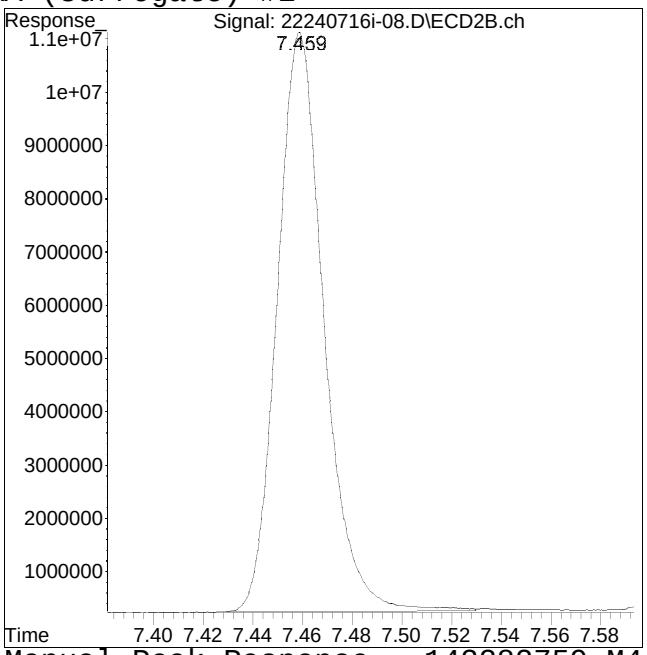
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 142281070



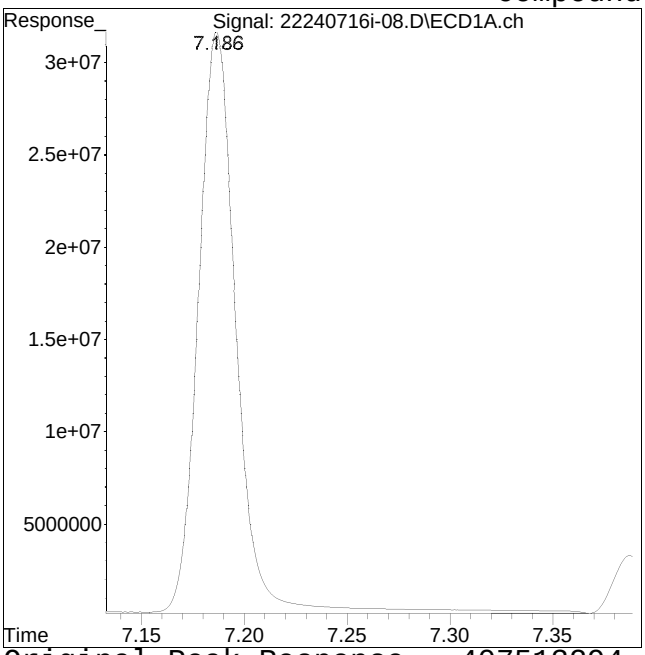
Manual Peak Response = 142282759 M4

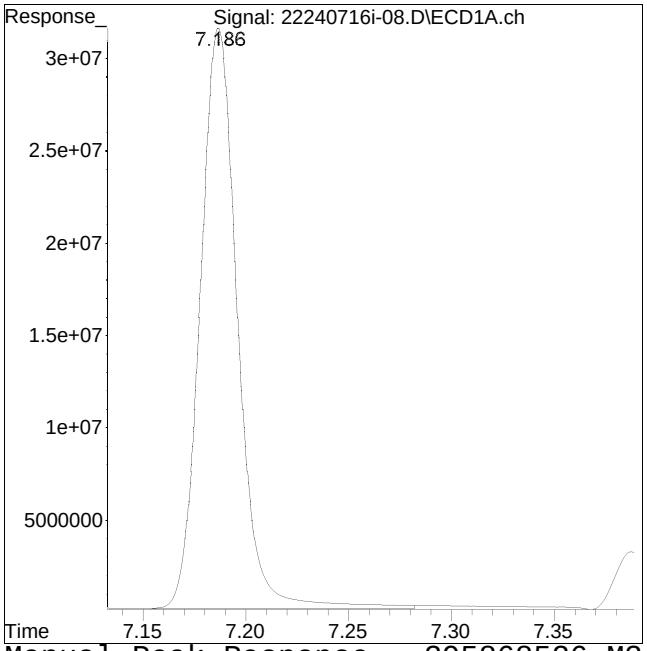
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #4: Dicamba



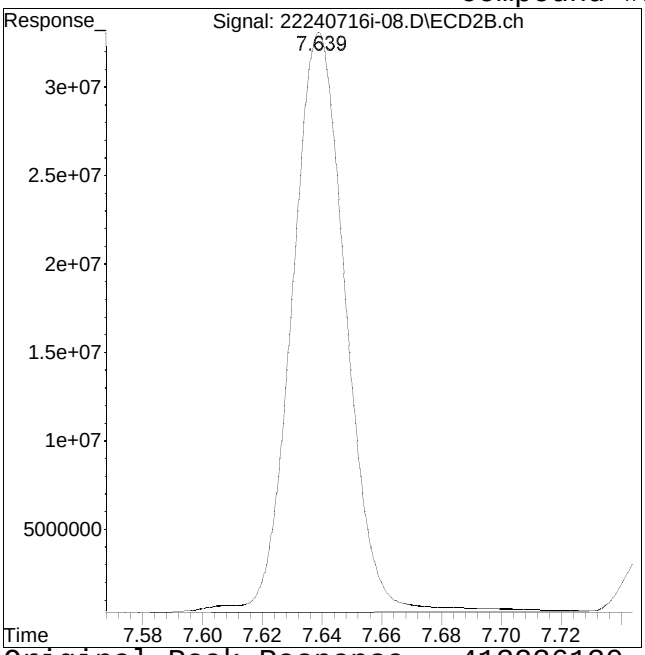


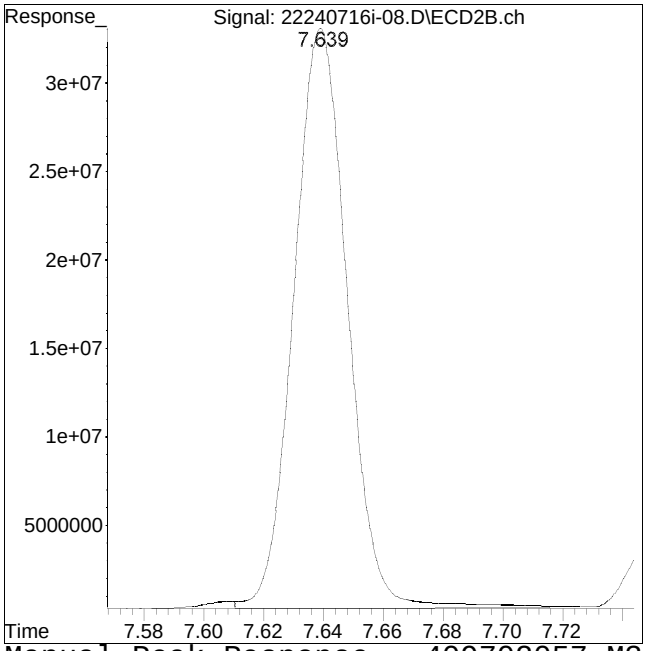
Original Peak Response = 407513294 Manual Peak Response = 395868526 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #17: Dicamba #2



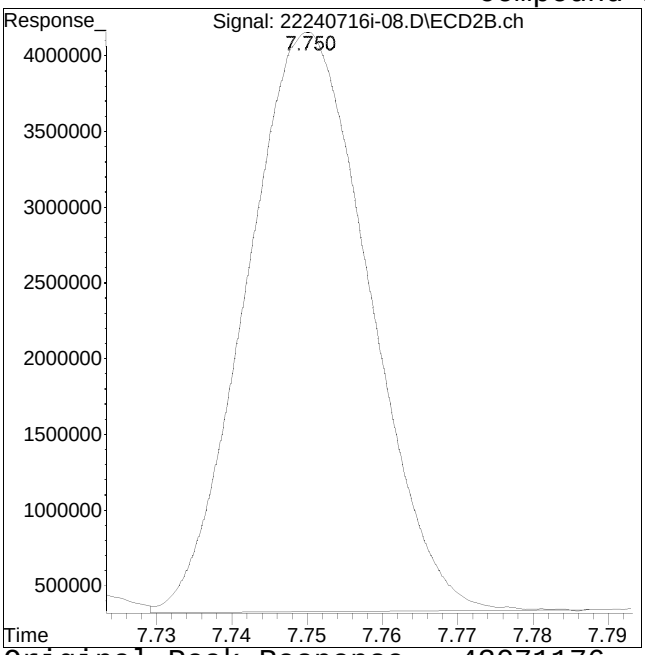


Original Peak Response = 413236130 Manual Peak Response = 409702057 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

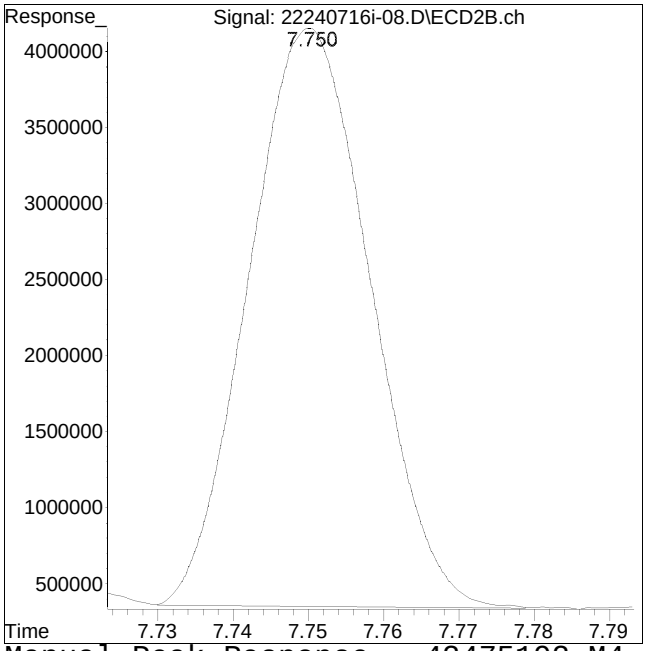
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #18: MCPP #2



Original Peak Response = 43071176



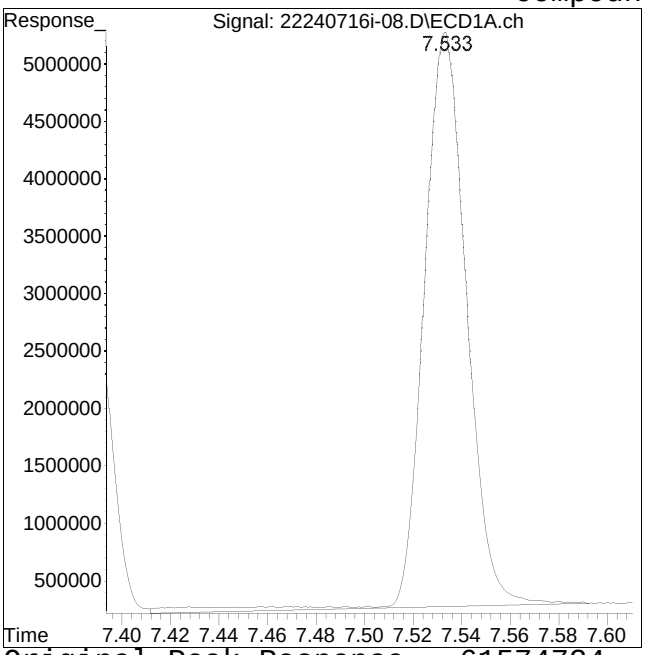
Manual Peak Response = 42475192 M4

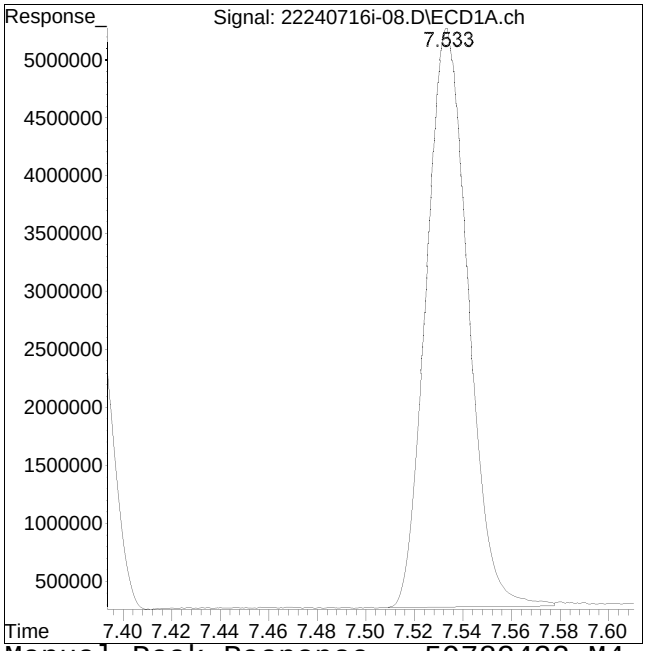
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #6: MCPA



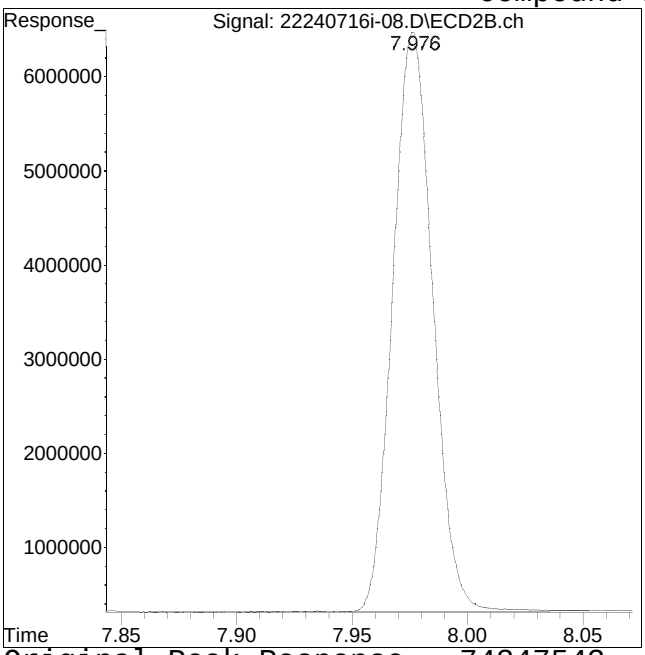


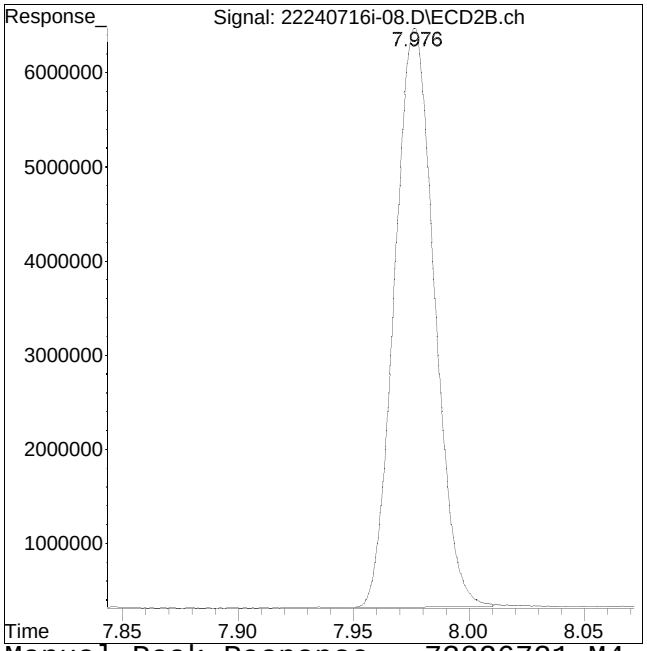
Original Peak Response = 61574734 Manual Peak Response = 59782422 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #19: MCPA #2



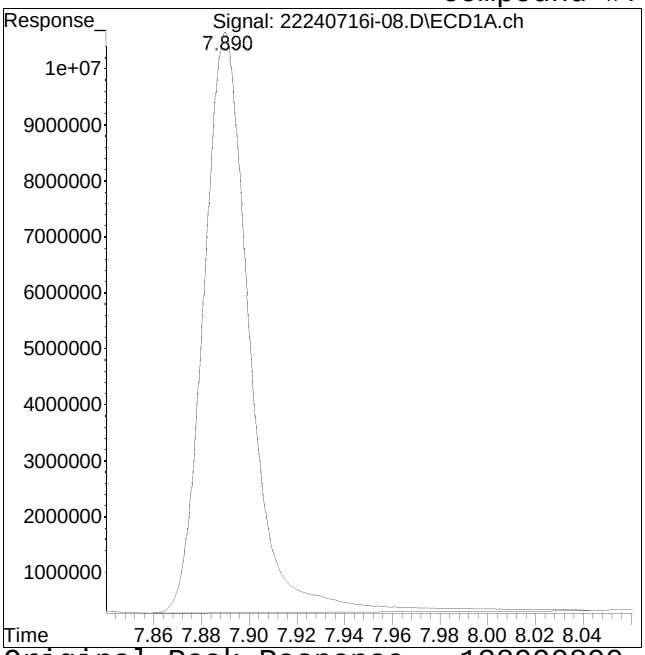


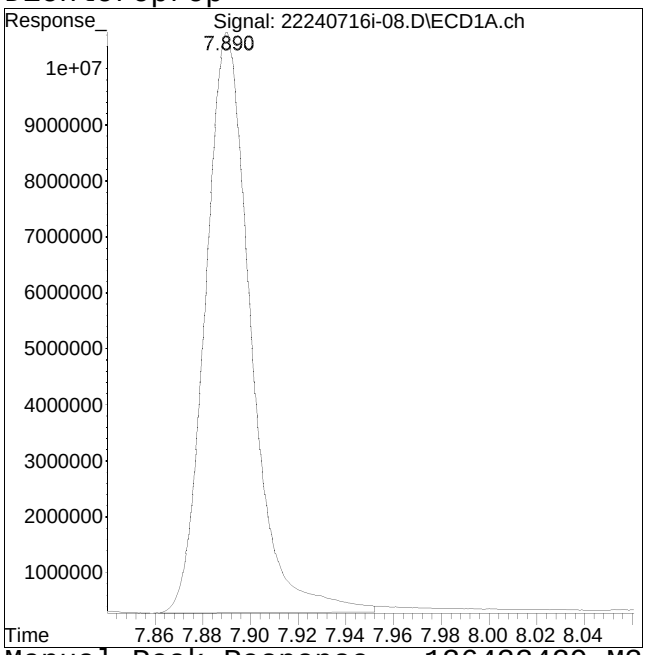
Original Peak Response = 74347543 Manual Peak Response = 73826721 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #7: Dichloroprop



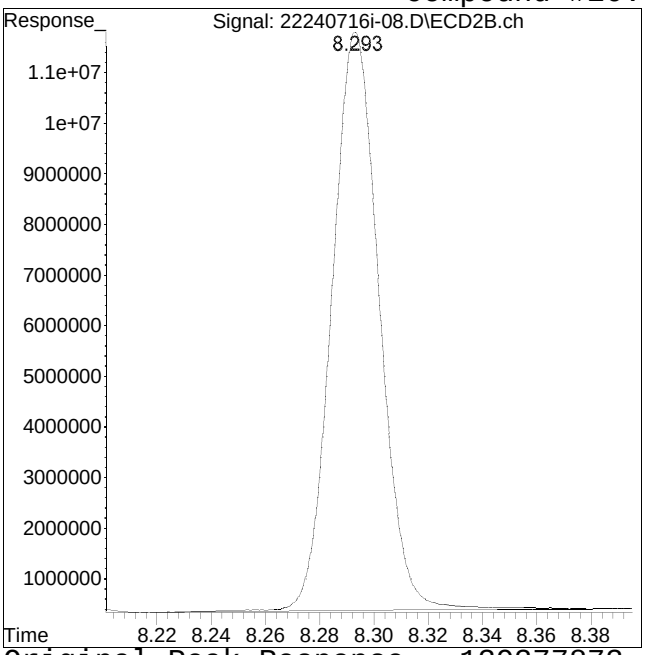


Original Peak Response = 138990800 Manual Peak Response = 136433429 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

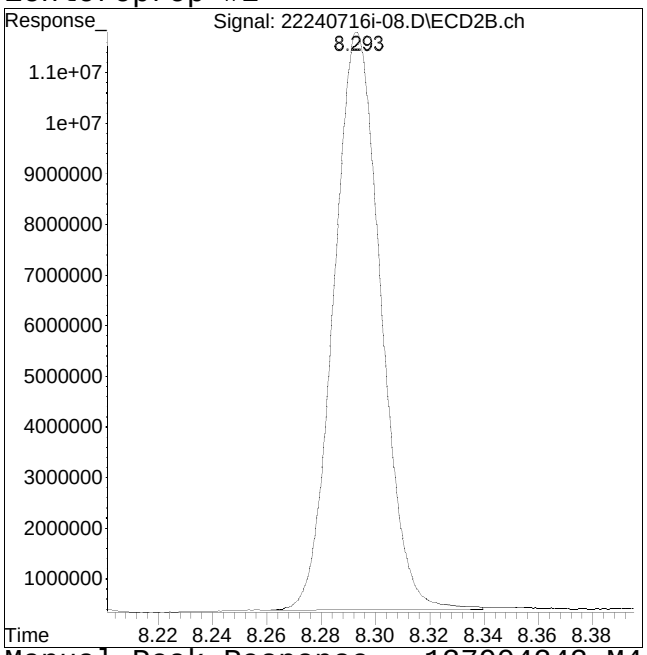
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #20: Dichloroprop #2



Original Peak Response = 139377873

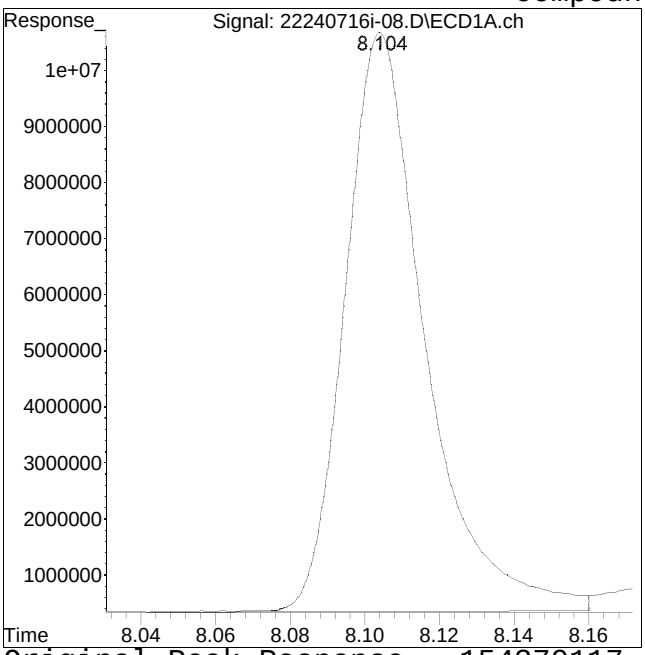


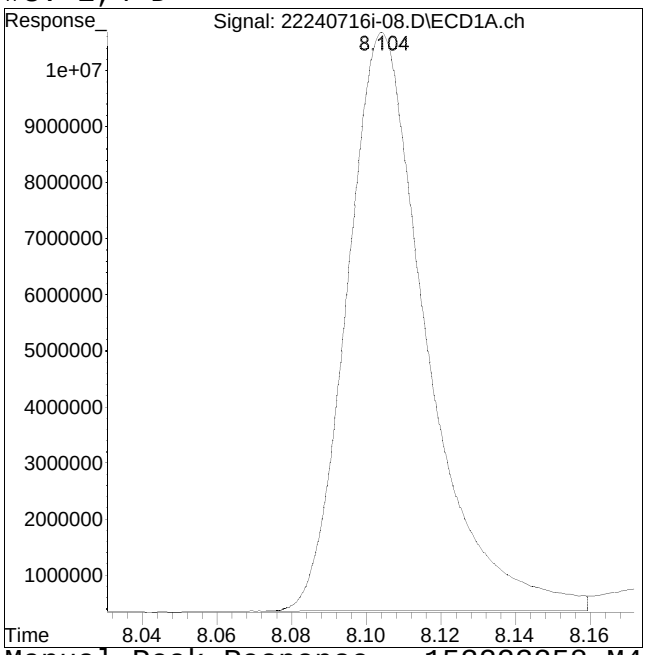
Manual Peak Response = 137904242 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #8: 2,4-D



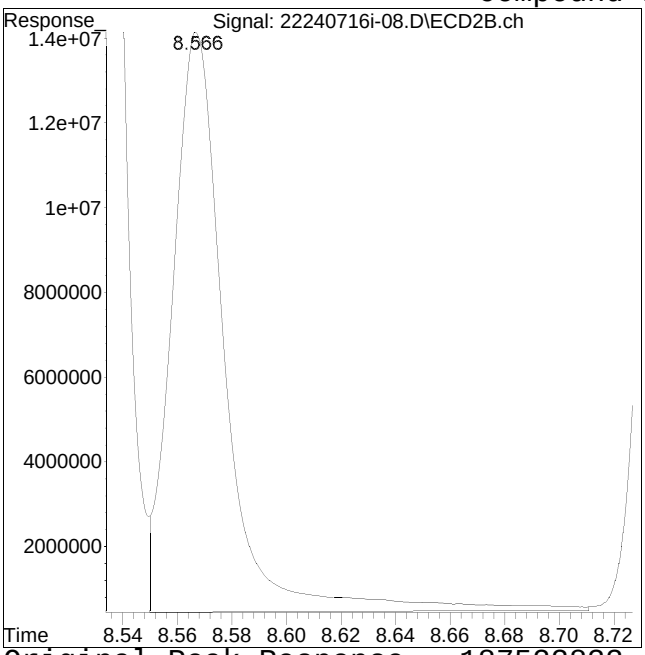


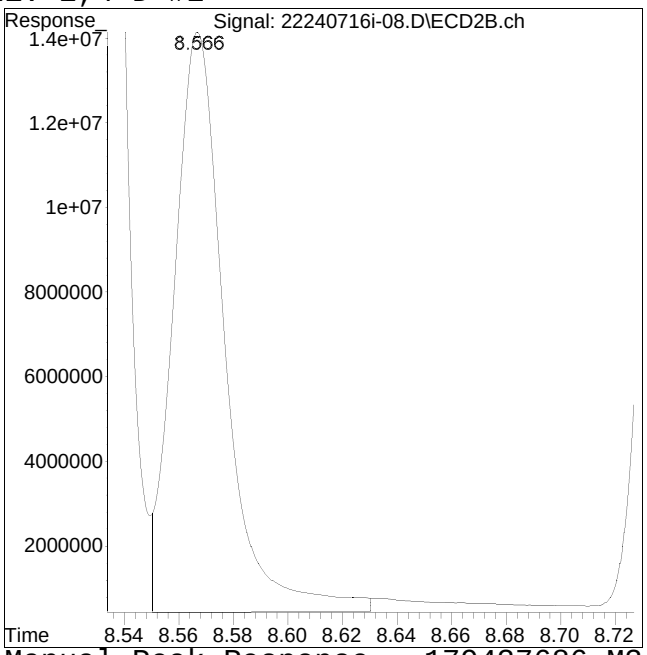
Original Peak Response = 154370117 Manual Peak Response = 153223258 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #21: 2,4-D #2



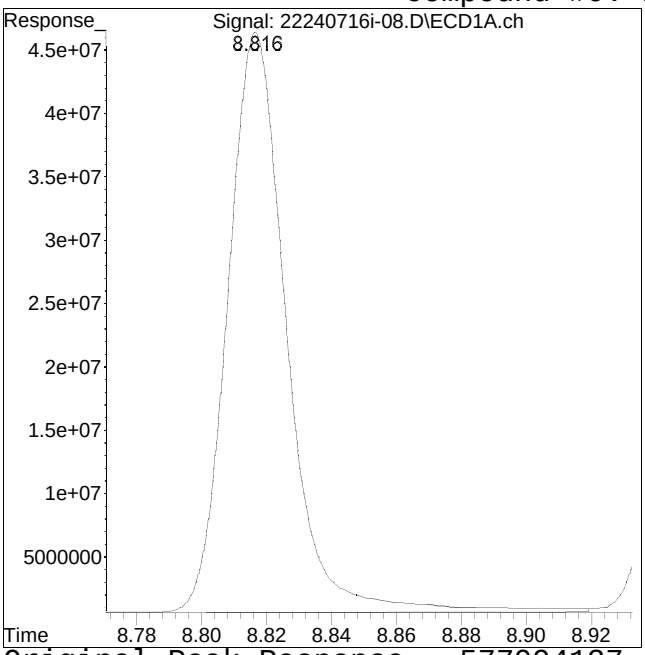


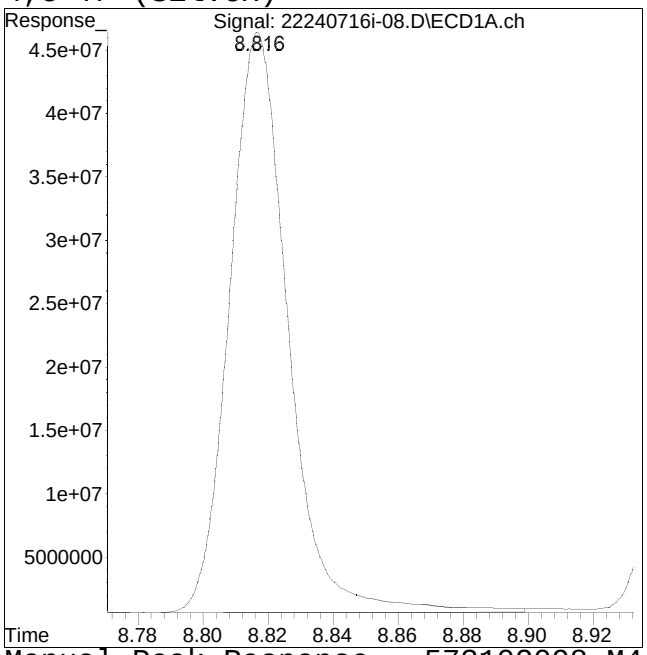
Original Peak Response = 187522833 Manual Peak Response = 179437686 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #9: 2,4,5-TP (Silvex)



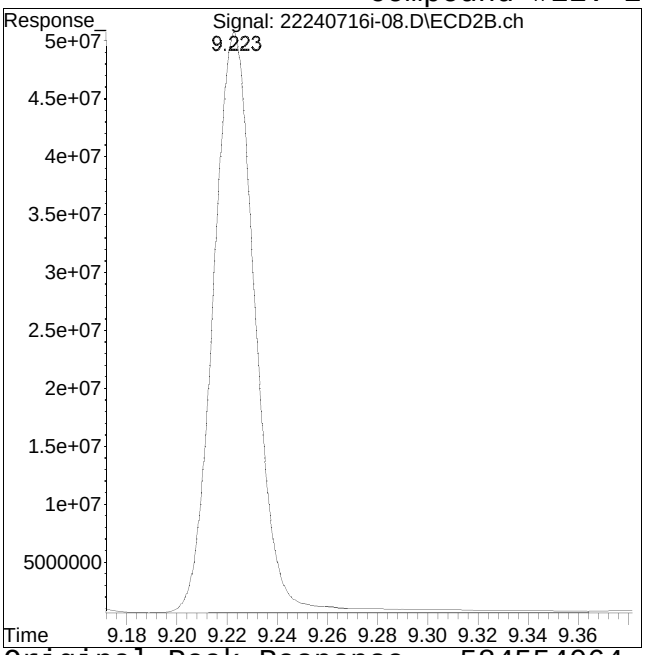


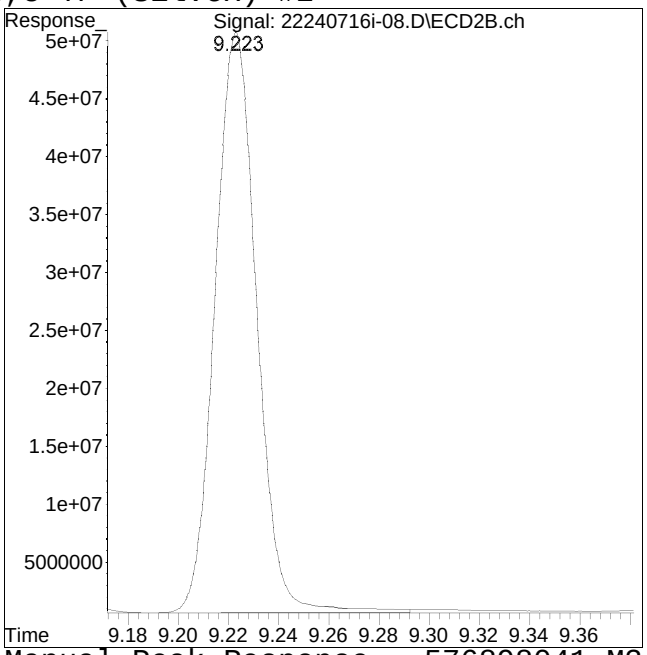
Original Peak Response = 577994137 Manual Peak Response = 573102098 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #22: 2,4,5-TP (Silvex) #2



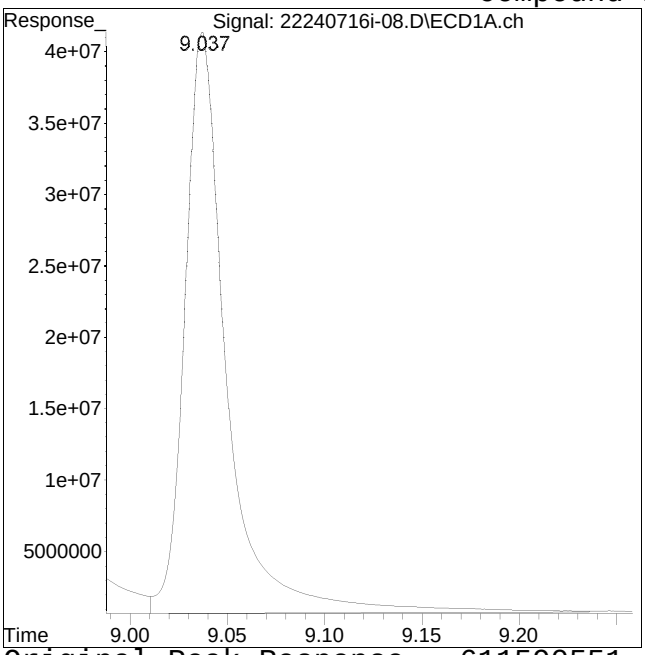


Original Peak Response = 584554064 Manual Peak Response = 576898041 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

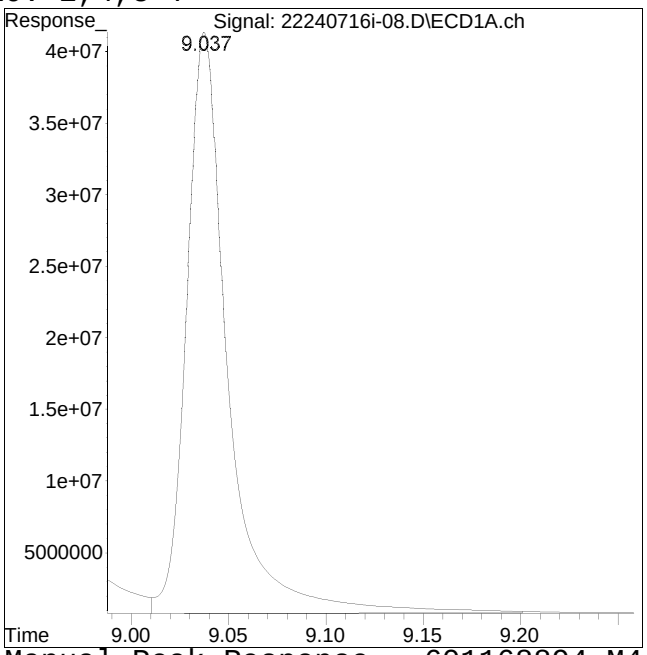
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #10: 2,4,5-T



Original Peak Response = 611590551



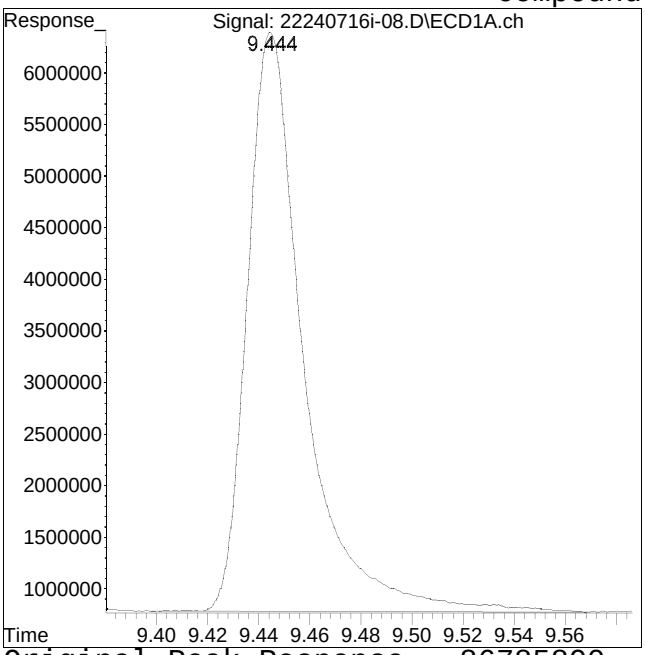
Manual Peak Response = 601168894 M4

M4 = Poor automated baseline construction.

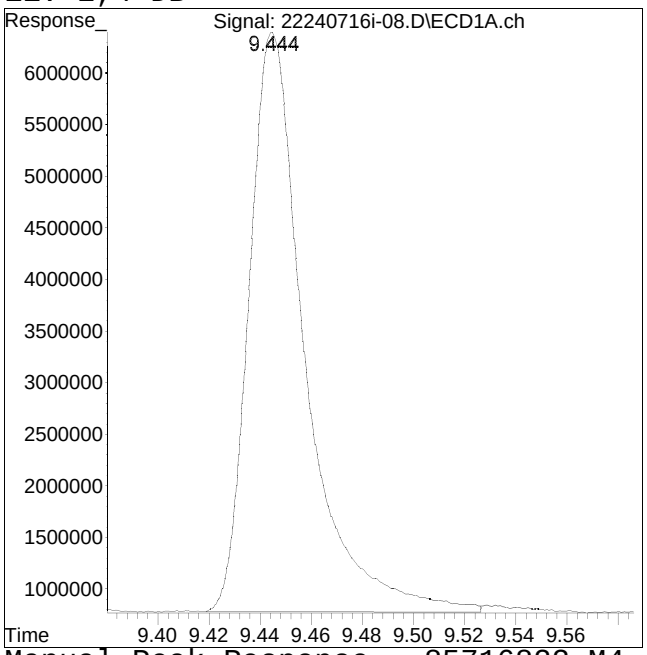
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #11: 2,4-DB



Original Peak Response = 86785890



Manual Peak Response = 85716822 M4

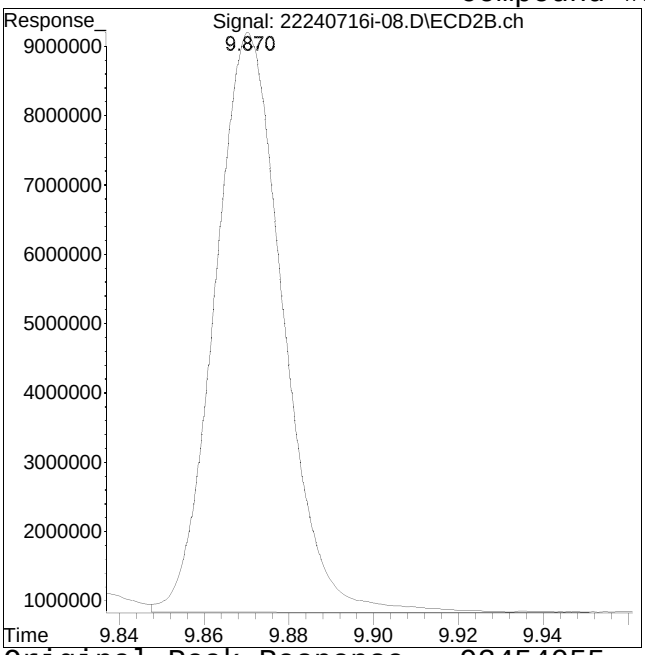
M4 = Poor automated baseline construction.

Manual Integration Report

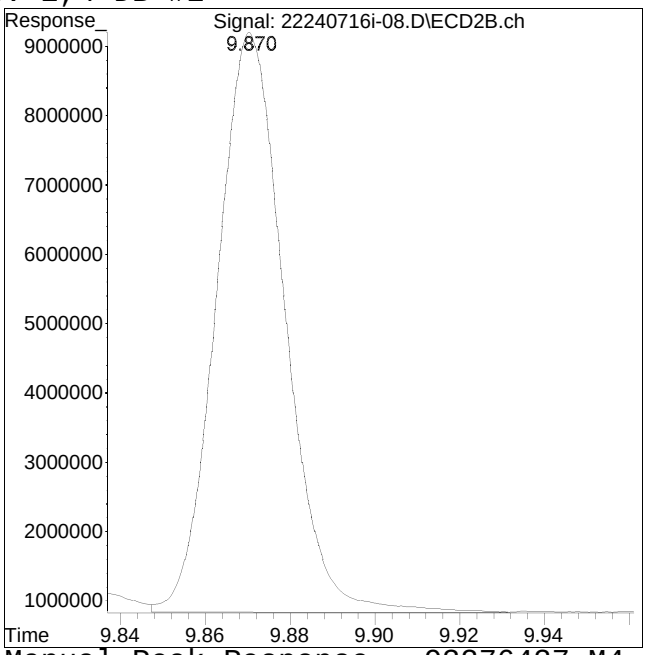
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #24: 2,4-DB #2



Original Peak Response = 93454055



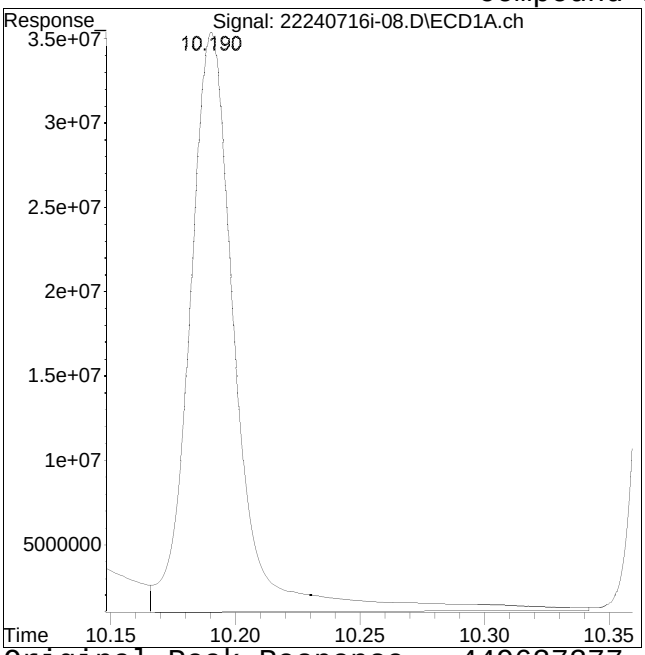
Manual Peak Response = 93276437 M4

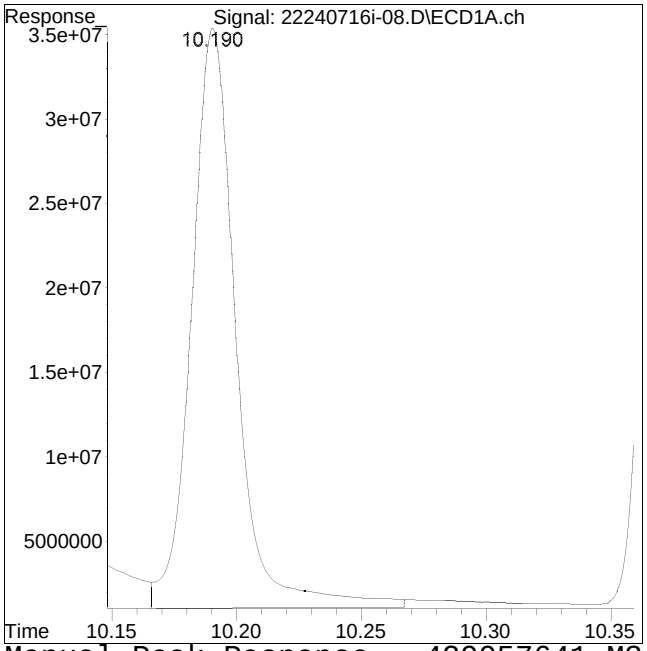
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #12: Dinoseb





Original Peak Response = 449637377 Manual Peak Response = 429957641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	T Dalapon	L	mg/l	0.2	0.215	18.1	0.05	0.033	-27.5
15	T Dalapon #2	L	mg/l	0.2	0.198	8.8	0.05	0.038	-16.5
21	T 2,4-D #2	L	mg/l	0.2	0.201	6.9	0.05	0.035	-25.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	T Dalapon	Linear	0.993654	0.000000	0.185159	0.0234581
15	T Dalapon #2	Linear	0.998307	0.000000	0.176451	0.0267231
21	T 2,4-D #2	Linear	0.997101	0.000000	0.192786	0.0400346

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST22		**Calibration Date**	: 09/10/24 06:50	
Lab File ID	: 22240910a-01		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1969563-1		**Init. Calib. Times**	: 15:28	17:01
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	116	0
Dalapon	0.182	0.217	-	-19.2*	15	119	0
DCAA (surrogate)	0.194	0.215	-	-10.8	15	122	0
Dicamba	0.564	0.627	-	-11.2	15	124	0
MCPP	0.00044	0.00048	-	-9.1	15	124	0
MCPA	0.00086	0.00096	-	-11.6	15	126	0
Dichloroprop	0.18	0.197	-	-9.4	15	123	0
2,4-D	0.217	0.233	-	-7.4	15	121	0
2,4,5-TP (Silvex)	0.806	0.863	-	-7.1	15	120	0
2,4,5-T	0.811	0.89	-	-9.7	15	124	0
2,4-DB	0.118	0.13	-	-10.2	15	122	0
Dinoseb	0.581	0.66	-	-13.6	15	128	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST22		**Calibration Date**	: 09/10/24 06:50	
Lab File ID	: 22240910a-01		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1969563-1		**Init. Calib. Times**	: 15:28	17:01
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	140	0
Dalapon	0.182	0.205	-	-12.6	15	145	0
DCAA (surrogate)	0.194	0.212	-	-9.3	15	146	0
Dicamba	0.57	0.598	-	-4.9	15	141	0
MCPP	0.00058	0.00056	-	3.4	15	131	0
MCPA	0.00106	0.00104	-	1.9	15	135	0
Dichloroprop	0.18	0.192	-	-6.7	15	143	0
2,4-D	0.188	0.207	-	-10.1	15	144	0
2,4,5-TP (Silvex)	0.814	0.879	-	-8	15	146	0
2,4,5-T	0.774	0.84	-	-8.5	15	149	0
2,4-DB	0.131	0.139	-	-6.1	15	147	0
Dinoseb	0.525	0.565	-	-7.6	15	145	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST22		**Calibration Date**	: 09/10/24 12:52	
Lab File ID	: 22240910a-17		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1969563-2		**Init. Calib. Times**	: 15:28	17:01
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	125	0
Dalapon	0.182	0.191	-	-4.9	15	115	0
DCAA (surrogate)	0.194	0.203	-	-4.6	15	125	0
Dicamba	0.564	0.602	-	-6.7	15	129	0
MCPP	0.00044	0.00048	-	-9.1	15	133	0
MCPA	0.00086	0.00093	-	-8.1	15	131	0
Dichloroprop	0.18	0.186	-	-3.3	15	125	0
2,4-D	0.217	0.226	-	-4.1	15	126	0
2,4,5-TP (Silvex)	0.806	0.824	-	-2.2	15	124	0
2,4,5-T	0.811	0.85	-	-4.8	15	128	0
2,4-DB	0.118	0.126	-	-6.8	15	128	0
Dinoseb	0.581	0.616	-	-6	15	129	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST22		**Calibration Date**	: 09/10/24 12:52	
Lab File ID	: 22240910a-17		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1969563-2		**Init. Calib. Times**	: 15:28	17:01
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	152	0
Dalapon	0.182	0.182	-	0	15	142	0
DCAA (surrogate)	0.194	0.197	-	-1.5	15	147	0
Dicamba	0.57	0.566	-	0.7	15	144	0
MCPP	0.00058	0.00055	-	5.2	15	137	0
MCPA	0.00106	0.001	-	5.7	15	140	0
Dichloroprop	0.18	0.181	-	-0.6	15	146	0
2,4-D	0.188	0.186	-	1.1	15	143	0
2,4,5-TP (Silvex)	0.814	0.83	-	-2	15	149	0
2,4,5-T	0.774	0.798	-	-3.1	15	152	0
2,4-DB	0.131	0.131	-	0	15	150	0
Dinoseb	0.525	0.535	-	-1.9	15	148	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-01.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 Sep 2024 06:50
Operator : pest22:peg
Sample   : wg1969563-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1969563,,ical21298
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 07:46:10 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	116	0.00
2	t	Dalapon	*	0.182	0.217	-19.2#	119	0.00
3	s	DCAA (surrogate)		0.194	0.215	-10.8	122	0.00
4	t	Dicamba		0.564	0.627	-11.2	124	0.00
5	t	MCPP		0.00044	0.00048	-9.1	124	0.00
6	t	MCPA		0.00086	0.00096	-11.6	126	0.00
7	t	Dichloroprop		0.180	0.197	-9.4	123	0.00
8	t	2,4-D		0.217	0.233	-7.4	121	0.00
9	t	2,4,5-TP (Silvex)		0.806	0.863	-7.1	120	0.00
10	t	2,4,5-T		0.811	0.890	-9.7	124	0.00
11	t	2,4-DB		0.118	0.130	-10.2	122	0.00
12	t	Dinoseb		0.581	0.660	-13.6	128	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	140	0.00
2	t	Dalapon	*	0.182	0.205	-12.6	145	0.00
3	s	DCAA (surrogate)		0.194	0.212	-9.3	146	0.00
4	t	Dicamba		0.570	0.598	-4.9	141	0.00
5	t	MCPP		0.00058	0.00056	3.4	131	0.00
6	t	MCPA		0.00106	0.00104	1.9	135	0.00
7	t	Dichloroprop		0.180	0.192	-6.7	143	0.00
8	t	2,4-D	*	0.188	0.207	-10.1	144	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.879	-8.0	146	0.00
10	t	2,4,5-T		0.774	0.840	-8.5	149	0.00
11	t	2,4-DB		0.131	0.139	-6.1	147	0.00
12	t	Dinoseb		0.525	0.565	-7.6	145	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-01.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 Sep 2024 06:50
Operator : pest22:peg
Sample   : wg1969563-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1969563,,ical21298
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 07:46:10 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-01.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 06:50
Operator : pest22:peg
Sample : wg1969563-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 07:46:10 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.449	8.440	1123.5E6	1364.0E6	0.250M3	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.909	7.366	181.4E6	217.0E6	0.208M4	0.205M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	41.60%	41.00%
		Target Compounds						
2)	t	Dalapon	2.324	2.314	207.0E6	233.4E6	0.217M3	0.205M3
4)	t	Dicamba	7.086	7.545	530.1E6	613.6E6	0.209M4	0.197M4
5)	t	MCPP	7.288	7.658	40673395	57447970	20.342	18.001M4
6)	t	MCPA	7.434	7.885	80640694	105.7E6	20.858M4	18.363M4
7)	t	Dichloroprop	7.793	8.204	166.8E6	197.2E6	0.206M4	0.201M4
8)	t	2,4-D	8.014	8.482	197.2E6	271.8E6	0.203M3	0.207M4
9)	t	2,4,5-TP (Si	8.724	9.140	736.5E6	910.8E6	0.203M4	0.205M4
10)	t	2,4,5-T	8.951	9.431	760.2E6	870.9E6	0.208M3	0.206
11)	t	2,4-DB	9.360	9.793	112.0E6	145.4E6	0.211M4	0.204M4
12)	t	Dinoseb	10.099	10.015	563.4E6	585.7E6	0.216M4	0.205M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-01.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 06:50
Operator : pest22:peg
Sample : wg1969563-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 07:46:10 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:04 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

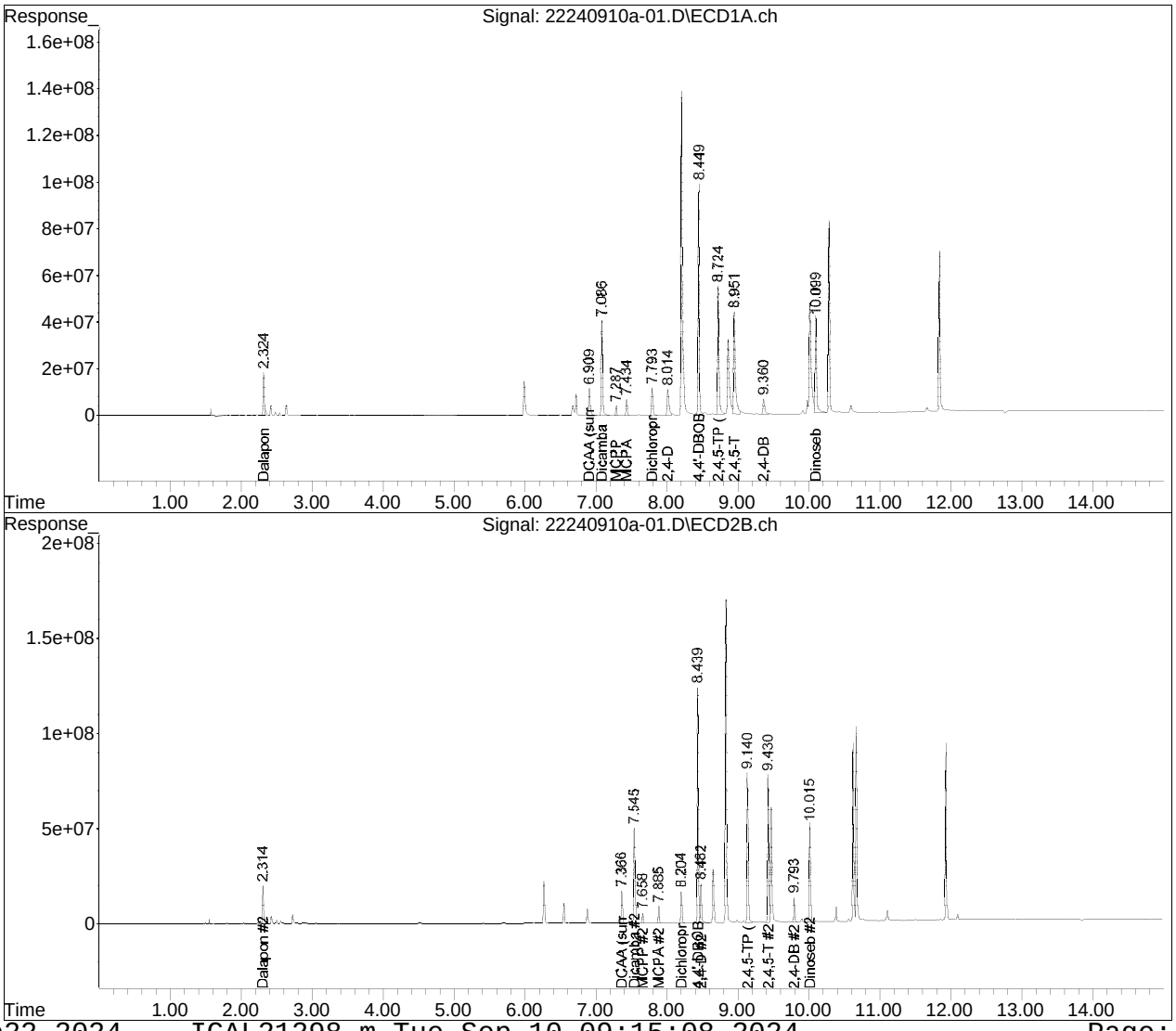
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-01.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 06:50
Operator : pest22:peg
Sample : wg1969563-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 07:46:10 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:04 2024
Response via : Initial Calibration
Integrator: ChemStation

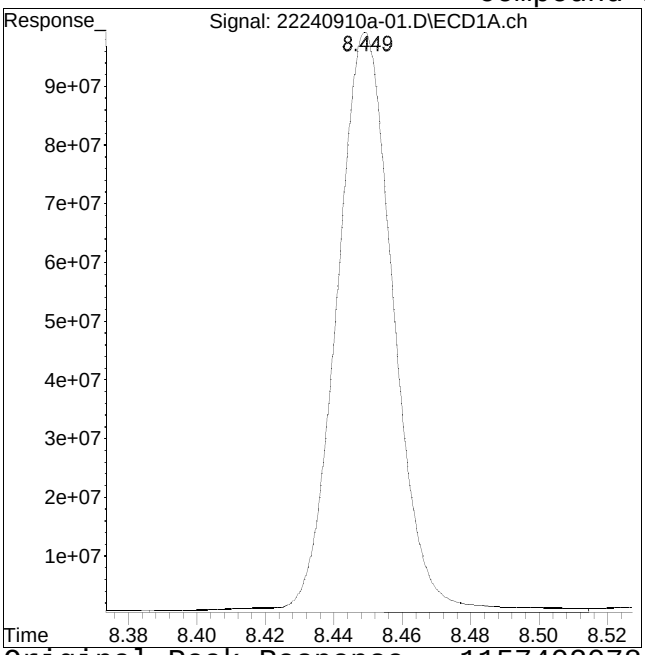
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

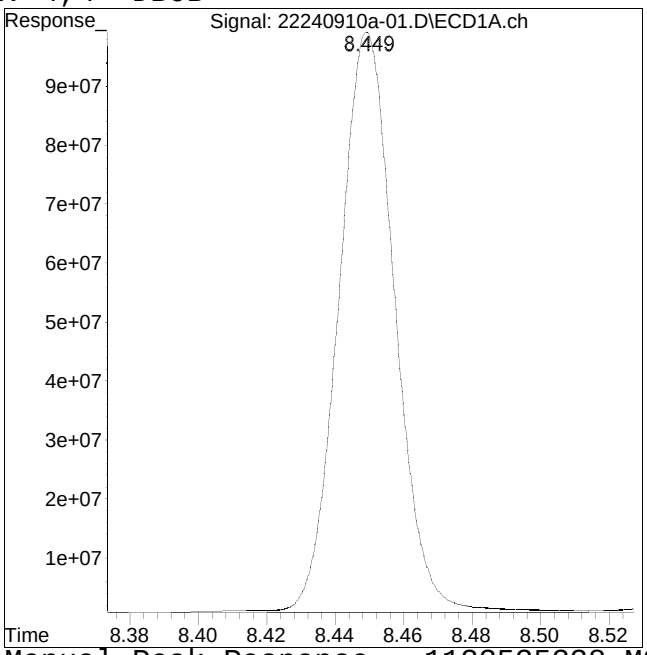


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #1: 4,4'-DBOB



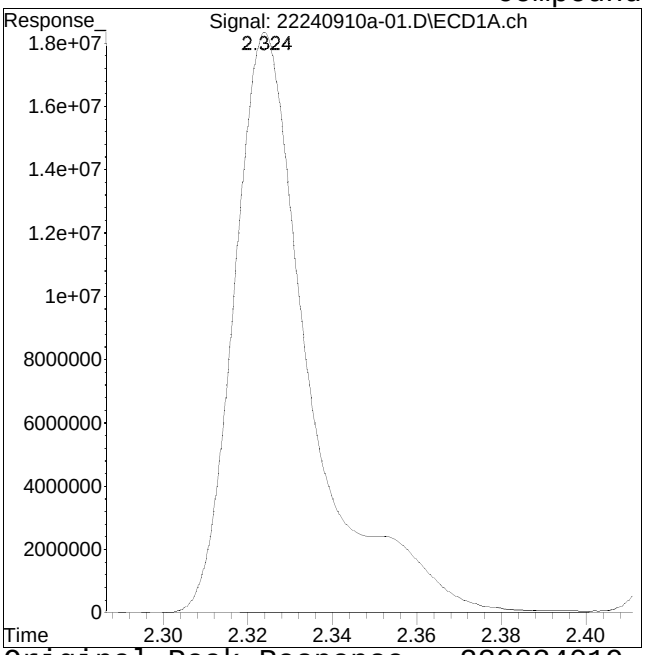


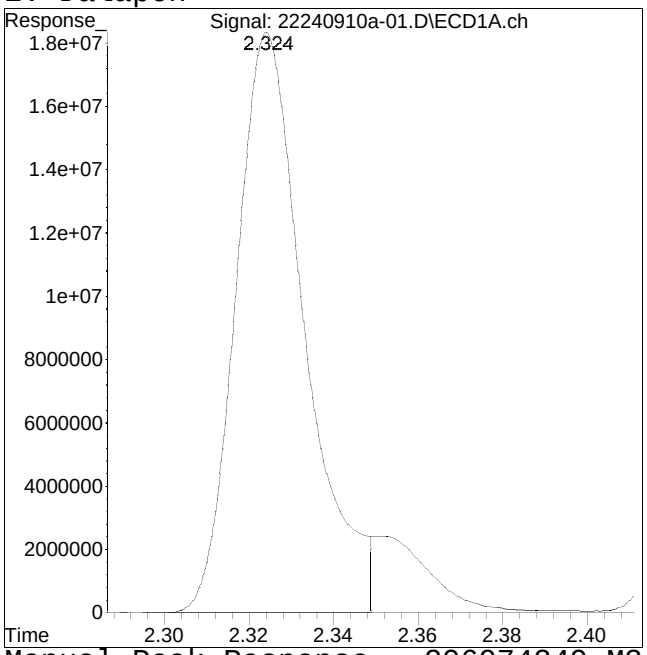
Original Peak Response = 1157402078 Manual Peak Response = 1123535338 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #2: Dalapon



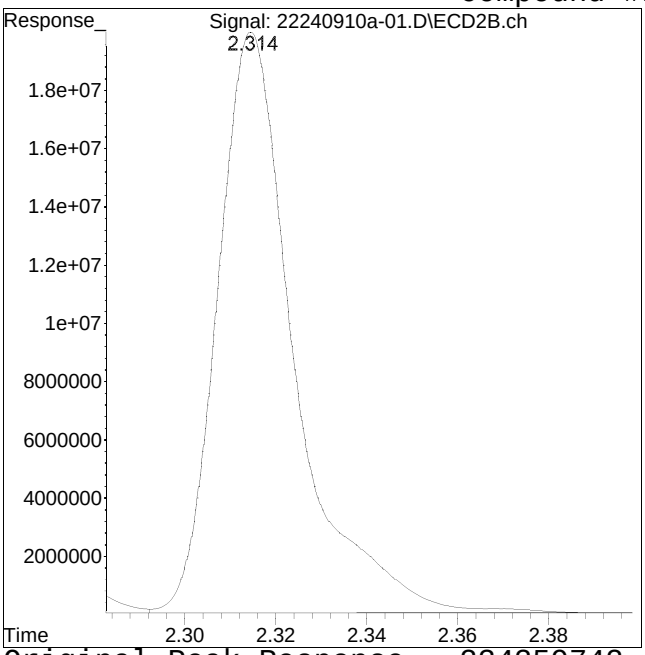


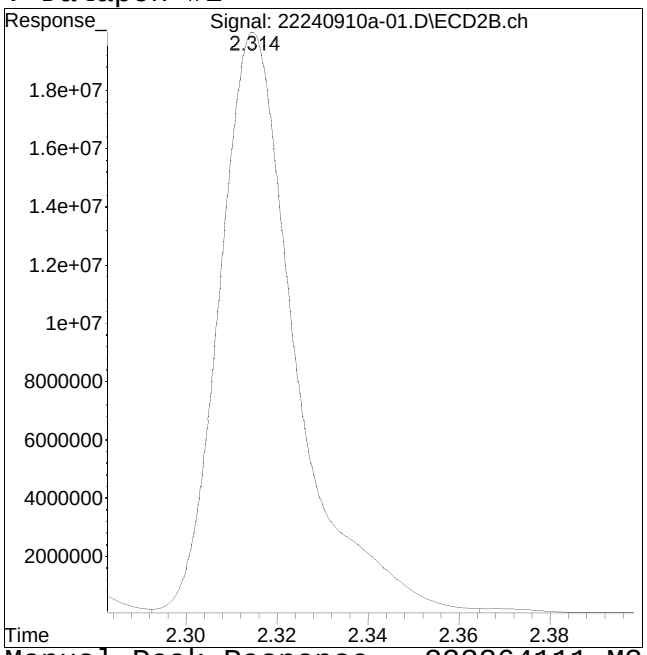
Original Peak Response = 230224019 Manual Peak Response = 206974249 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #15: Dalapon #2



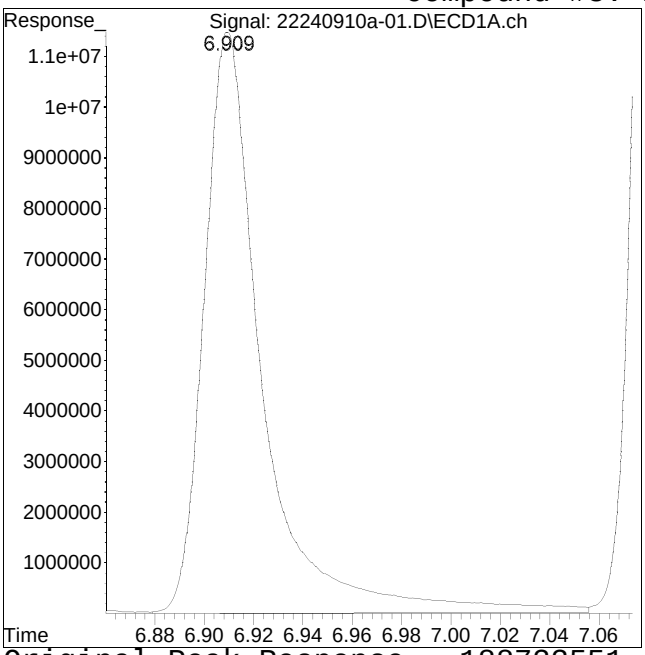


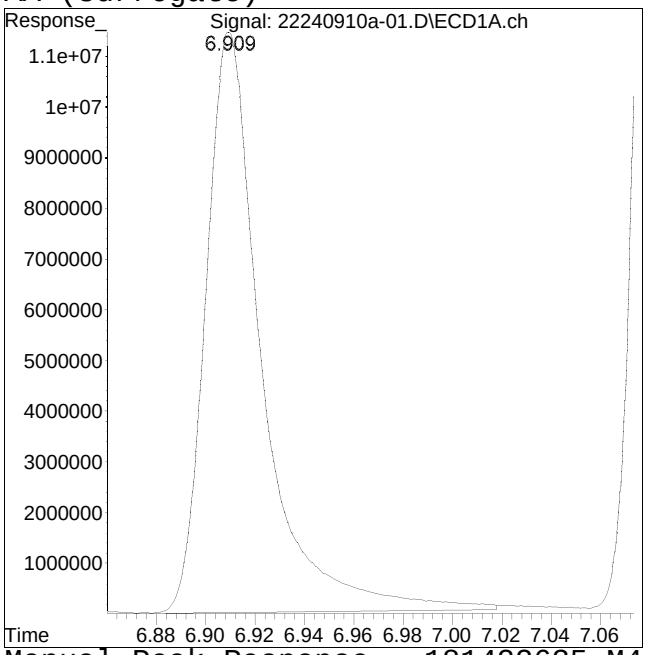
Original Peak Response = 234359742 Manual Peak Response = 233364111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #3: DCAA (surrogate)



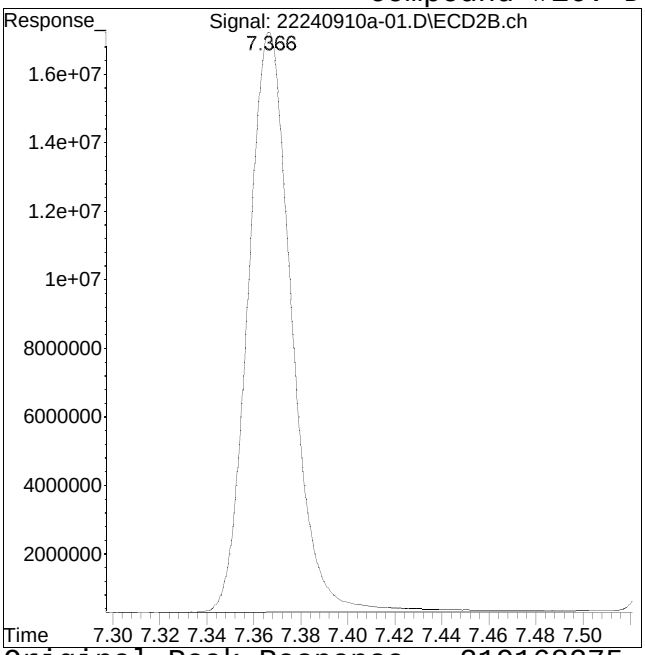


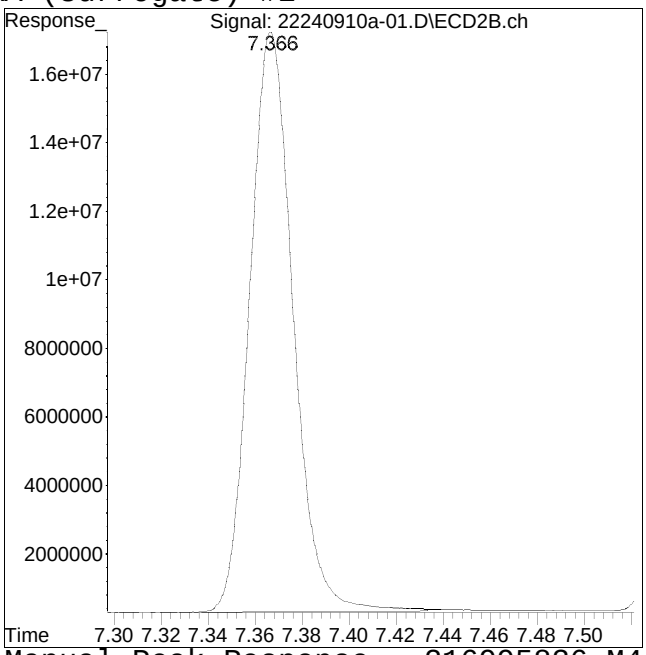
Original Peak Response = 188733551 Manual Peak Response = 181422635 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #16: DCAA (surrogate) #2



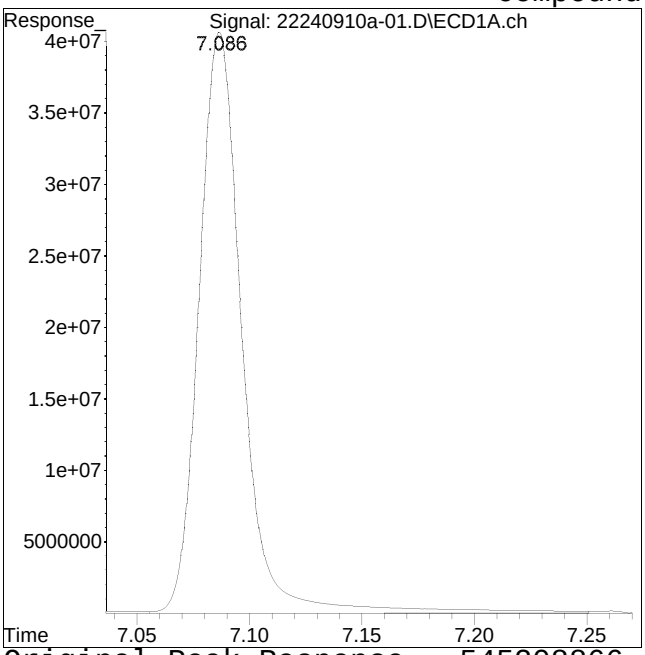


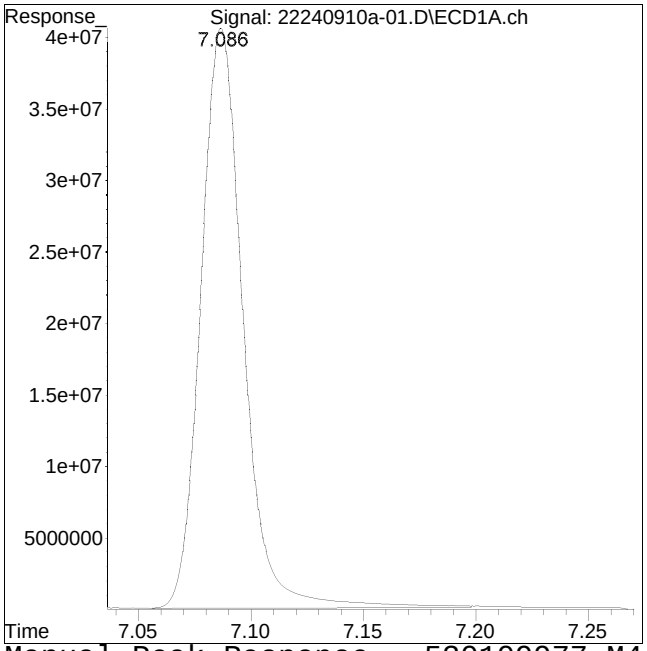
Original Peak Response = 219168275 Manual Peak Response = 216995836 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #4: Dicamba



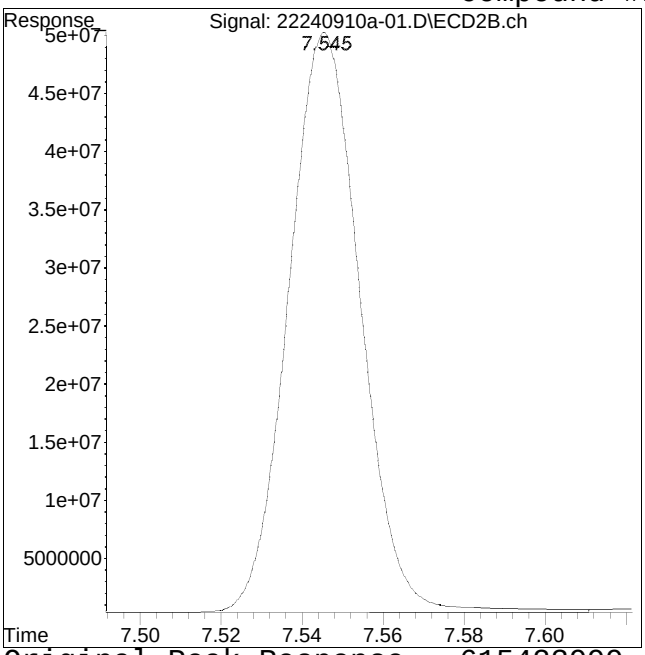


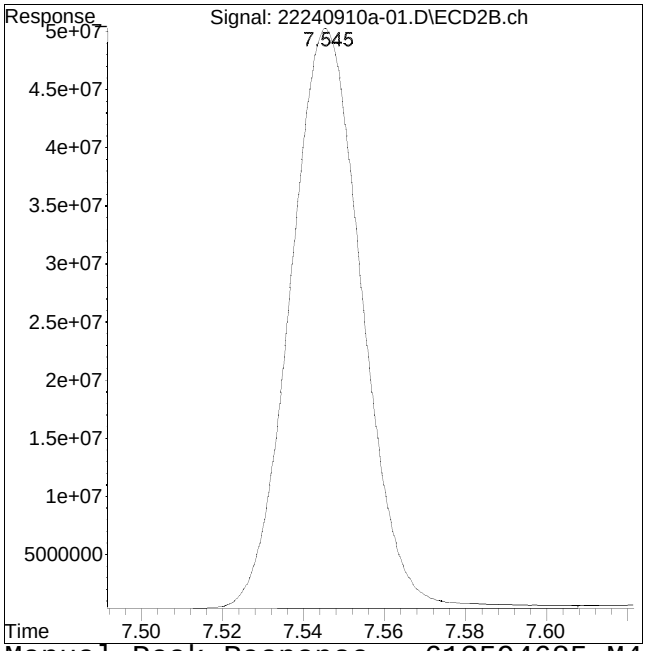
Original Peak Response = 545208866 Manual Peak Response = 530109977 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #17: Dicamba #2



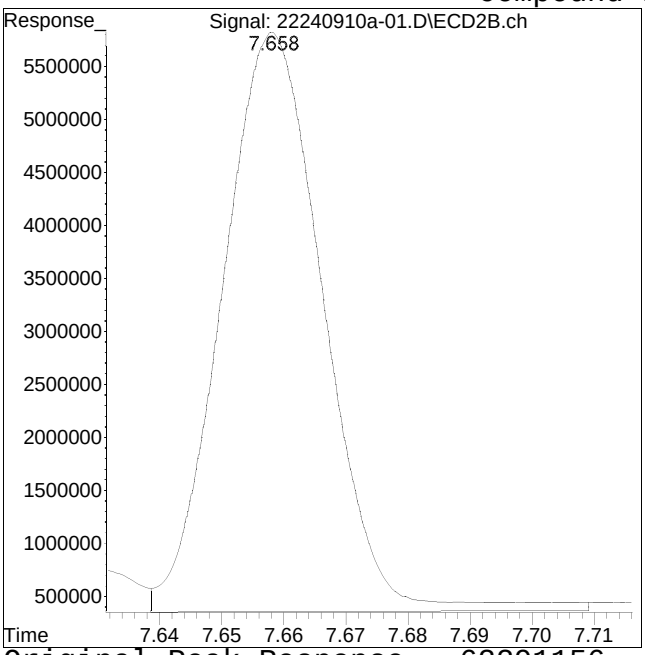


Original Peak Response = 615423999 Manual Peak Response = 613594685 M4
M4 = Poor automated baseline construction.

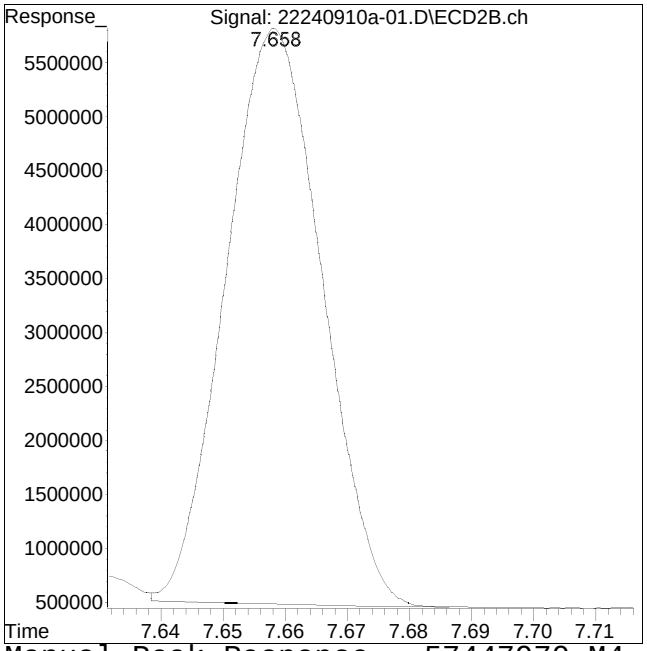
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #18: MCPP #2



Original Peak Response = 62291156



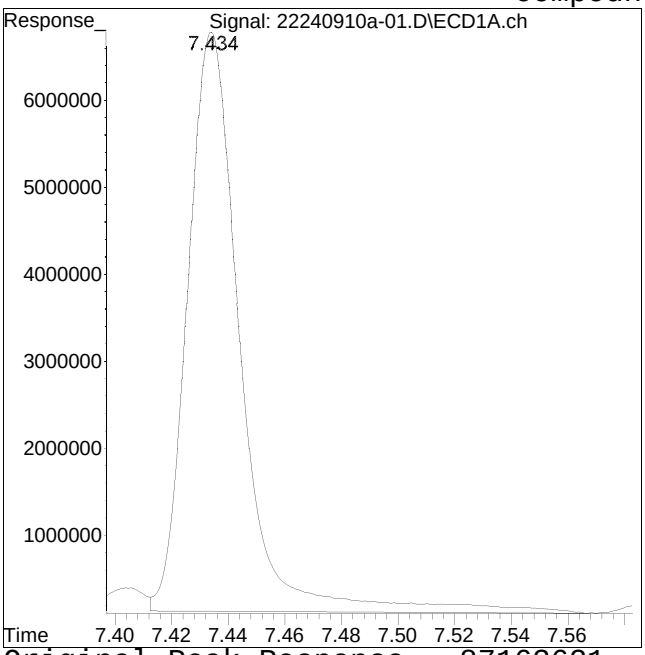
Manual Peak Response = 57447970 M4

M4 = Poor automated baseline construction.

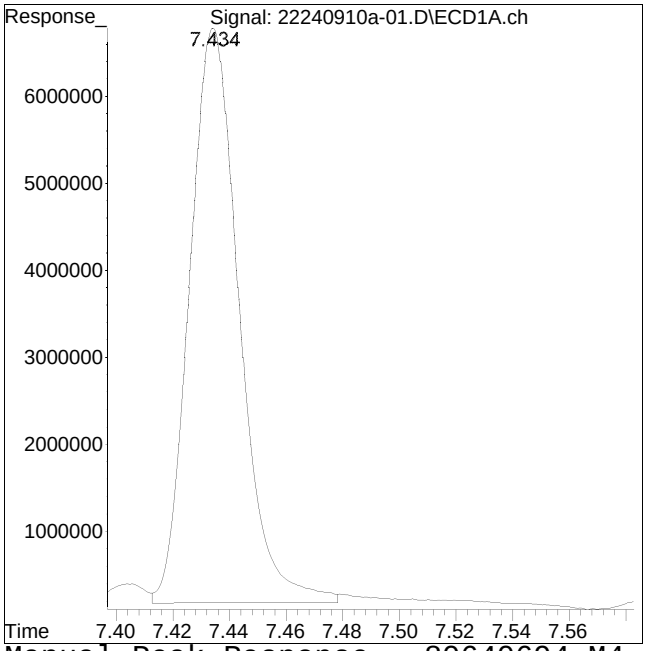
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #6: MCPA



Original Peak Response = 87163621



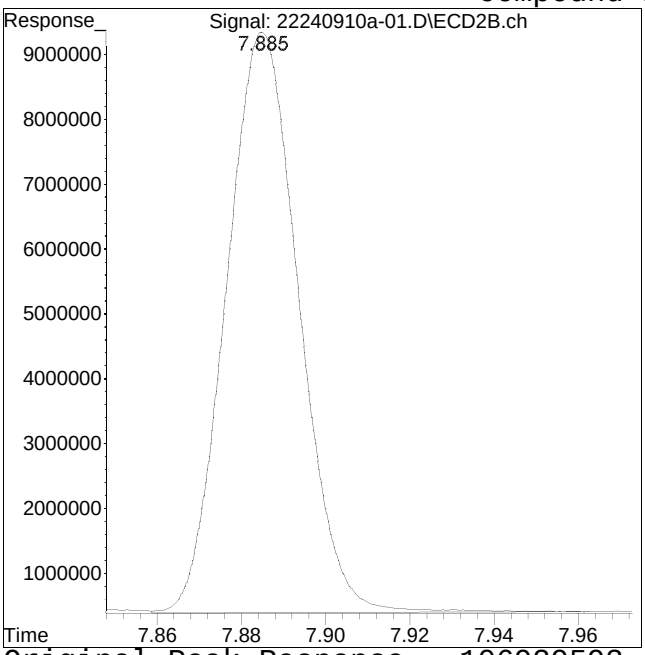
Manual Peak Response = 80640694 M4

M4 = Poor automated baseline construction.

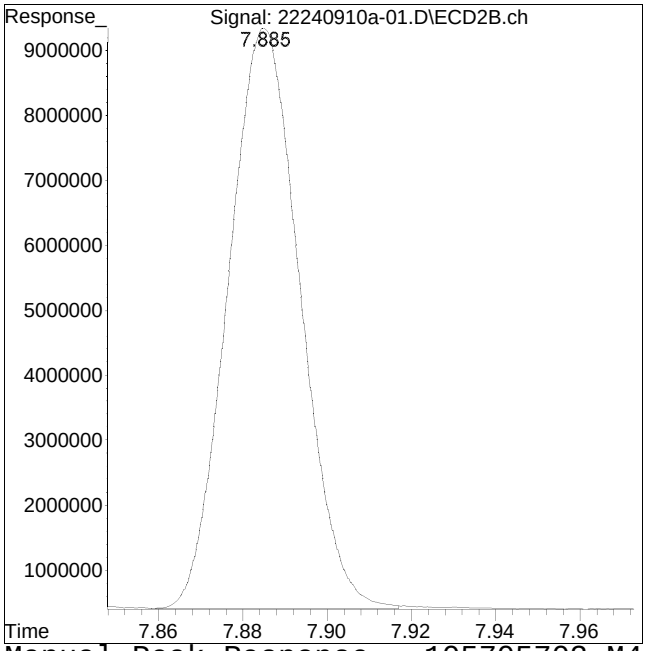
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #19: MCPA #2



Original Peak Response = 106929593

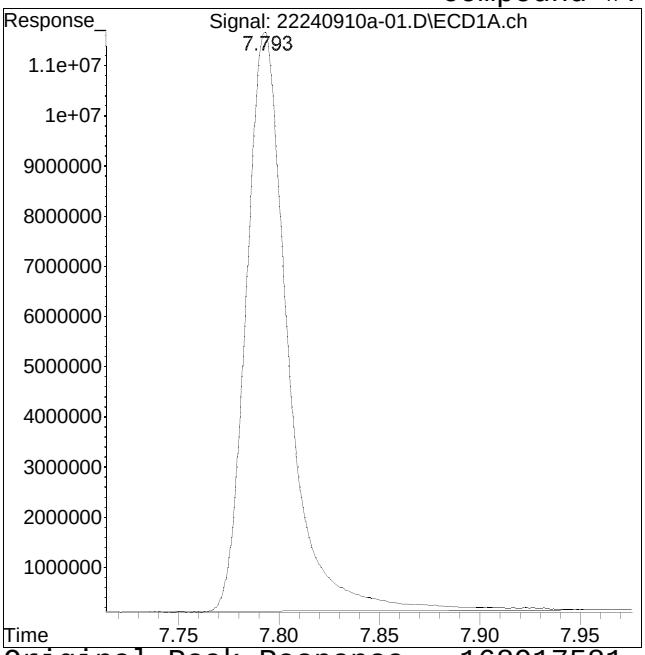


Manual Peak Response = 105705703 M4
M4 = Poor automated baseline construction.

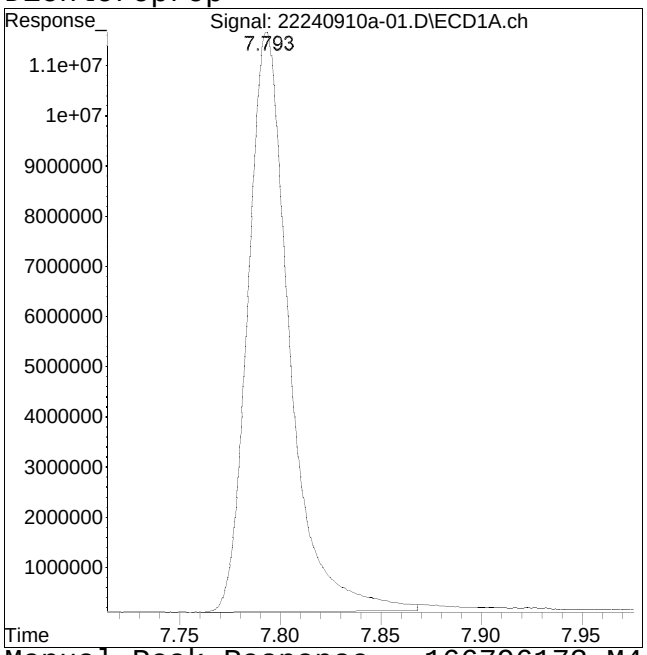
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #7: Dichloroprop



Original Peak Response = 168917581



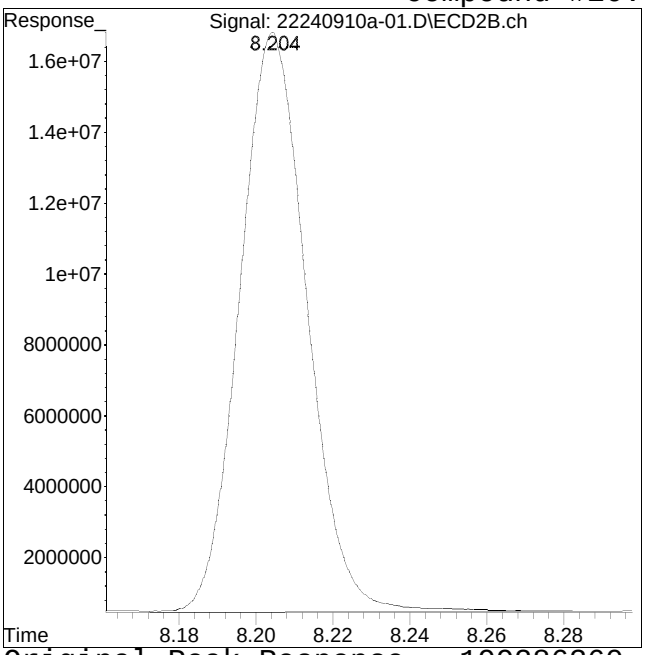
Manual Peak Response = 166796173 M4

M4 = Poor automated baseline construction.

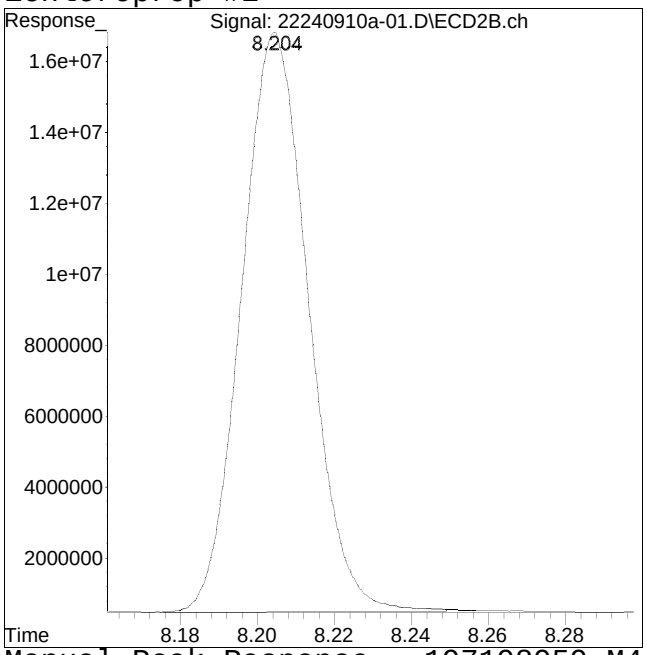
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #20: Dichloroprop #2



Original Peak Response = 199286360



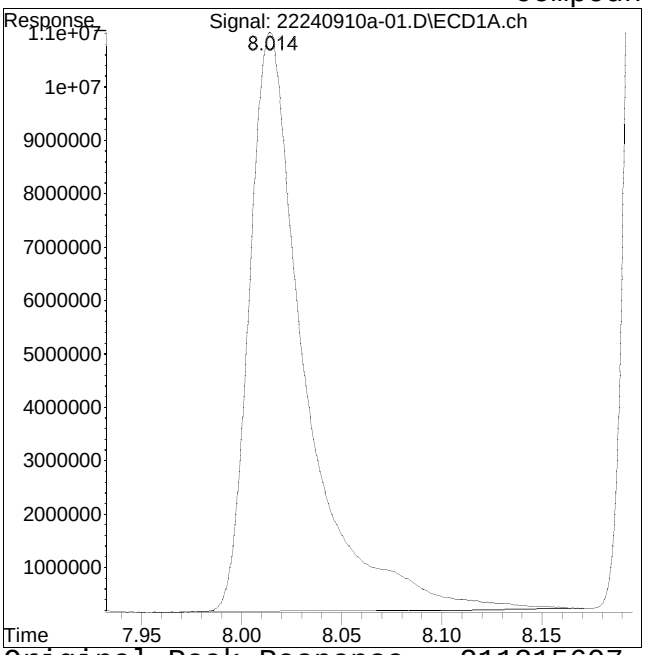
Manual Peak Response = 197198959 M4

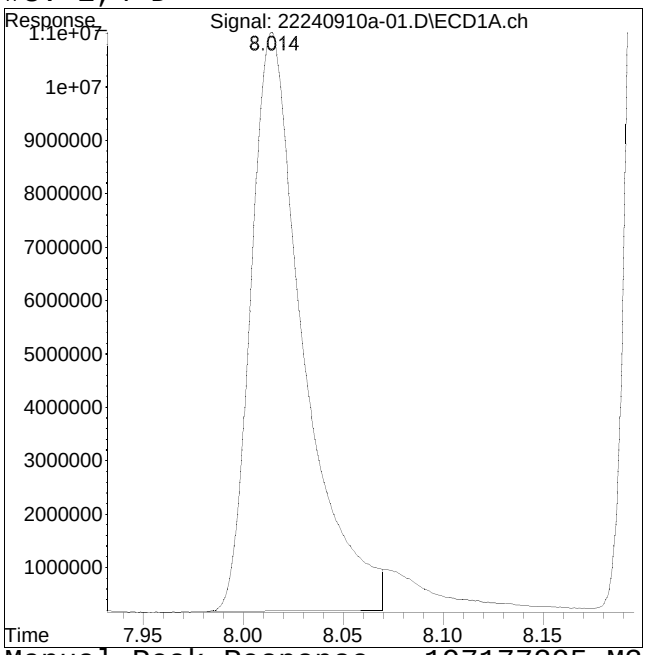
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #8: 2,4-D



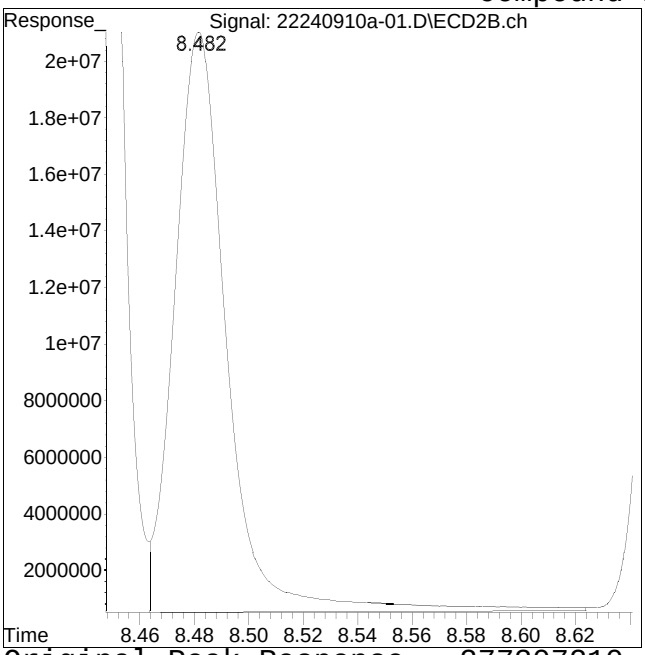


Original Peak Response = 211215607 Manual Peak Response = 197177395 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

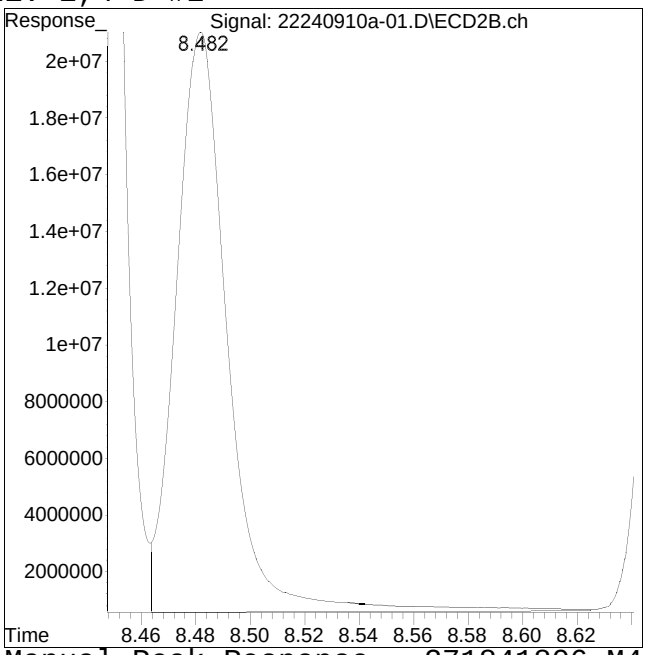
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #21: 2,4-D #2



Original Peak Response = 277307210



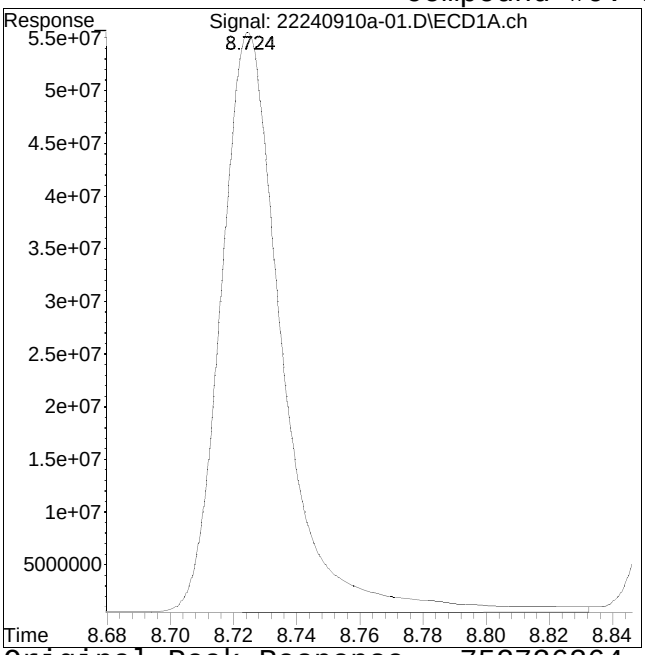
Manual Peak Response = 271841806 M4

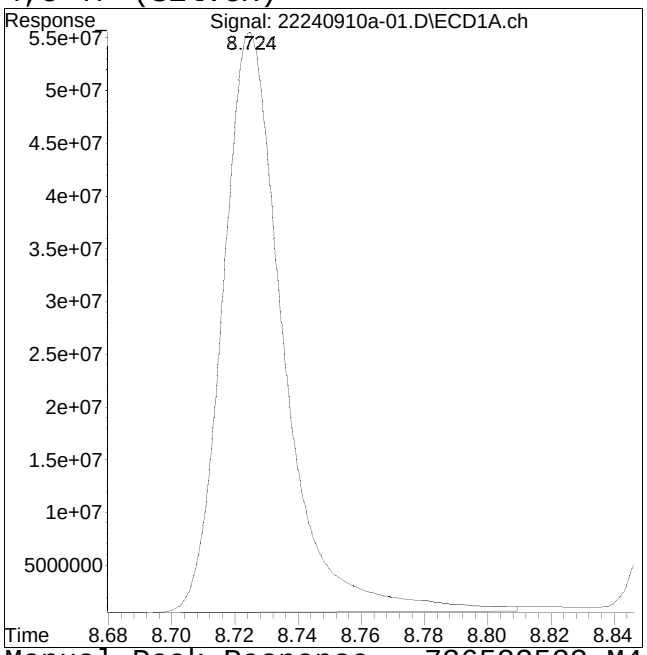
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #9: 2,4,5-TP (Silvex)



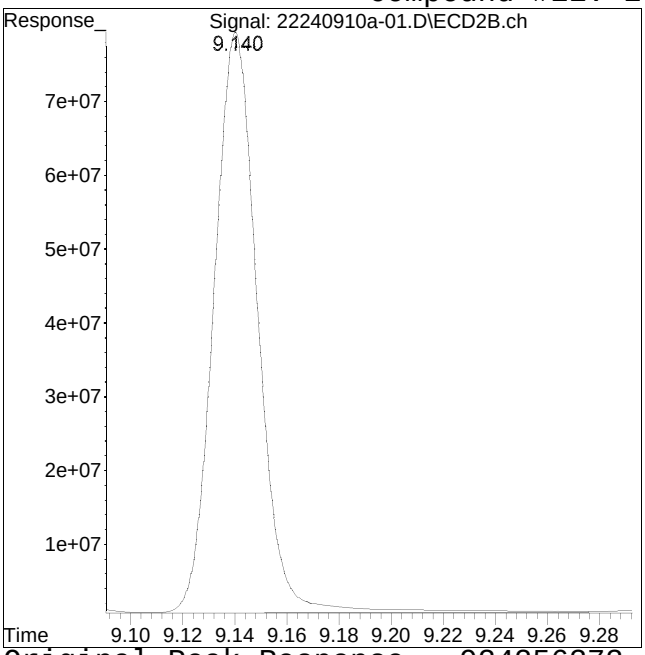


Original Peak Response = 752736364 Manual Peak Response = 736523523 M4
M4 = Poor automated baseline construction.

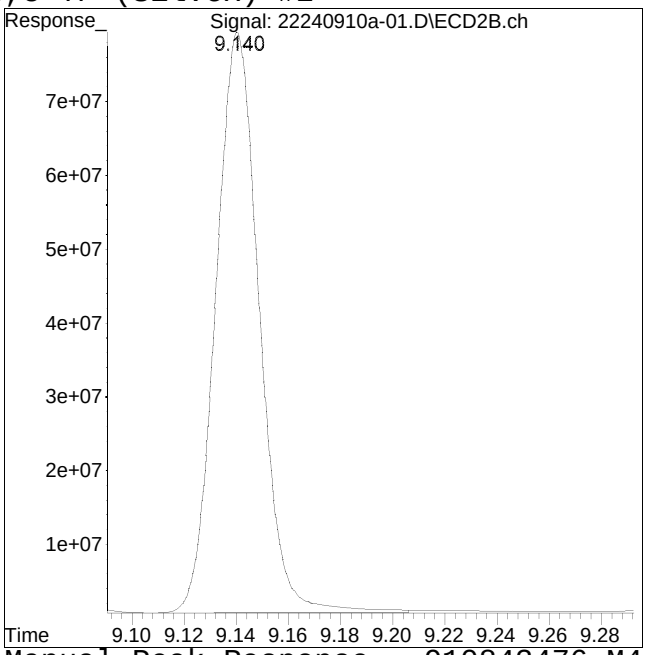
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 924256373



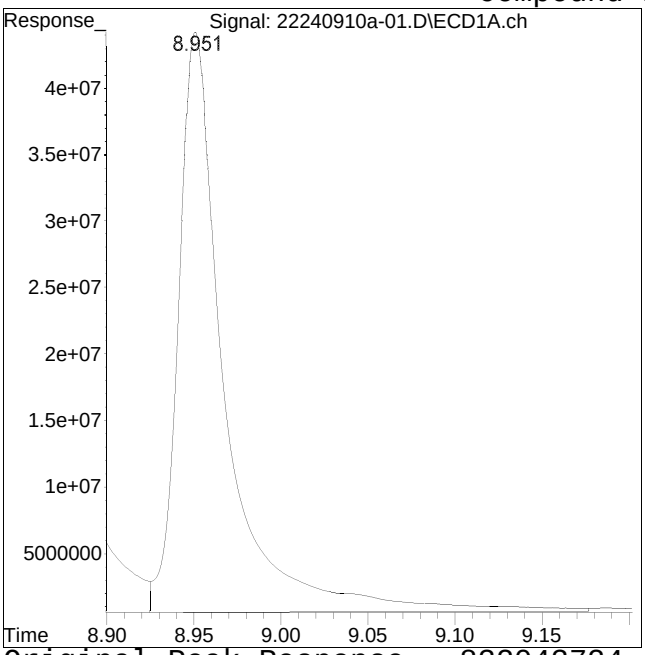
Manual Peak Response = 910843476 M4

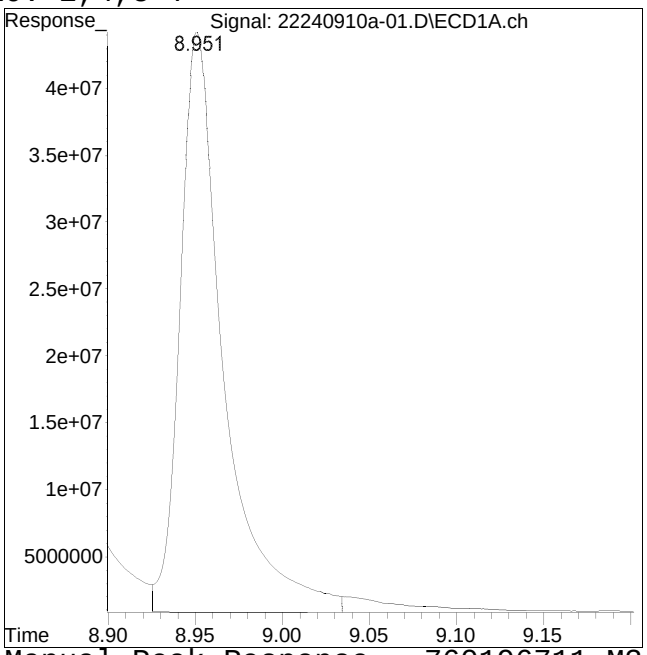
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #10: 2,4,5-T



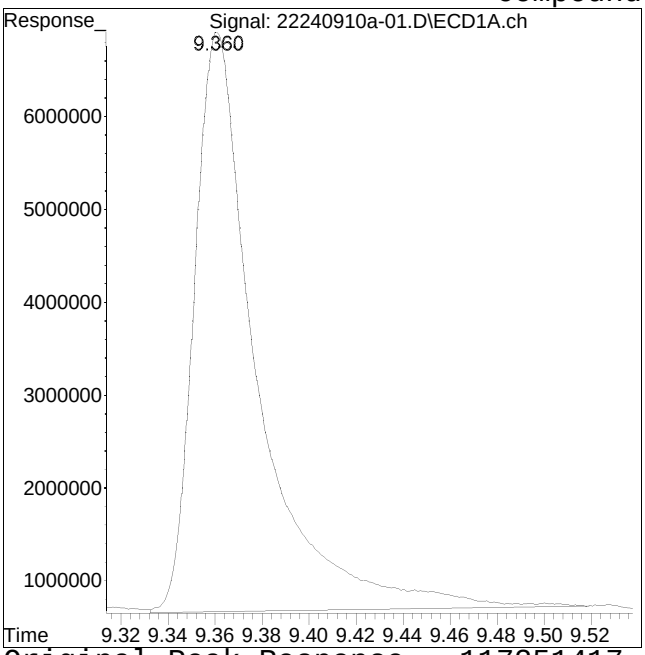


Original Peak Response = 832043724 Manual Peak Response = 760196711 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

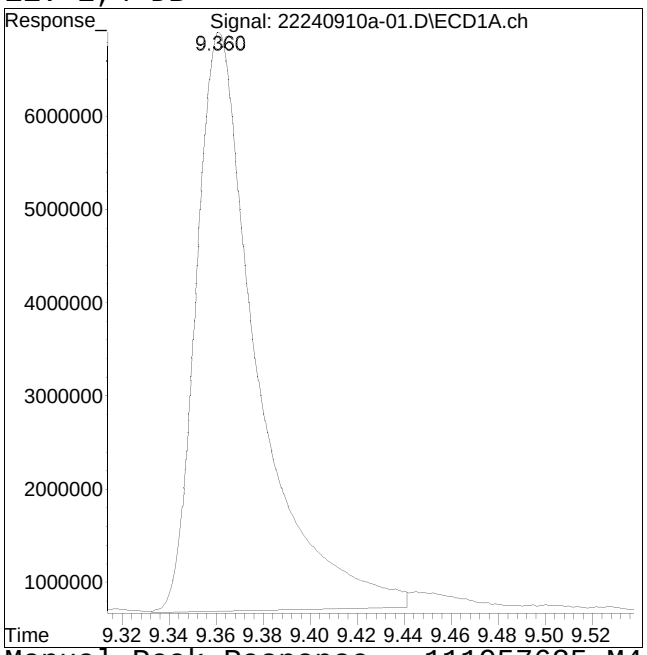
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #11: 2,4-DB



Original Peak Response = 117251417

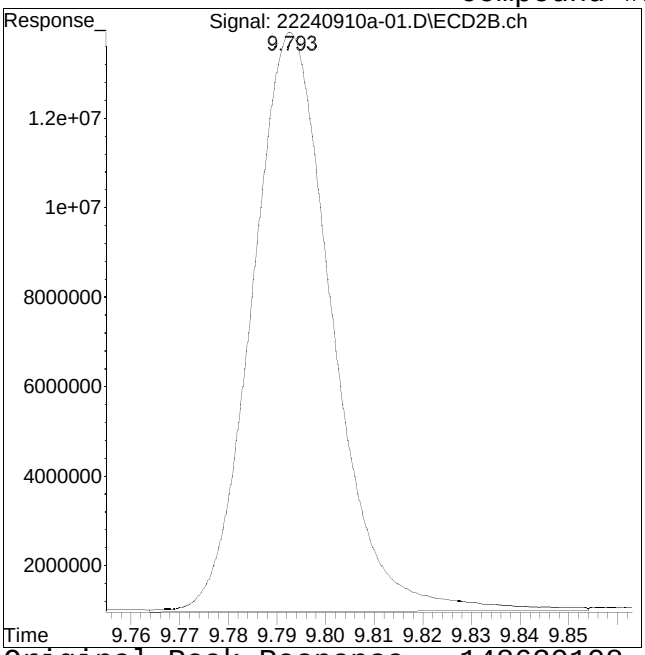


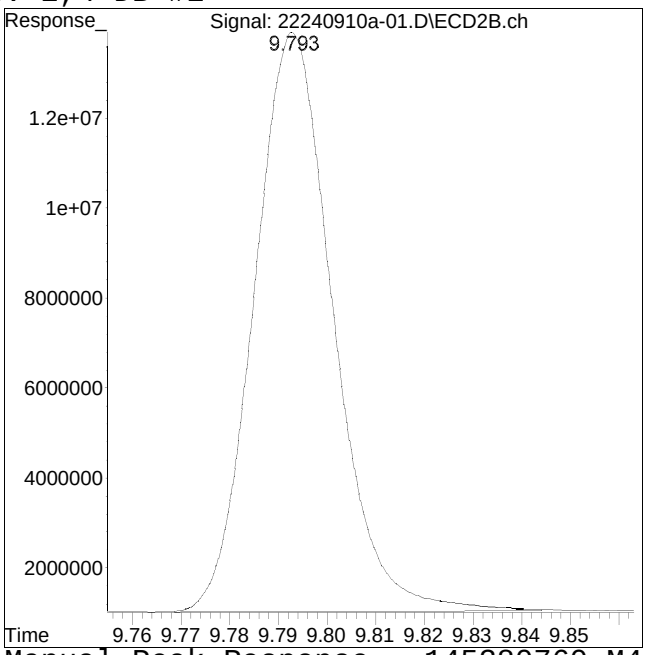
Manual Peak Response = 111957625 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #24: 2,4-DB #2



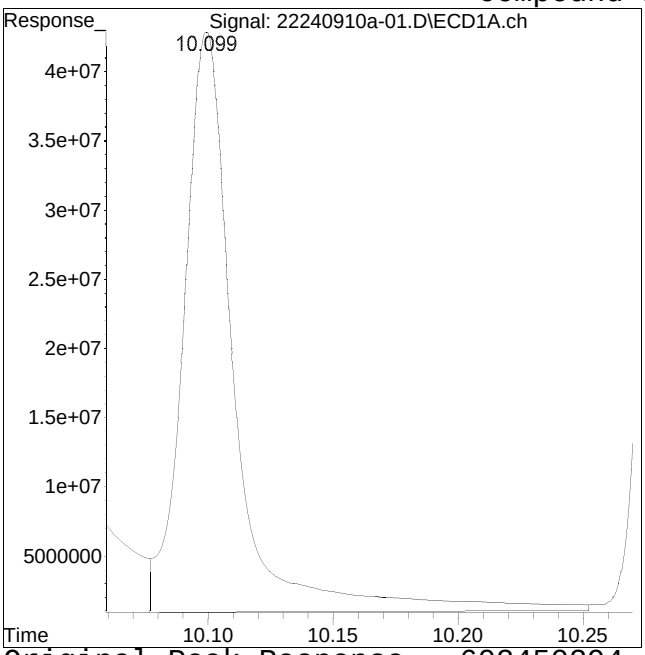


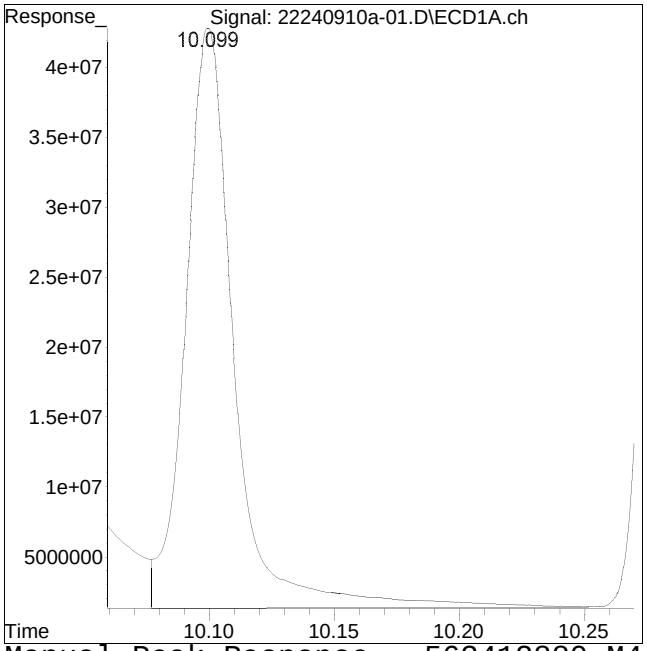
Original Peak Response = 148639108 Manual Peak Response = 145380760 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #12: Dinoseb



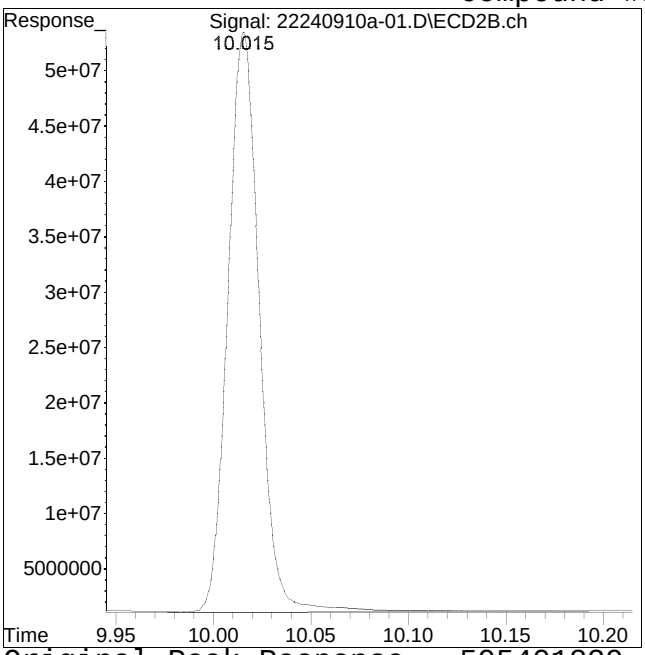


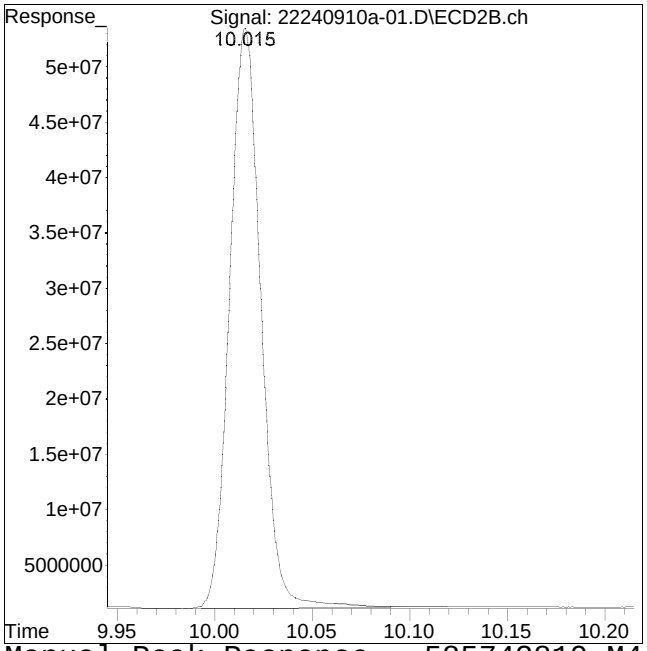
Original Peak Response = 602450294 Manual Peak Response = 563412880 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-01.D Operator : pest22:peg
Date Inj'd : 9/10/2024 6:50 Instrument : Pest22
Sample : wg1969563-1,42,,herb11705 Quant Date : 9/10/2024 7:46 am

Compound #25: Dinoseb #2





Original Peak Response = 595401229 Manual Peak Response = 585743810 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 Sep 2024 12:52 pm
Operator : pest22:ejl
Sample   : wg1969563-2,42,, herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1969563,,ical21298
ALS Vial : 17   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:17:51 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	125	0.00
2	t	Dalapon	*	0.182	0.191	-4.9	115	0.00
3	s	DCAA (surrogate)		0.194	0.203	-4.6	125	0.00
4	t	Dicamba		0.564	0.602	-6.7	129	0.00
5	t	MCPP		0.00044	0.00048	-9.1	133	0.00
6	t	MCPA		0.00086	0.00093	-8.1	131	0.00
7	t	Dichloroprop		0.180	0.186	-3.3	125	0.00
8	t	2,4-D		0.217	0.226	-4.1	126	0.00
9	t	2,4,5-TP (Silvex)		0.806	0.824	-2.2	124	0.00
10	t	2,4,5-T		0.811	0.850	-4.8	128	0.00
11	t	2,4-DB		0.118	0.126	-6.8	128	0.00
12	t	Dinoseb		0.581	0.616	-6.0	129	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	152	0.00
2	t	Dalapon	*	0.182	0.182	0.0	142	0.00
3	s	DCAA (surrogate)		0.194	0.197	-1.5	147	0.00
4	t	Dicamba		0.570	0.566	0.7	144	0.00
5	t	MCPP		0.00058	0.00055	5.2	137	0.00
6	t	MCPA		0.00106	0.00100	5.7	140	0.00
7	t	Dichloroprop		0.180	0.181	-0.6	146	0.00
8	t	2,4-D	*	0.188	0.186	1.1	143	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.830	-2.0	149	0.00
10	t	2,4,5-T		0.774	0.798	-3.1	152#	0.00
11	t	2,4-DB		0.131	0.131	0.0	150	0.00
12	t	Dinoseb		0.525	0.535	-1.9	148	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 Sep 2024 12:52 pm
Operator : pest22:ejl
Sample   : wg1969563-2,42,, herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1969563,,ical21298
ALS Vial : 17   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:17:51 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:52 pm
Operator : pest22:ejl
Sample : wg1969563-2,42,, herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:17:51 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.449	8.440	1210.2E6	1471.2E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.906	7.366	184.8E6	217.7E6	0.197M4	0.190M4
		Spiked Amount	0.500	Range	30 - 150	Recovery =	39.40%	38.00%
		Target Compounds						
2)	t	Dalapon	2.322	2.314	199.3E6	228.5E6	0.191M3	0.182M3
4)	t	Dicamba	7.085	7.546	547.7E6	626.6E6	0.201M3	0.187
5)	t	MCPP	7.287	7.659	43334331	60353000	20.121	17.533
6)	t	MCPA	7.433	7.885	83661254	109.7E6	20.089M4	17.664
7)	t	Dichloroprop	7.791	8.204	169.7E6	200.2E6	0.195M4	0.189M4
8)	t	2,4-D	8.009	8.481	205.5E6	269.9E6	0.196M4	0.186M3
9)	t	2,4,5-TP (Si	8.723	9.140	757.6E6	928.0E6	0.194	0.194M3
10)	t	2,4,5-T	8.947	9.431	781.4E6	892.5E6	0.199M3	0.196
11)	t	2,4-DB	9.355	9.793	117.5E6	148.4E6	0.205M4	0.193
12)	t	Dinoseb	10.100	10.016	566.1E6	598.7E6	0.201M3	0.194M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:52 pm
Operator : pest22:ejl
Sample : wg1969563-2,42,, herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:17:51 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

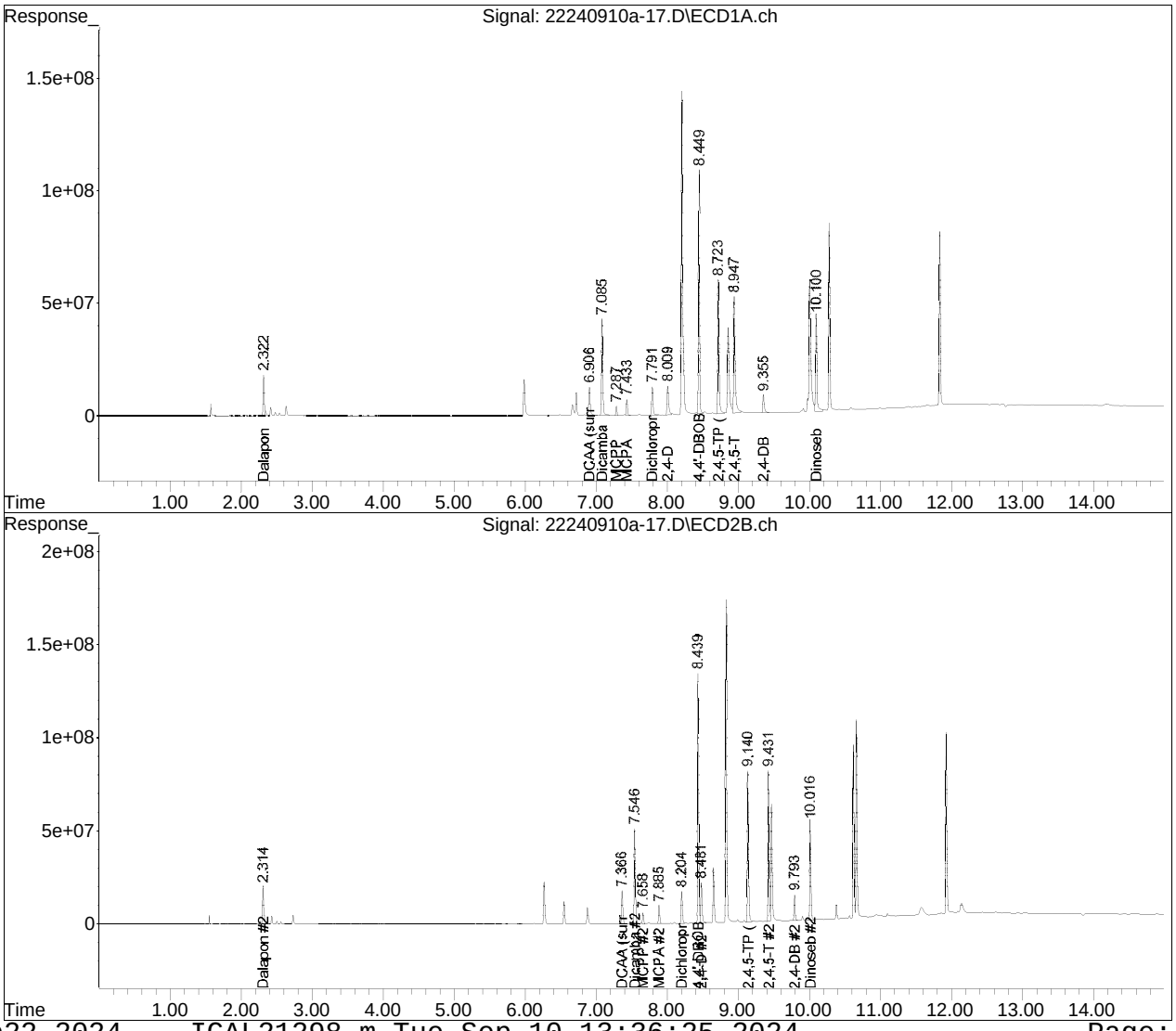
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 12:52 pm
Operator : pest22:ejl
Sample : wg1969563-2,42,, herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1969563,,ical21298
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 13:17:51 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

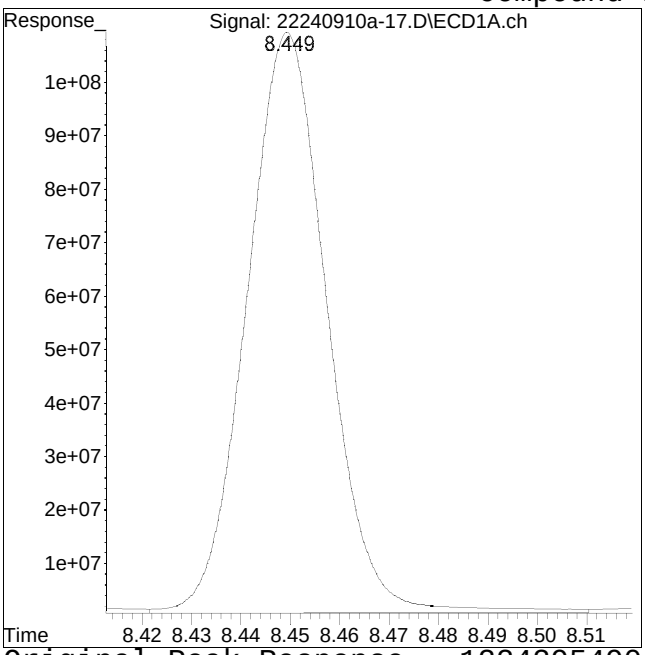
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

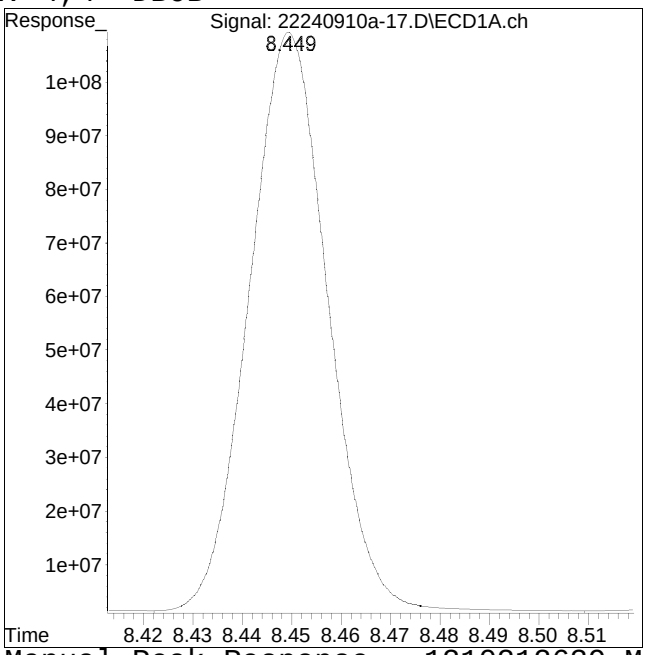


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #1: 4,4'-DBOB



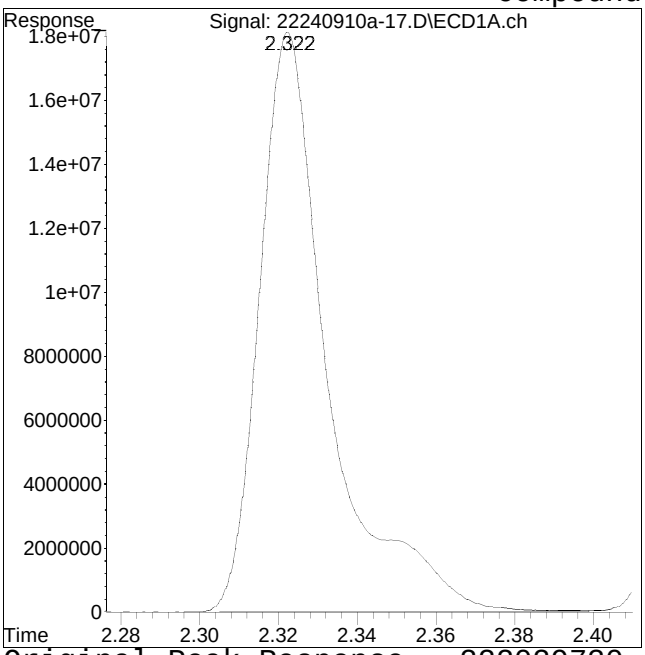


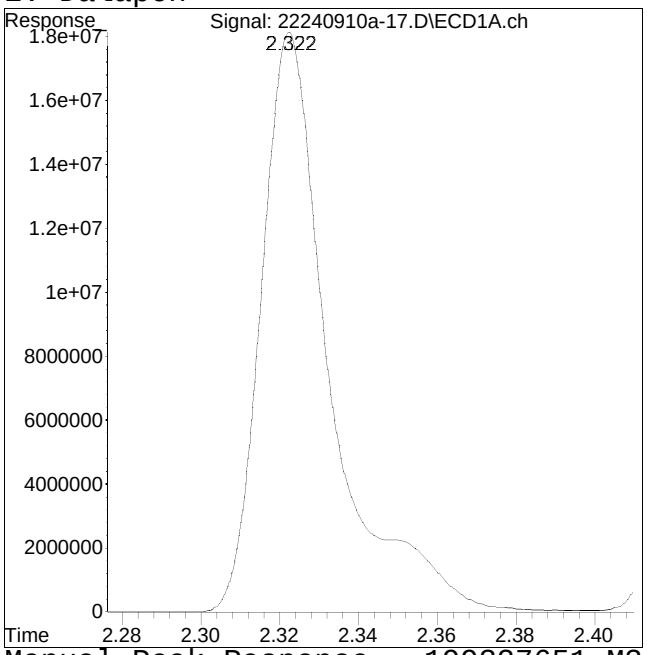
Original Peak Response = 1224295490 Manual Peak Response = 1210212639 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #2: Dalapon



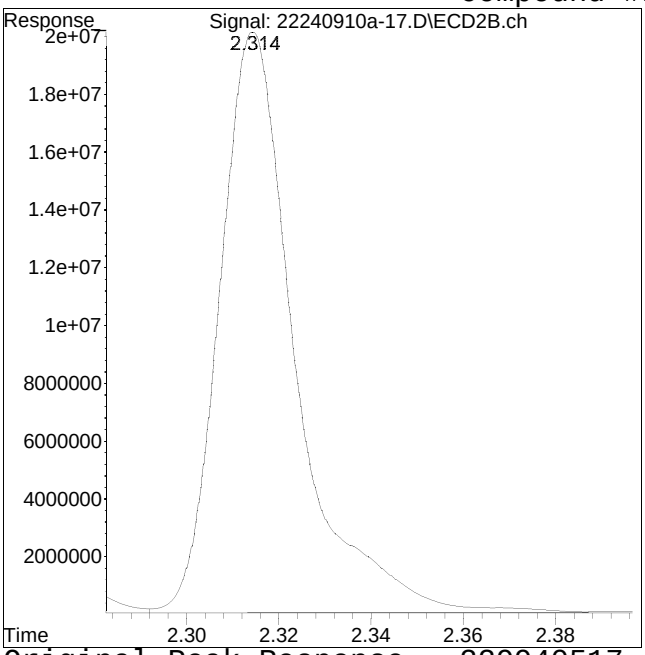


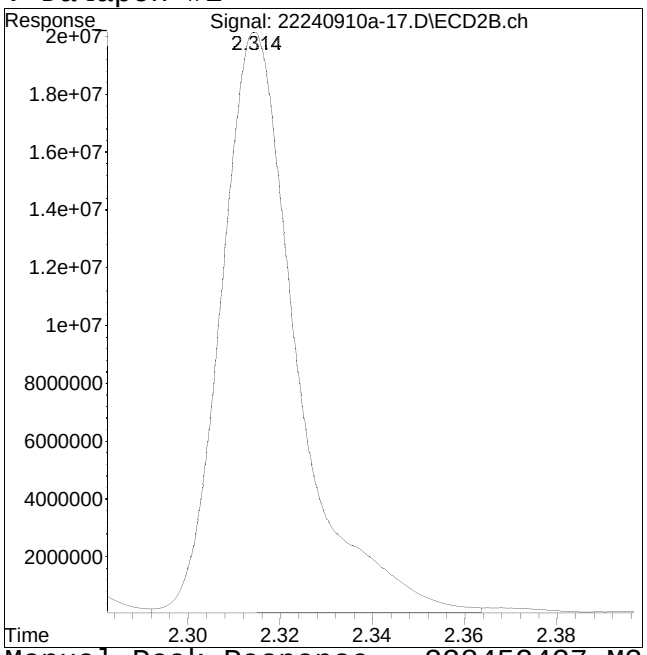
Original Peak Response = 222029730 Manual Peak Response = 199327651 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #15: Dalapon #2



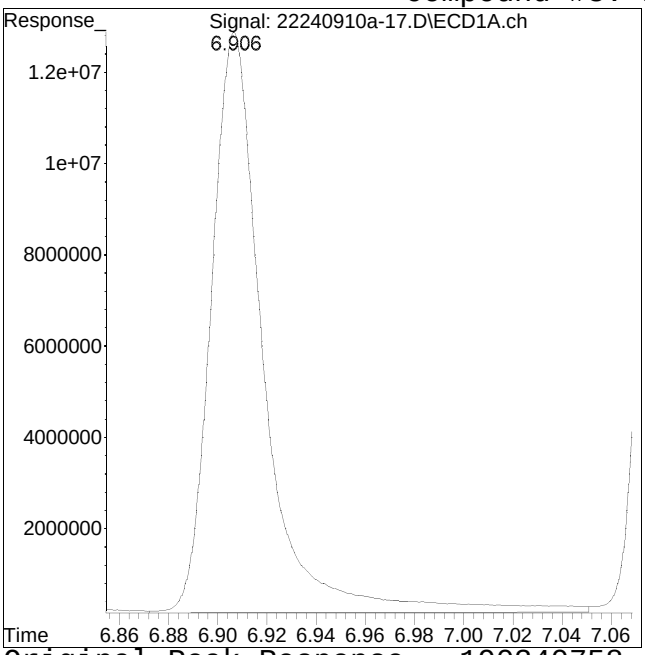


Original Peak Response = 229940517 Manual Peak Response = 228452427 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

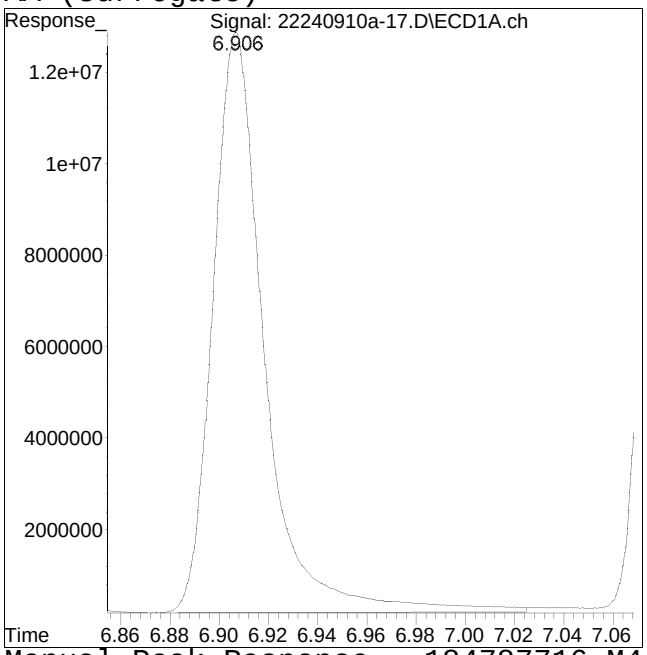
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 190340758



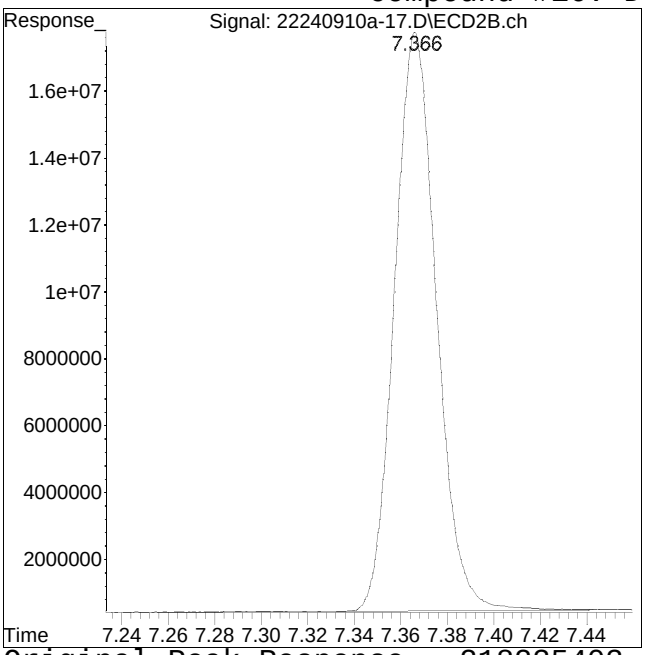
Manual Peak Response = 184787716 M4

M4 = Poor automated baseline construction.

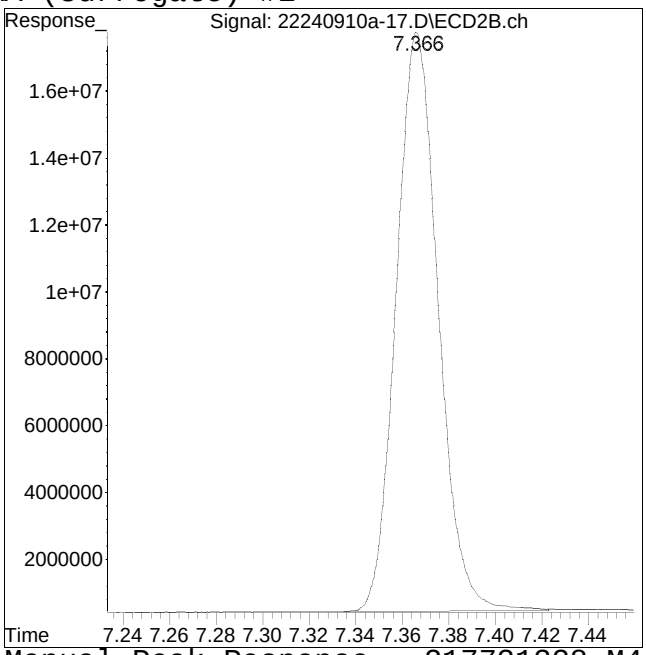
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 218235403



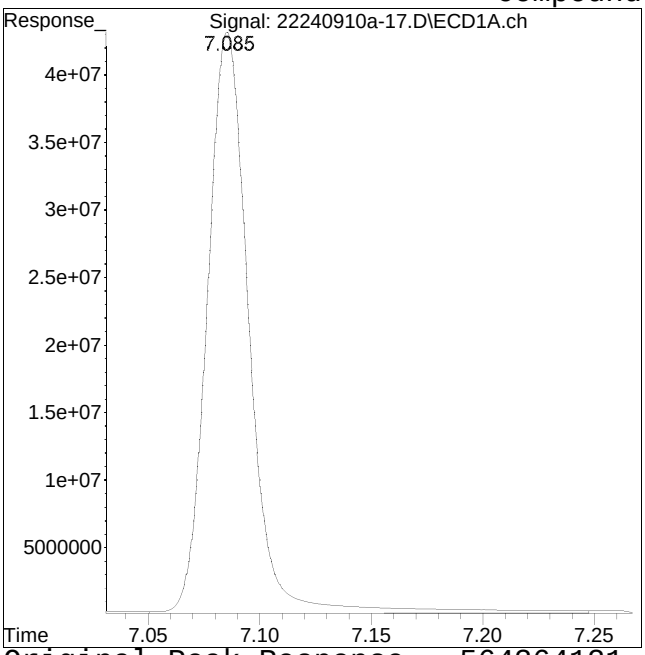
Manual Peak Response = 217731328 M4

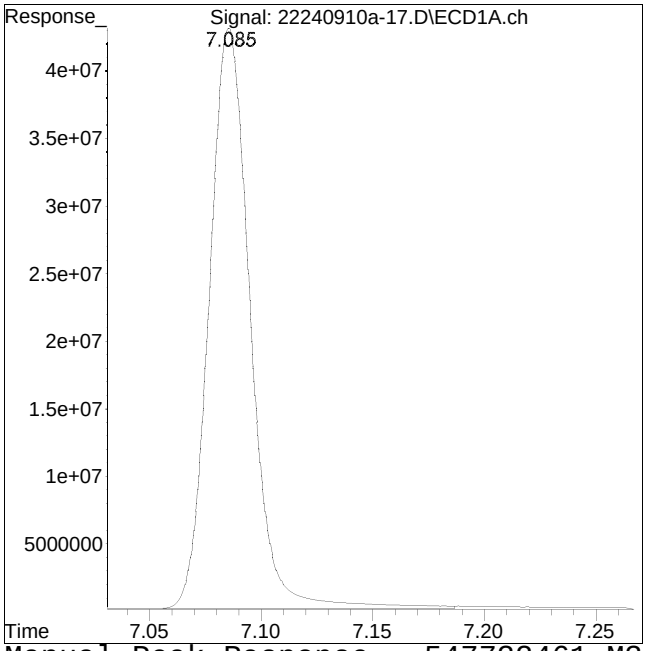
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #4: Dicamba



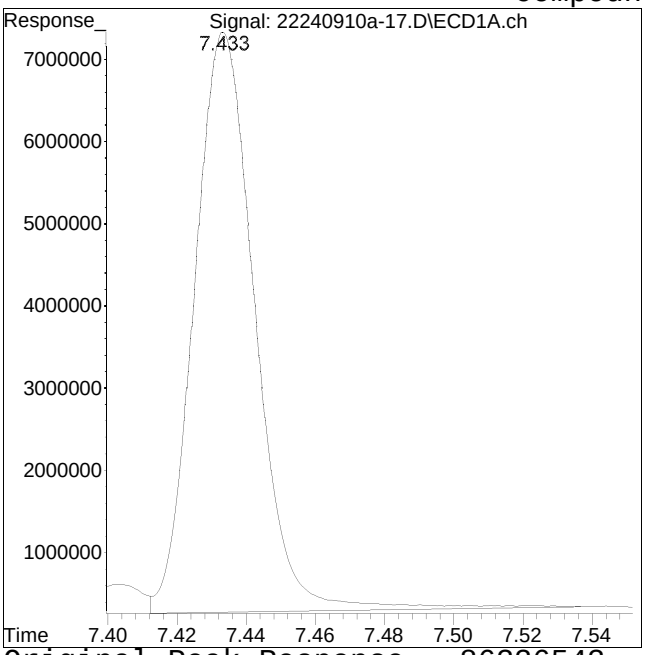


Original Peak Response = 564364121 Manual Peak Response = 547732461 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

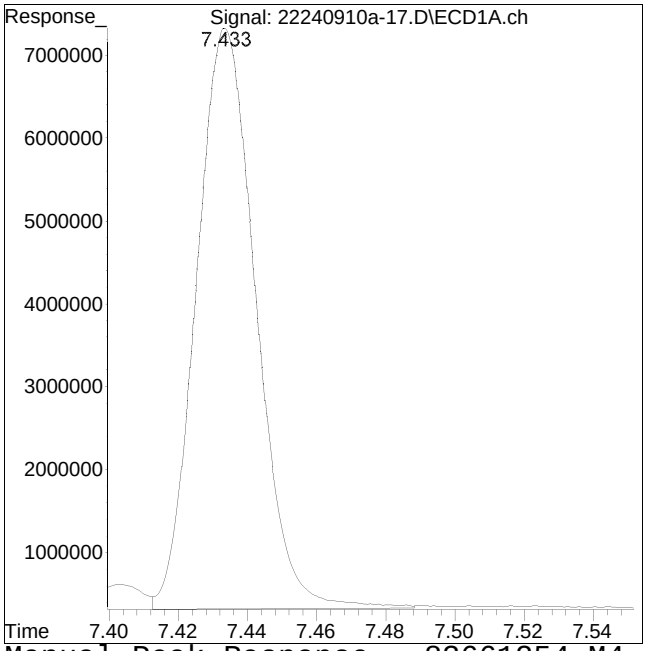
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #6: MCPA



Original Peak Response = 86336543



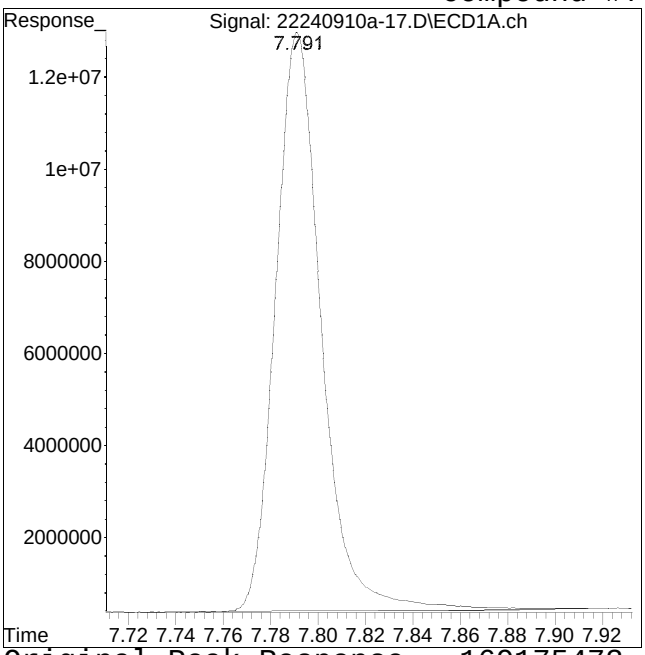
Manual Peak Response = 83661254 M4

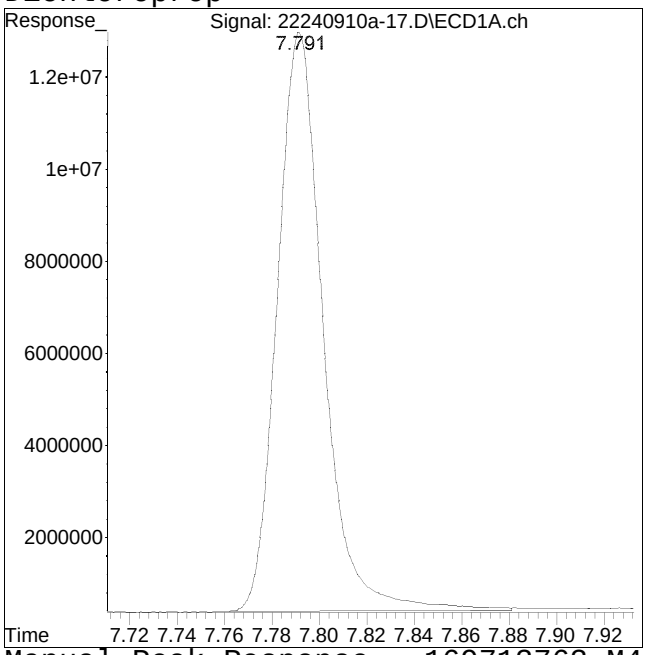
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #7: Dichloroprop



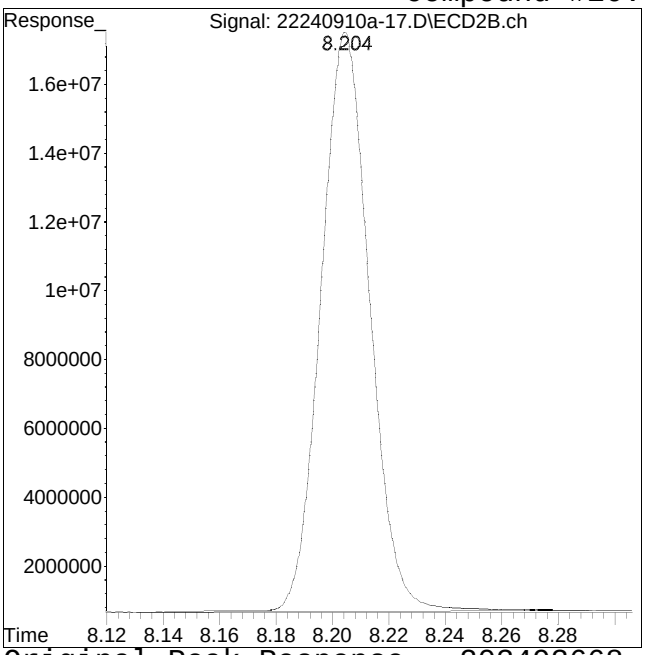


Original Peak Response = 169175473 Manual Peak Response = 169713763 M4
M4 = Poor automated baseline construction.

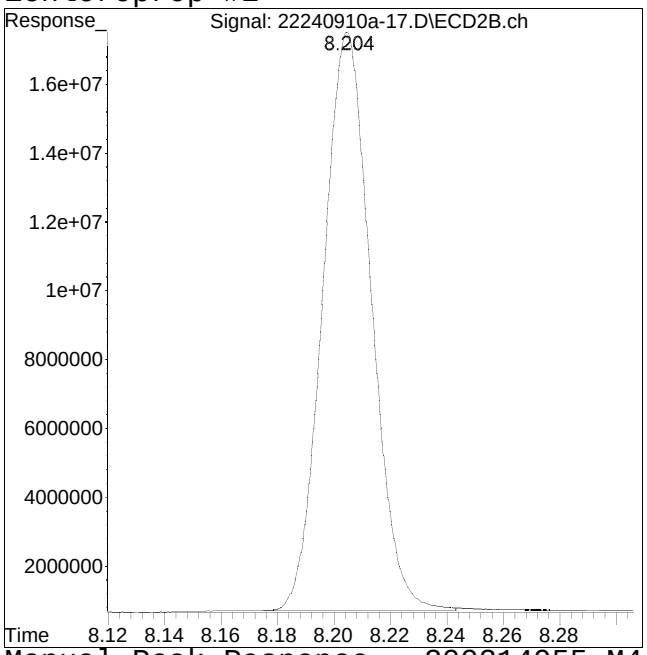
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #20: Dichloroprop #2



Original Peak Response = 203493668



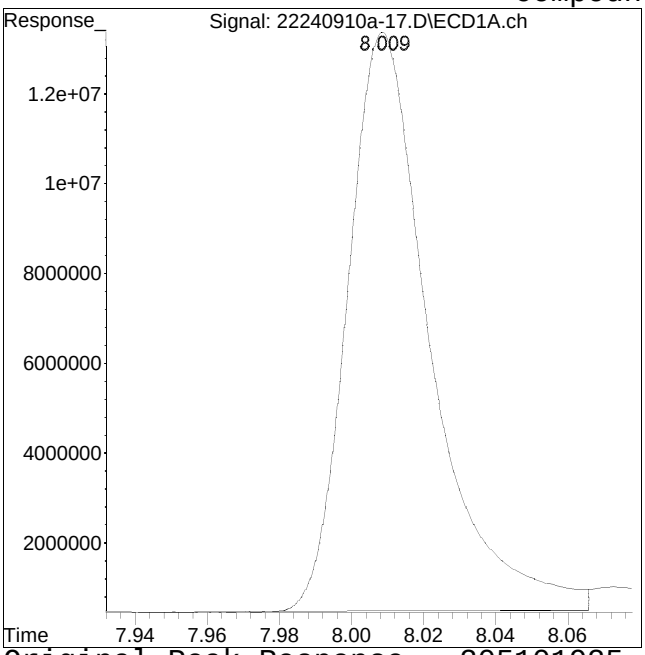
Manual Peak Response = 200214955 M4

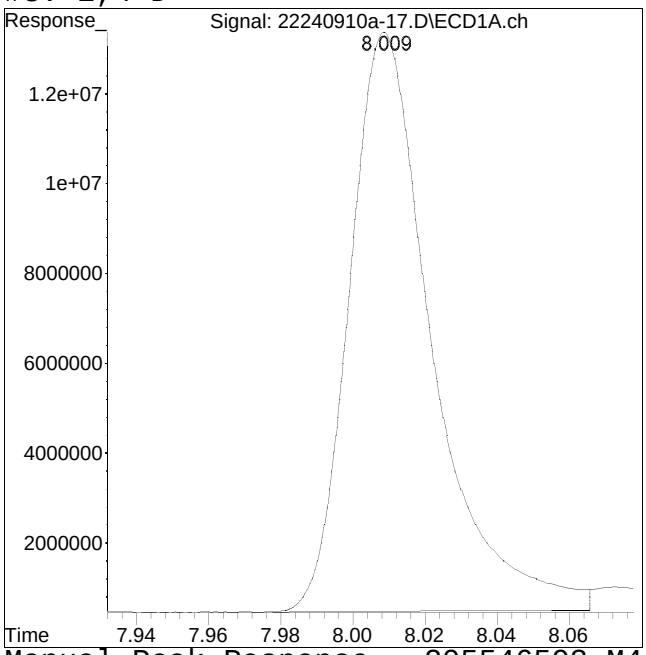
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #8: 2,4-D



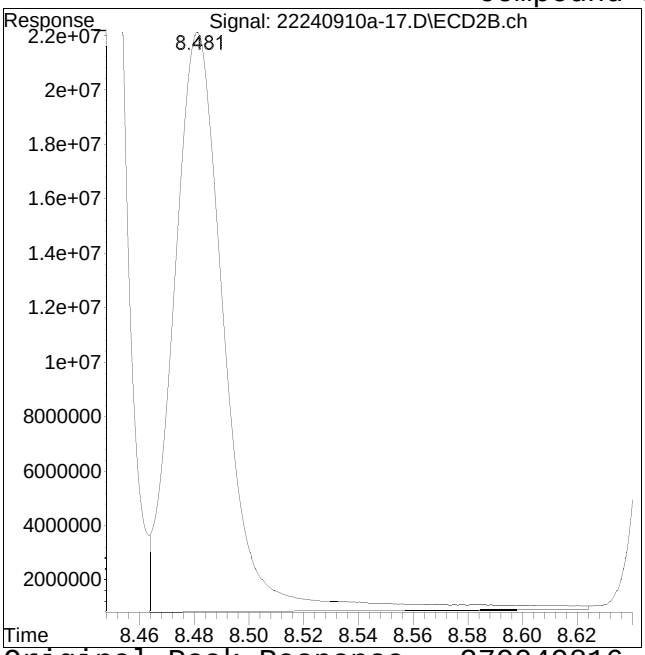


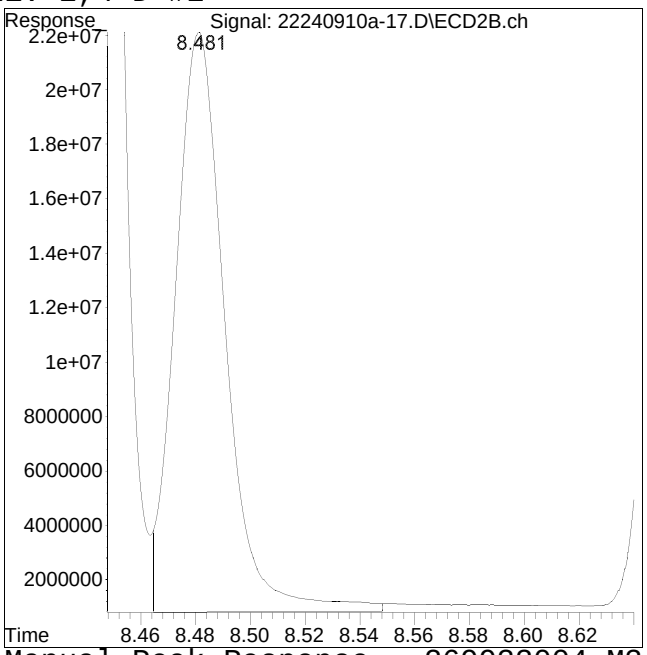
Original Peak Response = 205101925 Manual Peak Response = 205546593 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #21: 2,4-D #2



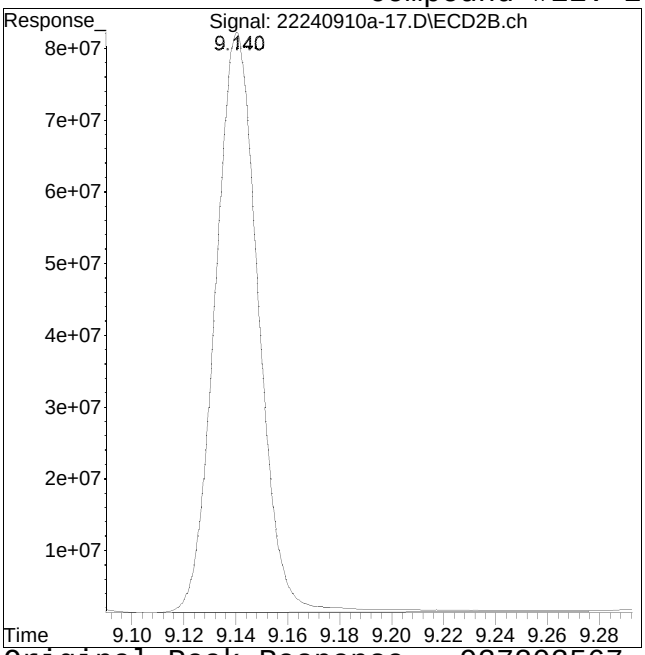


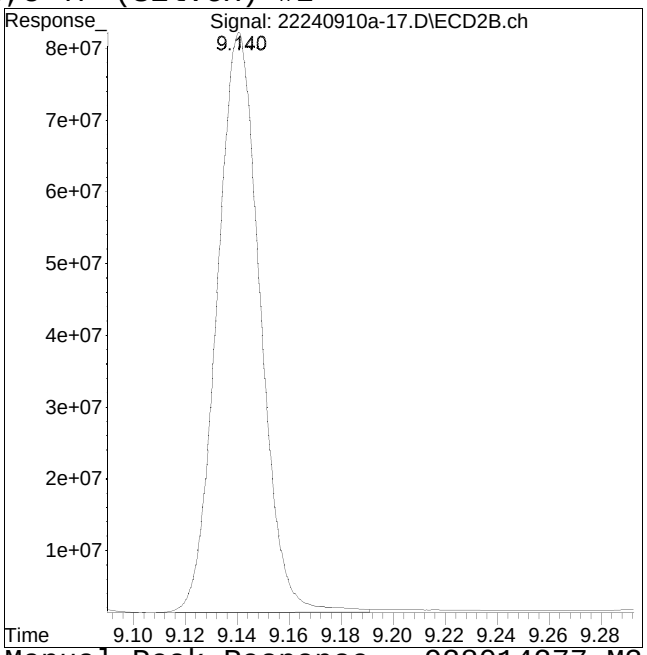
Original Peak Response = 279049816 Manual Peak Response = 269933004 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #22: 2,4,5-TP (Silvex) #2



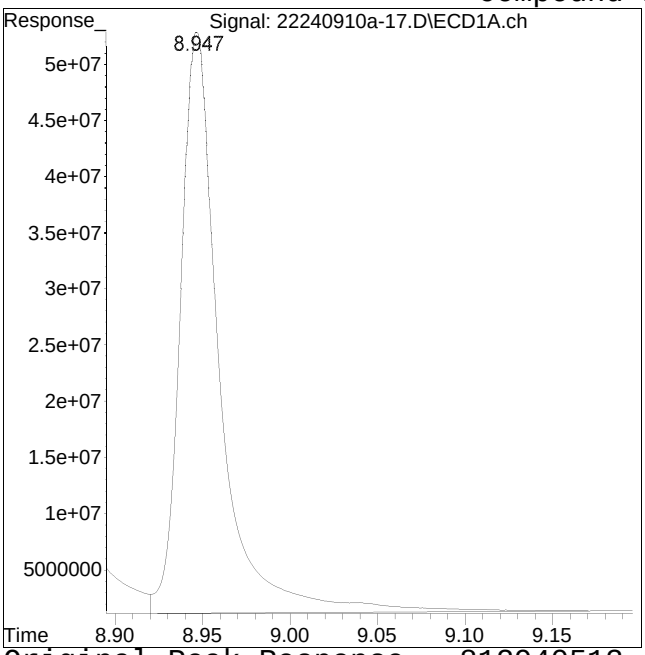


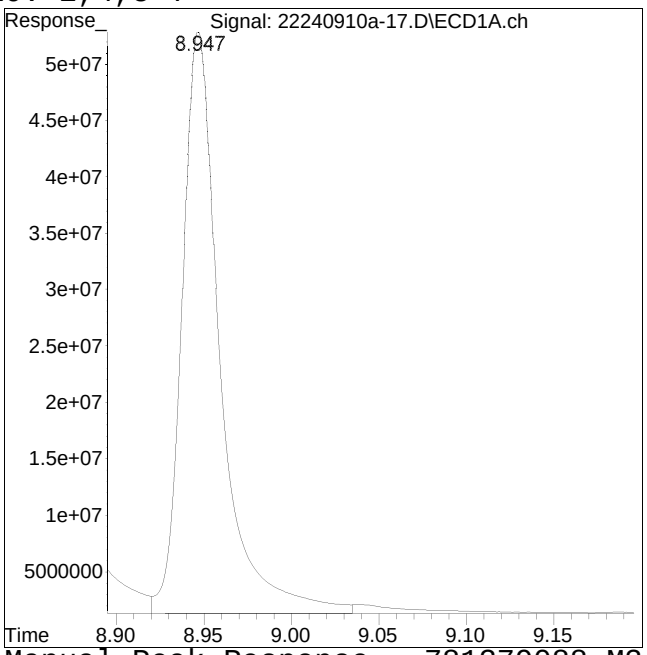
Original Peak Response = 937203567 Manual Peak Response = 928014277 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #10: 2,4,5-T



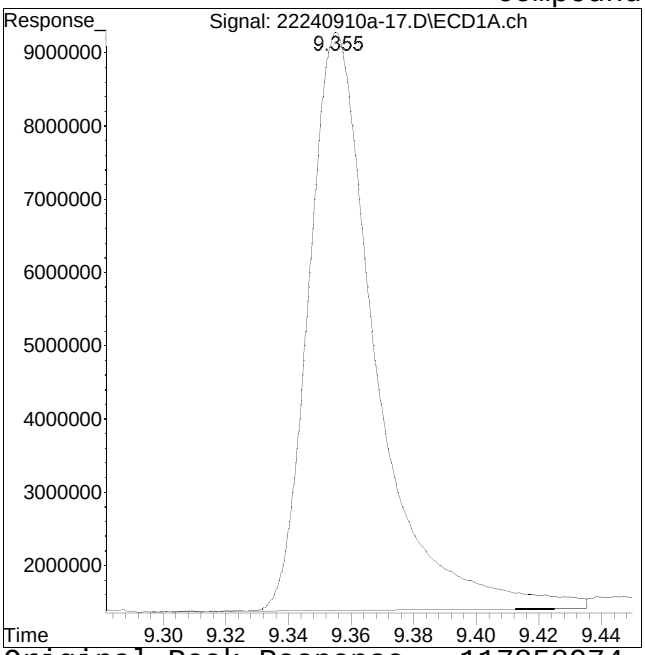


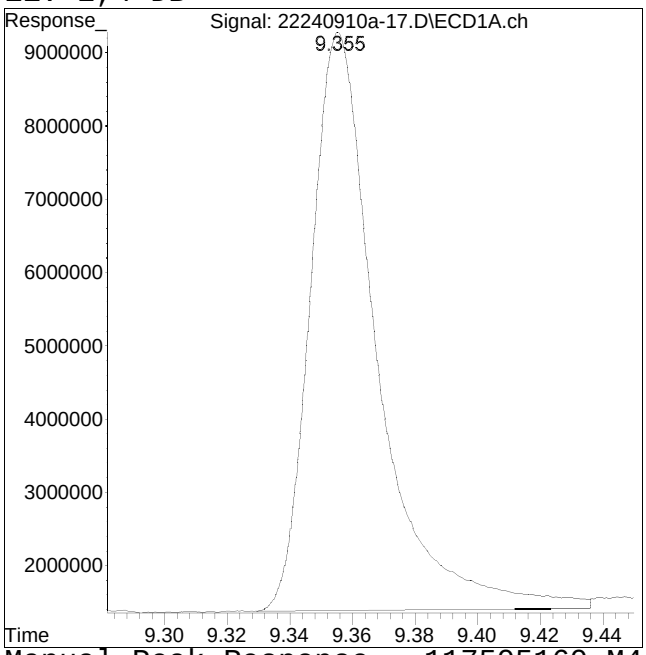
Original Peak Response = 812940513 Manual Peak Response = 781379088 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #11: 2,4-DB



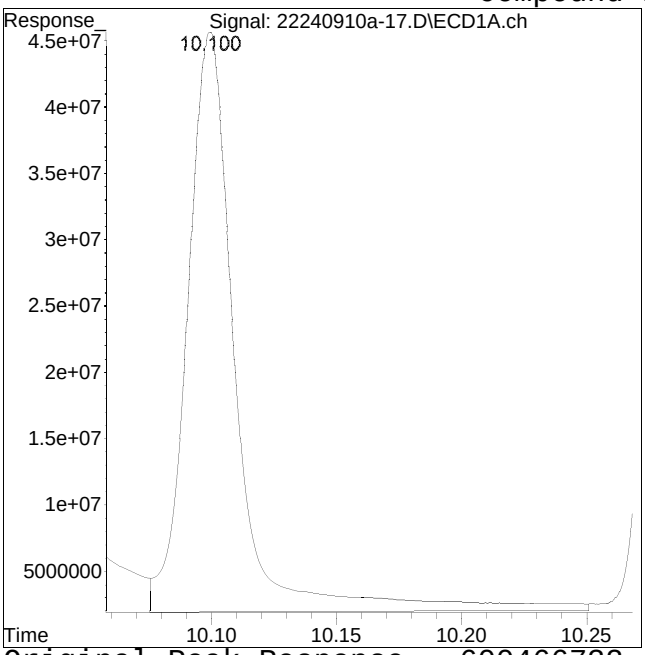


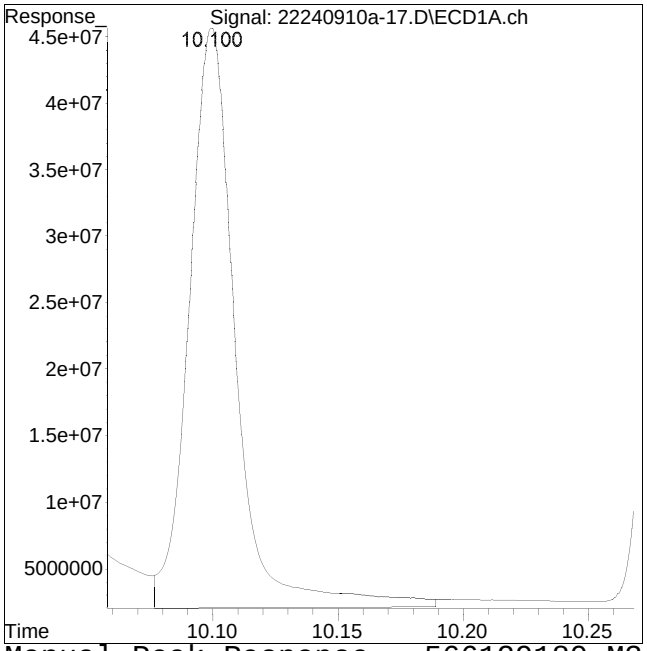
Original Peak Response = 117858974 Manual Peak Response = 117505160 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #12: Dinoseb



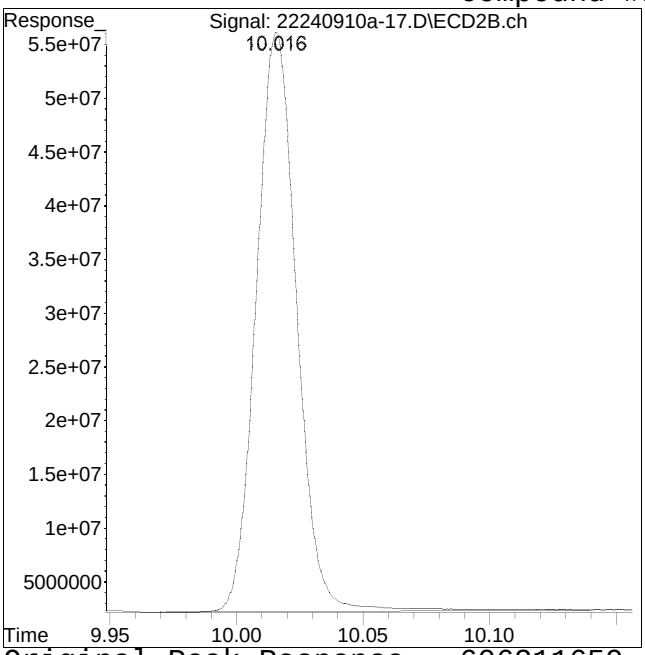


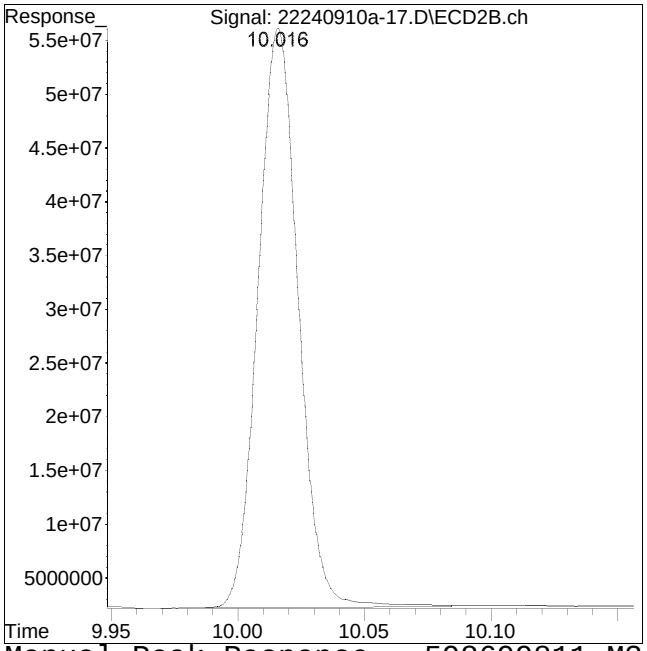
Original Peak Response = 600466732 Manual Peak Response = 566129180 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-17.D Operator : pest22:ejl
Date Inj'd : 9/10/2024 12:52 pm Instrument : Pest22
Sample : wg1969563-2,42,, herb11705Quant Date : 9/10/2024 1:17 pm

Compound #25: Dinoseb #2





Original Peak Response = 606211659 Manual Peak Response = 598699811 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**

No Detections Found

Herbicides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:14
Operator : pest22:mmg
Sample : WG1968926-1,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:27 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-01.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.460	8.440	1140.1E6	1419.1E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 1123535338				Recovery = 101.48%		
	Standard Area 1 : #2 = 1363960270				Recovery = 104.04%		
System Monitoring Compounds							
3) s	DCAA (surrog	6.918	7.366	416.8E6	505.9E6	0.471M3	0.459M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	94.20%	91.80%
Target Compounds							
2) t	Dalapon	0.000	0.000	0	0	N.D. d	N.D. d
4) t	Dicamba	0.000	0.000	0	0	N.D. d	N.D. d
5) t	MCPP	0.000	0.000	0	0	N.D. d	N.D. d
6) t	MCPA	0.000	0.000	0	0	N.D. d	N.D. d
7) t	Dichloroprop	0.000	0.000	0	0	N.D. d	N.D. d
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
11) t	2,4-DB	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Dinoseb	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

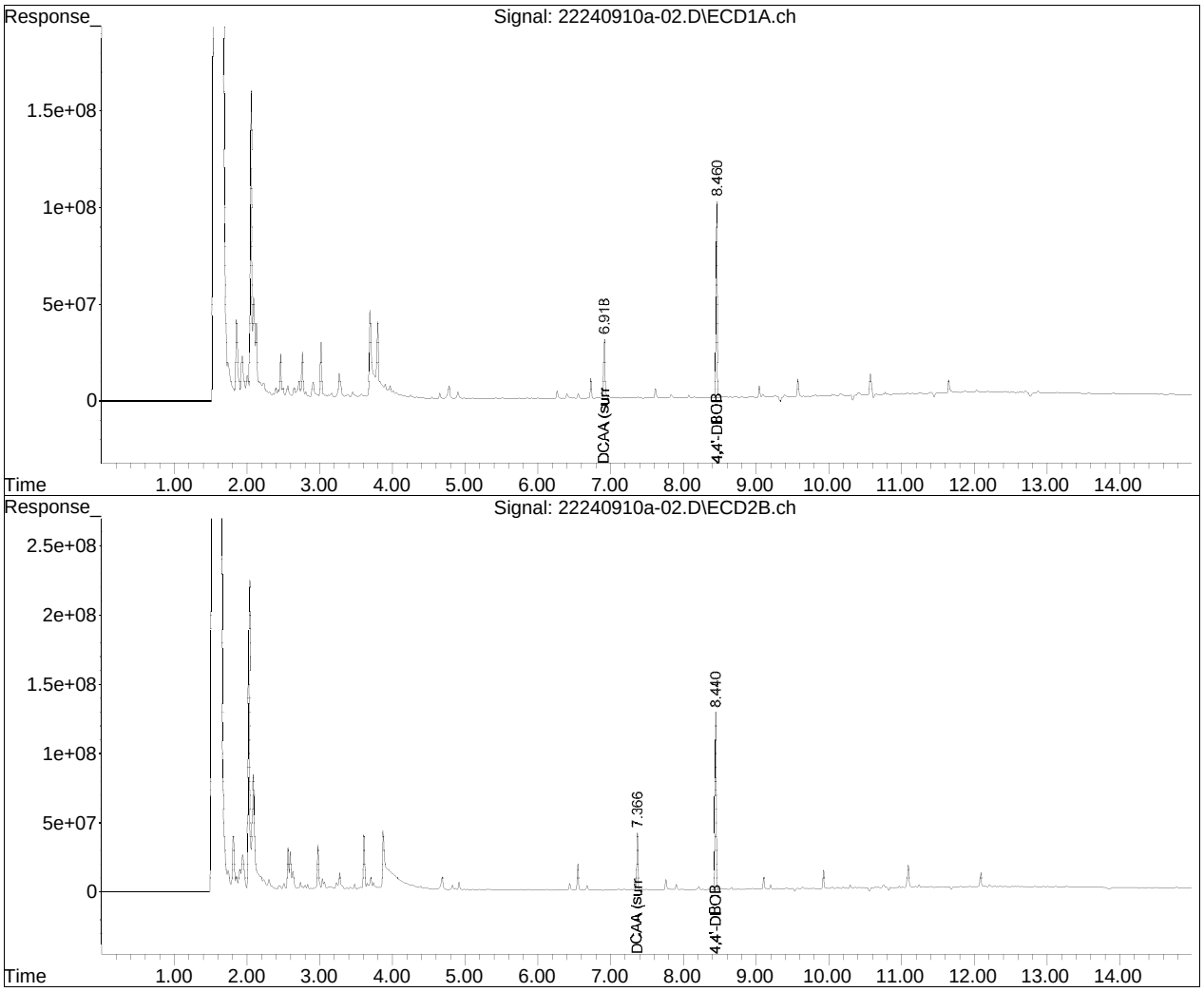
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-01.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:14
Operator : pest22:mmg
Sample : WG1968926-1,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:27 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

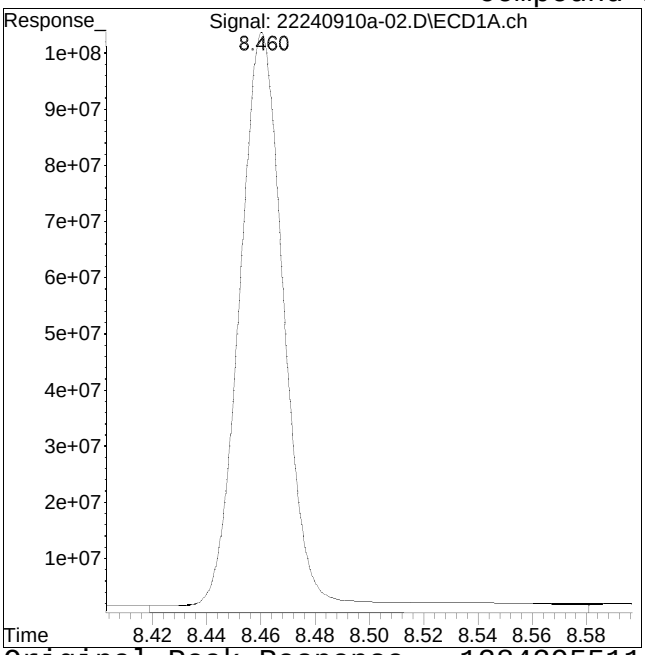
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

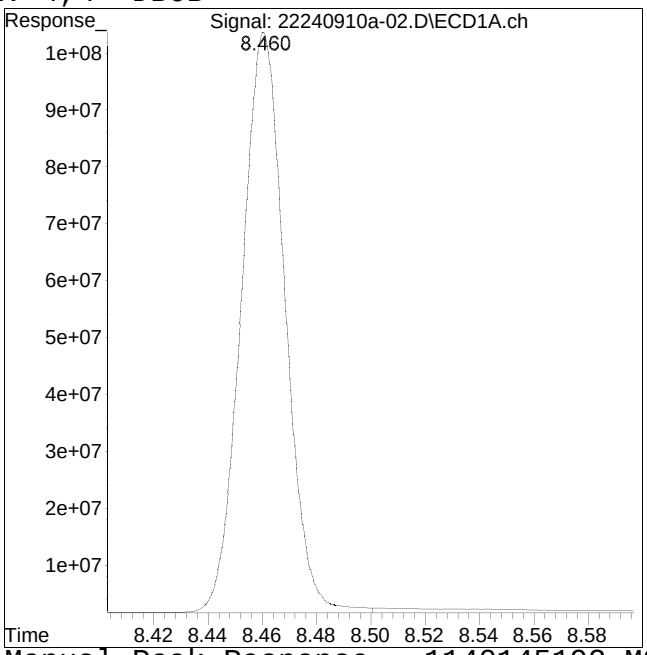


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-02.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:14 Instrument : Pest22
Sample : WG1968926-1,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #1: 4,4'-DBOB



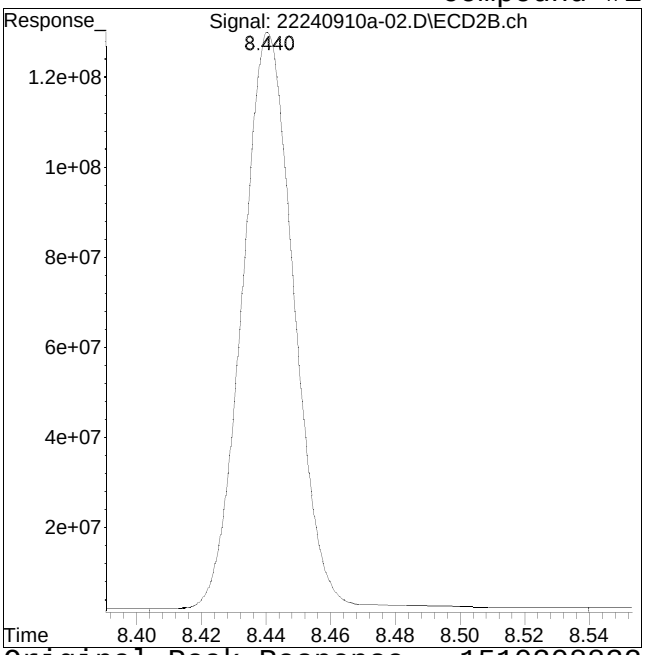


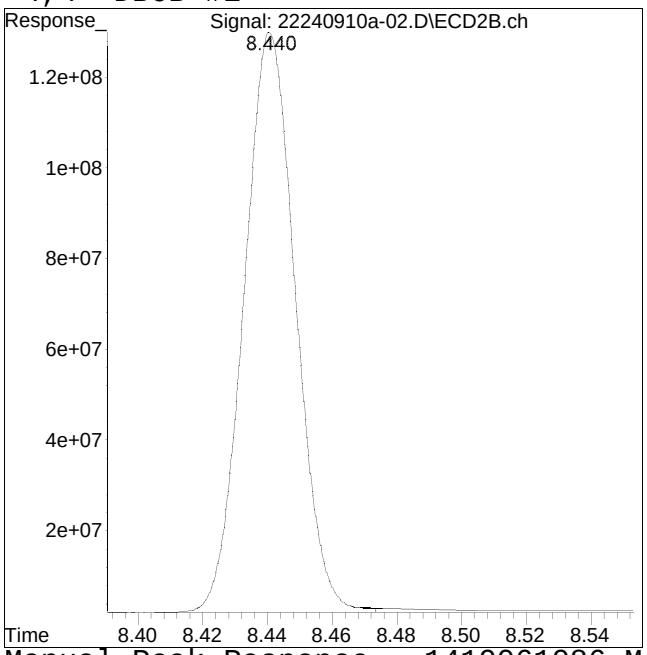
Original Peak Response = 1284295511 Manual Peak Response = 1140145192 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-02.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:14 Instrument : Pest22
Sample : WG1968926-1,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #14: 4,4'-DBOB #2



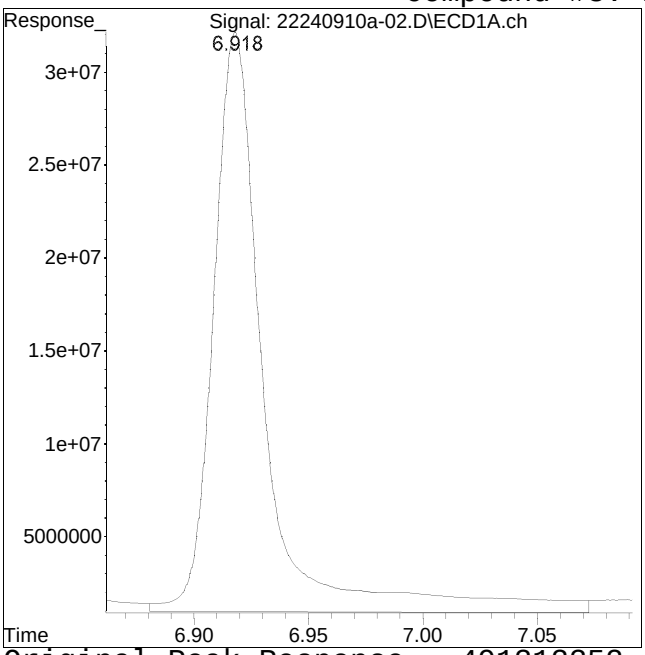


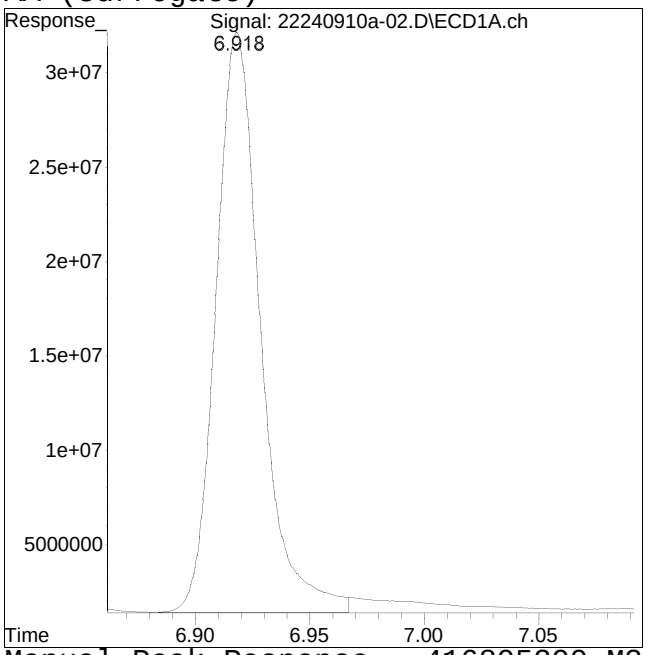
Original Peak Response = 1510308832 Manual Peak Response = 1419061086 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-02.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:14 Instrument : Pest22
Sample : WG1968926-1,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #3: DCAA (surrogate)



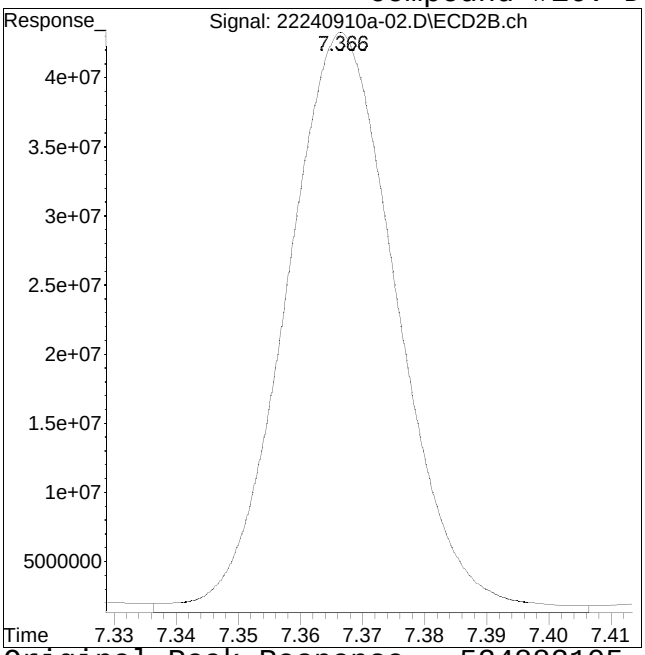


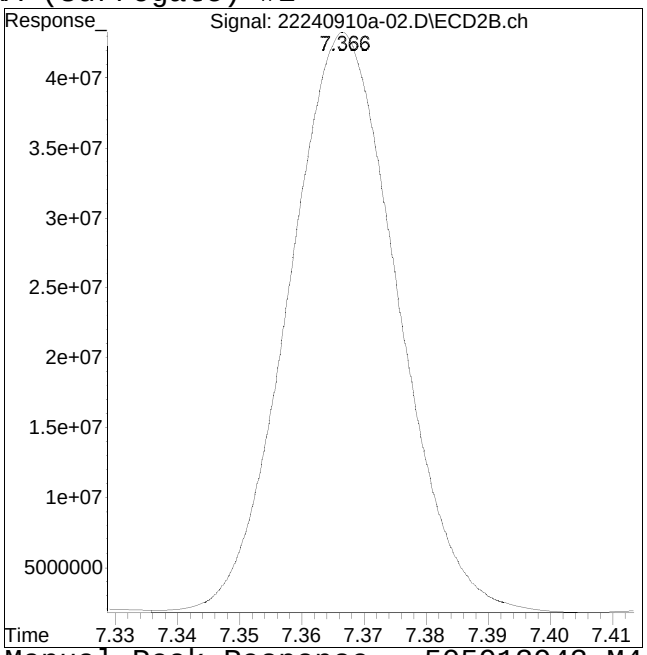
Original Peak Response = 491312352 Manual Peak Response = 416805290 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-02.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:14 Instrument : Pest22
Sample : WG1968926-1,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #16: DCAA (surrogate) #2





Original Peak Response = 524882105 Manual Peak Response = 505913943 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:33
Operator : pest22:mmg
Sample : WG1968926-2,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:28 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-01.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.450	8.440	1103.0E6	1681.2E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 1123535338				Recovery = 98.17%		
	Standard Area 1 : #2 = 1363960270				Recovery = 123.26%		
	System Monitoring Compounds						
3) s	DCAA (surrog	6.907	7.366	214.4E6	336.2E6	0.250M3	0.257M4
	Spiked Amount 0.500	Range 30 - 150		Recovery = 50.00%		51.40%	
	Target Compounds						
2) t	Dalapon	2.331	2.322	245.9E6	258.9E6	0.269M4	0.180M4
4) t	Dicamba	7.087	7.545	801.2E6	966.5E6	0.322M3	0.252M4
5) t	MCPP	7.289	7.659	51412848	101.3E6	26.192M4	25.742M3
6) t	MCPA	7.436	7.885	168.7E6	160.0E6	44.444M3	22.550M4
7) t	Dichloroprop	7.791	8.203	244.0E6	282.1E6	0.308M4	0.233M4
8) t	2,4-D	8.005	8.479	278.9E6	481.2E6	0.292M4	0.319M3
9) t	2,4,5-TP (Si	8.721	9.135	1107.3E6	1683.2E6	0.312M4	0.308M3
10) t	2,4,5-T	8.941	9.429	1291.6E6	1373.2E6	0.361M3	0.264M4
11) t	2,4-DB	9.351	9.790	228.8E6	195.4E6	0.439M4	0.223M4
12) t	Dinoseb	10.099	10.015	510.8E6	755.9E6	0.199M4	0.214M4

SemiQuant Compounds - Not Calibrated on this Instrument

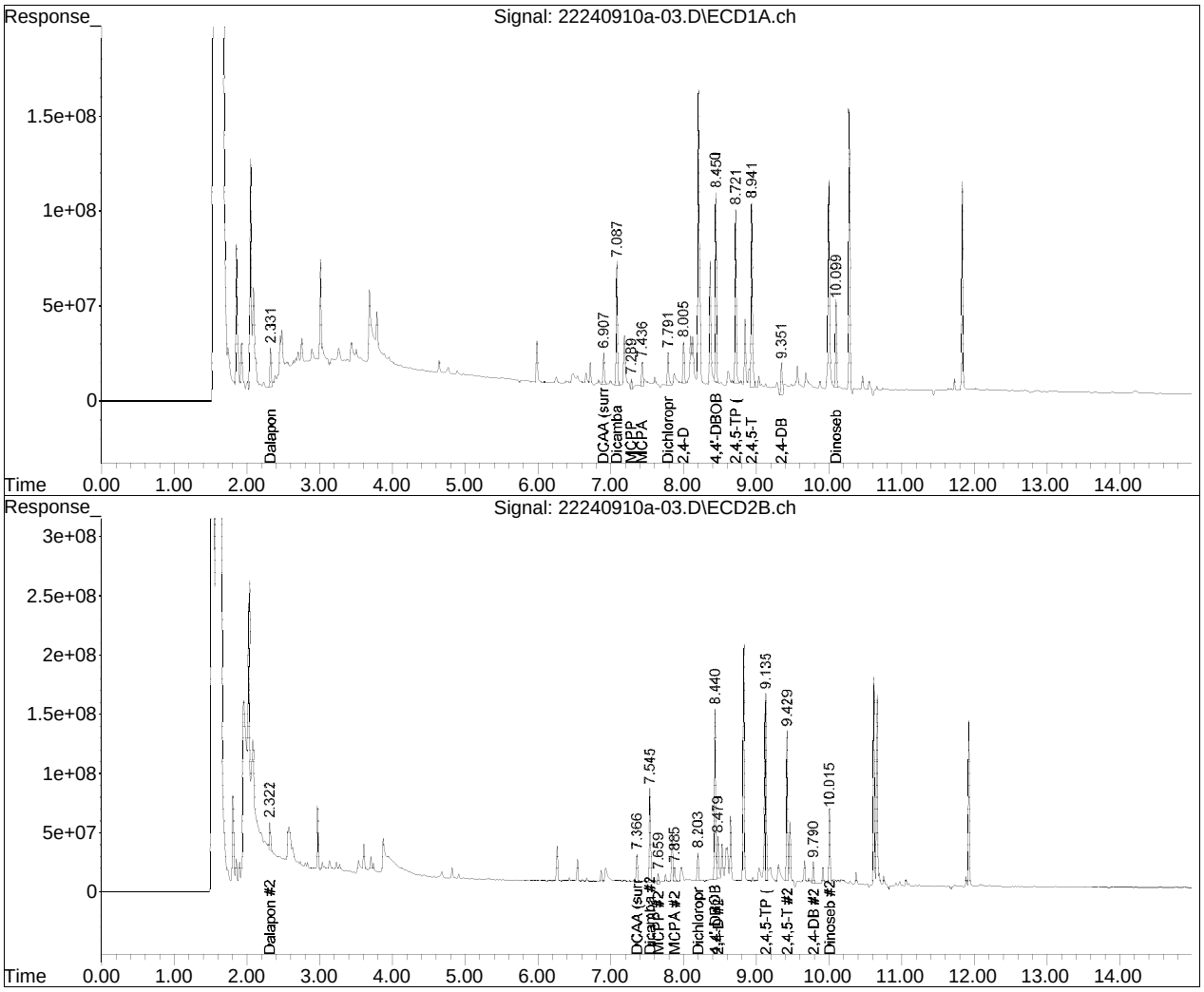
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-01.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:33
Operator : pest22:mmg
Sample : WG1968926-2,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:28 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

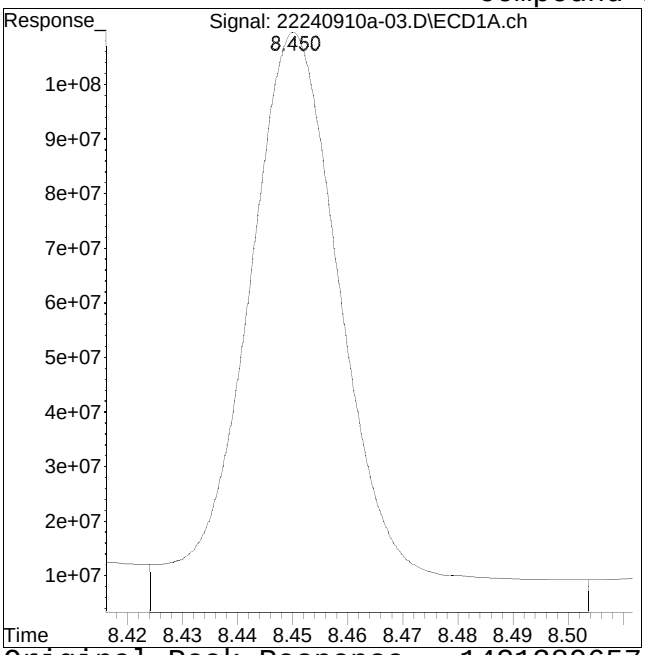
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

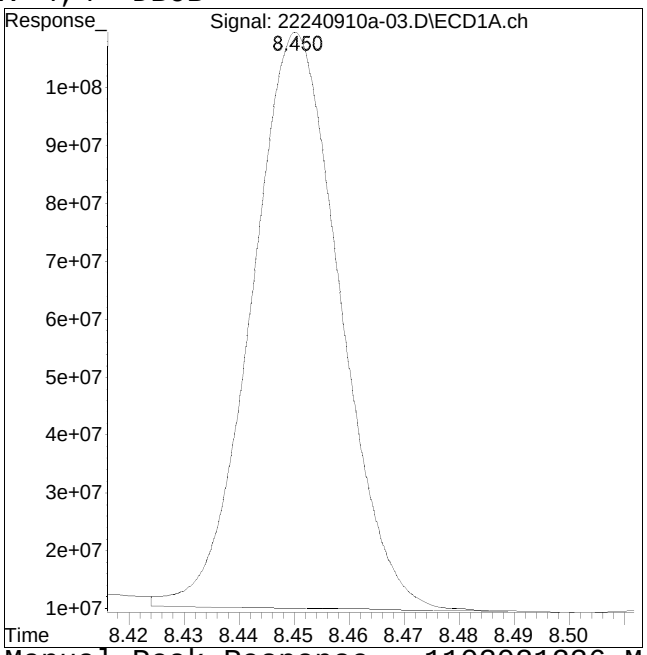


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #1: 4,4'-DBOB



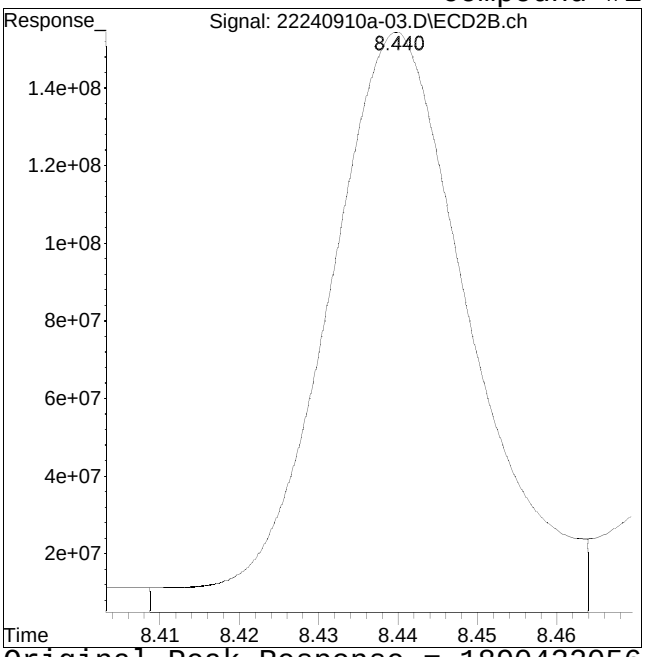


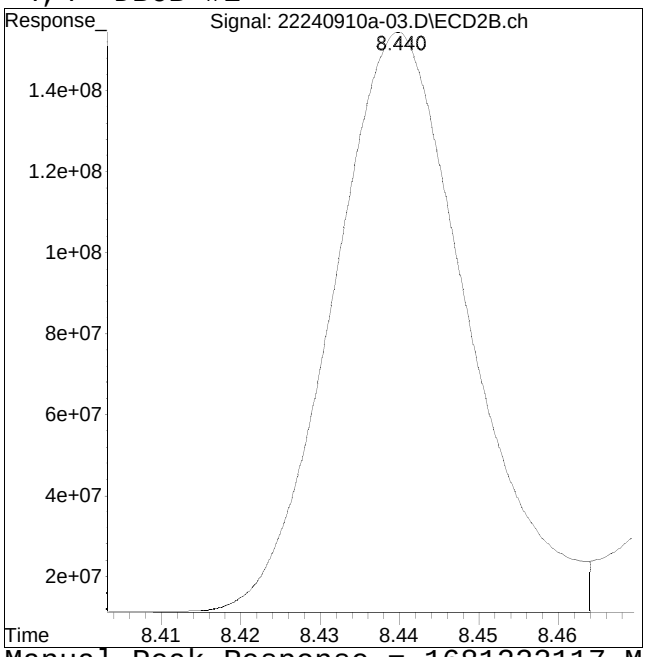
Original Peak Response = 1421389657 Manual Peak Response = 1103021236 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #14: 4,4'-DBOB #2



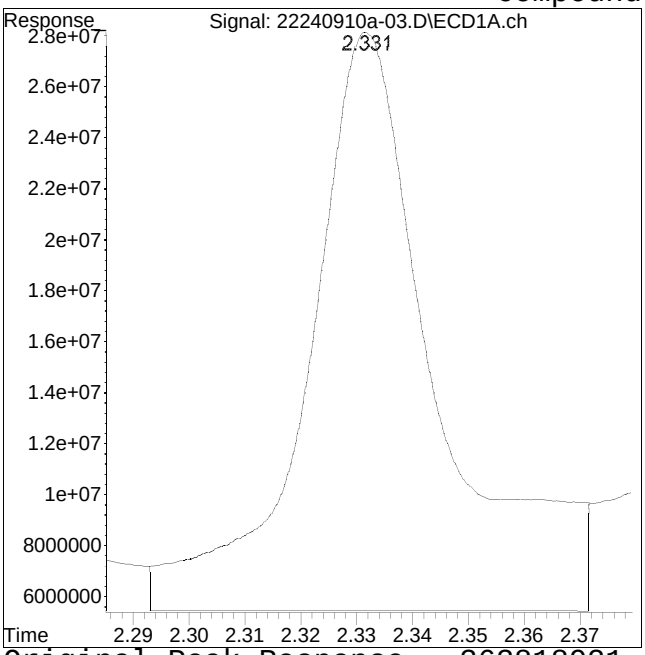


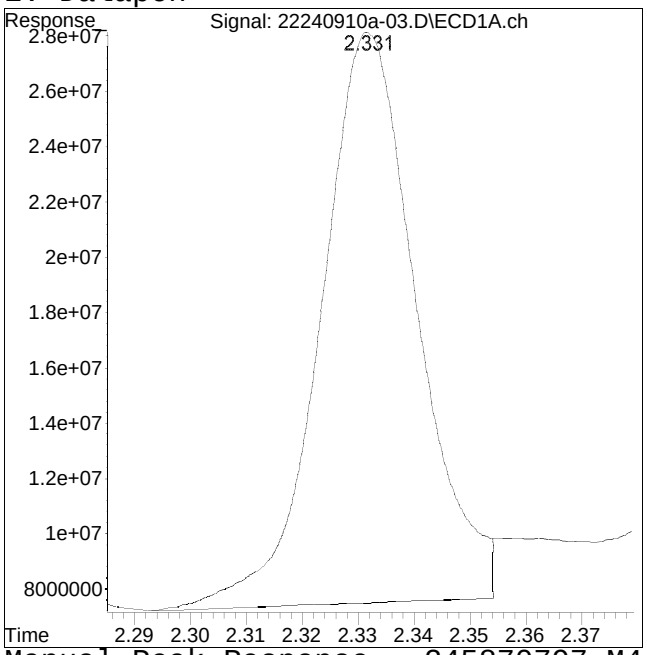
Original Peak Response = 1890432056 Manual Peak Response = 1681223117 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #2: Dalapon



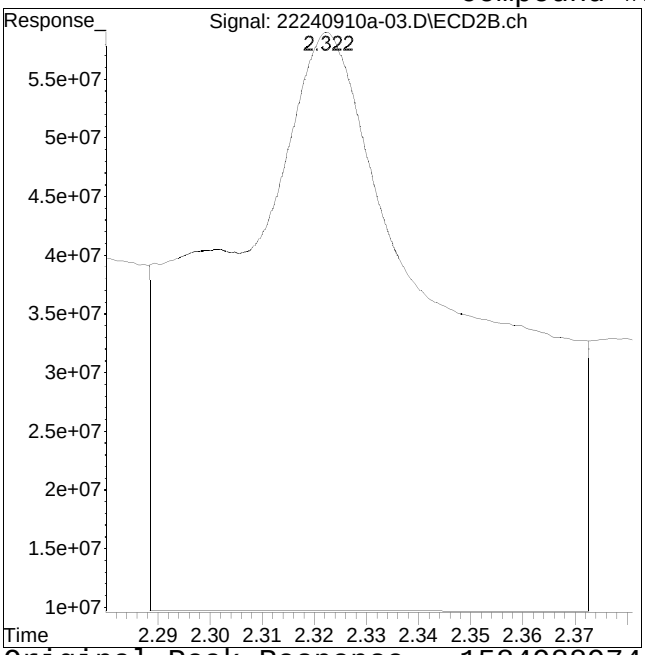


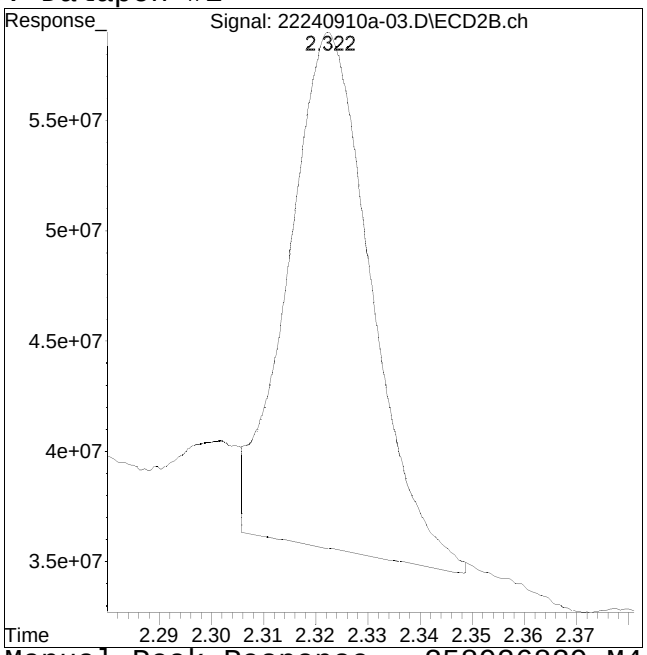
Original Peak Response = 363818921 Manual Peak Response = 245870797 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #15: Dalapon #2



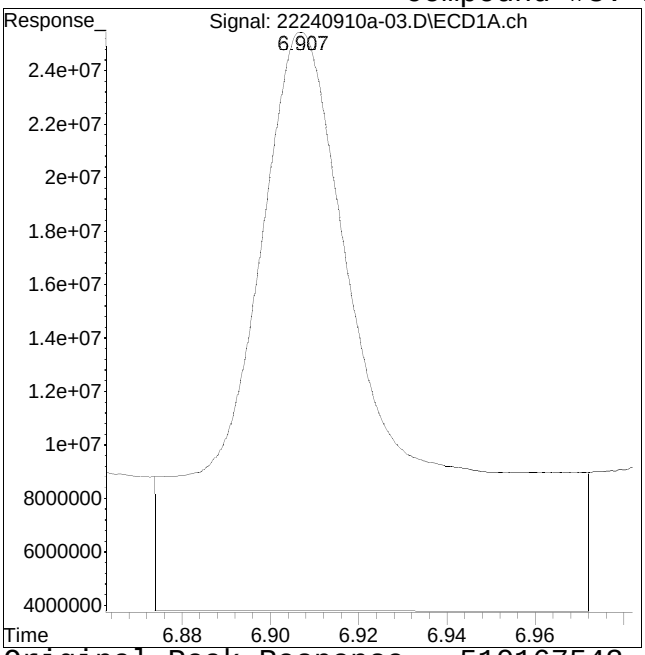


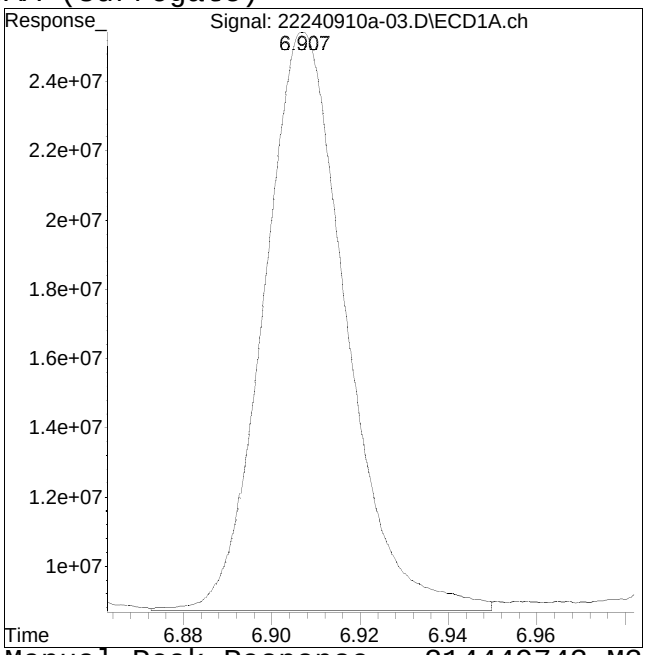
Original Peak Response = 1584988974 Manual Peak Response = 258926829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #3: DCAA (surrogate)



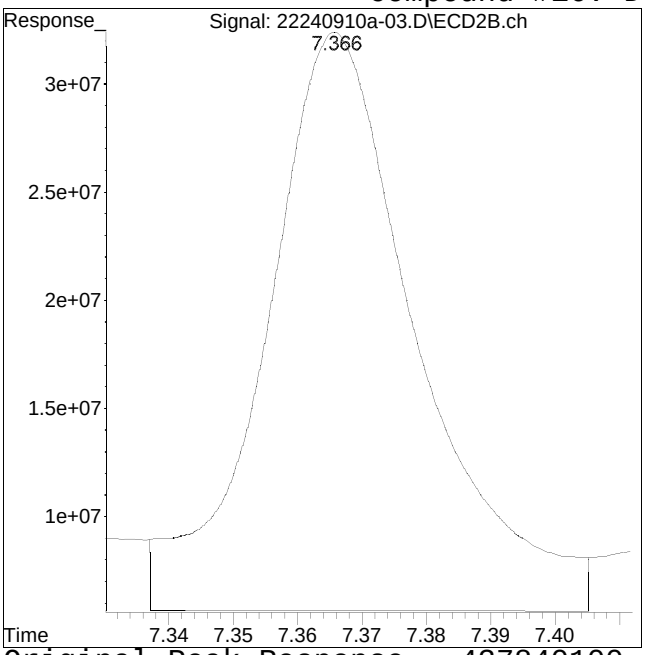


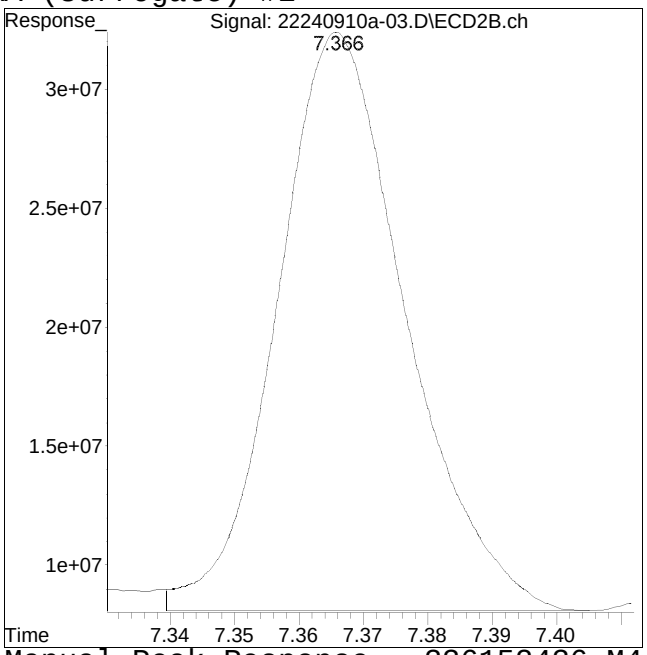
Original Peak Response = 510167543 Manual Peak Response = 214449743 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #16: DCAA (surrogate) #2



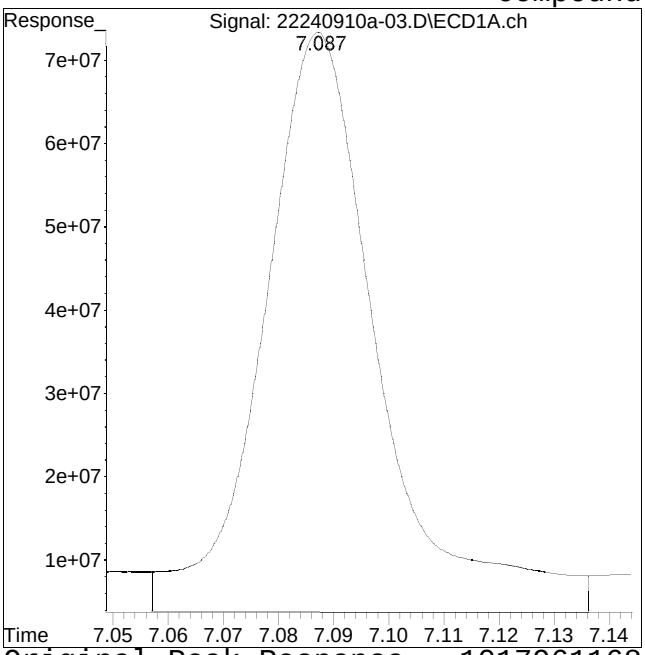


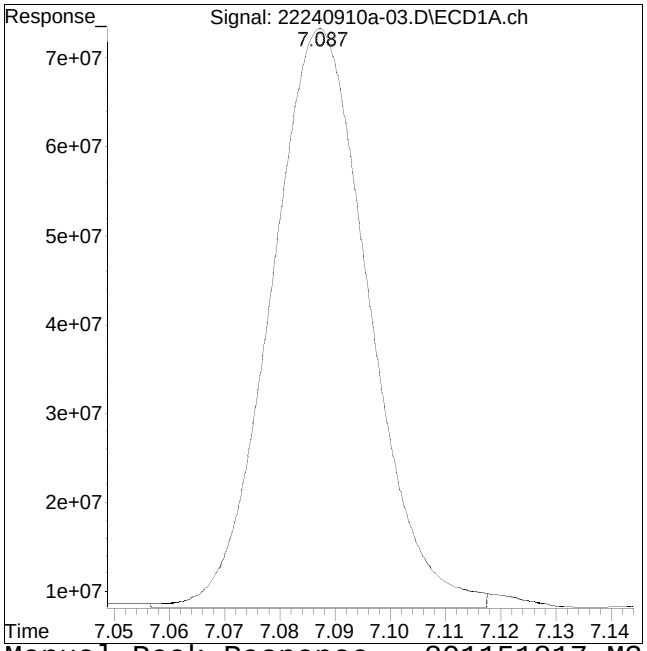
Original Peak Response = 437840100 Manual Peak Response = 336152436 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #4: Dicamba



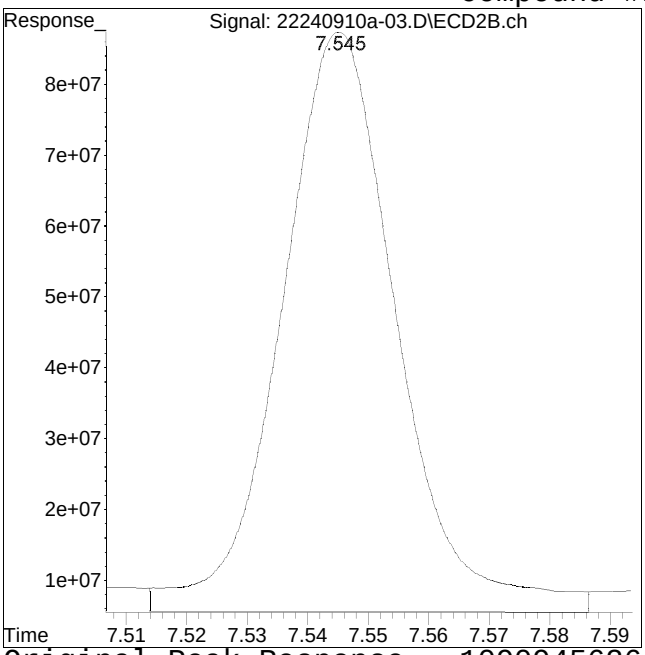


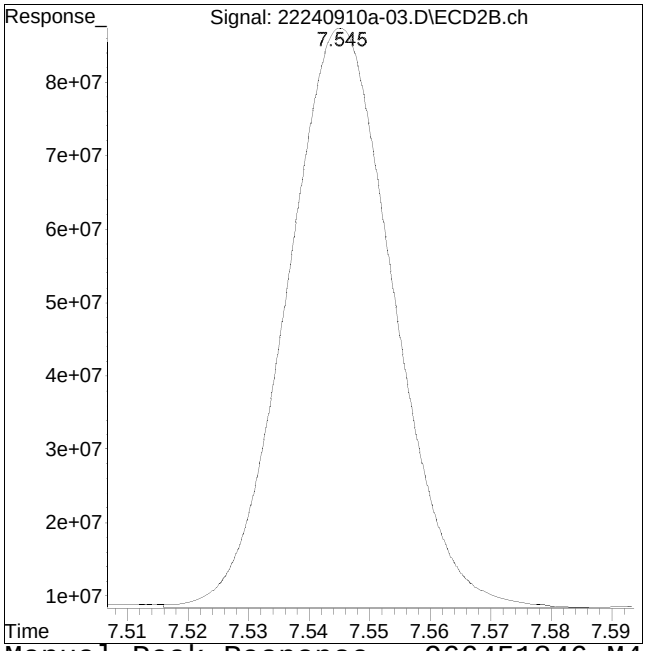
Original Peak Response = 1017961168 Manual Peak Response = 801151817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #17: Dicamba #2



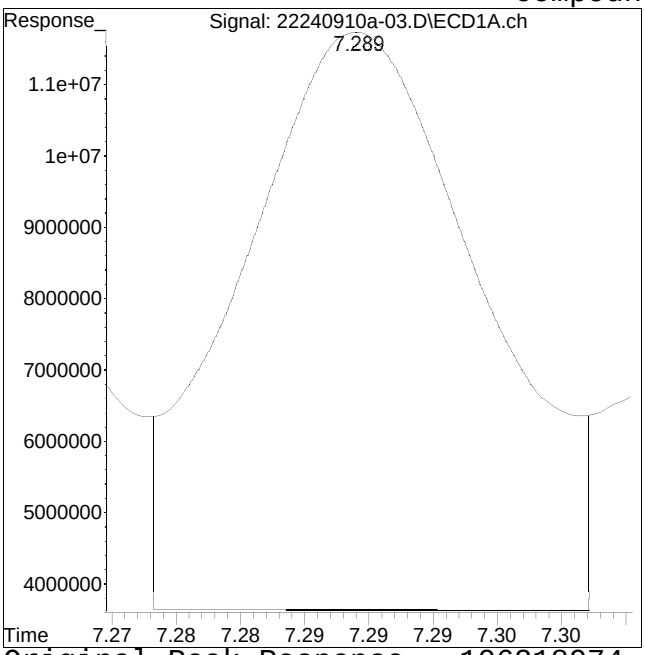


Original Peak Response = 1090945626 Manual Peak Response = 966451846 M4
M4 = Poor automated baseline construction.

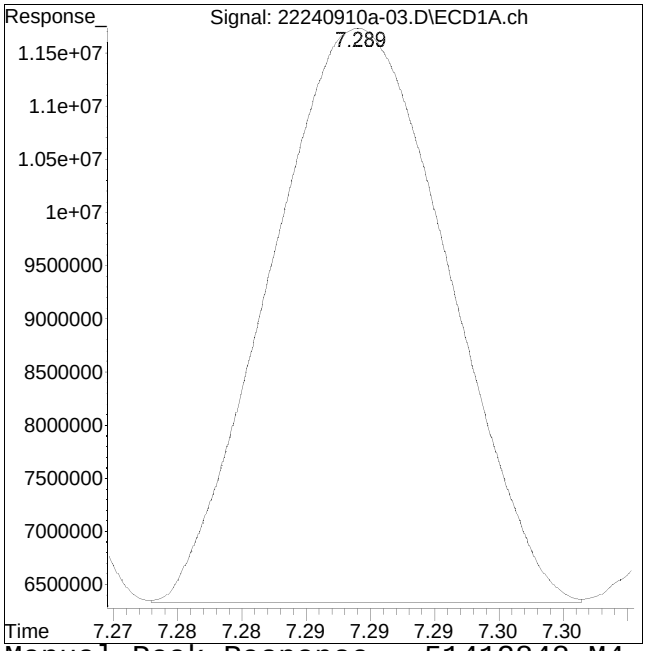
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #5: MCPP



Original Peak Response = 106218974

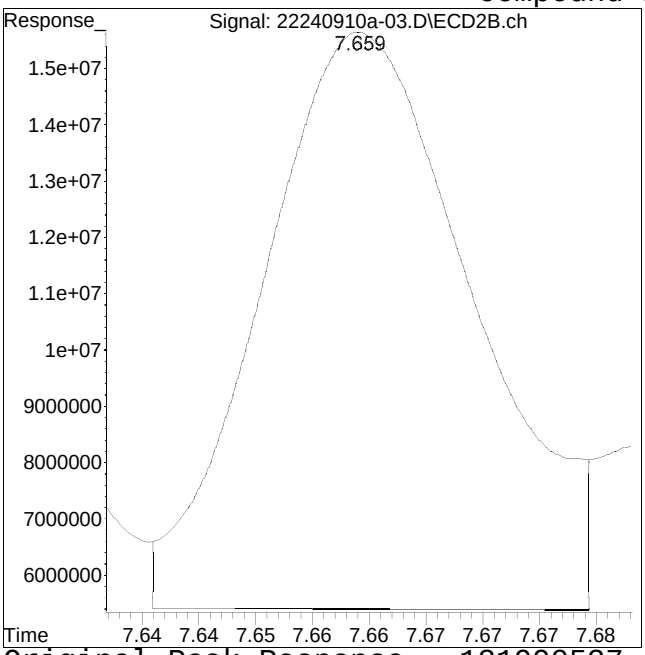


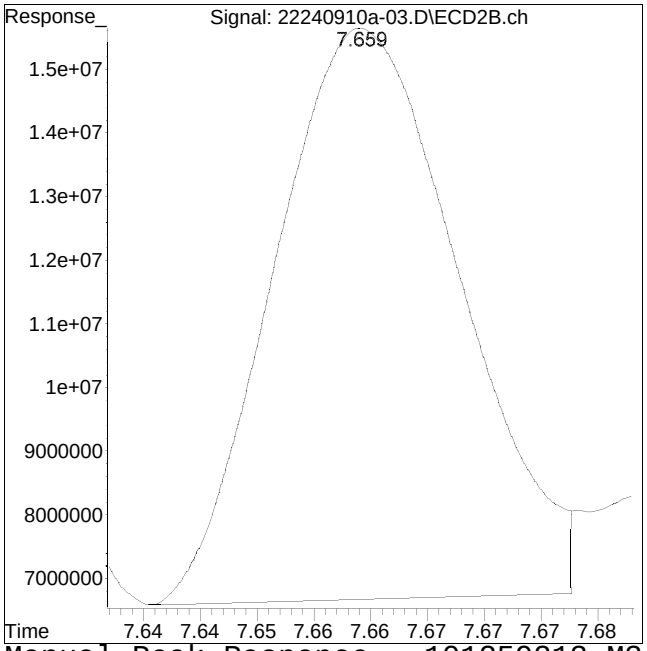
Manual Peak Response = 51412848 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #18: MCPP #2



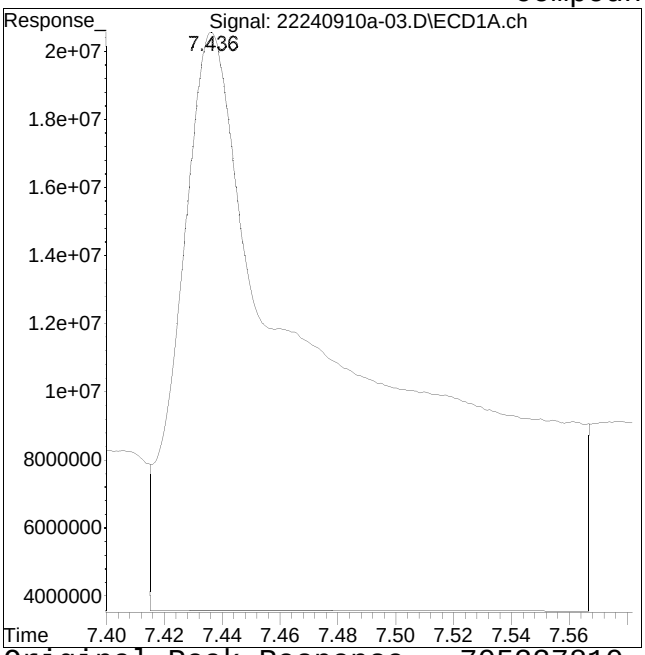


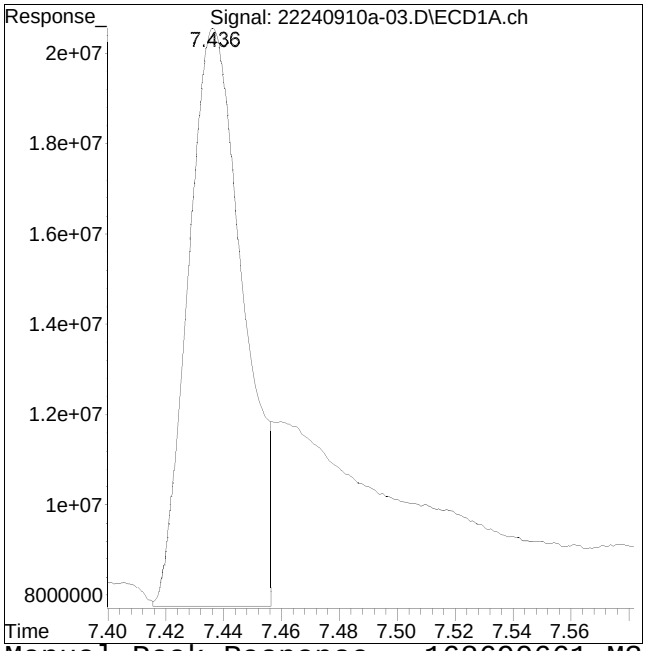
Original Peak Response = 131990537 Manual Peak Response = 101259213 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #6: MCPA



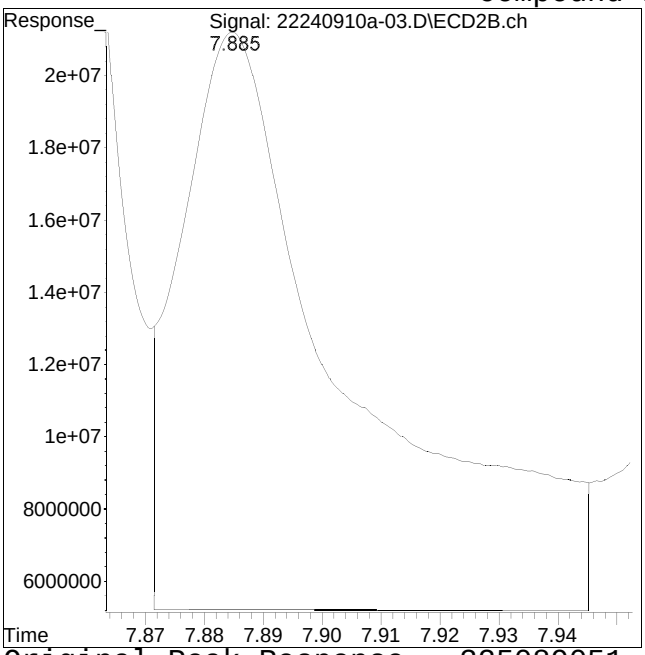


Original Peak Response = 705337810 Manual Peak Response = 168690661 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

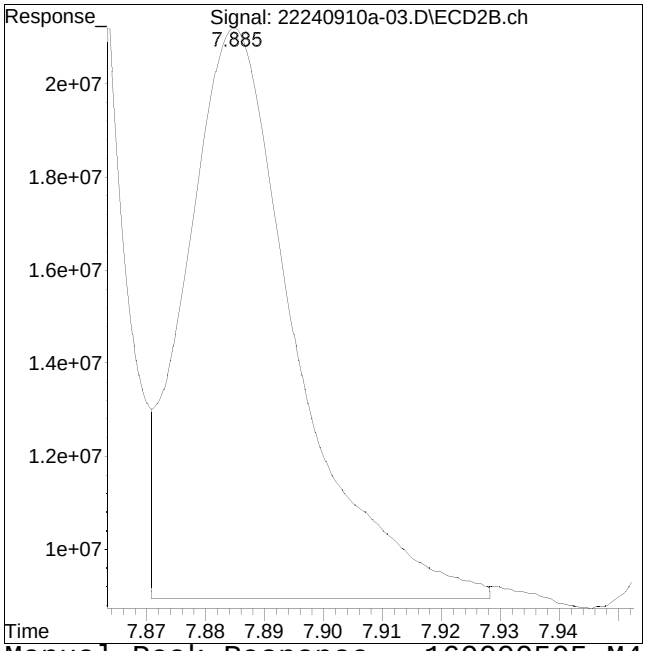
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #19: MCPA #2



Original Peak Response = 325089051



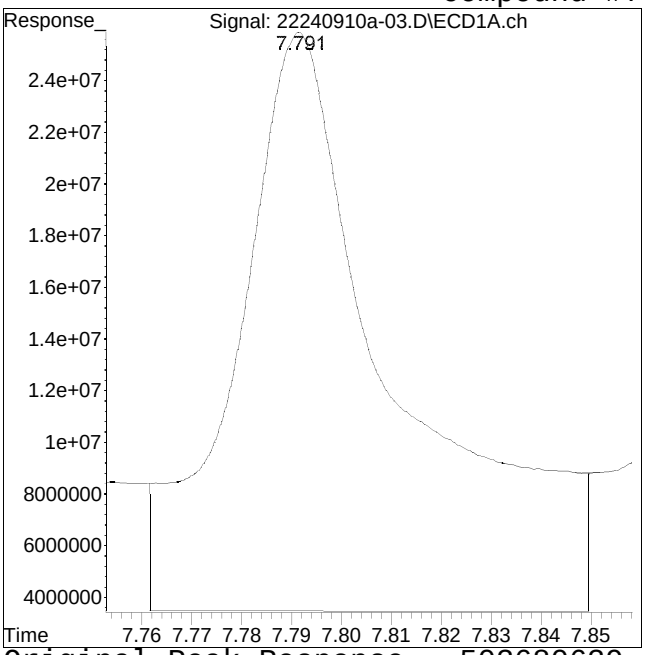
Manual Peak Response = 160000595 M4

M4 = Poor automated baseline construction.

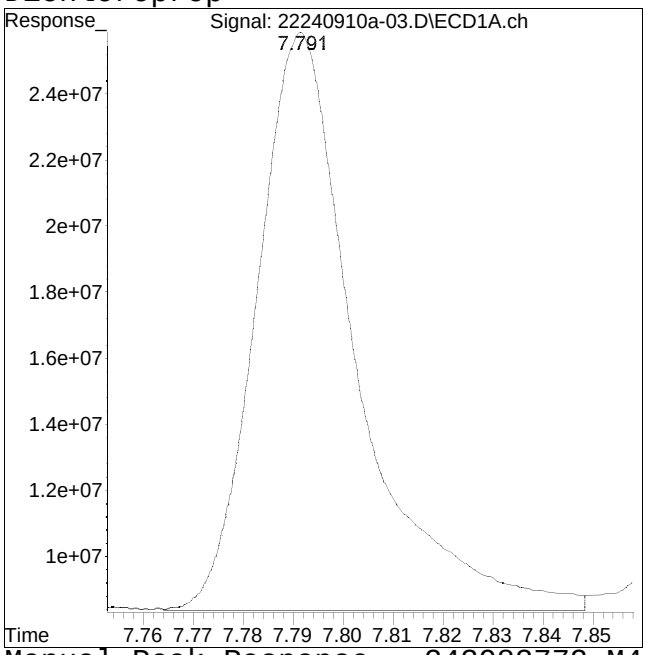
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #7: Dichloroprop



Original Peak Response = 503680639



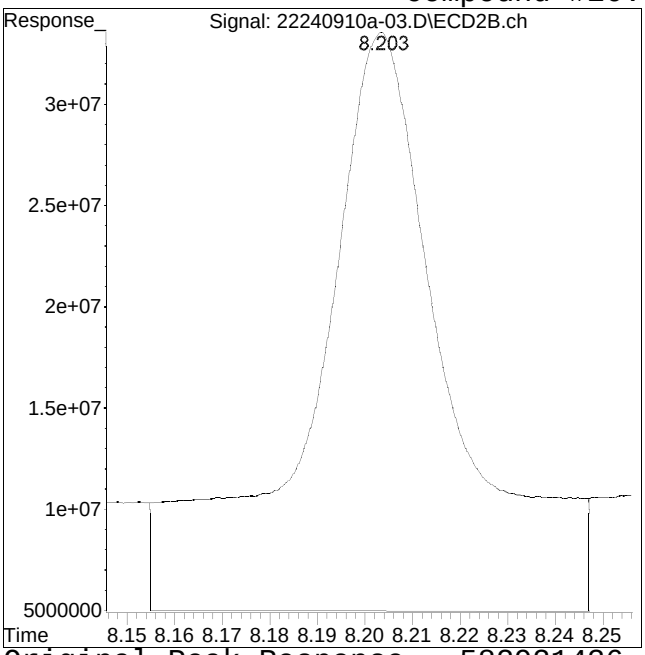
Manual Peak Response = 243983772 M4

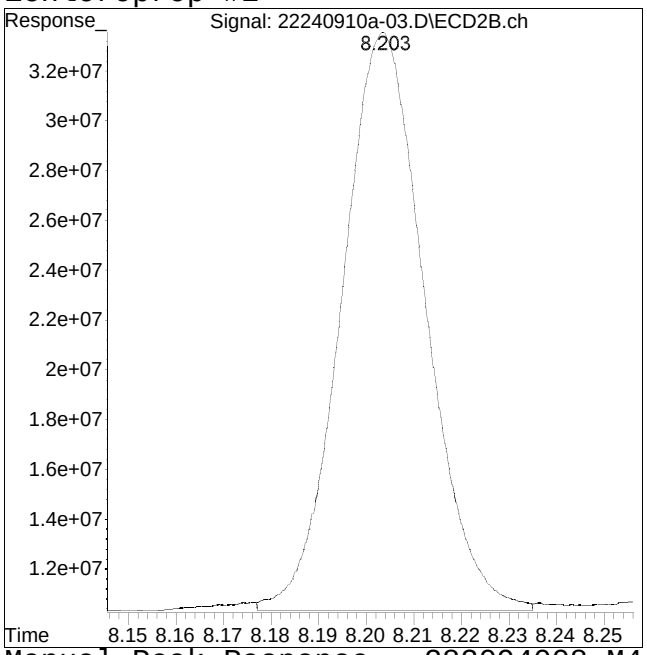
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #20: Dichloroprop #2



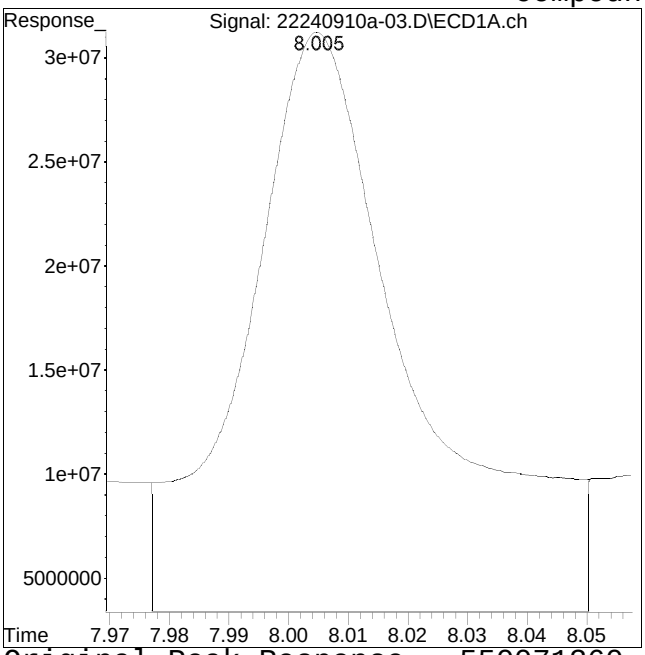


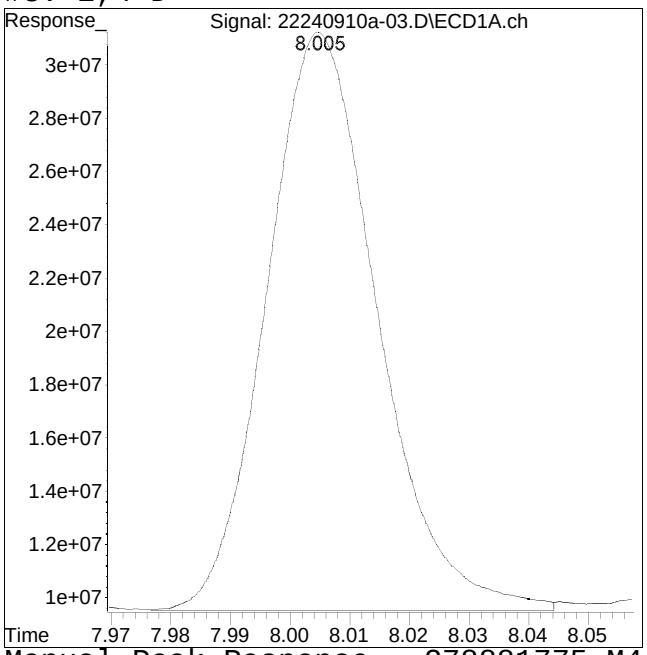
Original Peak Response = 582921436 Manual Peak Response = 282094008 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #8: 2,4-D



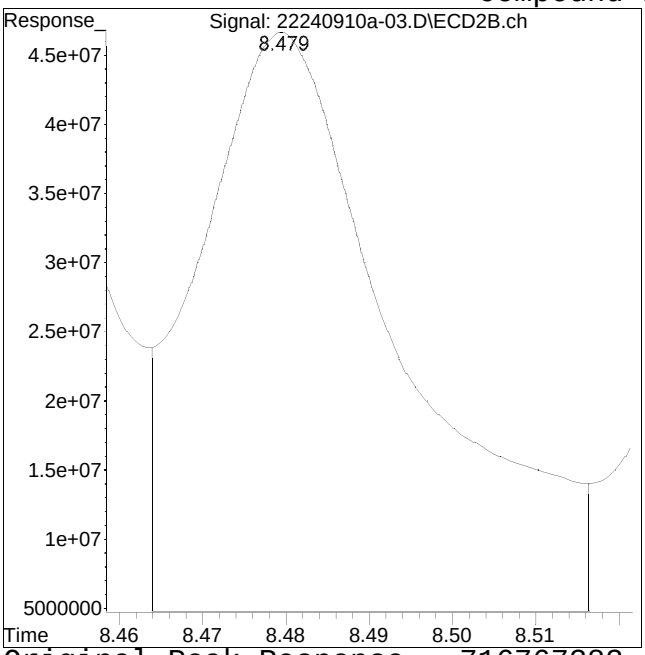


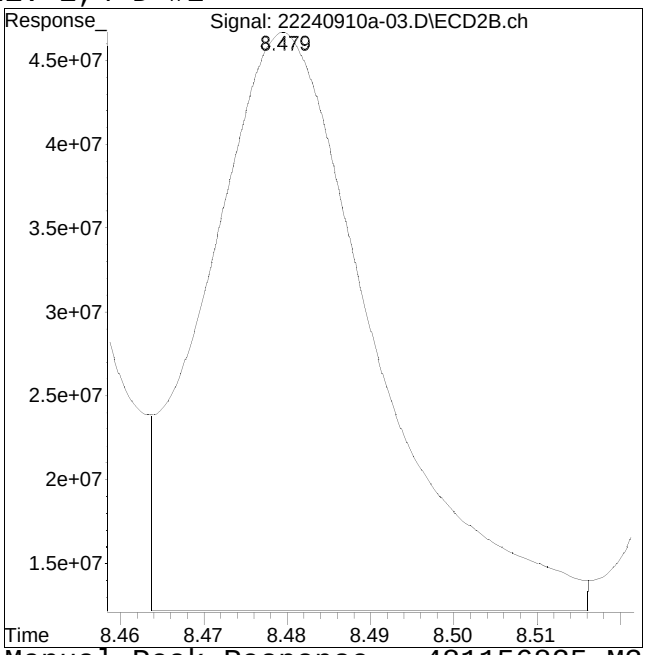
Original Peak Response = 550071360 Manual Peak Response = 278881775 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #21: 2,4-D #2



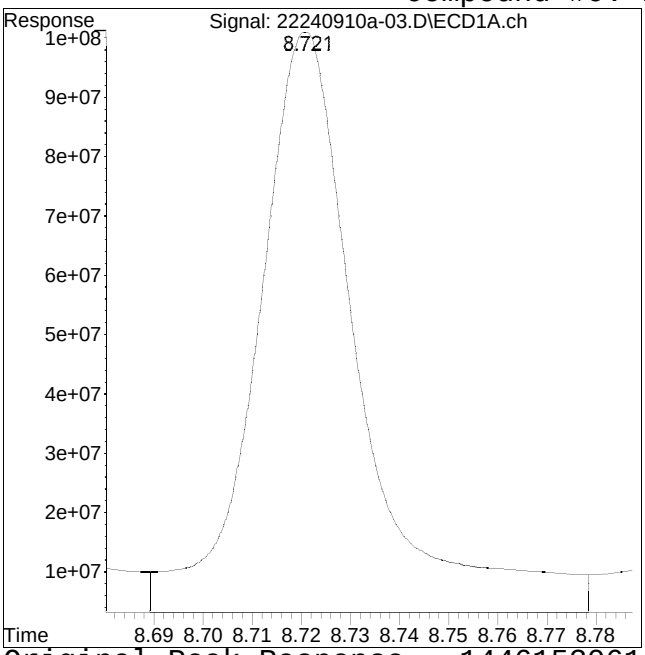


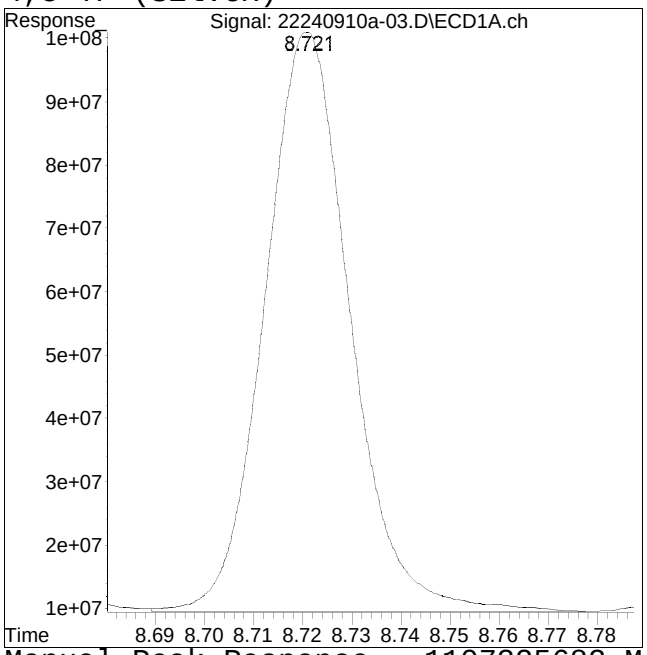
Original Peak Response = 716767383 Manual Peak Response = 481156825 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #9: 2,4,5-TP (Silvex)



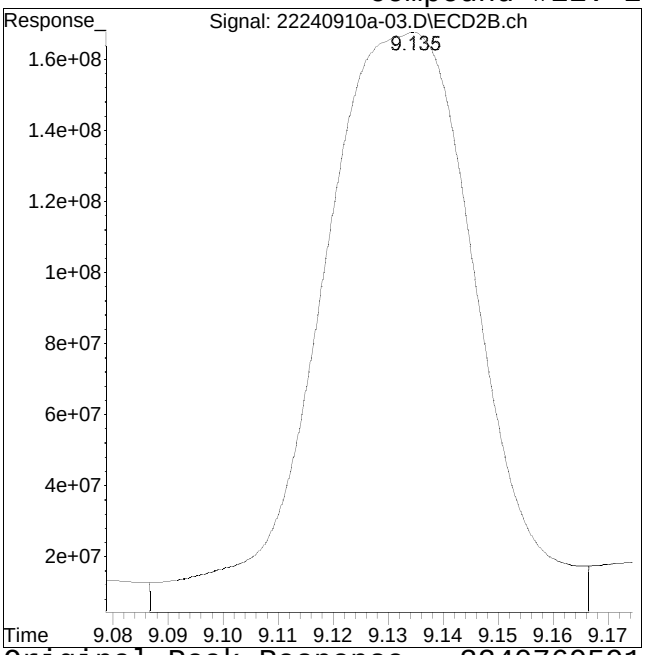


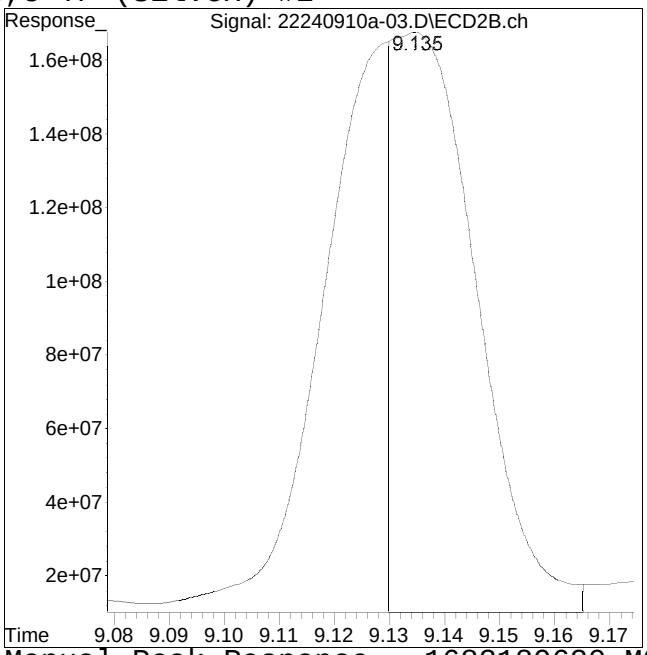
Original Peak Response = 1446153061 Manual Peak Response = 1107325682 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #22: 2,4,5-TP (Silvex) #2



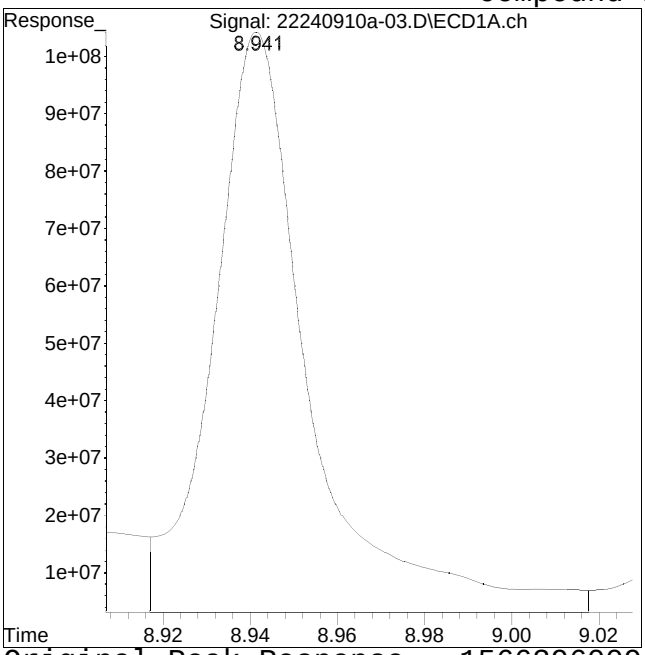


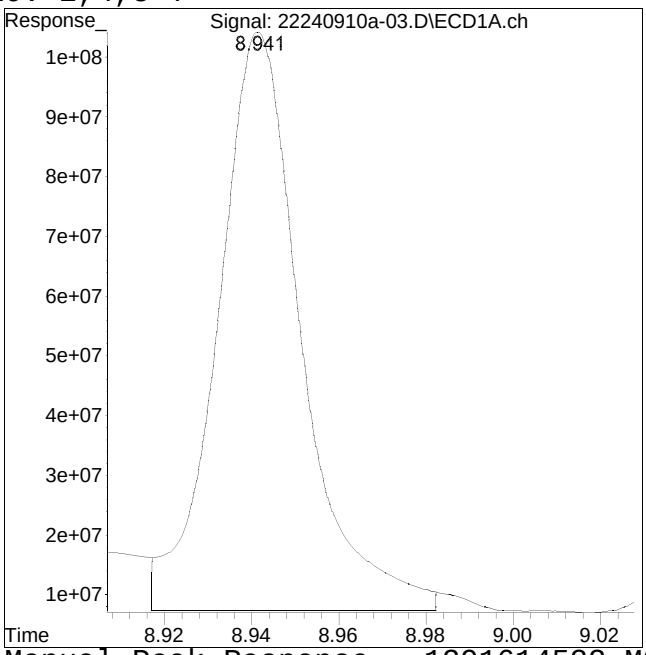
Original Peak Response = 3240769591 Manual Peak Response = 1683189620 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #10: 2,4,5-T



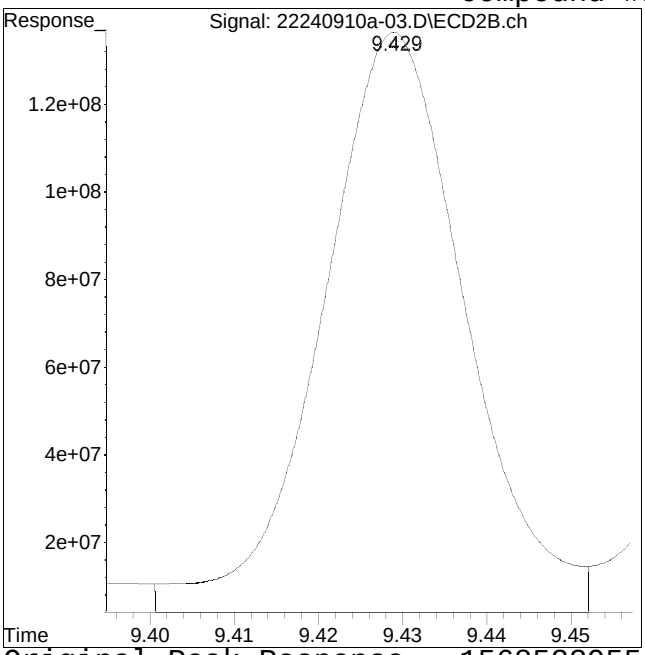


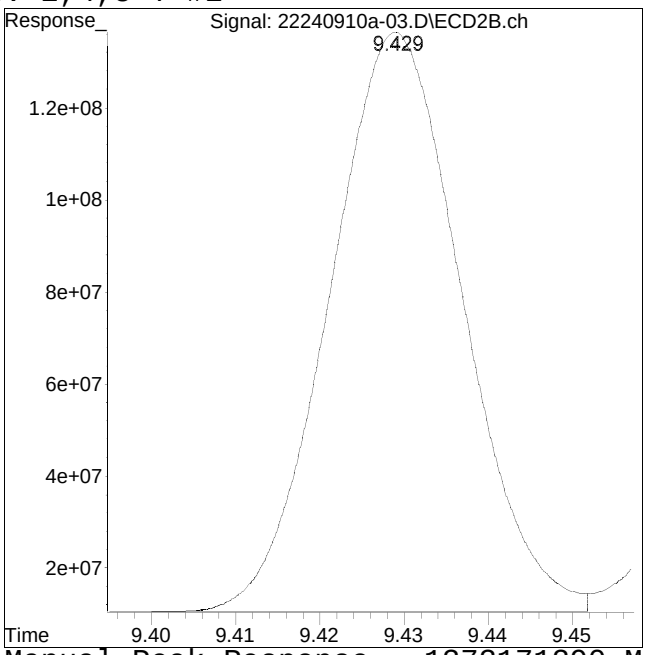
Original Peak Response = 1566396009 Manual Peak Response = 1291614522 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #23: 2,4,5-T #2



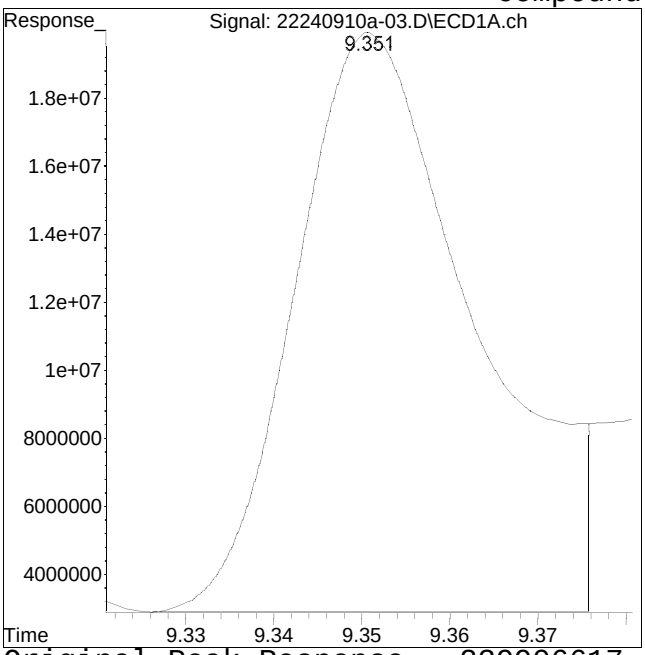


Original Peak Response = 1568523955 Manual Peak Response = 1373171290 M4
M4 = Poor automated baseline construction.

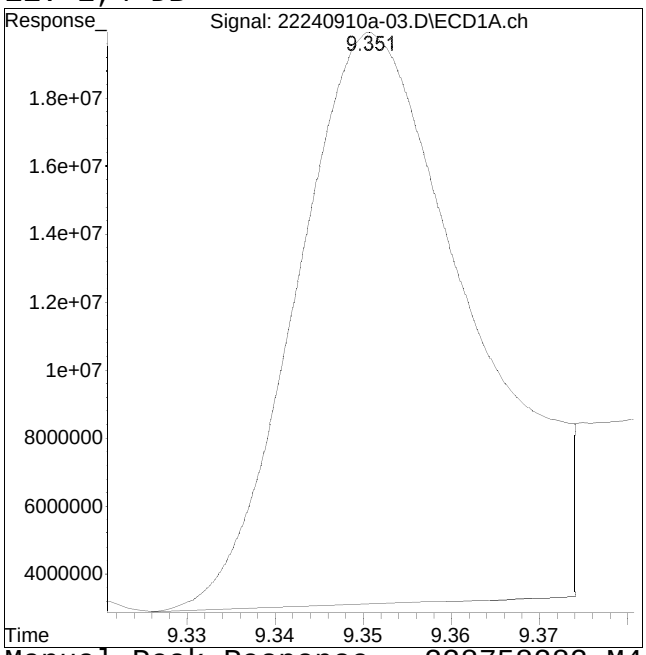
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #11: 2,4-DB



Original Peak Response = 239906617



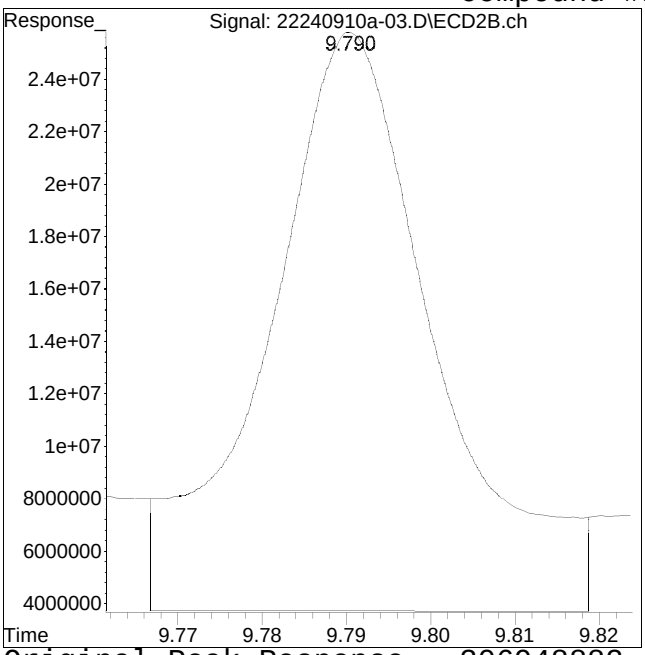
Manual Peak Response = 228758282 M4

M4 = Poor automated baseline construction.

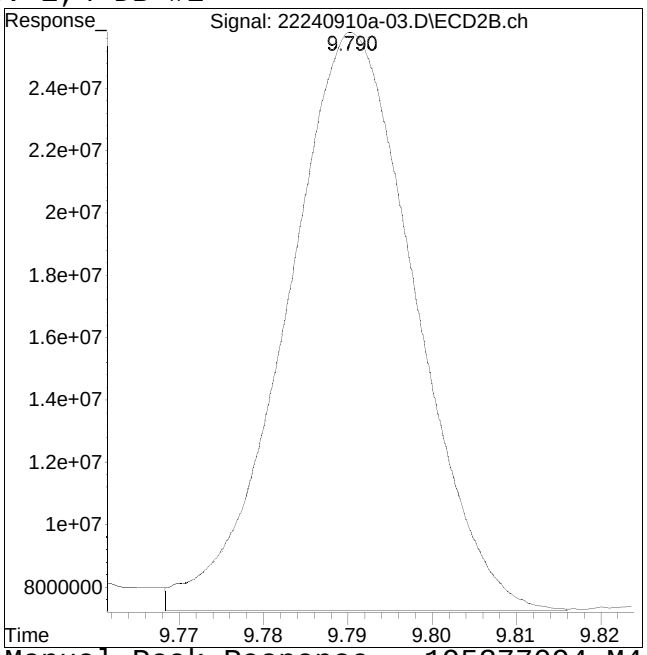
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #24: 2,4-DB #2



Original Peak Response = 306948882



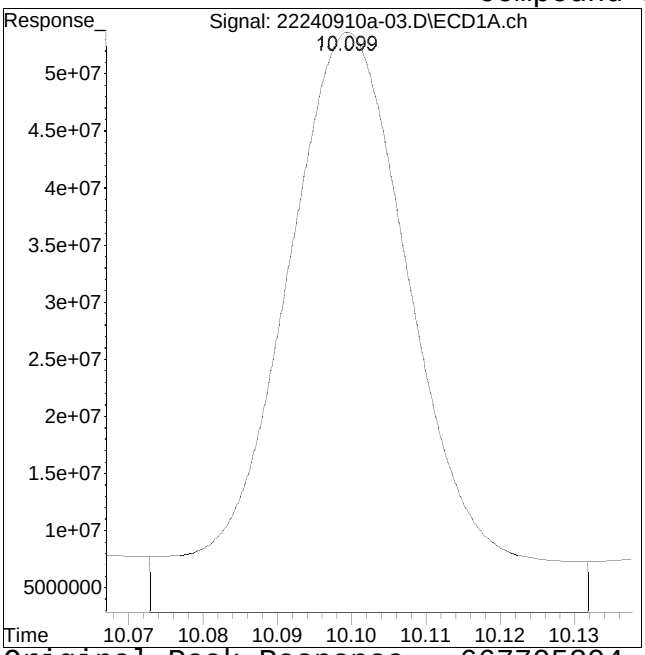
Manual Peak Response = 195377094 M4

M4 = Poor automated baseline construction.

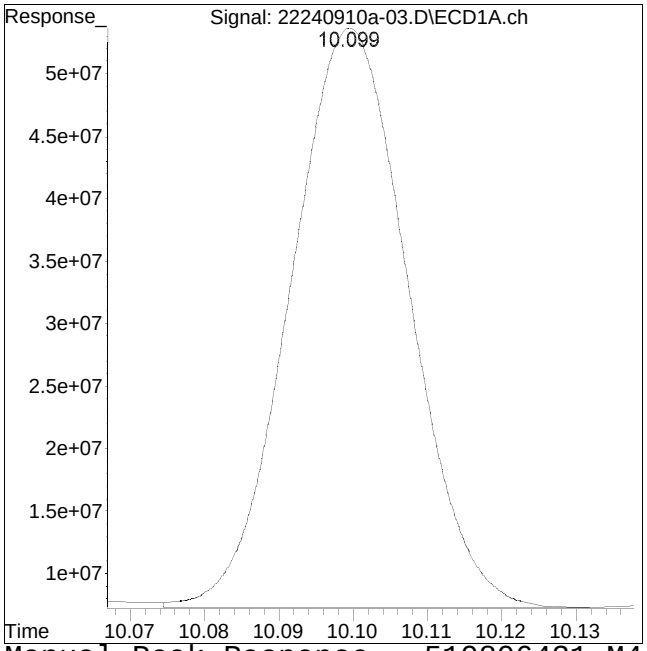
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #12: Dinoseb



Original Peak Response = 667705304



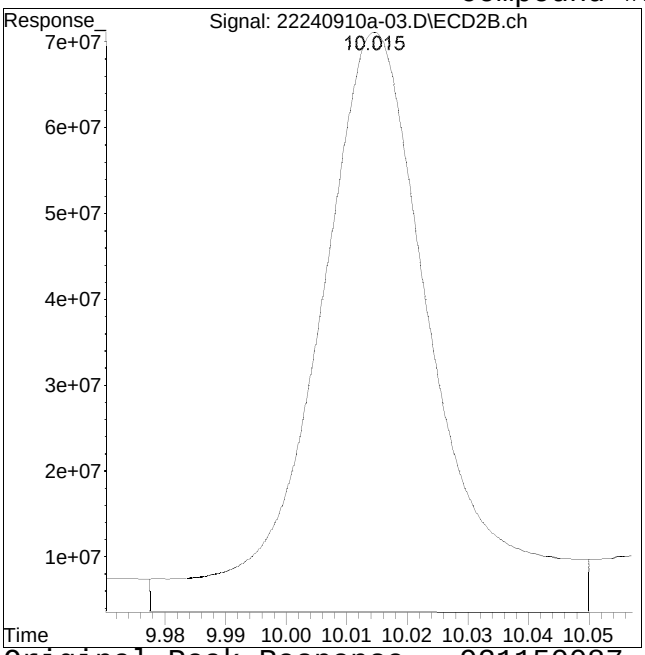
Manual Peak Response = 510806431 M4

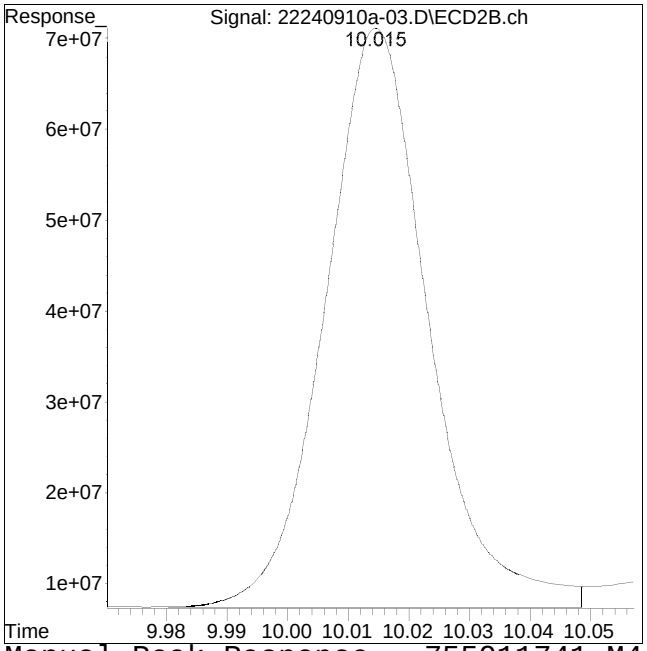
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-03.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:33 Instrument : Pest22
Sample : WG1968926-2,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #25: Dinoseb #2





Original Peak Response = 921150087 Manual Peak Response = 755911741 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:51
Operator : pest22:mmg
Sample : WG1968926-3,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:29 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240910a\22240910a-01.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.450	8.439	1191.4E6	1480.2E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1123535338				Recovery =	106.04%	
Standard Area 1 : #2 = 1363960270				Recovery =	108.52%	
System Monitoring Compounds						
3) s DCAA (surrog	6.904	7.365	456.3E6	624.4E6	0.493M3	0.543M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	98.60%	108.60%
Target Compounds						
2) t Dalapon	2.329	2.320	316.2E6	486.0E6	0.327M3	0.427M4
4) t Dicamba	7.085	7.545	1318.5E6	1507.5E6	0.491M4	0.447M4
5) t MCPP	7.288	7.659	124.4E6	163.5E6	58.651M4	47.212M3
6) t MCPA	7.434	7.885	199.8E6	304.4E6	48.733M3	48.731M4
7) t Dichloroprop	7.789	8.203	419.8E6	488.5E6	0.490M4	0.458M4
8) t 2,4-D	8.003	8.480	475.7E6	654.5E6	0.461M4	0.522M4
9) t 2,4,5-TP (Si	8.721	9.139	1712.6E6	2034.1E6	0.446M3	0.422M3
10) t 2,4,5-T	8.942	9.429	1800.0E6	2171.9E6	0.466M4	0.474M4
11) t 2,4-DB	9.351	9.791	312.7E6	361.2E6	0.555M3	0.467M3
12) t Dinoseb	10.099	10.015	969.9E6	1228.0E6	0.350M4	0.395M4
SemiQuant Compounds - Not Calibrated on this Instrument						

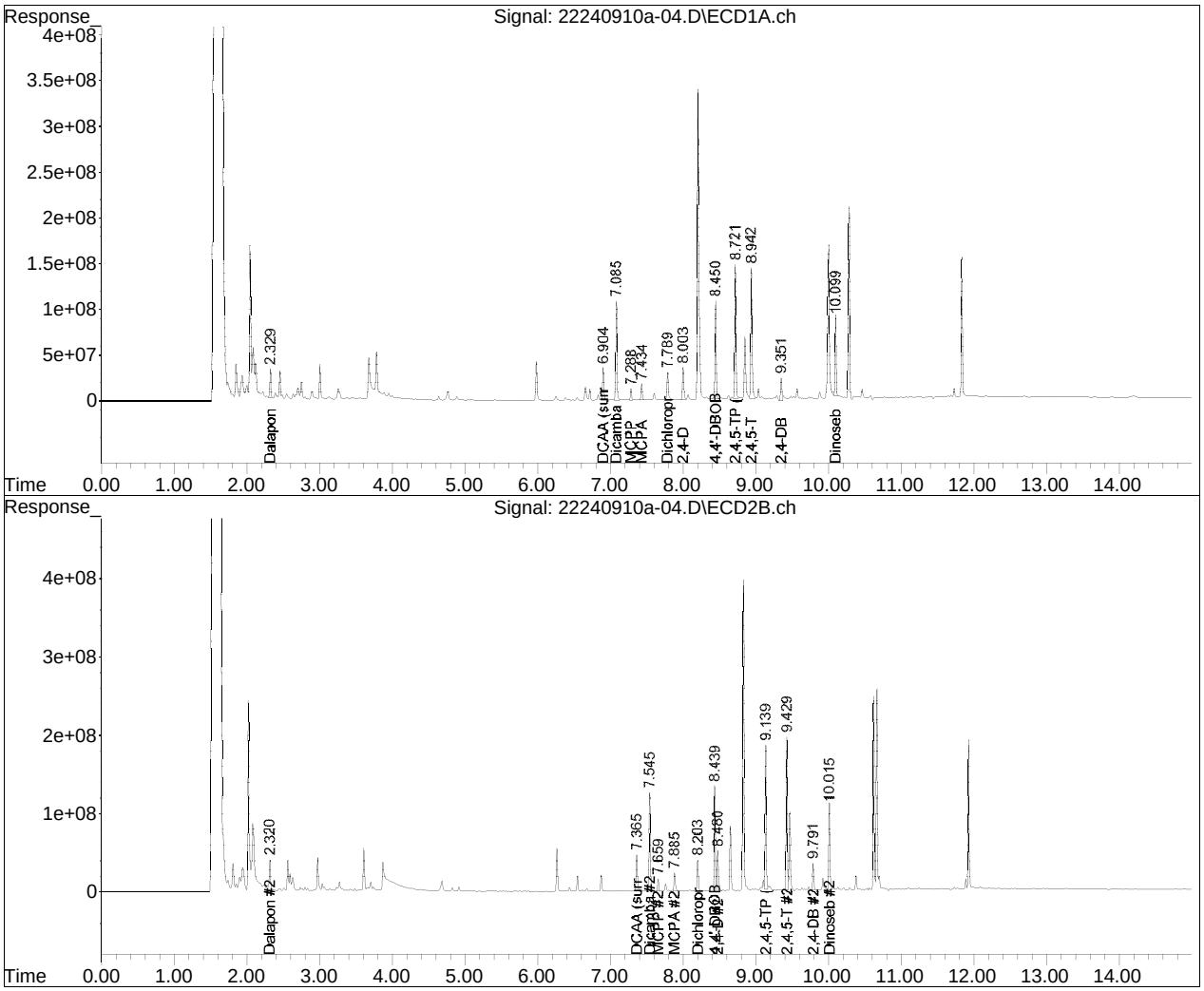
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240910a-01.D•

Data Path : I:\PEST\Pest22\2024\240910a\
Data File : 22240910a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2024 08:51
Operator : pest22:mmg
Sample : WG1968926-3,42,, 927
Misc : wg1969563,WG1968926,ical21298
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 09:15:29 2024
Quant Method : I:\PEST\Pest22\2024\240910a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Sep 10 07:46:02 2024
Response via : Initial Calibration
Integrator: ChemStation

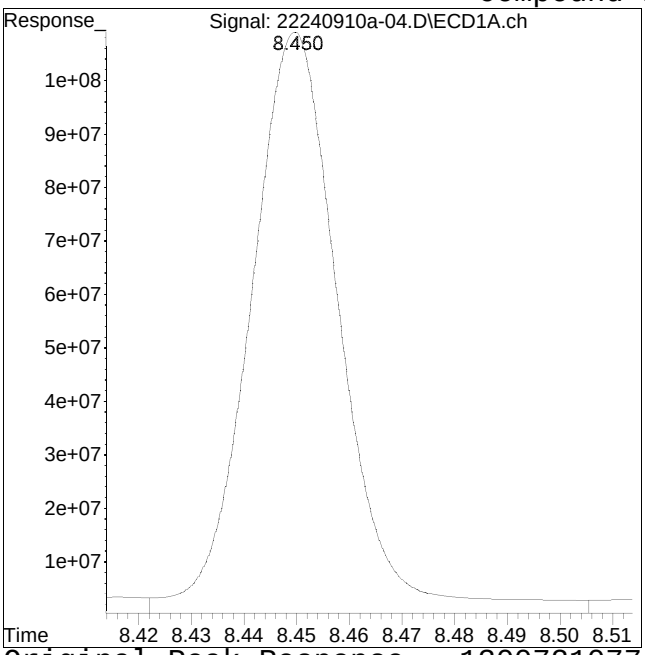
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

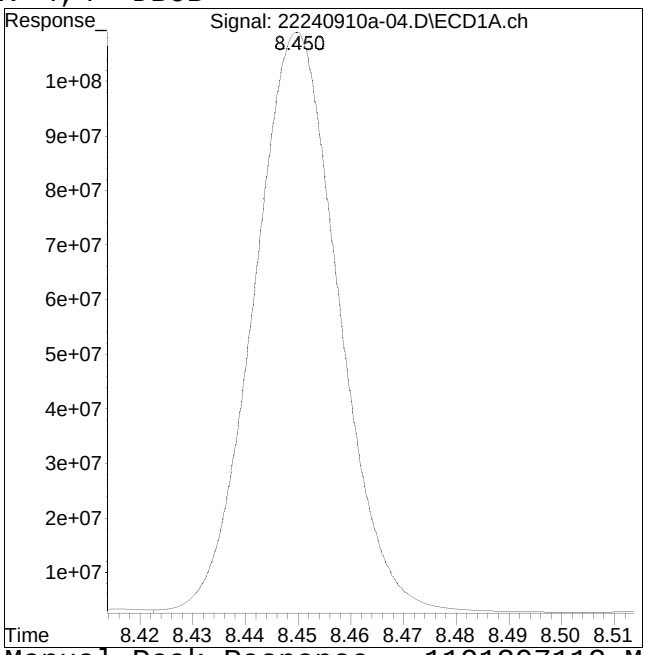


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #1: 4,4'-DBOB



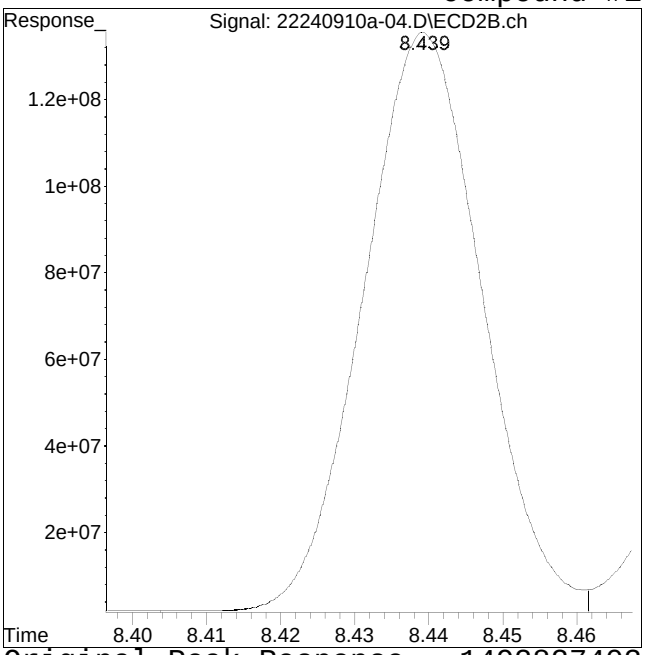


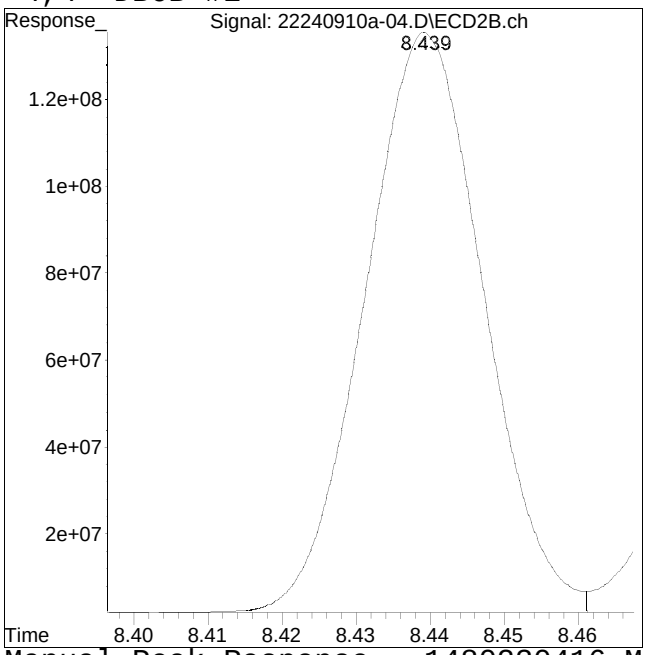
Original Peak Response = 1300721077 Manual Peak Response = 1191397112 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #14: 4,4'-DBOB #2



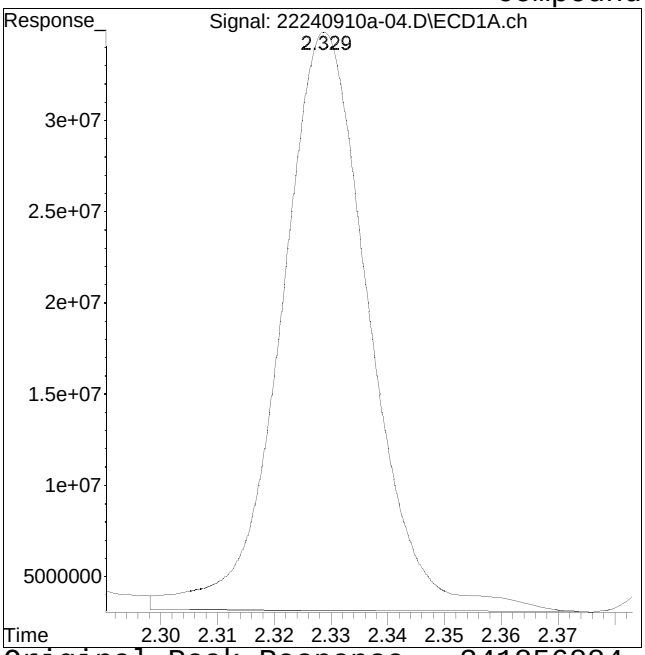


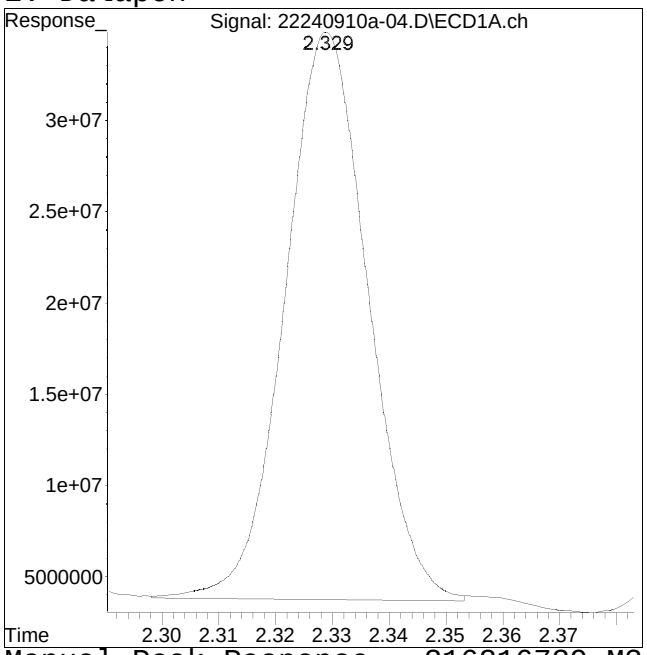
Original Peak Response = 1492827403 Manual Peak Response = 1480230416 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #2: Dalapon



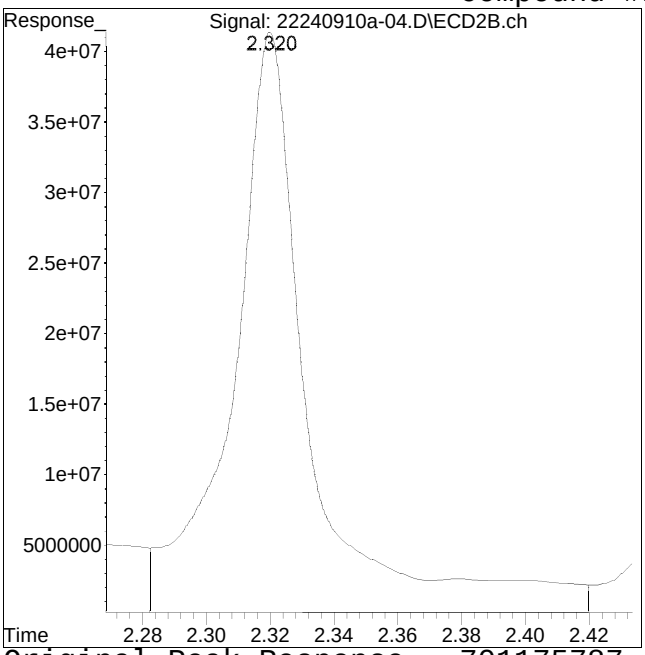


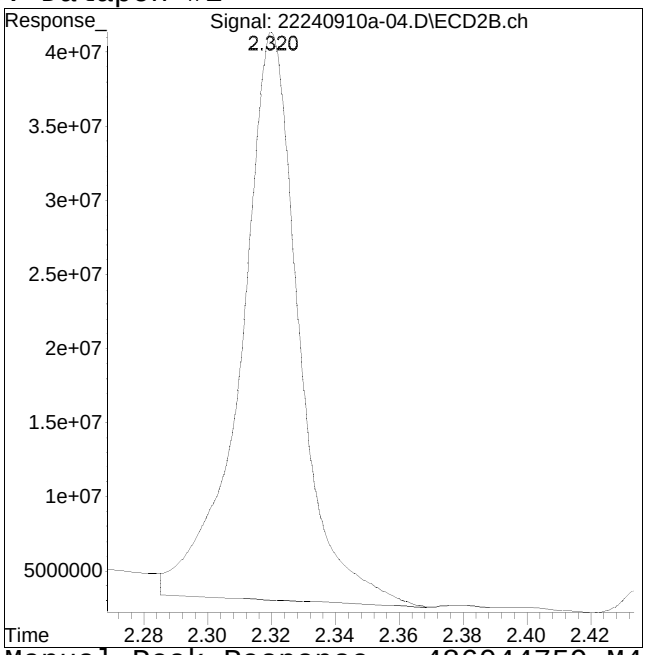
Original Peak Response = 341856884 Manual Peak Response = 316216739 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #15: Dalapon #2



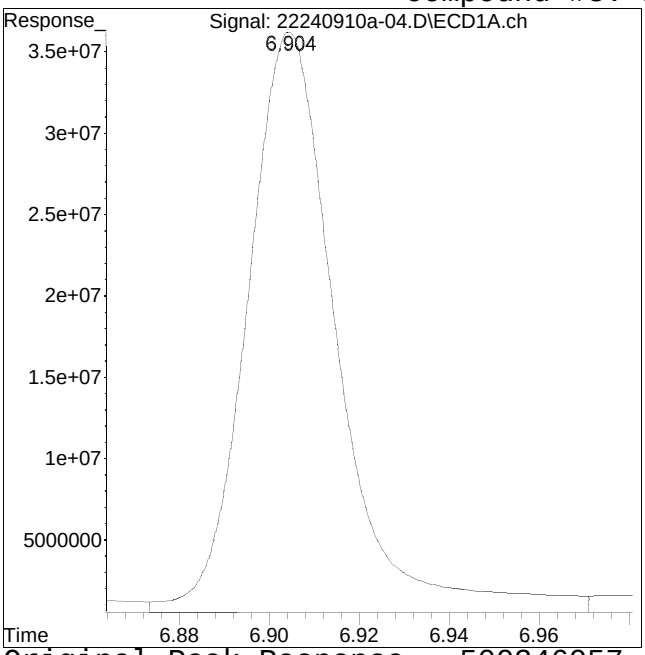


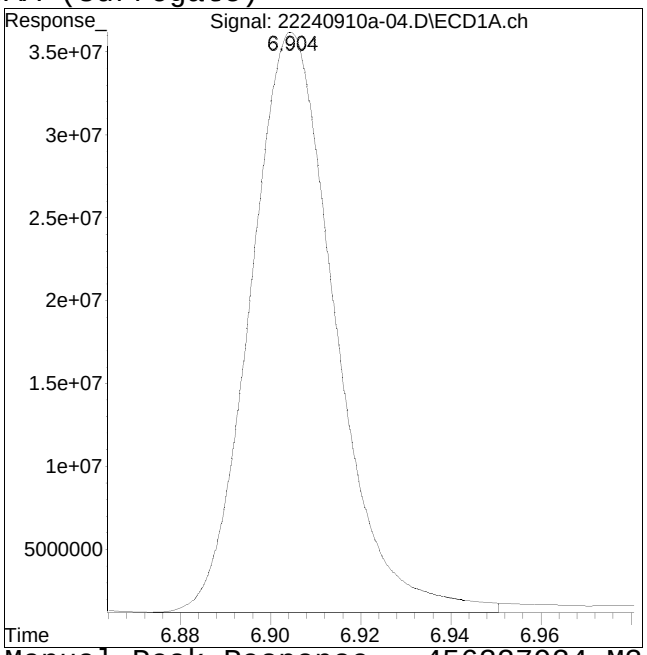
Original Peak Response = 701175787 Manual Peak Response = 486044759 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #3: DCAA (surrogate)



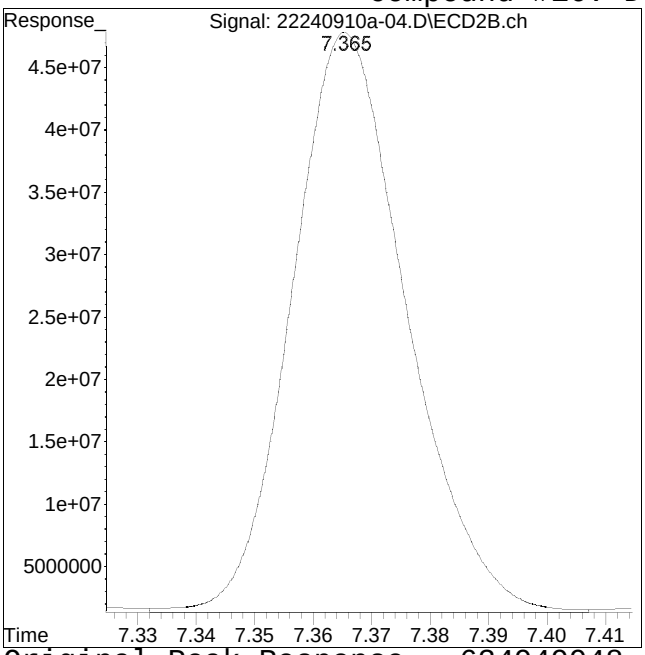


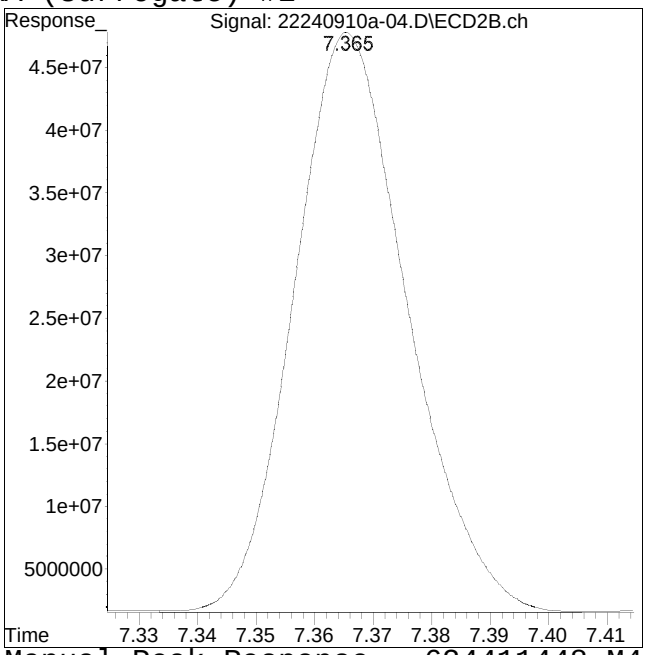
Original Peak Response = 500346957 Manual Peak Response = 456327924 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #16: DCAA (surrogate) #2



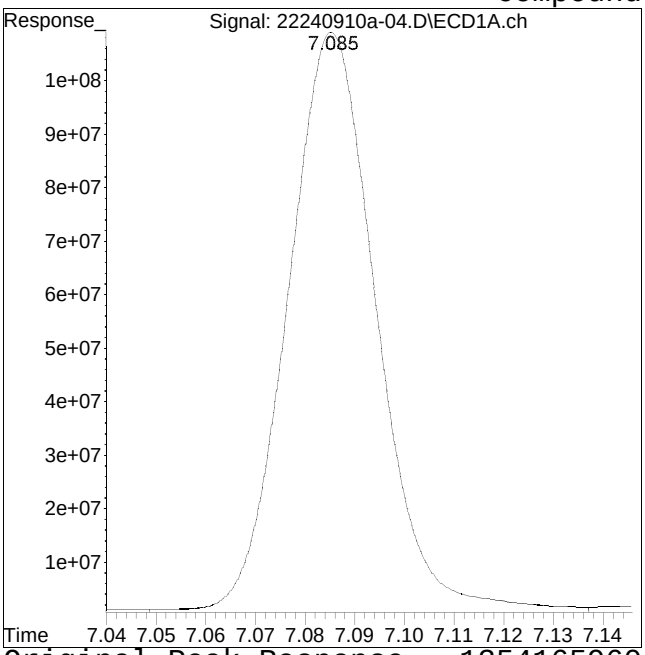


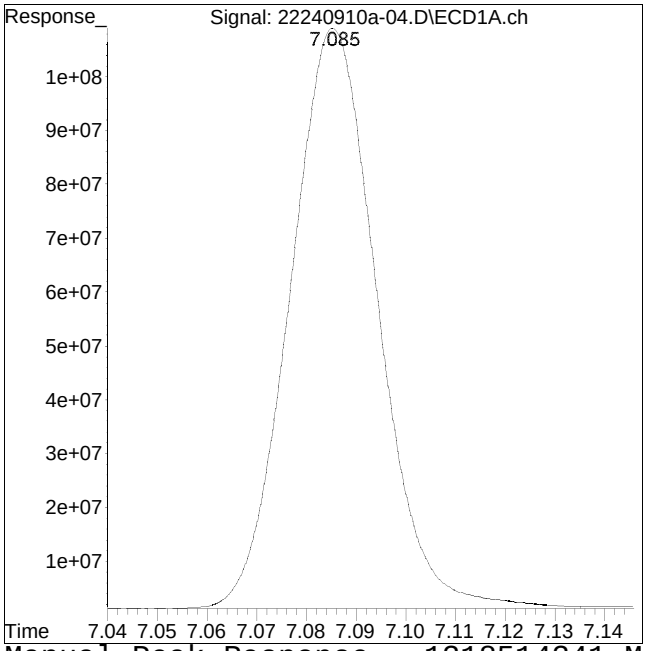
Original Peak Response = 634949948 Manual Peak Response = 624411448 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #4: Dicamba



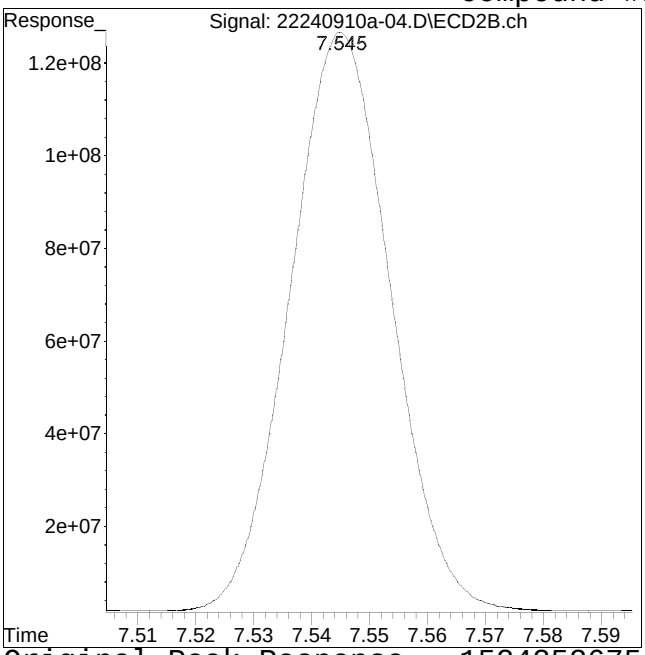


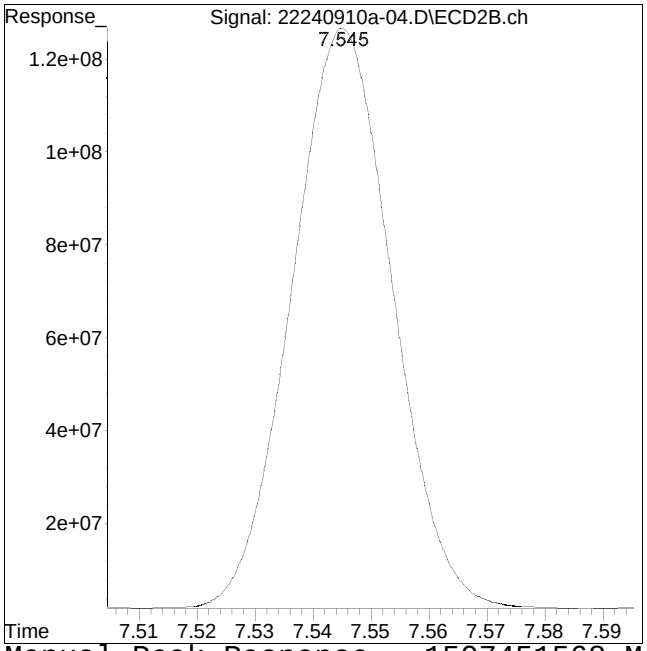
Original Peak Response = 1354165960 Manual Peak Response = 1318514341 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #17: Dicamba #2



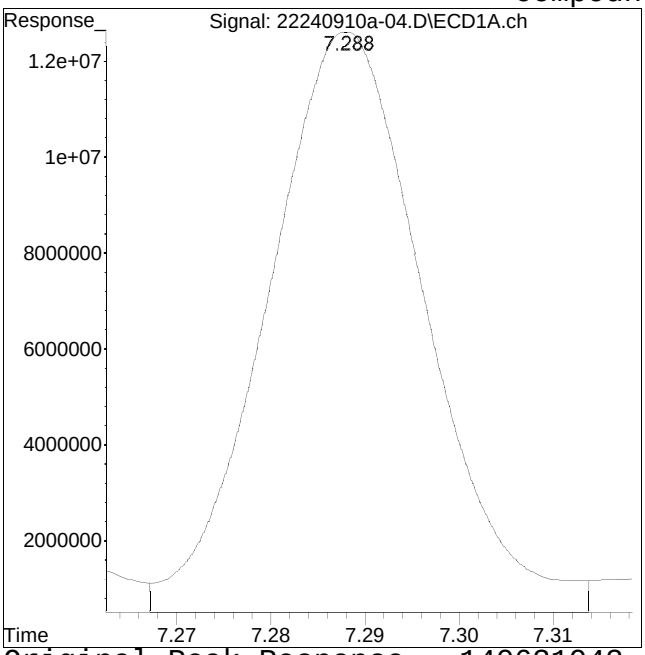


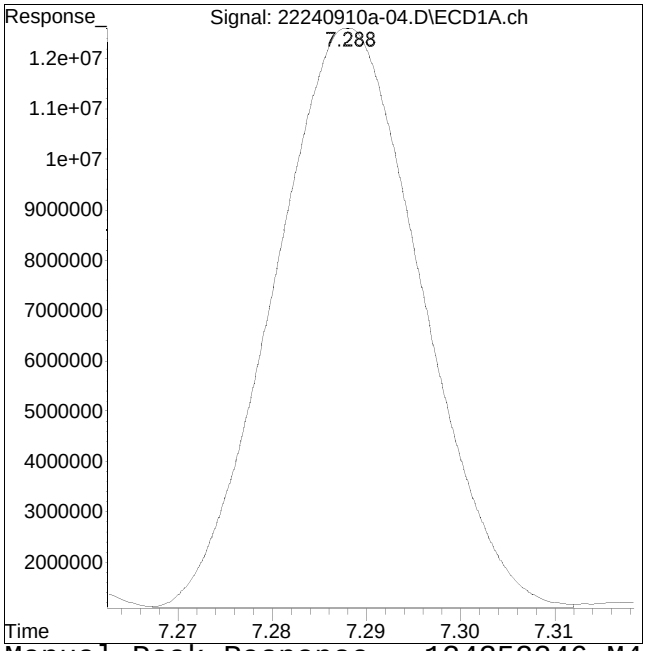
Original Peak Response = 1524252675 Manual Peak Response = 1507451568 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #5: MCPP



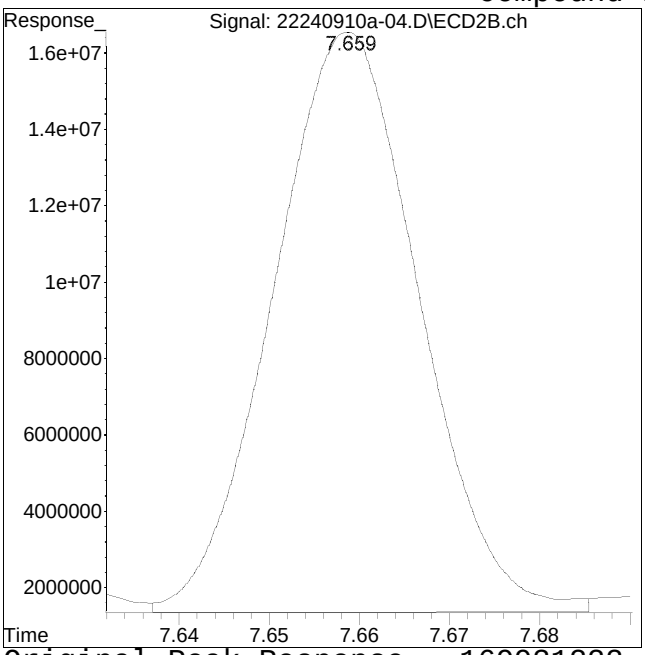


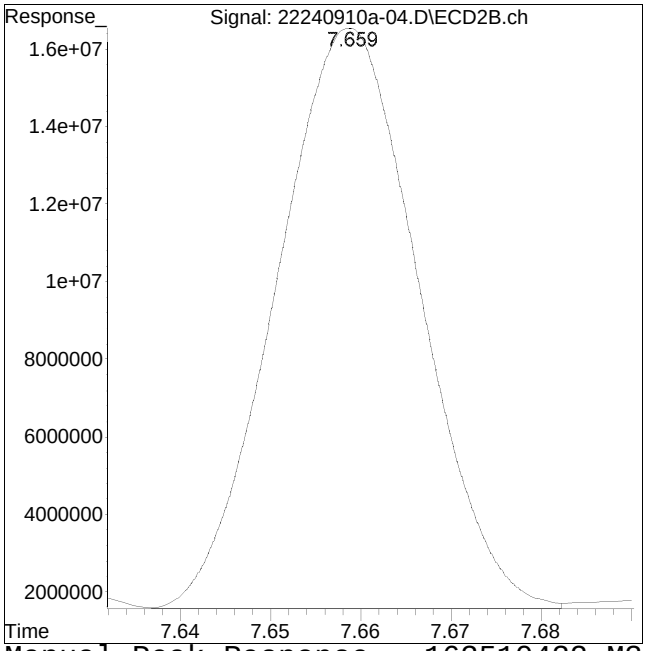
Original Peak Response = 140631943 Manual Peak Response = 124352246 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #18: MCPP #2



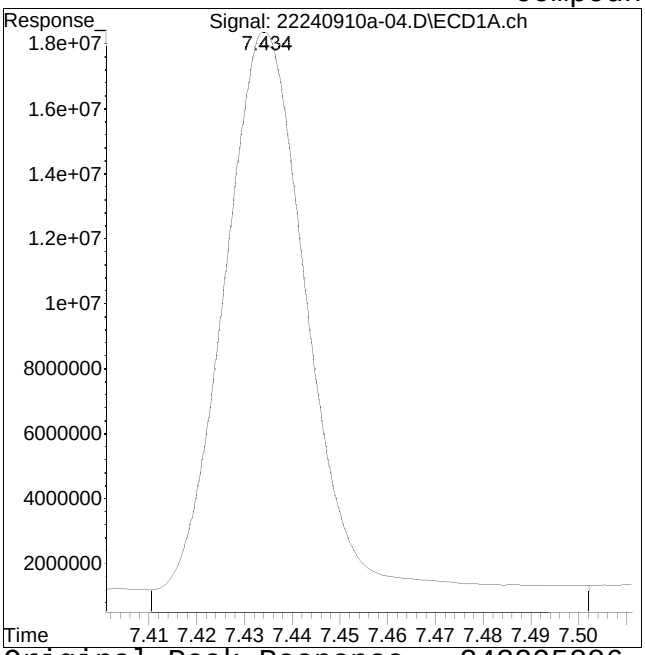


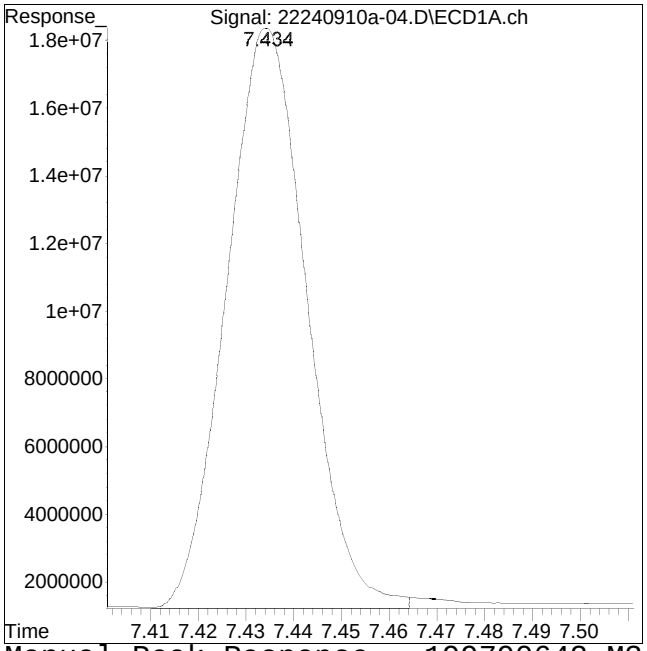
Original Peak Response = 169931222 Manual Peak Response = 163510432 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #6: MCPA



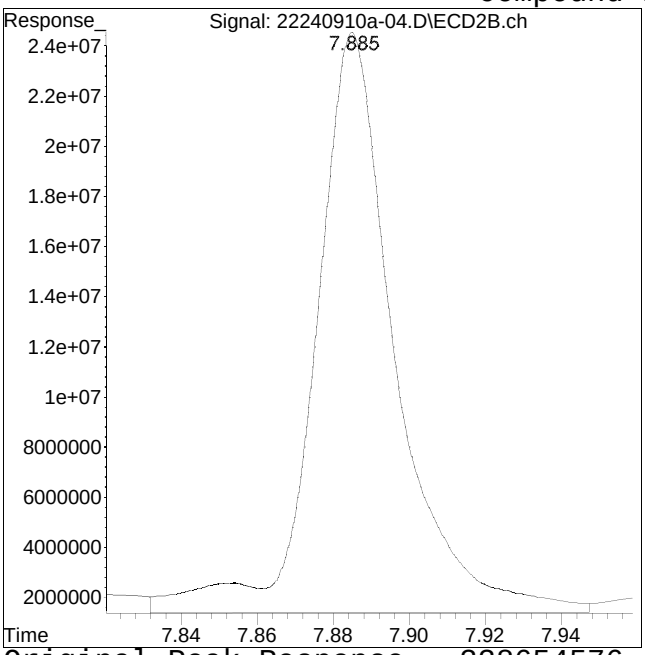


Original Peak Response = 243295286 Manual Peak Response = 199790642 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

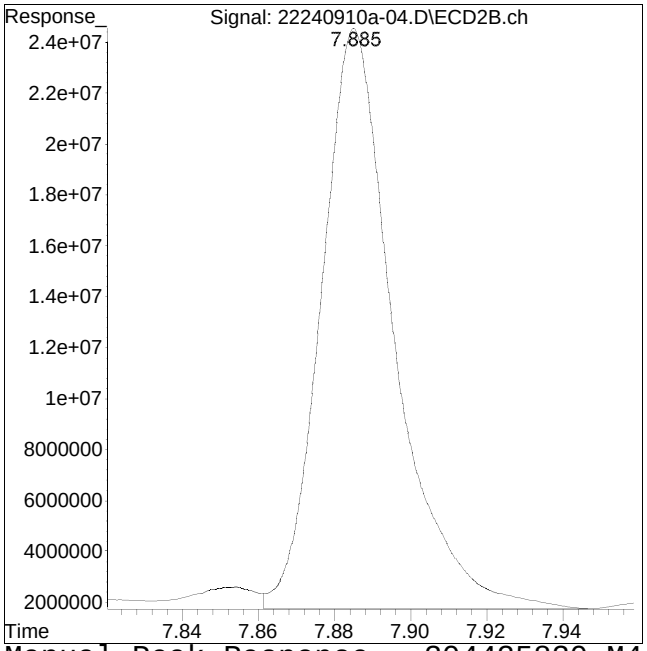
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #19: MCPA #2



Original Peak Response = 338654576



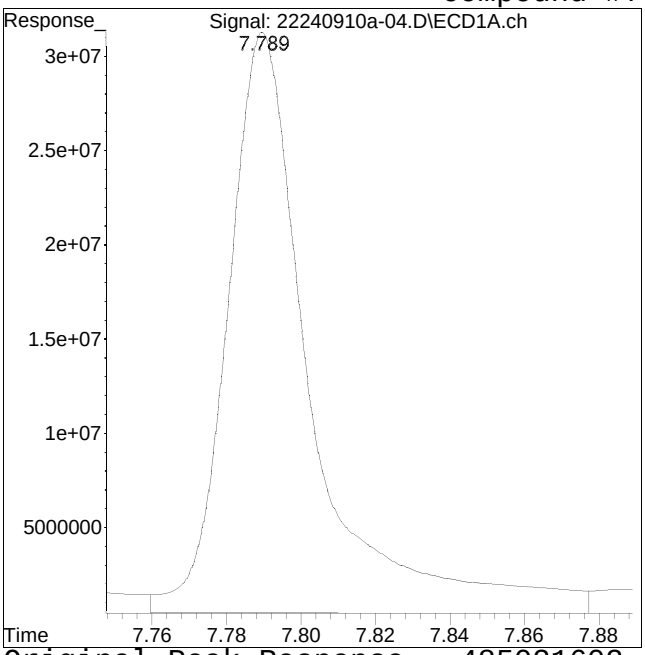
Manual Peak Response = 304435830 M4

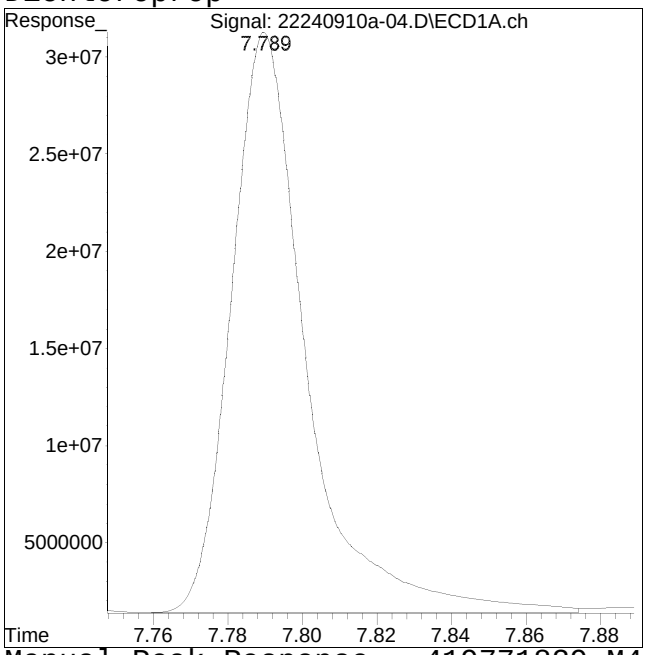
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #7: Dichloroprop



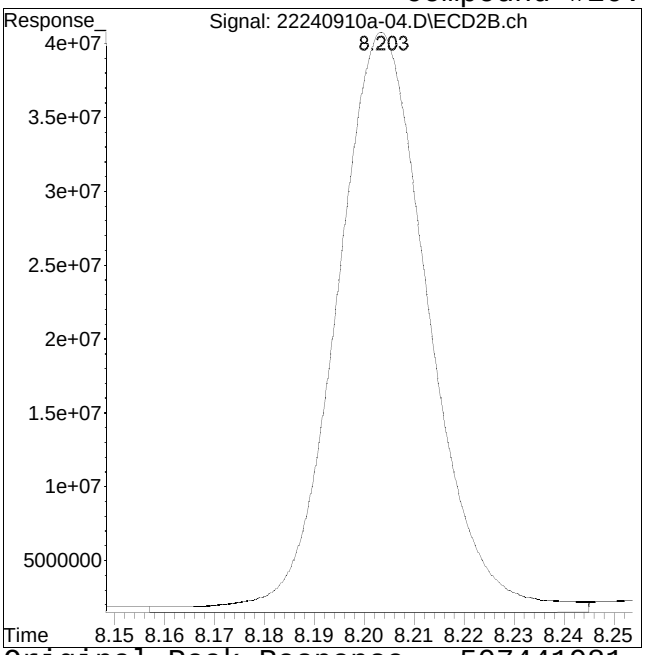


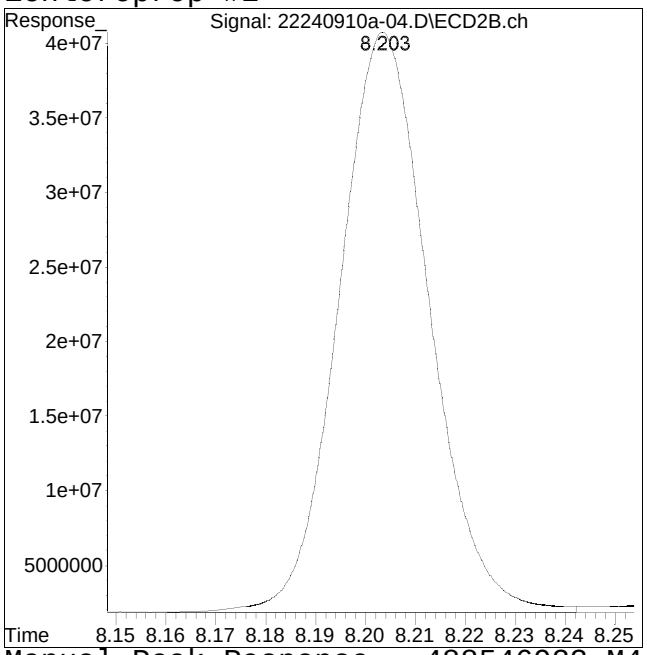
Original Peak Response = 485021602 Manual Peak Response = 419771829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #20: Dichloroprop #2



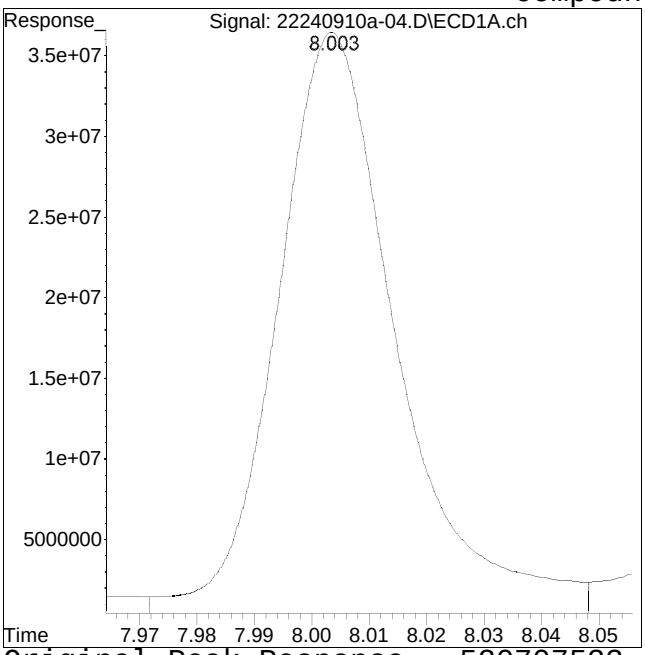


Original Peak Response = 507441981 Manual Peak Response = 488546923 M4
M4 = Poor automated baseline construction.

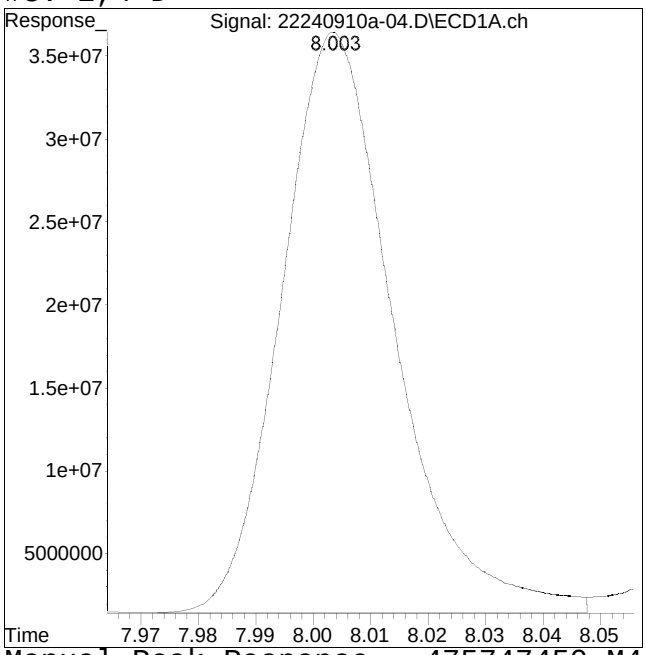
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #8: 2,4-D



Original Peak Response = 520707533



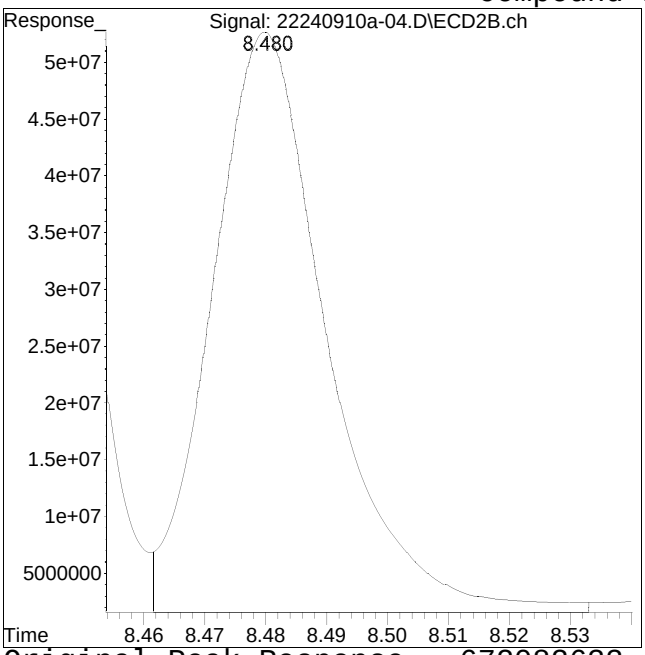
Manual Peak Response = 475747450 M4

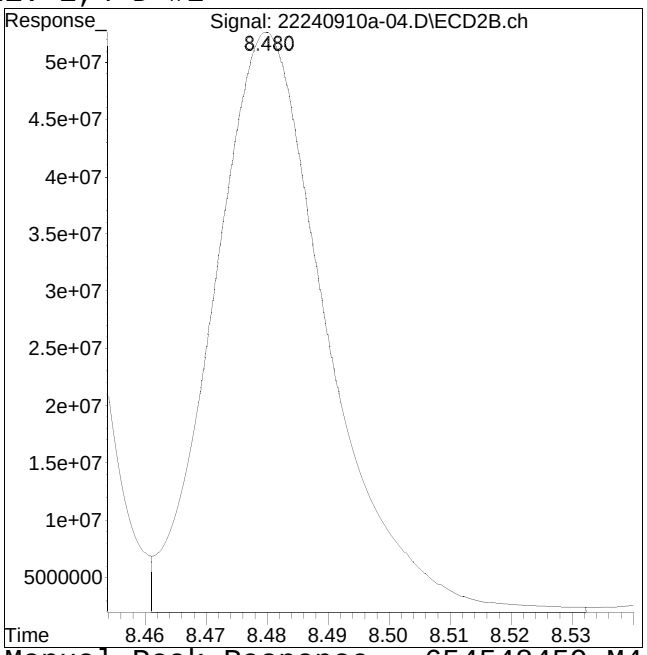
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #21: 2,4-D #2



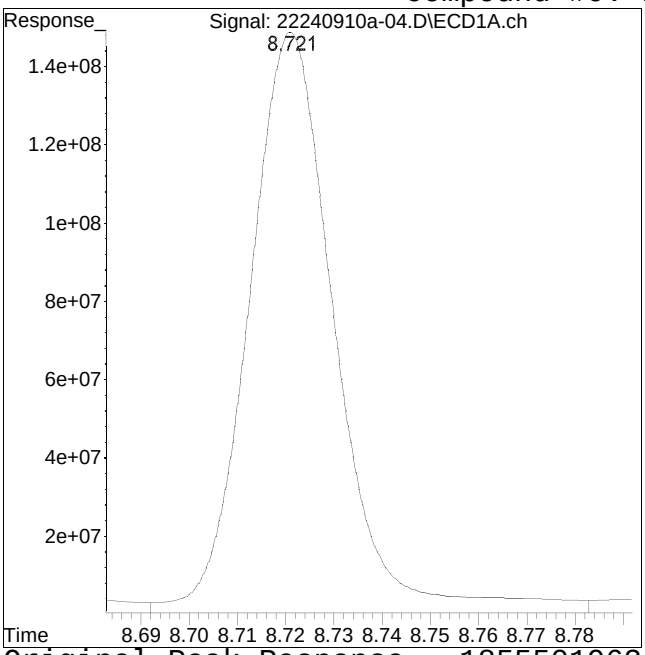


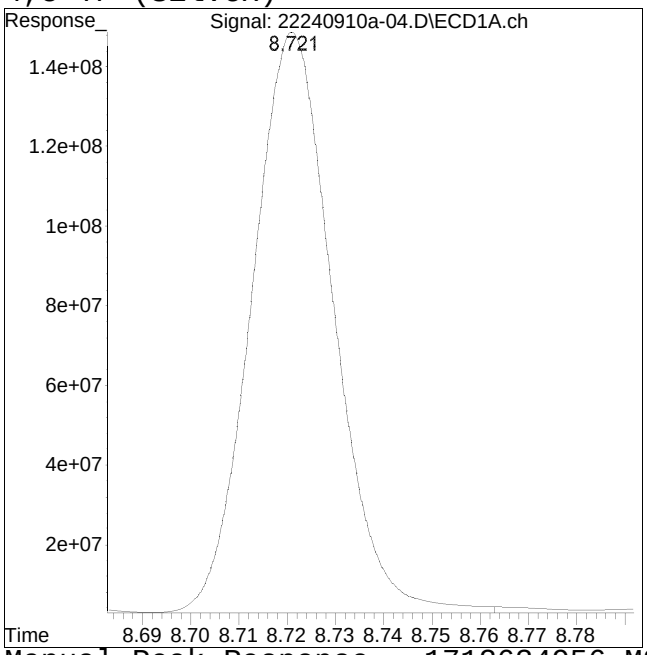
Original Peak Response = 672082633 Manual Peak Response = 654548459 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #9: 2,4,5-TP (Silvex)



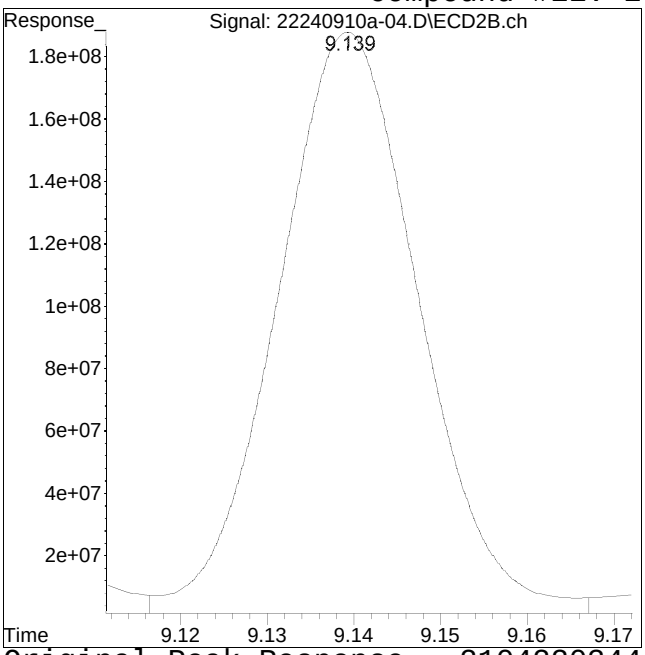


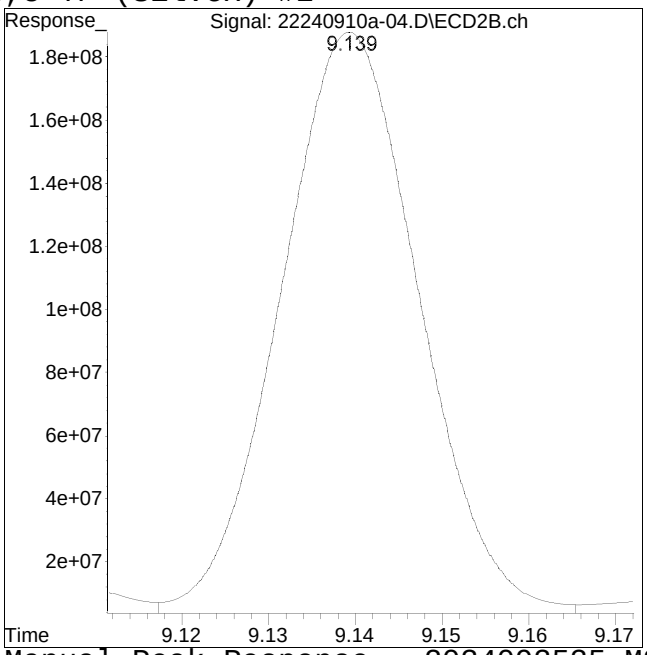
Original Peak Response = 1855501963 Manual Peak Response = 1712634956 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #22: 2,4,5-TP (Silvex) #2



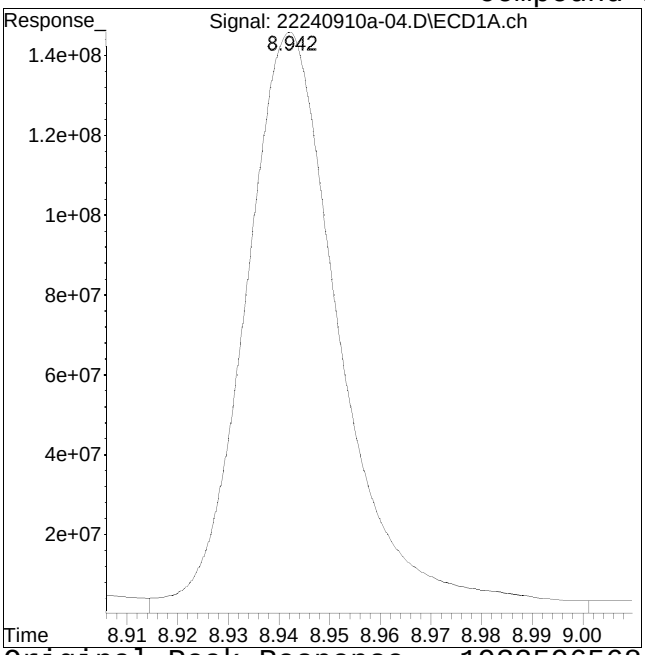


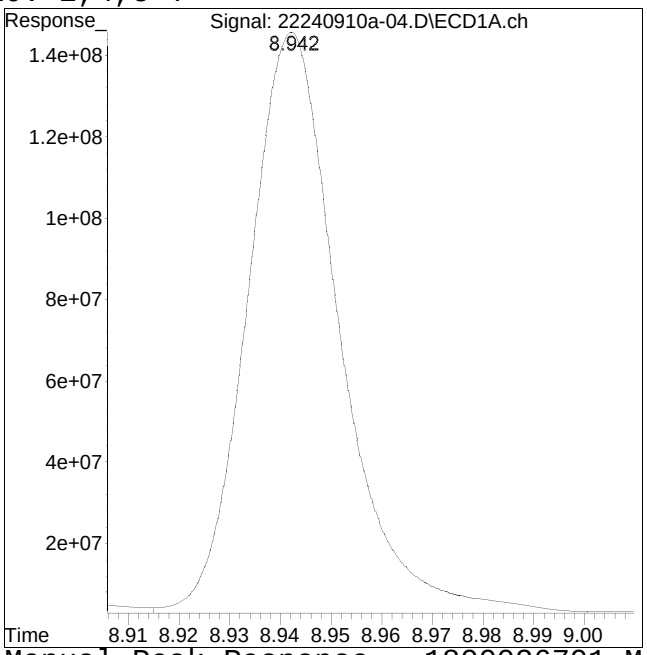
Original Peak Response = 2104220344 Manual Peak Response = 2034093535 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #10: 2,4,5-T



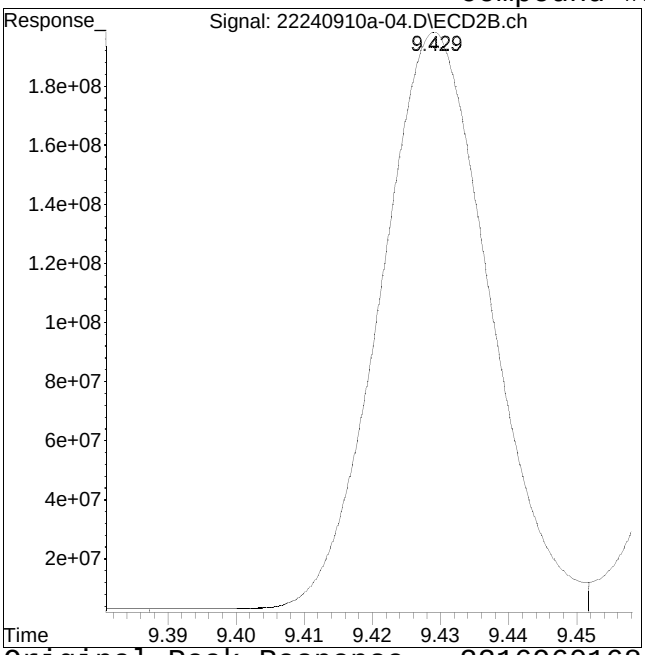


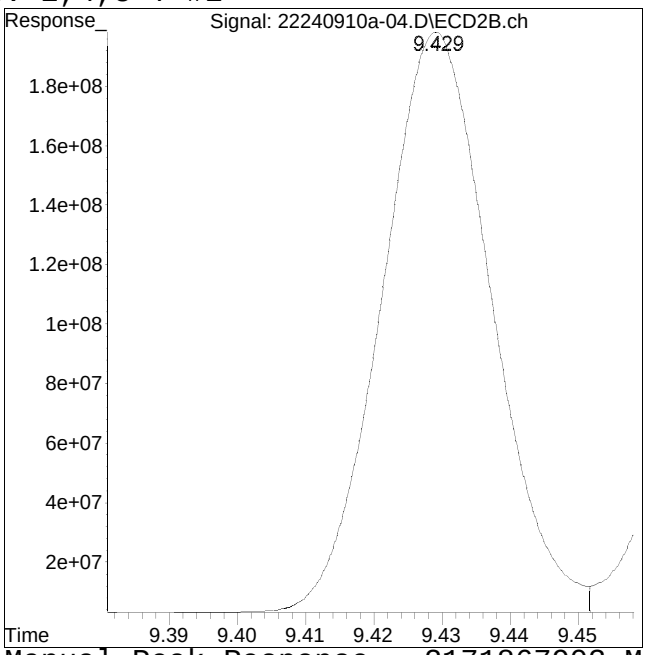
Original Peak Response = 1932596568 Manual Peak Response = 1800026701 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #23: 2,4,5-T #2



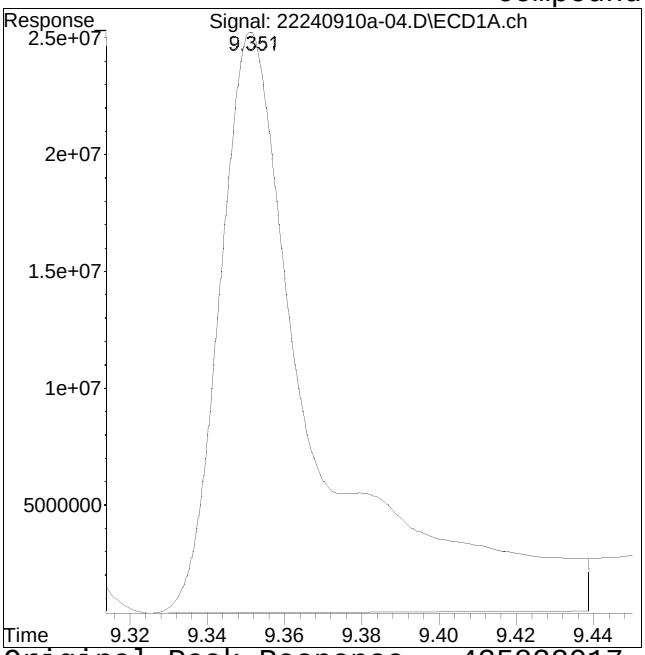


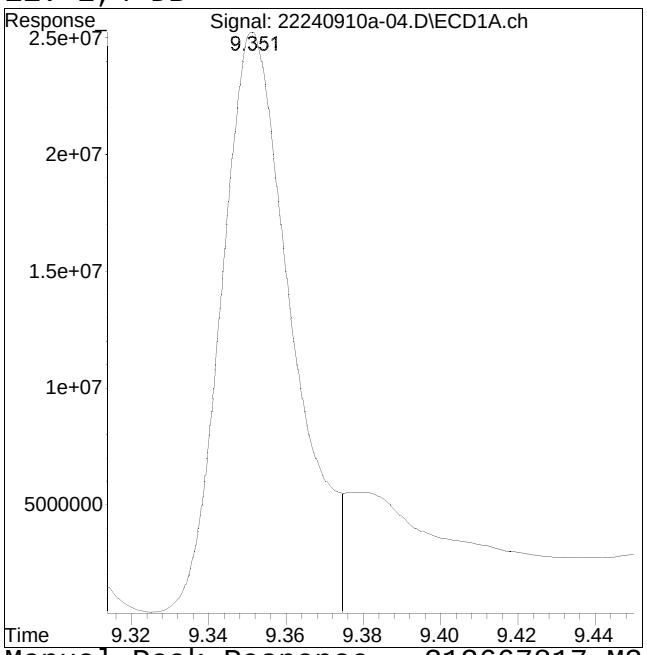
Original Peak Response = 2216960168 Manual Peak Response = 2171867903 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #11: 2,4-DB



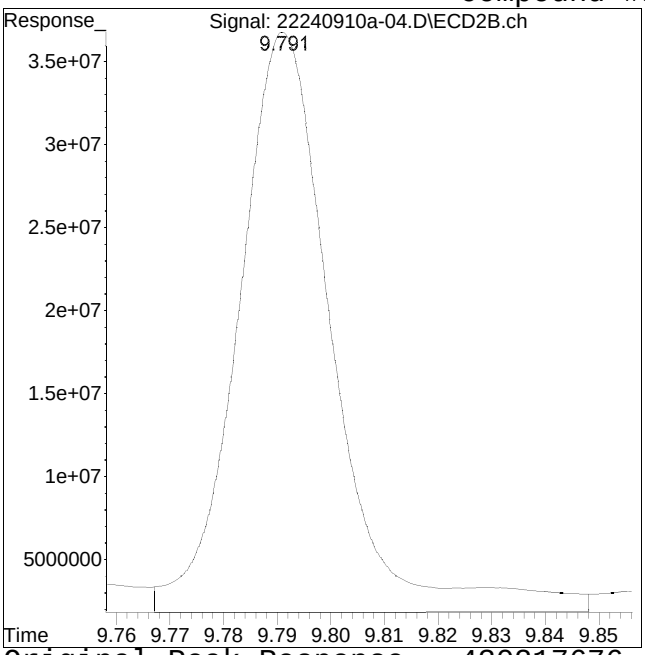


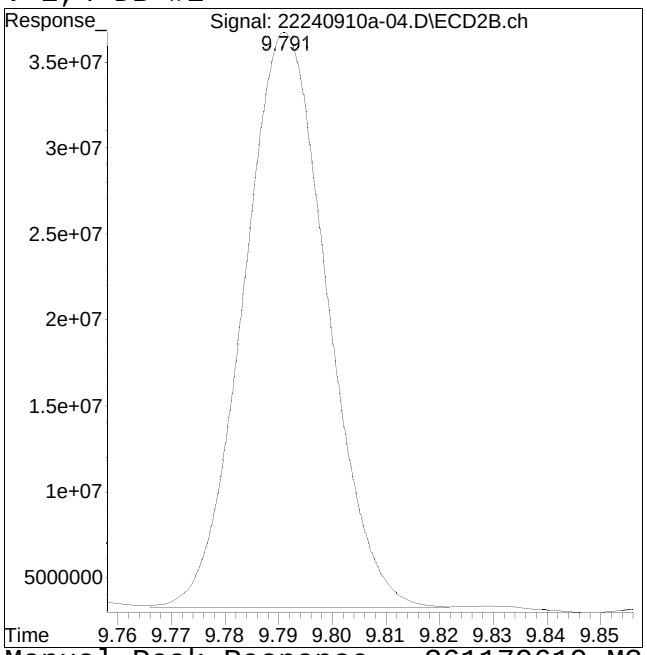
Original Peak Response = 435832917 Manual Peak Response = 312667817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #24: 2,4-DB #2



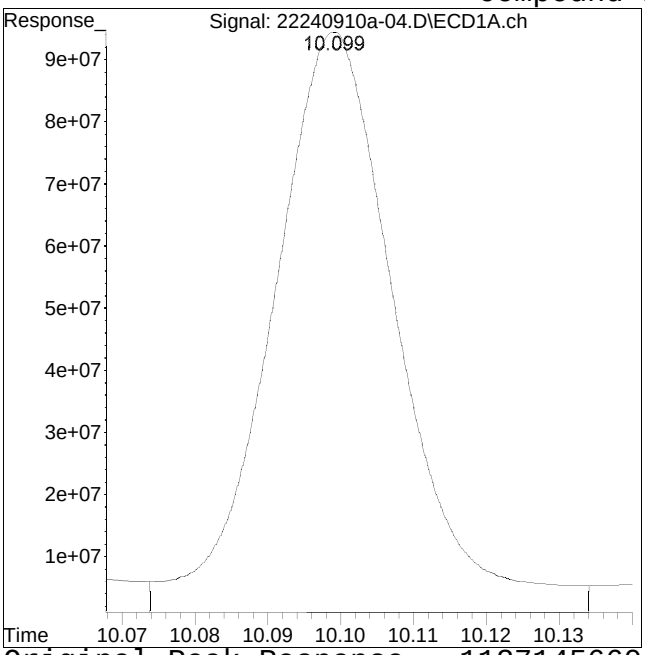


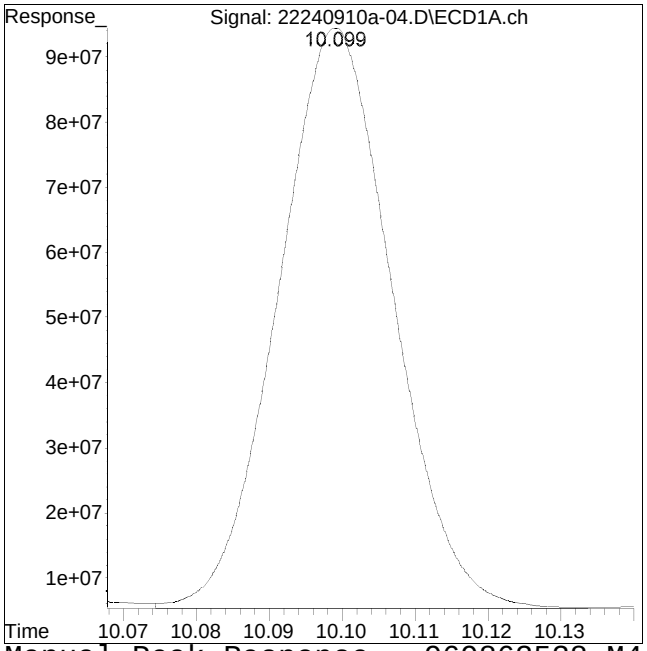
Original Peak Response = 430217676 Manual Peak Response = 361179619 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #12: Dinoseb



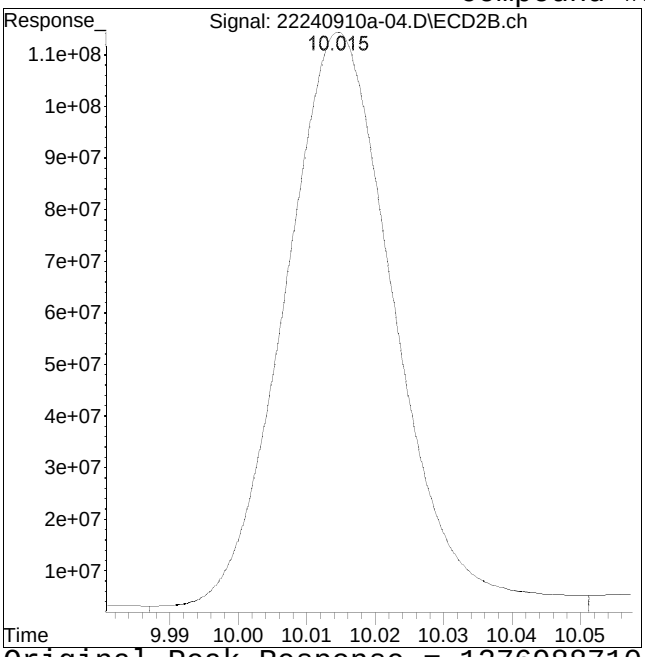


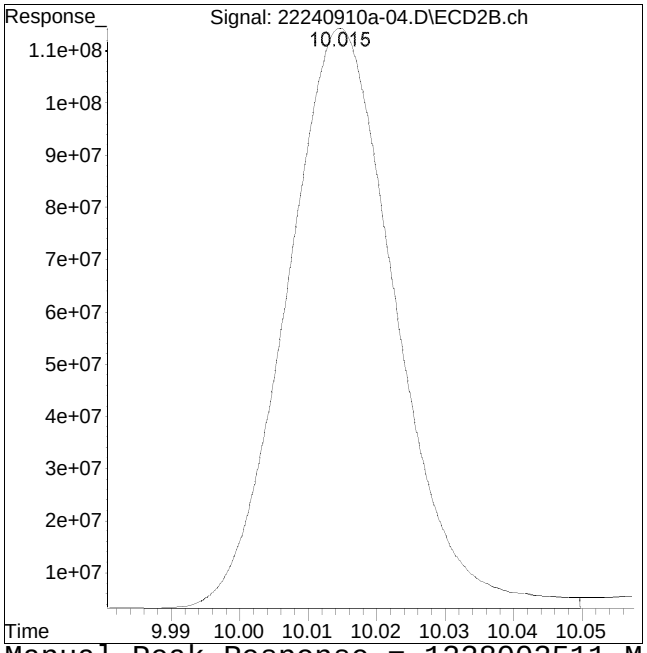
Original Peak Response = 1127145660 Manual Peak Response = 969863538 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240910QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240910a-04.D Operator : pest22:mmg
Date Inj'd : 9/10/2024 8:51 Instrument : Pest22
Sample : WG1968926-3,42,, 927 Quant Date : 9/10/2024 9:15 am

Compound #25: Dinoseb #2





Original Peak Response = 1276988710 Manual Peak Response = 1228002511 M4
M4 = Poor automated baseline construction.

Calculation of Herbicides

Aqueous Concentration Formula:
ug/L = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Vs)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Vs – Initial volume extracted (mL)
RF – Mean response factor

Soil/Solid Concentration Formula:
ug/kg = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Ws)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Ws – Initial weight extracted (g)
RF – Mean response factor

Dep.: PEST
Inst: Pest_22
Date: **07/16/24**
Run: ical

Method: 8151
GC: Herb

Seq: WG1947963
IS: pp11555

Vial	Data File	Sample	CCAL	notes	screen	initials
1	22240716i-01	blank,42e,,pp 11555 ---				
2	22240716i-02	il1herb,42e,,pp 11633 L0.005/5				EJL 7/16
3	22240716i-03	il2herb,42e,,pp 11632 L0.1/10				EJL 7/16
4	22240716i-04	il3herb,42e,,pp 11631 L0.2/20				EJL 7/16
5	22240716i-05	il4herb,42e,,pp 11630 L0.5/50				EJL 7/16
6	22240716i-06	il5herb,42e,,pp 11629 L1/100				EJL 7/16
7	22240716i-07	il6herb,42e,,pp 11628 L2/200				EJL 7/16
8	22240716i-08	cicv,42e,,pp 11634 L0.2/20 ICV		15%		EJL 7/16

Dep.: PEST
Inst: PEST_22
Date: **09/10/24**
Run: a

Method
GC: herb

Seq: wg1969563
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	22240910a-01	herb11705	a: dala high, 6:50			AKM 9/10
2	22240910a-02	WG1968926-1,42,, 927				MMG 9/10
3	22240910a-03	WG1968926-2,42,, 927				MMG 9/10
4	22240910a-04	WG1968926-3,42,, 927				MMG 9/10
5	22240910a-05	L2450417-01,42,,				MMG 9/10
6	22240910a-06	L2450417-02,42,,				MMG 9/10
7	22240910a-07	L2450417-03,42,,				MMG 9/10
8	22240910a-08	L2450417-04,42,,				MMG 9/10
9	22240910a-09	L2450417-06,42,, p				EJL 9/10
10	22240910a-10	WG1968926-4,42,, ms				EJL 9/10
11	22240910a-11	WG1968926-5,42,, msd				EJL 9/10
12	22240910a-12	L2450417-07,42,,				EJL 9/10
13	22240910a-13	L2450417-08,42,,				EJL 9/10
14	22240910a-14	L2450417-09,42,,				EJL 9/10
15	22240910a-15	L2450786-01,42,,				EJL 9/10
16	22240910a-16	L2450786-02,42,,				EJL 9/10
17	22240910a-17	herb11705	a: 15%, b: IS high, 12:52			EJL 9/10
18	22240910a-18	L2450786-03,42,,				EJL 9/10
19	22240910a-19	L2450786-04,42,,				EJL 9/10
20	22240910a-20	L2450786-05,42,,				EJL 9/10
21	22240910a-21	L2450786-06,42,,				EJL 9/10
22	22240910a-22	L2450786-07,42,,				EJL 9/10
23	22240910a-23	L2450786-08,42,,				EJL 9/10
24	22240910a-24	L2450786-09,42,,				EJL 9/10
25	22240910a-25	L2450786-10,42,,				EJL 9/10
26	22240910a-26	L2450786-12,42,,				EJL 9/10
27	22240910a-27	L2450799-01,42,,				EJL 9/10
28	22240910a-28	herb11705	a: 15%, b: IS high, 16:16		peg	EJL 9/10
29	22240910a-29	WG1968762-1,42,,				EJL 9/10
30	22240910a-30	WG1968762-2,42,,	24db low, okay for APAs			EJL 9/10
31	22240910a-31	WG1968762-3,42,,				EJL 9/10
32	22240910a-32	L2450138-01,42,,				EJL 9/10
33	22240910a-33	L2450138-02,42,,				EJL 9/10
34	22240910a-34	L2450389-07,42,,				EJL 9/10
35	22240910a-35	L2450389-09,42,,				EJL 9/10
36	22240910a-36	L2450389-11,42,,				JAG 9/10
37	22240910a-37	L2450389-13,42,,				JAG 9/10
38	22240910a-38	L2450847-01,42,,				JAG 9/10
39	22240910a-39	L2450847-02,42,,				JAG 9/10
40	22240910a-40	L2450847-03,42,,				JAG 9/10
41	22240910a-41	L2450847-04,42,,				JAG 9/10
42	22240910a-42	herb11705	a: 15% b: is high 20:37			JAG 9/10
43	22240910a-43	L2450847-05,42,,				JAG 9/10
44	22240910a-44	L2450847-06,42,,				JAG 9/10

Dep.: PEST
Inst: PEST_22
Date: **09/10/24**
Run: a

Method
GC: herb

Seq: wg1969563
IS: pp11738

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	22240910a-45	L2450847-07,42,,				JAG 9/10
46	22240910a-46	L2450847-50,42,,				JAG 9/10
47	22240910a-47	L2450847-51,42,,	rr surro low in A			PEG 9/11
48	22240910a-48	L2450847-52,42,,				PEG 9/11
49	22240910a-49	L2450847-53,42,,	rr surro low in A			
50	22240910a-50	L2450847-54,42,,				PEG 9/11
51	22240910a-51	L2450847-55,42,,				PEG 9/11
52	22240910a-52	L2450847-56,42,,	surros low, rv			
53	22240910a-53	herb11705 a: 15% b: is high 00:00 (9/11)				PEG 9/11
54	22240910a-54	L2450631-03,42,,		PEG		EJL 9/11
55	22240910a-55	L2450631-02,42,,				EJL 9/11
56	22240910a-56	L2450631-01,42,,				EJL 9/11
57	22240910a-57	L2450407-01,42,,,R3E				PEG 9/11
58	22240910a-58	L2450407-02,42,,,R3E				PEG 9/11
59	22240910a-59	L2450407-03,42,,,R3E				PEG 9/11
60	22240910a-60	L2450407-04,42,,,R3E				PEG 9/11
61	22240910a-61	L2450407-05,42,,,R3E				PEG 9/11
62	22240910a-62	L2450407-06,42,,,R3E				PEG 9/11
63	22240910a-63	L2450407-07,42,,,R3E				PEG 9/11
64	22240910a-64	herb11705 IS high both channels				PEG 9/11
65	22240910a-65	L2450407-08,42,,,R3E	failing mid rr			
66	22240910a-66	L2450407-09,42,,,R3E	^			
67	22240910a-67	L2450407-10,42,,,R3E	^			
68	22240910a-68	L2450407-11,42,,,R3E	^			
69	22240910a-69	L2451109-03,42,,,R3C	^		jag	
70	22240910a-70	WG1968929-1,42,, mcp	^			
71	22240910a-71	WG1968929-2,42,, mcp	^			
72	22240910a-72	WG1968929-3,42,, mcp	^			
73	22240910a-73	L2450456-01,42,, mcp	^			
74	22240910a-74	WG1968931-1,42,,	^			
75	22240910a-75	WG1968931-2,42,,	^			
76	22240910a-76	WG1968931-3,42,,	^			
77	22240910a-77	L2450354-02,42,,	^			
78	22240910a-78	WG1968930-1,42,,	^			
79	22240910a-79	WG1968930-2,42,,	^			
80	22240910a-80	WG1968930-3,42,,	^			
81	22240910a-81	L2450333-08,42,,	^		jag	
82	22240910a-82	WG1969893-1,42,, t	^			
83	22240910a-83	WG1969893-2,42,, t	^			
84	22240910a-84	WG1969893-3,42,, t	^			
85	22240910a-85	herb11705	^			
86	22240910a-86	L2450169-01,42,,,R3E t	^		peg	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 03:10 pm

Work Group: WG1968926 for Department: 2 Organic Preparation

Created: 08-SEP-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450417-01	MW-4A	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-02	MW-4B	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-03	MW-3A	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-04	MW-3B	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-06	MW-2A	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-07	MW-2B	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-08	MW-9A	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450417-09	MW-9B	S	HERB-8151	WATER	DONE	U	0911	0911	S0	Amber-A1
L2450786-01	MW-5A	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-02	MW-5B	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-03	MW-6A	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-04	MW-6B	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-05	MW-7A	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-06	MW-7B	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-07	MW-8A	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-08	MW-8B	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-09	MW-10A	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-10	MW-10B	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
L2450786-12	DUP	S	HERB-8151	WATER	DONE	U	0912	0911	S0	Amber-A1
WG1968926-1	Laboratory Method Bl	S	HERB-8151	WATER	DONE	U				
WG1968926-2	Laboratory Control S	S	HERB-8151	WATER	DONE	U				
WG1968926-3	LCS Duplicate	S	HERB-8151	WATER	DONE	U				
WG1968926-4	Matrix Spike	S	HERB-8151	WATER	DONE	U				
WG1968926-5	Matrix Spike Duplica	S	HERB-8151	WATER	DONE	U				

Comments:

WG1968926-3	WG1968926-2
WG1968926-4	L2450417-06
WG1968926-5	L2450417-06

ORGANIC ELN REPORT

Workgroup: WG1968926

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** 24050143
Surrogate Type: Herbicide **Lot #:** PP11710ab,01/26/2025,5l,25,1(
Spike Type: Herbicides **Lot #:** PP11709aj,01/26/2025,5l,10,3
Spike Verify by: YDA
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	A072424
25% NaOH	Na082224
Acidified Na2SO4	AS090824
DCM	EJ049
Diethyl ether	24050143
Na2S2O3	N/A
NaCl	24C2556110

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: 24050143

Additional Reagents/Stds

Acidified Na2SO4	AS090924B
Diazomethane	D090924
Hexane	EI540
Isooctane	STBK8849
Methanol	64039
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume ml	Methylation Date	ml ml	Conc Unit
L2450417-01 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-02 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-03 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-04 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-06 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7

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ORGANIC ELN REPORT

Workgroup: WG1968926

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2450417-07 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-08 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450417-09 WATER	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-01 SAMP	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-02 SAMP	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-03 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-04 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-05 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7

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ORGANIC ELN REPORT

Workgroup: WG1968926

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2450786-06 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-07 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-08 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-09 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-10 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
L2450786-12 SAMP	09/08/24 15:27	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
WG1968926-1 BLANK	09/08/24 15:23 **WG1968927**	Yaw Adu	1000	>12,<2	N/A	.5		09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
WG1968926-2 LCS	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5	.5	09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7

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ORGANIC ELN REPORT

Workgroup: WG1968926

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
WG1968926-3 LCSD	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5	.5	09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
WG1968926-4 MS	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5	.5	09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7
WG1968926-5 MSD	09/08/24 15:23	Yaw Adu	1000	>12,<2	N/A	.5	.5	09/08/24 16:20	09/08/24 17:50	09/09/24 20:30	Caleb Agyepong	0.5	09/09/24 22:16	10	S-EVAP G,N#7

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GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-5A (L2450786-01)	63	72	72	79			0
MW-5B (L2450786-02)	63	72	73	80			0
MW-6A (L2450786-03)	70	75	76	80			0
MW-6B (L2450786-04)	63	70	71	79			0
MW-7A (L2450786-05)	67	76	74	82			0
MW-7B (L2450786-06)	64	69	71	76			0
MW-8A (L2450786-07)	65	66	72	73			0
MW-8B (L2450786-08)	63	66	71	72			0
MW-10A (L2450786-09)	70	73	75	79			0
MW-10B (L2450786-10)	71	76	78	84			0
DUP (L2450786-12)	67	74	75	78			0
WG1968961-1BLANK	36	33	72	72			0
WG1968961-2LCS	46	53	68	79			0
WG1968961-3LCSD	48	53	68	74			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
PCBs

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968961-2	**Analysis Date** : 09/11/24 10:47	**File ID** : P2240911a-13
LCSD Sample ID	: WG1968961-3	**Analysis Date** : 09/11/24 10:56	**File ID** : P2240911a-14

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	1.78	1.02	57	1.78	1.09	61	7	40-140	50
Aroclor 1260	1.78	1.09	61	1.78	1.10	62	1	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968961-1	**Lab File ID**	: P2240911a-12
Matrix	: WATER	**Extraction Date**	: 09/08/24
Sulfur Cleanup	: Y		
Analysis Date (1)	: 09/11/24 10:38	**Analysis Date (2)**	: 09/11/24 10:38
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1968961-2LCS	WG1968961-2	09/11/24 10:47	09/11/24 10:47
WG1968961-3LCSD	WG1968961-3	09/11/24 10:56	09/11/24 10:56
MW-5A	L2450786-01	09/11/24 12:40	09/11/24 12:40
MW-5B	L2450786-02	09/11/24 12:49	09/11/24 12:49
MW-6A	L2450786-03	09/11/24 12:58	09/11/24 12:58
MW-6B	L2450786-04	09/11/24 13:08	09/11/24 13:08
MW-7A	L2450786-05	09/11/24 13:17	09/11/24 13:17
MW-7B	L2450786-06	09/11/24 13:26	09/11/24 13:26
MW-8A	L2450786-07	09/11/24 13:36	09/11/24 13:36
MW-8B	L2450786-08	09/11/24 13:45	09/11/24 13:45
MW-10A	L2450786-09	09/11/24 13:55	09/11/24 13:55
MW-10B	L2450786-10	09/11/24 14:04	09/11/24 14:04
DUP	L2450786-12	09/11/24 14:13	09/11/24 14:13

Analytical Sequence
Form 8b
PCBs

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 09/09/24 09/09/24

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L5 (250ug/L)	R1874076-7	09/09/24 21:01
1232/1262 L5 (250ug/L)	R1874076-8	09/09/24 21:10
1248 L5 (250ug/L)	R1874076-1	09/09/24 21:19
1221/1254 L5 (250ug/L)	R1874076-2	09/09/24 21:29
1016/1260 L2 (10ug/L)	R1874076-3	09/09/24 21:48
1016/1260 L3 (50ug/L)	R1874076-4	09/09/24 21:57
1016/1260 L4 (100ug/L)	R1874076-5	09/09/24 22:06
1016/1260 L5 (250ug/L)	R1874076-6	09/09/24 22:16
1016/1260 L6 (500ug/L)	R1874076-9	09/09/24 22:25
1016/1260 L7 (1000ug/L)	R1874076-10	09/09/24 22:35
R1874076-11 ICV	R1874076-11	09/09/24 22:44
R1874076-12 ICV	R1874076-12	09/09/24 22:53
R1874076-13 ICV	R1874076-13	09/09/24 23:03
R1874076-14 ICV	R1874076-14	09/09/24 23:12
R1874076-15 ICV	R1874076-15	09/09/24 23:22
WG1970214-1 CCAL	WG1970214-1	09/11/24 09:10
WG1968961-1 BLANK	WG1968961-1	09/11/24 10:38
WG1968961-2 LCS	WG1968961-2	09/11/24 10:47
WG1968961-3 LCSD	WG1968961-3	09/11/24 10:56
MW-5A	L2450786-01	09/11/24 12:40
MW-5B	L2450786-02	09/11/24 12:49
MW-6A	L2450786-03	09/11/24 12:58
MW-6B	L2450786-04	09/11/24 13:08
MW-7A	L2450786-05	09/11/24 13:17
MW-7B	L2450786-06	09/11/24 13:26
MW-8A	L2450786-07	09/11/24 13:36
MW-8B	L2450786-08	09/11/24 13:45
MW-10A	L2450786-09	09/11/24 13:55
MW-10B	L2450786-10	09/11/24 14:04
DUP	L2450786-12	09/11/24 14:13

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
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PCB - EPA 8082A (WATER)

Holding Time: 365 days
Container / Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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PCB - EPA 8082A (SOIL)

Holding Time: 365 days
Container / Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 12:40
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 12:49
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-26	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 12:58
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-27	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-28	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:17
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-29	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:26
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-30	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:36
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-31	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:45
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-32	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 13:55
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-33	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 14:04
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-34	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/11/24 14:13
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-35	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968961-1	**Date Collected**	: NA
Client ID	: WG1968961-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/11/24 10:38
Sample Matrix	: WATER	**Date Extracted**	: 09/08/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240911a-12	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:40
Operator : pest2:meo
Sample : L2450786-01,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:24 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.189	1.257	201.8E6	184.8E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery = 120.89%		
	Standard Area 1 : #2 = 154985125				Recovery = 119.24%		
14) i	2154_1br2nb	1.189	1.257	201.8E6	184.8E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.189	1.257	201.8E6	184.8E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.189	1.257	201.8E6	184.8E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.189	1.257	201.8E6	184.8E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	194.8E6	225.0E6	12.690M4	14.394M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 63.45%		71.97%
3) s	Decachlorobi	4.028	4.549	163.5E6	154.7E6	14.352M4	15.804M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 71.76%		79.02%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:40
Operator : pest2:meo
Sample : L2450786-01,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:24 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:40
Operator : pest2:meo
Sample : L2450786-01,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:24 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:40
Operator : pest2:meo
Sample : L2450786-01,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:24 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

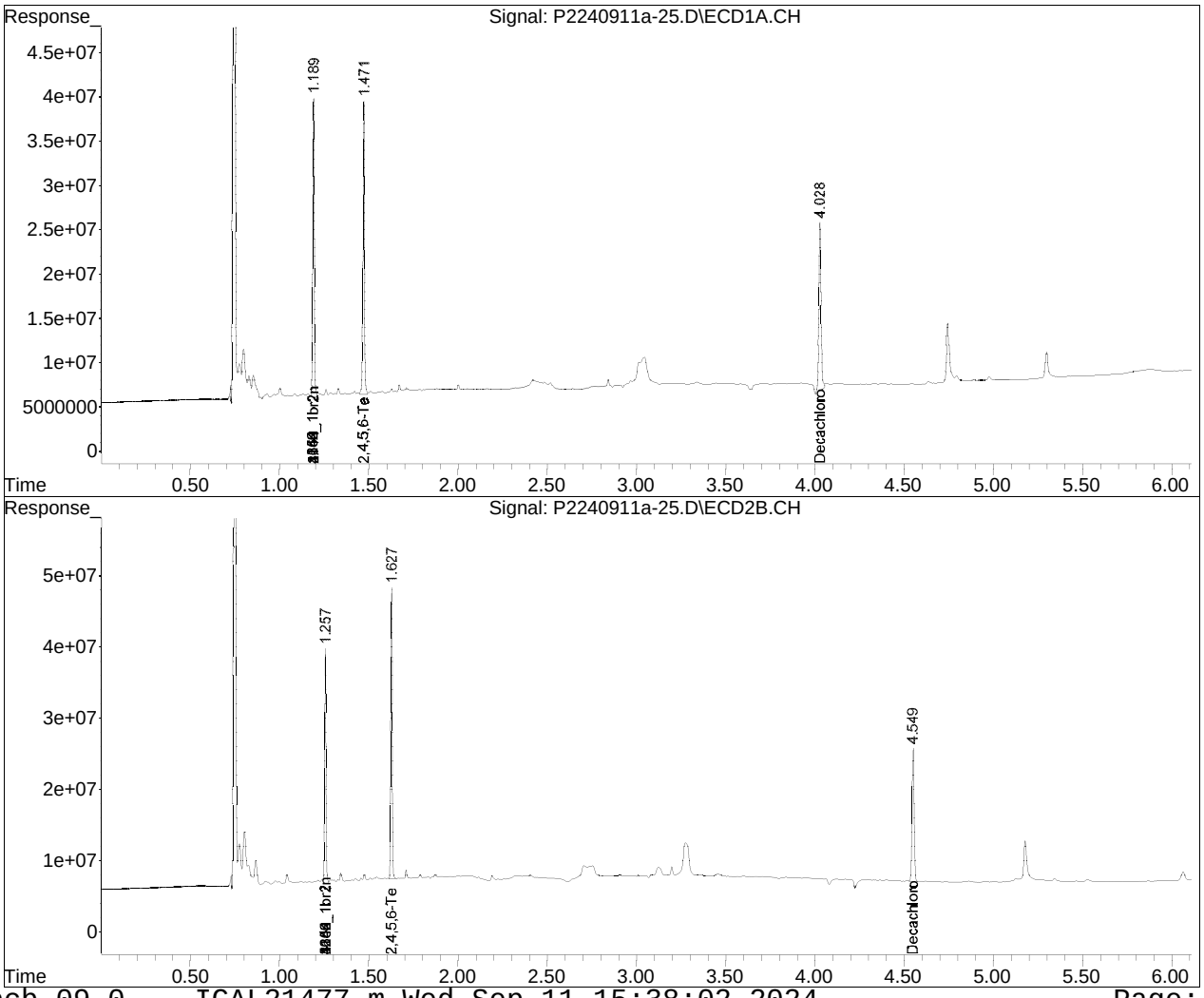
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:40
Operator : pest2:meo
Sample : L2450786-01,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:24 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

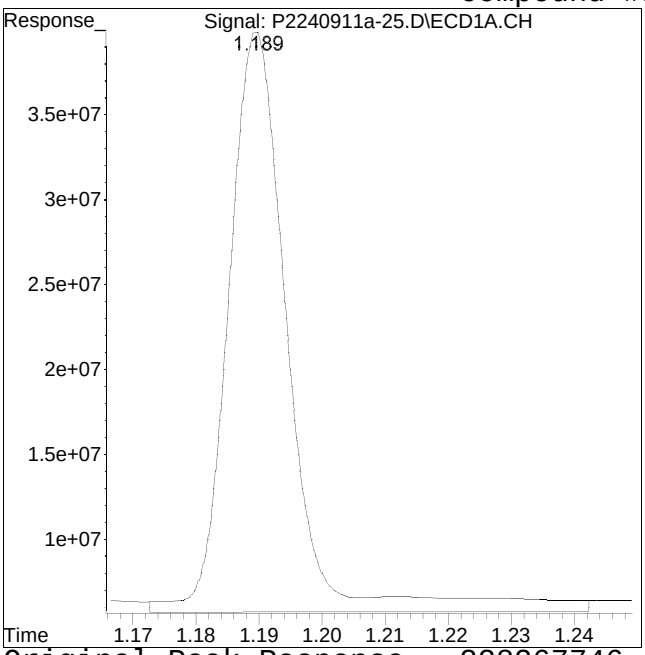
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

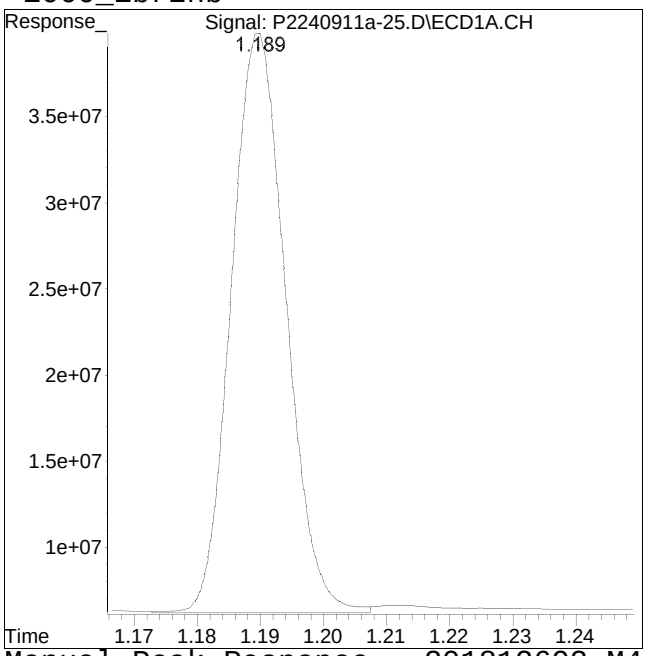


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #1: 1660_1br2nb



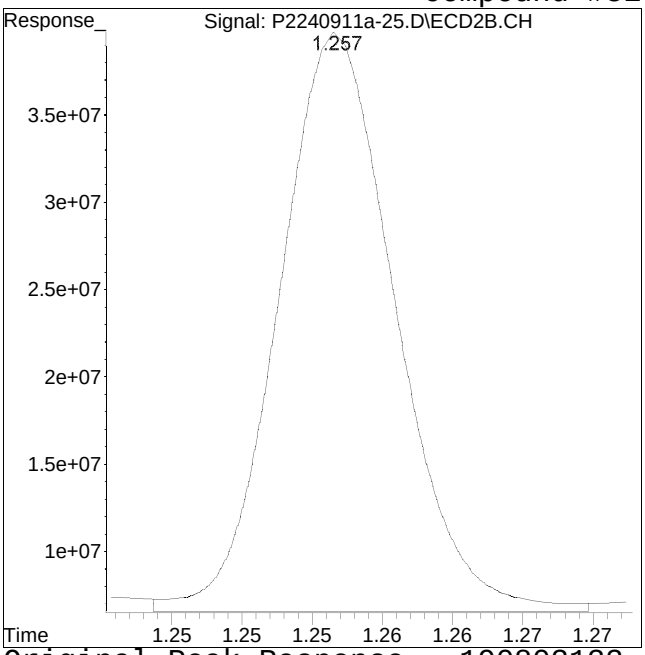


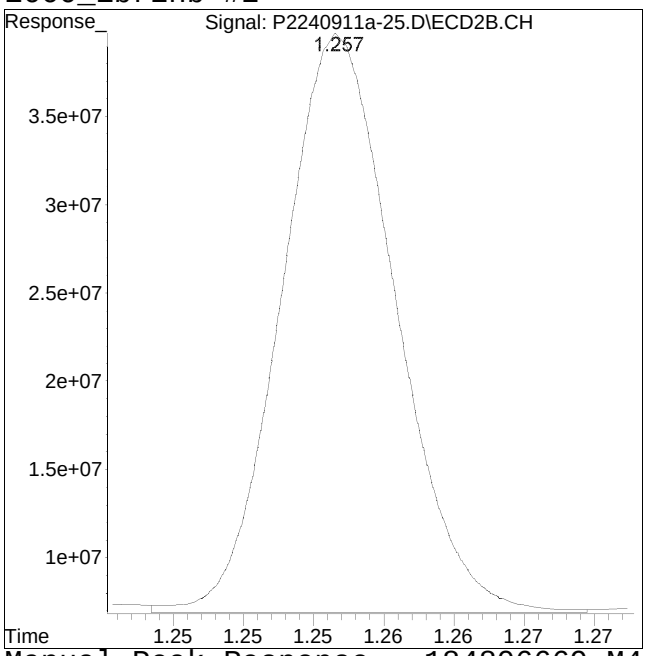
Original Peak Response = 228267746 Manual Peak Response = 201812692 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



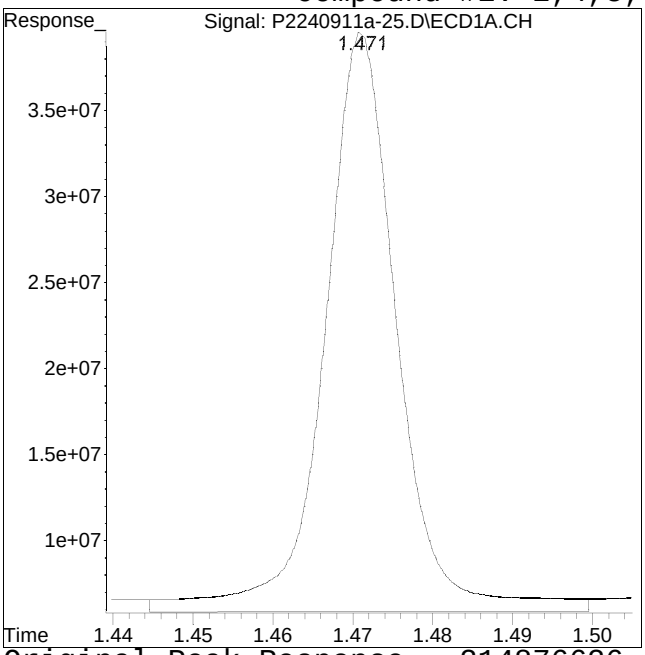


Original Peak Response = 190803133 Manual Peak Response = 184806669 M4
M4 = Poor automated baseline construction.

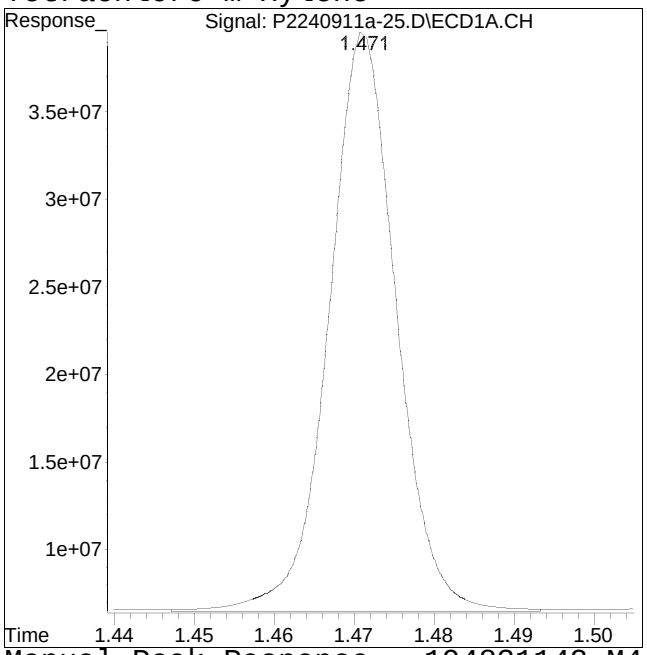
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 214876626



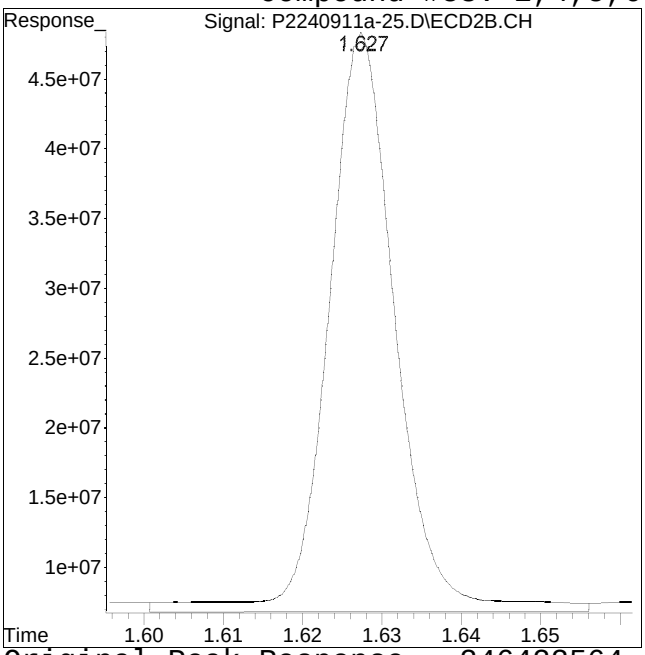
Manual Peak Response = 194831142 M4

M4 = Poor automated baseline construction.

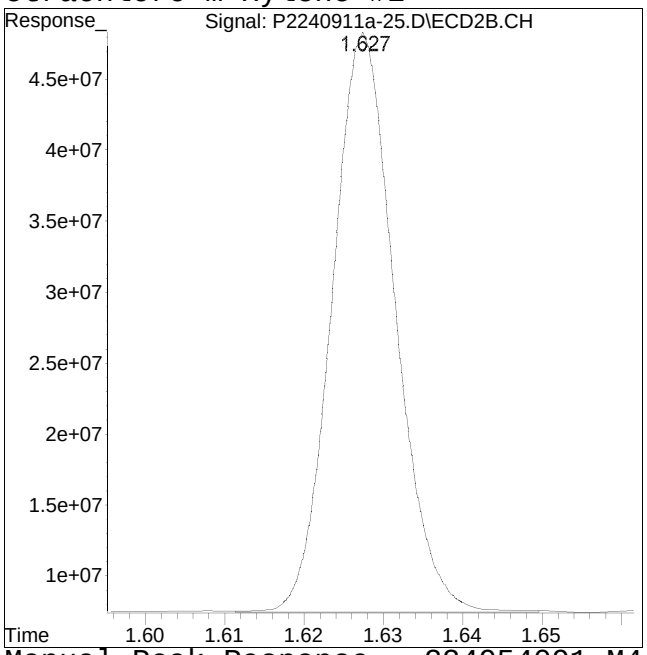
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 246422564



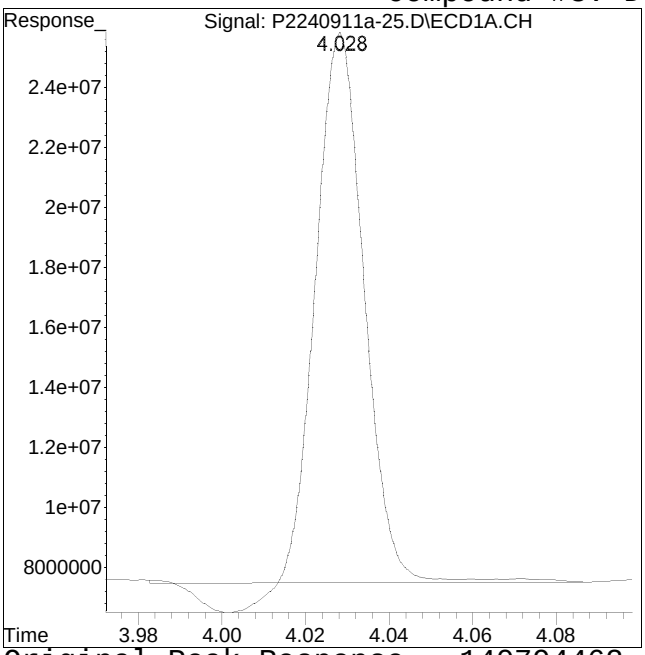
Manual Peak Response = 224954091 M4

M4 = Poor automated baseline construction.

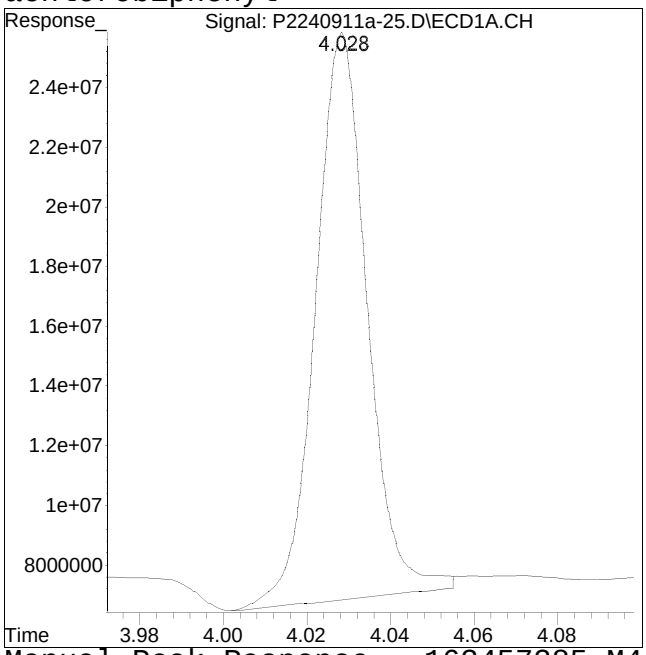
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 140794462



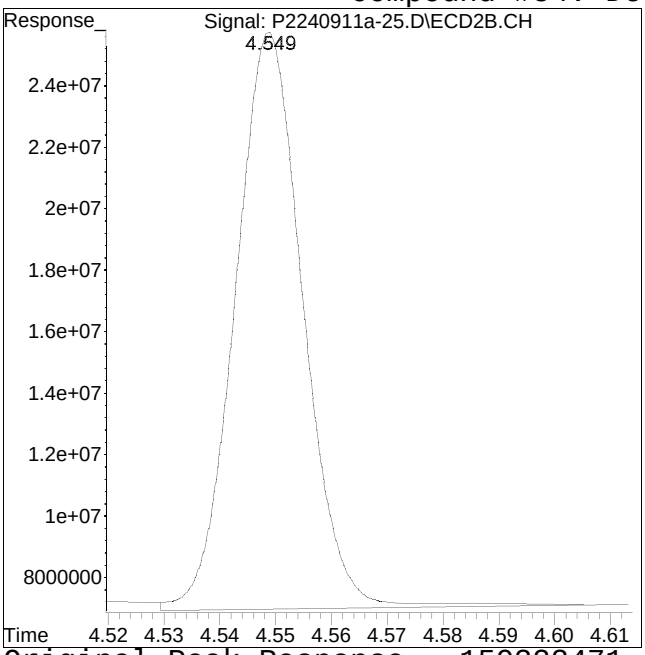
Manual Peak Response = 163457385 M4

M4 = Poor automated baseline construction.

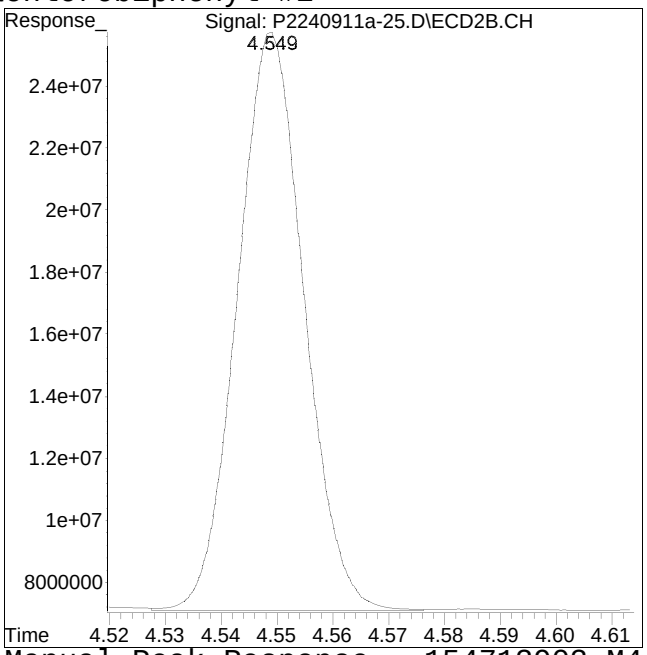
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-25.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:40 Instrument : Pest 2
Sample : L2450786-01,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 159322471



Manual Peak Response = 154713903 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:49
Operator : pest2:meo
Sample : L2450786-02,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:27 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.189	1.256	200.7E6	185.9E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery = 120.22%		
	Standard Area 1 : #2 = 154985125				Recovery = 119.95%		
14) i	2154_1br2nb	1.189	1.256	200.7E6	185.9E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.189	1.256	200.7E6	185.9E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.189	1.256	200.7E6	185.9E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.189	1.256	200.7E6	185.9E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	193.6E6	226.4E6	12.683M4	14.397M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 63.41%		71.98%
3) s	Decachlorobi	4.028	4.549	166.2E6	156.9E6	14.671M4	15.930
	Spiked Amount 20.000	Range 30 - 150			Recovery = 73.35%		79.65%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:49
Operator : pest2:meo
Sample : L2450786-02,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:27 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:49
Operator : pest2:meo
Sample : L2450786-02,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:27 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:49
Operator : pest2:meo
Sample : L2450786-02,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:27 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

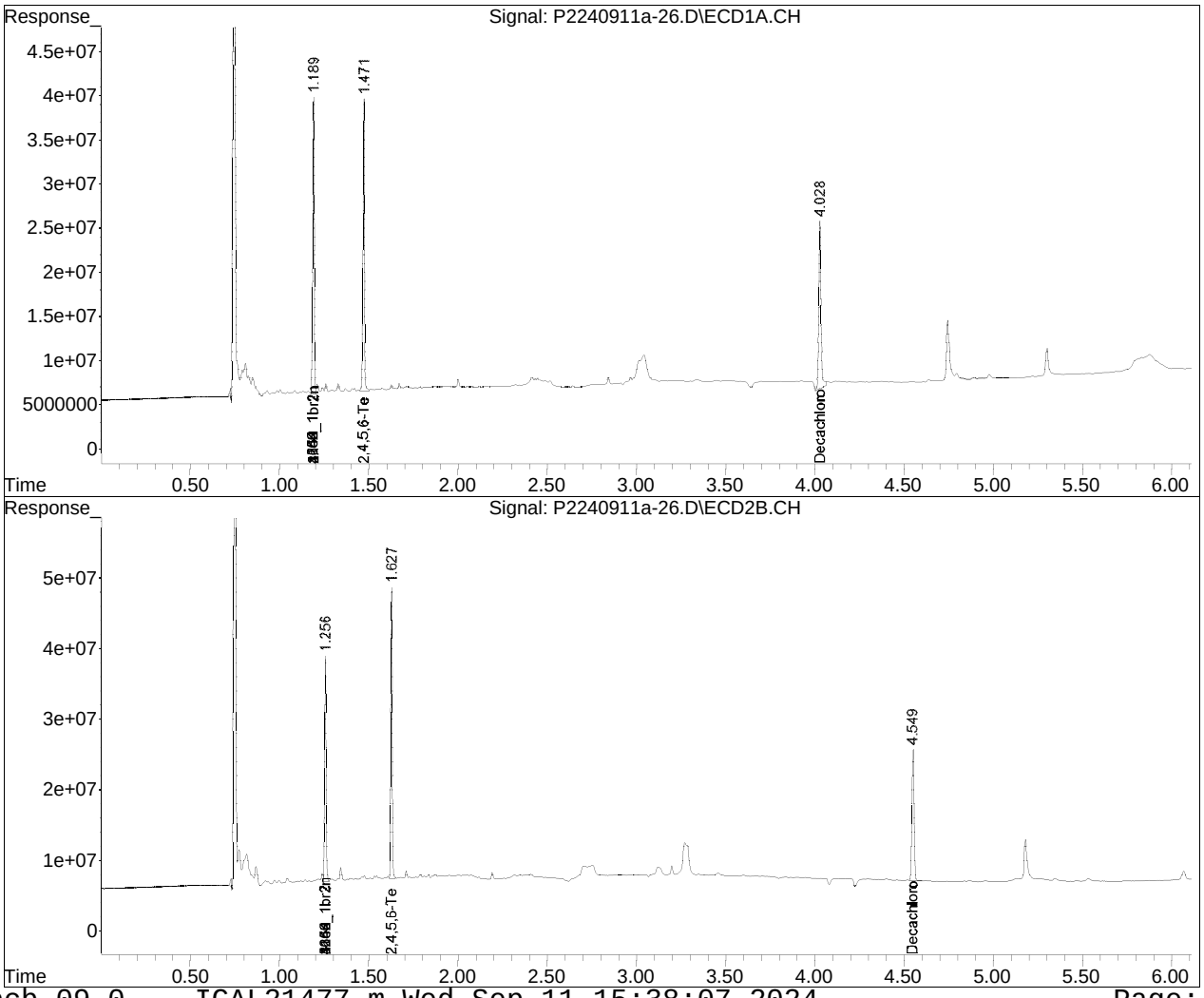
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:49
Operator : pest2:meo
Sample : L2450786-02,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:27 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

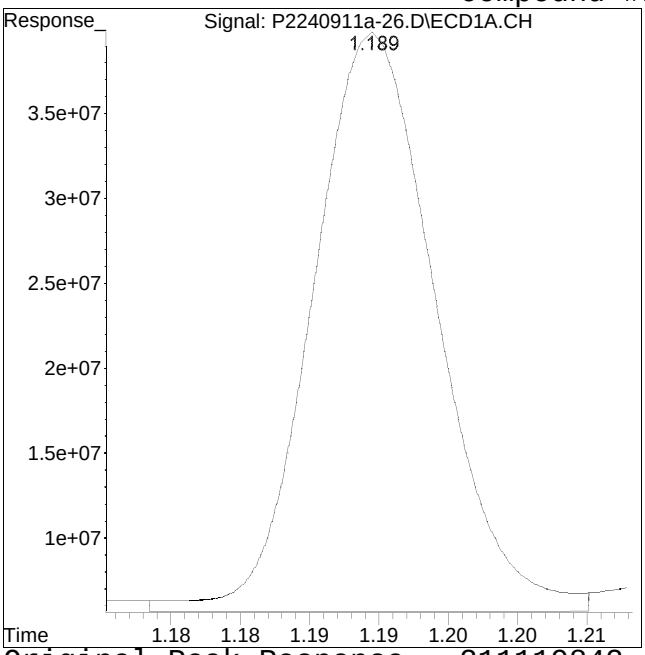
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

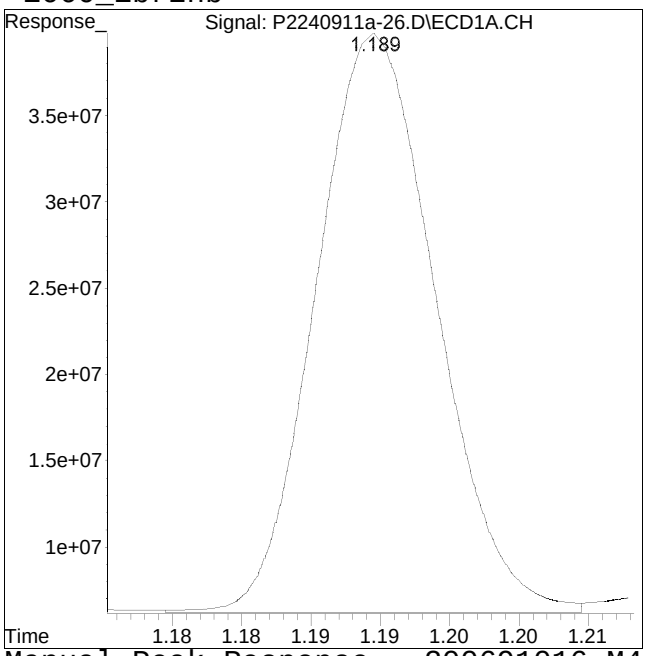


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-26.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:49 Instrument : Pest 2
Sample : L2450786-02,42,, Quant Date : 9/11/2024 2:36 pm

Compound #1: 1660_1br2nb



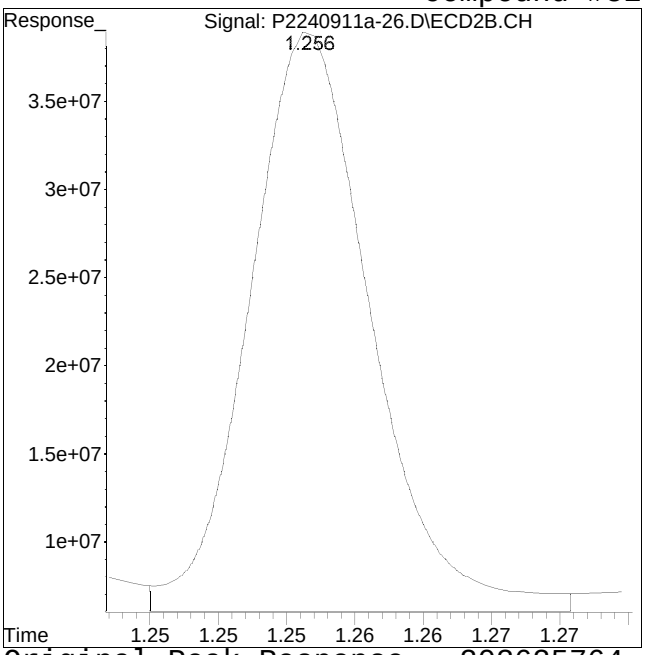


Original Peak Response = 211119842 Manual Peak Response = 200691016 M4
M4 = Poor automated baseline construction.

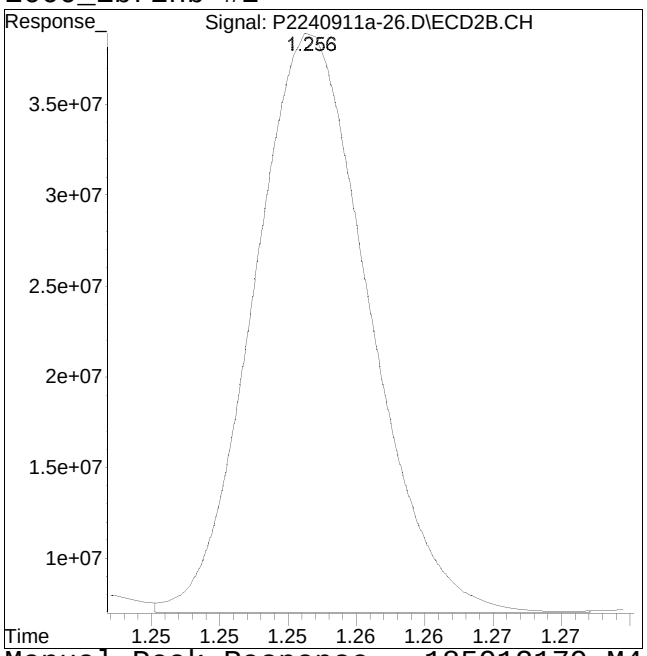
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-26.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:49 Instrument : Pest 2
Sample : L2450786-02,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 203625764



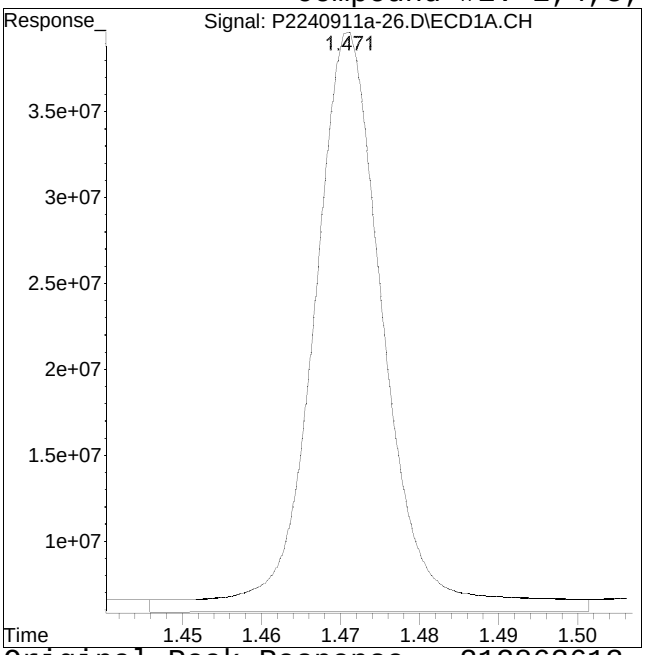
Manual Peak Response = 185912179 M4

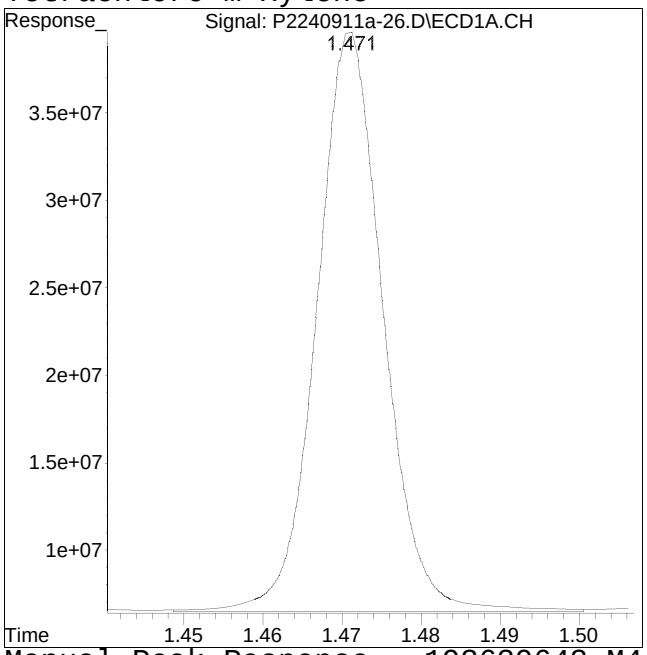
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-26.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:49 Instrument : Pest 2
Sample : L2450786-02,42,, Quant Date : 9/11/2024 2:36 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



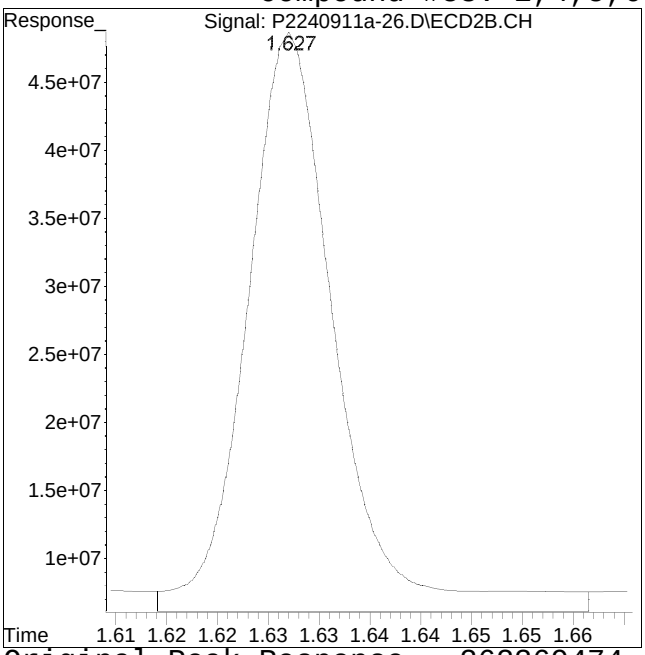


Original Peak Response = 212863613 Manual Peak Response = 193639643 M4
M4 = Poor automated baseline construction.

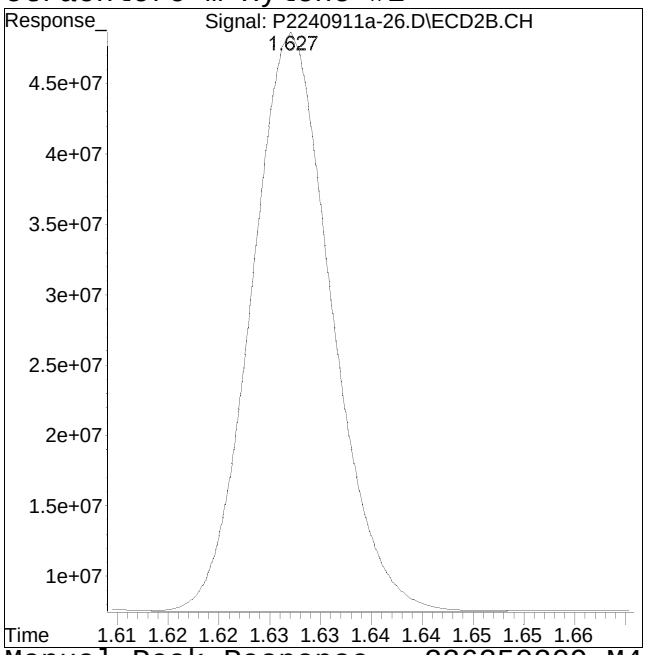
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-26.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:49 Instrument : Pest 2
Sample : L2450786-02,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 262369474



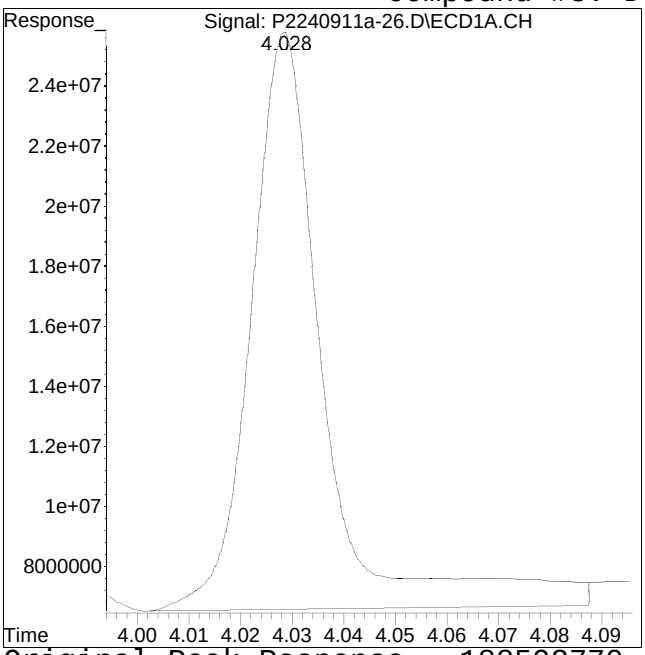
Manual Peak Response = 226350209 M4

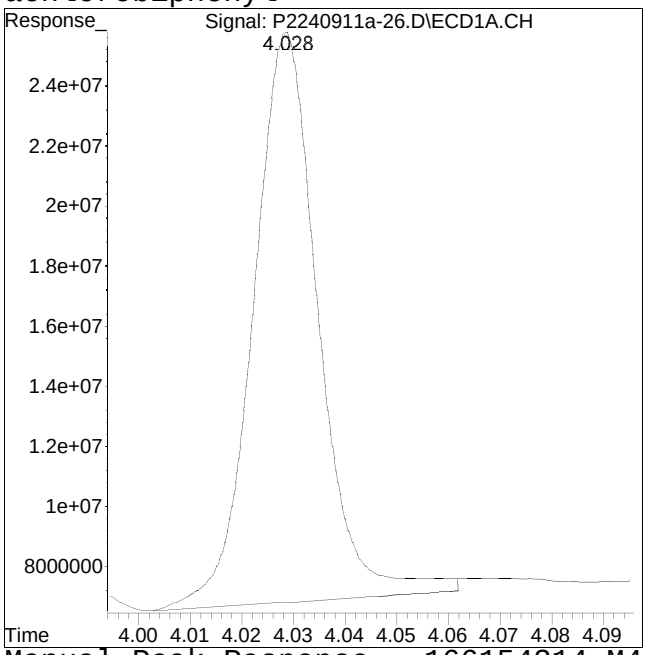
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-26.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:49 Instrument : Pest 2
Sample : L2450786-02,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 188592770 Manual Peak Response = 166154314 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:58
Operator : pest2:meo
Sample : L2450786-03,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:30 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.257	210.3E6	198.0E6	25.000	25.000
	Standard Area 1 : #1 = 166941545				Recovery =	125.96%	
	Standard Area 1 : #2 = 154985125				Recovery =	127.73%	
14) i	2154_1br2nb	1.190	1.257	210.3E6	198.0E6	25.000	25.000
23) i	4268_1br2nb	1.190	1.257	210.3E6	198.0E6	25.000	25.000
34) i	1248_1br2nb	1.190	1.257	210.3E6	198.0E6	25.000	25.000
40) i	3262_1br2nb	1.190	1.257	210.3E6	198.0E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	224.4E6	249.5E6	14.026	14.904M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	70.13%	74.52%
3) s	Decachlorobi	4.028	4.549	179.6E6	167.2E6	15.133M4	15.944M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	75.66%	79.72%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:58
Operator : pest2:meo
Sample : L2450786-03,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:30 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:58
Operator : pest2:meo
Sample : L2450786-03,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:30 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:58
Operator : pest2:meo
Sample : L2450786-03,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:30 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

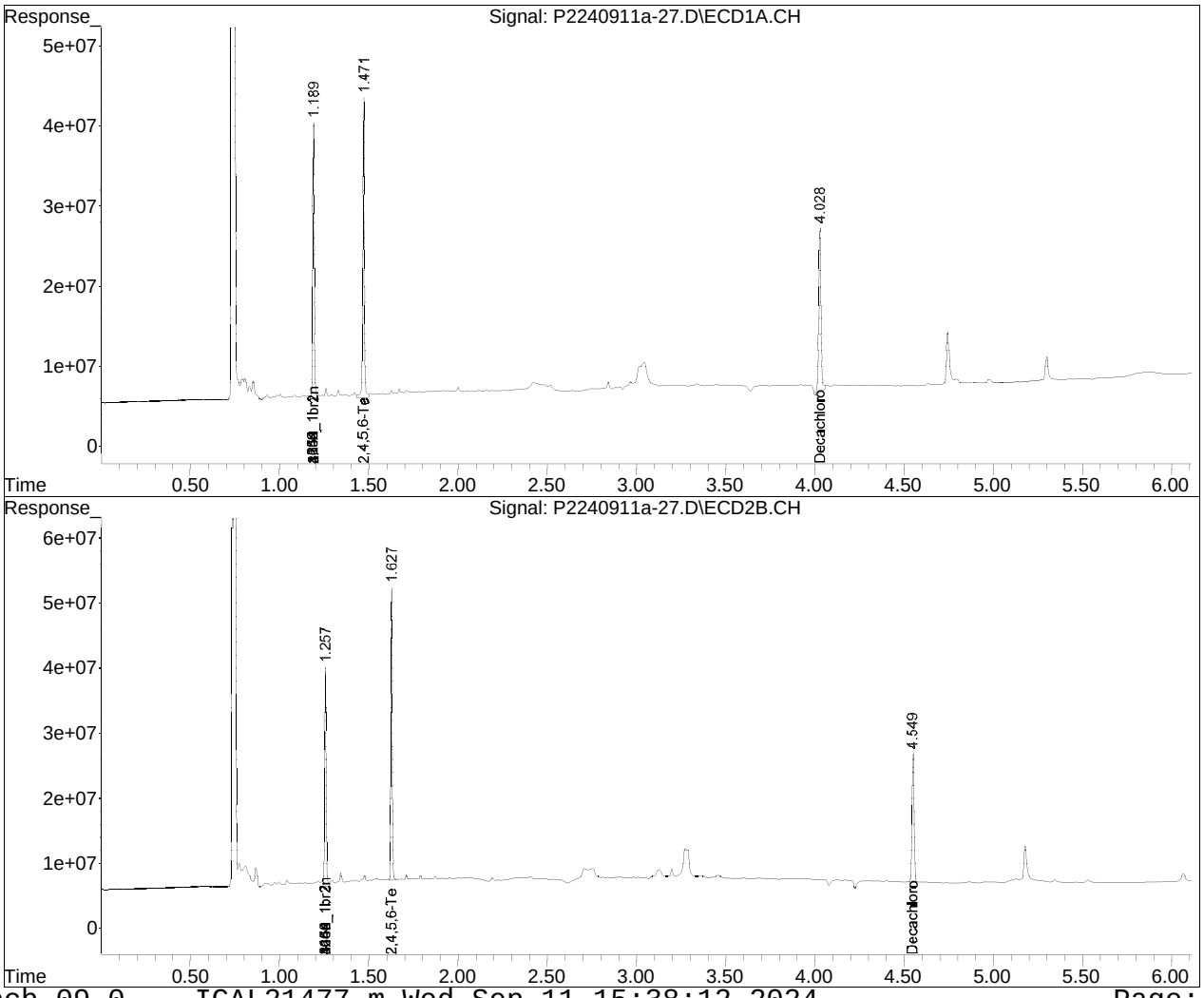
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-27.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 12:58
Operator : pest2:meo
Sample : L2450786-03,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:30 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

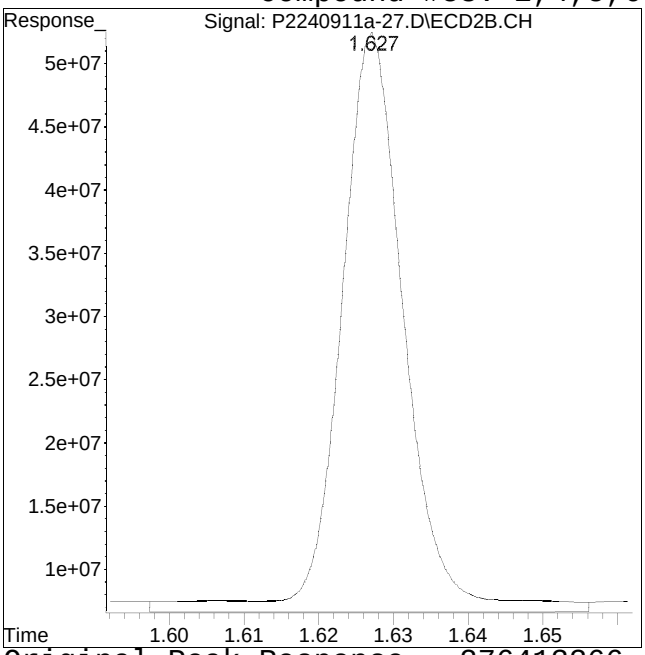
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

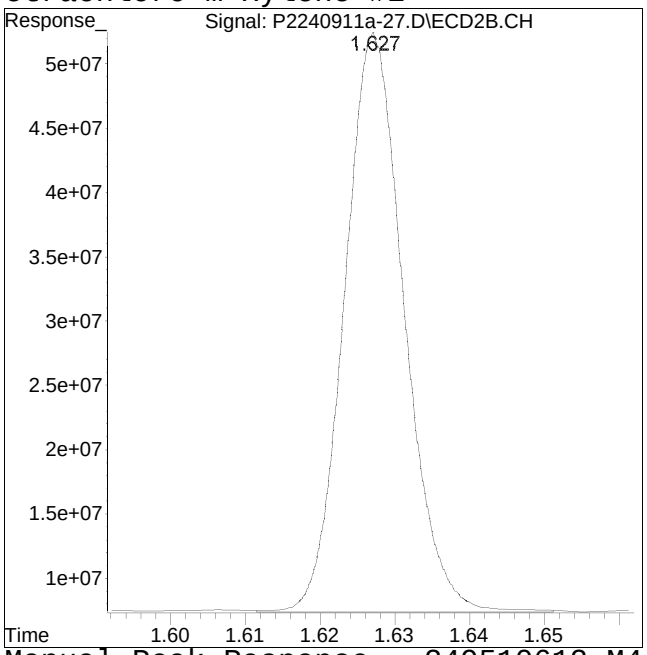


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-27.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:58 Instrument : Pest 2
Sample : L2450786-03,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



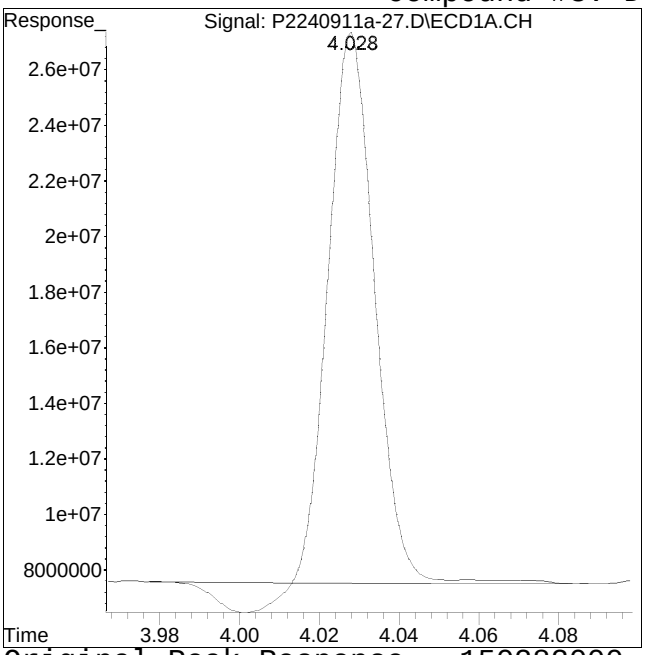


Original Peak Response = 276413366 Manual Peak Response = 249510612 M4
M4 = Poor automated baseline construction.

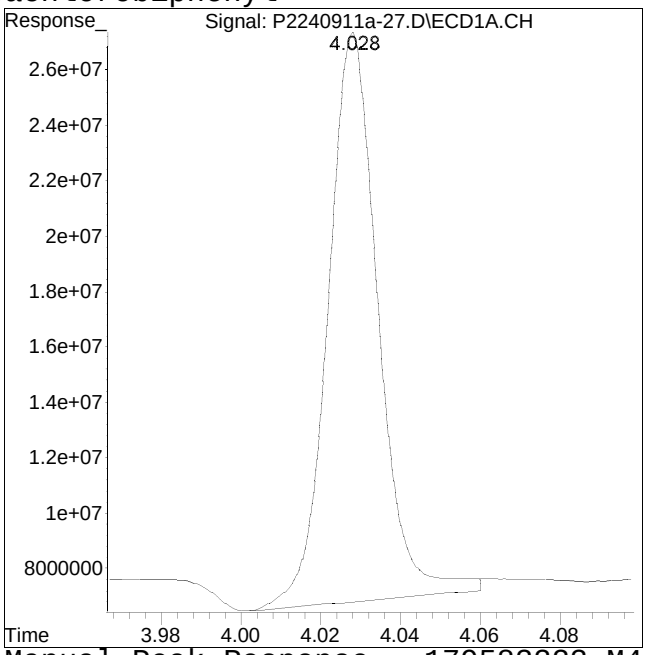
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-27.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:58 Instrument : Pest 2
Sample : L2450786-03,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 150282000



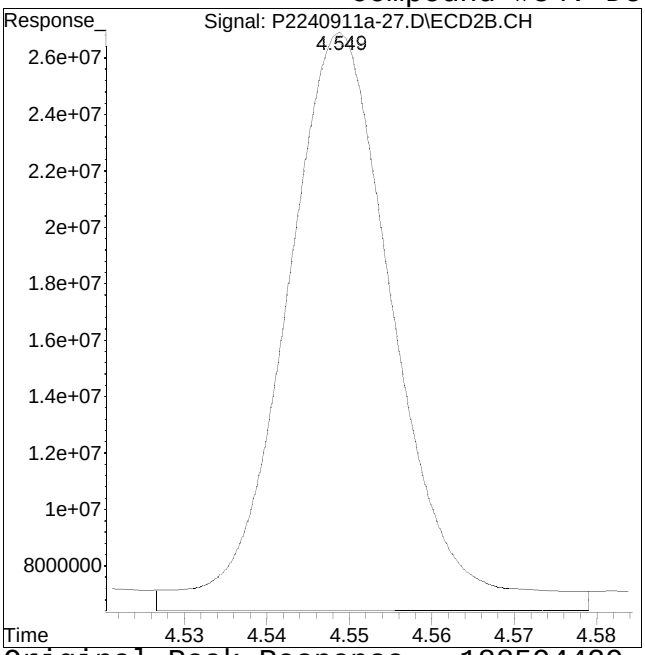
Manual Peak Response = 179583323 M4

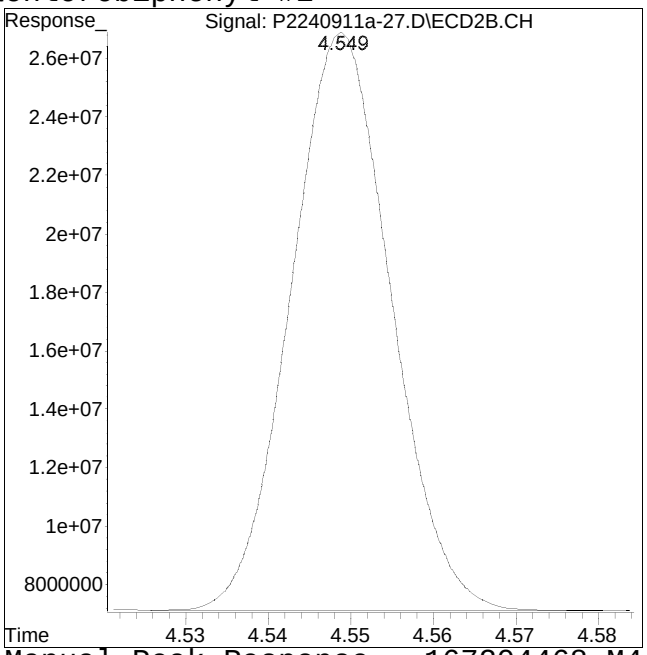
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-27.D Operator : pest2:meo
Date Inj'd : 9/11/2024 12:58 Instrument : Pest 2
Sample : L2450786-03,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 188594429 Manual Peak Response = 167204468 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-28.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:08
Operator : pest2:meo
Sample : L2450786-04,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:33 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.256	204.3E6	190.0E6	25.000	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery =	122.40%	
	Standard Area 1 : #2 = 154985125				Recovery =	122.57%	
14) i	2154_1br2nb	1.190	1.256	204.3E6	190.0E6	25.000	25.000M4
23) i	4268_1br2nb	1.190	1.256	204.3E6	190.0E6	25.000	25.000M4
34) i	1248_1br2nb	1.190	1.256	204.3E6	190.0E6	25.000	25.000M4
40) i	3262_1br2nb	1.190	1.256	204.3E6	190.0E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	195.1E6	226.5E6	12.548	14.099M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	62.74%	70.49%
3) s	Decachlorobi	4.028	4.549	163.5E6	158.4E6	14.178M4	15.741M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	70.89%	78.70%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-28.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:08
Operator : pest2:meo
Sample : L2450786-04,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:33 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-28.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:08
Operator : pest2:meo
Sample : L2450786-04,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:33 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-28.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:08
Operator : pest2:meo
Sample : L2450786-04,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:33 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

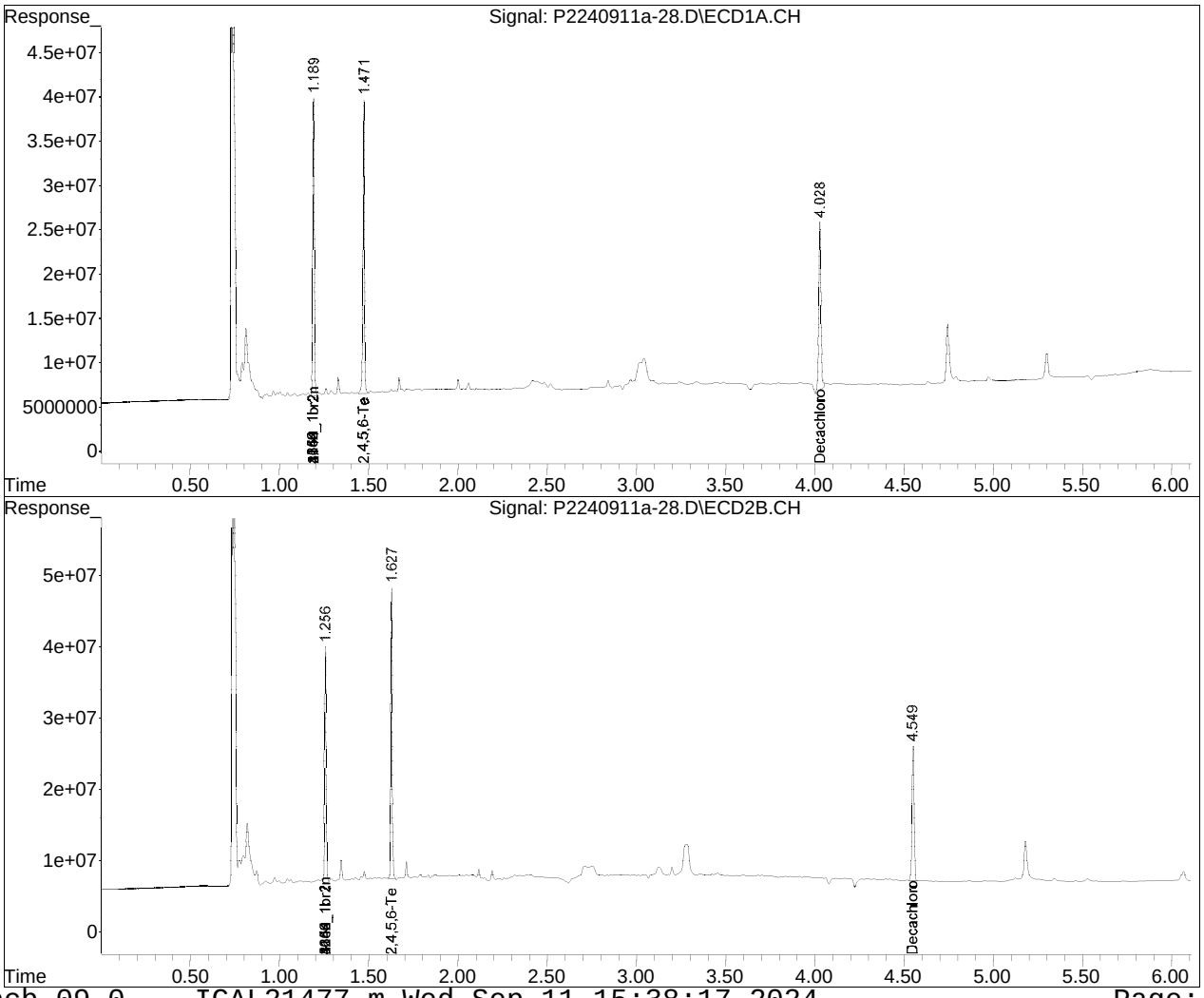
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-28.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:08
Operator : pest2:meo
Sample : L2450786-04,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:33 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

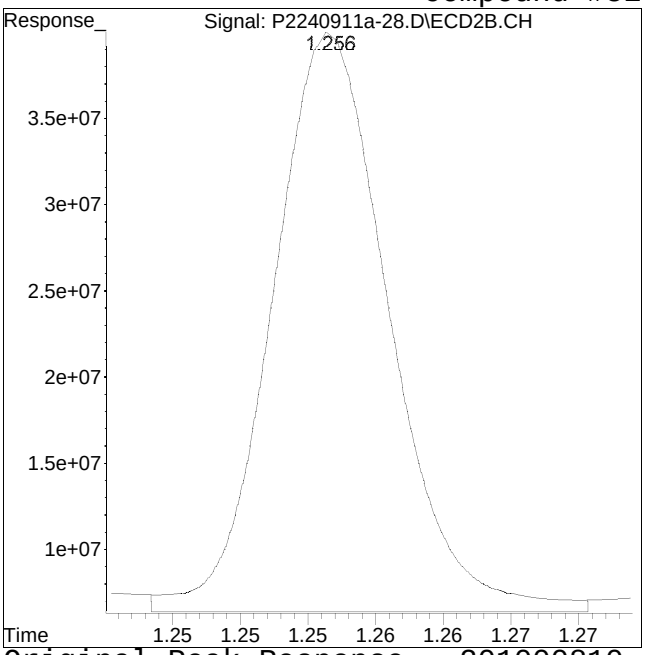
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

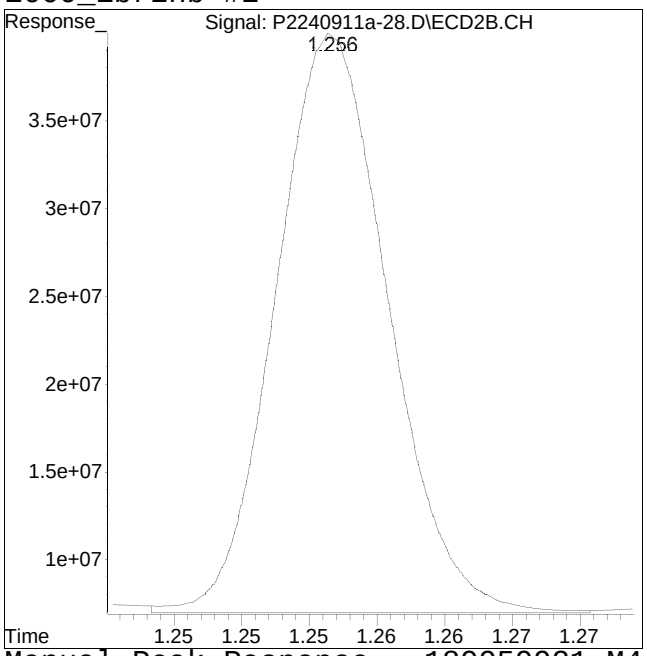


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-28.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:08 Instrument : Pest 2
Sample : L2450786-04,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



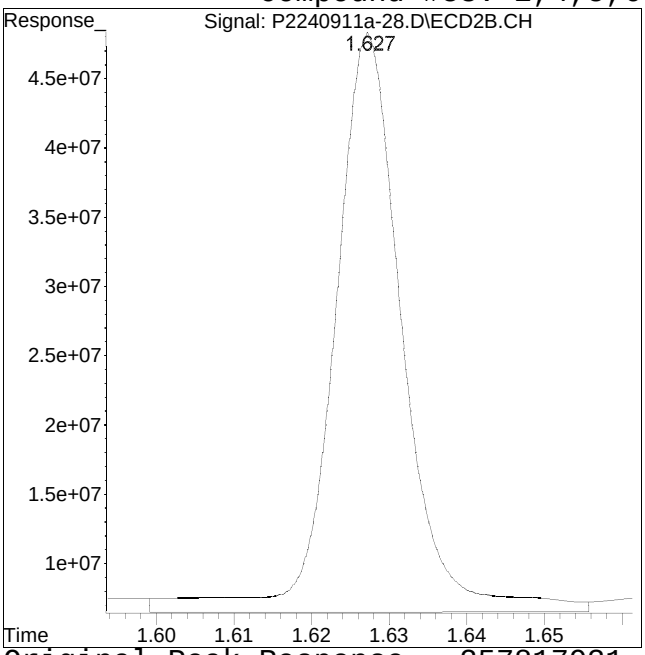


Original Peak Response = 201000810 Manual Peak Response = 189959921 M4
M4 = Poor automated baseline construction.

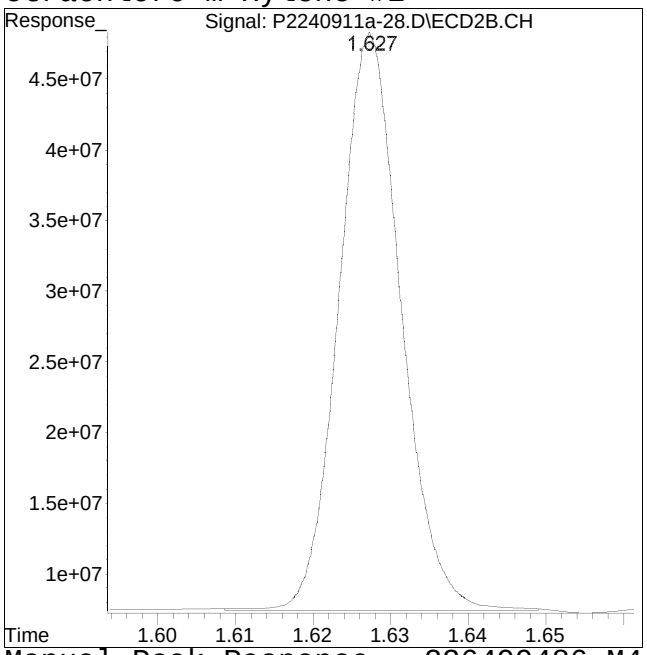
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-28.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:08 Instrument : Pest 2
Sample : L2450786-04,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 257817931



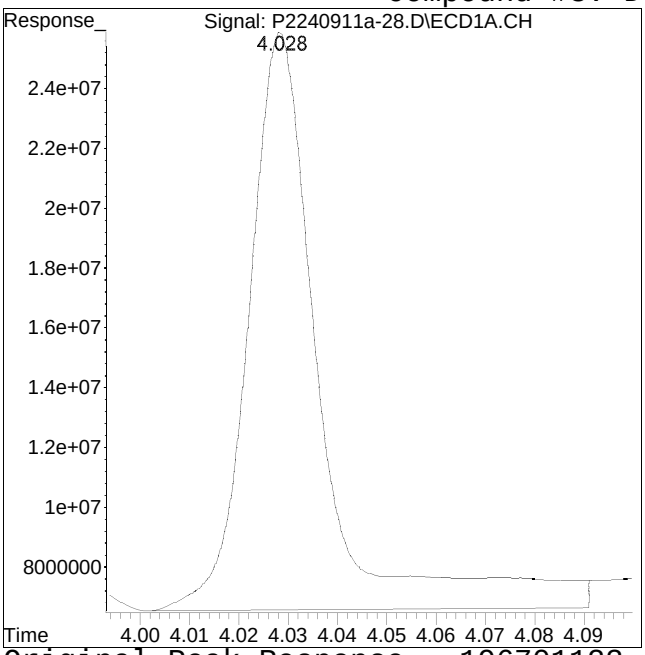
Manual Peak Response = 226499486 M4

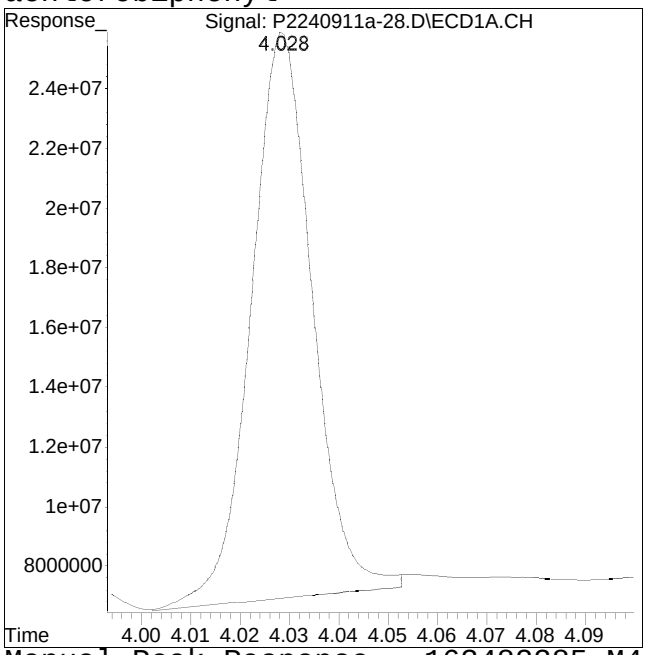
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-28.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:08 Instrument : Pest 2
Sample : L2450786-04,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



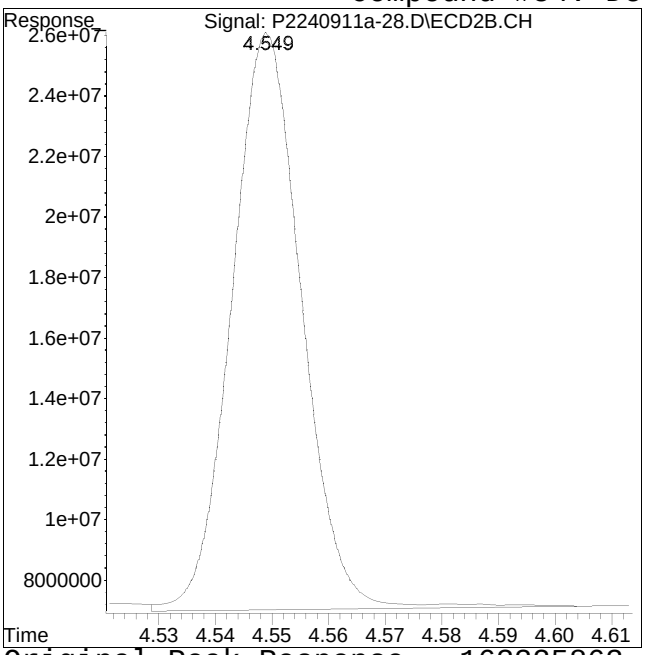


Original Peak Response = 196701123 Manual Peak Response = 163482385 M4
M4 = Poor automated baseline construction.

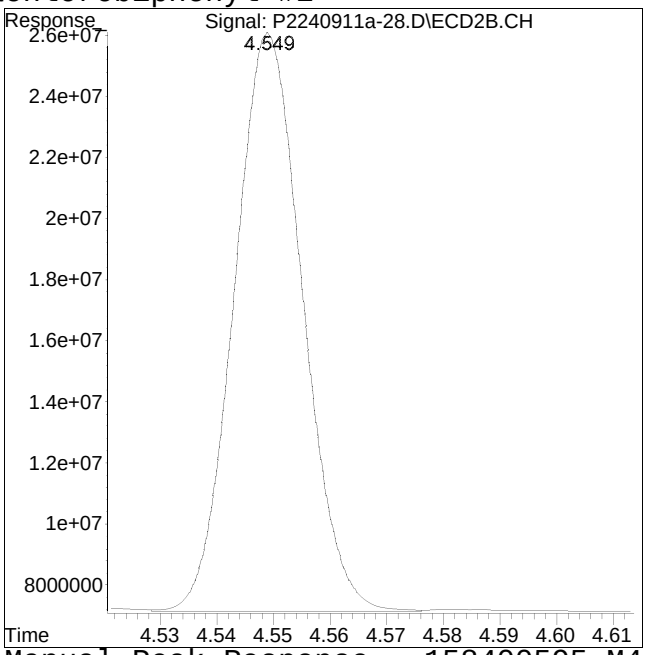
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-28.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:08 Instrument : Pest 2
Sample : L2450786-04,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 163325863



Manual Peak Response = 158400595 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:17
Operator : pest2:meo
Sample : L2450786-05,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:37 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.189	1.256	203.4E6	191.4E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery = 121.86%		
	Standard Area 1 : #2 = 154985125				Recovery = 123.48%		
14) i	2154_1br2nb	1.189	1.256	203.4E6	191.4E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.189	1.256	203.4E6	191.4E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.189	1.256	203.4E6	191.4E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.189	1.256	203.4E6	191.4E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	206.6E6	244.6E6	13.346M4	15.115M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 66.73%		75.58%
3) s	Decachlorobi	4.028	4.548	170.8E6	166.3E6	14.874M4	16.409M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 74.37%		82.04%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:17
Operator : pest2:meo
Sample : L2450786-05,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:37 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:17
Operator : pest2:meo
Sample : L2450786-05,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:37 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:17
Operator : pest2:meo
Sample : L2450786-05,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:37 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

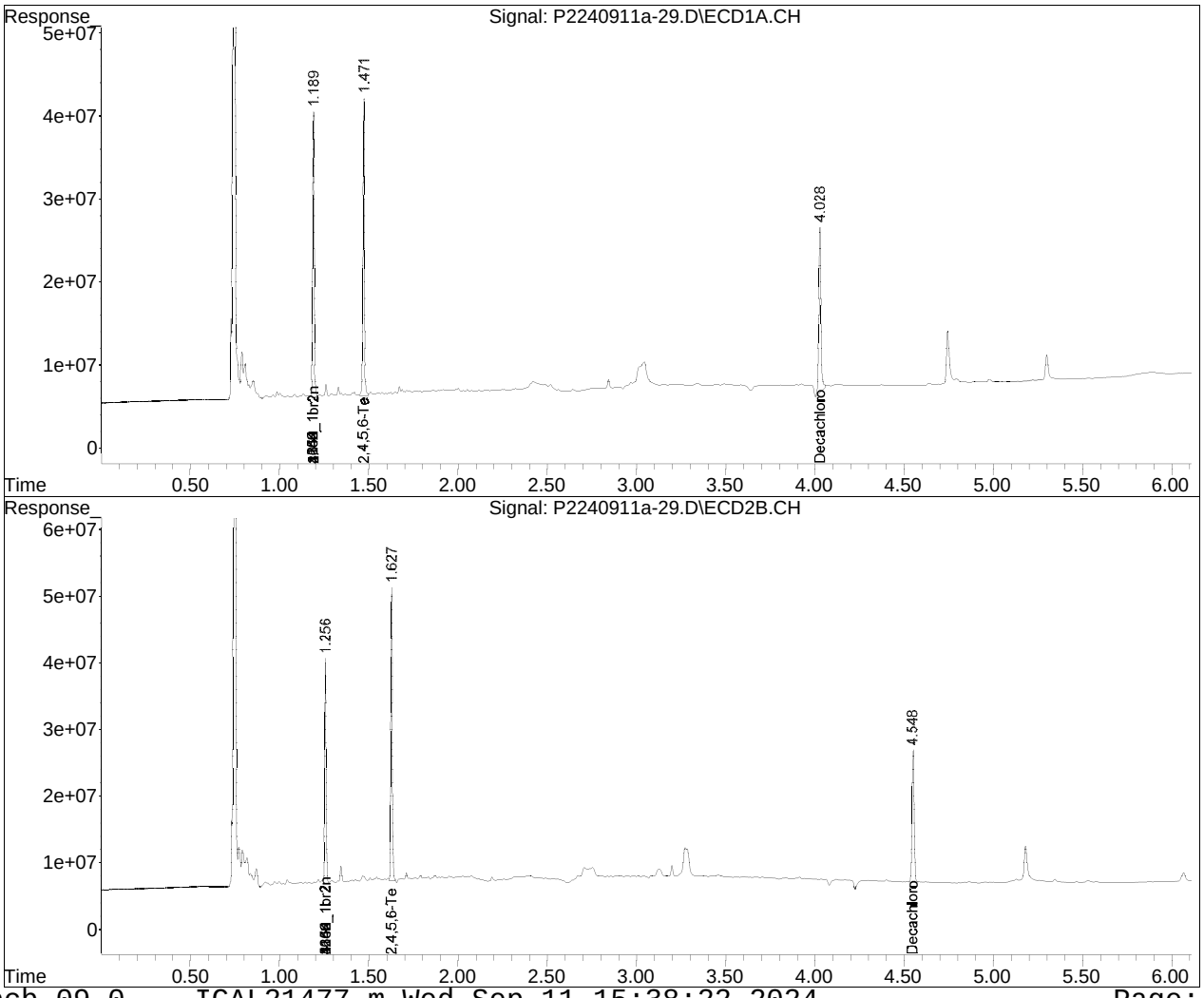
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-29.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:17
Operator : pest2:meo
Sample : L2450786-05,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:37 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

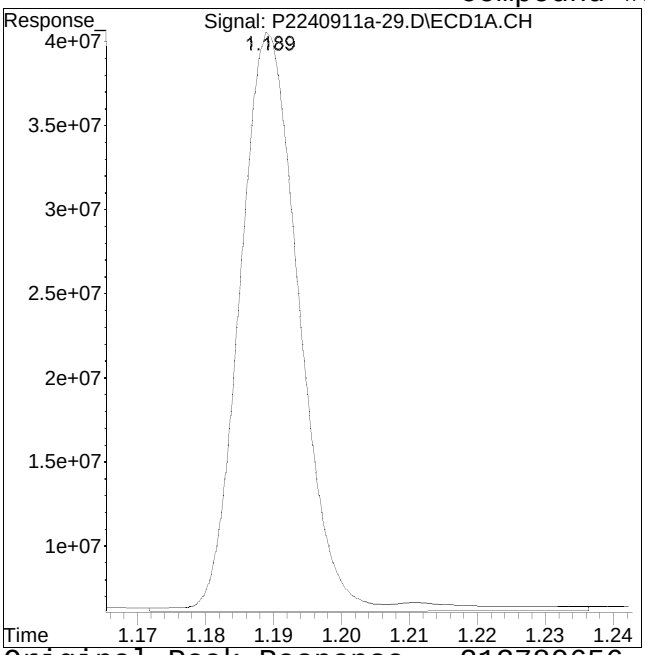
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

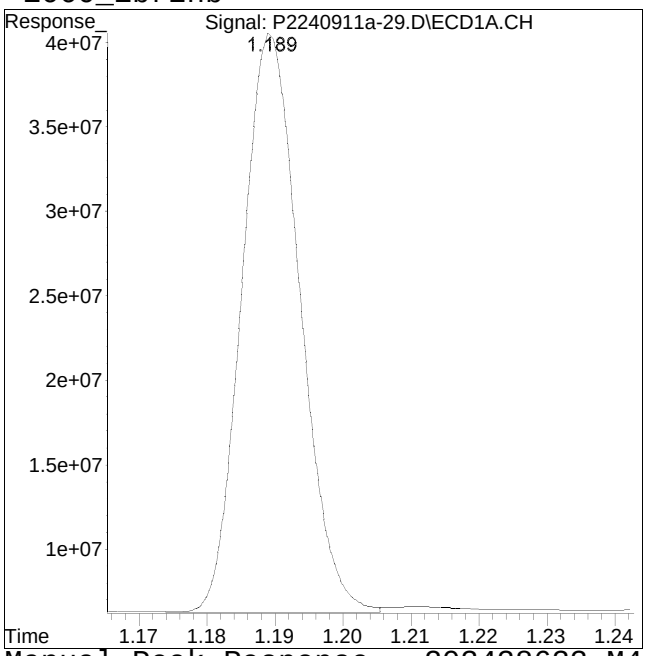


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #1: 1660_1br2nb



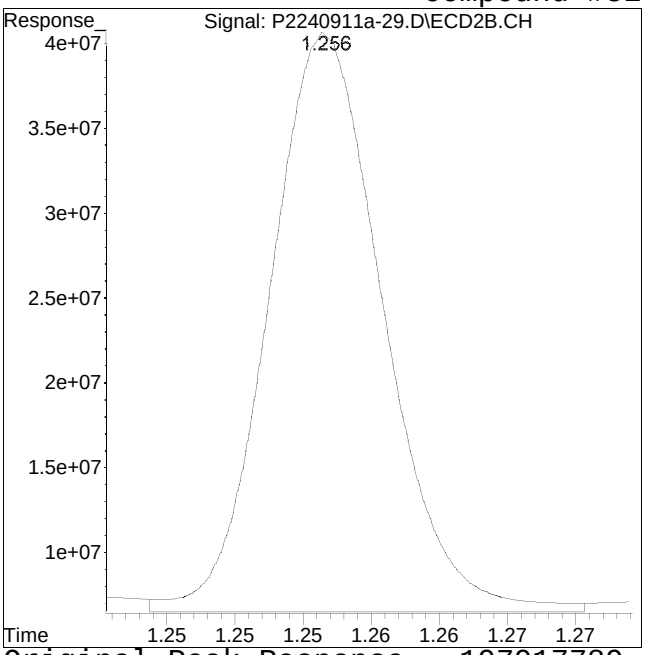


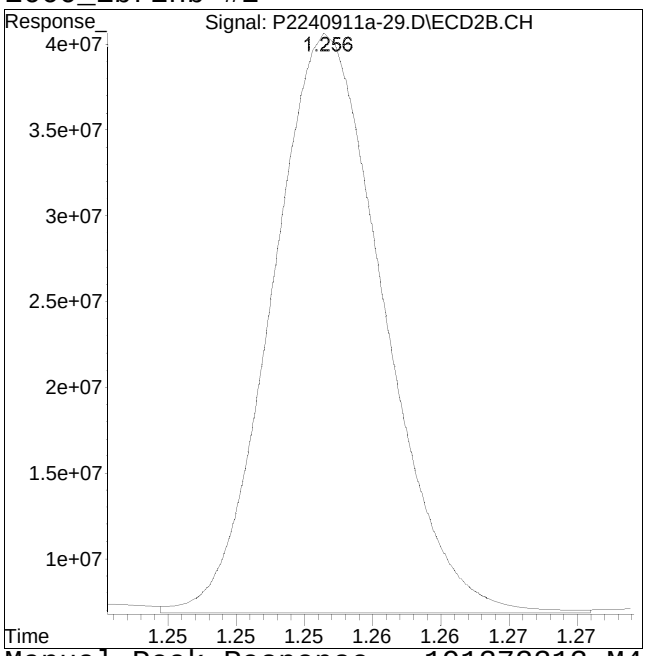
Original Peak Response = 213780656 Manual Peak Response = 203438633 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



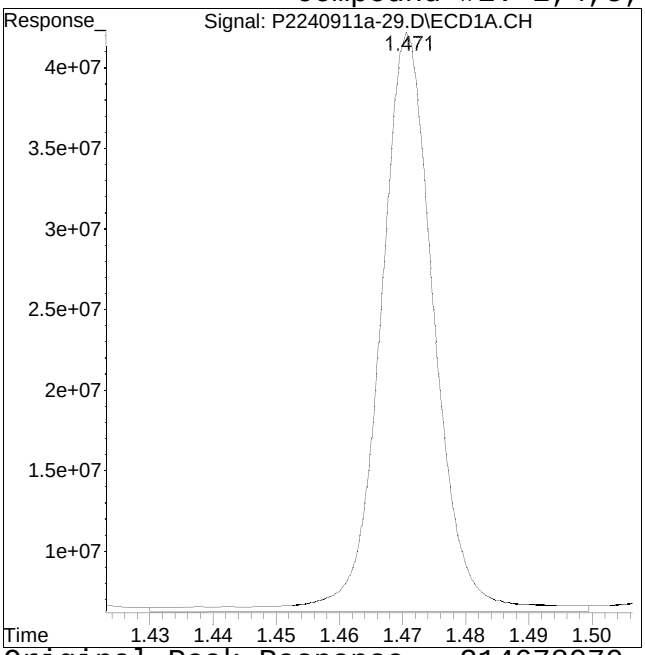


Original Peak Response = 197917789 Manual Peak Response = 191373313 M4
M4 = Poor automated baseline construction.

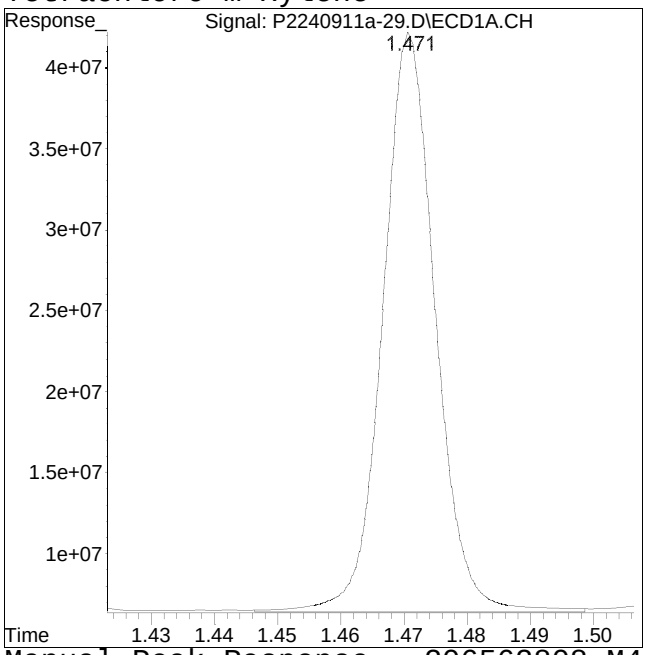
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 214678970



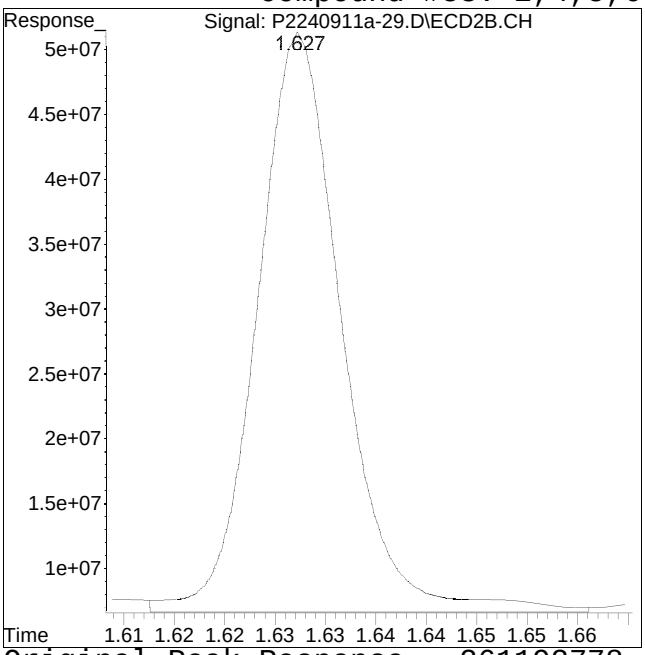
Manual Peak Response = 206562808 M4

M4 = Poor automated baseline construction.

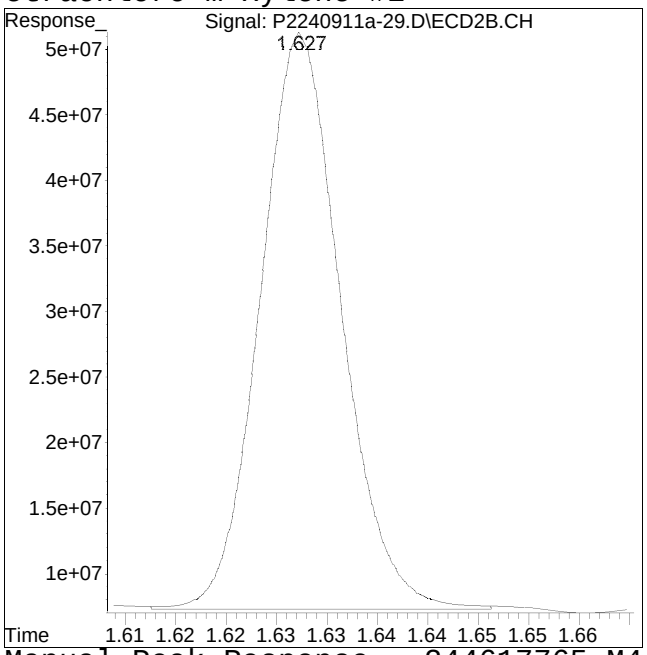
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 261192778



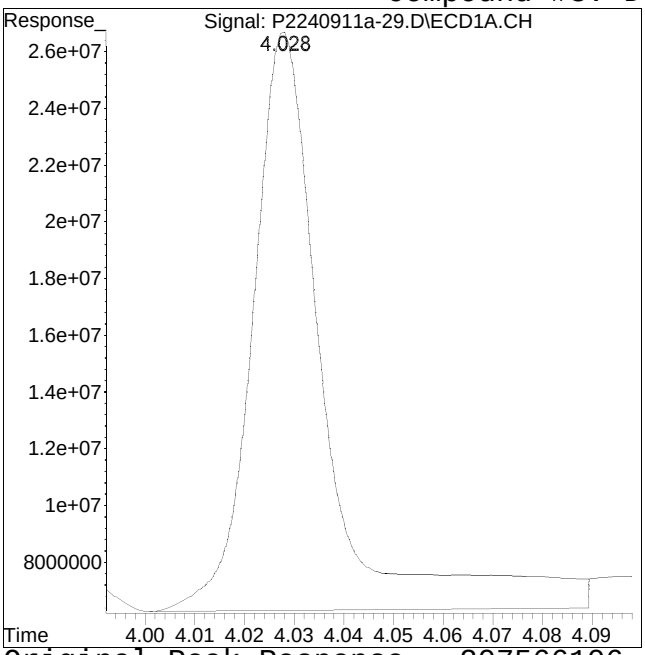
Manual Peak Response = 244617765 M4

M4 = Poor automated baseline construction.

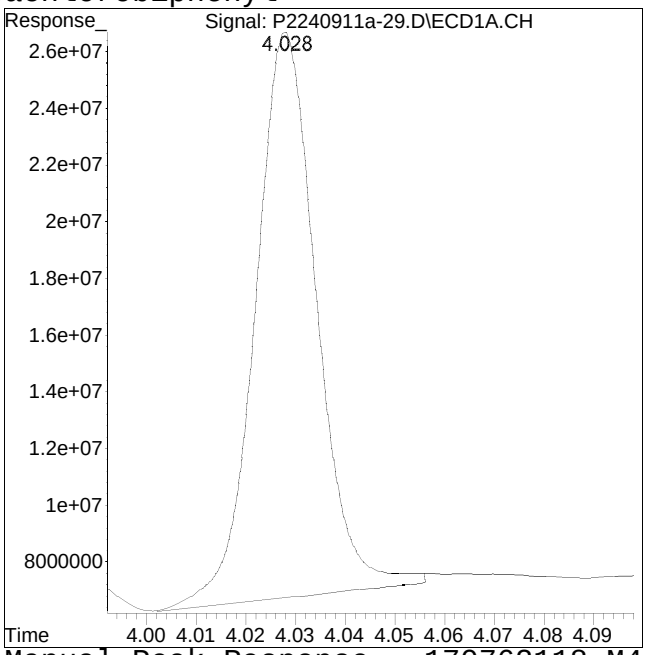
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 207566106



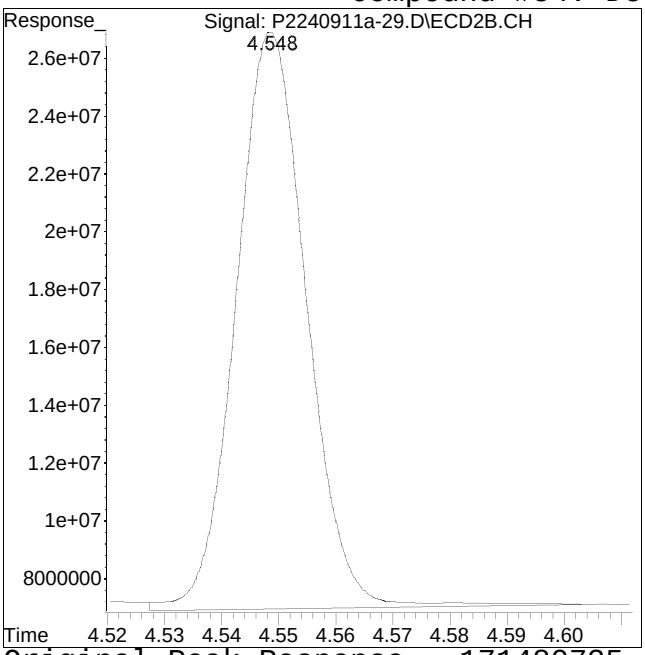
Manual Peak Response = 170762118 M4

M4 = Poor automated baseline construction.

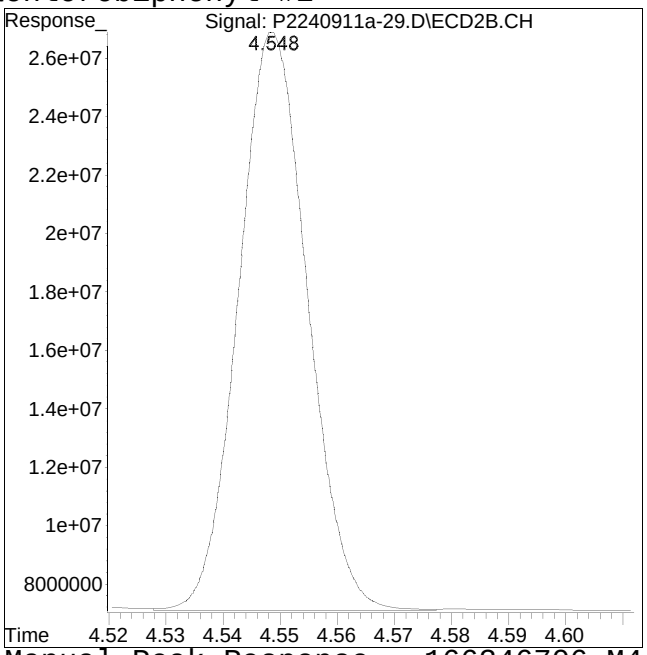
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-29.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:17 Instrument : Pest 2
Sample : L2450786-05,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 171480735



Manual Peak Response = 166346706 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-30.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:26
Operator : pest2:meo
Sample : L2450786-06,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:40 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.257	203.1E6	189.3E6	25.000	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery =	121.63%	
	Standard Area 1 : #2 = 154985125				Recovery =	122.12%	
14) i	2154_1br2nb	1.190	1.257	203.1E6	189.3E6	25.000	25.000M4
23) i	4268_1br2nb	1.190	1.257	203.1E6	189.3E6	25.000	25.000M4
34) i	1248_1br2nb	1.190	1.257	203.1E6	189.3E6	25.000	25.000M4
40) i	3262_1br2nb	1.190	1.257	203.1E6	189.3E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	197.6E6	221.4E6	12.793	13.832M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	63.96%	69.16%
3) s	Decachlorobi	4.028	4.549	162.6E6	152.4E6	14.193M4	15.201M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	70.97%	76.00%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-30.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:26
Operator : pest2:meo
Sample : L2450786-06,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:40 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-30.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:26
Operator : pest2:meo
Sample : L2450786-06,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:40 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-30.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:26
Operator : pest2:meo
Sample : L2450786-06,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:40 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

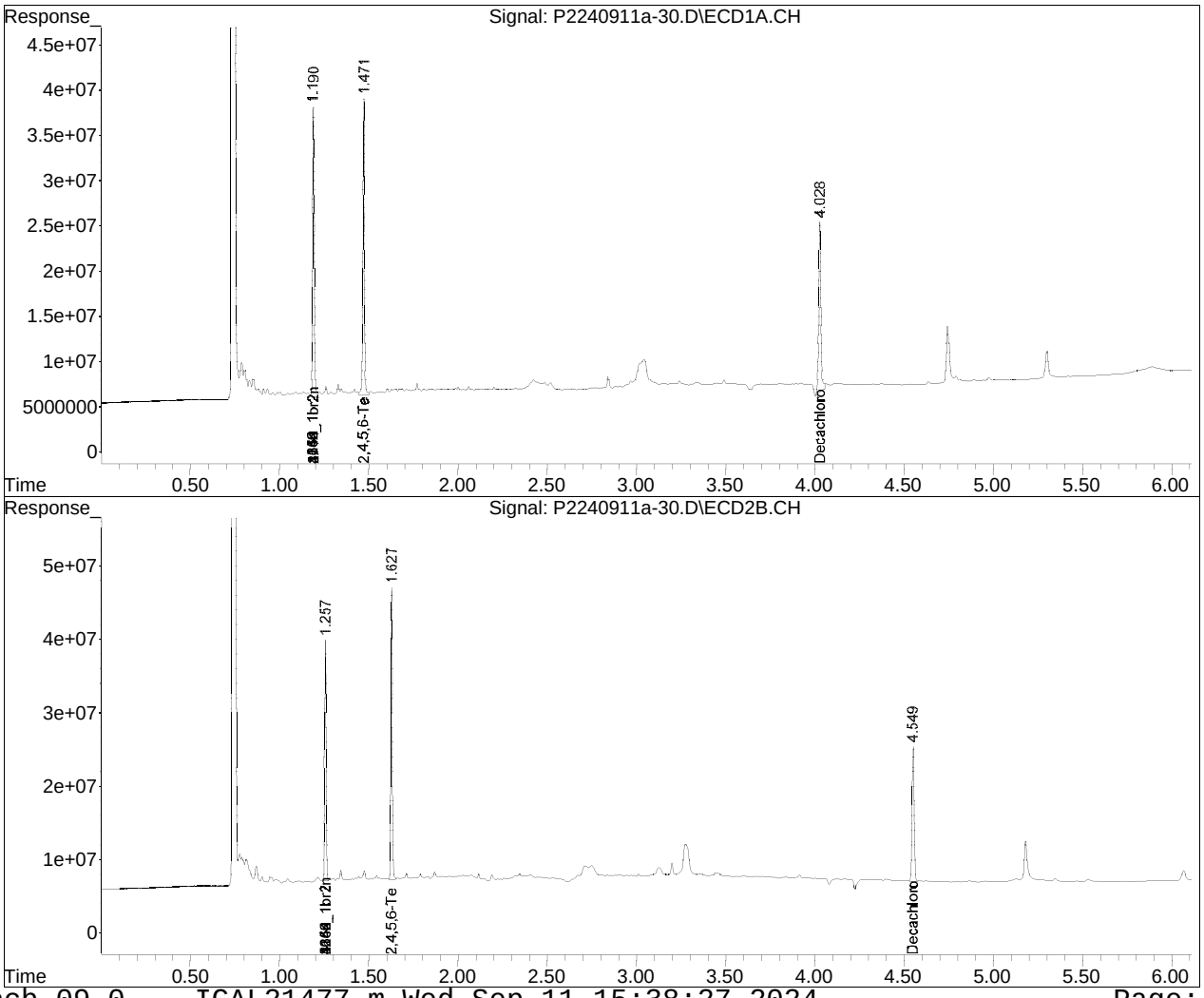
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-30.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:26
Operator : pest2:meo
Sample : L2450786-06,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:40 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

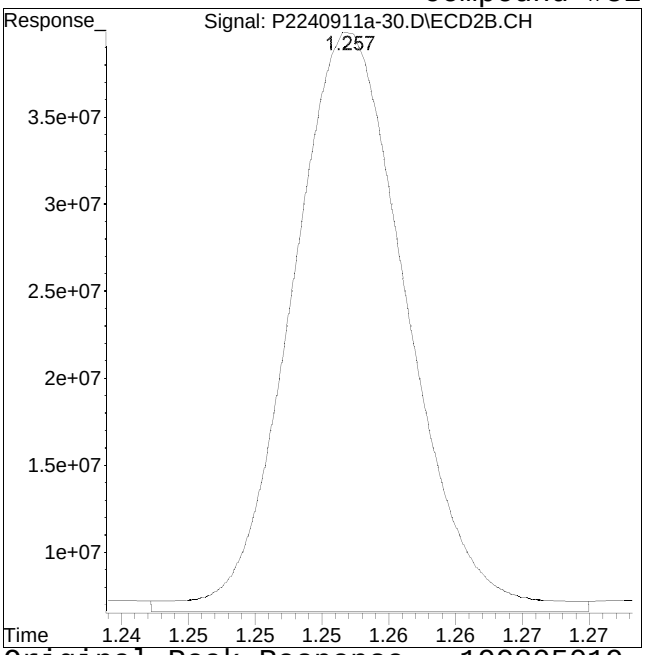
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

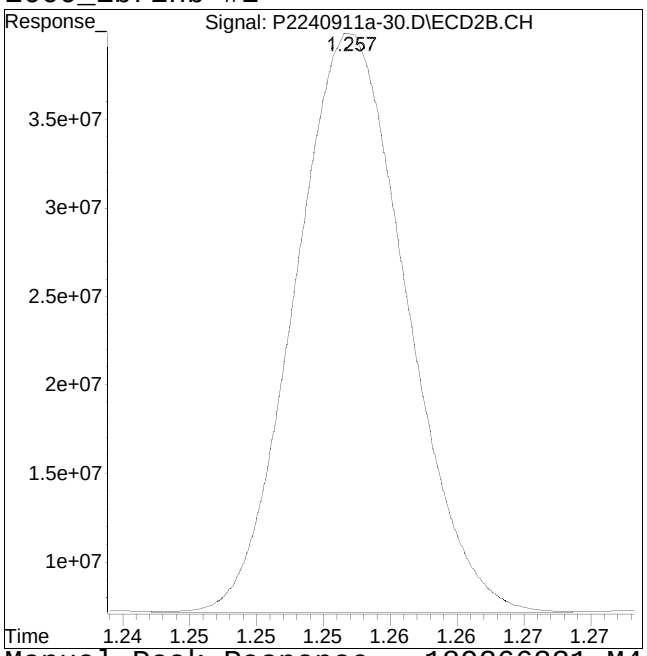


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-30.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:26 Instrument : Pest 2
Sample : L2450786-06,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



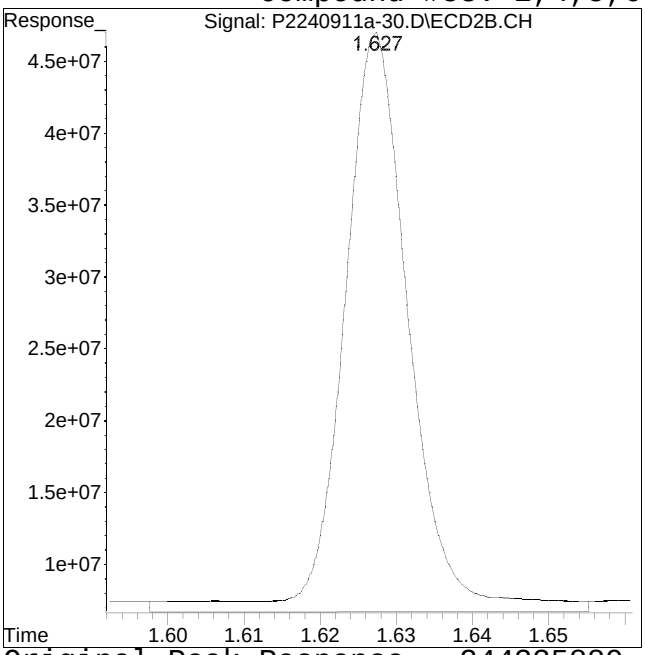


Original Peak Response = 199805019 Manual Peak Response = 189266331 M4
M4 = Poor automated baseline construction.

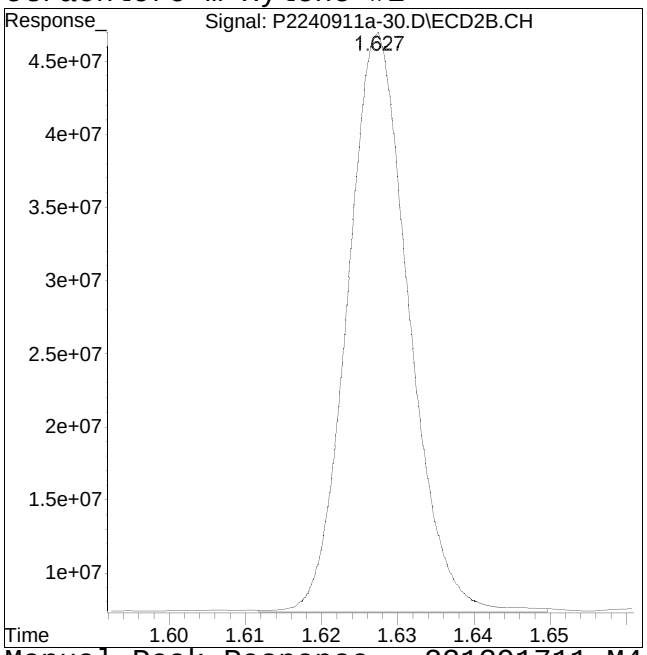
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-30.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:26 Instrument : Pest 2
Sample : L2450786-06,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 244335889



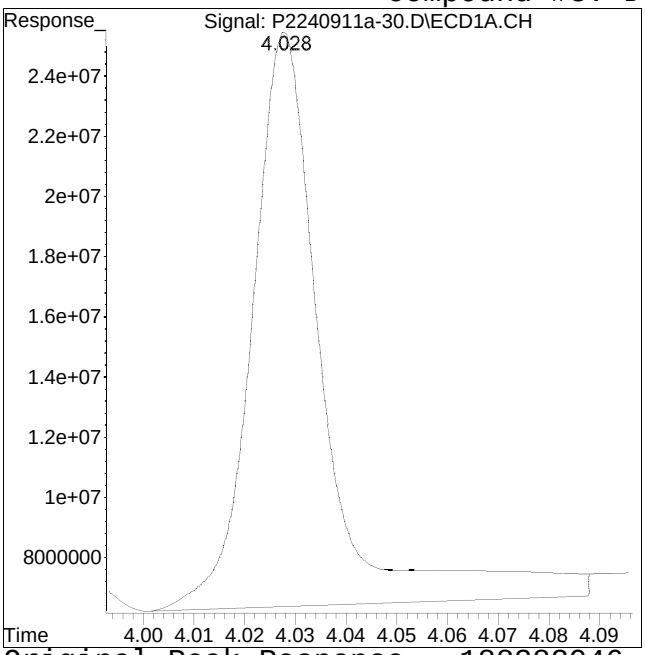
Manual Peak Response = 221391711 M4

M4 = Poor automated baseline construction.

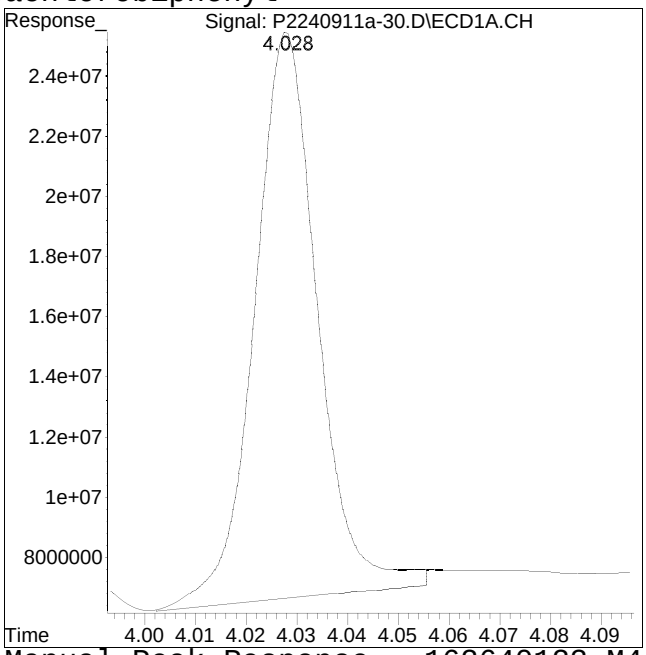
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-30.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:26 Instrument : Pest 2
Sample : L2450786-06,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 188382946



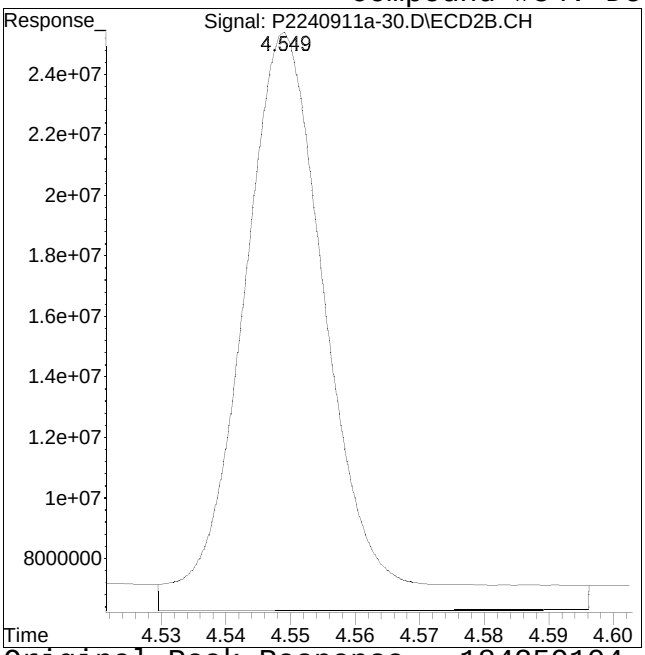
Manual Peak Response = 162640123 M4

M4 = Poor automated baseline construction.

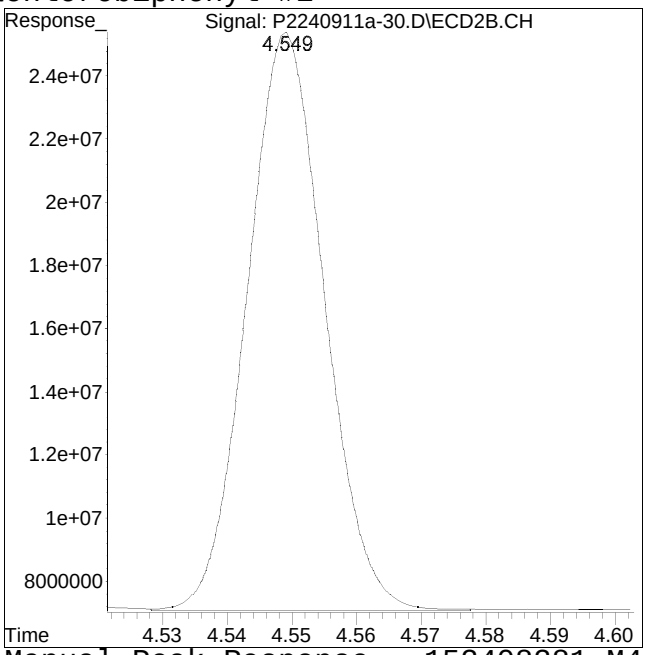
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-30.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:26 Instrument : Pest 2
Sample : L2450786-06,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 184259104



Manual Peak Response = 152408381 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-31.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:36
Operator : pest2:meo
Sample : L2450786-07,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:43 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.257	207.1E6	212.4E6	25.000	25.000
	Standard Area 1 : #1 = 166941545				Recovery =	124.04%	
	Standard Area 1 : #2 = 154985125				Recovery =	137.04%	
14) i	2154_1br2nb	1.190	1.257	207.1E6	212.4E6	25.000	25.000
23) i	4268_1br2nb	1.190	1.257	207.1E6	212.4E6	25.000	25.000
34) i	1248_1br2nb	1.190	1.257	207.1E6	212.4E6	25.000	25.000
40) i	3262_1br2nb	1.190	1.257	207.1E6	212.4E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	206.0E6	236.2E6	13.077	13.152M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	65.39%	65.76%
3) s	Decachlorobi	4.028	4.549	167.8E6	164.3E6	14.355M4	14.603M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	71.78%	73.02%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-31.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:36
Operator : pest2:meo
Sample : L2450786-07,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:43 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-31.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:36
Operator : pest2:meo
Sample : L2450786-07,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:43 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-31.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:36
Operator : pest2:meo
Sample : L2450786-07,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:43 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

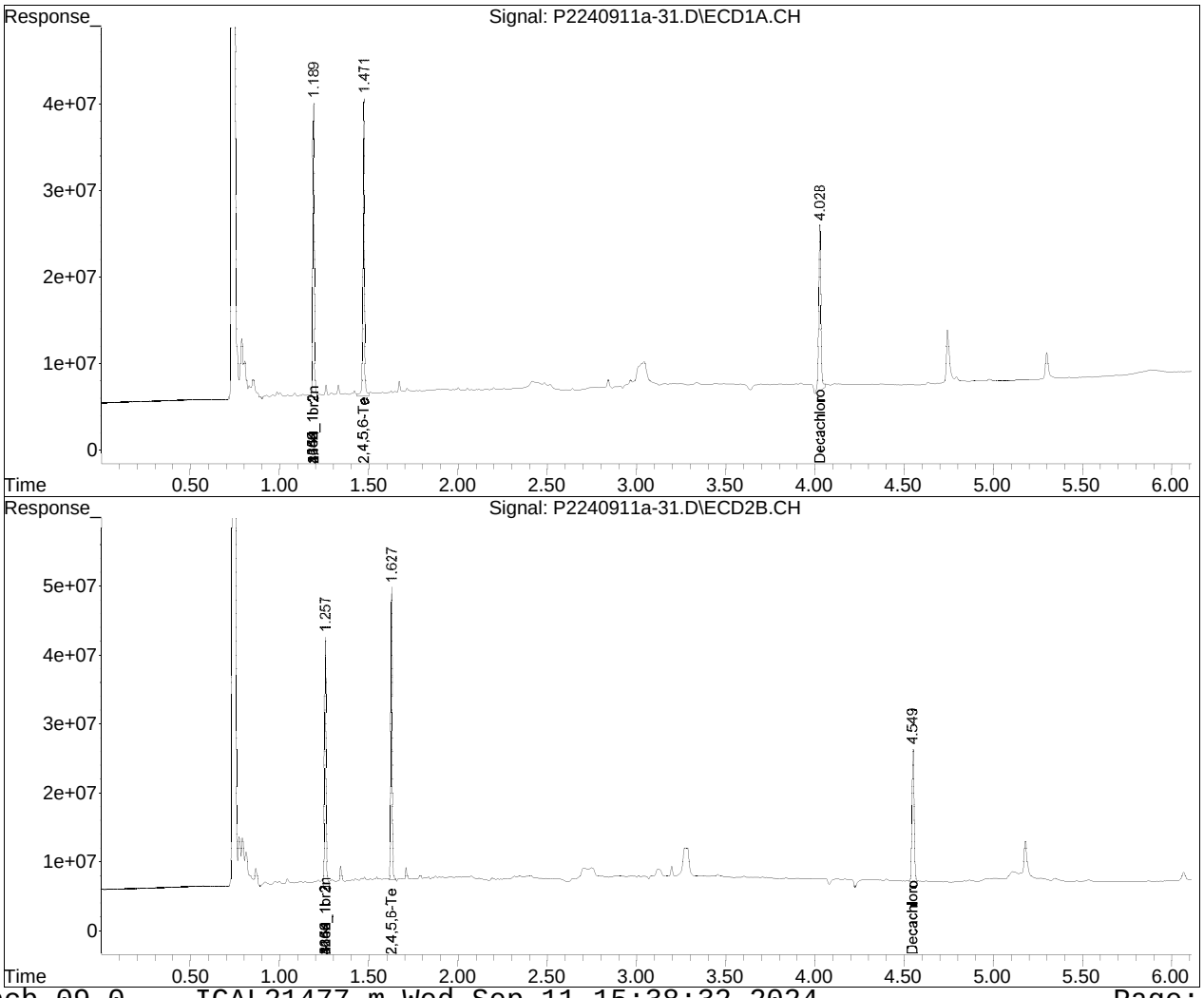
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-31.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:36
Operator : pest2:meo
Sample : L2450786-07,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:43 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

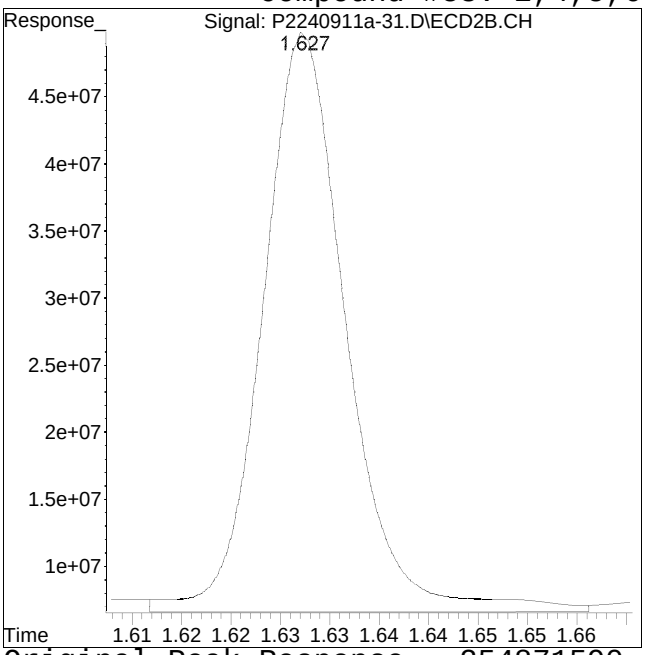
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



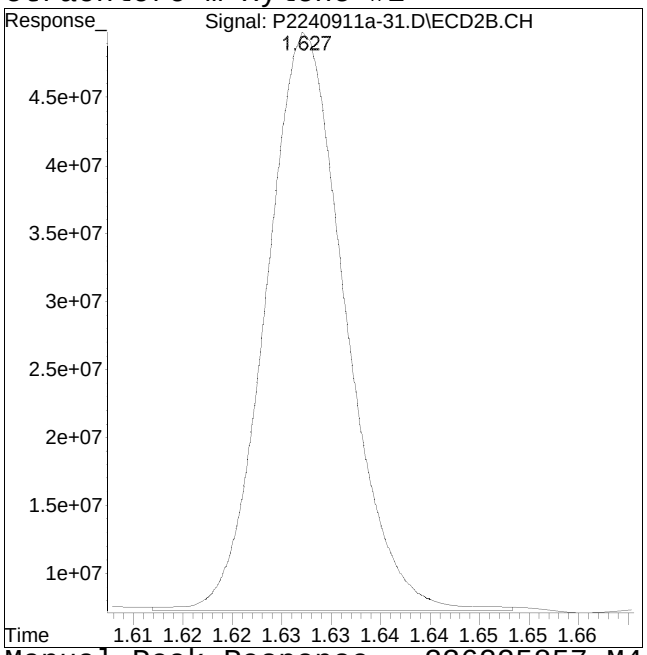
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-31.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:36 Instrument : Pest 2
Sample : L2450786-07,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 254871590



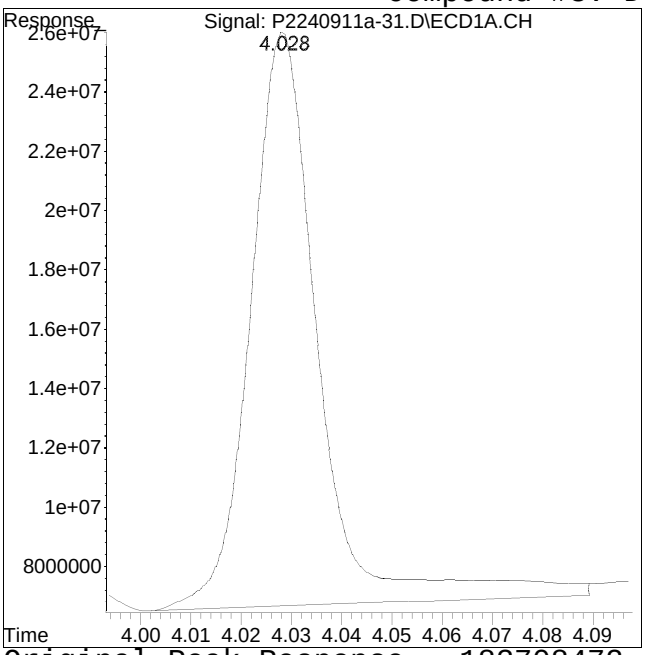
Manual Peak Response = 236225857 M4

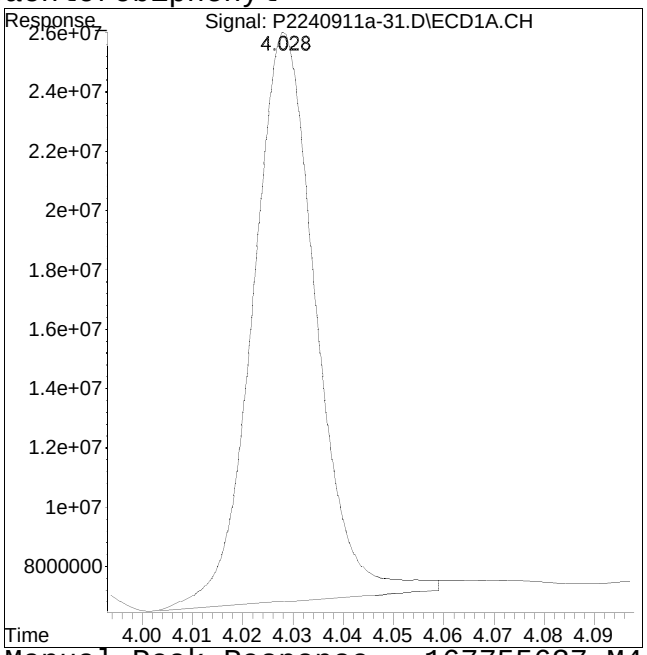
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-31.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:36 Instrument : Pest 2
Sample : L2450786-07,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



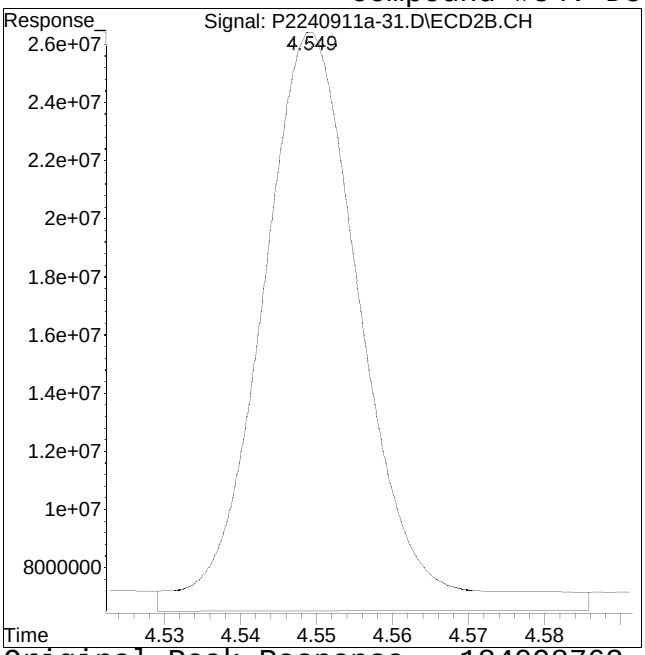


Original Peak Response = 183708472 Manual Peak Response = 167755637 M4
M4 = Poor automated baseline construction.

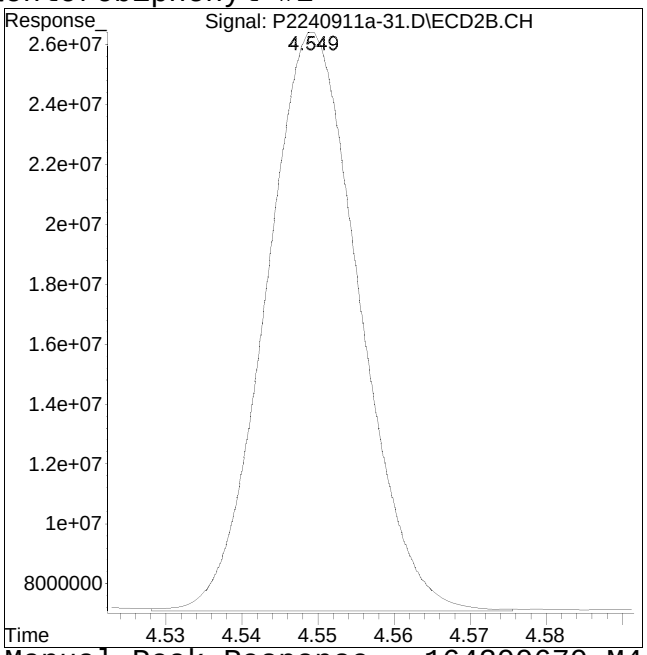
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-31.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:36 Instrument : Pest 2
Sample : L2450786-07,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 184098763



Manual Peak Response = 164300670 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:45
Operator : pest2:meo
Sample : L2450786-08,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:46 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.257	211.2E6	210.1E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery = 126.49%		
	Standard Area 1 : #2 = 154985125				Recovery = 135.54%		
14) i	2154_1br2nb	1.190	1.257	211.2E6	210.1E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.190	1.257	211.2E6	210.1E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.190	1.257	211.2E6	210.1E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.190	1.257	211.2E6	210.1E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.471	1.627	202.4E6	235.5E6	12.597M4	13.259M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 62.98%		66.30%
3) s	Decachlorobi	4.028	4.549	169.3E6	160.3E6	14.205M4	14.405M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 71.03%		72.02%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:45
Operator : pest2:meo
Sample : L2450786-08,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:46 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:45
Operator : pest2:meo
Sample : L2450786-08,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:46 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:45
Operator : pest2:meo
Sample : L2450786-08,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:46 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

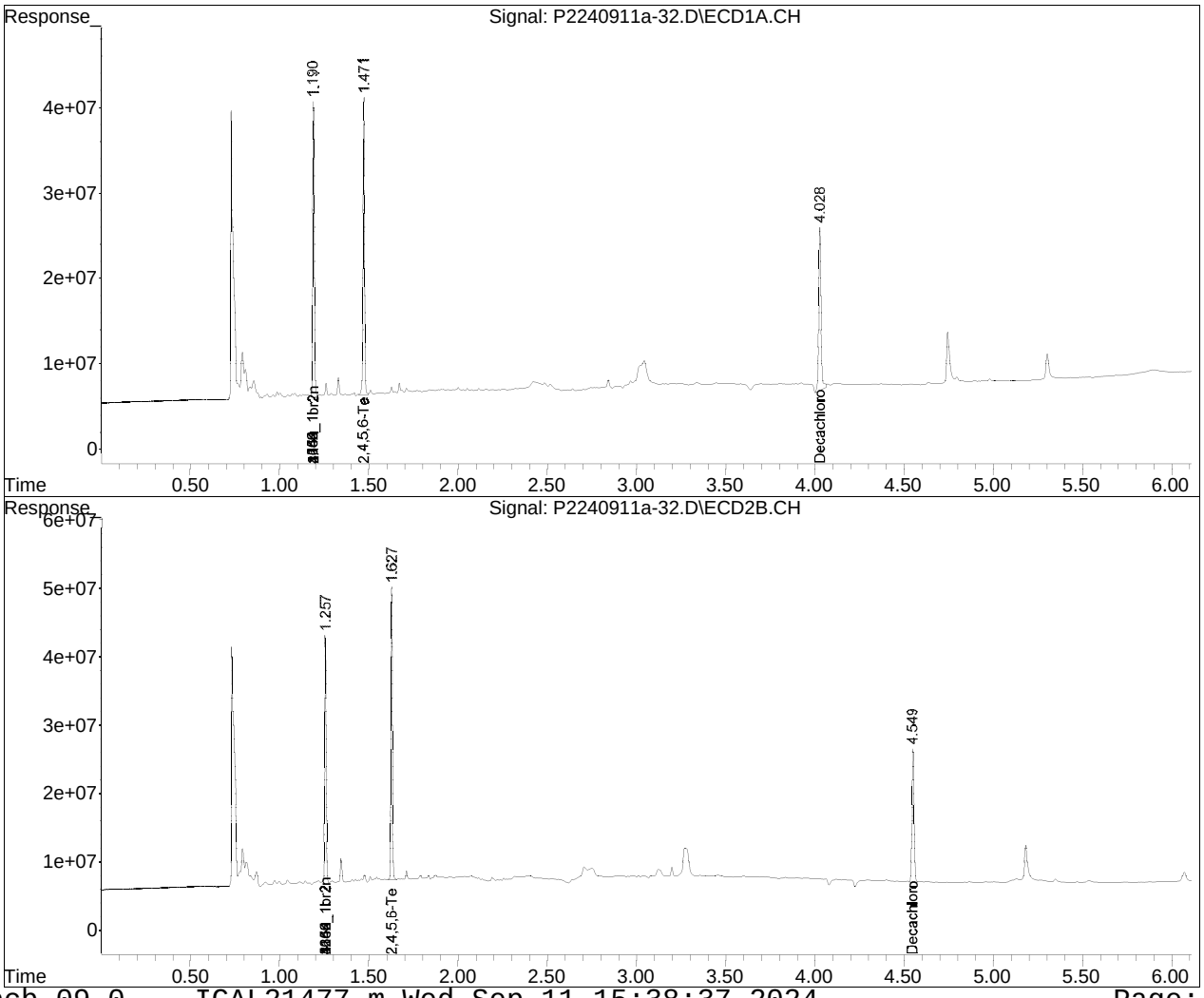
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-32.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:45
Operator : pest2:meo
Sample : L2450786-08,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:46 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

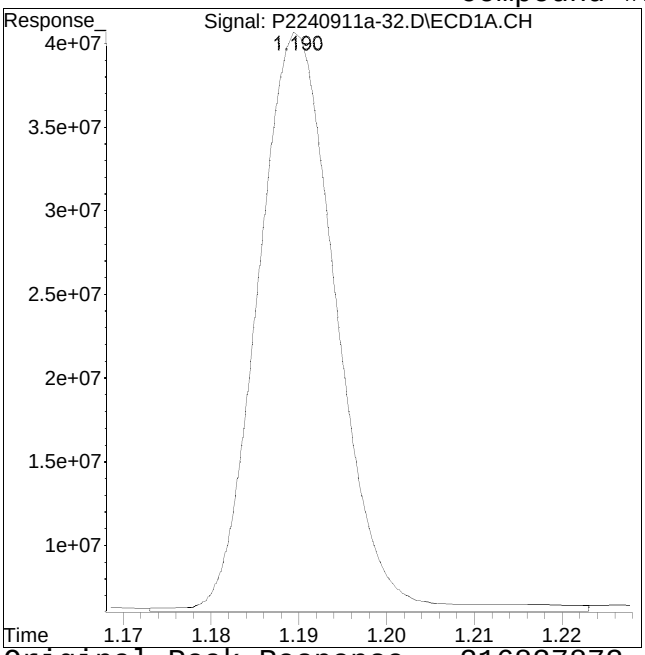
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

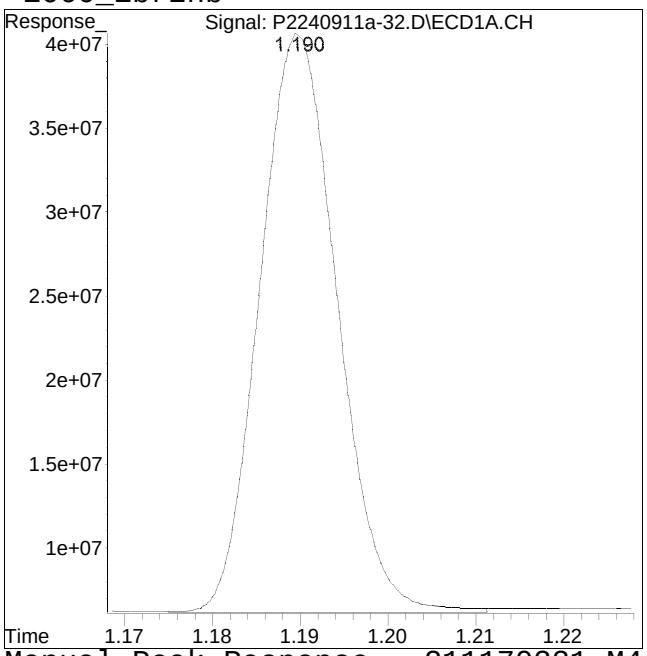


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #1: 1660_1br2nb



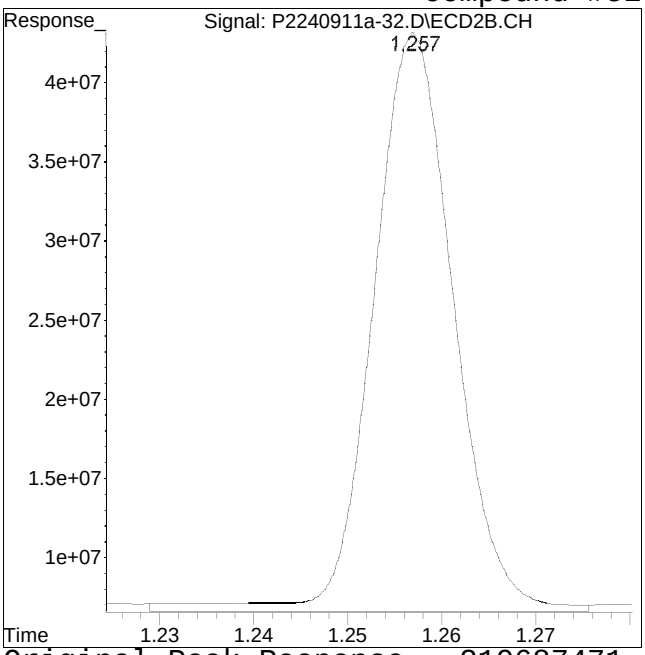


Original Peak Response = 216837873 Manual Peak Response = 211170221 M4
M4 = Poor automated baseline construction.

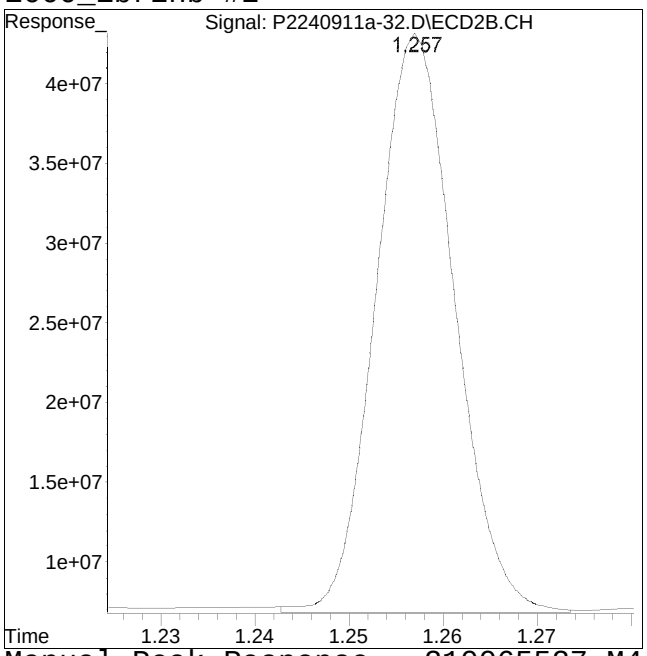
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 219687471



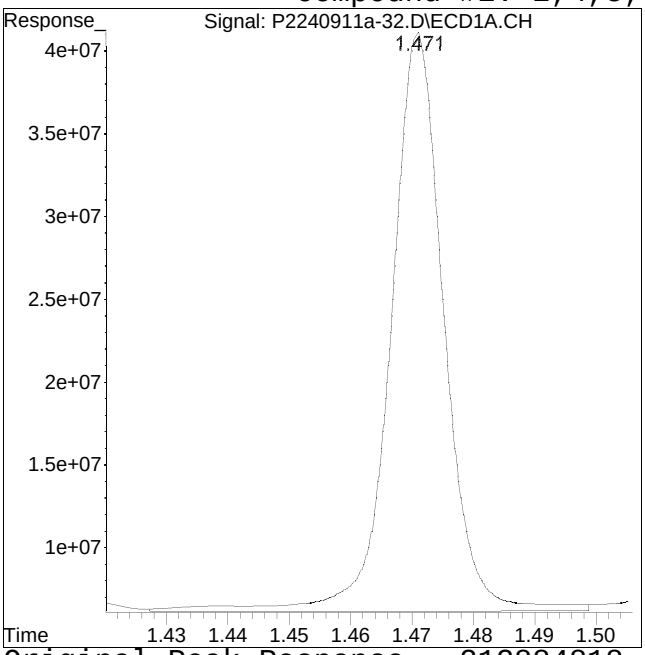
Manual Peak Response = 210065527 M4

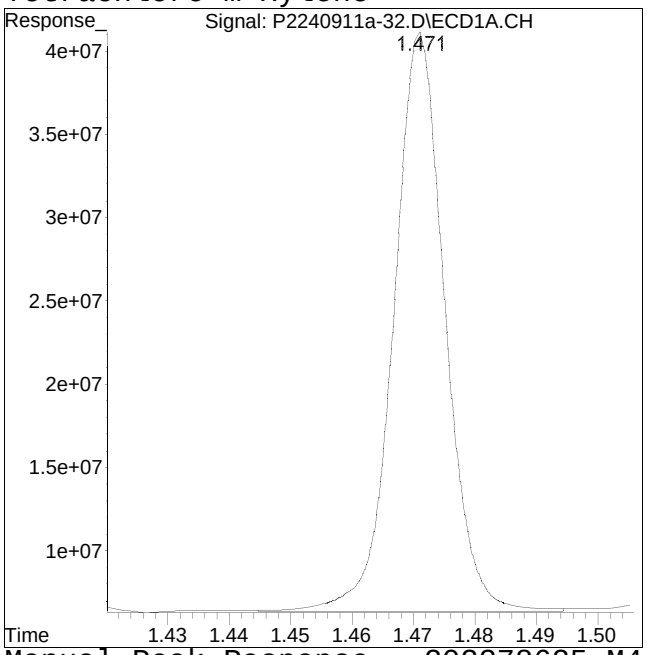
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



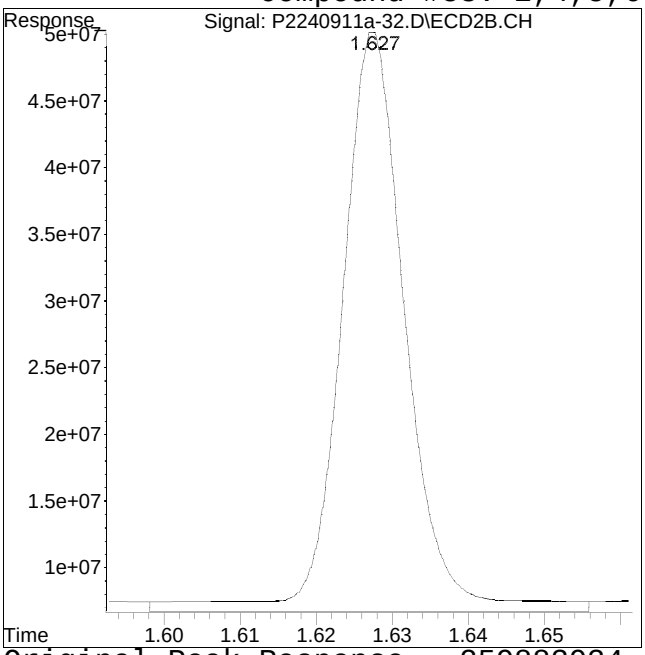


Original Peak Response = 212884818 Manual Peak Response = 202378625 M4
M4 = Poor automated baseline construction.

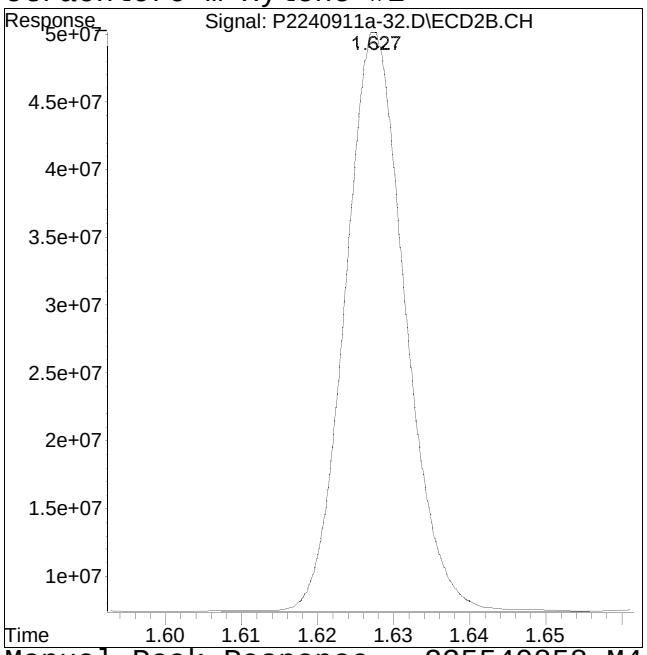
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 259883934



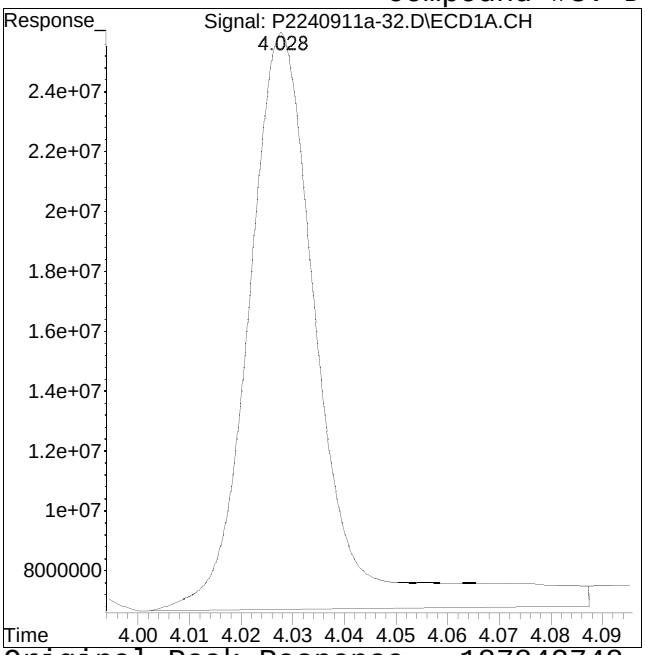
Manual Peak Response = 235540858 M4

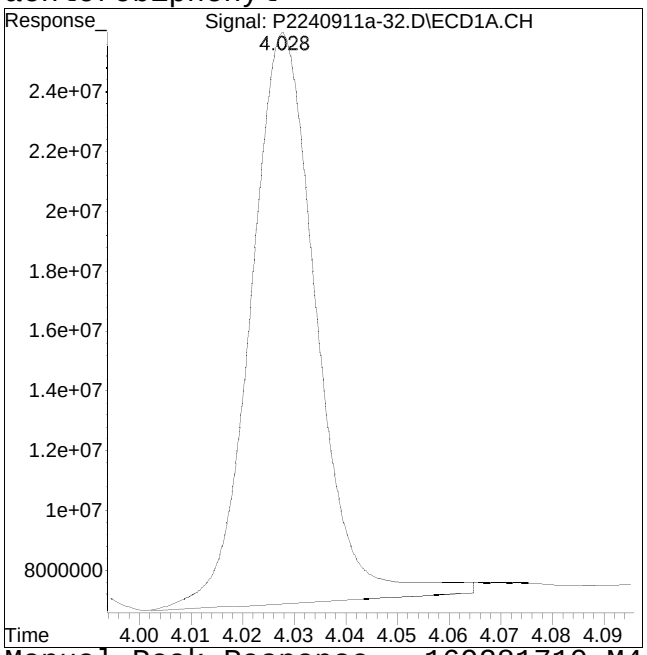
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



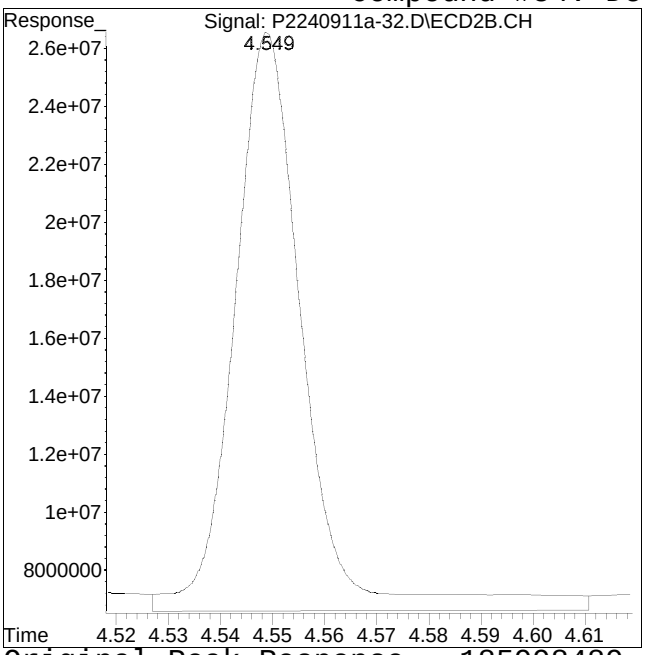


Original Peak Response = 187842748 Manual Peak Response = 169281710 M4
M4 = Poor automated baseline construction.

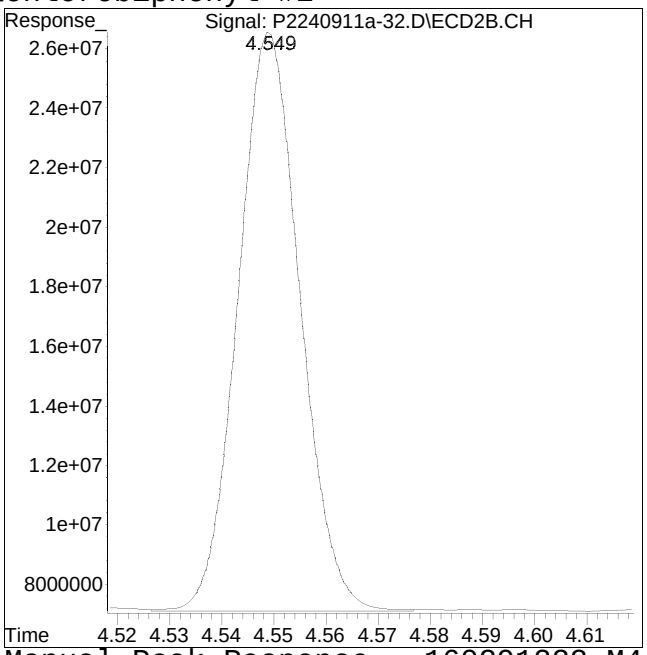
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-32.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:45 Instrument : Pest 2
Sample : L2450786-08,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 185998489



Manual Peak Response = 160291222 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:55
Operator : pest2:meo
Sample : L2450786-09,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:49 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.191	1.257	199.0E6	196.9E6	25.000	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery =	119.19%	
	Standard Area 1 : #2 = 154985125				Recovery =	127.03%	
14) i	2154_1br2nb	1.191	1.257	199.0E6	196.9E6	25.000	25.000M4
23) i	4268_1br2nb	1.191	1.257	199.0E6	196.9E6	25.000	25.000M4
34) i	1248_1br2nb	1.191	1.257	199.0E6	196.9E6	25.000	25.000M4
40) i	3262_1br2nb	1.191	1.257	199.0E6	196.9E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.472	1.628	210.9E6	242.7E6	13.933	14.580M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	69.66%	72.90%
3) s	Decachlorobi	4.028	4.549	168.2E6	165.7E6	14.975M4	15.892M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	74.88%	79.46%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:55
Operator : pest2:meo
Sample : L2450786-09,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:49 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:55
Operator : pest2:meo
Sample : L2450786-09,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:49 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:55
Operator : pest2:meo
Sample : L2450786-09,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:49 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

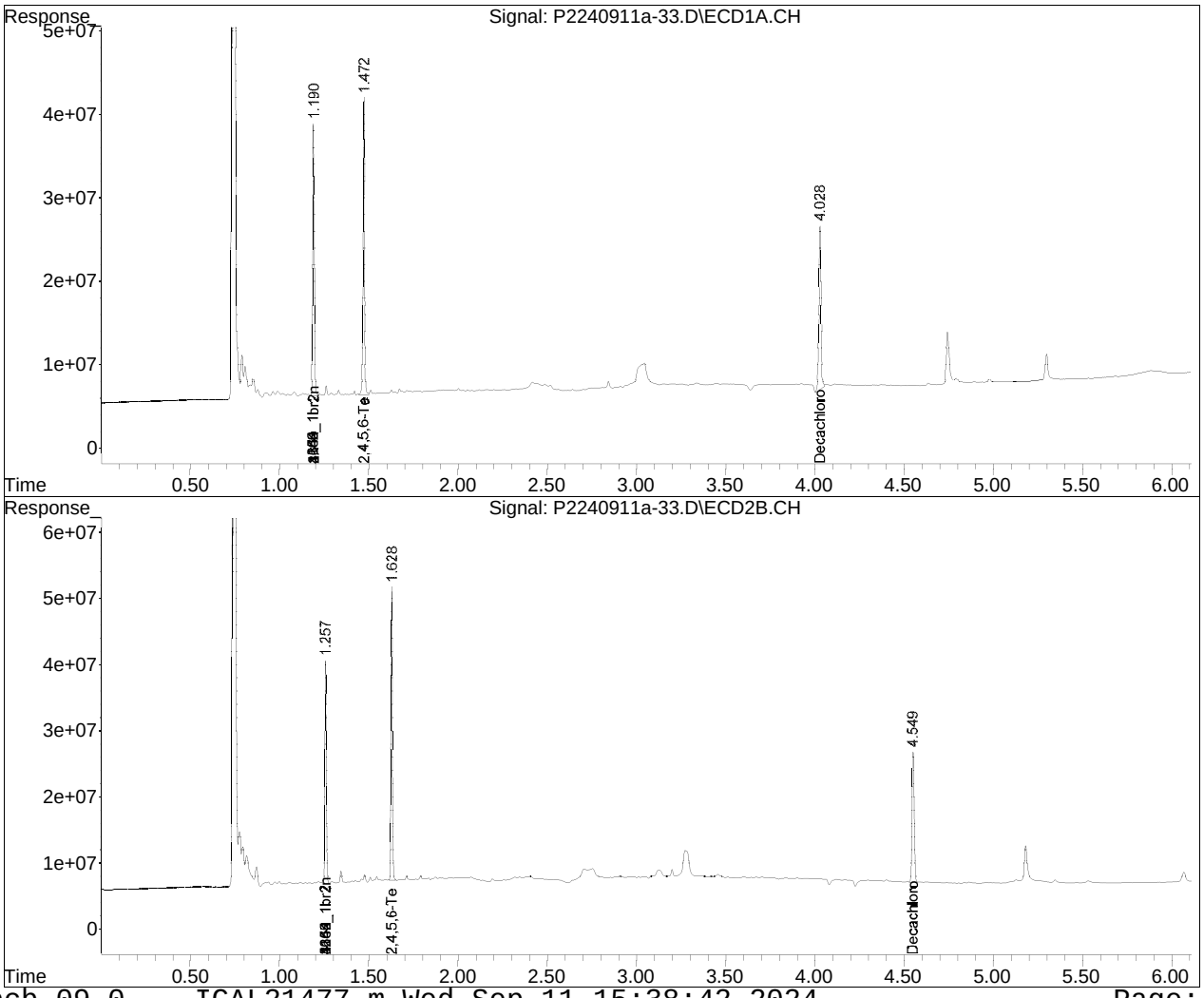
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-33.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 13:55
Operator : pest2:meo
Sample : L2450786-09,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:49 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

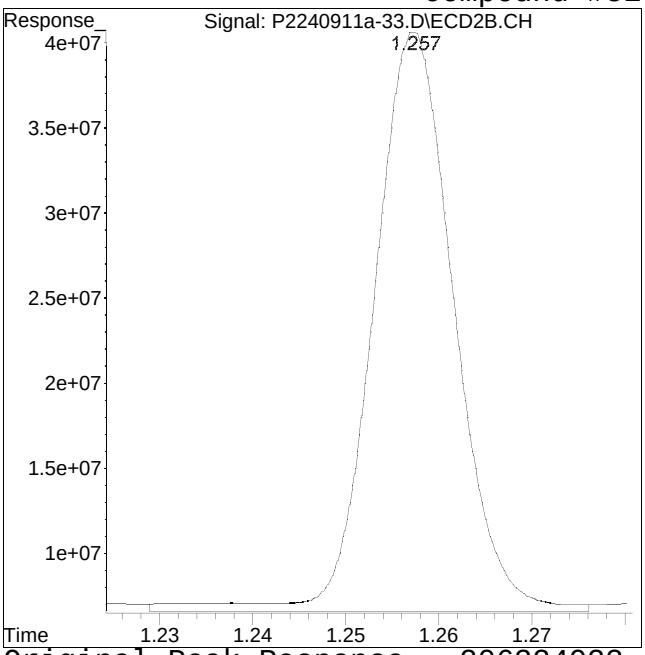
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

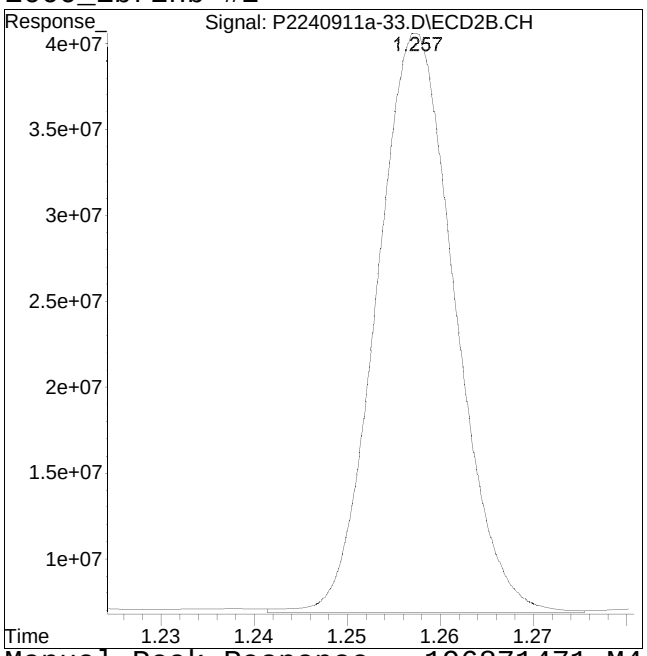


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-33.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:55 Instrument : Pest 2
Sample : L2450786-09,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



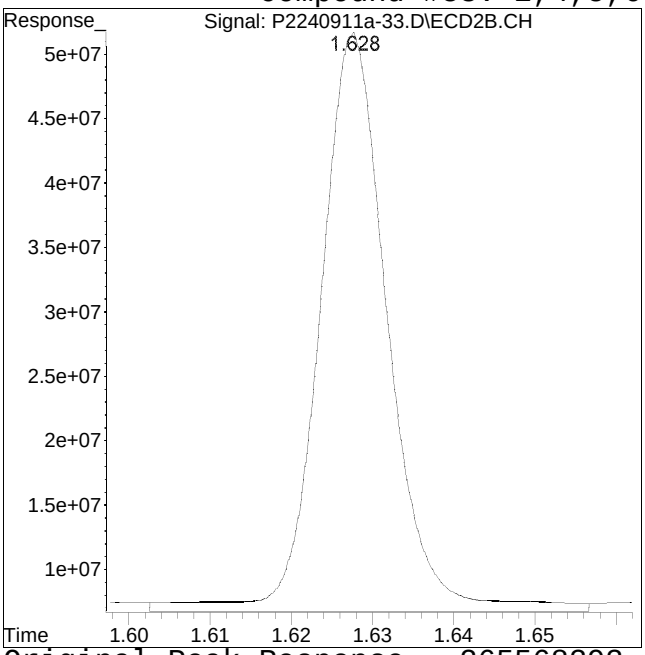


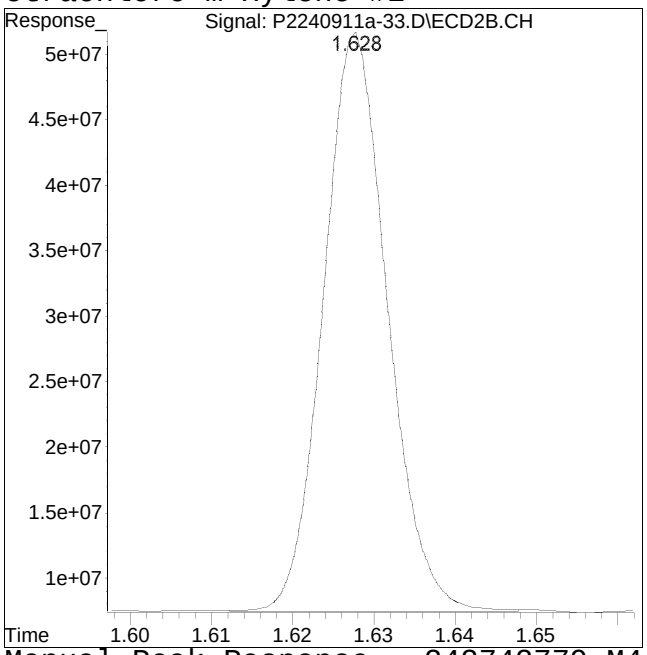
Original Peak Response = 206324923 Manual Peak Response = 196871471 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-33.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:55 Instrument : Pest 2
Sample : L2450786-09,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



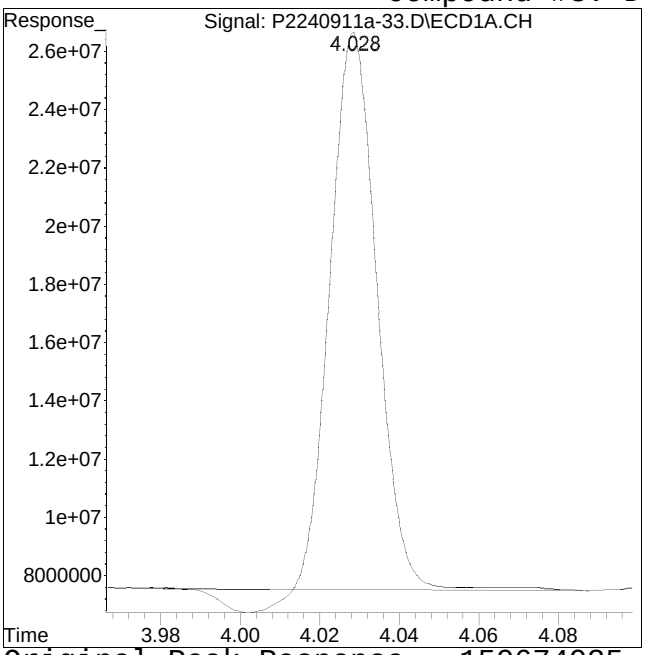


Original Peak Response = 265568393 Manual Peak Response = 242742779 M4
M4 = Poor automated baseline construction.

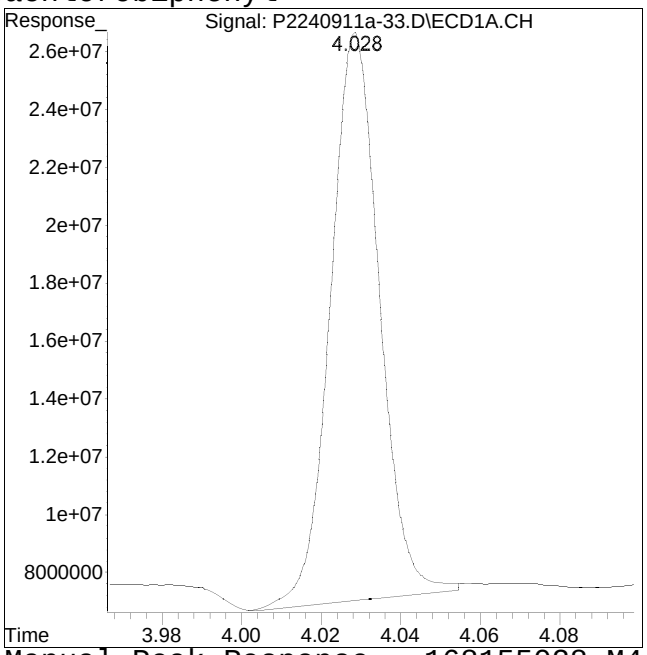
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-33.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:55 Instrument : Pest 2
Sample : L2450786-09,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 150674935



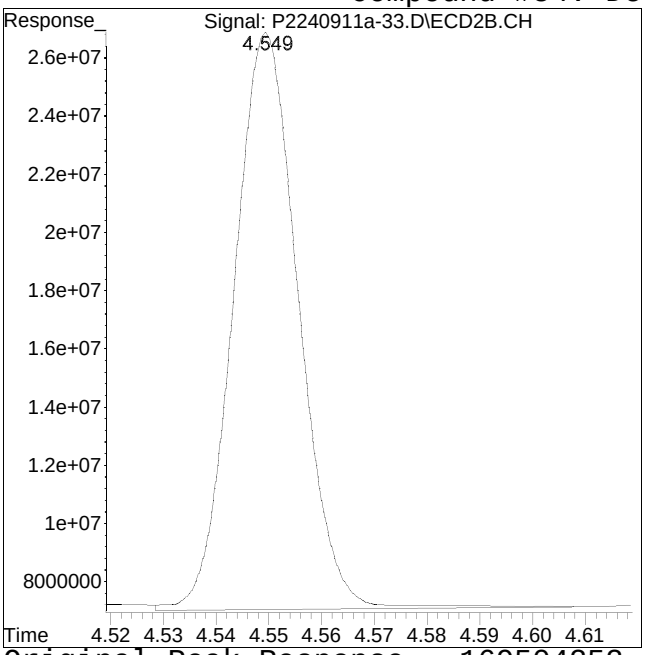
Manual Peak Response = 168155028 M4

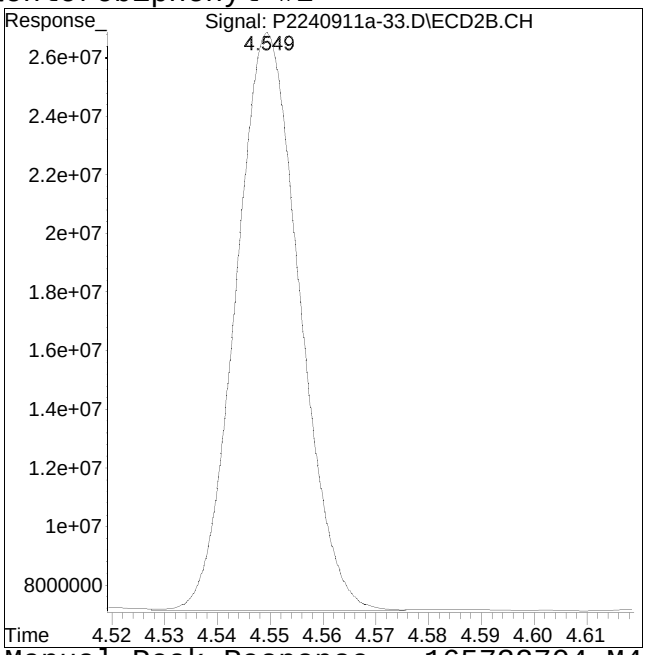
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-33.D Operator : pest2:meo
Date Inj'd : 9/11/2024 13:55 Instrument : Pest 2
Sample : L2450786-09,42,, Quant Date : 9/11/2024 2:36 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 169504252 Manual Peak Response = 165732704 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:04
Operator : pest2:meo
Sample : L2450786-10,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:53 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.191	1.257	205.5E6	193.4E6	25.000	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery =	123.12%	
	Standard Area 1 : #2 = 154985125				Recovery =	124.77%	
14) i	2154_1br2nb	1.191	1.257	205.5E6	193.4E6	25.000	25.000M4
23) i	4268_1br2nb	1.191	1.257	205.5E6	193.4E6	25.000	25.000M4
34) i	1248_1br2nb	1.191	1.257	205.5E6	193.4E6	25.000	25.000M4
40) i	3262_1br2nb	1.191	1.257	205.5E6	193.4E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.472	1.628	221.8E6	249.2E6	14.182	15.237M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	70.91%	76.19%
3) s	Decachlorobi	4.029	4.550	182.0E6	172.1E6	15.687M4	16.796
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.44%	83.98%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:04
Operator : pest2:meo
Sample : L2450786-10,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:53 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:04
Operator : pest2:meo
Sample : L2450786-10,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:53 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:04
Operator : pest2:meo
Sample : L2450786-10,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:53 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

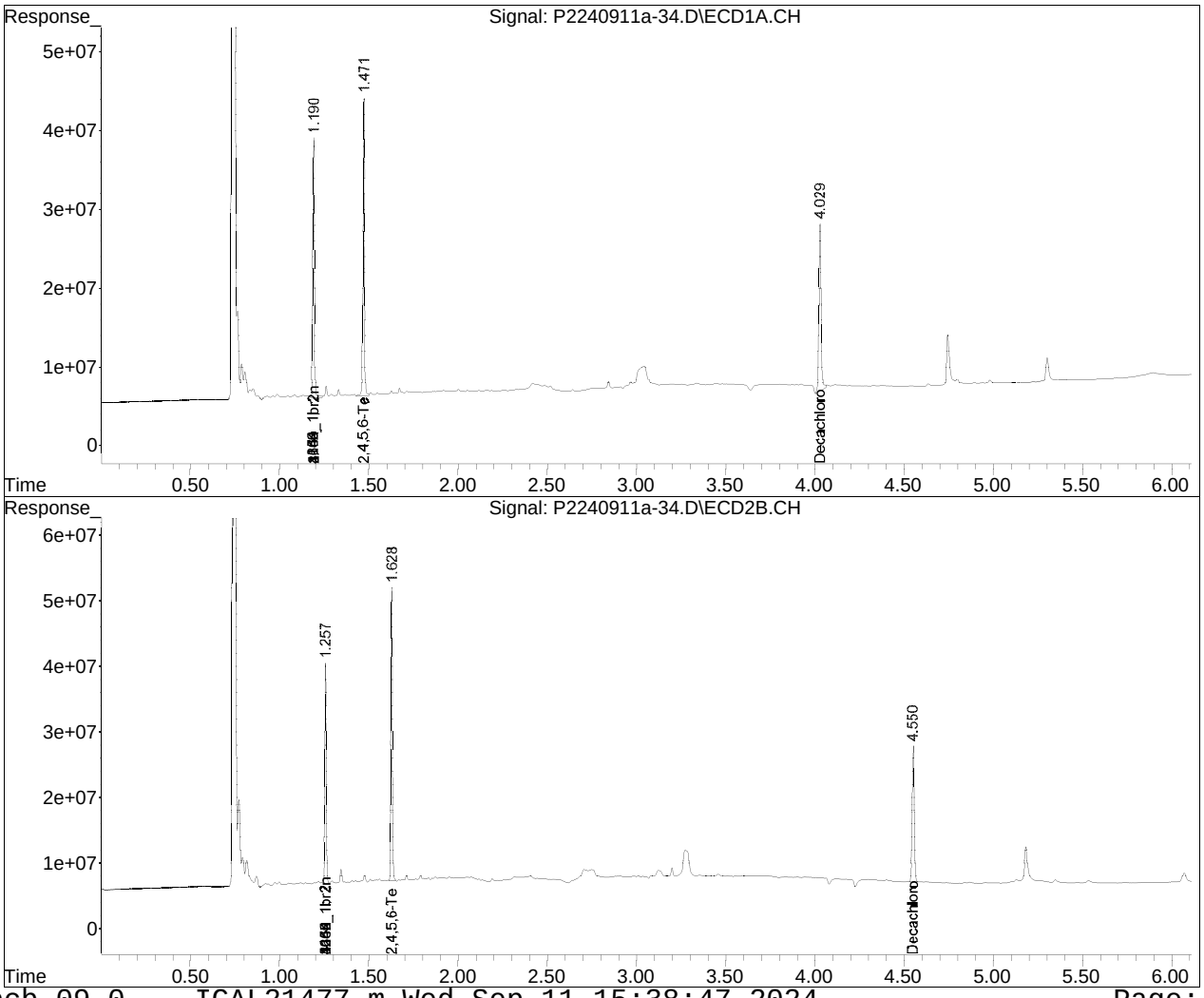
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-34.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:04
Operator : pest2:meo
Sample : L2450786-10,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:53 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

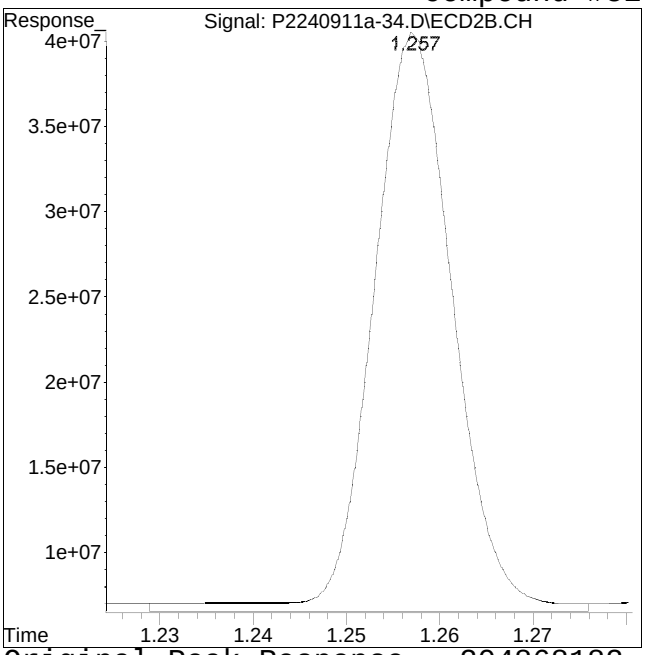
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

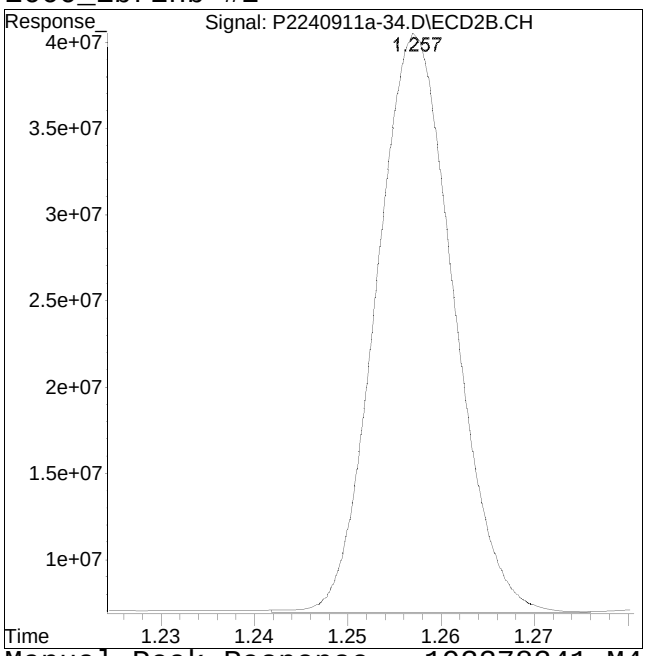


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-34.D Operator : pest2:meo
Date Inj'd : 9/11/2024 14:04 Instrument : Pest 2
Sample : L2450786-10,42,, Quant Date : 9/11/2024 2:36 pm

Compound #52: 1660_1br2nb #2



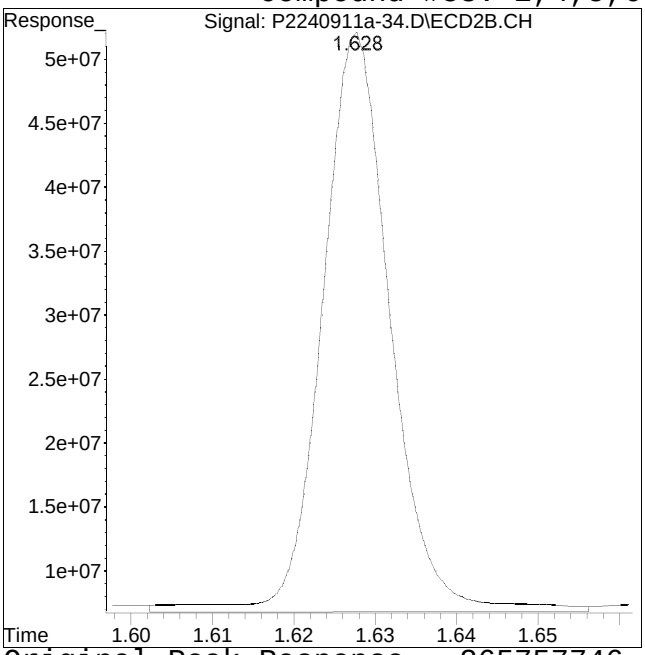


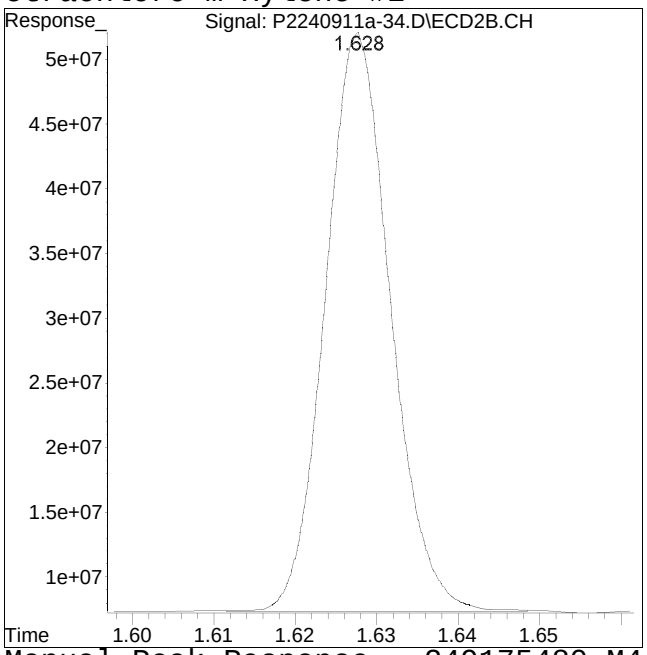
Original Peak Response = 204868182 Manual Peak Response = 193378241 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-34.D Operator : pest2:meo
Date Inj'd : 9/11/2024 14:04 Instrument : Pest 2
Sample : L2450786-10,42,, Quant Date : 9/11/2024 2:36 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



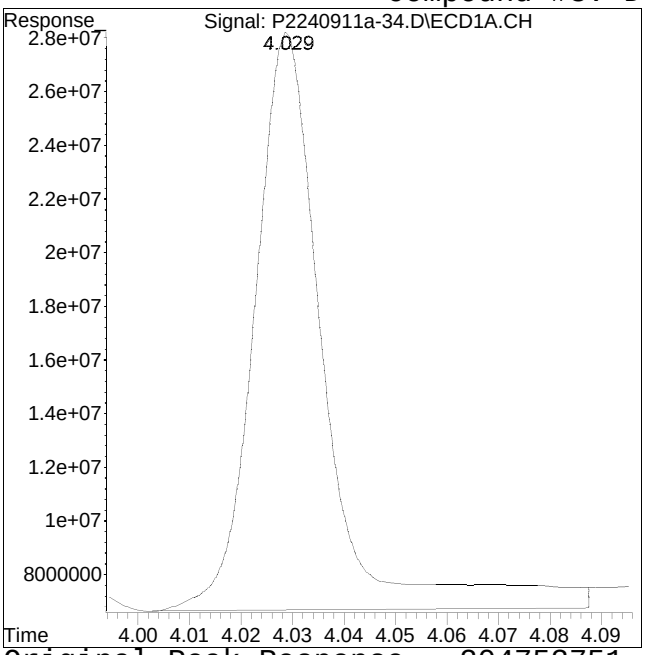


Original Peak Response = 265757746 Manual Peak Response = 249175480 M4
M4 = Poor automated baseline construction.

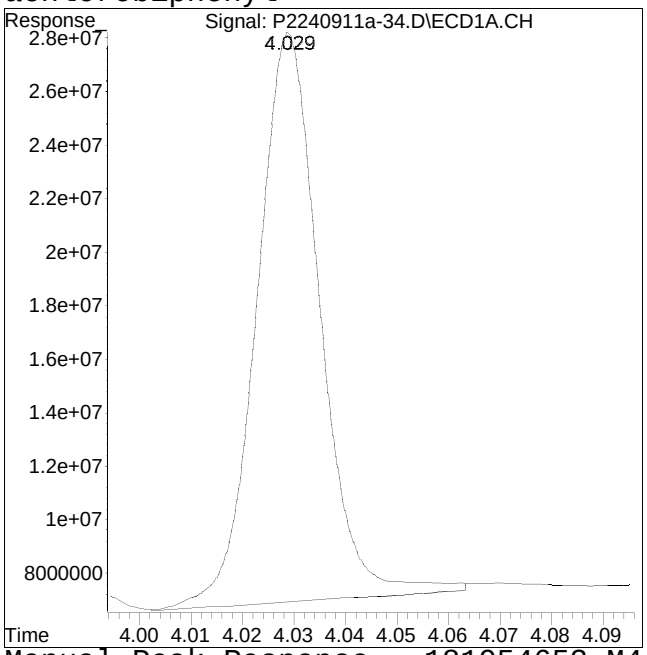
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-34.D Operator : pest2:meo
Date Inj'd : 9/11/2024 14:04 Instrument : Pest 2
Sample : L2450786-10,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 204753751



Manual Peak Response = 181954653 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-35.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:13
Operator : pest2:meo
Sample : L2450786-12,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:56 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.189	1.258	202.8E6	203.3E6	25.000	25.000
Standard Area 1 : #1 = 166941545				Recovery =	121.47%	
Standard Area 1 : #2 = 154985125				Recovery =	131.19%	
14) i 2154_1br2nb	1.189	1.258	202.8E6	203.3E6	25.000	25.000
23) i 4268_1br2nb	1.189	1.258	202.8E6	203.3E6	25.000	25.000
34) i 1248_1br2nb	1.189	1.258	202.8E6	203.3E6	25.000	25.000
40) i 3262_1br2nb	1.189	1.258	202.8E6	203.3E6	25.000	25.000
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.469	1.628	208.2E6	253.8E6	13.495	14.759
Spiked Amount 20.000	Range 30 - 150		Recovery =	67.47%	73.80%	
3) s Decachlorobi	4.024	4.547	172.6E6	167.1E6	15.078M4	15.510
Spiked Amount 20.000	Range 30 - 150		Recovery =	75.39%	77.55%	
Target Compounds						
4) l1 1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1 1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1 1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1 1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1 1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1016-1			0	0	N.D.	N.D.
Average 1016-1					0.000	0.000
9) l2 1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-35.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:13
Operator : pest2:meo
Sample : L2450786-12,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:56 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-35.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:13
Operator : pest2:meo
Sample : L2450786-12,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:56 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

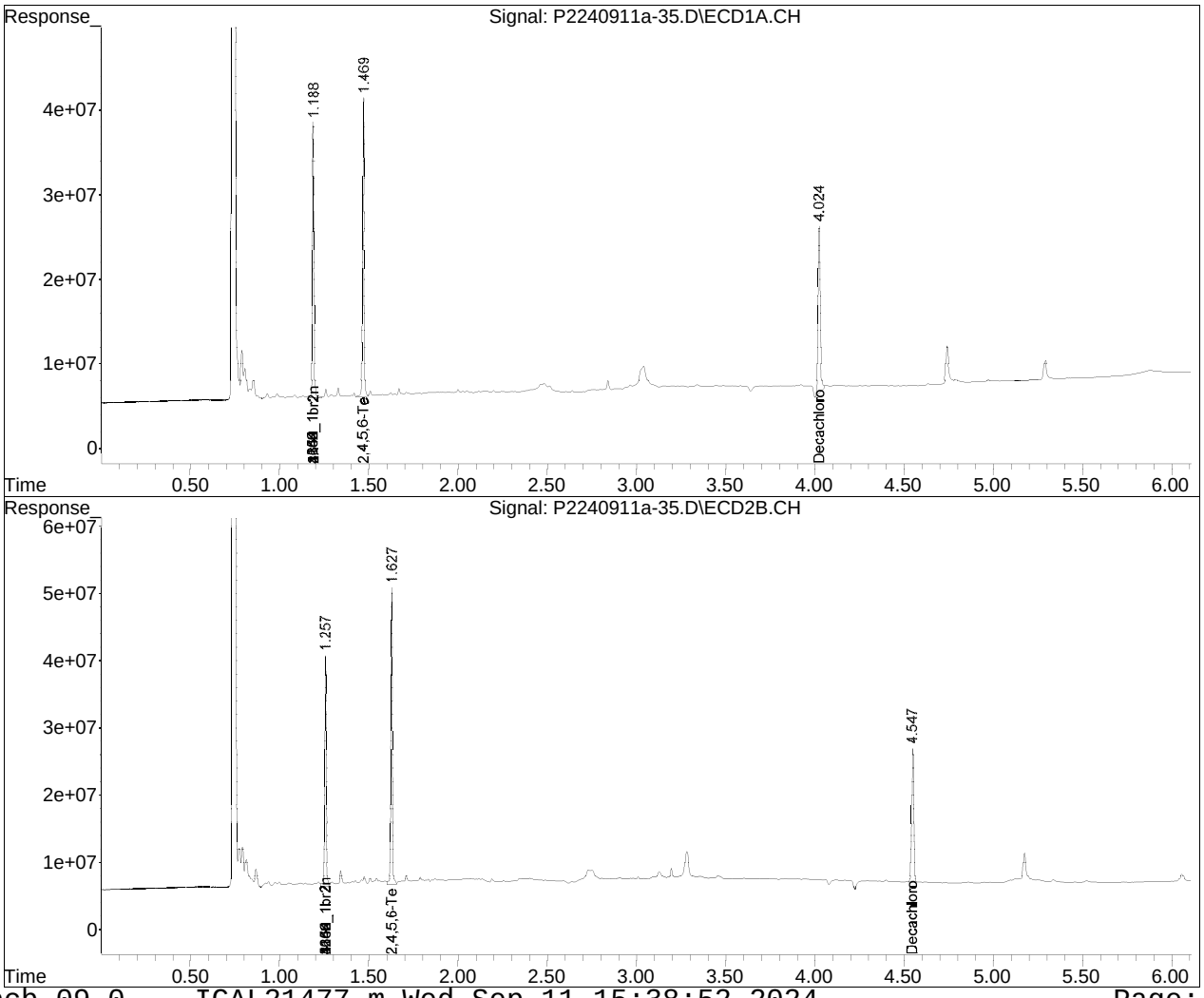
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-35.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 14:13
Operator : pest2:meo
Sample : L2450786-12,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:36:56 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

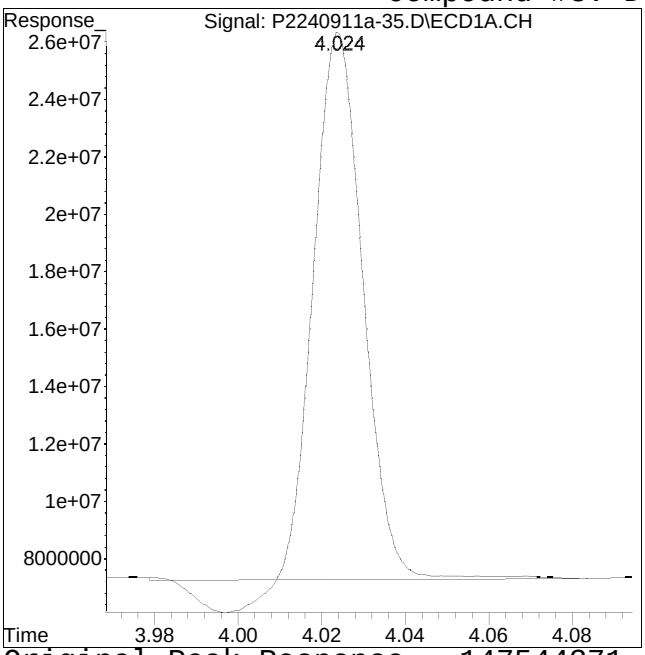
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



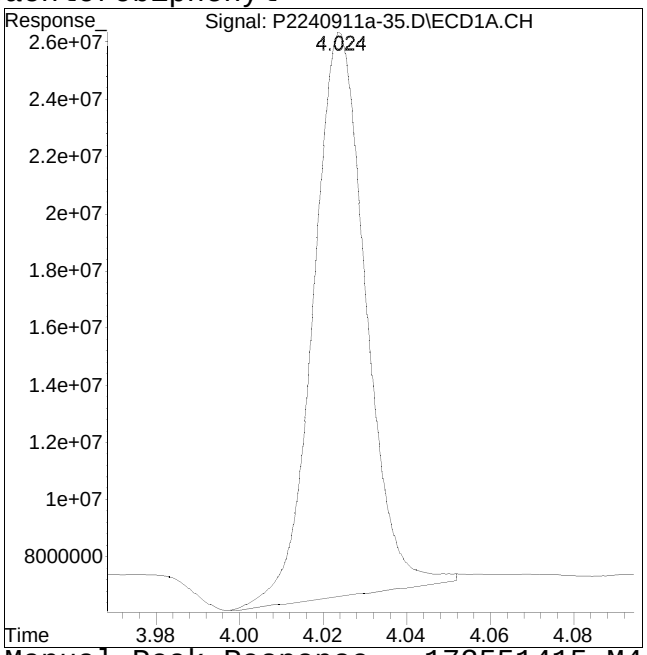
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-35.D Operator : pest2:meo
Date Inj'd : 9/11/2024 14:13 Instrument : Pest 2
Sample : L2450786-12,42,, Quant Date : 9/11/2024 2:36 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 147544371



Manual Peak Response = 172551415 M4

M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21477**
Calibration dates	**: 09/09/24 21:01 09/09/24 22:35**		

Calibration Files
= 2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra	2.404	1.757	1.860	1.920	1.755	1.715	1.902	13.53
3)	s	Decachlorobip	1.802	1.388	1.338	1.411	1.293	1.234	1.411	14.31
4)	l1	1016-1	0.042	0.034	0.034	0.033	0.030	0.028	0.033	14.39
5)	l1	1016-2	0.084	0.077	0.076	0.074	0.065	0.062	0.073	11.20
6)	l1	1016-3	0.172	0.146	0.147	0.151	0.139	0.132	0.148	9.19
7)	l1	1016-4	0.064	0.063	0.063	0.066	0.057	0.055	0.061	7.18
8)	l1	1016-5	0.080	0.066	0.067	0.071	0.061	0.056	0.067	12.23
9)	l2	1260-1	0.115	0.091	0.098	0.094	0.083	0.079	0.093	13.41
10)	l2	1260-2	0.166	0.146	0.143	0.142	0.128	0.122	0.141	10.93
11)	l2	1260-3	0.096	0.087	0.088	0.093	0.082	0.079	0.088	7.19
12)	l2	1260-4	0.238	0.191	0.188	0.198	0.180	0.176	0.195	11.56
13)	l2	1260-5	0.167	0.136	0.133	0.144	0.127	0.124	0.139	11.24
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2				0.020			0.020	0.00
16)	l3	1221-3				0.011			0.011	0.00
17)	l3	1221-4				0.045			0.045	0.00
18)	l4	1254-1				0.065			0.065	0.00
19)	l4	1254-2				0.132			0.132	0.00
20)	l4	1254-3				0.114			0.114	0.00
21)	l4	1254-4				0.089			0.089	0.00
22)	l4	1254-5				0.127			0.127	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1				0.023			0.023	0.00
25)	l6	1242-2				0.051			0.051	0.00
26)	l6	1242-3				0.106			0.106	0.00
27)	l6	1242-4				0.046			0.046	0.00
28)	l6	1242-5				0.037			0.037	0.00
29)	l9	1268-1				0.231			0.231	0.00
30)	l9	1268-2				0.207			0.207	0.00
31)	l9	1268-3				0.168			0.168	0.00
32)	l9	1268-4				0.078			0.078	0.00
33)	l9	1268-5				0.521			0.521	0.00
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1				0.070			0.070	0.00
36)	l7	1248-2				0.088			0.088	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21477**
Calibration dates	**: 09/09/24 21:01 09/09/24 22:35**		

Calibration Files
= 2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

	Compound	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3				0.082			0.082	0.00
38) l7	1248-4				0.074			0.074	0.00
39) l7	1248-5				0.065			0.065	0.00
40) i	3262_1br2nb				ISTD				
41) l5	1232-1				0.033			0.033	0.00
42) l5	1232-2				0.032			0.032	0.00
43) l5	1232-3				0.064			0.064	0.00
44) l5	1232-4				0.027			0.027	0.00
45) l5	1232-5				0.020			0.020	0.00
46) l8	1262-1				0.094			0.094	0.00
47) l8	1262-2				0.140			0.140	0.00
48) l8	1262-3				0.107			0.107	0.00
49) l8	1262-4				0.233			0.233	0.00
50) l8	1262-5				0.068			0.068	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21477**
Calibration dates	**: 09/09/24 21:01 09/09/24 22:35**		

Signal #2 Calibration Files
= 2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

	Compound	2	3	4	5	6	7	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------							
2) s	2,4,5,6-Tetra	2.775	2.080	2.040	2.081	1.870	1.839	2.114	16.11
3) s	Decachlorobip	1.735	1.349	1.372	1.255	1.091	1.144	1.324	17.33
4) l1	1016-1	0.048	0.039	0.040	0.038	0.032	0.029	0.038	17.26
5) l1	1016-2	0.110	0.085	0.082	0.086	0.070	0.065	0.083	19.09
6) l1	1016-3	0.225	0.172	0.164	0.159	0.138	0.136	0.166	19.57
7) l1	1016-4	0.087	0.068	0.066	0.064	0.055	0.053	0.066	18.42
8) l1	1016-5	0.062	0.059	0.054	0.054	0.045	0.043	0.053	14.07
9) l2	1260-1	0.126	0.108	0.106	0.092	0.079	0.082	0.099	18.04
10) l2	1260-2	0.155	0.123	0.122	0.112	0.096	0.099	0.118	18.29
11) l2	1260-3	0.115	0.102	0.104	0.095	0.080	0.083	0.097	13.78
12) l2	1260-4	0.246	0.196	0.201	0.188	0.162	0.170	0.194	15.25
13) l2	1260-5	0.183	0.145	0.143	0.134	0.116	0.120	0.140	17.20
14) i	2154_1br2nb	----------ISTD----------							
15) l3	1221-2			0.022				0.022	0.00
16) l3	1221-3			0.014				0.014	0.00
17) l3	1221-4			0.051				0.051	0.00
18) l4	1254-1			0.085				0.085	0.00
19) l4	1254-2			0.129				0.129	0.00
20) l4	1254-3			0.141				0.141	0.00
21) l4	1254-4			0.097				0.097	0.00
22) l4	1254-5			0.131				0.131	0.00
23) i	4268_1br2nb	----------ISTD----------							
24) l6	1242-1			0.025				0.025	0.00
25) l6	1242-2			0.057				0.057	0.00
26) l6	1242-3			0.114				0.114	0.00
27) l6	1242-4			0.048				0.048	0.00
28) l6	1242-5			0.040				0.040	0.00
29) l9	1268-1			0.230				0.230	0.00
30) l9	1268-2			0.205				0.205	0.00
31) l9	1268-3			0.167				0.167	0.00
32) l9	1268-4			0.076				0.076	0.00
33) l9	1268-5			0.494				0.494	0.00
34) i	1248_1br2nb	----------ISTD----------							
35) l7	1248-1			0.079				0.079	0.00
36) l7	1248-2			0.053				0.053	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21477**
Calibration dates	**: 09/09/24 21:01 09/09/24 22:35**		

Signal #2 Calibration Files
= 2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

	Compound	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3				0.071			0.071	0.00
38) l7	1248-4				0.078			0.078	0.00
39) l7	1248-5				0.092			0.092	0.00
40) i	3262_1br2nb				ISTD				
41) l5	1232-1				0.036			0.036	0.00
42) l5	1232-2				0.038			0.038	0.00
43) l5	1232-3				0.070			0.070	0.00
44) l5	1232-4				0.028			0.028	0.00
45) l5	1232-5				0.023			0.023	0.00
46) l8	1262-1				0.093			0.093	0.00
47) l8	1262-2				0.124			0.124	0.00
48) l8	1262-3				0.116			0.116	0.00
49) l8	1262-4				0.211			0.211	0.00
50) l8	1262-5				0.075			0.075	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240909i\
Method File : P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Sep 10 12:23:09 2024
Response Via : Initial Calibration

Calibration Files
=2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	2.404	1.757	1.860	1.920	1.755	1.715	1.902	13.53
3)	s	Decachlorobip...	1.802	1.388	1.338	1.411	1.293	1.234	1.411	14.31
4)	l1	1016-1	0.042	0.034	0.034	0.033	0.030	0.028	0.033	14.39
5)	l1	1016-2	0.084	0.077	0.076	0.074	0.065	0.062	0.073	11.20
6)	l1	1016-3	0.172	0.146	0.147	0.151	0.139	0.132	0.148	9.19
7)	l1	1016-4	0.064	0.063	0.063	0.066	0.057	0.055	0.061	7.18
8)	l1	1016-5	0.080	0.066	0.067	0.071	0.061	0.056	0.067	12.23
9)	l2	1260-1	0.115	0.091	0.098	0.094	0.083	0.079	0.093	13.41
10)	l2	1260-2	0.166	0.146	0.143	0.142	0.128	0.122	0.141	10.93
11)	l2	1260-3	0.096	0.087	0.088	0.093	0.082	0.079	0.088	7.19
12)	l2	1260-4	0.238	0.191	0.188	0.198	0.180	0.176	0.195	11.56
13)	l2	1260-5	0.167	0.136	0.133	0.144	0.127	0.124	0.139	11.24
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2	0.020						0.020	0.00
16)	l3	1221-3	0.011						0.011	0.00
17)	l3	1221-4	0.045						0.045	0.00
18)	l4	1254-1	0.065						0.065	0.00
19)	l4	1254-2	0.132						0.132	0.00
20)	l4	1254-3	0.114						0.114	0.00
21)	l4	1254-4	0.089						0.089	0.00
22)	l4	1254-5	0.127						0.127	0.00
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.023						0.023	0.00
25)	l6	1242-2	0.051						0.051	0.00
26)	l6	1242-3	0.106						0.106	0.00
27)	l6	1242-4	0.046						0.046	0.00
28)	l6	1242-5	0.037						0.037	0.00
29)	l9	1268-1	0.231						0.231	0.00

Method Path : I:\PCB\Pest2\2024\240909i\
Method File : P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Sep 10 12:23:09 2024
Response Via : Initial Calibration

Calibration Files
=2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
30)	l9	1268-2			0.207			0.207	0.00	
31)	l9	1268-3			0.168			0.168	0.00	
32)	l9	1268-4			0.078			0.078	0.00	
33)	l9	1268-5			0.521			0.521	0.00	
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1			0.070			0.070	0.00	
36)	l7	1248-2			0.088			0.088	0.00	
37)	l7	1248-3			0.082			0.082	0.00	
38)	l7	1248-4			0.074			0.074	0.00	
39)	l7	1248-5			0.065			0.065	0.00	
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1			0.033			0.033	0.00	
42)	l5	1232-2			0.032			0.032	0.00	
43)	l5	1232-3			0.064			0.064	0.00	
44)	l5	1232-4			0.027			0.027	0.00	
45)	l5	1232-5			0.020			0.020	0.00	
46)	l8	1262-1			0.094			0.094	0.00	
47)	l8	1262-2			0.140			0.140	0.00	
48)	l8	1262-3			0.107			0.107	0.00	
49)	l8	1262-4			0.233			0.233	0.00	
50)	l8	1262-5			0.068			0.068	0.00	

Signal #2 Calibration Files
=2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	2.775	2.080	2.040	2.081	1.870	1.839	2.114	16.11

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240909i\
Method File : P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Sep 10 12:23:09 2024
Response Via : Initial Calibration

Calibration Files
= 2 =P2240909i-09.D 3 =P2240909i-10.D 4 =P2240909i-11.D 5 =P2240909i-12.D
6 =P2240909i-13.D 7 =P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
3)	s	Decachlorobip...	1.735	1.349	1.372	1.255	1.091	1.144	1.324	17.33
4)	l1	1016-1	0.048	0.039	0.040	0.038	0.032	0.029	0.038	17.26
5)	l1	1016-2	0.110	0.085	0.082	0.086	0.070	0.065	0.083	19.09
6)	l1	1016-3	0.225	0.172	0.164	0.159	0.138	0.136	0.166	19.57
7)	l1	1016-4	0.087	0.068	0.066	0.064	0.055	0.053	0.066	18.42
8)	l1	1016-5	0.062	0.059	0.054	0.054	0.045	0.043	0.053	14.07
9)	l2	1260-1	0.126	0.108	0.106	0.092	0.079	0.082	0.099	18.04
10)	l2	1260-2	0.155	0.123	0.122	0.112	0.096	0.099	0.118	18.29
11)	l2	1260-3	0.115	0.102	0.104	0.095	0.080	0.083	0.097	13.78
12)	l2	1260-4	0.246	0.196	0.201	0.188	0.162	0.170	0.194	15.25
13)	l2	1260-5	0.183	0.145	0.143	0.134	0.116	0.120	0.140	17.20
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-2			0.022			0.022	0.00	
16)	l3	1221-3			0.014			0.014	0.00	
17)	l3	1221-4			0.051			0.051	0.00	
18)	l4	1254-1			0.085			0.085	0.00	
19)	l4	1254-2			0.129			0.129	0.00	
20)	l4	1254-3			0.141			0.141	0.00	
21)	l4	1254-4			0.097			0.097	0.00	
22)	l4	1254-5			0.131			0.131	0.00	
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1			0.025			0.025	0.00	
25)	l6	1242-2			0.057			0.057	0.00	
26)	l6	1242-3			0.114			0.114	0.00	
27)	l6	1242-4			0.048			0.048	0.00	
28)	l6	1242-5			0.040			0.040	0.00	
29)	l9	1268-1			0.230			0.230	0.00	
30)	l9	1268-2			0.205			0.205	0.00	
31)	l9	1268-3			0.167			0.167	0.00	
32)	l9	1268-4			0.076			0.076	0.00	
33)	l9	1268-5			0.494			0.494	0.00	

Method Path : I:\PCB\Pest2\2024\240909i\
Method File : P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Sep 10 12:23:09 2024
Response Via : Initial Calibration

Calibration Files
=2=P2240909i-09.D 3=P2240909i-10.D 4=P2240909i-11.D 5=P2240909i-12.D
6=P2240909i-13.D 7=P2240909i-14.D

		Compound	2	3	4	5	6	7	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1			0.079			0.079		0.00
36)	l7	1248-2			0.053			0.053		0.00
37)	l7	1248-3			0.071			0.071		0.00
38)	l7	1248-4			0.078			0.078		0.00
39)	l7	1248-5			0.092			0.092		0.00
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1			0.036			0.036		0.00
42)	l5	1232-2			0.038			0.038		0.00
43)	l5	1232-3			0.070			0.070		0.00
44)	l5	1232-4			0.028			0.028		0.00
45)	l5	1232-5			0.023			0.023		0.00
46)	l8	1262-1			0.093			0.093		0.00
47)	l8	1262-2			0.124			0.124		0.00
48)	l8	1262-3			0.116			0.116		0.00
49)	l8	1262-4			0.211			0.211		0.00
50)	l8	1262-5			0.075			0.075		0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:01
Operator : pest2:kb
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:49:05 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:48:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.188	1.253	156.3E6	179.1E6	25.000	25.000M4
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:01
Operator : pest2:kb
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:49:05 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:48:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.607	1.824	36455891	45512484	207.532M3	227.469M4
25) l6	1242-2	1.748	1.994	79545945	101.3E6	223.807M3	207.997M4
26) l6	1242-3	1.936	2.196	165.8E6	204.7E6	232.735M3	271.968M4
27) l6	1242-4	1.992	2.256	71561642	85249461	250.000	229.608M4
28) l6	1242-5	2.343	2.642	57379385	71098889	122.535M3	258.022M4
Sum	1242-1			410.8E6	507.8E6	1036.610	1195.064
Average	1242-1					207.322	239.013
29) l9	1268-1	3.469	3.896	360.5E6	412.3E6	250.000	297.251M4
30) l9	1268-2	3.491	3.922	323.8E6	367.2E6	250.000	279.409M4
31) l9	1268-3	3.592	4.064	261.8E6	299.2E6	250.000	292.758M4
32) l9	1268-4	3.779	4.216	122.6E6	135.7E6	250.000	212.399M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:01
Operator : pest2:kb
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:49:05 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:48:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
33) l9	1268-5	3.934	4.401	814.3E6	884.9E6	250.000	301.827M4
Sum	1268-1			1883.0E6	2099.2E6	N.D.	N.D. D
Average	1268-1					250.000	276.729
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:01
Operator : pest2:kb
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:49:05 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:48:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

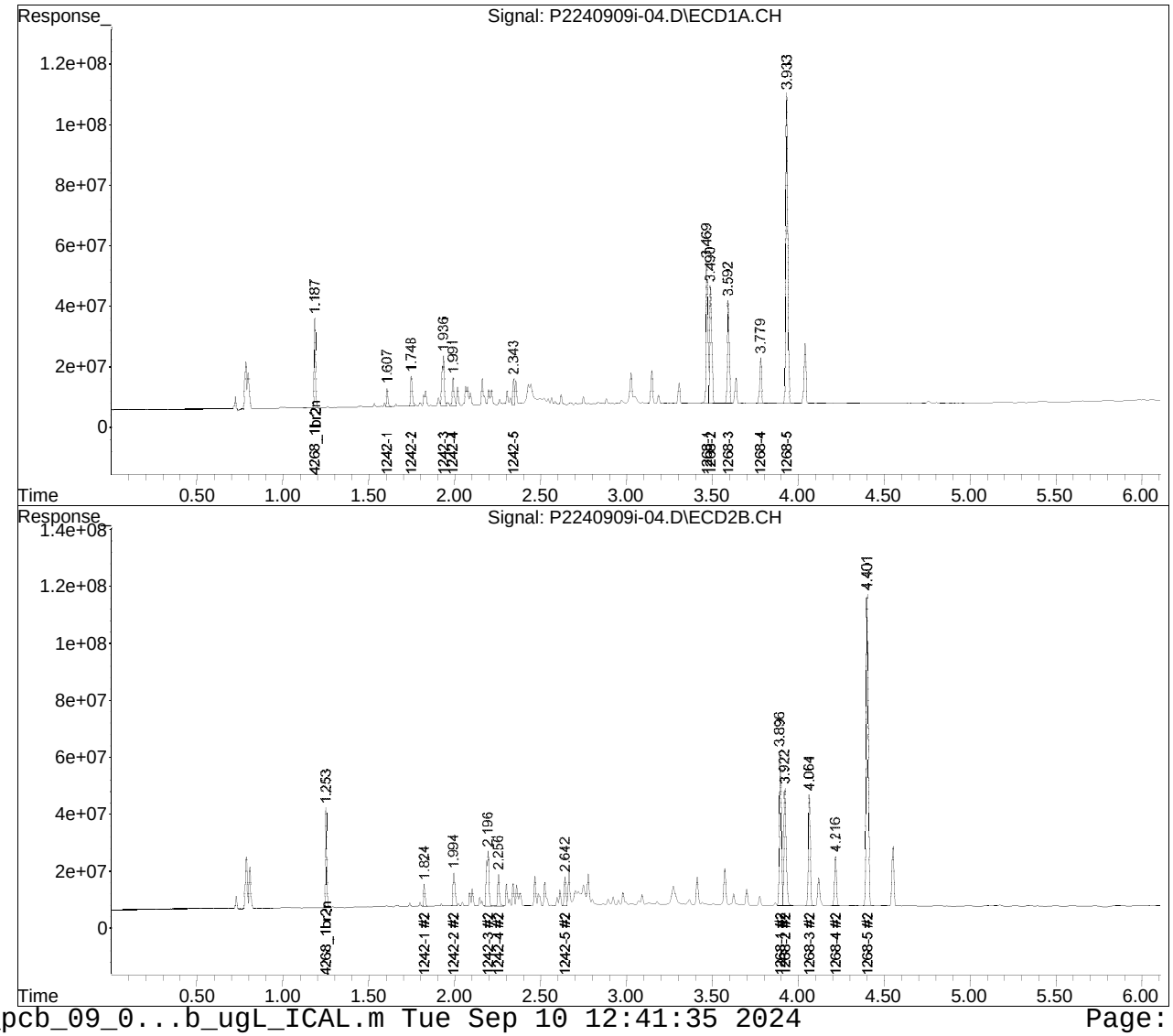
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:01
Operator : pest2:kb
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:49:05 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:48:59 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

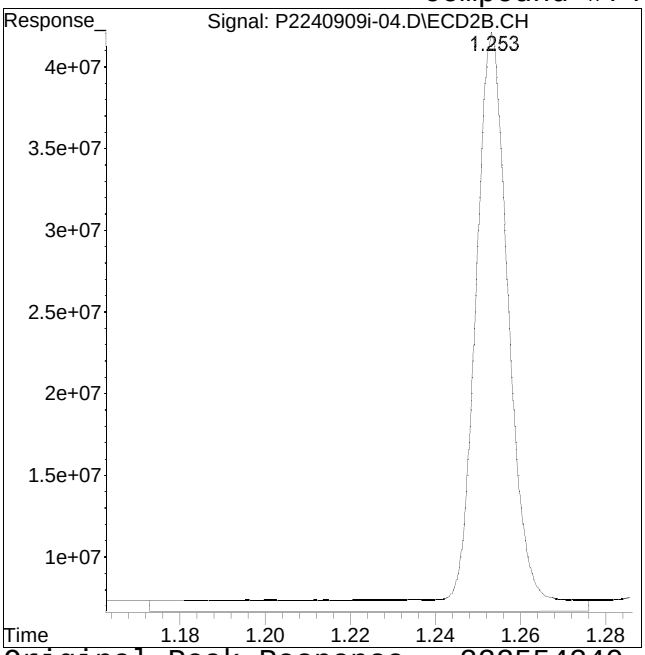
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



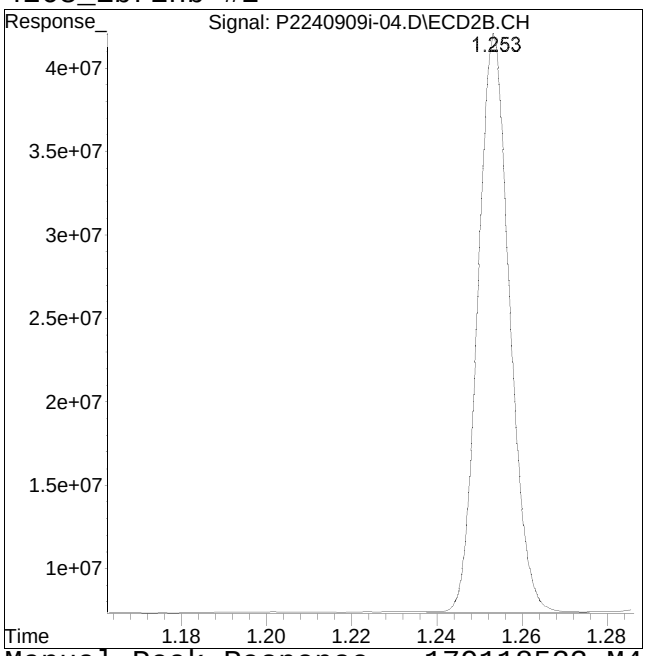
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #74: 4268_1br2nb #2



Original Peak Response = 222554240



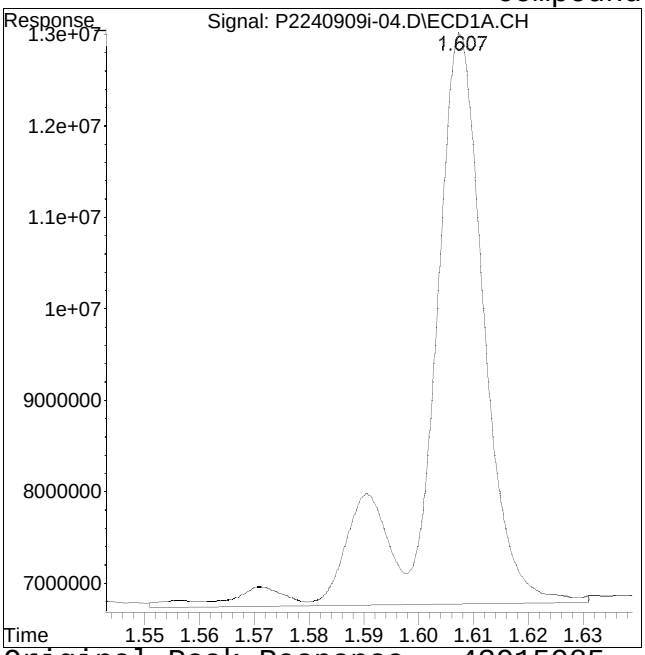
Manual Peak Response = 179118523 M4

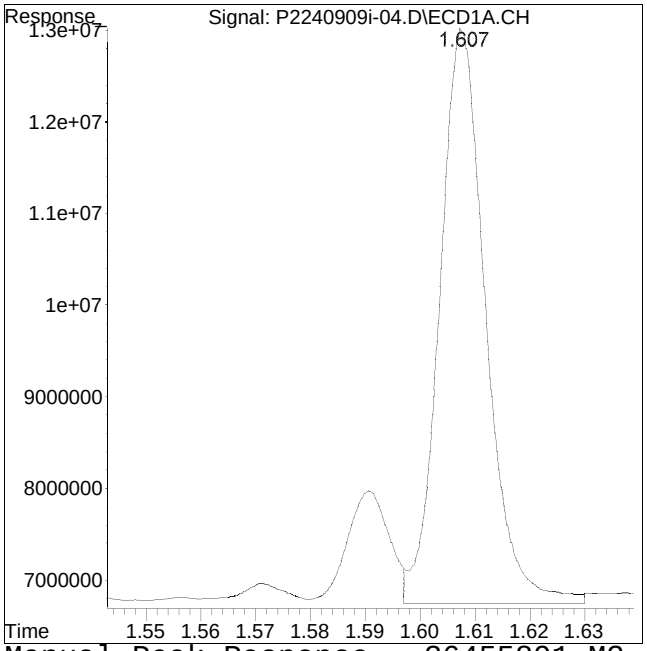
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #24: 1242-1



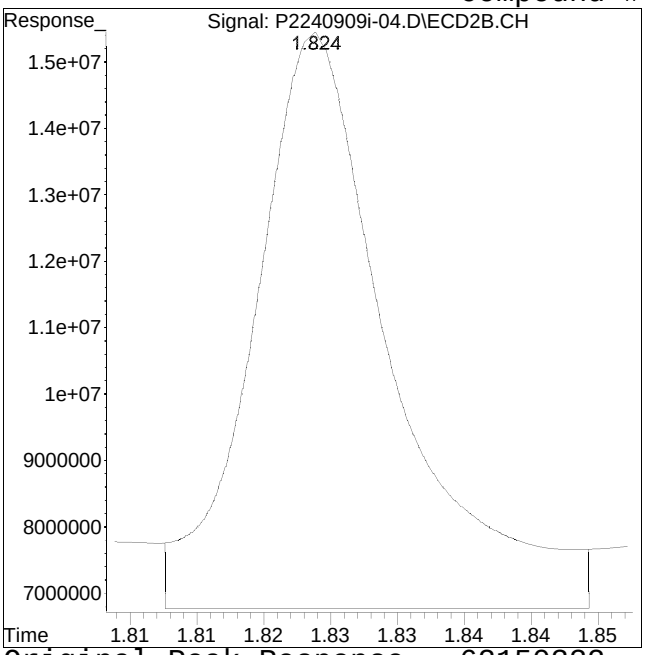


Original Peak Response = 43915985 Manual Peak Response = 36455891 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

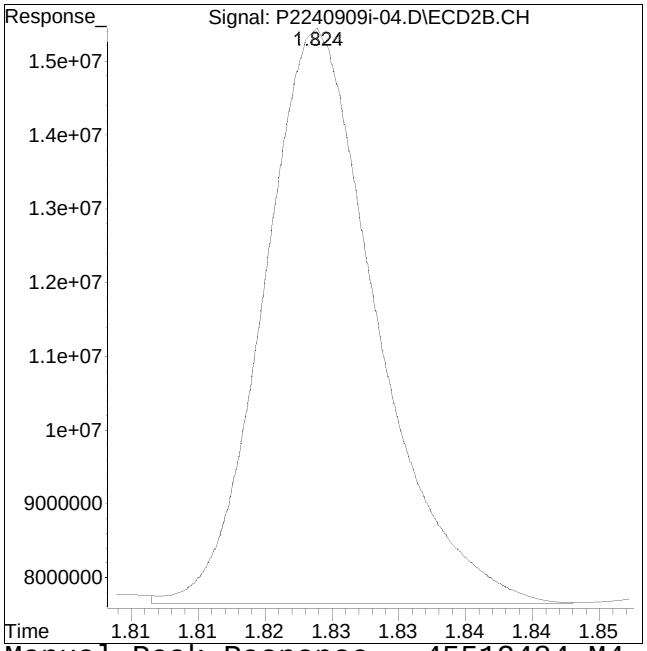
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #75: 1242-1 #2



Original Peak Response = 62150332



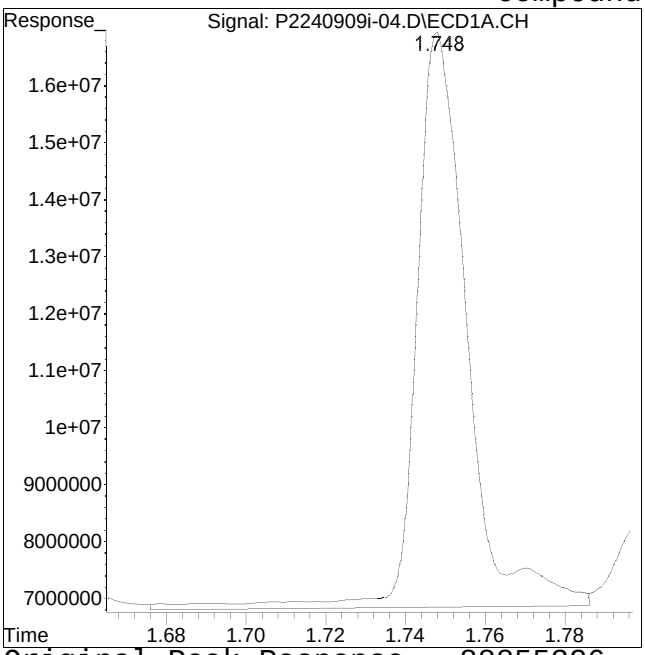
Manual Peak Response = 45512484 M4

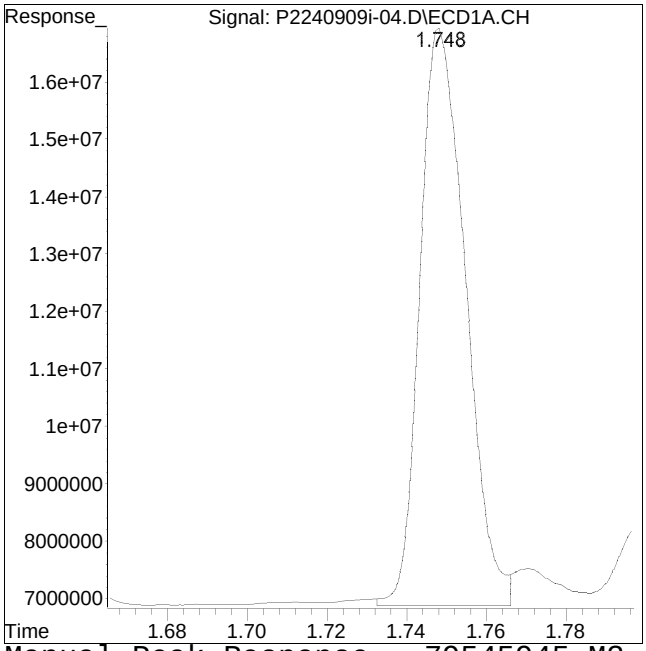
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #25: 1242-2



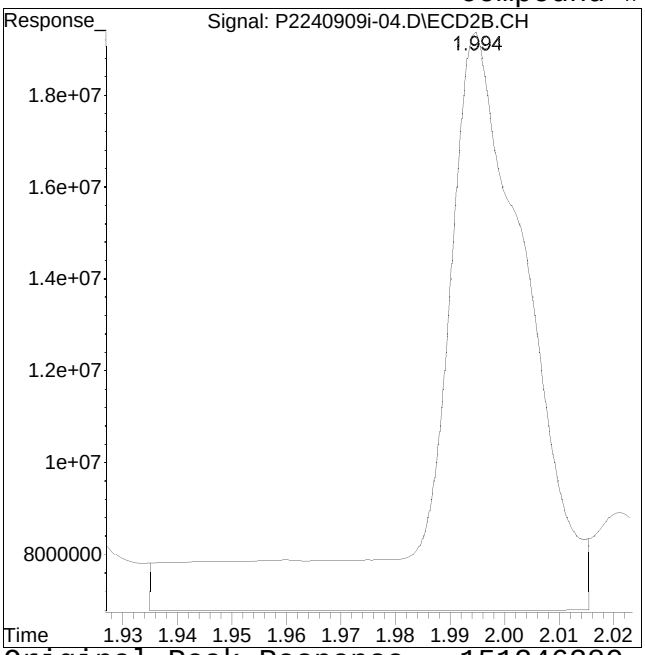


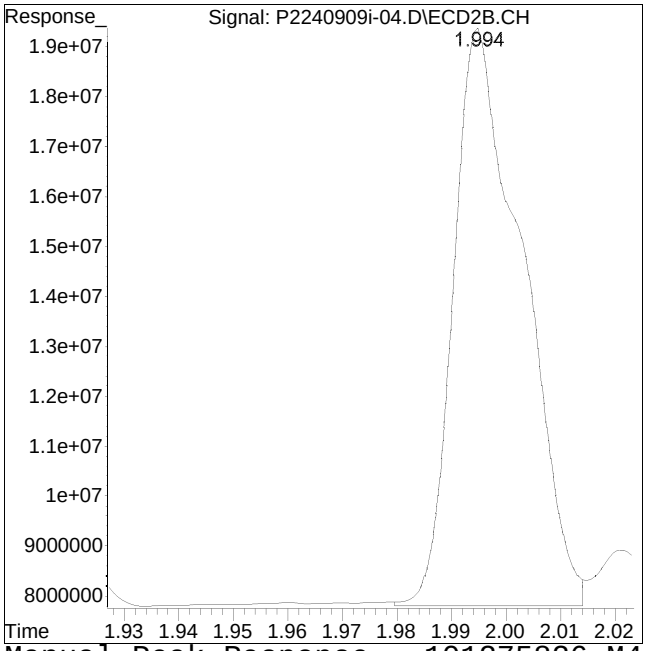
Original Peak Response = 88855326 Manual Peak Response = 79545945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #76: 1242-2 #2



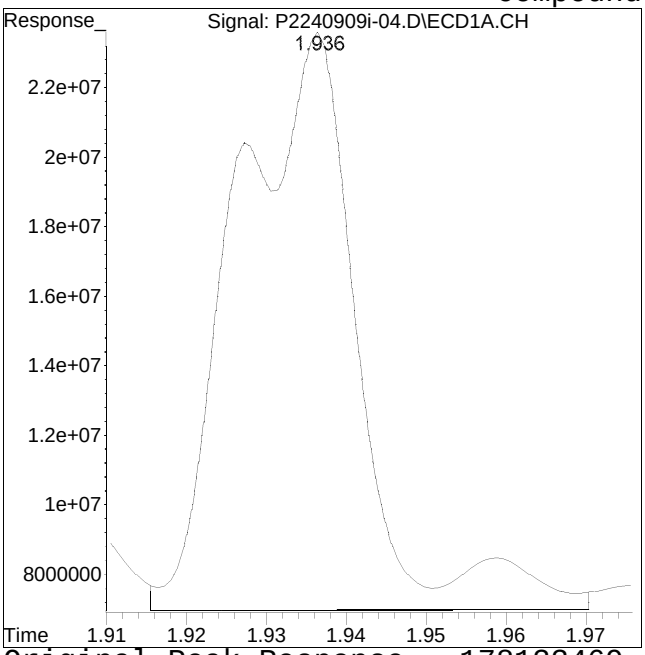


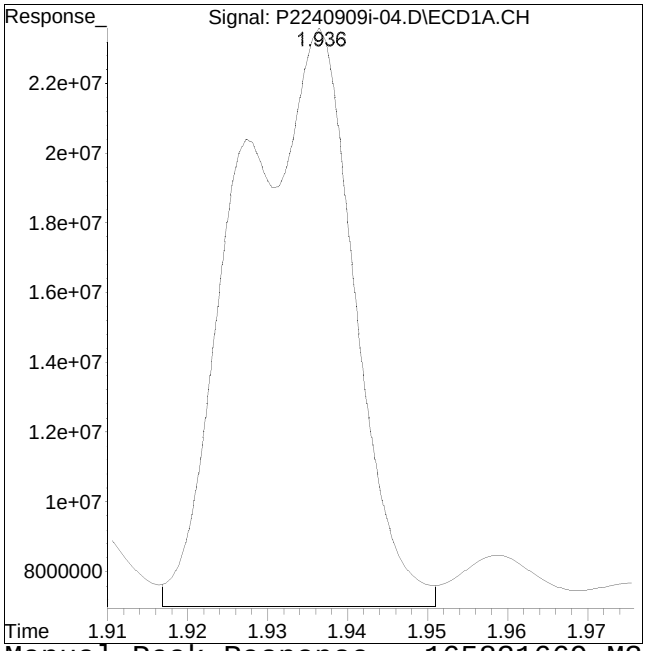
Original Peak Response = 151246380 Manual Peak Response = 101275826 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #26: 1242-3



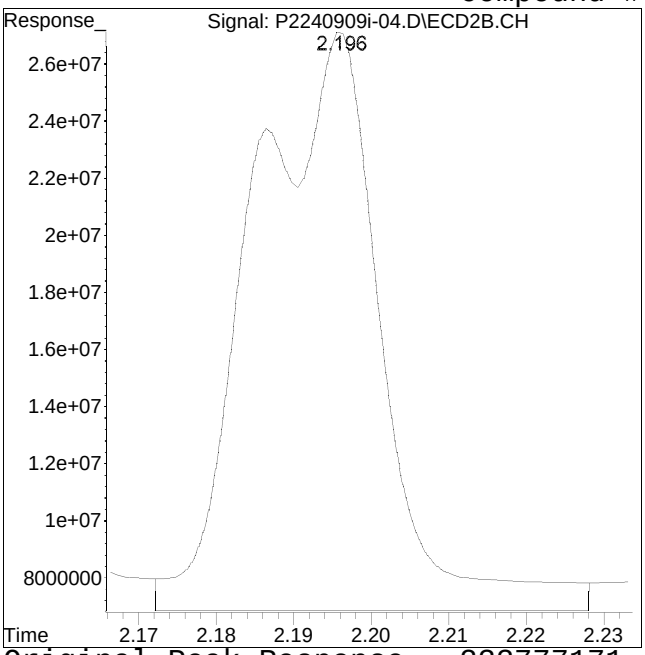


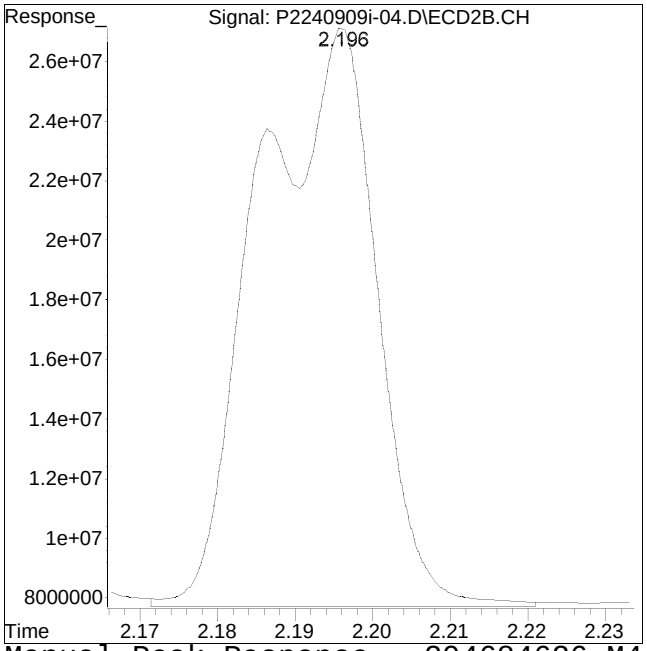
Original Peak Response = 178133469 Manual Peak Response = 165831669 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #77: 1242-3 #2



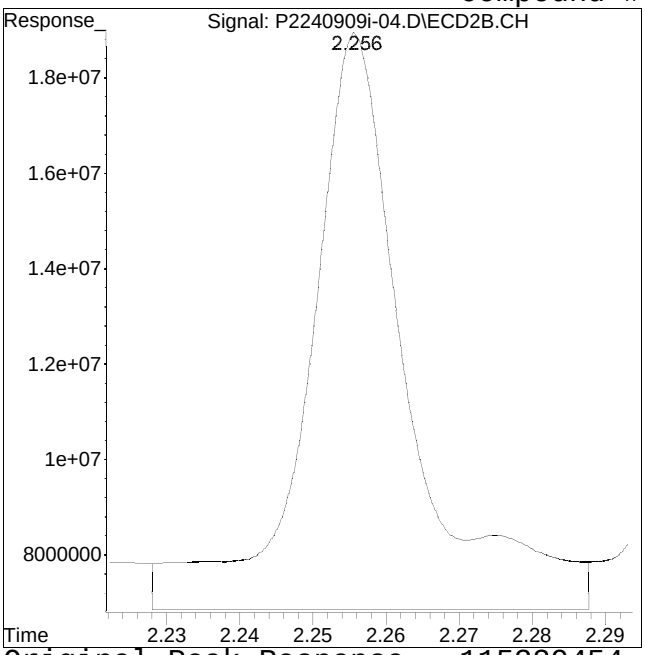


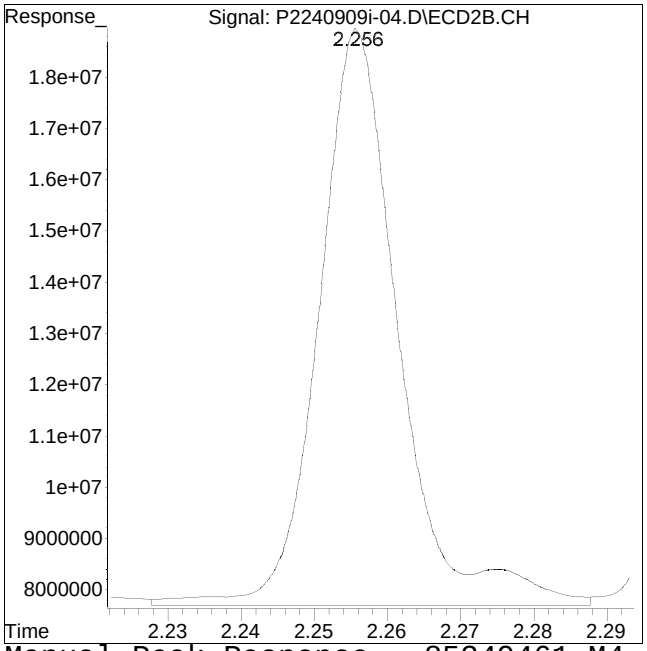
Original Peak Response = 233777171 Manual Peak Response = 204684626 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #78: 1242-4 #2



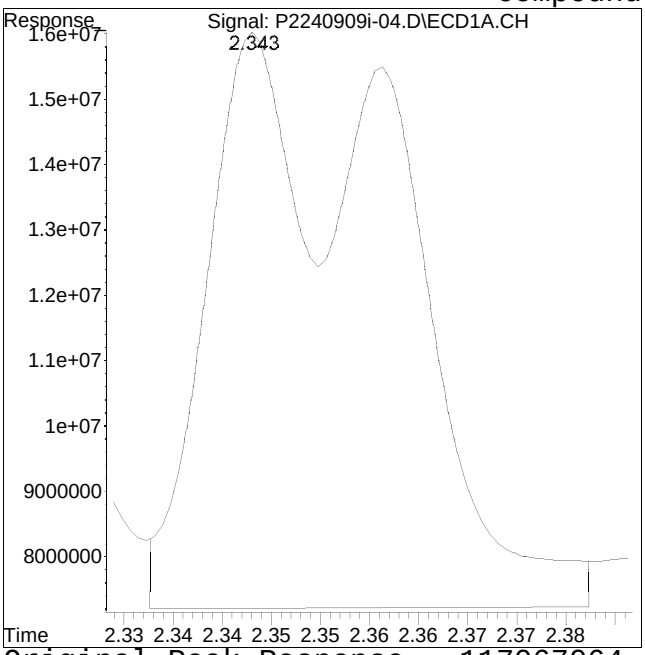


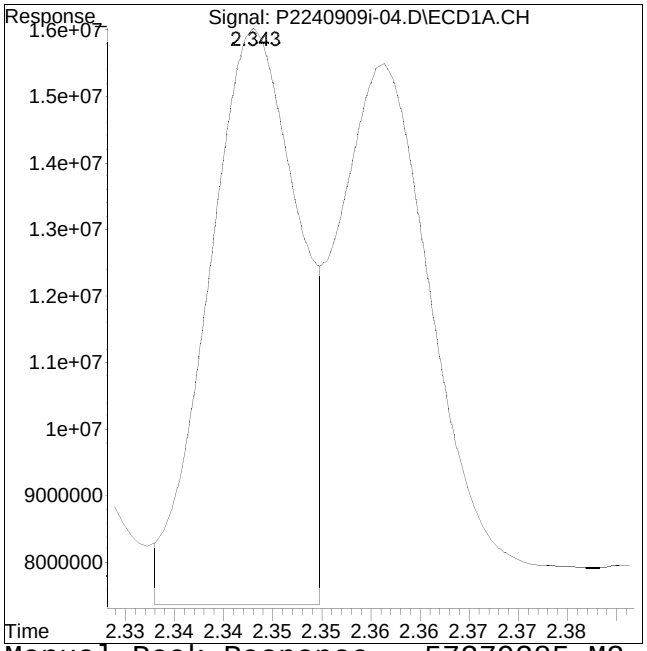
Original Peak Response = 115329454 Manual Peak Response = 85249461 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #28: 1242-5



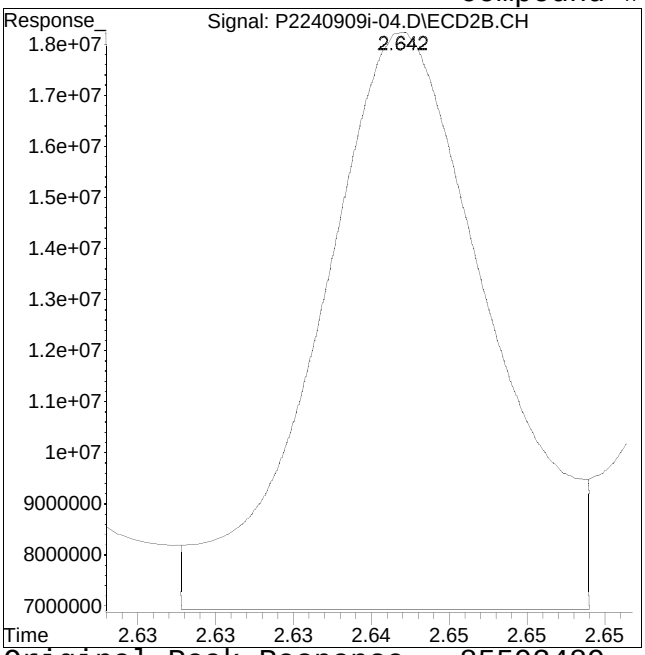


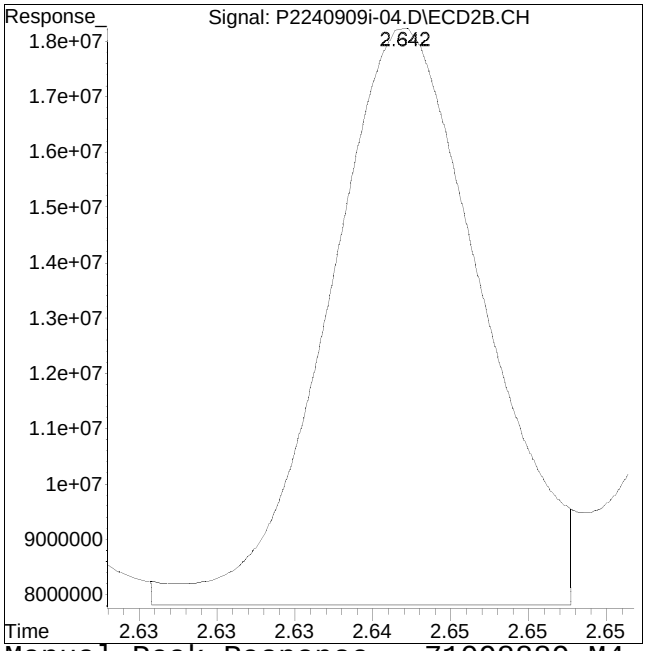
Original Peak Response = 117067064 Manual Peak Response = 57379385 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #79: 1242-5 #2



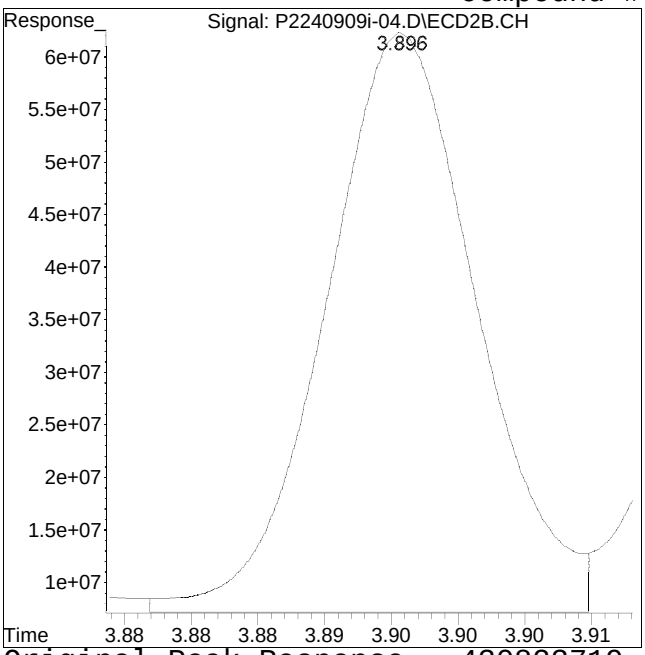


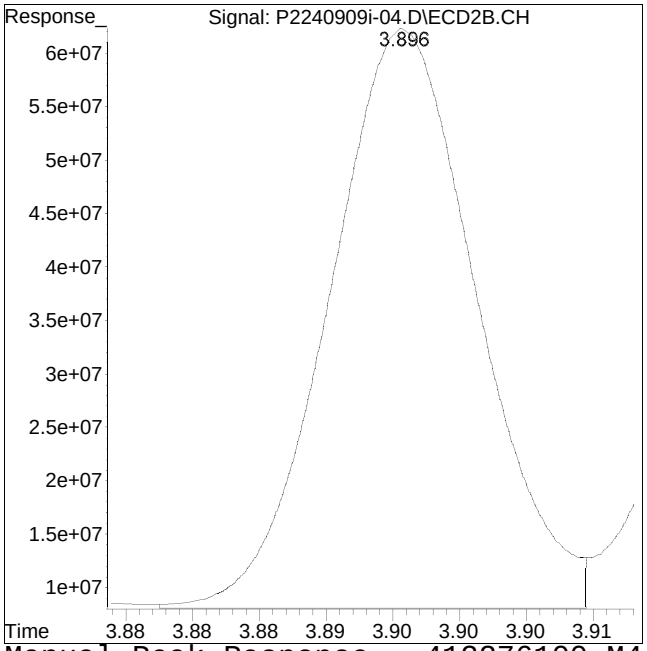
Original Peak Response = 85593489 Manual Peak Response = 71098889 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #80: 1268-1 #2



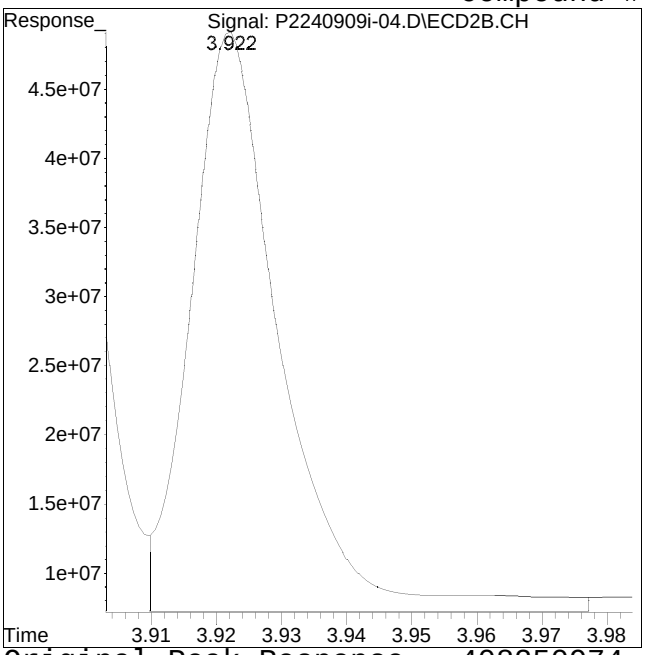


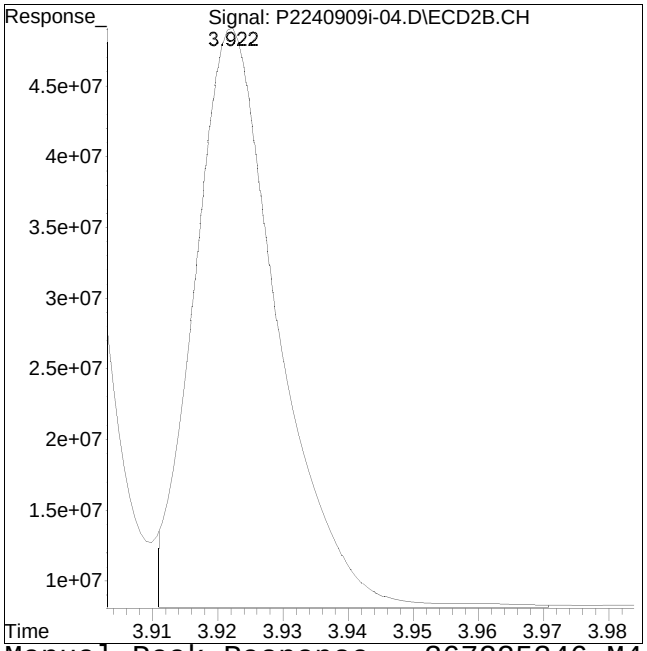
Original Peak Response = 430823719 Manual Peak Response = 412276100 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #81: 1268-2 #2



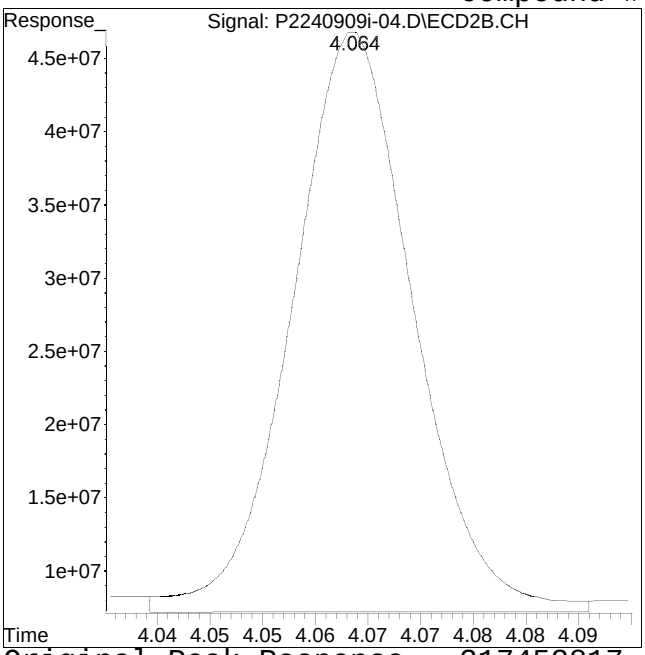


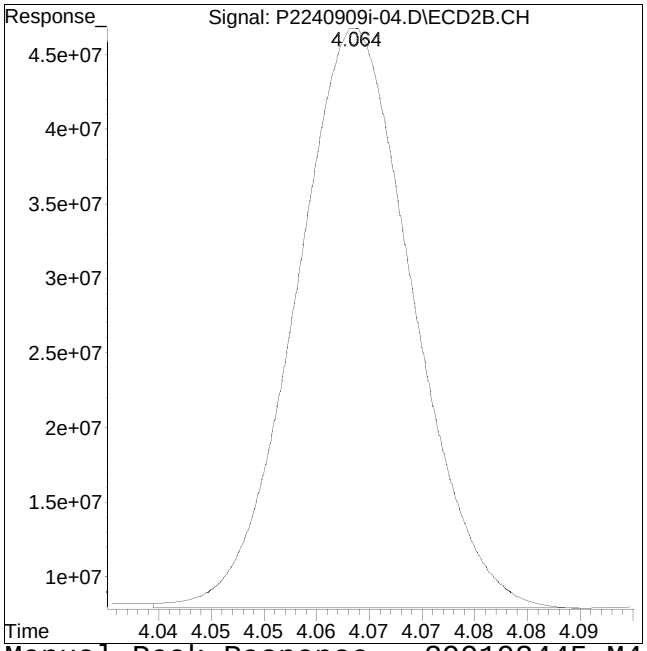
Original Peak Response = 408250974 Manual Peak Response = 367225346 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #82: 1268-3 #2



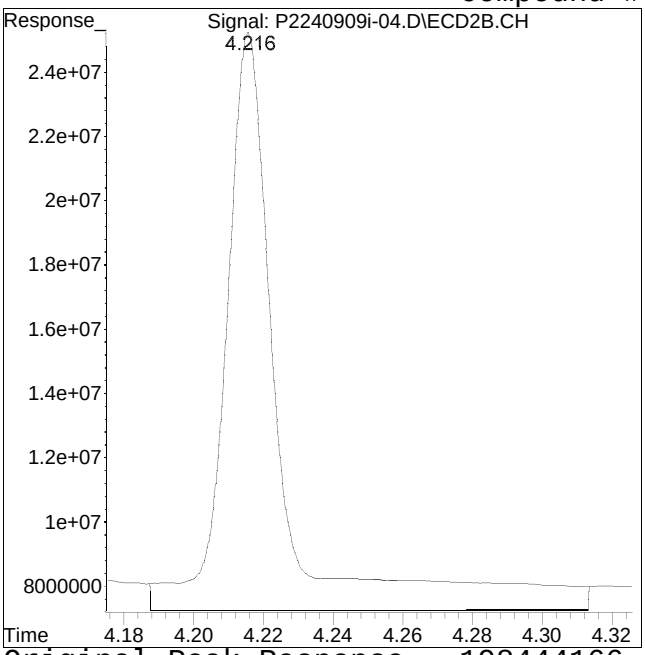


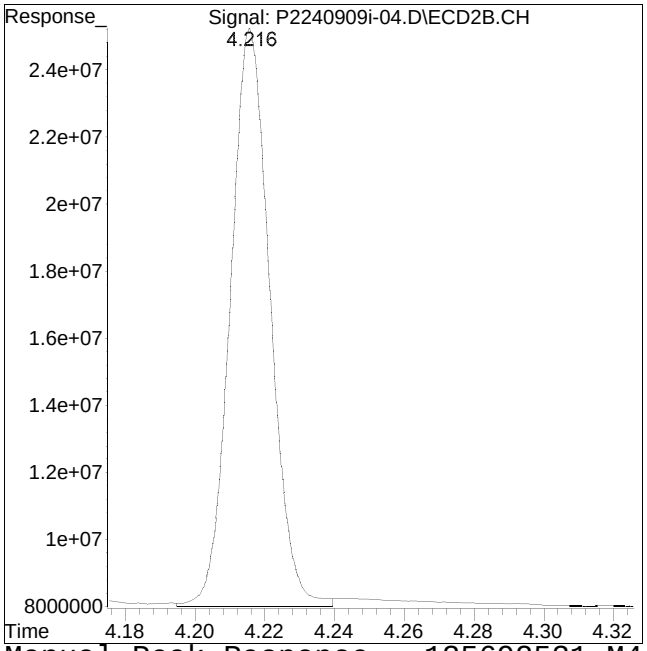
Original Peak Response = 317452817 Manual Peak Response = 299193445 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #83: 1268-4 #2



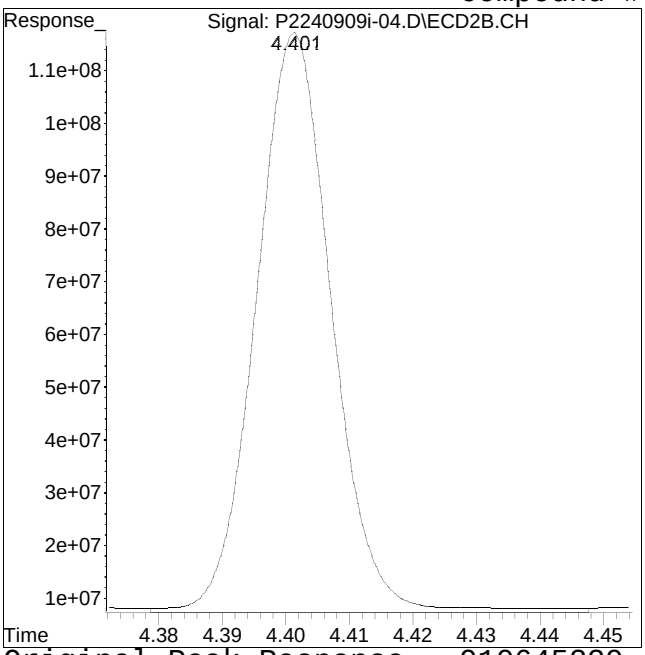


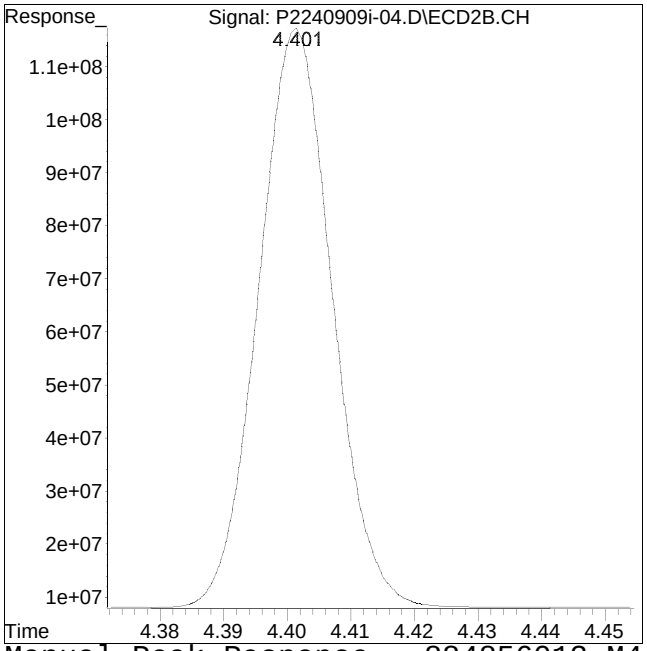
Original Peak Response = 198444166 Manual Peak Response = 135692531 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-04.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:01 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 9/10/2024 10:49 am

Compound #84: 1268-5 #2





Original Peak Response = 910645229 Manual Peak Response = 884856013 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:10
Operator : pest2:kb
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:46:25 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:46:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.188	1.254	154.5E6	173.8E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:10
Operator : pest2:kb
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:46:25 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:46:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:10
Operator : pest2:kb
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:46:25 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:46:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.608	1.824	50373918	62417495	204.385M4	260.409
42) l5	1232-2	1.748	1.995	49487057	66264322	195.210M4	260.409
43) l5	1232-3	1.936	2.196	98161947	121.5E6	225.907M4	260.409
44) l5	1232-4	1.991	2.256	41774749	48528562	233.008M4	260.409
45) l5	1232-5	2.344	2.643	30140834	40347092	108.305M3	260.409
Sum	1232-1			269.9E6	339.0E6	966.815	1302.046
Average	1232-1					193.363	260.409
46) l8	1262-1	2.835	3.179	145.9E6	161.5E6	250.000	260.409
47) l8	1262-2	3.026	3.412	216.7E6	215.8E6	250.000	260.409
48) l8	1262-3	3.150	3.570	165.1E6	202.4E6	250.000	260.409
49) l8	1262-4	3.306	3.700	360.4E6	367.5E6	250.000	260.409
50) l8	1262-5	3.780	4.216	105.8E6	130.7E6	250.000	225.064M4
Sum	1262-1			994.0E6	1078.0E6	1250.000	1266.702
Average	1262-1					250.000	253.340

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			994.0E6	1078.0E6	1250.000	1266.702
Average	1262-1					250.000	253.340

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:10
Operator : pest2:kb
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:46:25 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:46:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

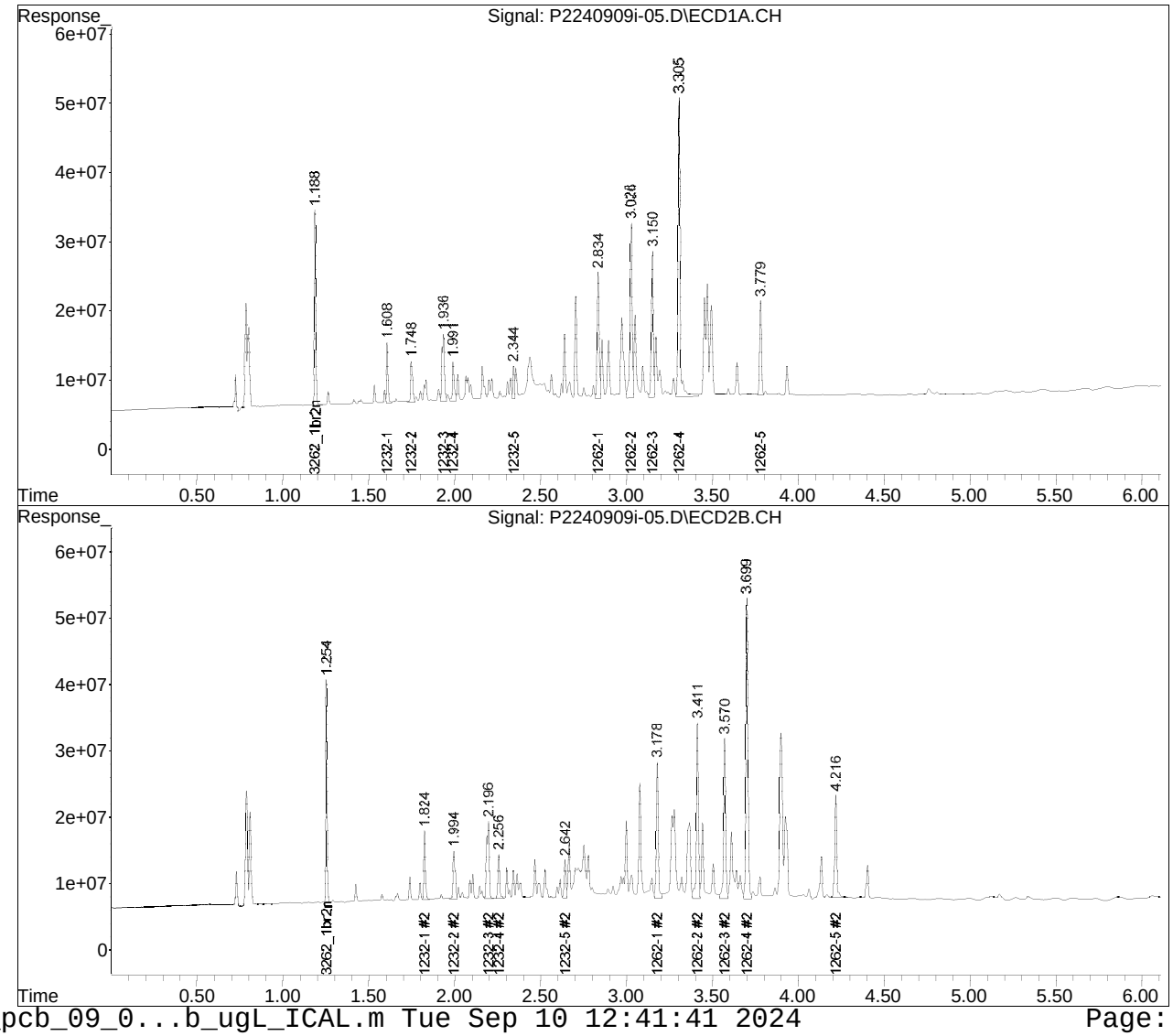
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:10
Operator : pest2:kb
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:46:25 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:46:17 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

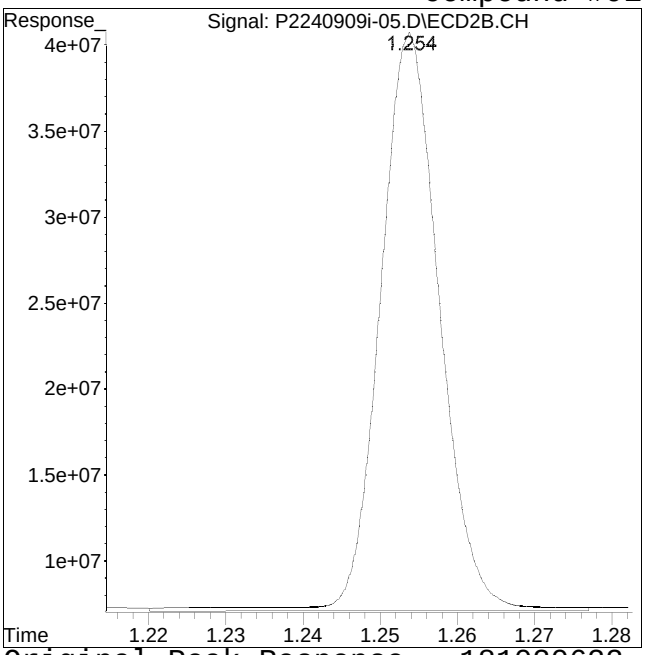
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

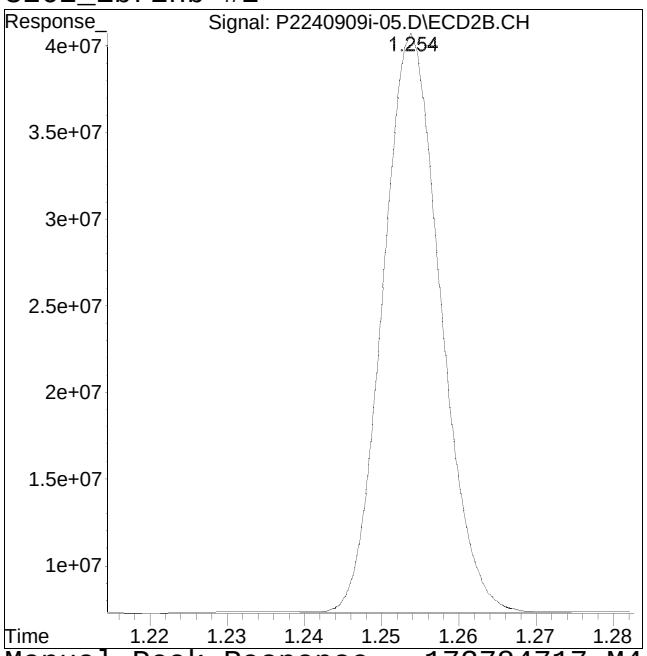


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #91: 3262_1br2nb #2



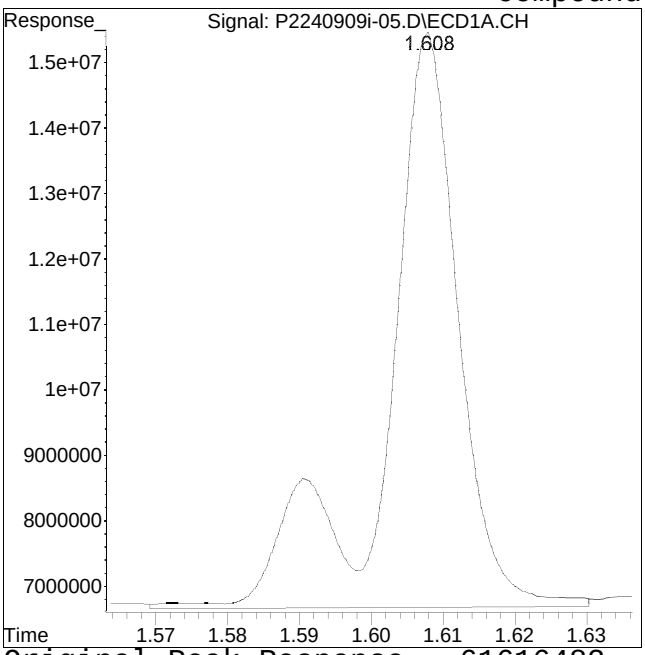


Original Peak Response = 181020622 Manual Peak Response = 173784717 M4
M4 = Poor automated baseline construction.

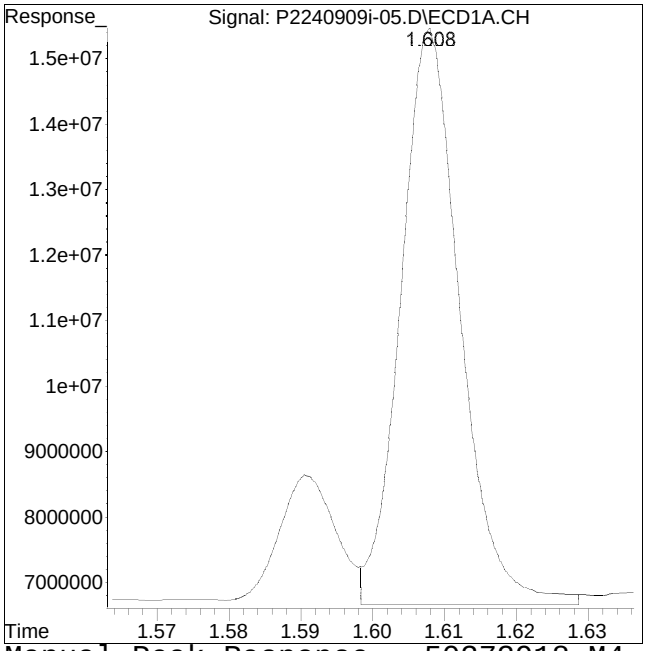
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #41: 1232-1



Original Peak Response = 61616482



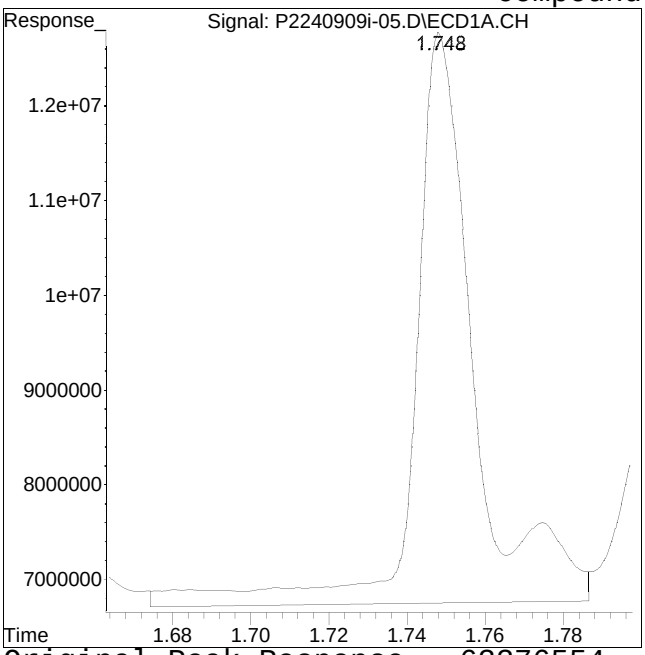
Manual Peak Response = 50373918 M4

M4 = Poor automated baseline construction.

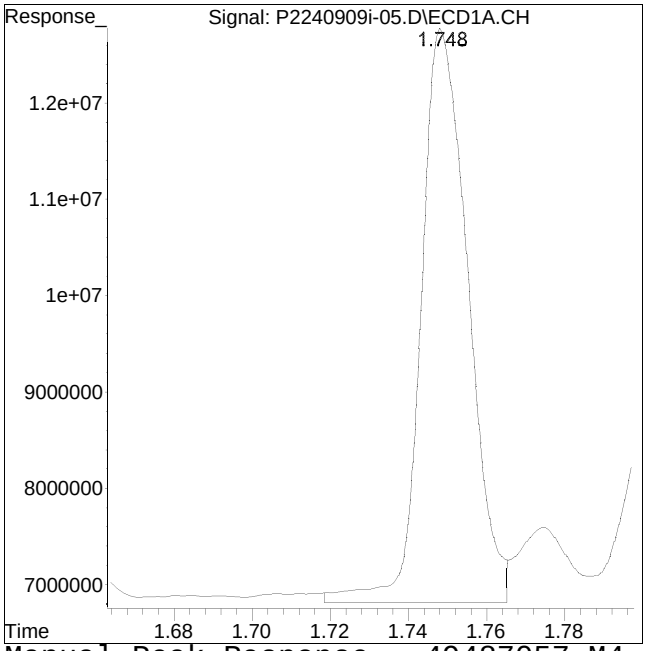
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #42: 1232-2



Original Peak Response = 63376554



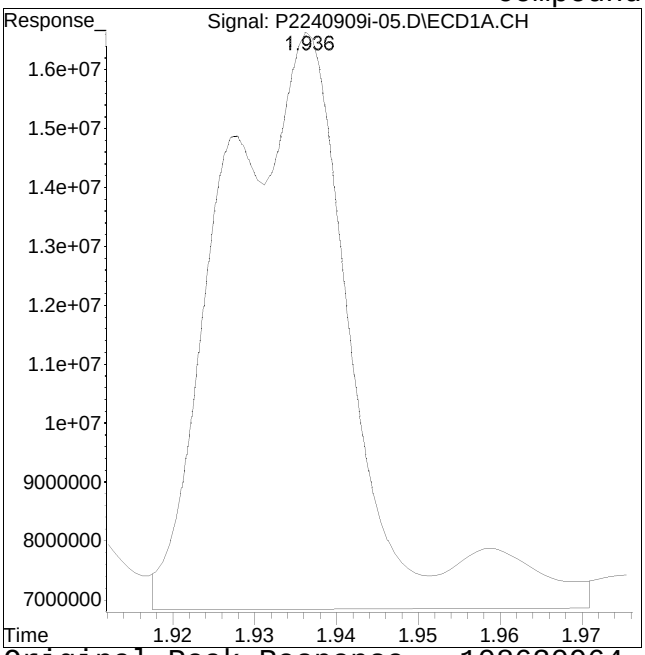
Manual Peak Response = 49487057 M4

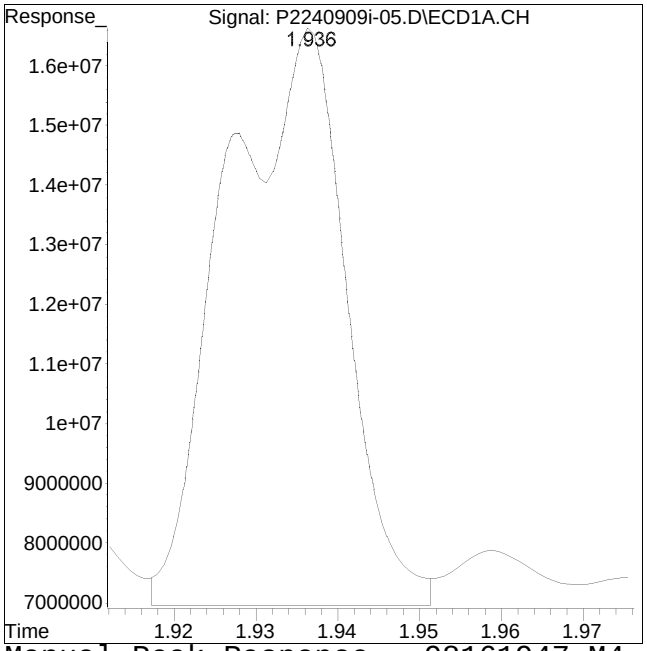
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #43: 1232-3



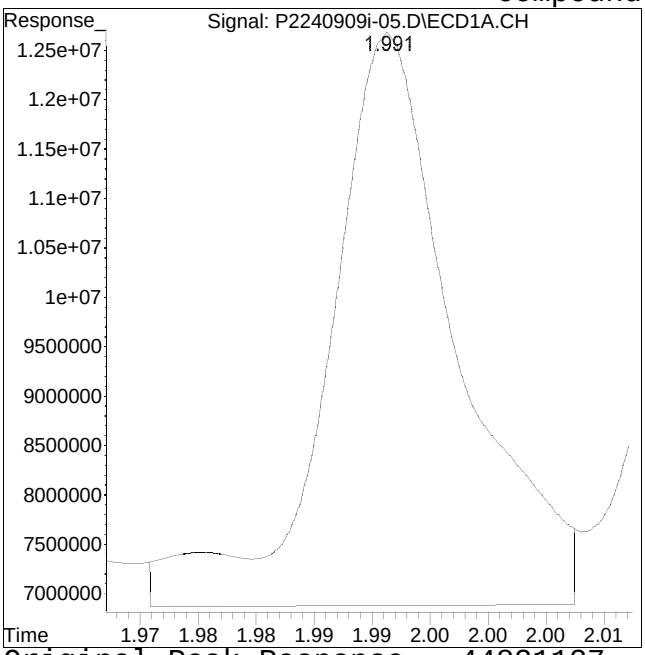


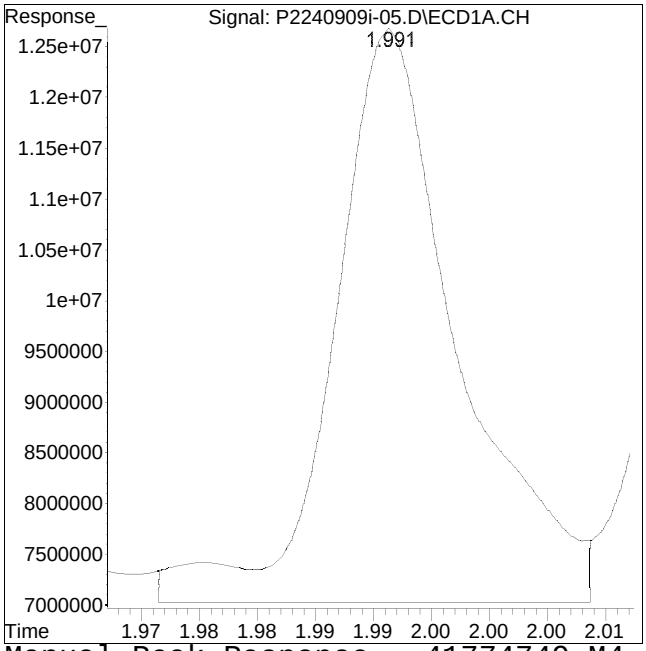
Original Peak Response = 108630964 Manual Peak Response = 98161947 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #44: 1232-4



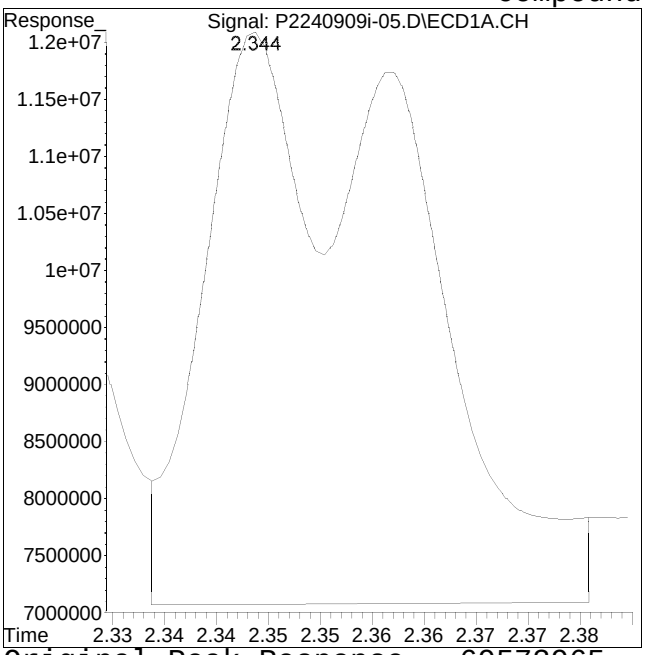


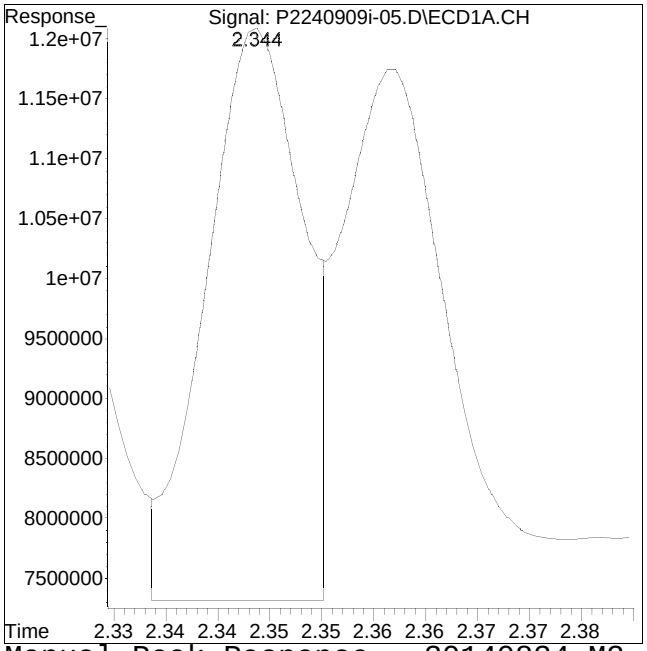
Original Peak Response = 44821127 Manual Peak Response = 41774749 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #45: 1232-5



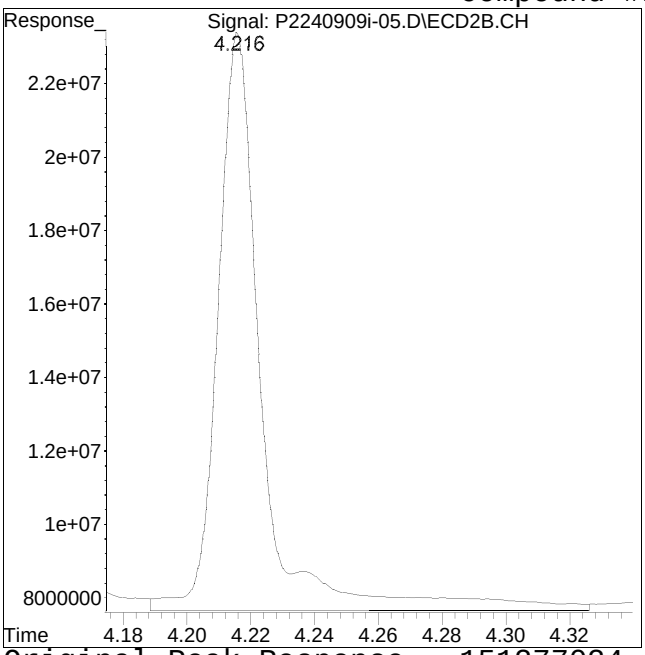


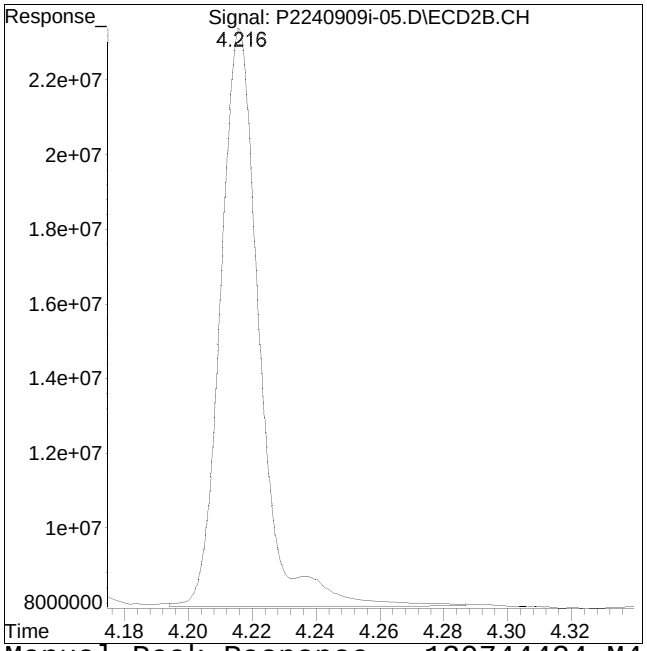
Original Peak Response = 69573965 Manual Peak Response = 30140834 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-05.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:10 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 9/10/2024 10:46 am

Compound #101: 1262-5 #2





Original Peak Response = 151277024 Manual Peak Response = 130744424 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:19
Operator : pest2:kb
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:43:34 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:43:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.188	1.254	157.0E6	175.1E6	25.000M4	25.000M4
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:19
Operator : pest2:kb
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:43:34 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:43:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.928	2.187	110.1E6	138.1E6	249.547M4	500.551M1
36) l7	1248-2	2.065	2.341	138.0E6	92517024	417.777M1	254.494M4
37) l7	1248-3	2.161	2.467	128.7E6	125.2E6	242.298M4	251.193M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:19
Operator : pest2:kb
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:43:34 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:43:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	2.344	2.642	116.1E6	136.0E6	271.997M4	252.899M4
39) l7	1248-5	2.357	2.665	102.0E6	161.7E6	247.058M4	255.902M4
Sum	1248-1			594.8E6	653.5E6	NoCal	NoCal D
Average	1248-1					285.735	303.007
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:19
Operator : pest2:kb
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:43:34 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:43:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

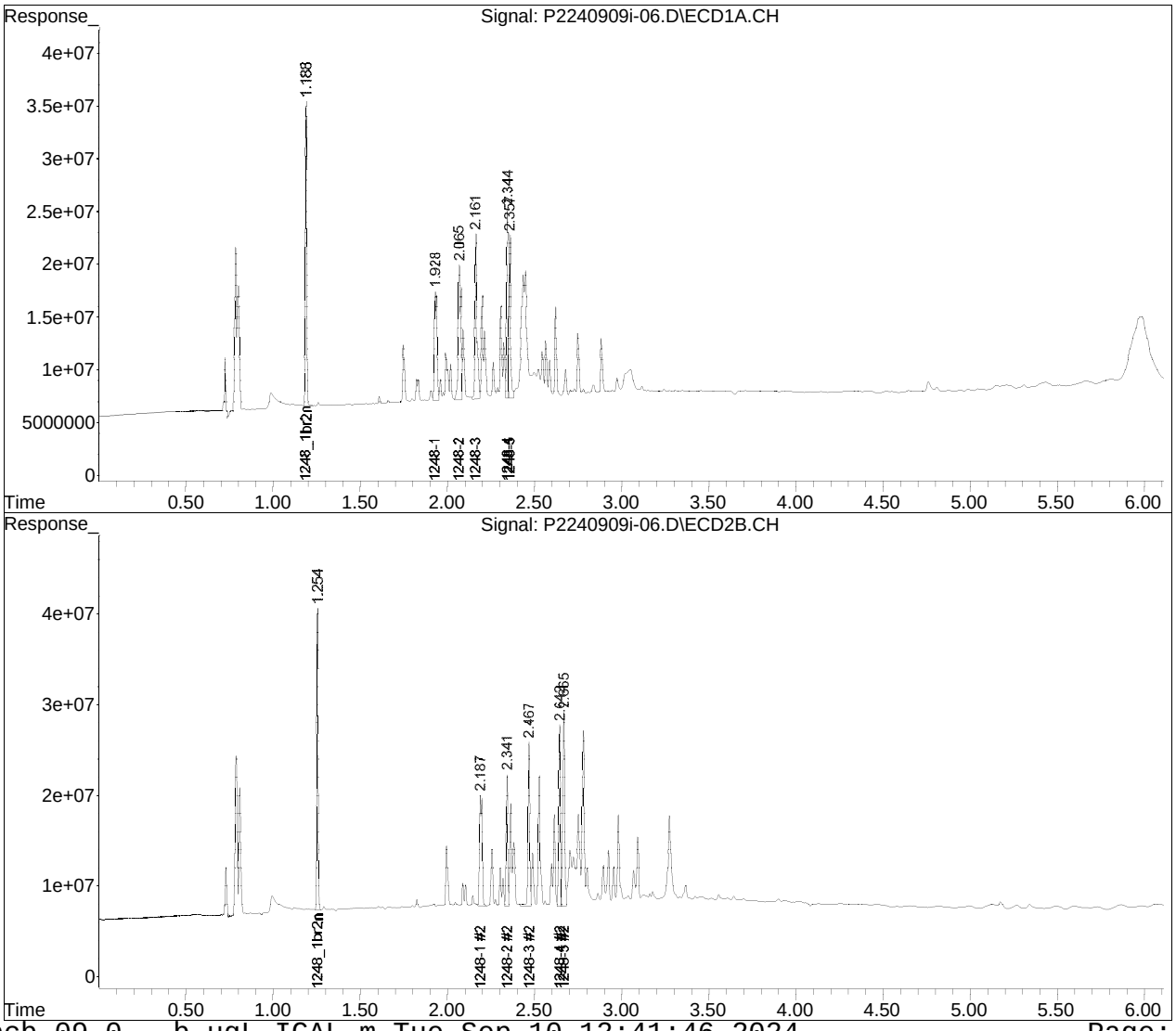
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:19
Operator : pest2:kb
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:43:34 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:43:23 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

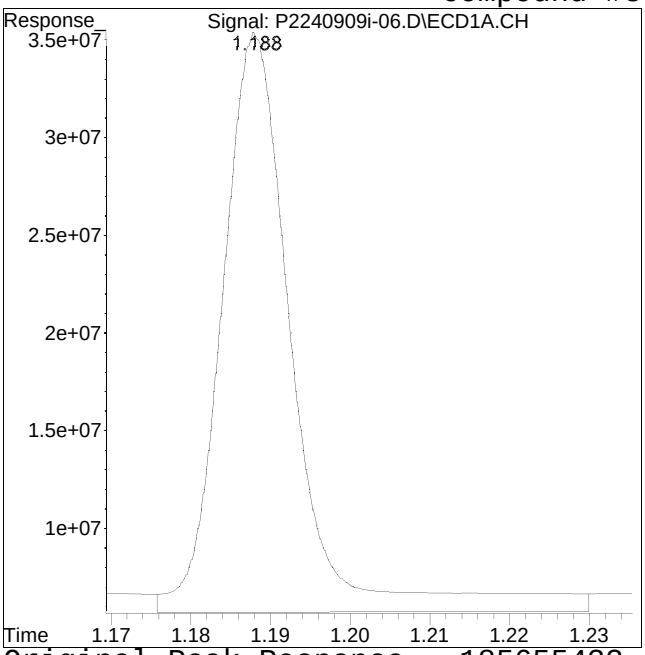
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

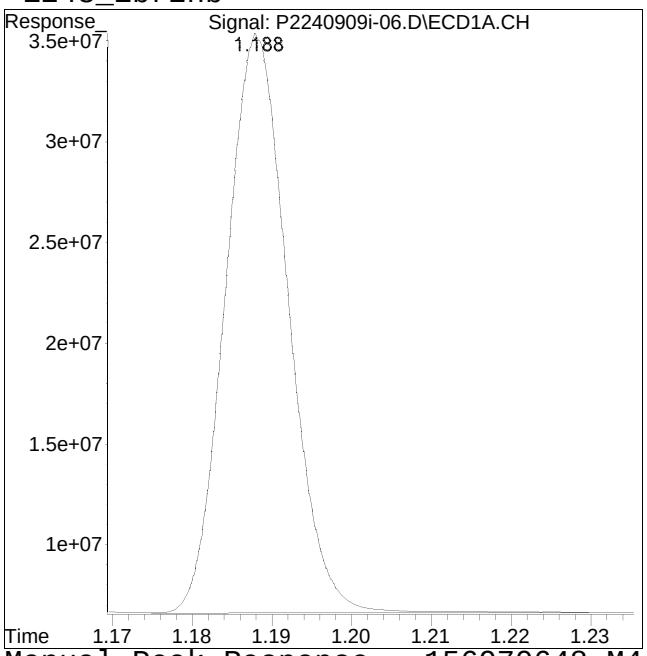


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #34: 1248_1br2nb



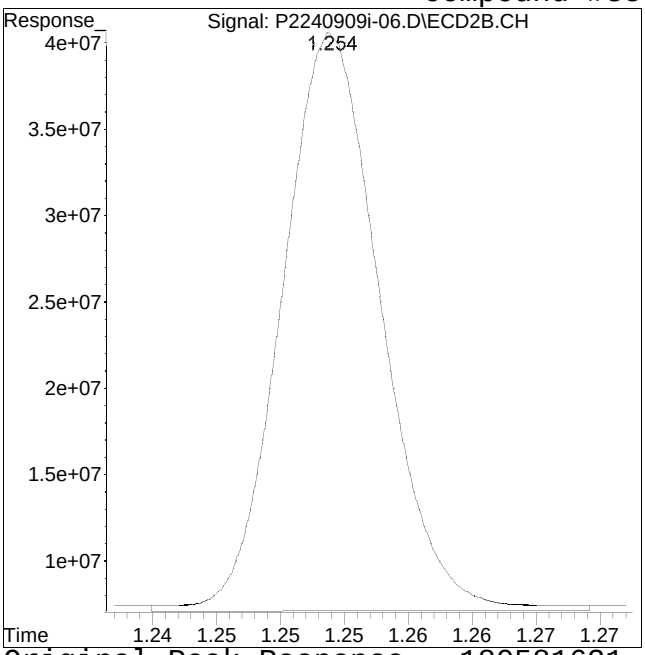


Original Peak Response = 185655433 Manual Peak Response = 156970648 M4
M4 = Poor automated baseline construction.

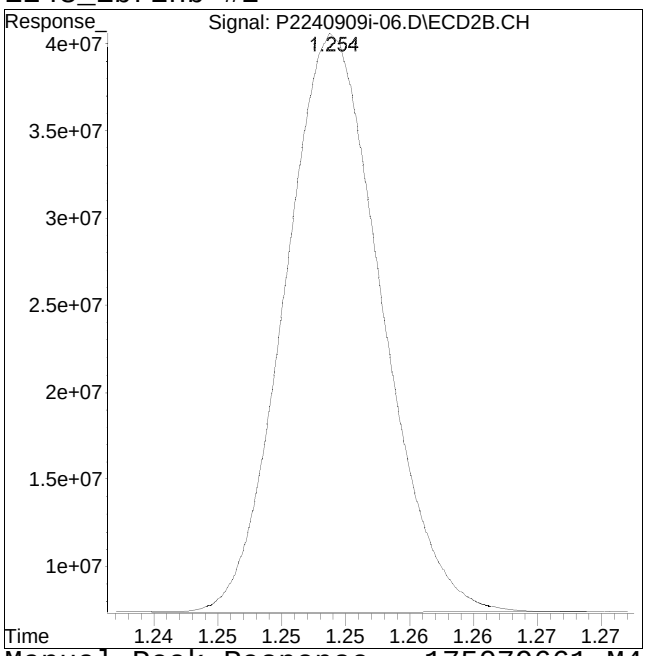
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #85: 1248_1br2nb #2



Original Peak Response = 180581631



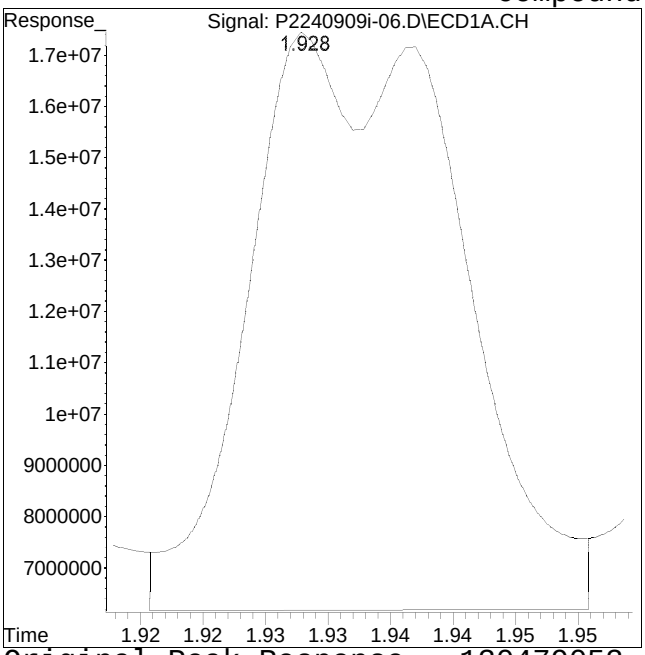
Manual Peak Response = 175079661 M4

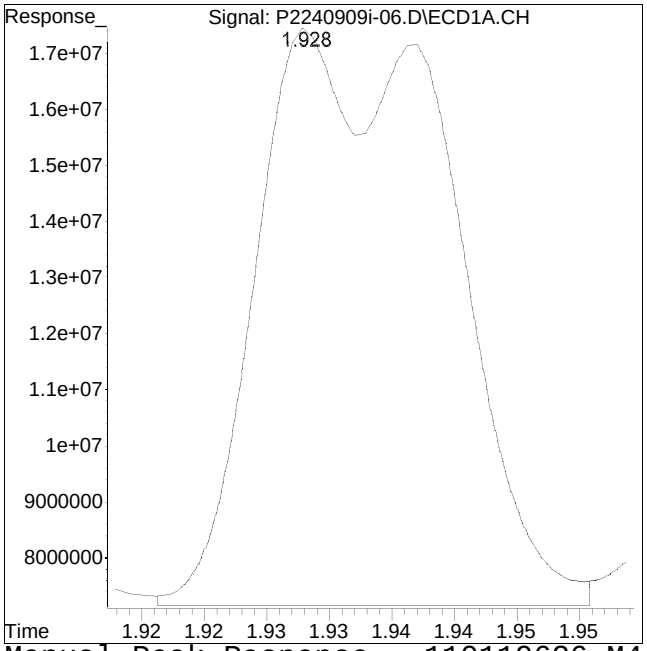
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #35: 1248-1



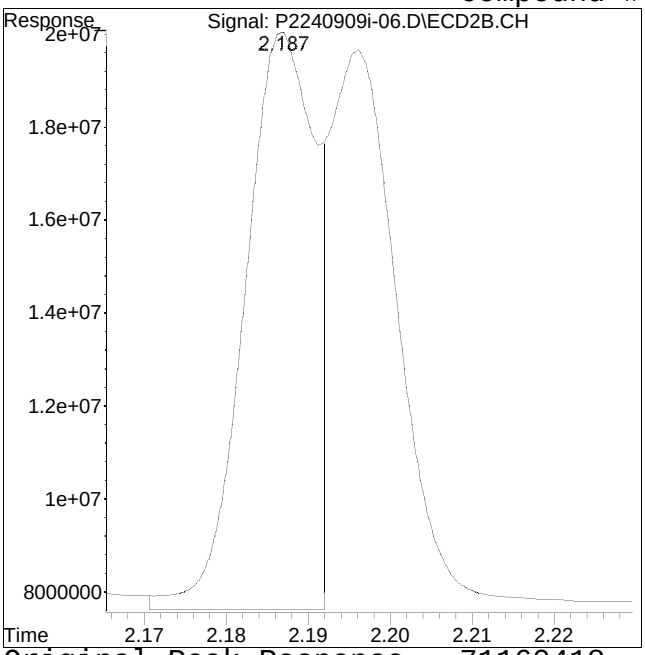


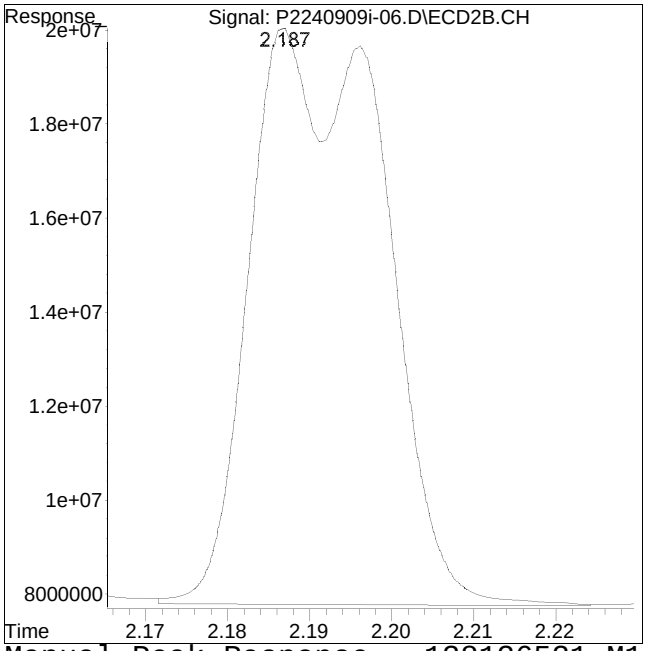
Original Peak Response = 130479053 Manual Peak Response = 110119626 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #86: 1248-1 #2



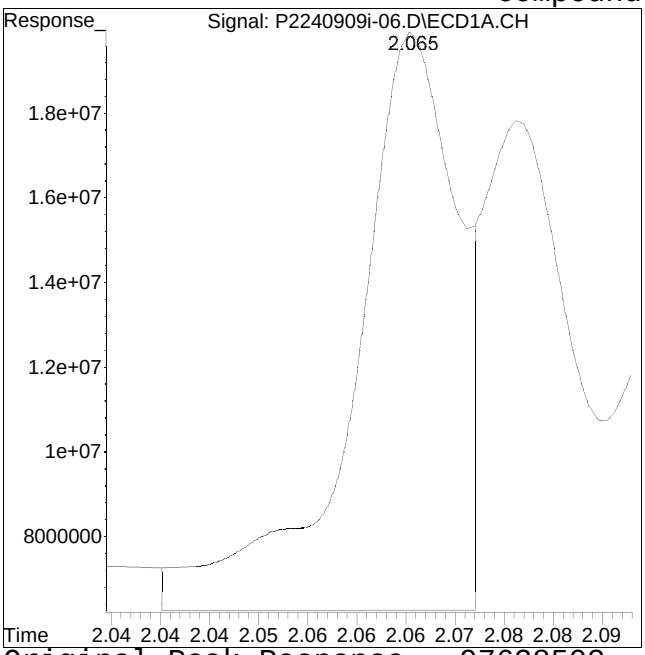


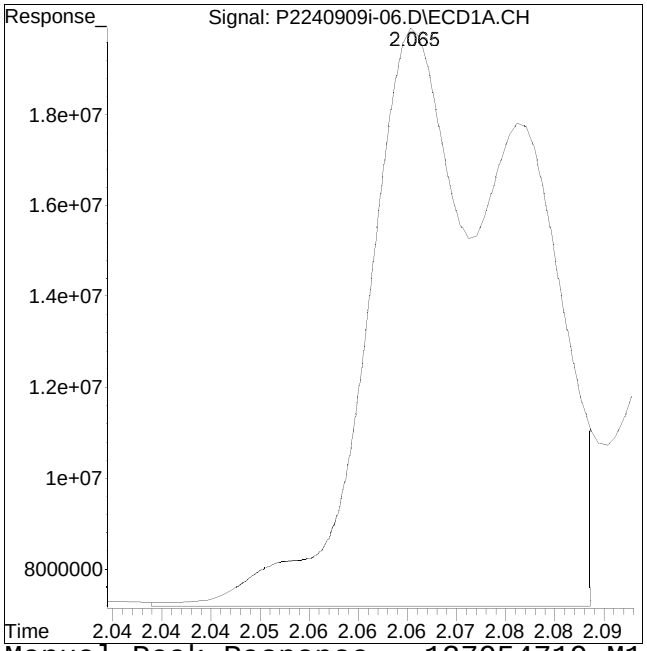
Original Peak Response = 71160418 Manual Peak Response = 138136531 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #36: 1248-2



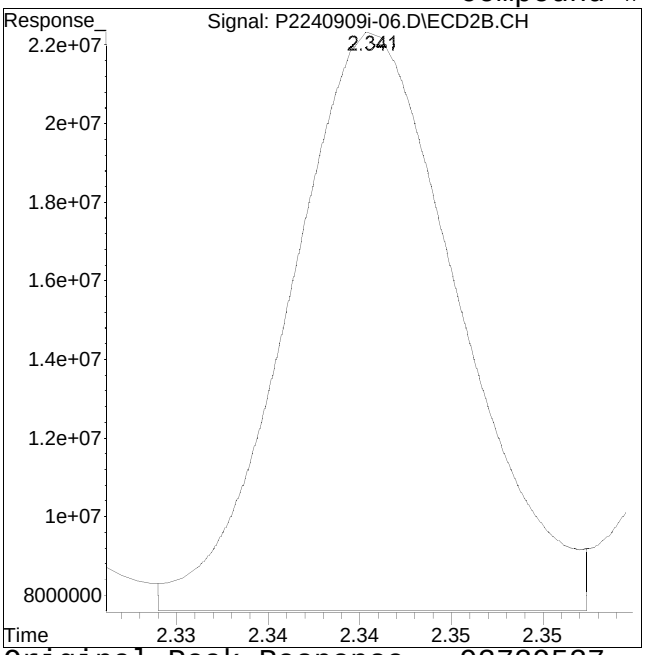


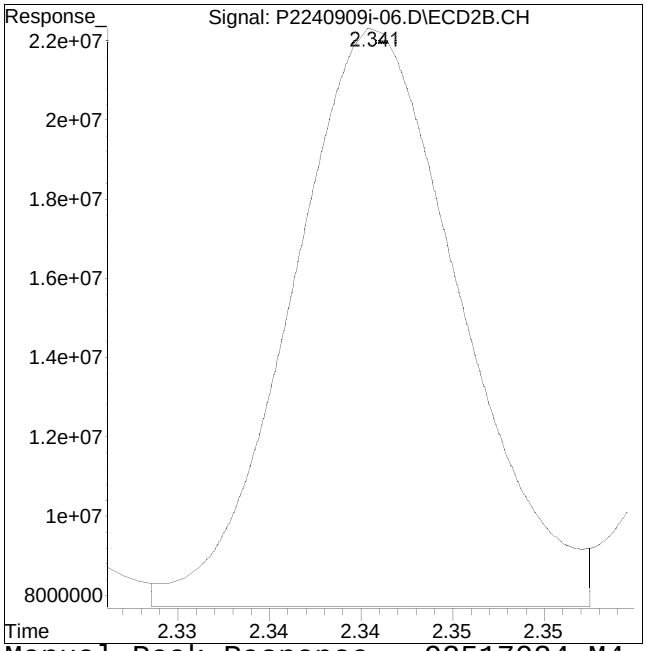
Original Peak Response = 97638592 Manual Peak Response = 137954719 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #87: 1248-2 #2



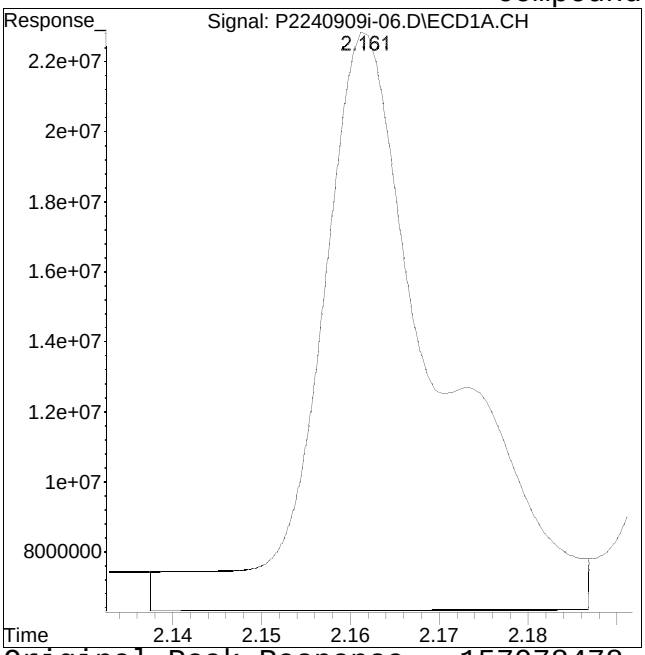


Original Peak Response = 93739537 Manual Peak Response = 92517024 M4
M4 = Poor automated baseline construction.

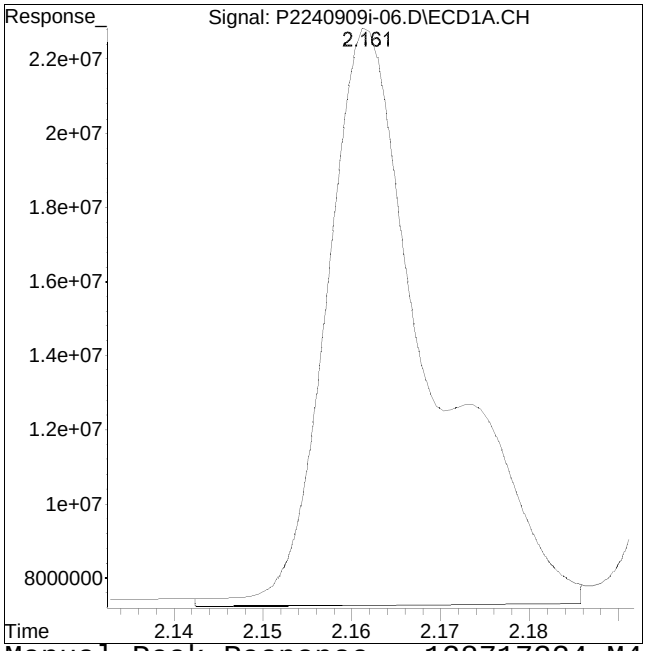
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #37: 1248-3



Original Peak Response = 157078478



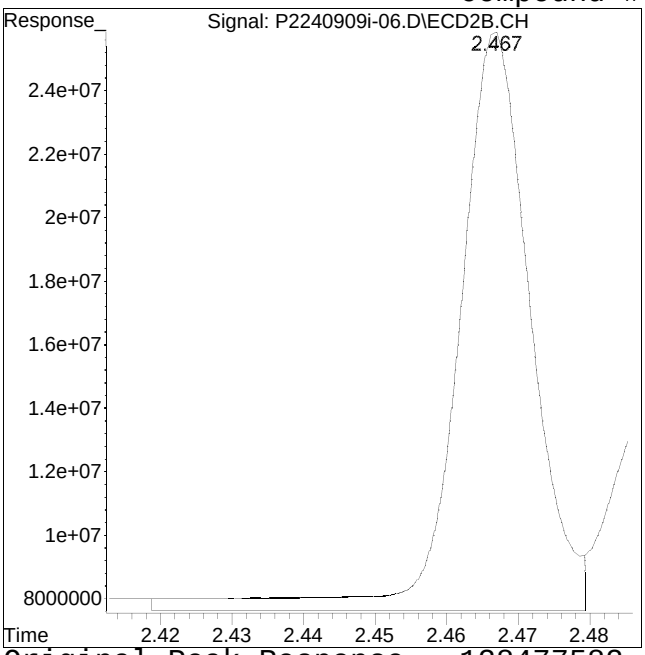
Manual Peak Response = 128717324 M4

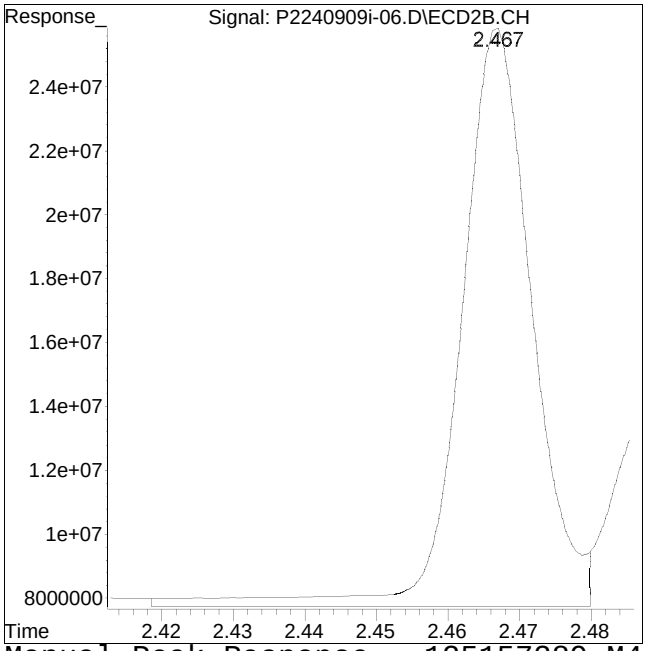
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #88: 1248-3 #2



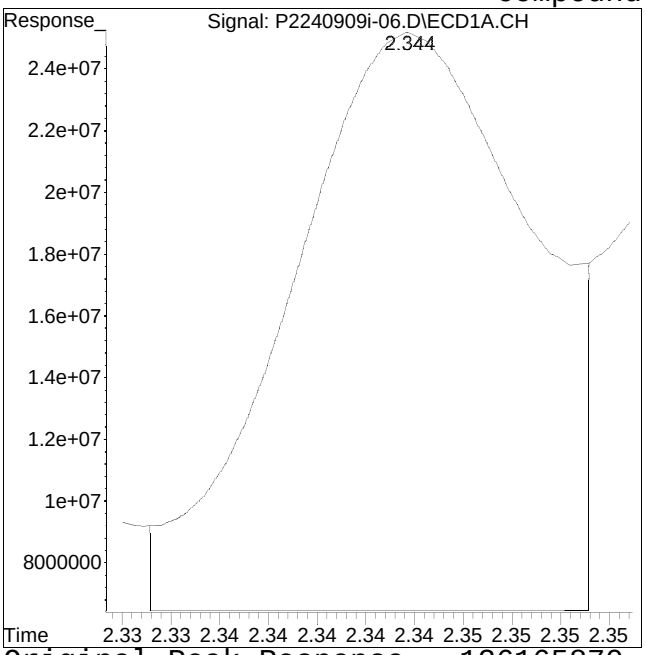


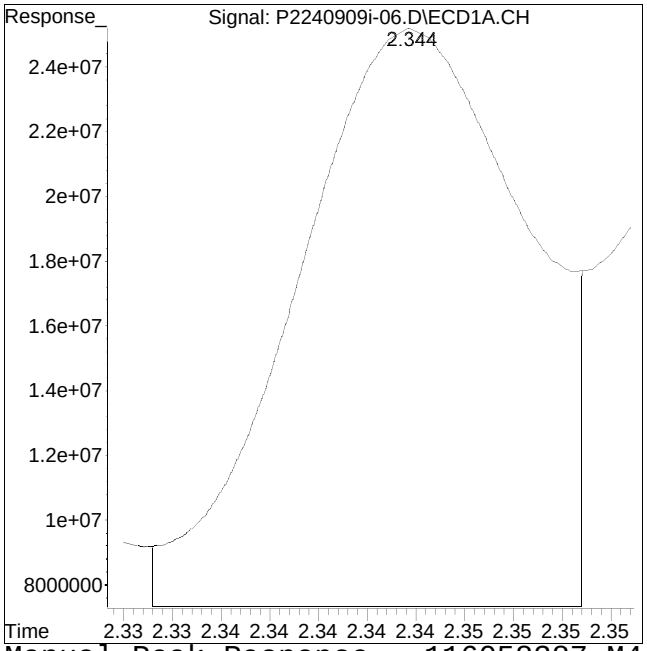
Original Peak Response = 128477582 Manual Peak Response = 125157289 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #38: 1248-4



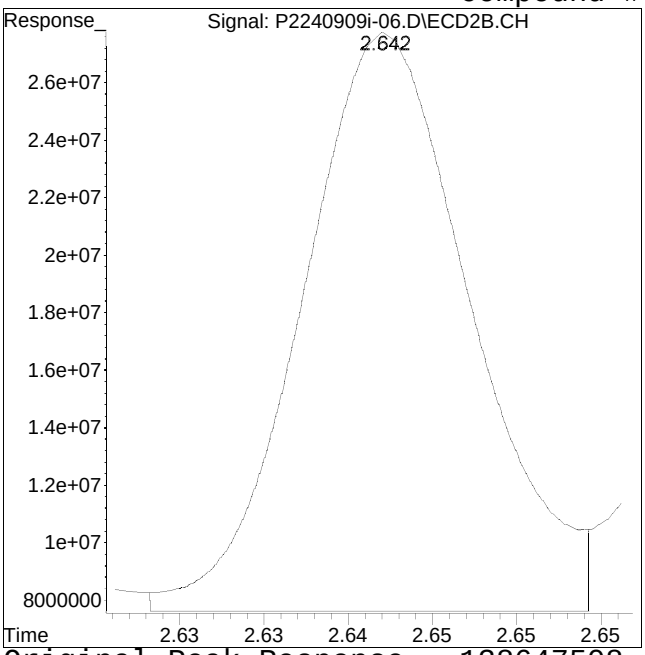


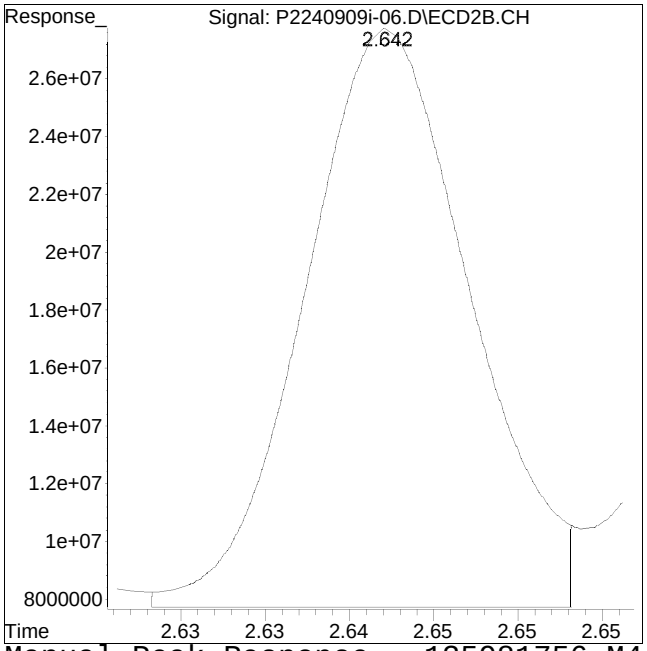
Original Peak Response = 126165870 Manual Peak Response = 116058387 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #89: 1248-4 #2



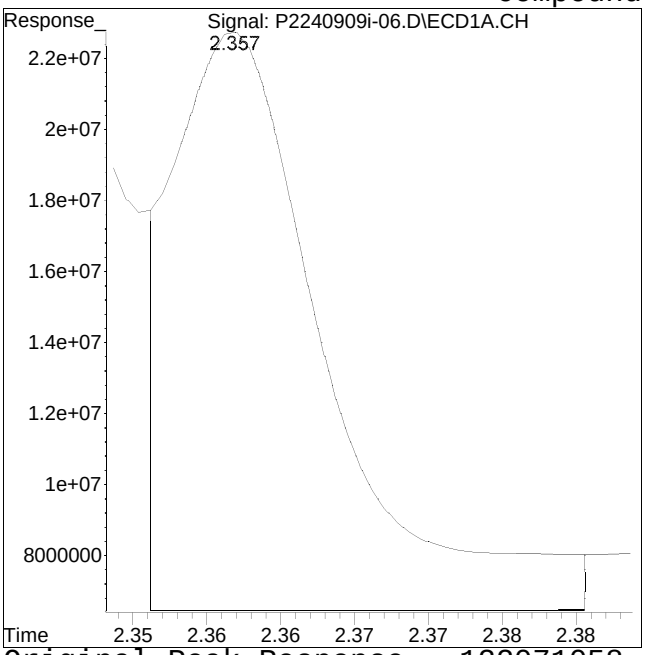


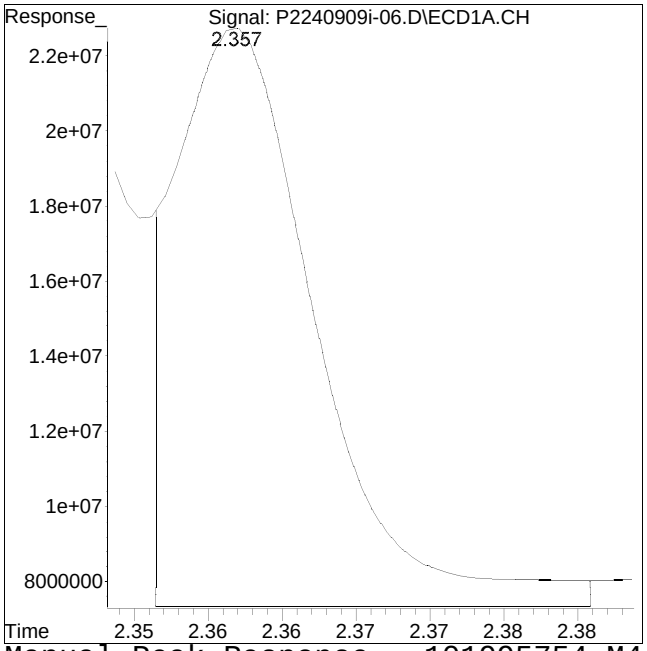
Original Peak Response = 138647508 Manual Peak Response = 135981756 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #39: 1248-5



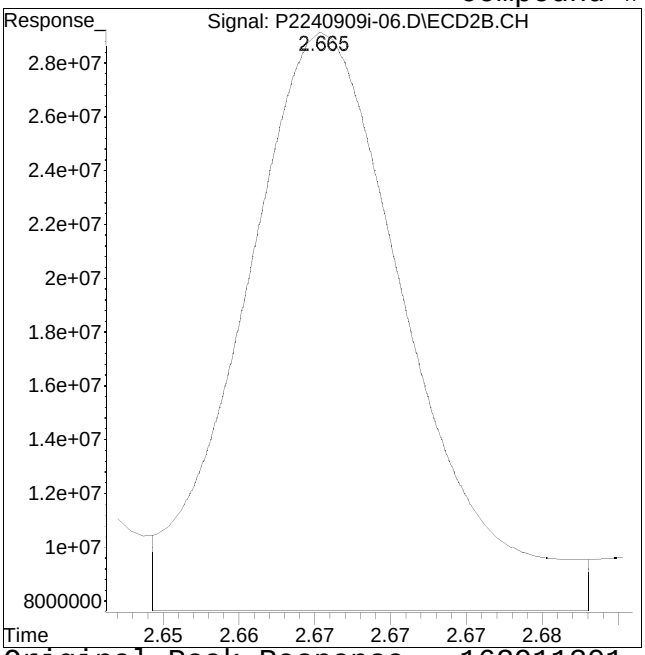


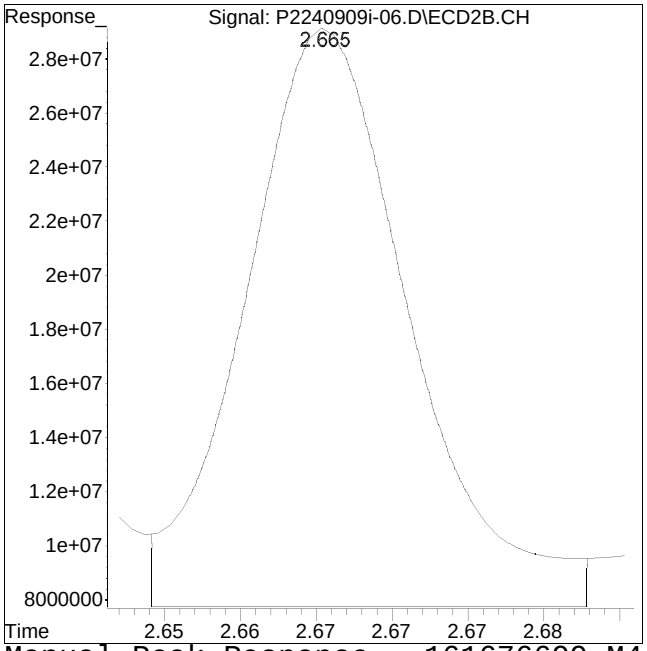
Original Peak Response = 122071058 Manual Peak Response = 101995754 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-06.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:19 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 9/10/2024 10:43 am

Compound #90: 1248-5 #2





Original Peak Response = 162911301 Manual Peak Response = 161676699 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:29
Operator : pest2:kb
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:39:54 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:39:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.189	1.254	160.8E6	171.9E6	25.000	25.000M4
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.533	1.739	31597374	37889070	250.000	174.133M4

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:29
Operator : pest2:kb
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:39:54 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:39:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	1.592	1.798	17904656	24167812	250.000	186.626M4
17) l3	1221-4	1.609	1.824	72571080	87671083	250.000	242.121M4
Sum	1221-2			122.1E6	149.7E6	750.000	602.881
Average	1221-2					250.000	200.960
18) l4	1254-1	2.326	2.664	104.8E6	146.9E6	250.000	264.122M4
19) l4	1254-2	2.438	2.751	212.2E6	222.3E6	250.000	267.213M4
20) l4	1254-3	2.622	2.981	184.0E6	242.4E6	250.000	260.625M4
21) l4	1254-4	2.751	3.092	143.4E6	166.1E6	250.000	255.365M4
22) l4	1254-5	2.973	3.368	203.5E6	224.6E6	250.000	258.776M4
Sum	1254-1			847.9E6	1002.4E6	NoCal	NoCal D
Average	1254-1					250.000	261.220
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:29
Operator : pest2:kb
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:39:54 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:39:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:29
Operator : pest2:kb
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:39:54 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:39:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

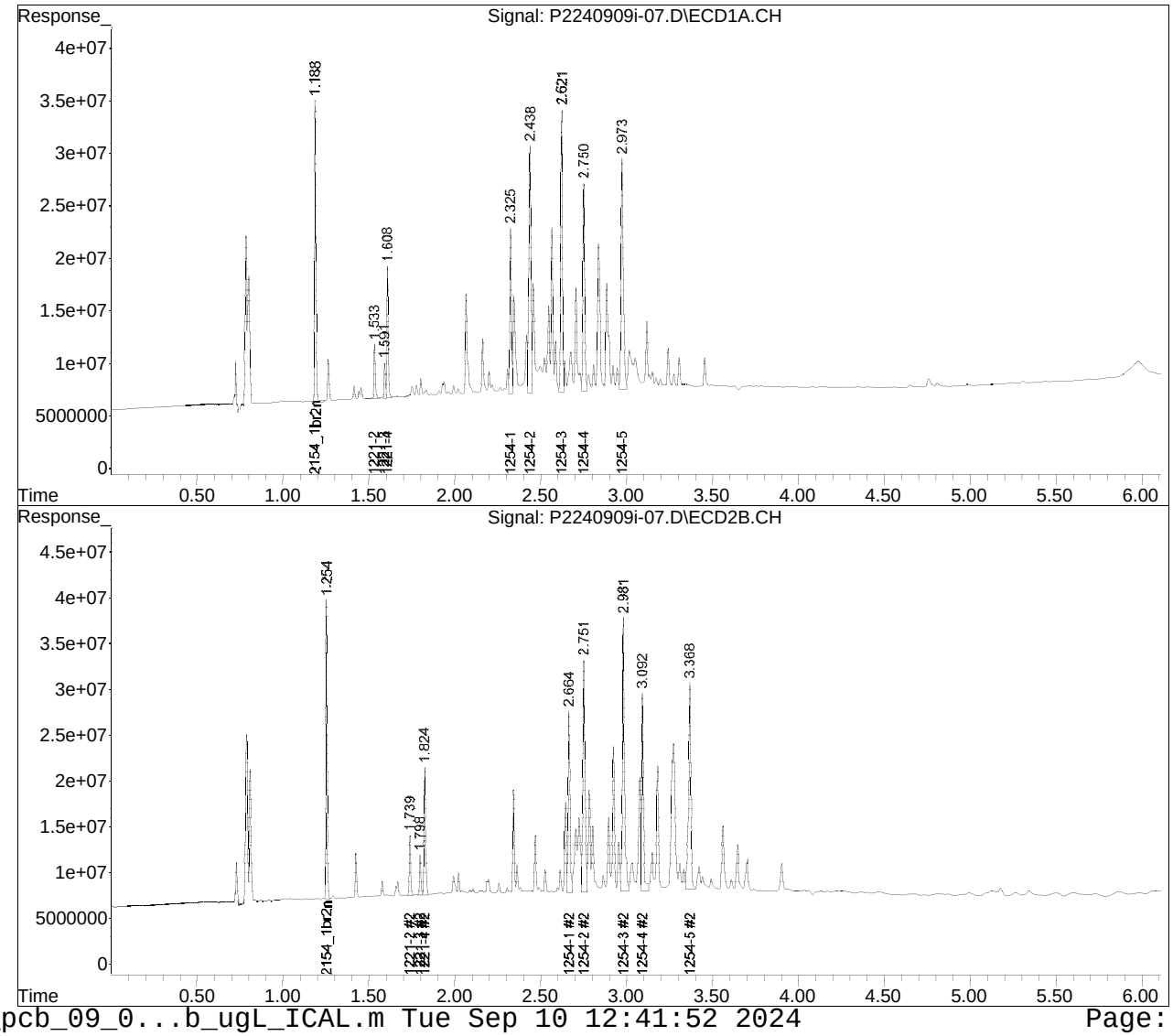
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:29
Operator : pest2:kb
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:39:54 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:39:46 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

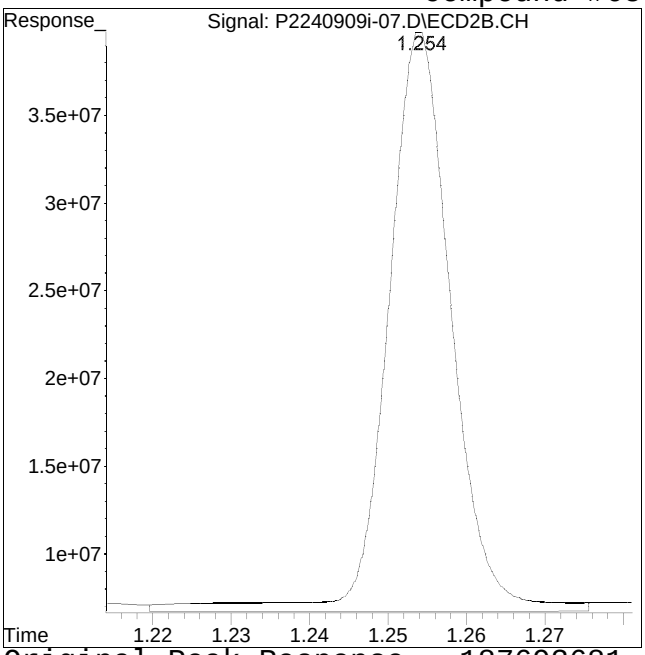
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

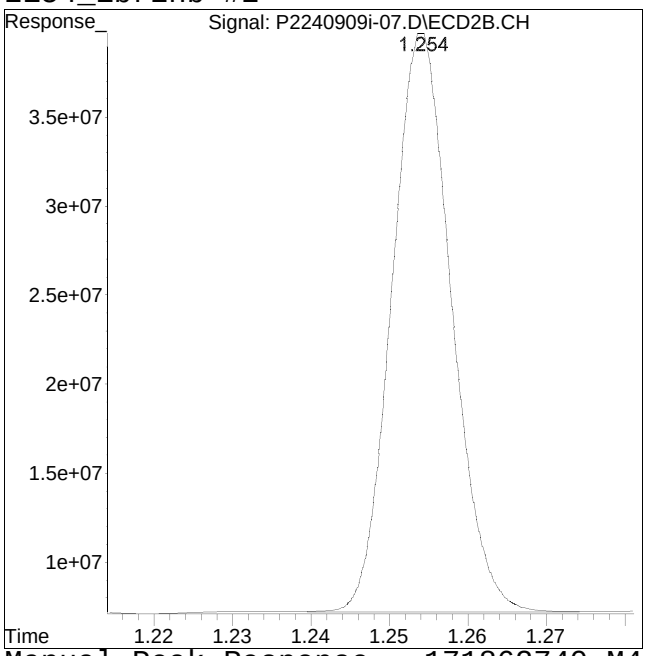


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #65: 2154_1br2nb #2



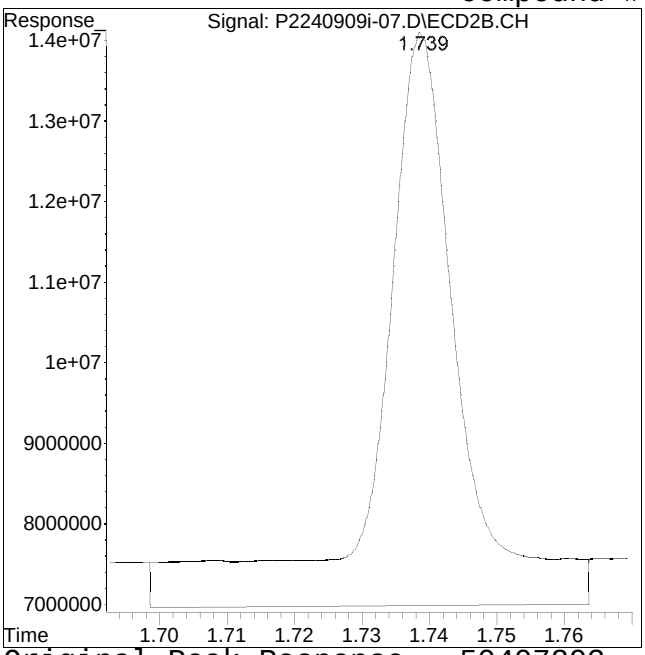


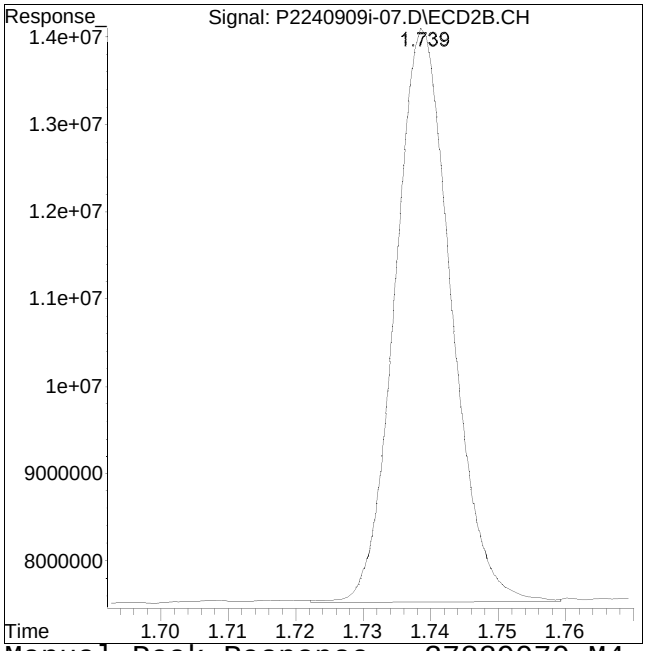
Original Peak Response = 187693681 Manual Peak Response = 171862740 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #66: 1221-2 #2



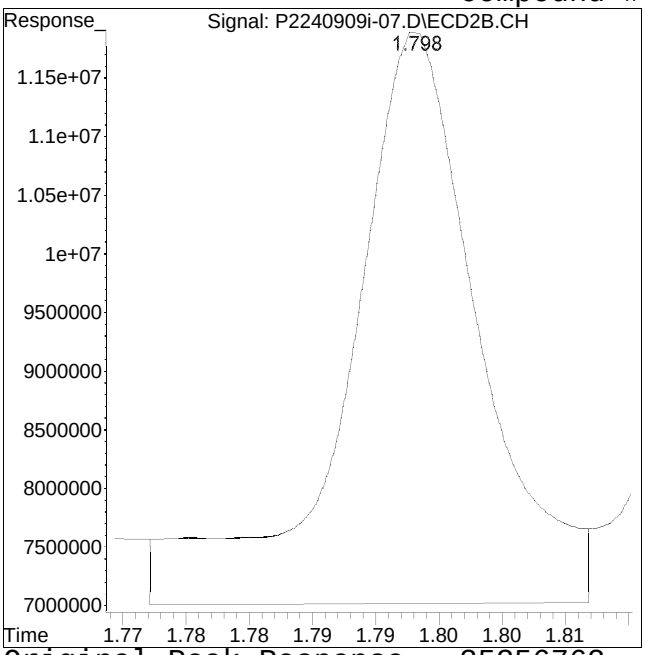


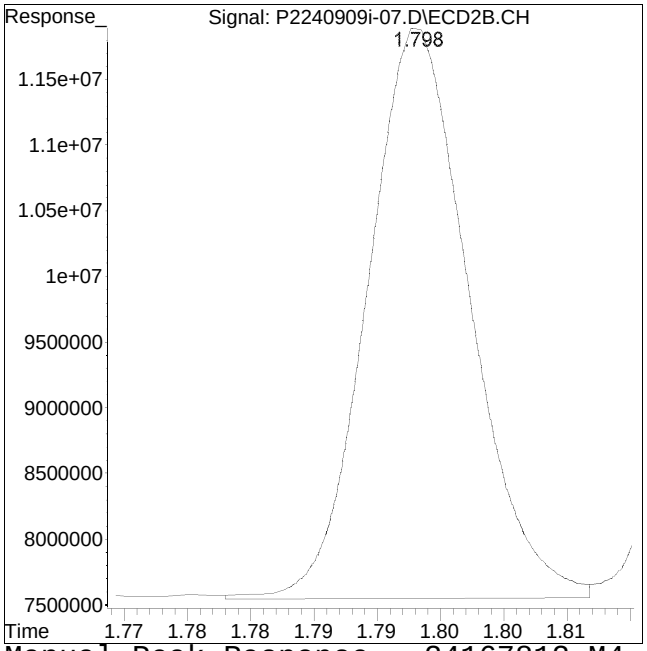
Original Peak Response = 59407293 Manual Peak Response = 37889070 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #67: 1221-3 #2



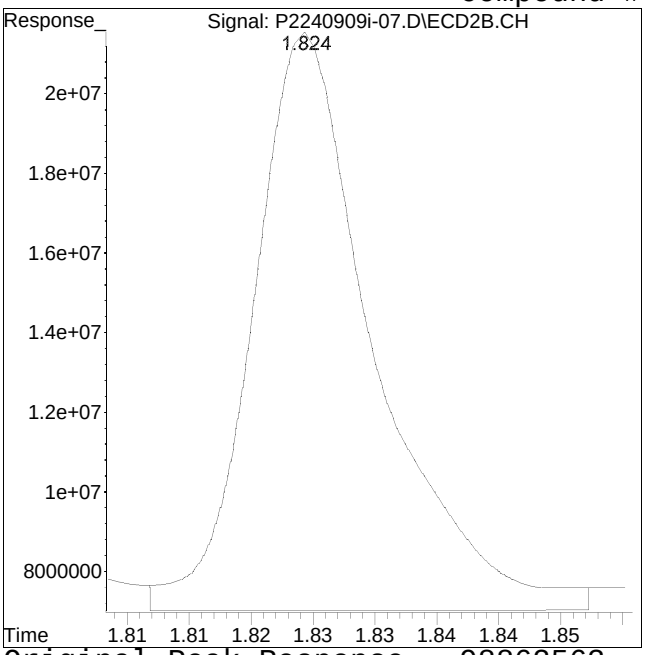


Original Peak Response = 35356762 Manual Peak Response = 24167812 M4
M4 = Poor automated baseline construction.

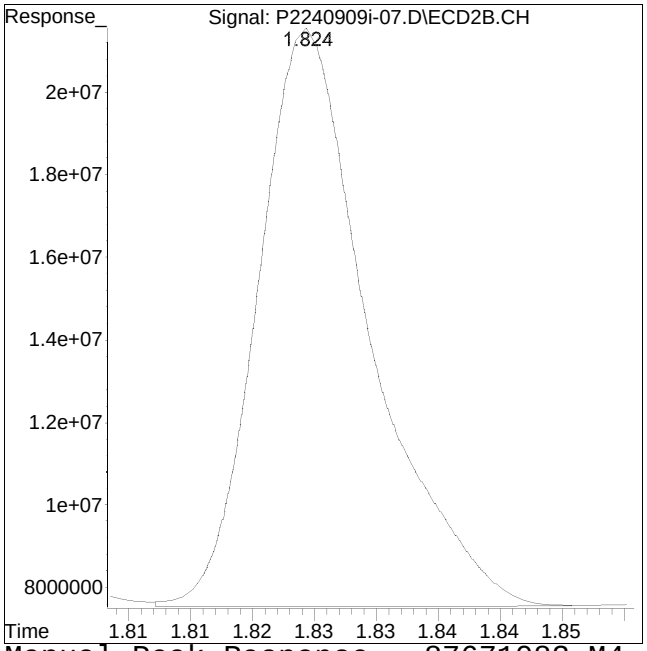
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #68: 1221-4 #2



Original Peak Response = 98862563



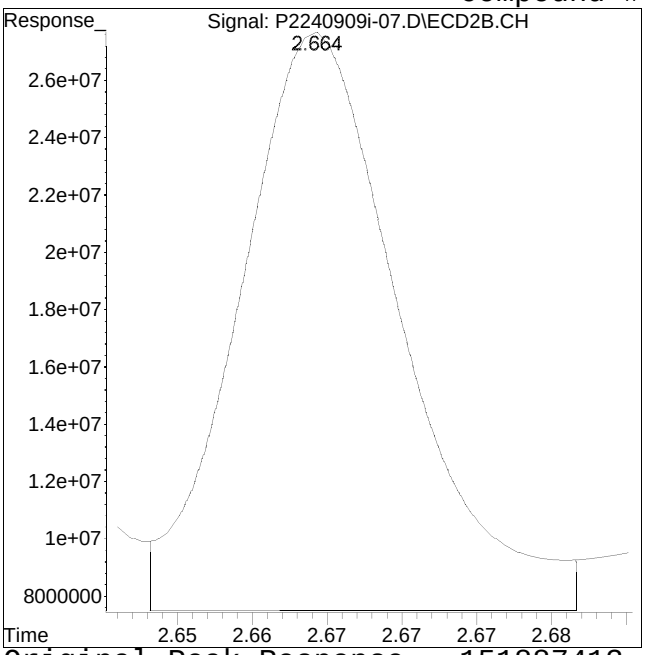
Manual Peak Response = 87671083 M4

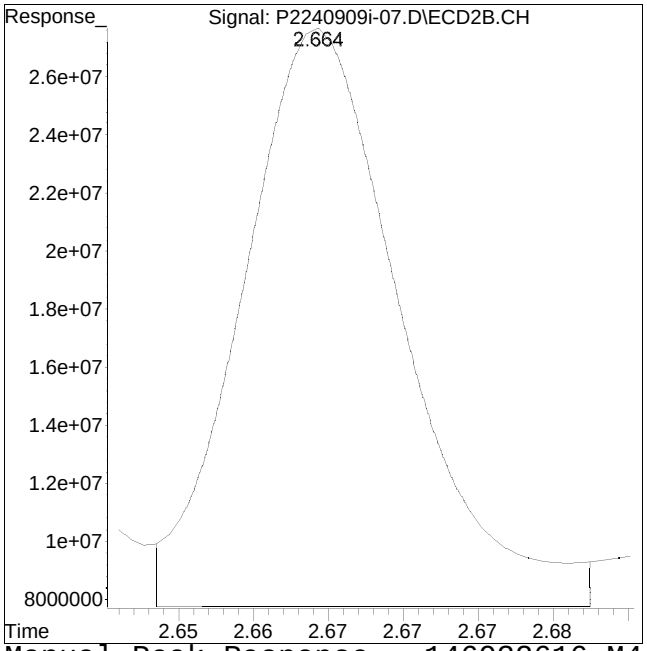
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #69: 1254-1 #2



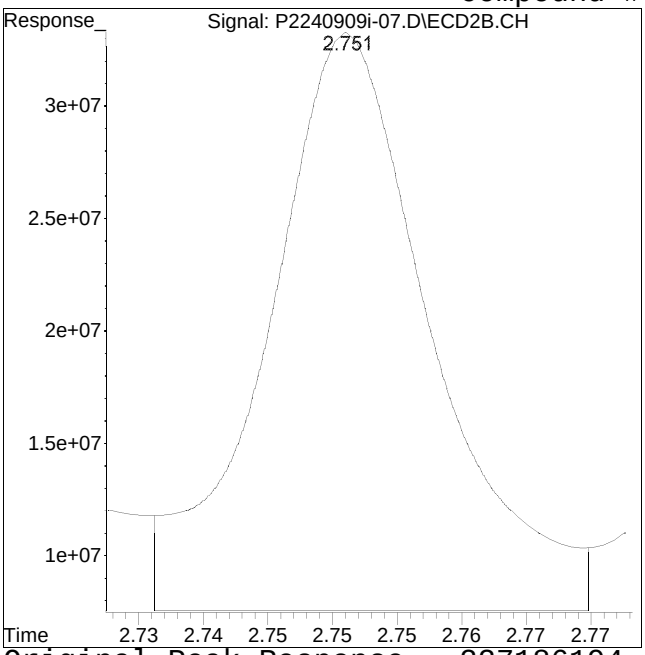


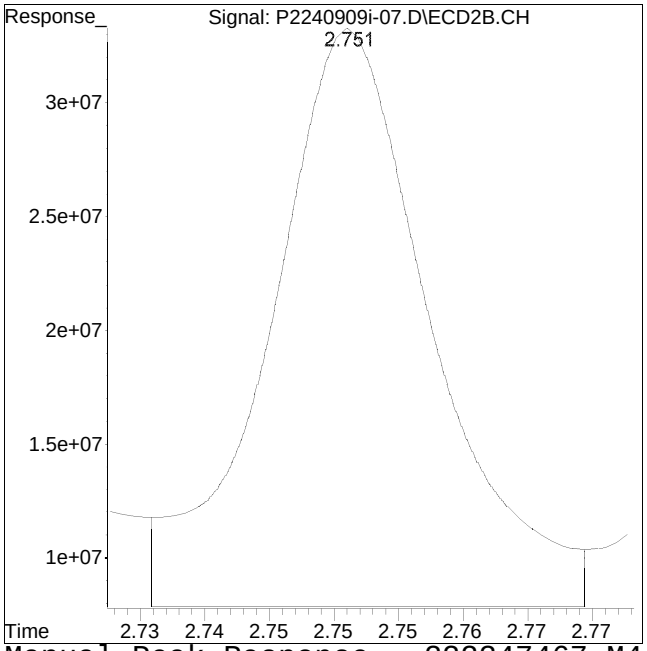
Original Peak Response = 151887413 Manual Peak Response = 146932616 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #70: 1254-2 #2



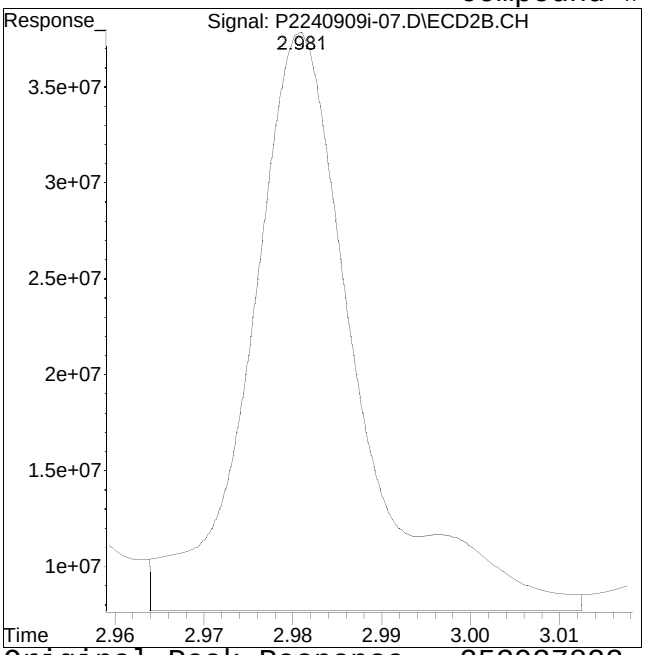


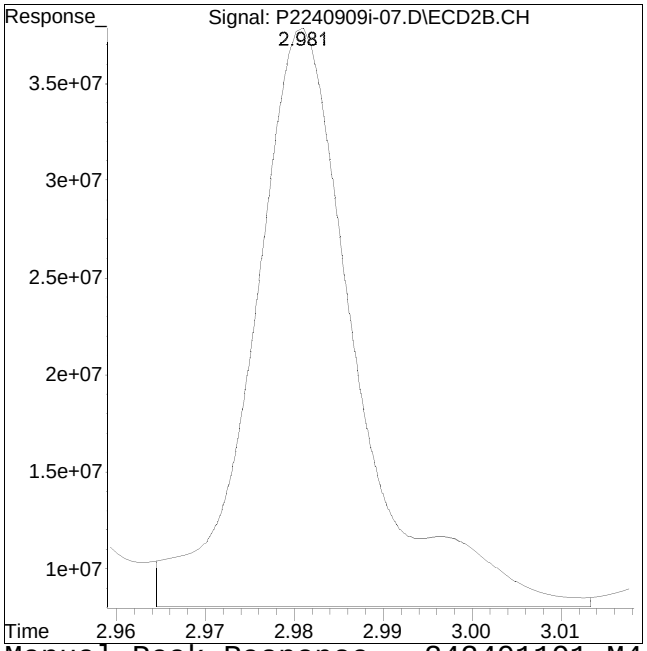
Original Peak Response = 227186194 Manual Peak Response = 222347467 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #71: 1254-3 #2



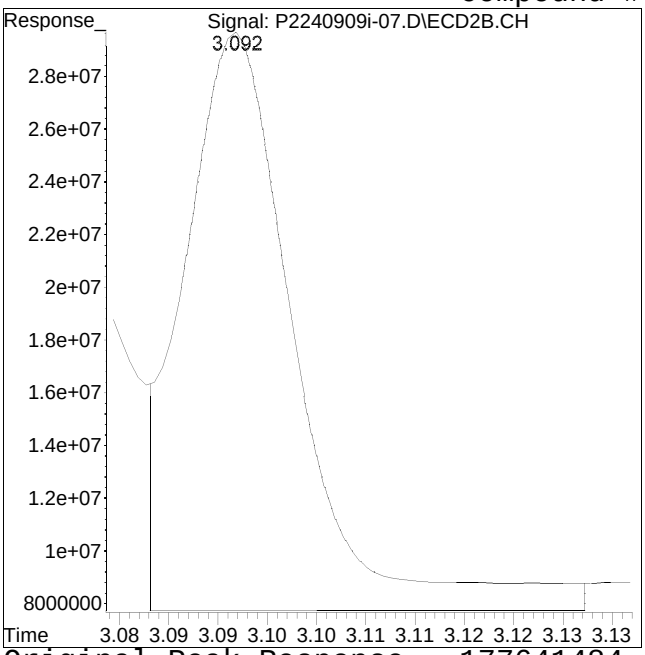


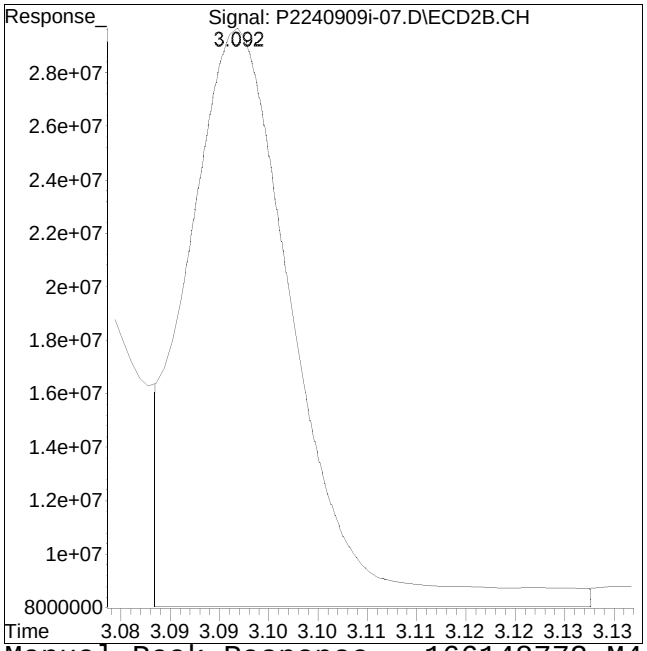
Original Peak Response = 253937823 Manual Peak Response = 242401191 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #72: 1254-4 #2



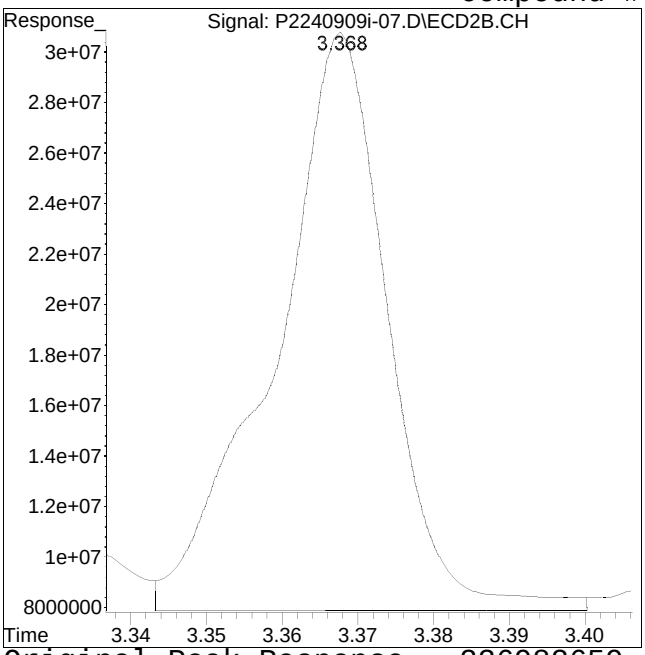


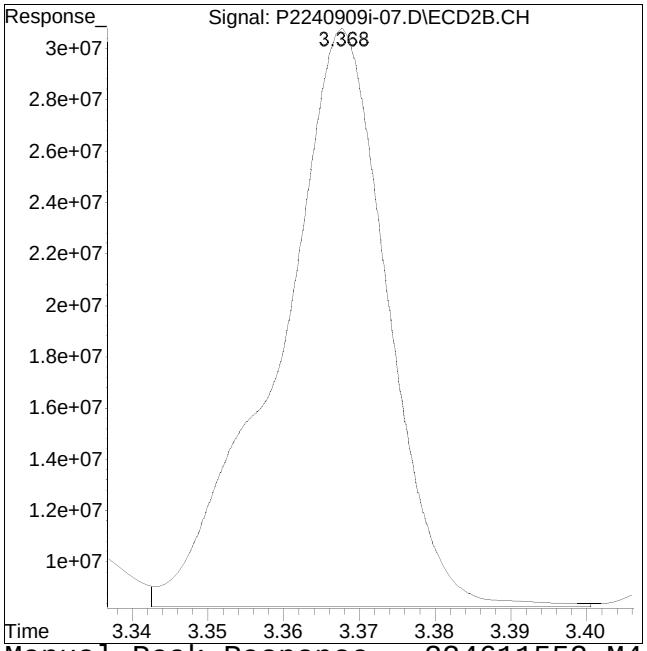
Original Peak Response = 177641484 Manual Peak Response = 166148772 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-07.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:29 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 9/10/2024 10:39 am

Compound #73: 1254-5 #2





Original Peak Response = 236982659 Manual Peak Response = 224611552 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:48
Operator : pest2:kb
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:35:29 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:35:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.188	1.254	153.6E6	172.0E6	25.000M4	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	9449613	12221529	0.757M4	0.794M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		3.79%#	3.97%#
3) s	Decachlorobi	4.039	4.550	13944329	15042415	1.517	1.529M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		7.59%#	7.64%#
	Target Compounds						
4) l1	1016-1	1.608	1.825	2555351	3294007	11.799M4	12.687M4
5) l1	1016-2	1.750	1.995	5160852	7566754	11.412M4	13.273M4
6) l1	1016-3	1.938	2.197	10564128	15478903	11.008M4	13.586M4
7) l1	1016-4	1.992	2.257	3950020	6008351	10.082M4	13.269M4
8) l1	1016-5	2.162	2.468	4895164	4278586	11.273M4	11.784M4
Sum	1016-1			27125514	36626601	55.573	64.600
Average	1016-1					11.115	12.920
9) l2	1260-1	2.705	3.078	7052400	8697497	11.661M4	12.394M3
10) l2	1260-2	2.835	3.179	10183766	10683388	11.327M4	13.172M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:48
Operator : pest2:kb
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:35:29 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:35:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.151	3.571	5893154	7938973	10.492M4	11.942M4
12) l2	1260-4	3.307	3.700	14645287	16931351	11.705M4	12.693M4
13) l2	1260-5	3.455	3.902	10245974	12583075	11.405M4	13.050M4
Sum	1260-1			48020580	56834283	NoCal	NoCal D
Average	1260-1					11.318	12.650
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:48
Operator : pest2:kb
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:35:29 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:35:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:48
Operator : pest2:kb
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:35:29 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:35:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

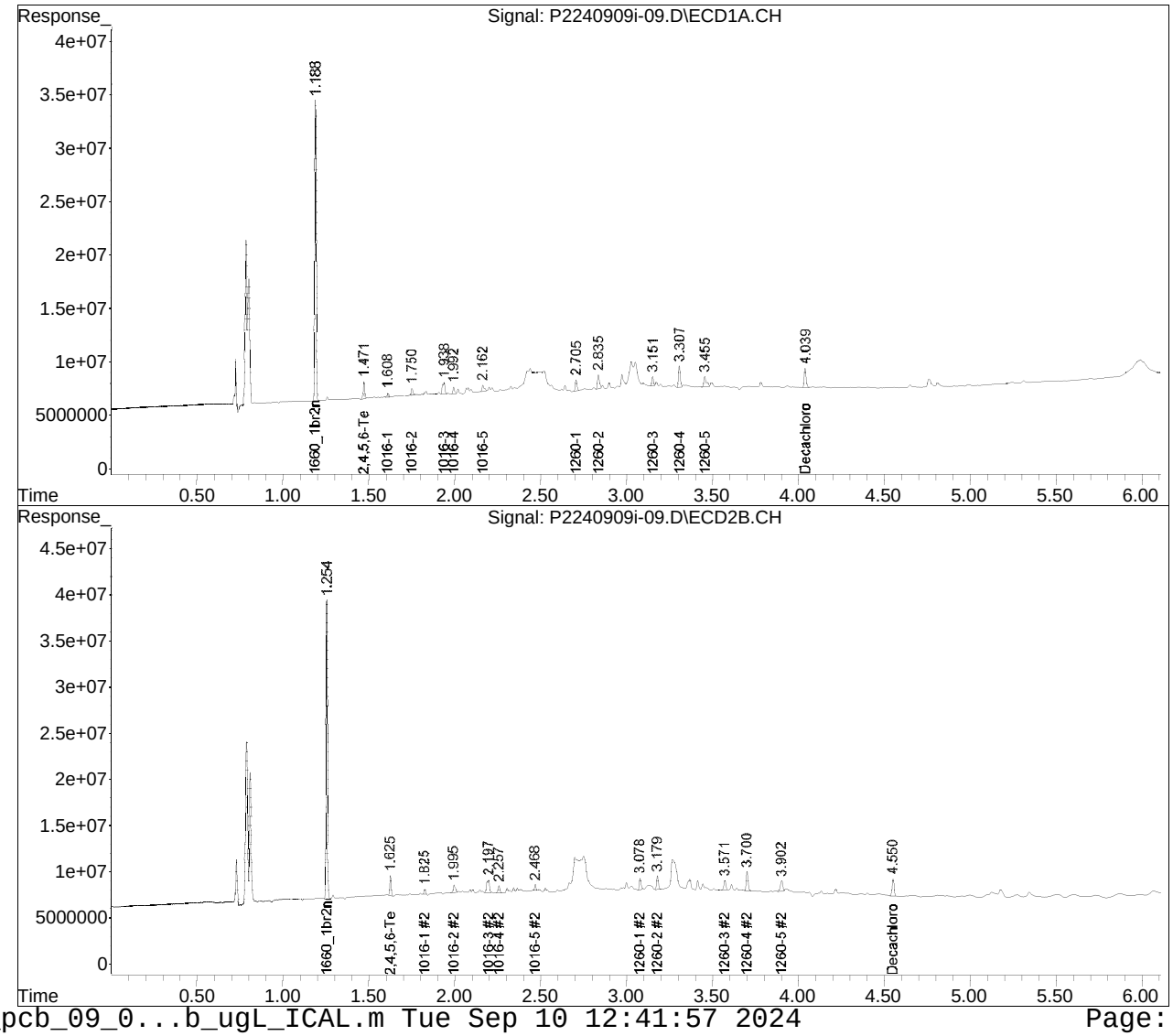
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:48
Operator : pest2:kb
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:35:29 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:35:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

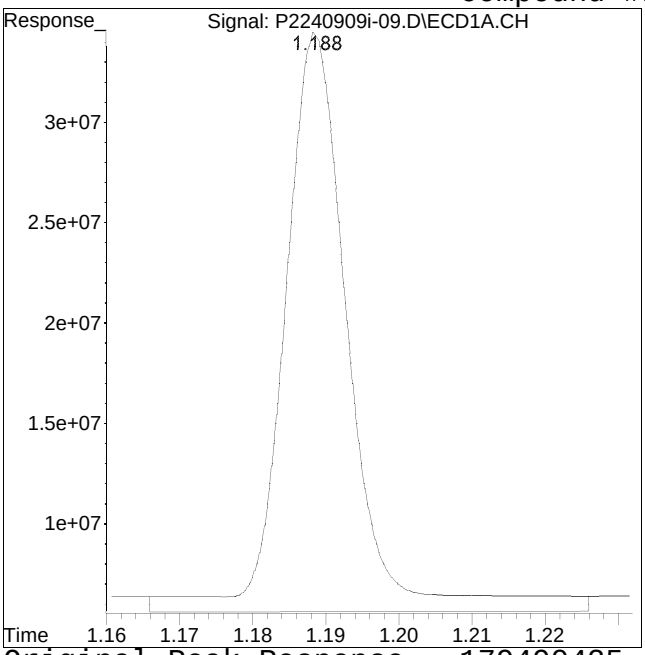
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

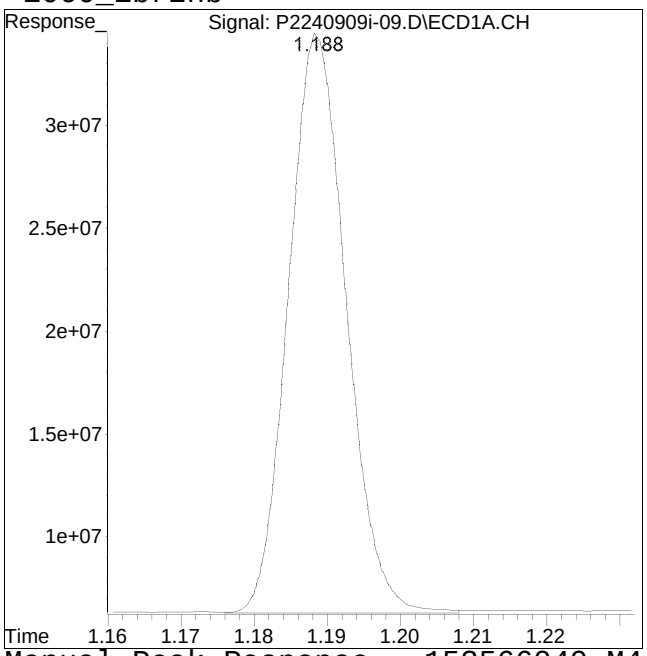


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #1: 1660_1br2nb



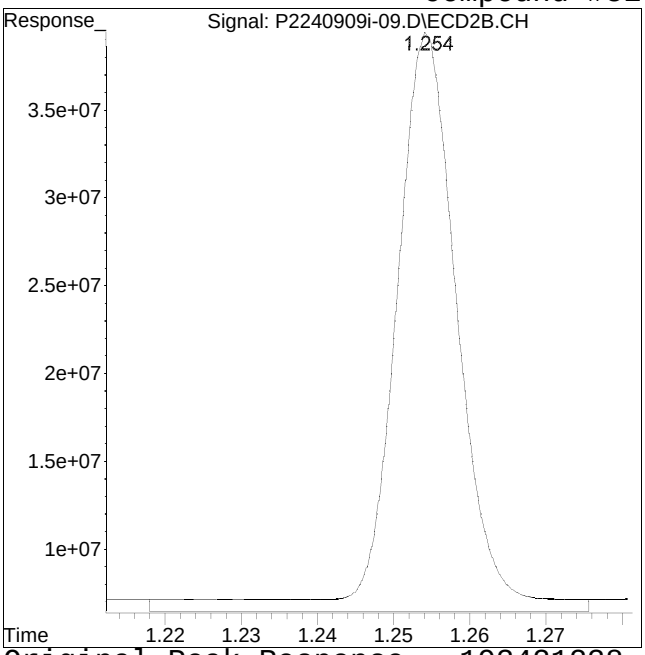


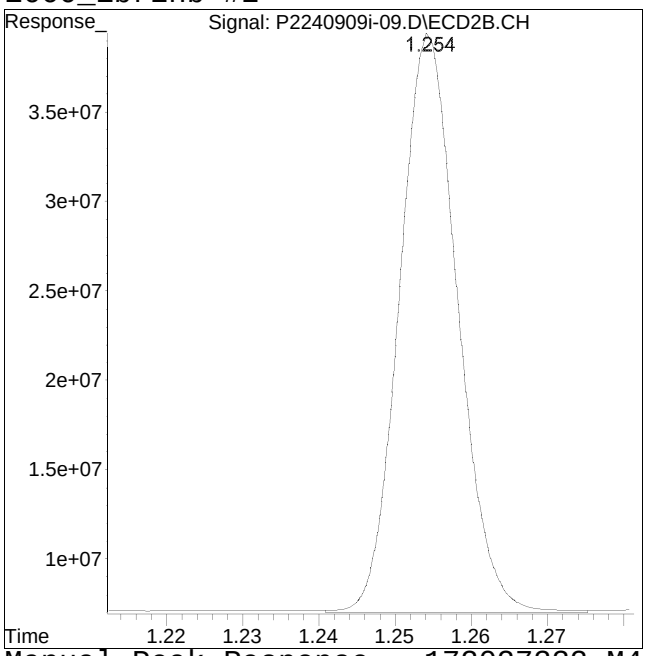
Original Peak Response = 179490425 Manual Peak Response = 153566040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #52: 1660_1br2nb #2



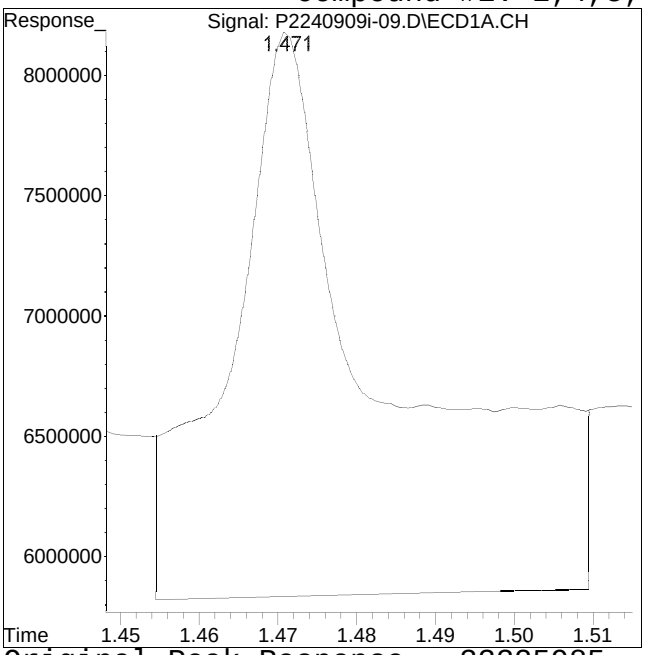


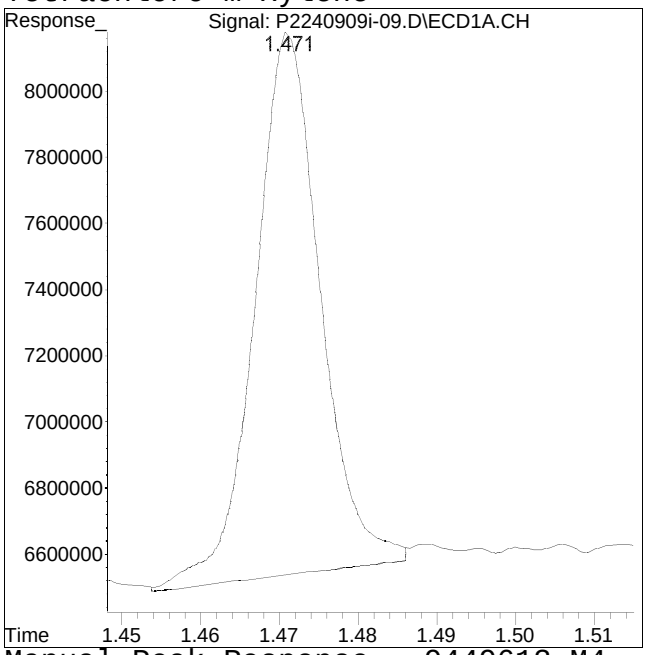
Original Peak Response = 193421238 Manual Peak Response = 172027332 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



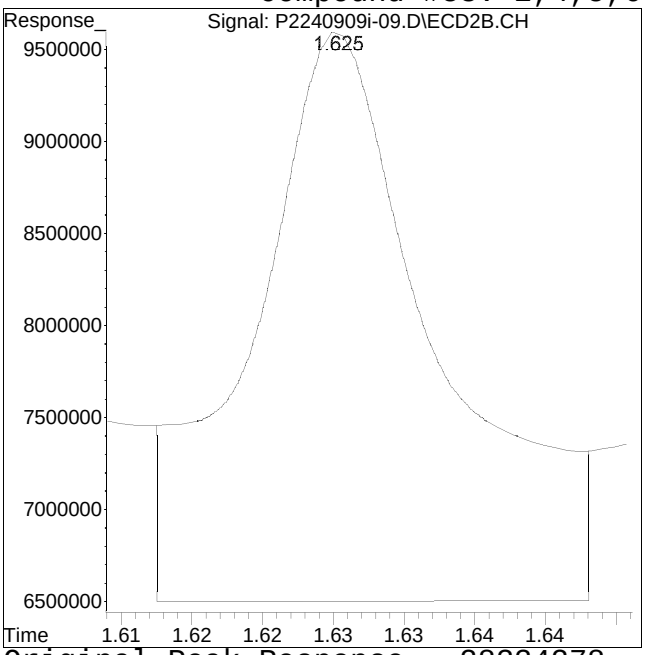


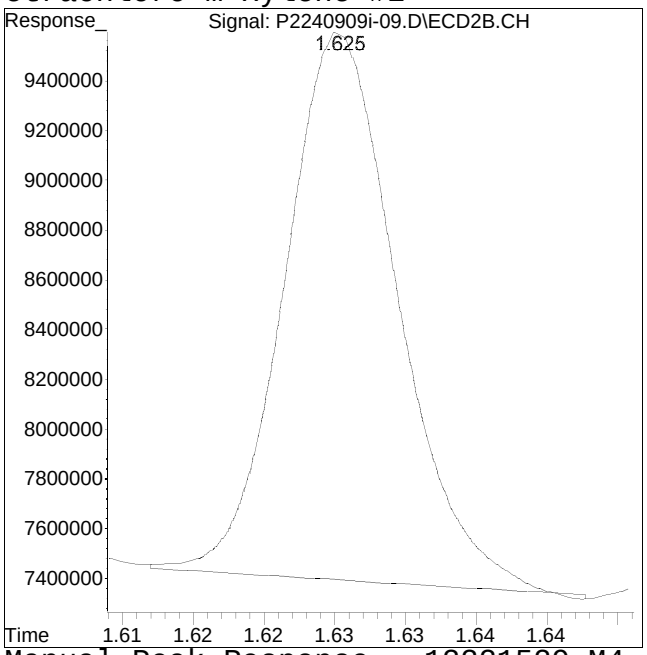
Original Peak Response = 33325985 Manual Peak Response = 9449613 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



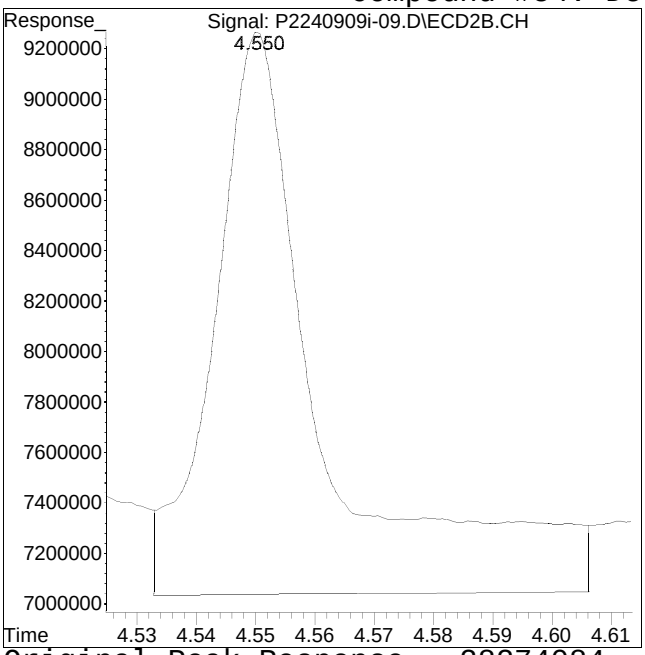


Original Peak Response = 28334278 Manual Peak Response = 12221529 M4
M4 = Poor automated baseline construction.

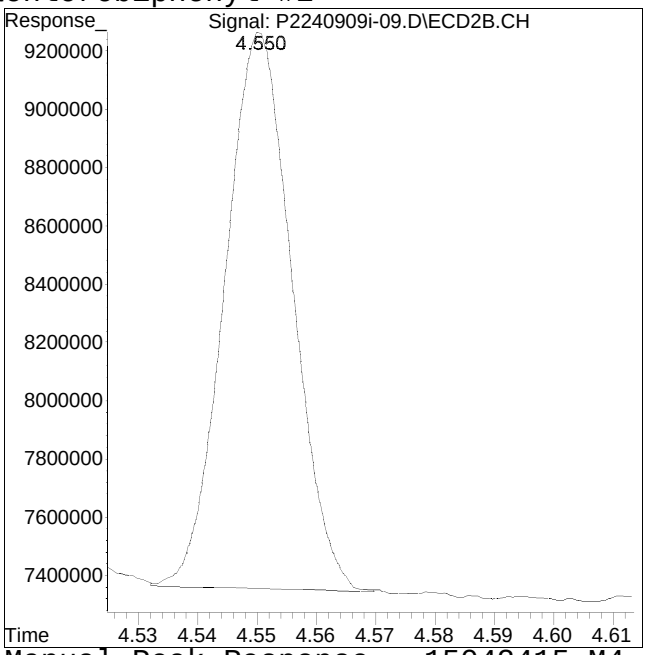
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 28274084



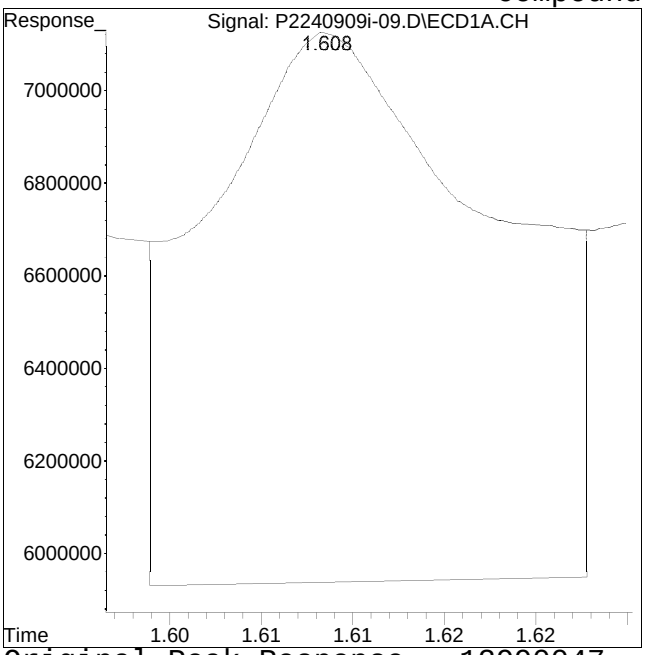
Manual Peak Response = 15042415 M4

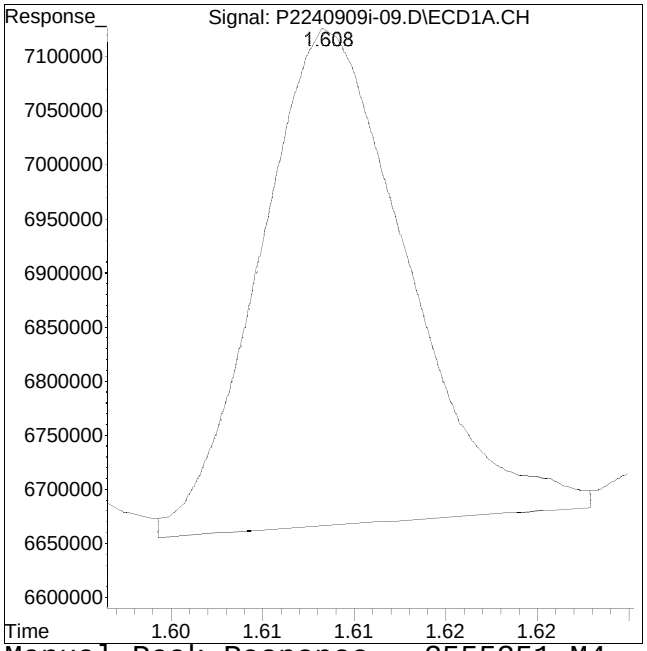
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #4: 1016-1



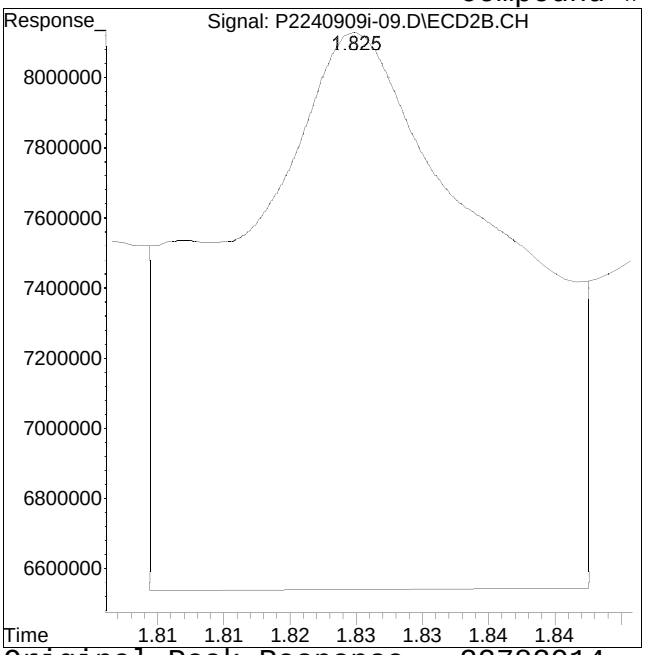


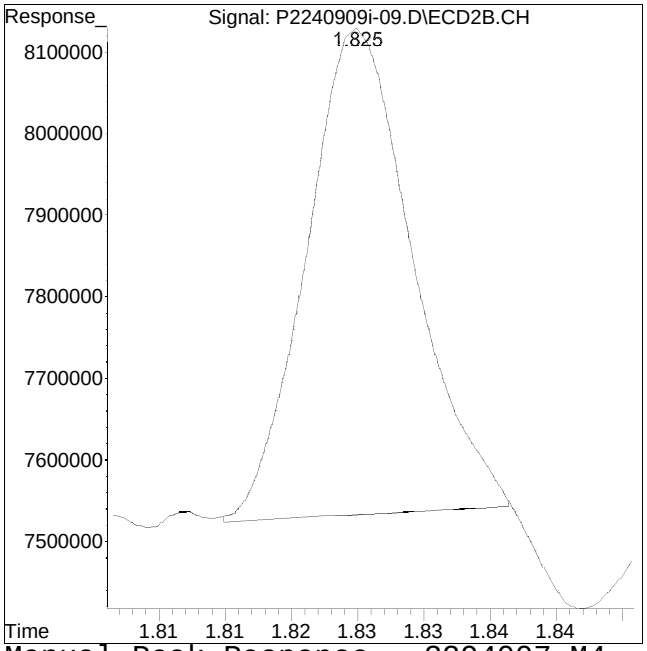
Original Peak Response = 12990047 Manual Peak Response = 2555351 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #55: 1016-1 #2



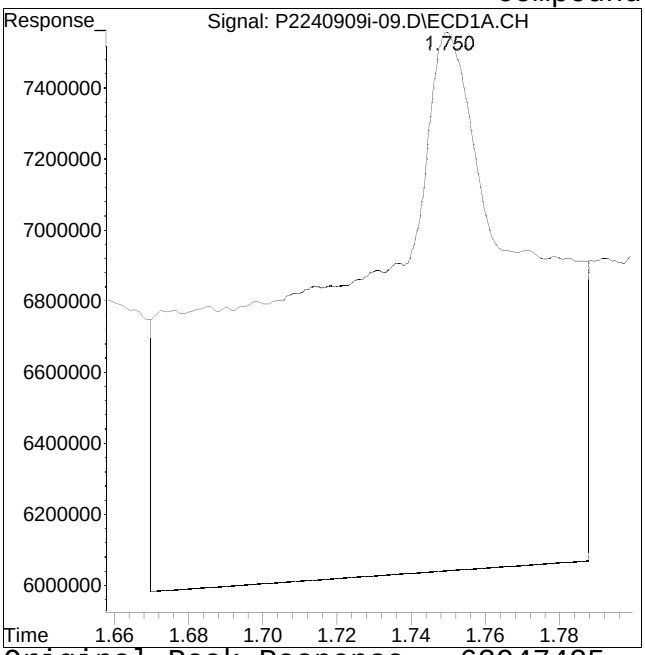


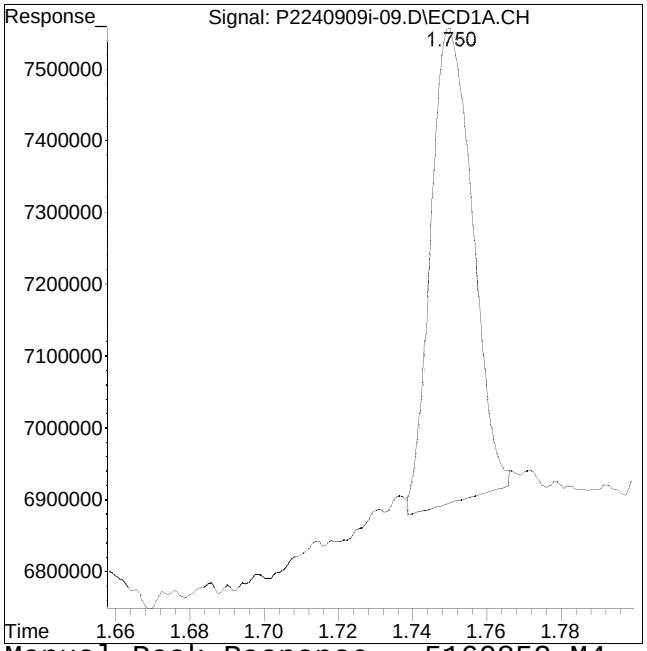
Original Peak Response = 22782914 Manual Peak Response = 3294007 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #5: 1016-2



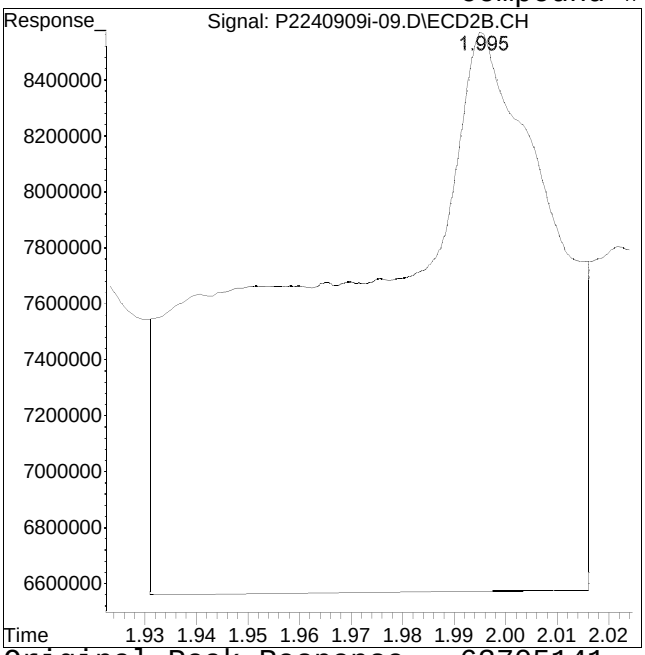


Original Peak Response = 63947425 Manual Peak Response = 5160852 M4
M4 = Poor automated baseline construction.

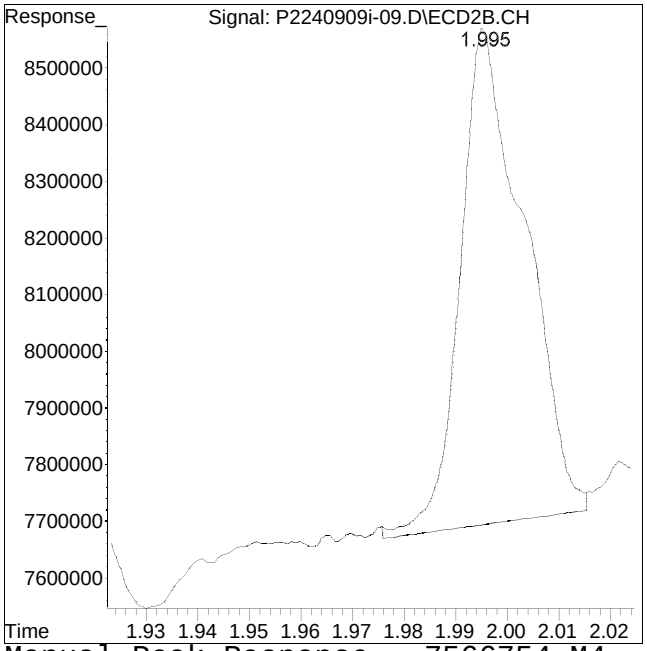
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #56: 1016-2 #2



Original Peak Response = 63705141



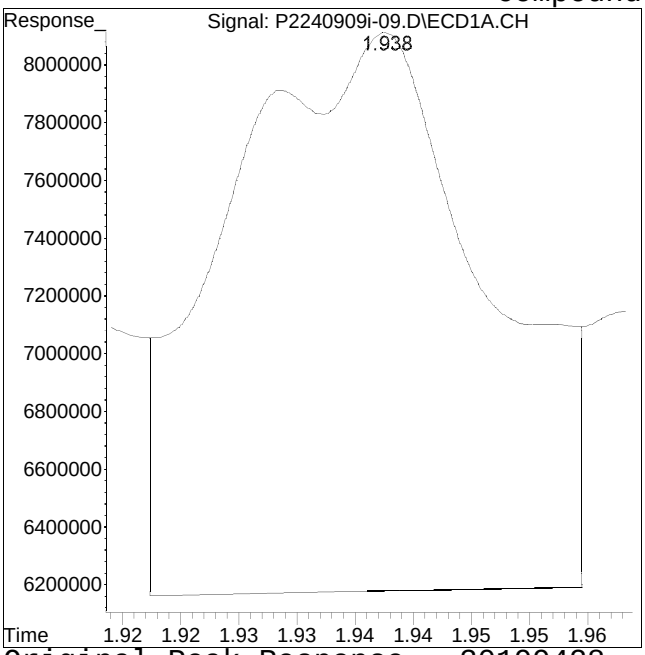
Manual Peak Response = 7566754 M4

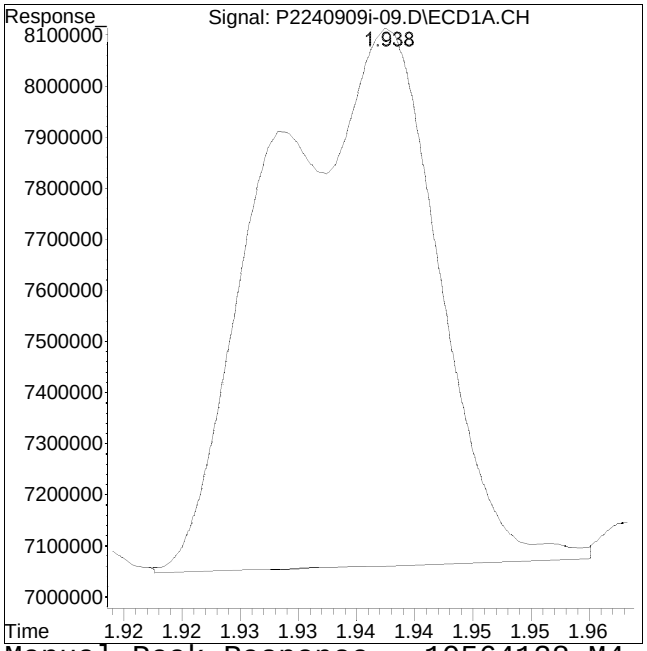
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #6: 1016-3



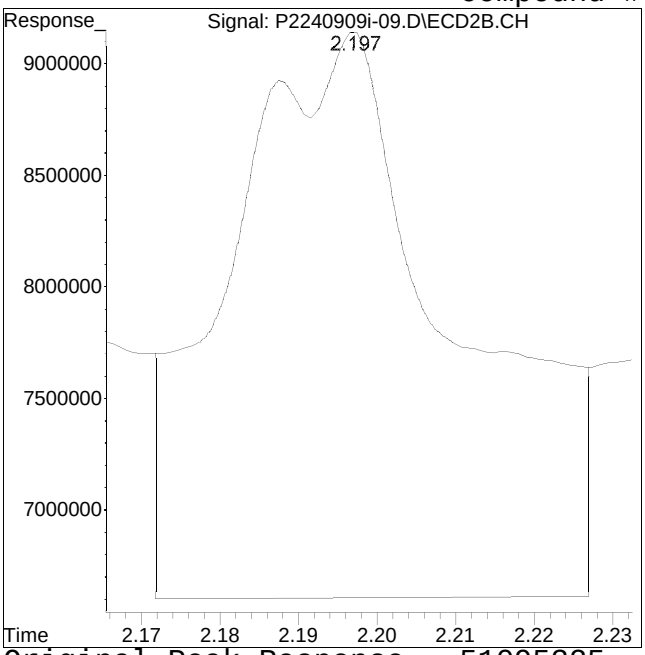


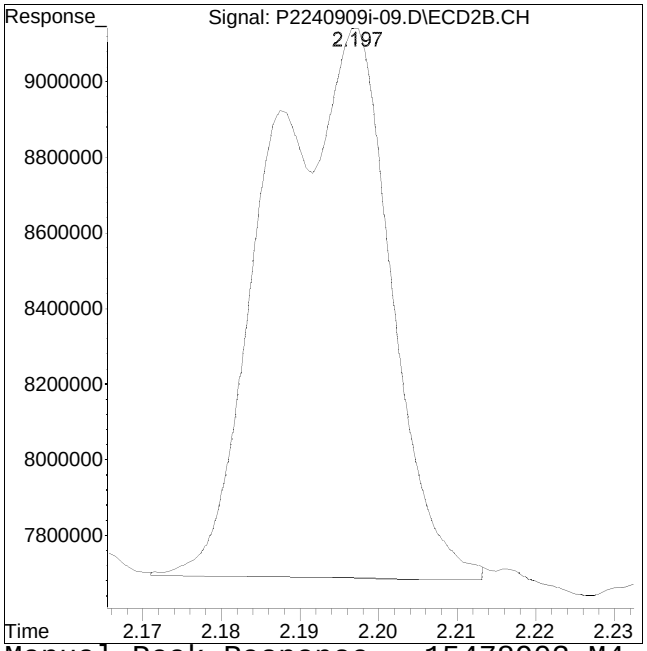
Original Peak Response = 30199428 Manual Peak Response = 10564128 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #57: 1016-3 #2



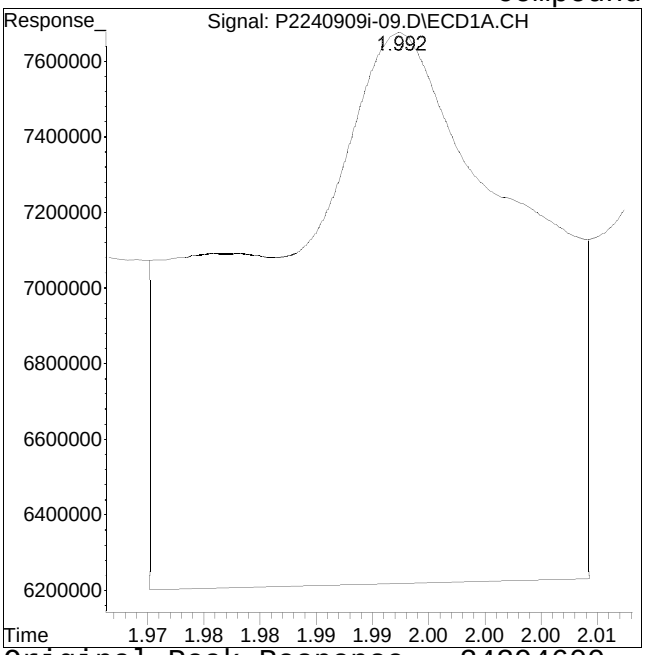


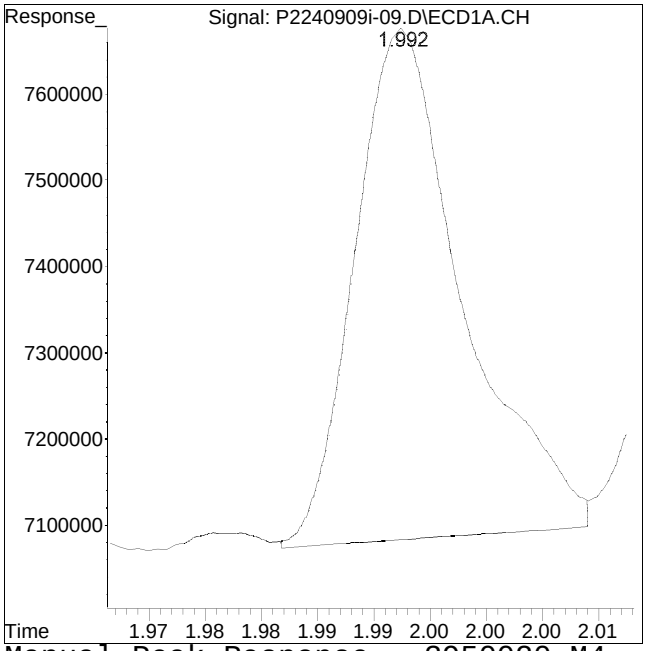
Original Peak Response = 51095325 Manual Peak Response = 15478903 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #7: 1016-4



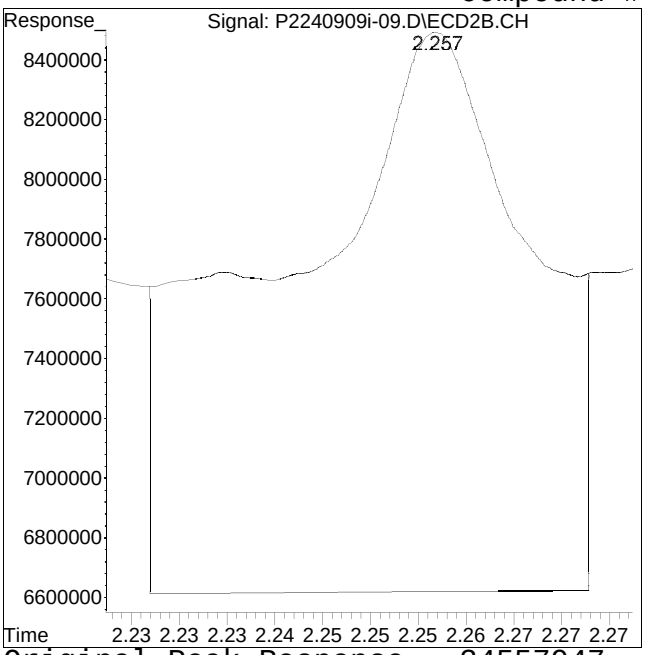


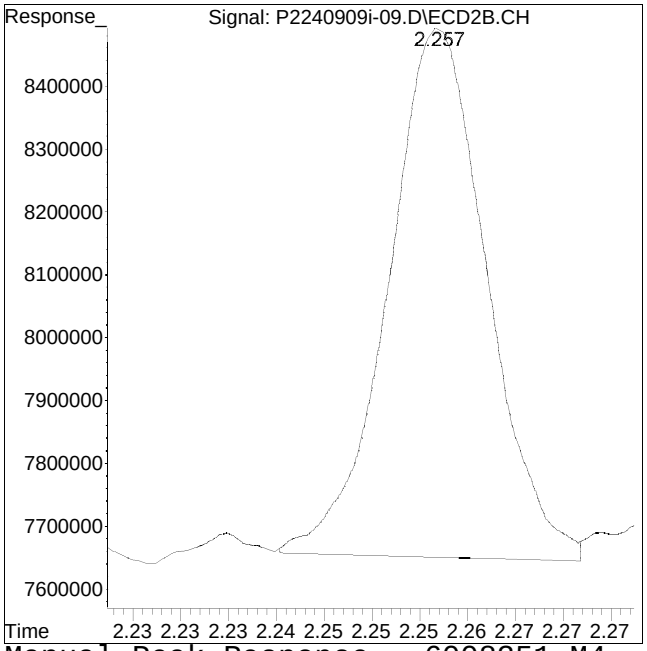
Original Peak Response = 24294600 Manual Peak Response = 3950020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #58: 1016-4 #2



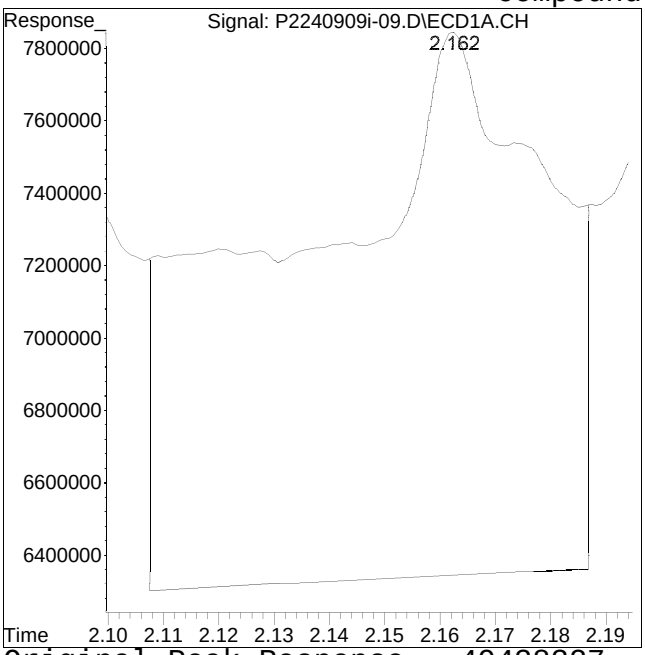


Original Peak Response = 34557947 Manual Peak Response = 6008351 M4
M4 = Poor automated baseline construction.

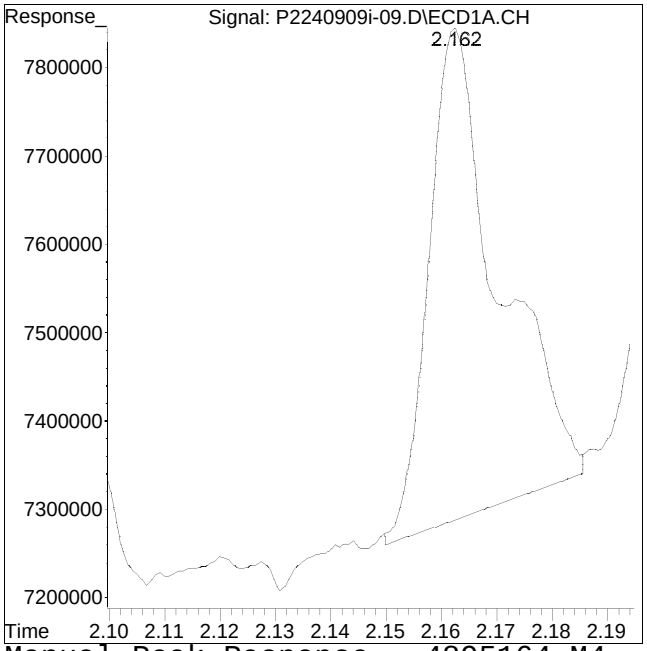
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #8: 1016-5



Original Peak Response = 49438327



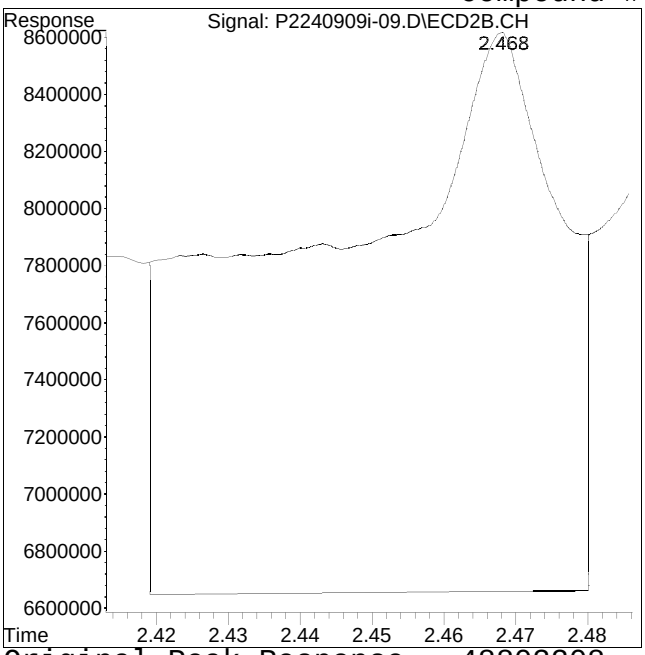
Manual Peak Response = 4895164 M4

M4 = Poor automated baseline construction.

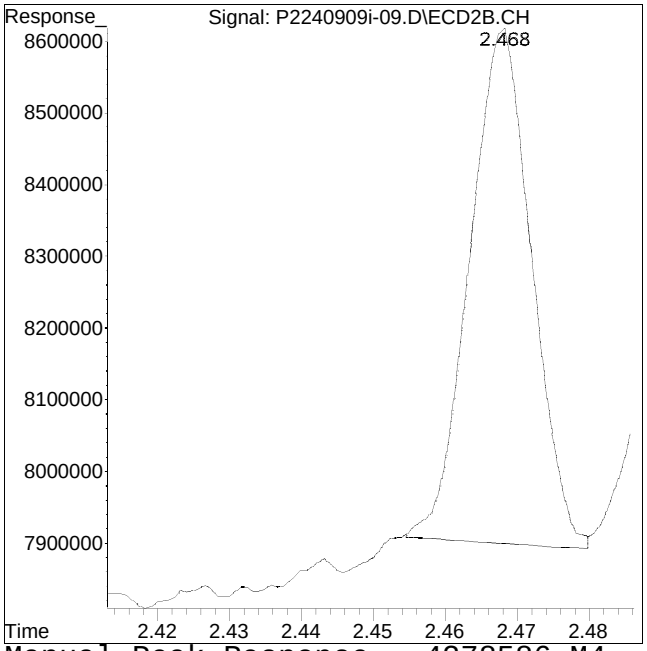
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #59: 1016-5 #2



Original Peak Response = 48803208



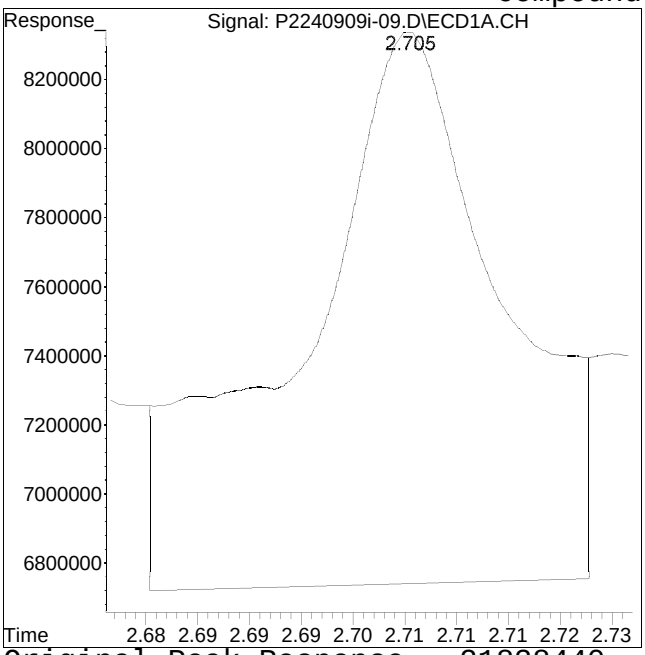
Manual Peak Response = 4278586 M4

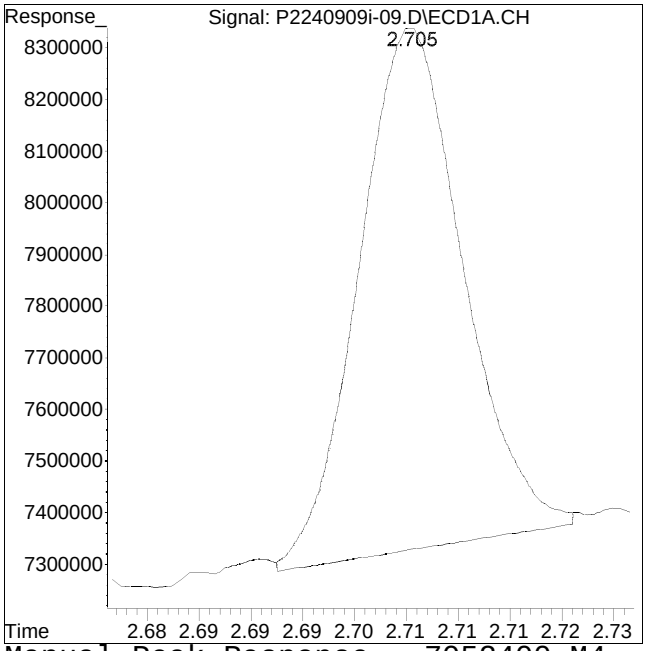
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #9: 1260-1



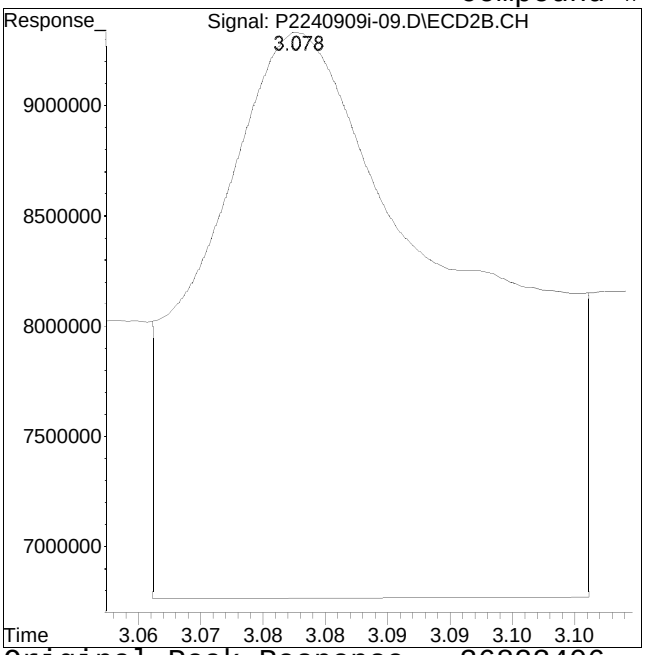


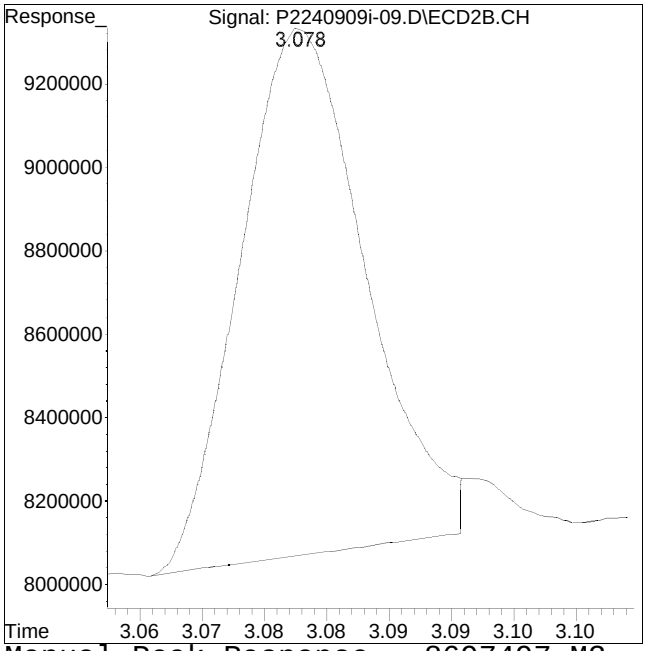
Original Peak Response = 21838440 Manual Peak Response = 7052400 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #60: 1260-1 #2



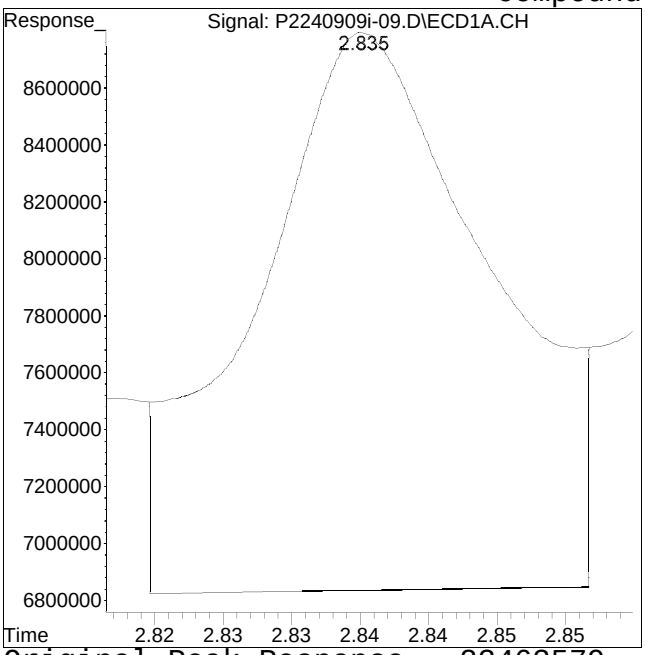


Original Peak Response = 36823406 Manual Peak Response = 8697497 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

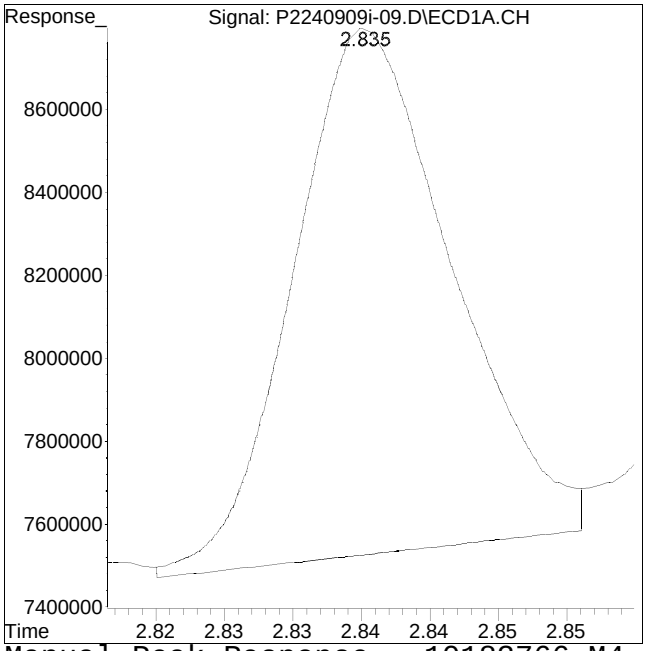
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #10: 1260-2



Original Peak Response = 23463579



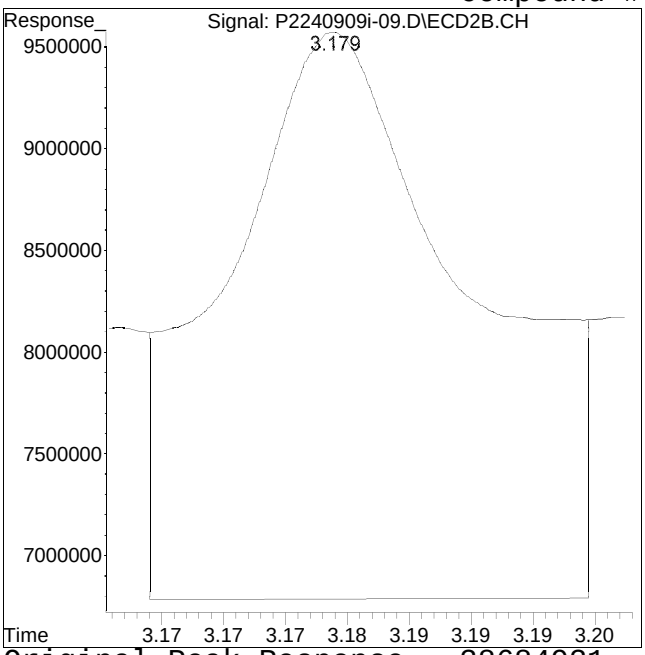
Manual Peak Response = 10183766 M4

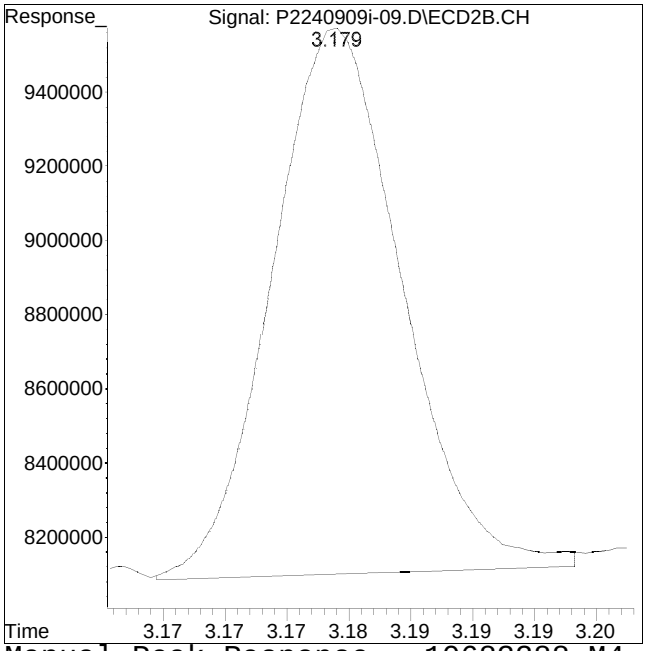
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #61: 1260-2 #2



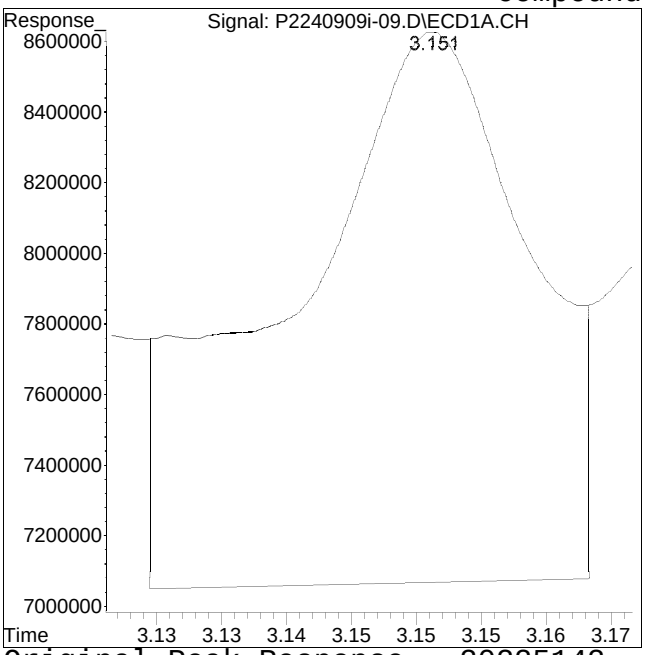


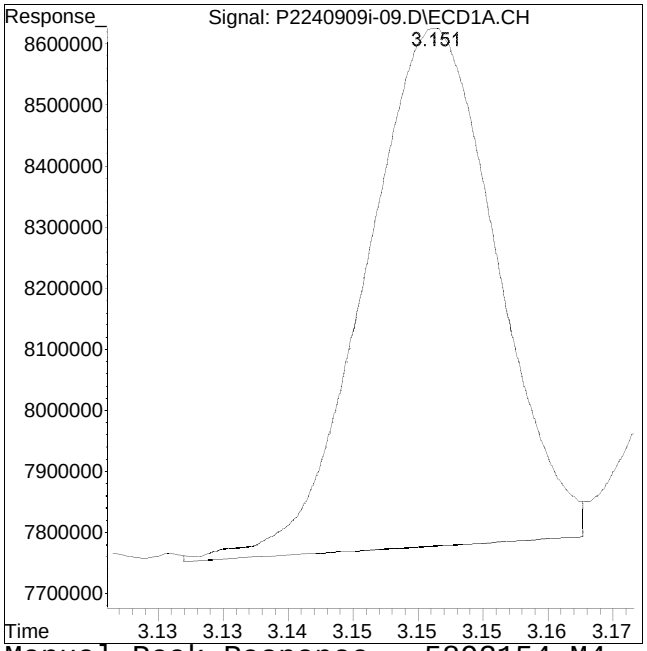
Original Peak Response = 38684931 Manual Peak Response = 10683388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #11: 1260-3



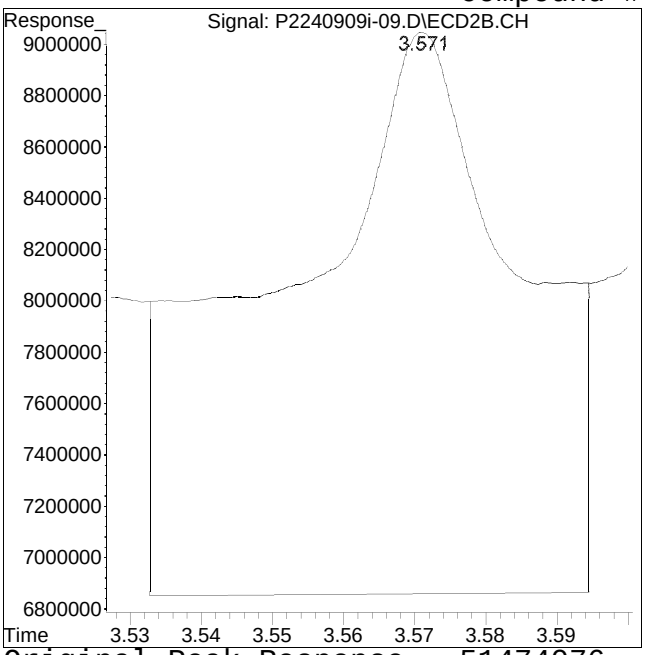


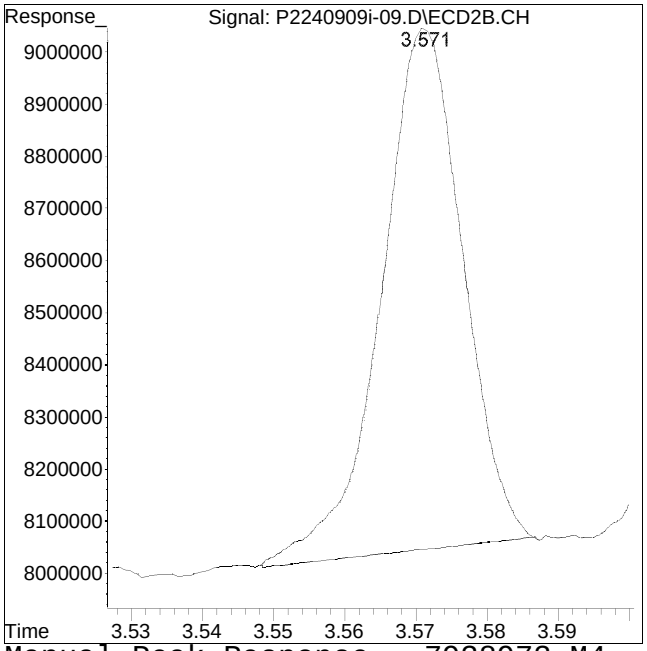
Original Peak Response = 20225142 Manual Peak Response = 5893154 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #62: 1260-3 #2



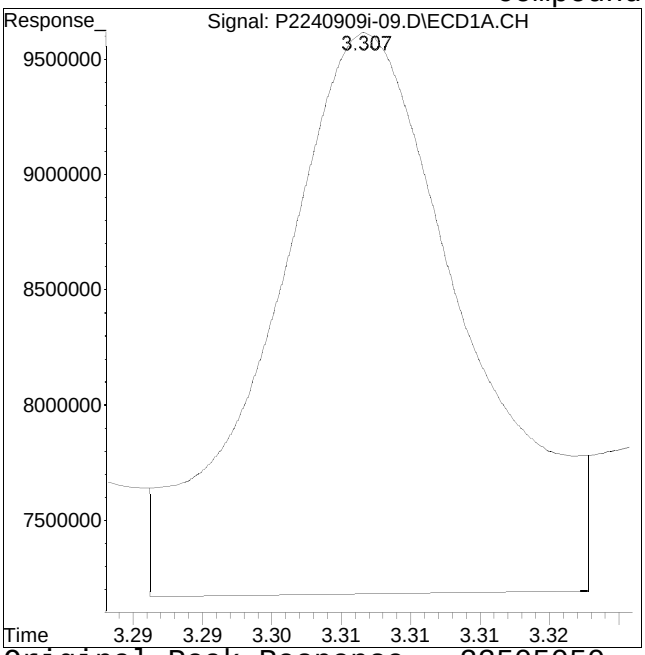


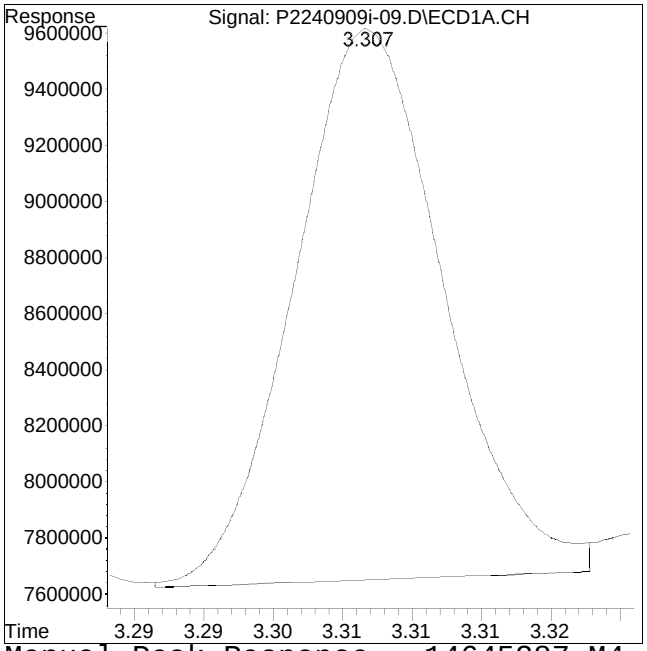
Original Peak Response = 51474076 Manual Peak Response = 7938973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #12: 1260-4



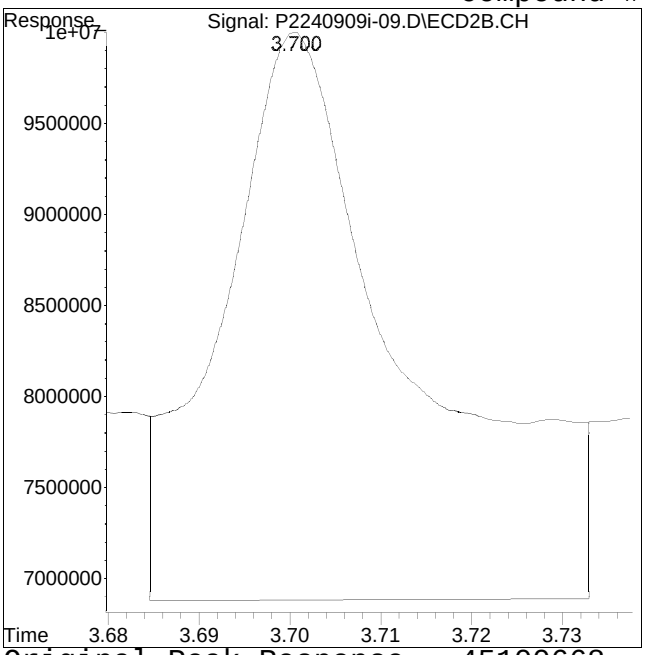


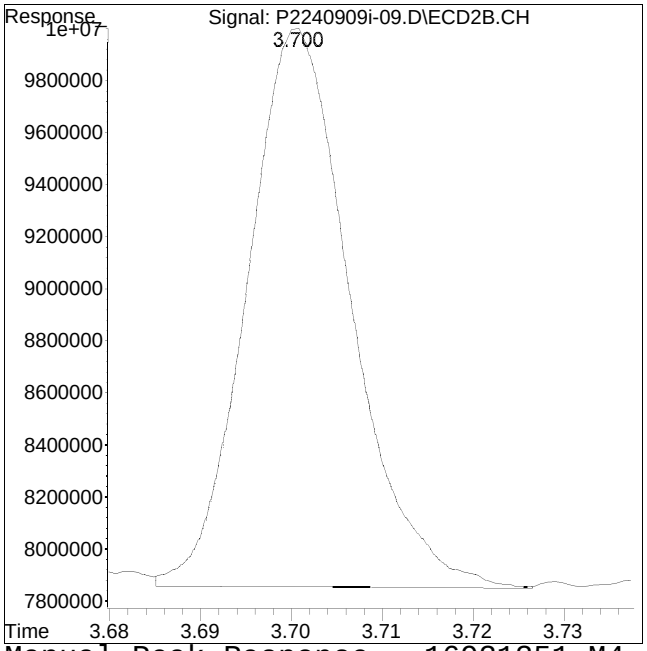
Original Peak Response = 23505050 Manual Peak Response = 14645287 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #63: 1260-4 #2



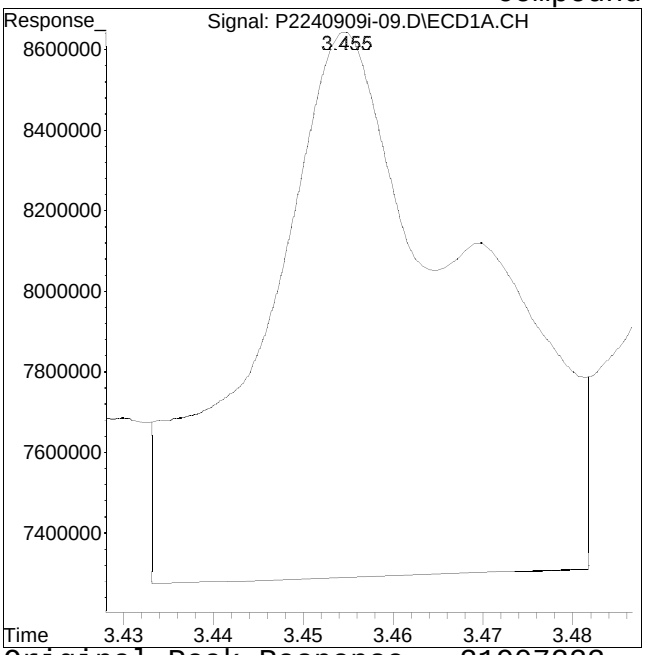


Original Peak Response = 45100668 Manual Peak Response = 16931351 M4
M4 = Poor automated baseline construction.

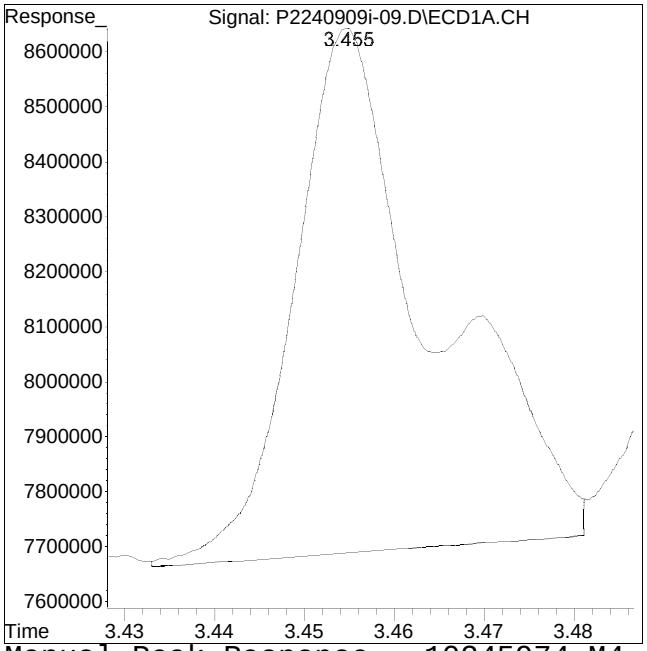
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #13: 1260-5



Original Peak Response = 21907233



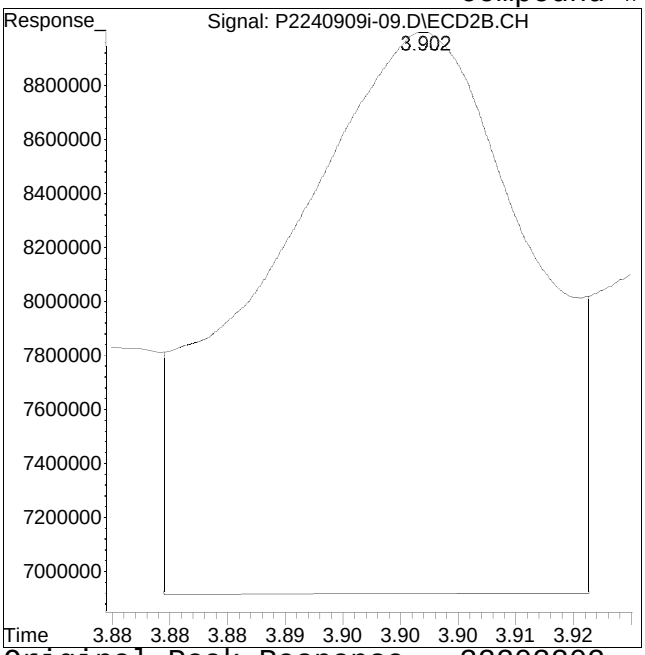
Manual Peak Response = 10245974 M4

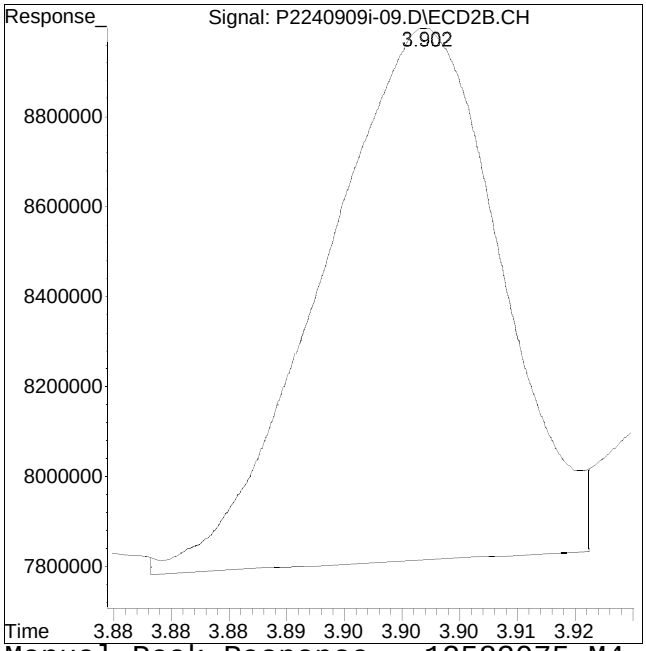
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-09.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:48 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 9/10/2024 10:35 am

Compound #64: 1260-5 #2





Original Peak Response = 32203202 Manual Peak Response = 12583075 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:57
Operator : pest2:kb
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:26 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.188	1.254	159.9E6	173.5E6	25.000M4	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	35962878	46184189	1.223M4	1.517M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		6.12%#	7.59%#
3) s	Decachlorobi	4.038	4.551	56791780	59890680	5.469	3.911
	Spiked Amount 20.000	Range 30 - 150		Recovery =		27.35%#	19.56%#
	Target Compounds						
4) l1	1016-1	1.609	1.825	10901088	13617359	15.089M4	10.658M4
5) l1	1016-2	1.749	1.995	24483591	29482534	6.626M4	8.967M4
6) l1	1016-3	1.937	2.196	46844527	59676864	20.101	19.777M4
7) l1	1016-4	1.992	2.256	20267831	23685456	12.249	12.783M4
8) l1	1016-5	2.162	2.467	21172321	20386543	6.347	8.650M4
	Sum 1016-1			123.7E6	146.8E6	60.412	60.834
	Average 1016-1					12.082	12.167
9) l2	1260-1	2.705	3.077	29181131	37300403	15.984	19.078M4
10) l2	1260-2	2.835	3.179	46811011	42801341	22.234	18.147M4

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:57
Operator : pest2:kb
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:26 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.150	3.571	27935917	35312966	15.733M4	10.888M4
12) l2	1260-4	3.306	3.700	60935651	68010790	26.943M4	21.713M4
13) l2	1260-5	3.454	3.902	43527441	50245719	20.699M1	16.414M4
Sum	1260-1			208.4E6	233.7E6	NoCal	NoCal D
Average	1260-1					20.318	17.248
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:57
Operator : pest2:kb
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:26 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:57
Operator : pest2:kb
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:26 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

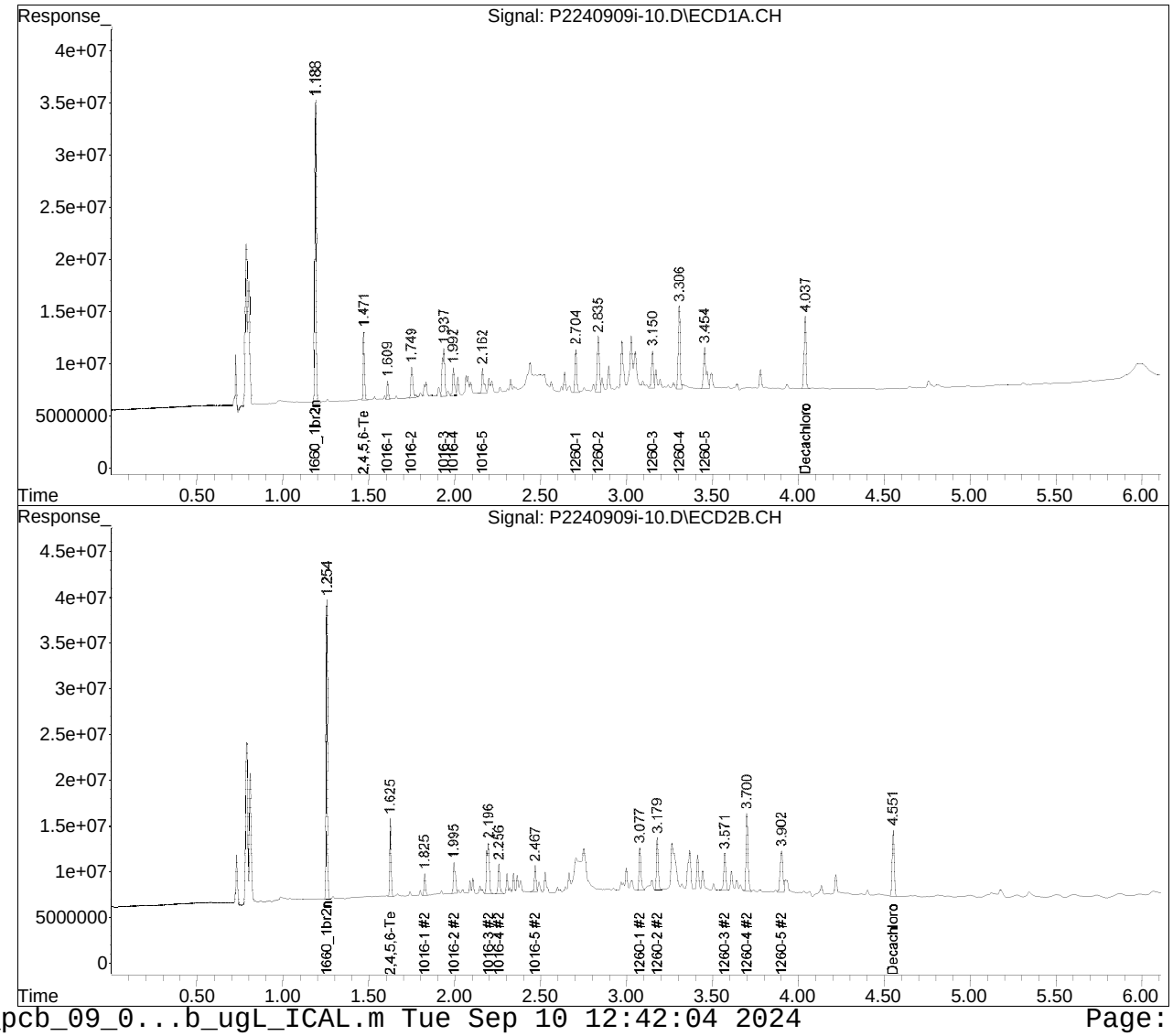
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 21:57
Operator : pest2:kb
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:26 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

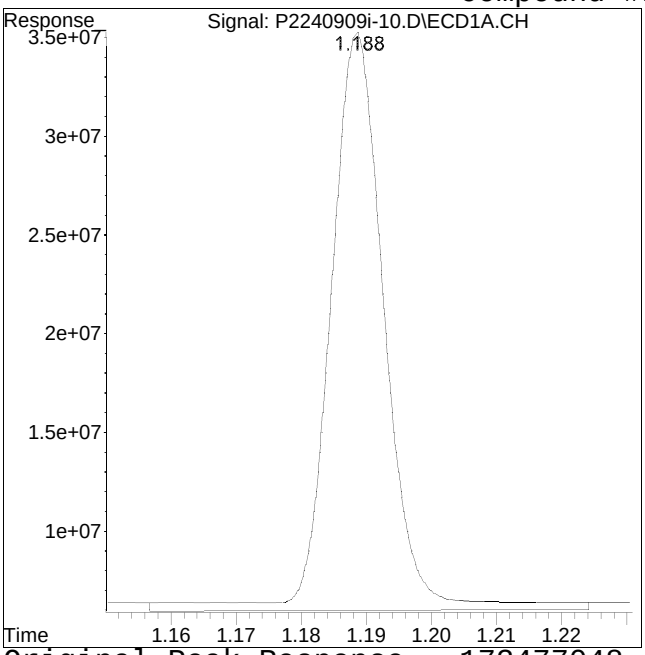
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

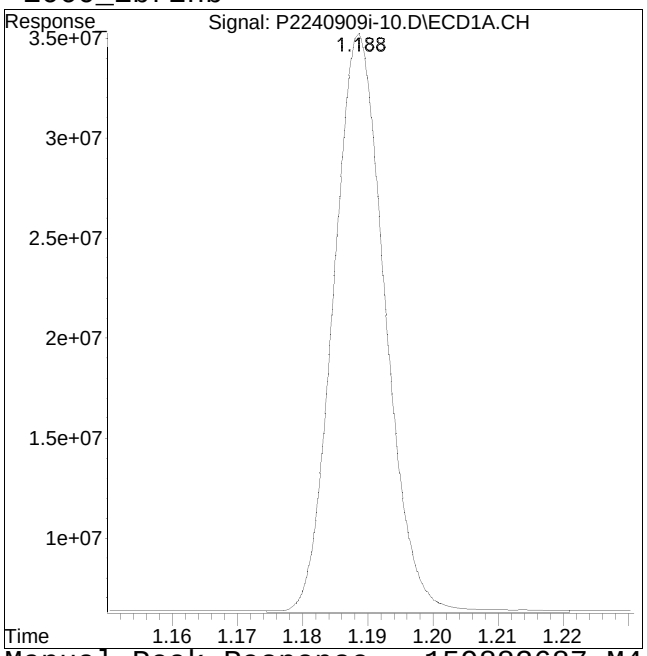


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #1: 1660_1br2nb



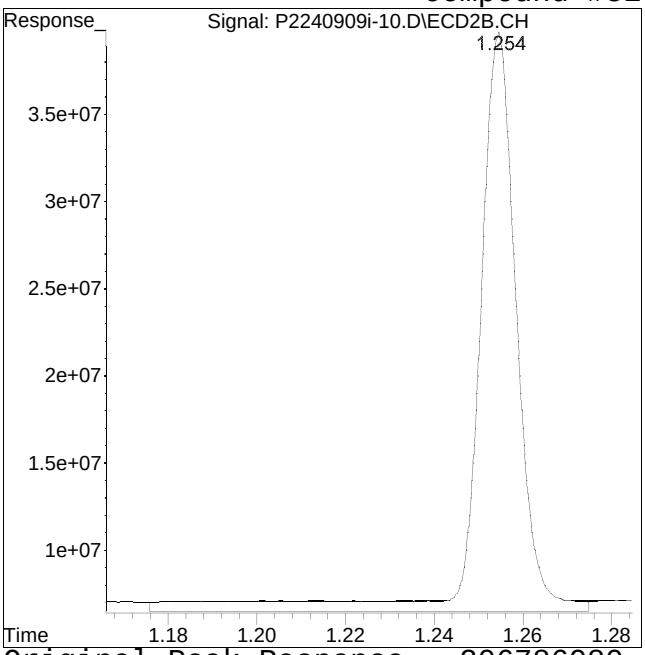


Original Peak Response = 173477048 Manual Peak Response = 159883687 M4
M4 = Poor automated baseline construction.

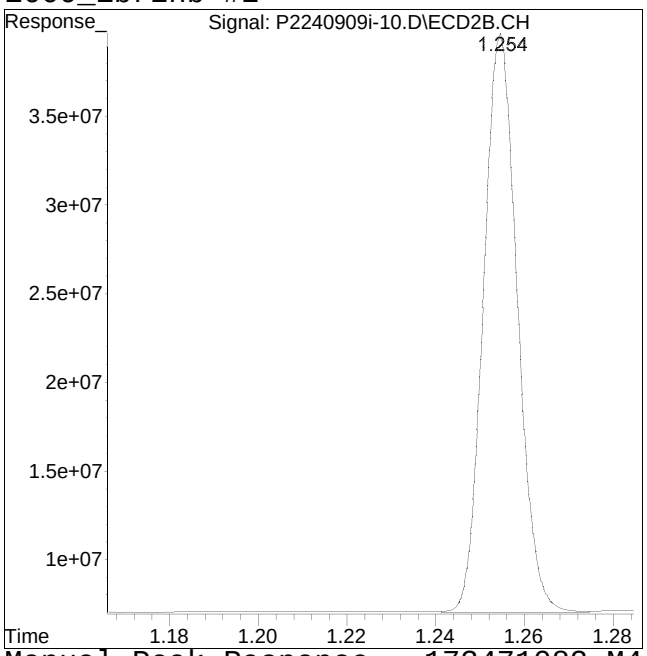
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #52: 1660_1br2nb #2



Original Peak Response = 206786980

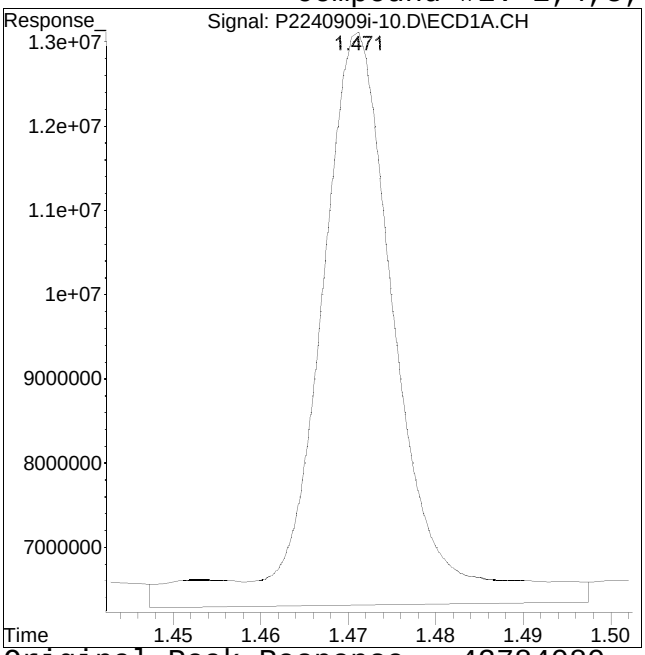


Manual Peak Response = 173471082 M4
M4 = Poor automated baseline construction.

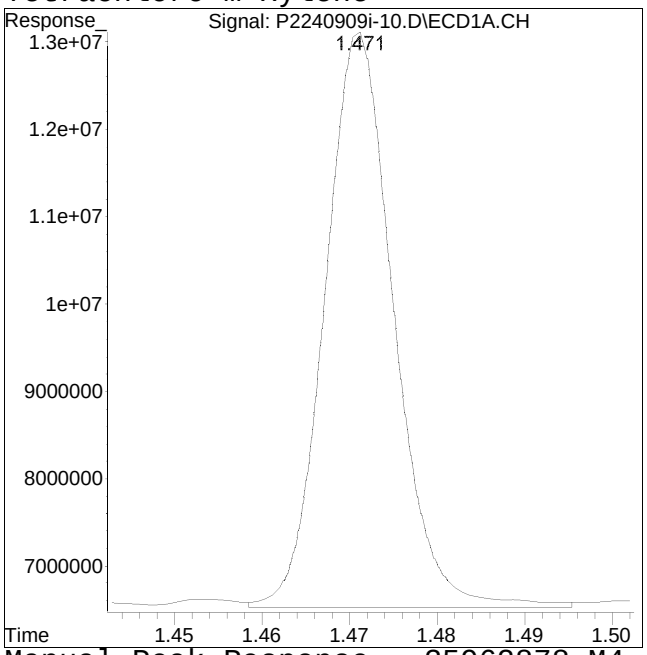
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 42784080



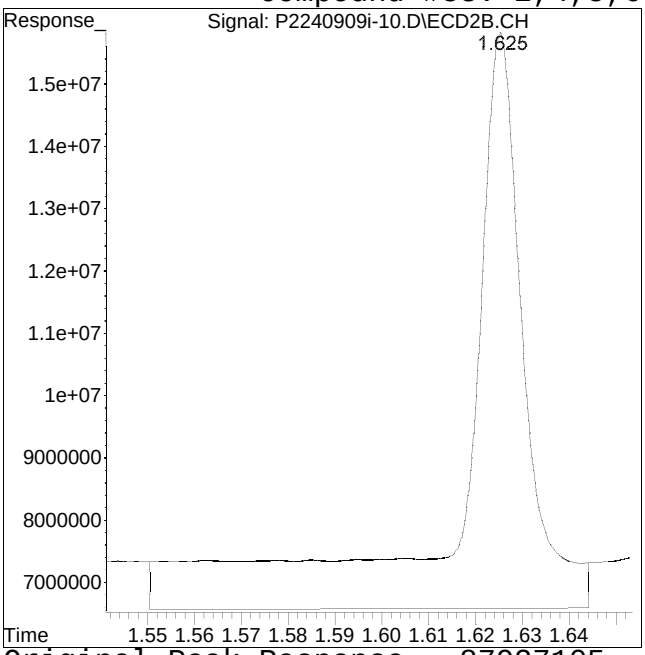
Manual Peak Response = 35962878 M4

M4 = Poor automated baseline construction.

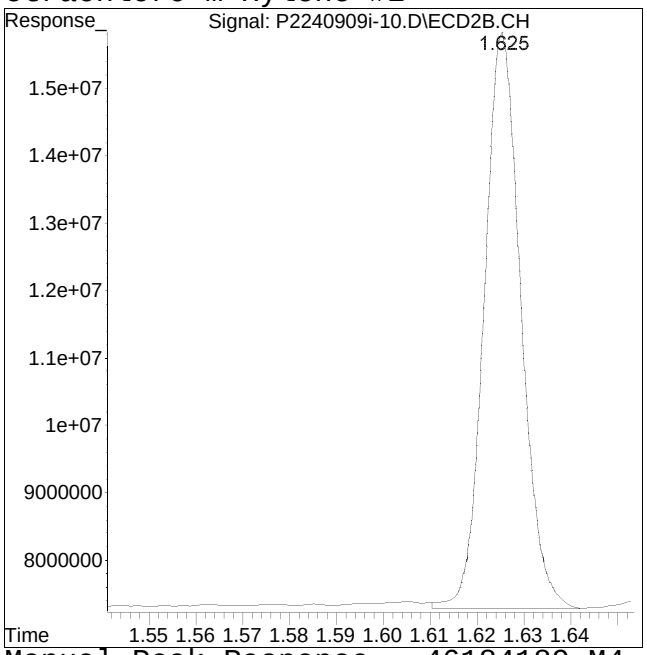
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 87927105



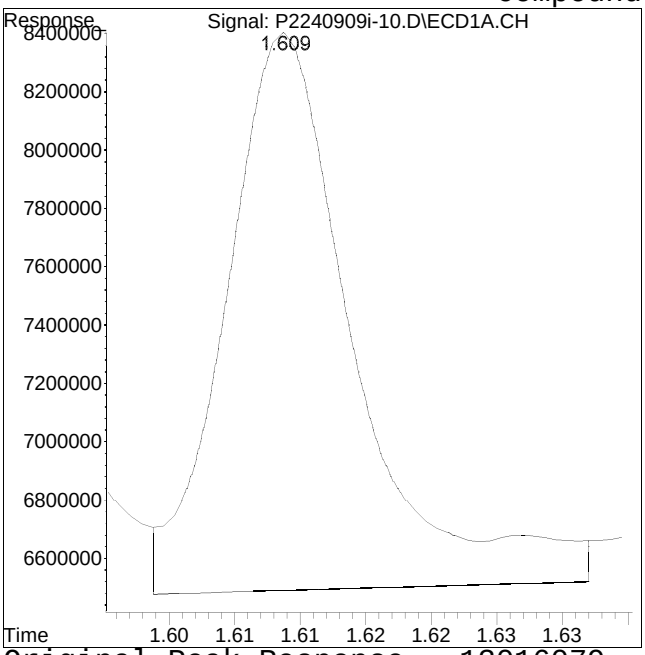
Manual Peak Response = 46184189 M4

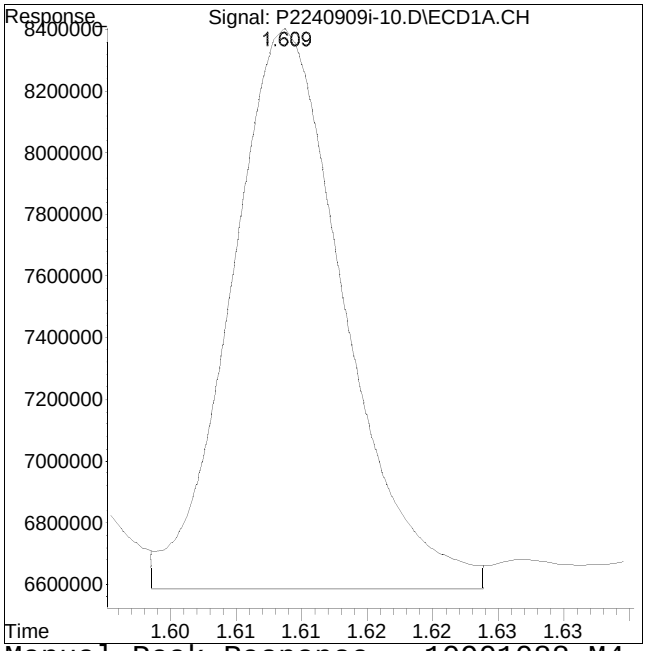
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #4: 1016-1



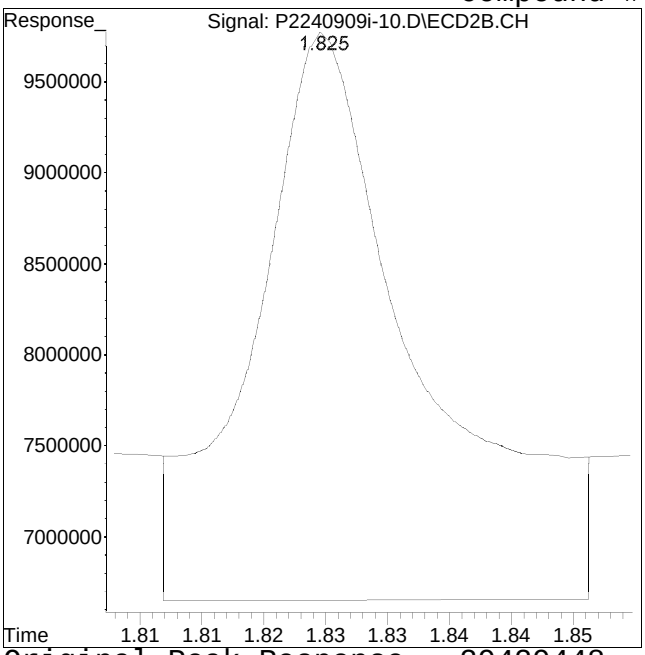


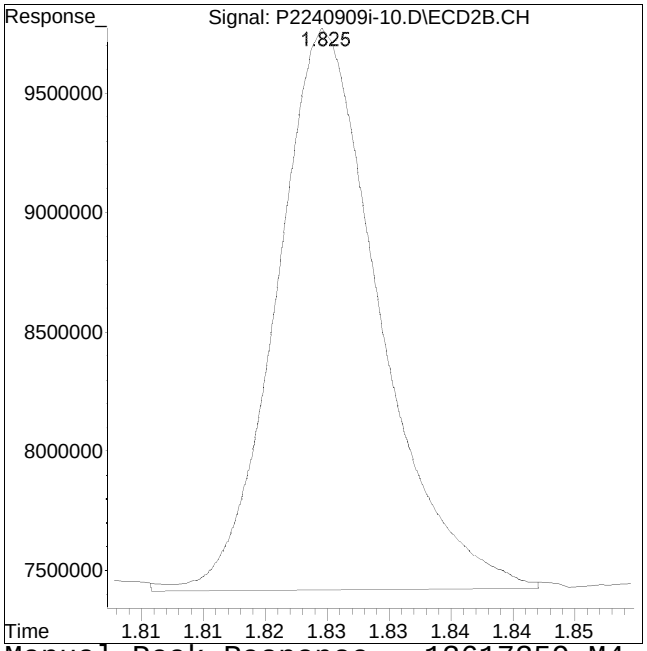
Original Peak Response = 13016079 Manual Peak Response = 10901088 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #55: 1016-1 #2



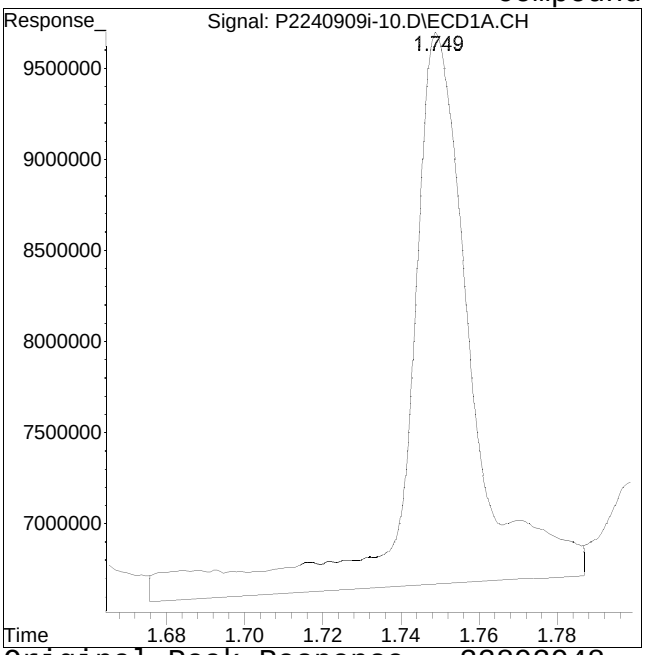


Original Peak Response = 29429448 Manual Peak Response = 13617359 M4
M4 = Poor automated baseline construction.

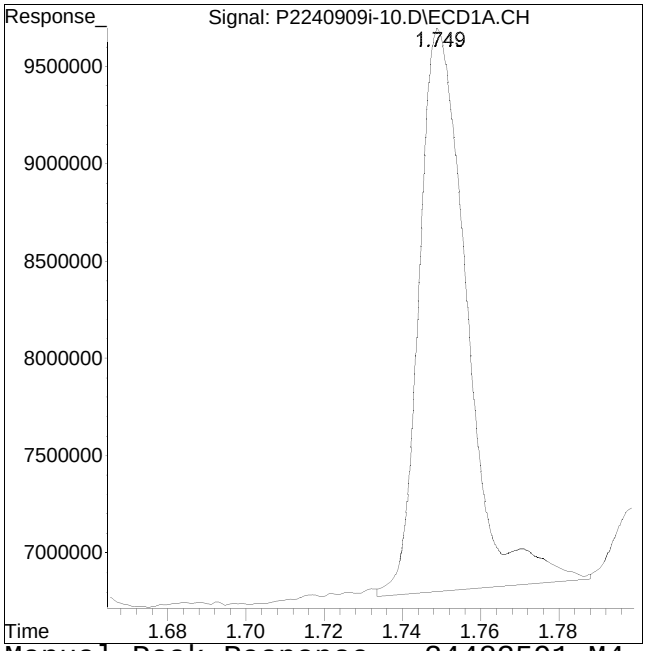
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #5: 1016-2



Original Peak Response = 33893948



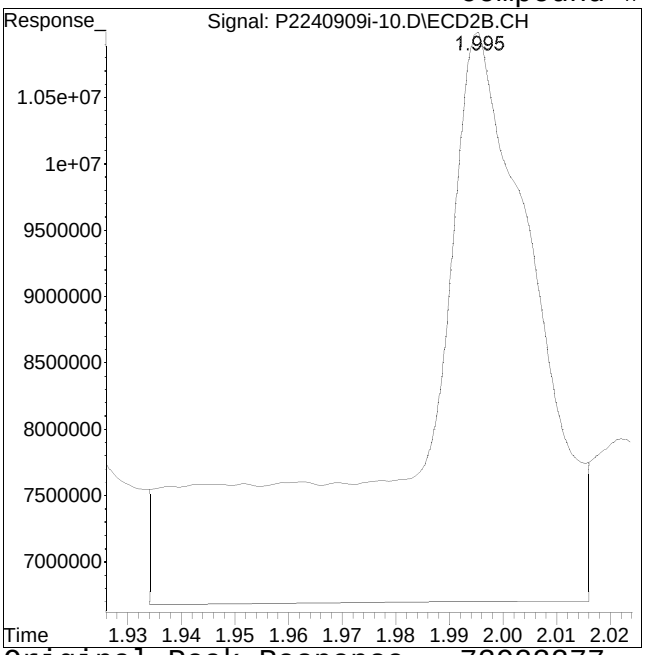
Manual Peak Response = 24483591 M4

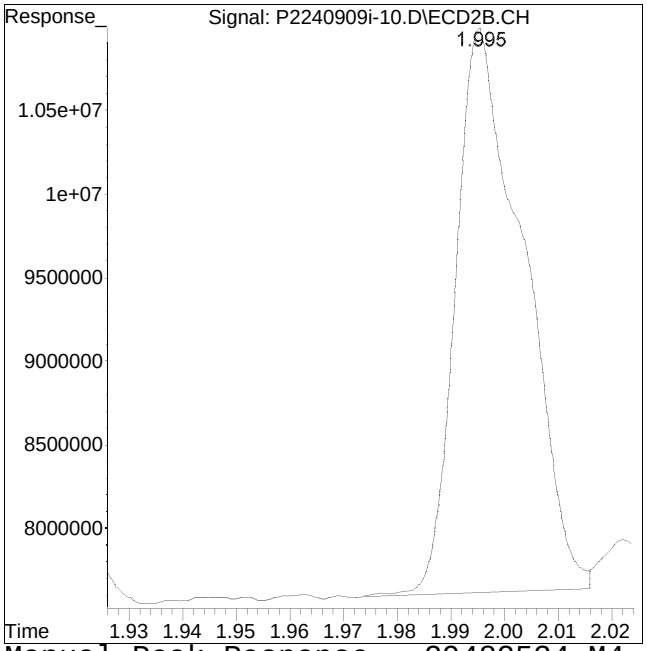
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #56: 1016-2 #2



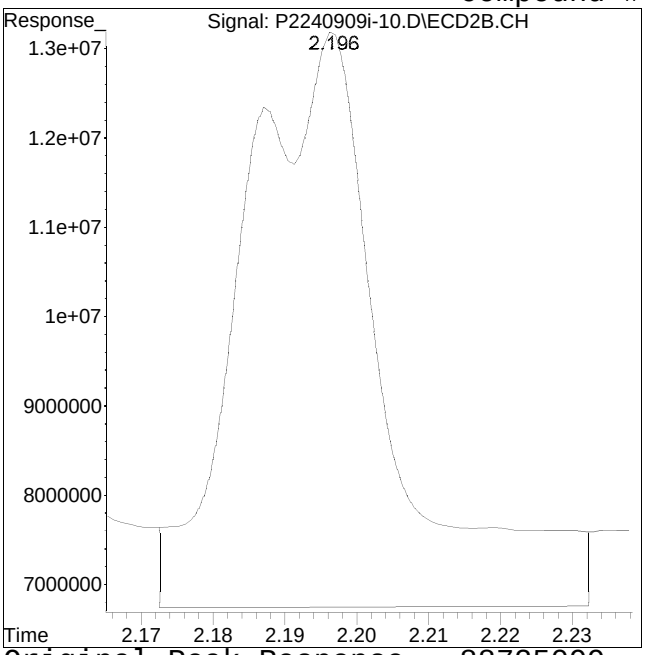


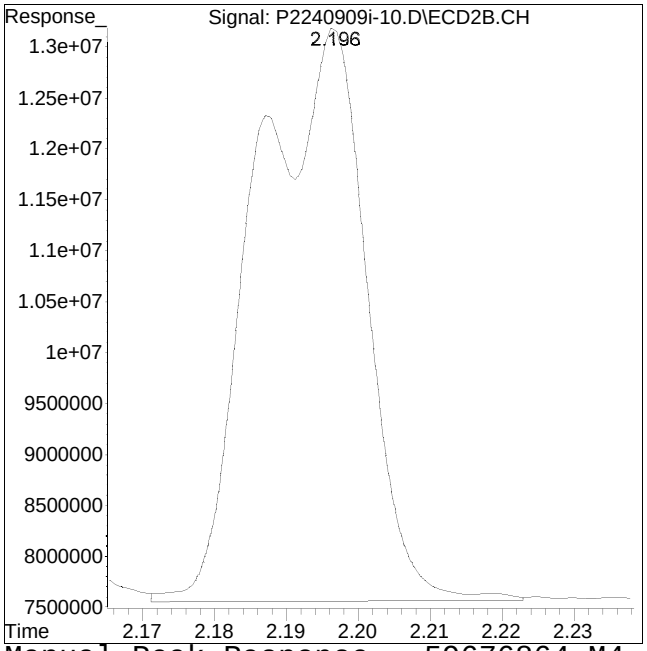
Original Peak Response = 73923277 Manual Peak Response = 29482534 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #57: 1016-3 #2



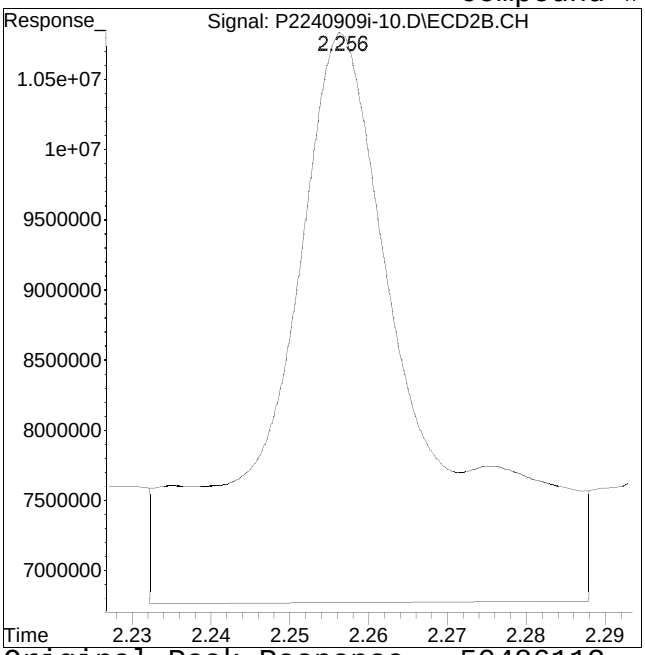


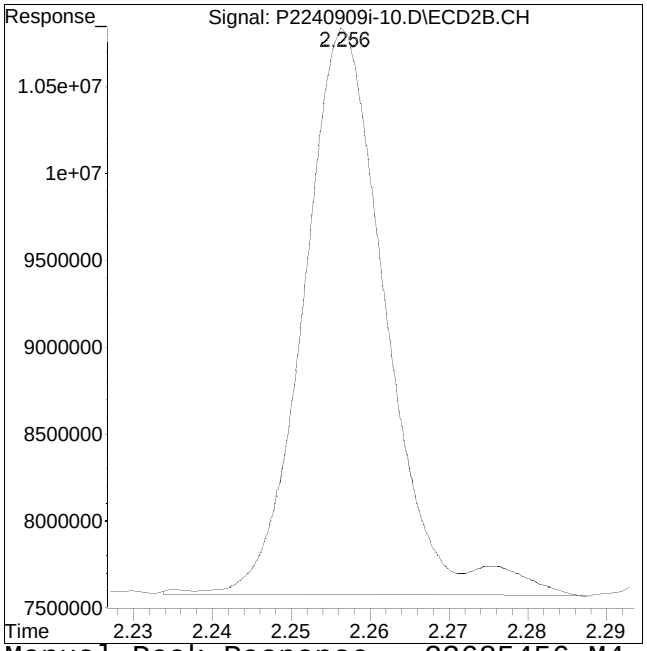
Original Peak Response = 88725099 Manual Peak Response = 59676864 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #58: 1016-4 #2



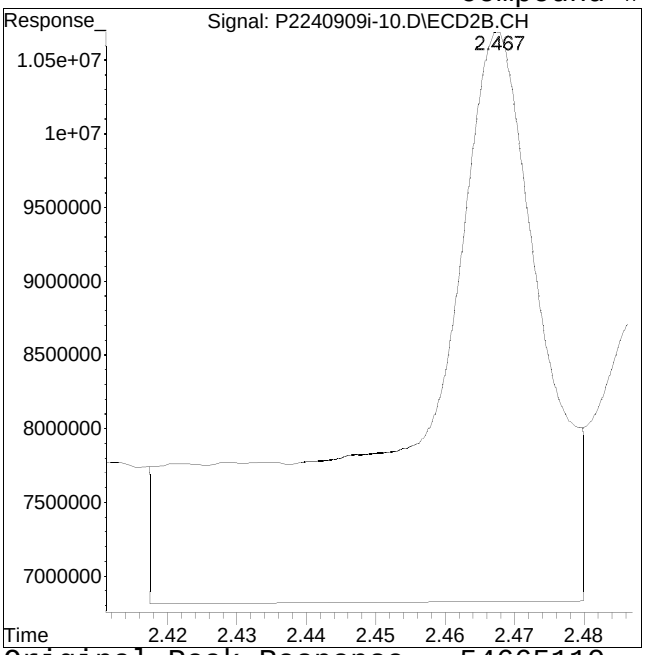


Original Peak Response = 50486112 Manual Peak Response = 23685456 M4
M4 = Poor automated baseline construction.

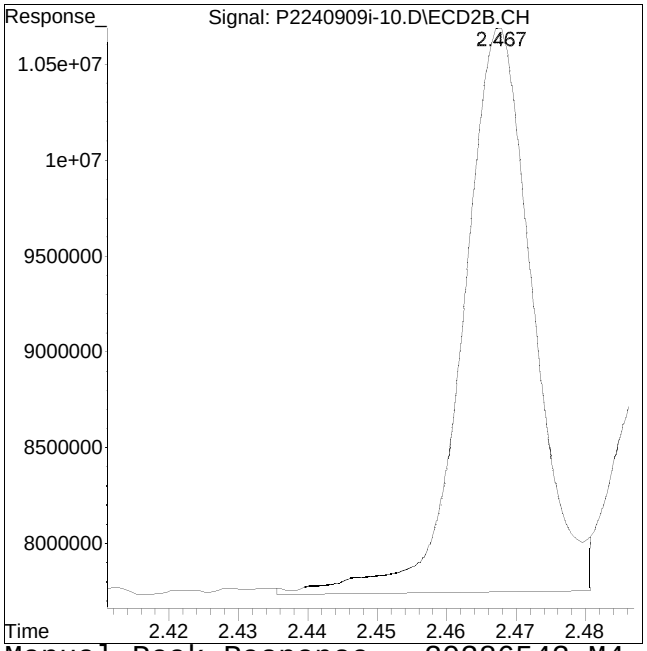
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #59: 1016-5 #2



Original Peak Response = 54665110



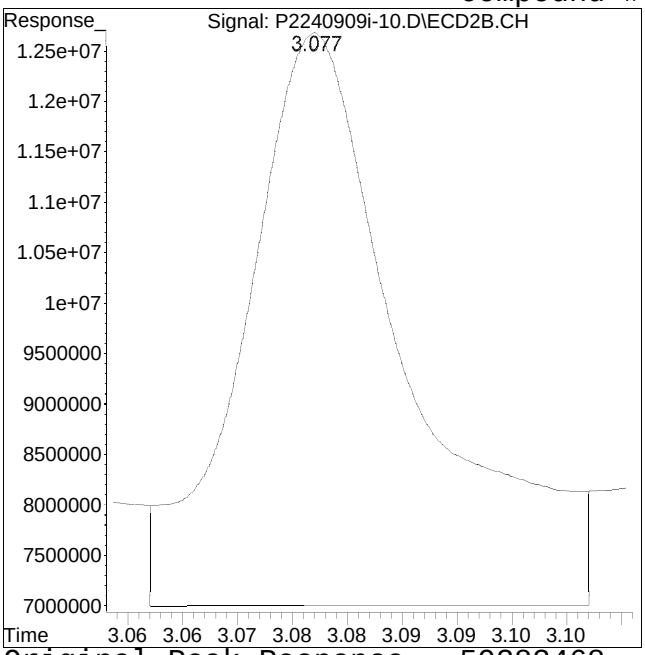
Manual Peak Response = 20386543 M4

M4 = Poor automated baseline construction.

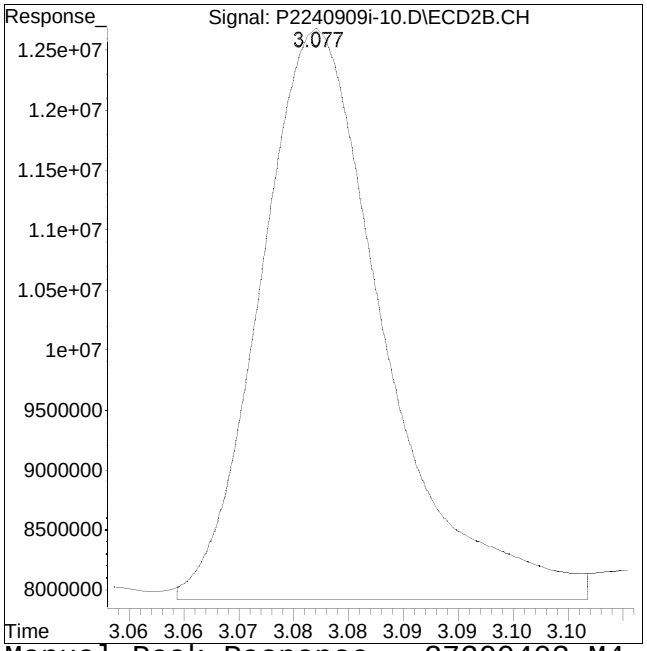
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #60: 1260-1 #2



Original Peak Response = 59383468



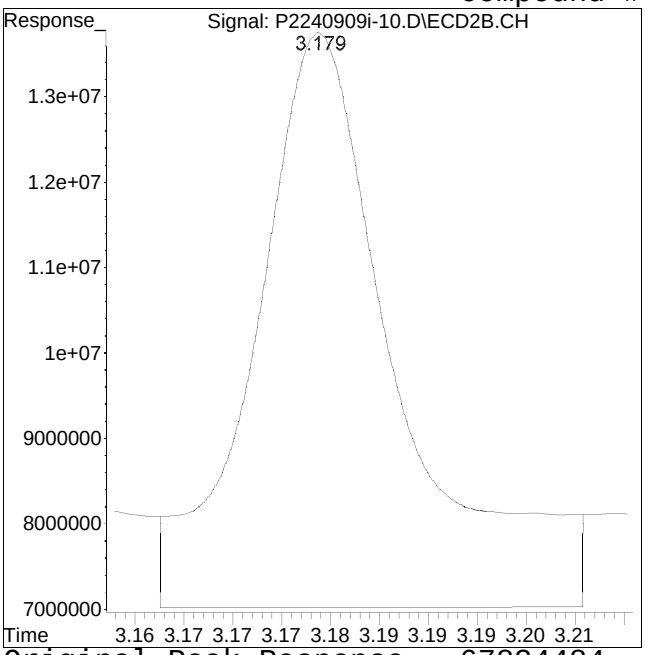
Manual Peak Response = 37300403 M4

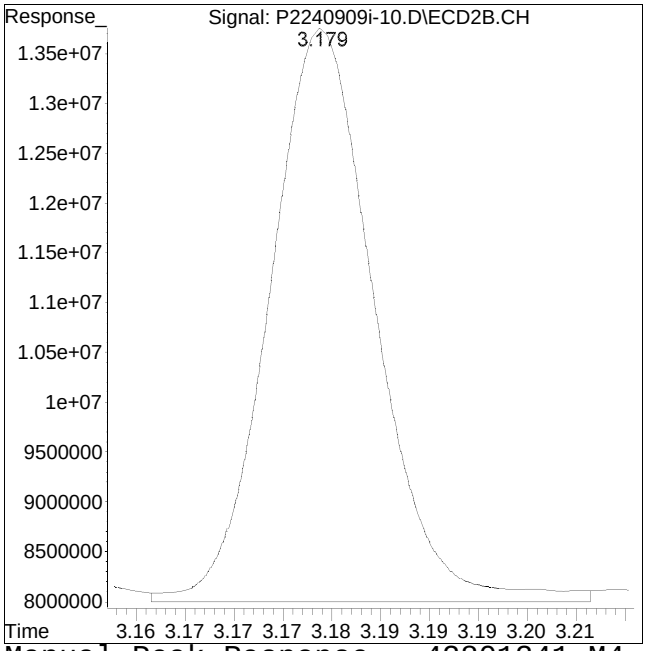
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #61: 1260-2 #2



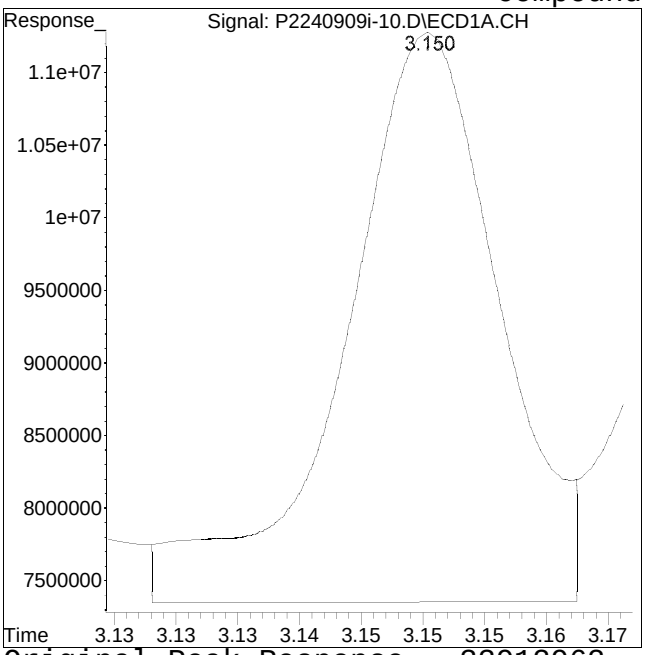


Original Peak Response = 67834484 Manual Peak Response = 42801341 M4
M4 = Poor automated baseline construction.

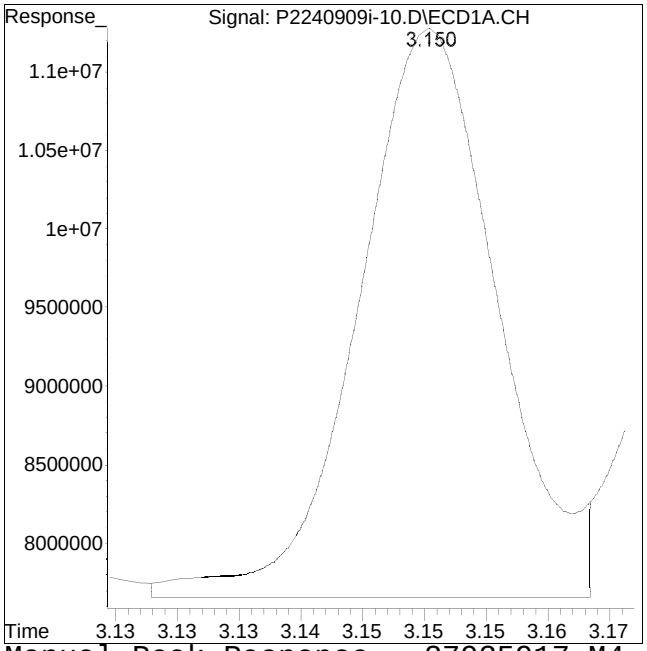
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #11: 1260-3



Original Peak Response = 33912962



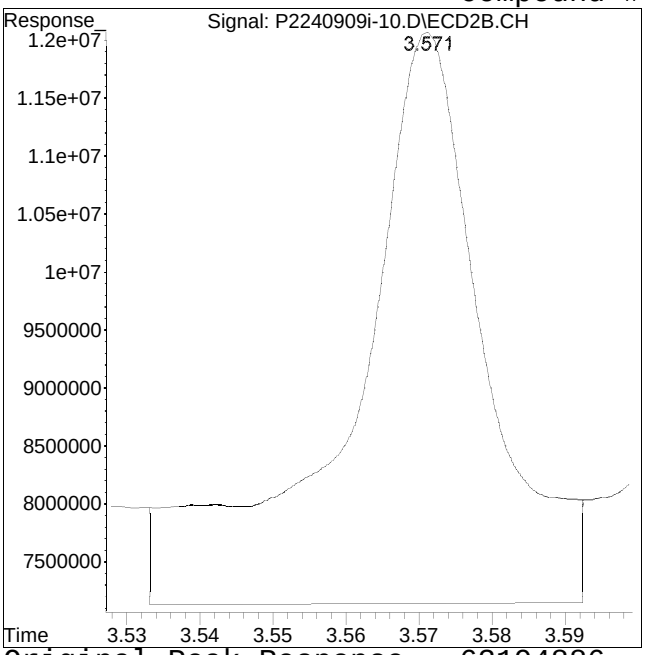
Manual Peak Response = 27935917 M4

M4 = Poor automated baseline construction.

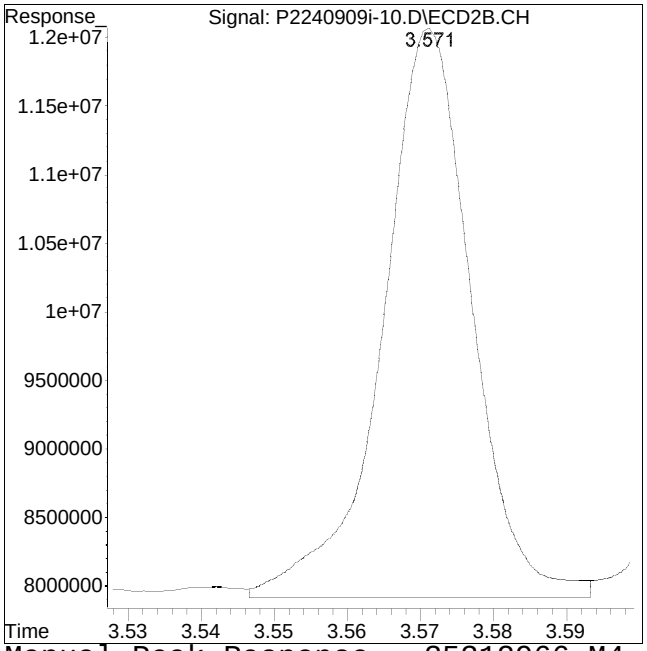
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #62: 1260-3 #2



Original Peak Response = 63194886

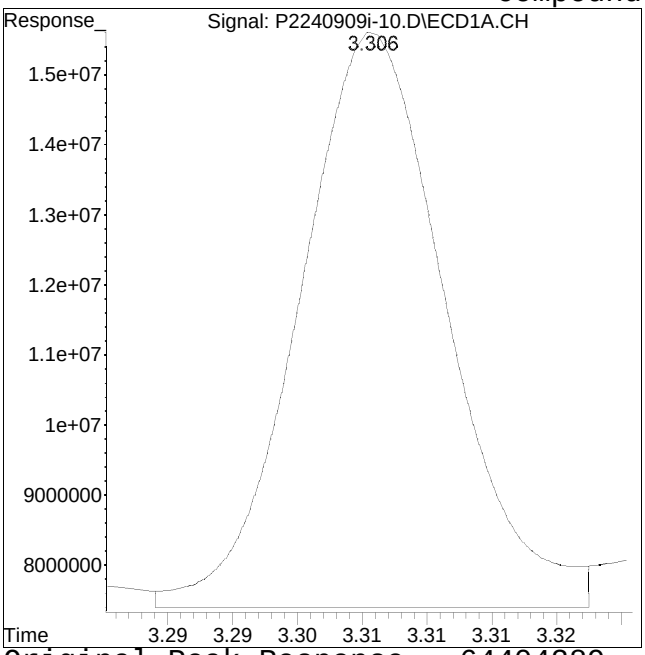


Manual Peak Response = 35312966 M4
M4 = Poor automated baseline construction.

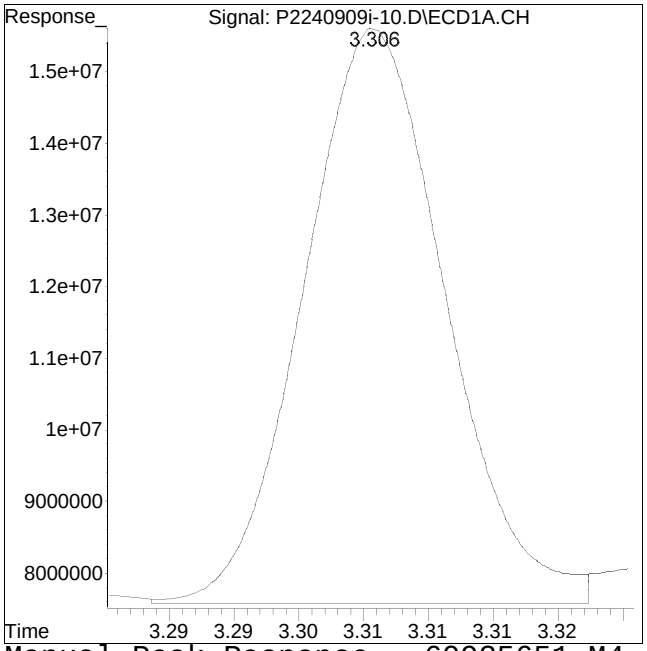
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #12: 1260-4



Original Peak Response = 64404289



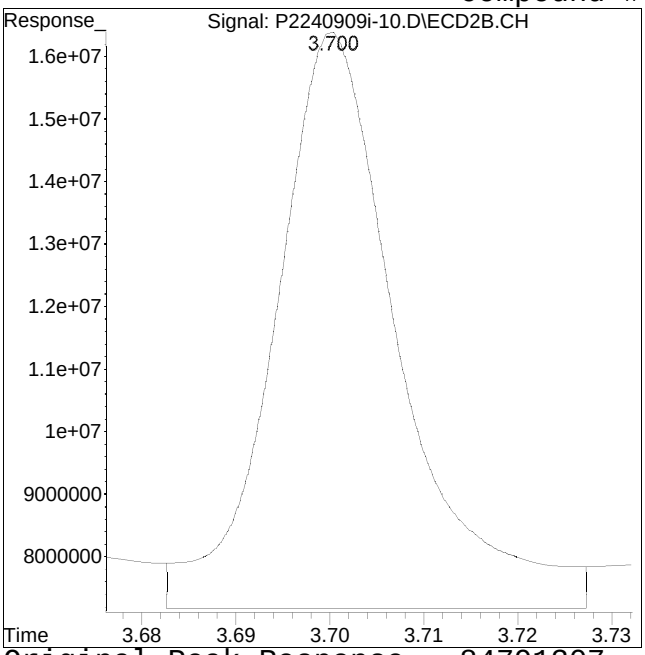
Manual Peak Response = 60935651 M4

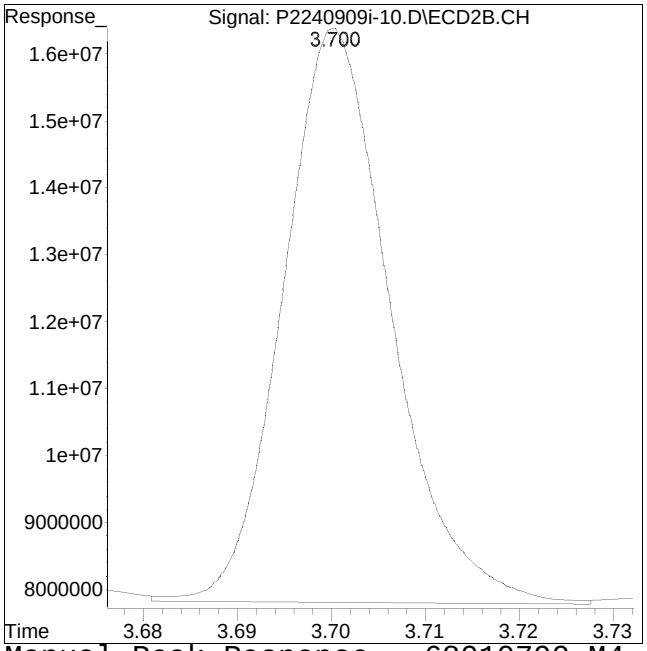
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #63: 1260-4 #2



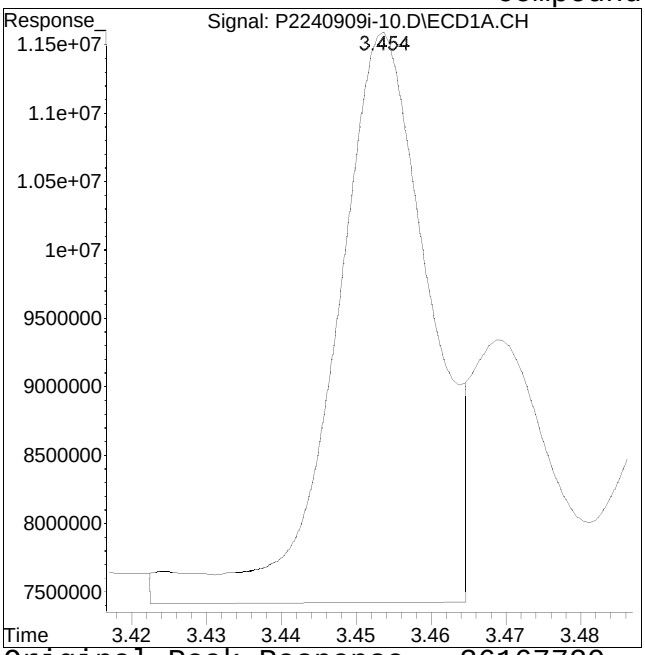


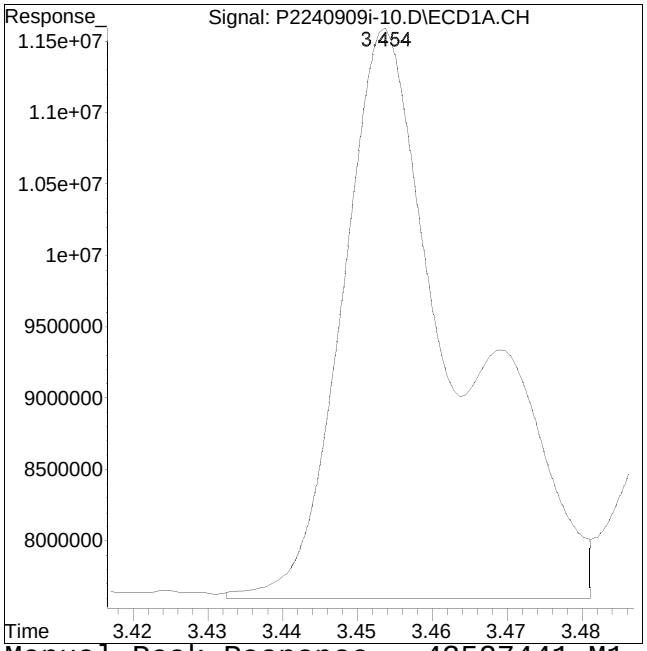
Original Peak Response = 84791307 Manual Peak Response = 68010790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #13: 1260-5



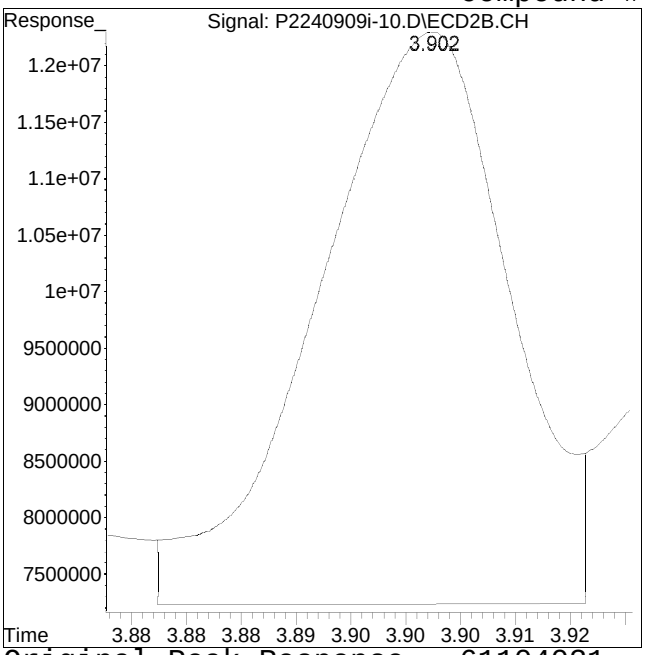


Original Peak Response = 36167720 Manual Peak Response = 43527441 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

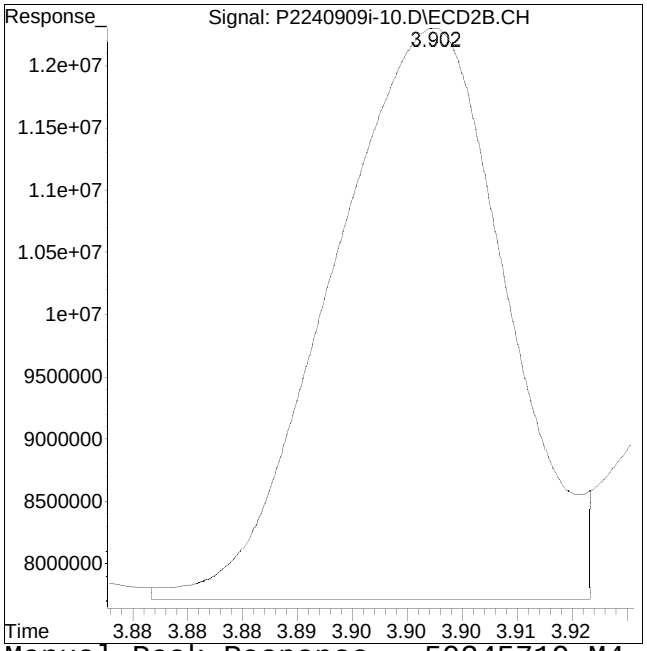
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-10.D Operator : pest2:kb
Date Inj'd : 9/9/2024 21:57 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 9/10/2024 10:11 am

Compound #64: 1260-5 #2



Original Peak Response = 61104031



Manual Peak Response = 50245719 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:06
Operator : pest2:kb
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:38 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.254	161.4E6	177.7E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	76851843	92830532	3.030	3.168M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		15.15%#	15.84%#
3) s	Decachlorobi	4.038	4.549	110.6E6	124.9E6	11.141	9.063M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		55.71%	45.32%
	Target Compounds						
4) l1	1016-1	1.608	1.825	21871944	28320409	36.009M4	25.553M4
5) l1	1016-2	1.749	1.995	49261607	58306102	16.672M4	20.499M4
6) l1	1016-3	1.937	2.197	94795792	116.4E6	47.831M4	43.124M4
7) l1	1016-4	1.992	2.257	40606465	47047985	30.150M4	28.673M4
8) l1	1016-5	2.162	2.468	43175110	38224275	16.456M4	18.681M4
	Sum 1016-1			249.7E6	288.3E6	147.119	136.530
	Average 1016-1					29.424	27.306
9) l2	1260-1	2.705	3.077	63018262	75385473	41.523	42.889M4
10) l2	1260-2	2.835	3.179	92616979	86714493	51.129	41.215M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:06
Operator : pest2:kb
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:38 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.150	3.571	56604562	73991972	37.691M4	26.771M4
12) l2	1260-4	3.306	3.700	121.1E6	142.6E6	60.196M4	51.447M4
13) l2	1260-5	3.454	3.902	85740342	101.9E6	48.716M1	38.968M4
Sum	1260-1			419.1E6	480.6E6	NoCal	NoCal D
Average	1260-1					47.851	40.258
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:06
Operator : pest2:kb
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:38 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:06
Operator : pest2:kb
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:38 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

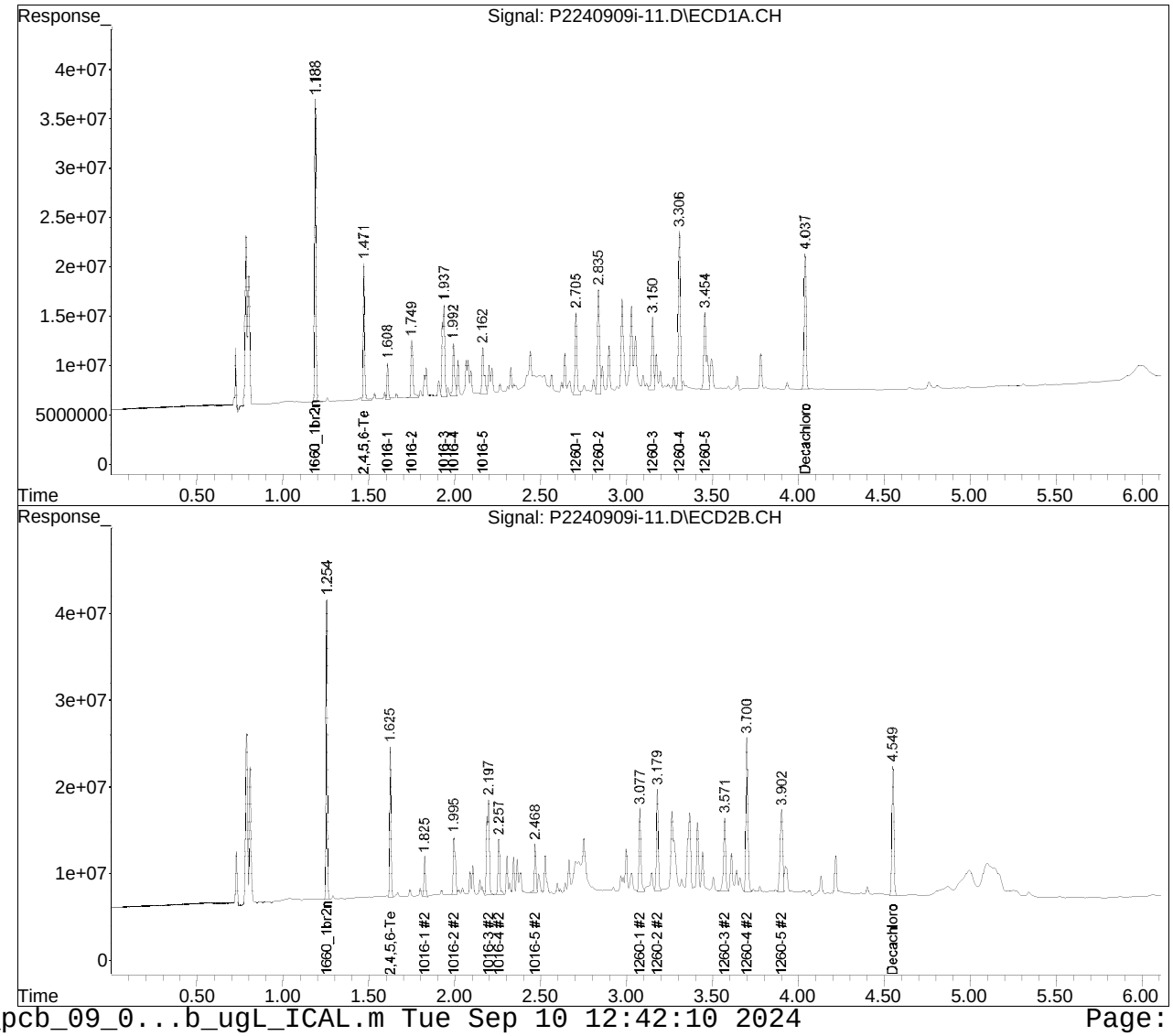
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:06
Operator : pest2:kb
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:38 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

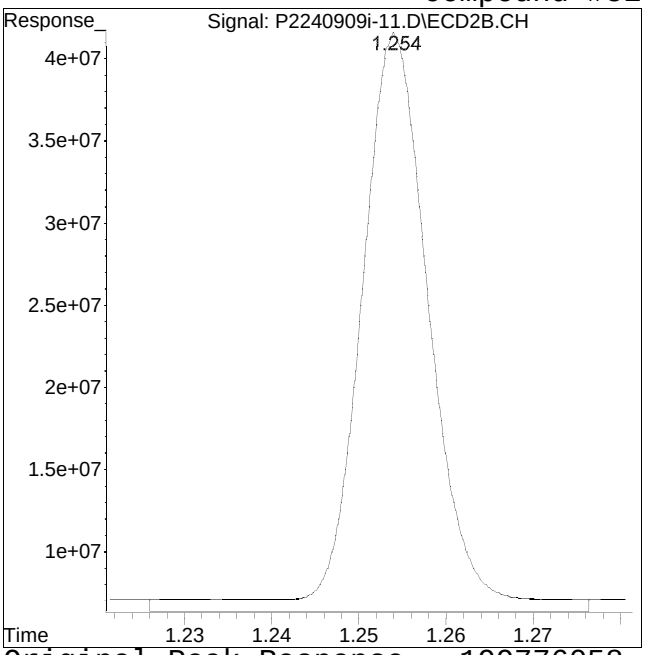
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

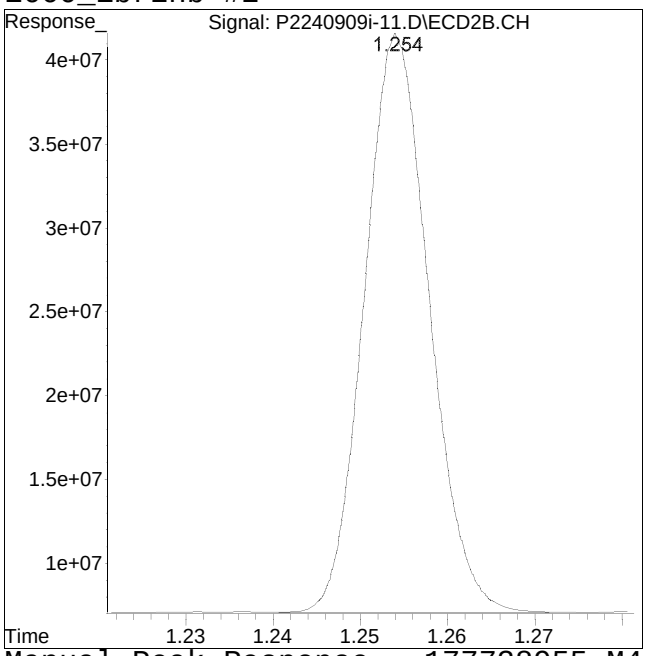


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #52: 1660_1br2nb #2



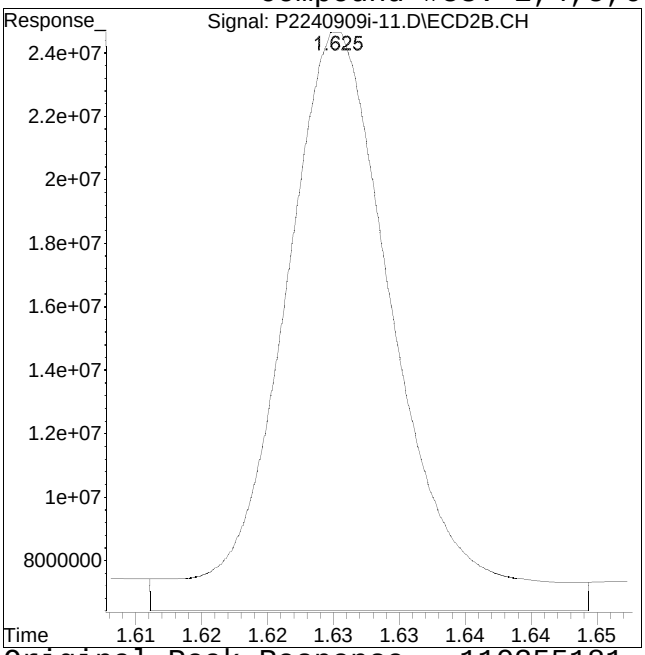


Original Peak Response = 199776058 Manual Peak Response = 177738955 M4
M4 = Poor automated baseline construction.

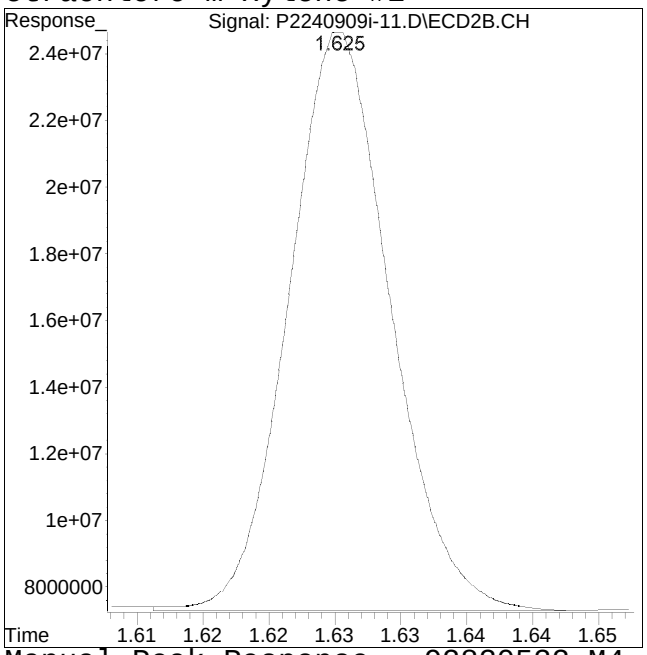
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 110355181



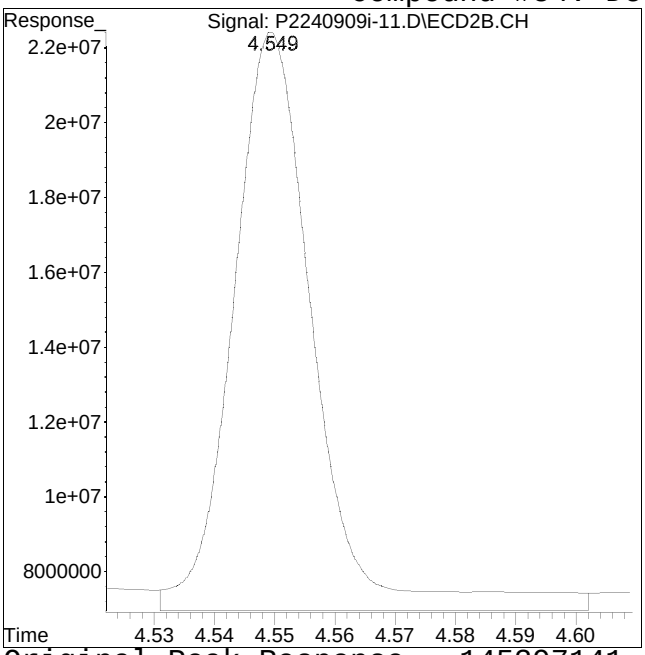
Manual Peak Response = 92830532 M4

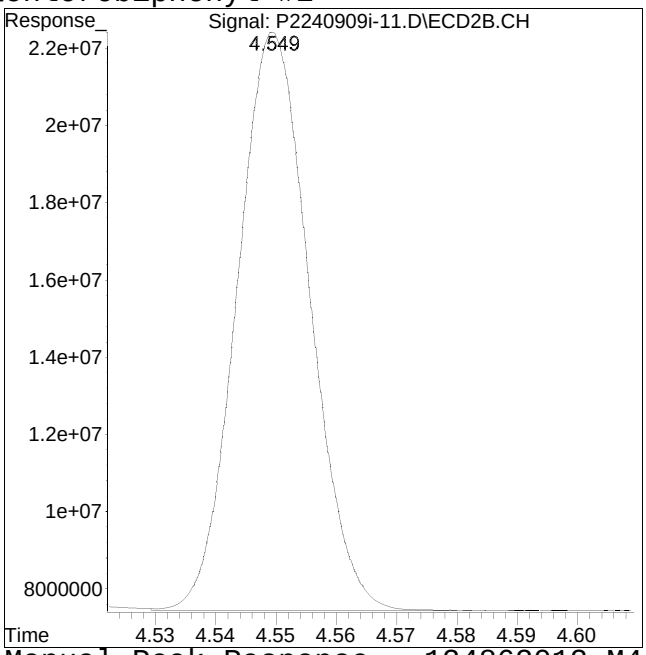
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #54: Decachlorobiphenyl #2



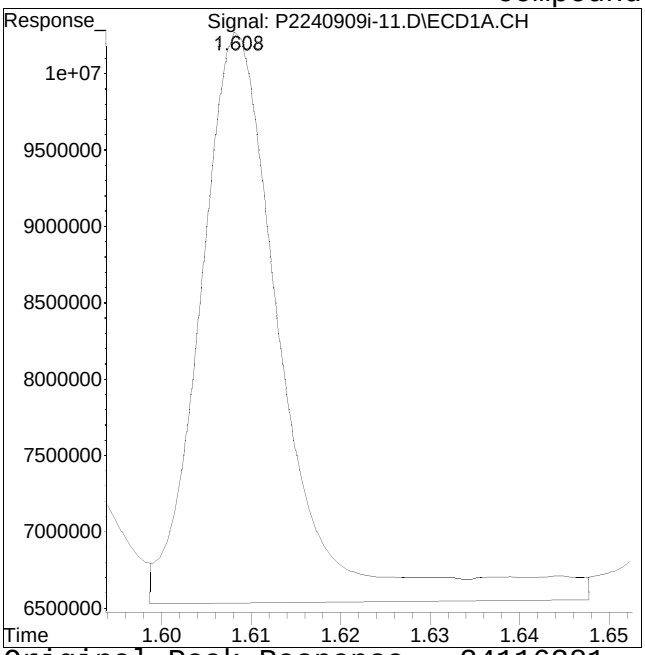


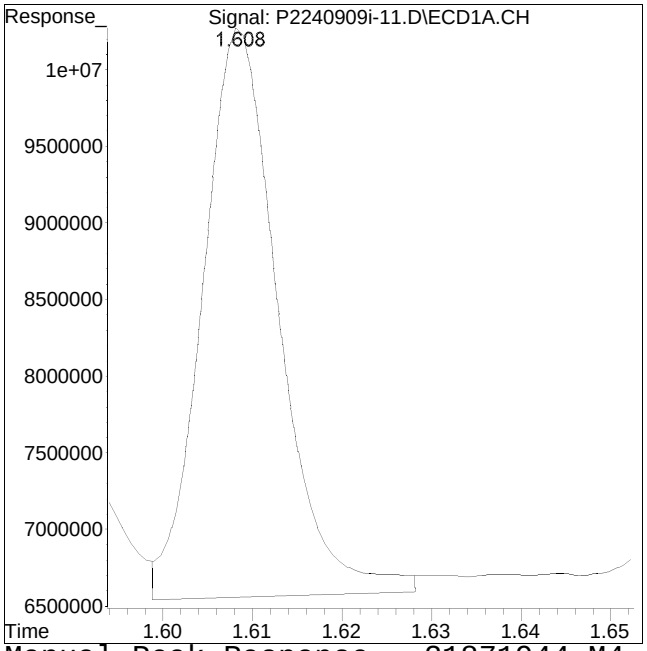
Original Peak Response = 145397141 Manual Peak Response = 124862012 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #4: 1016-1



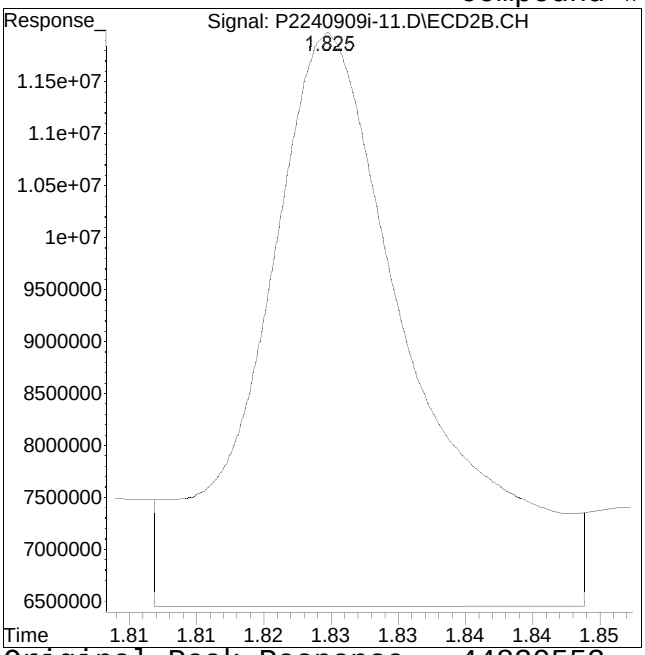


Original Peak Response = 24116381 Manual Peak Response = 21871944 M4
M4 = Poor automated baseline construction.

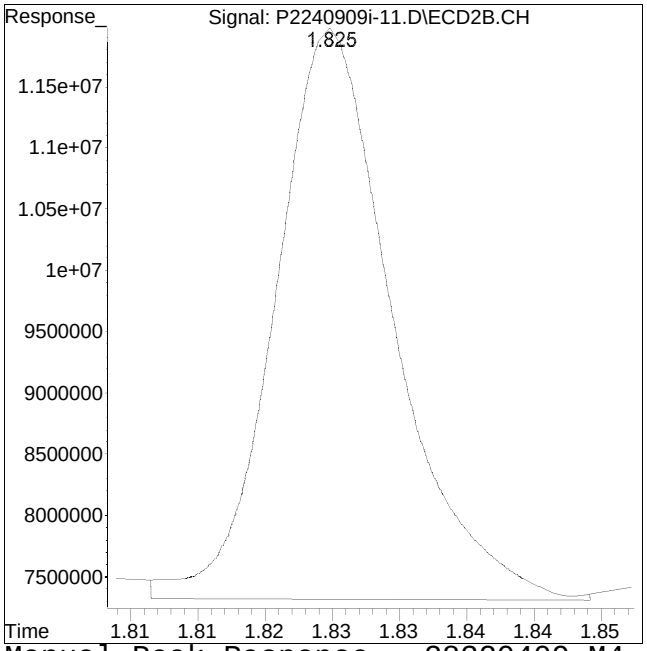
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #55: 1016-1 #2



Original Peak Response = 44830553



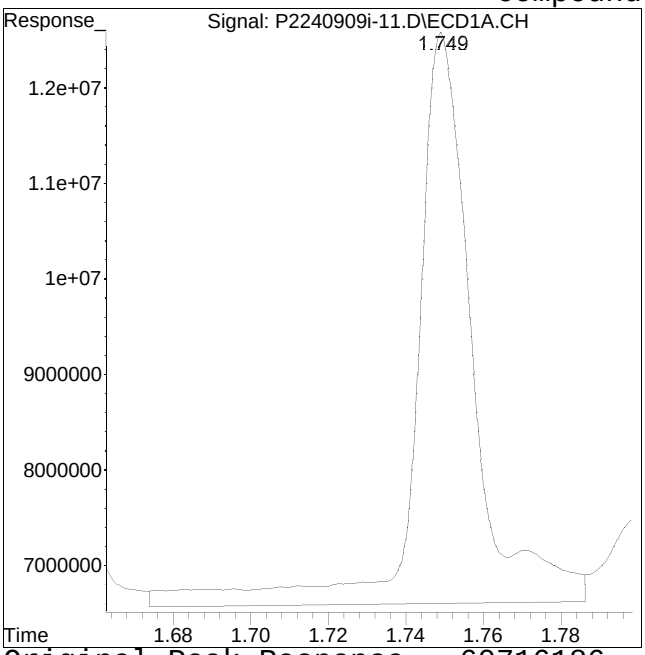
Manual Peak Response = 28320409 M4

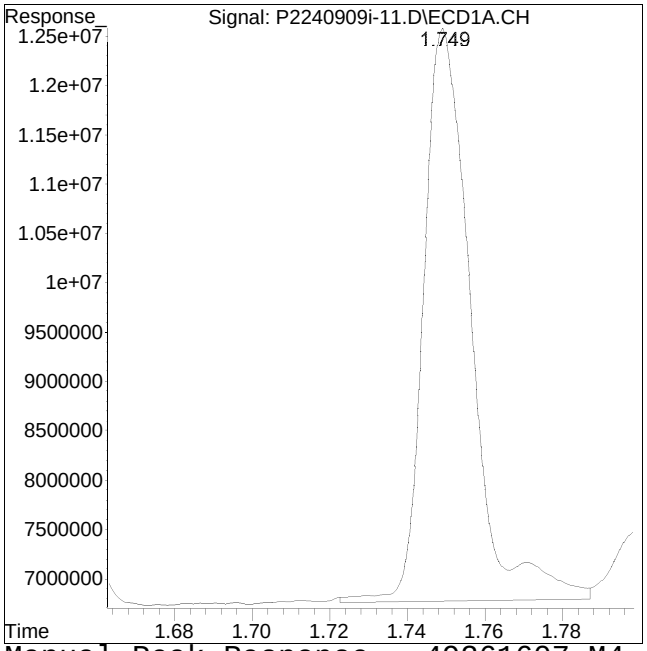
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #5: 1016-2



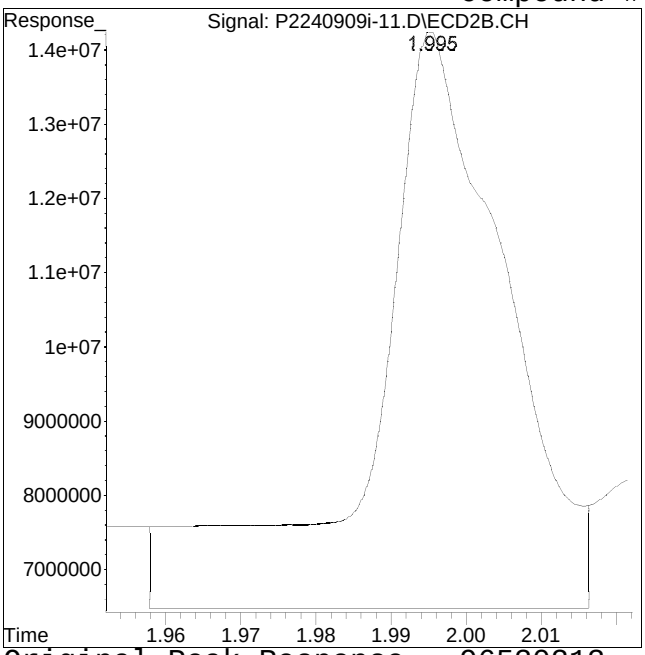


Original Peak Response = 60716186 Manual Peak Response = 49261607 M4
M4 = Poor automated baseline construction.

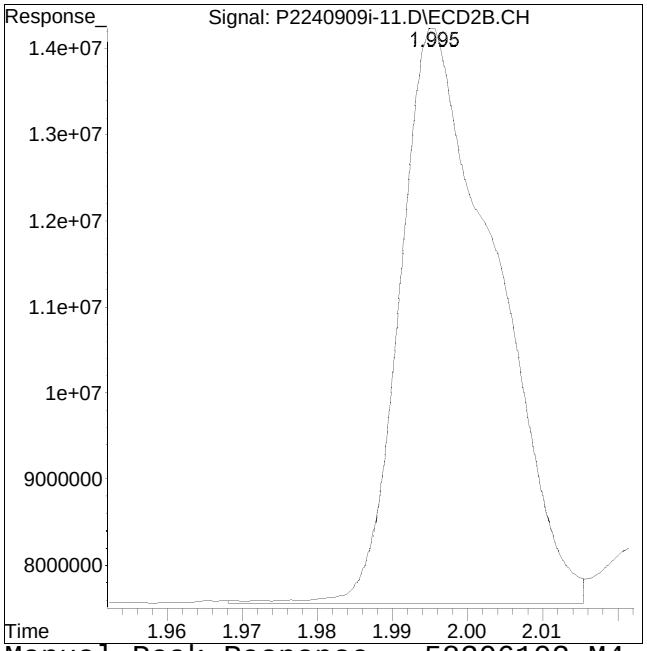
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #56: 1016-2 #2



Original Peak Response = 96530213



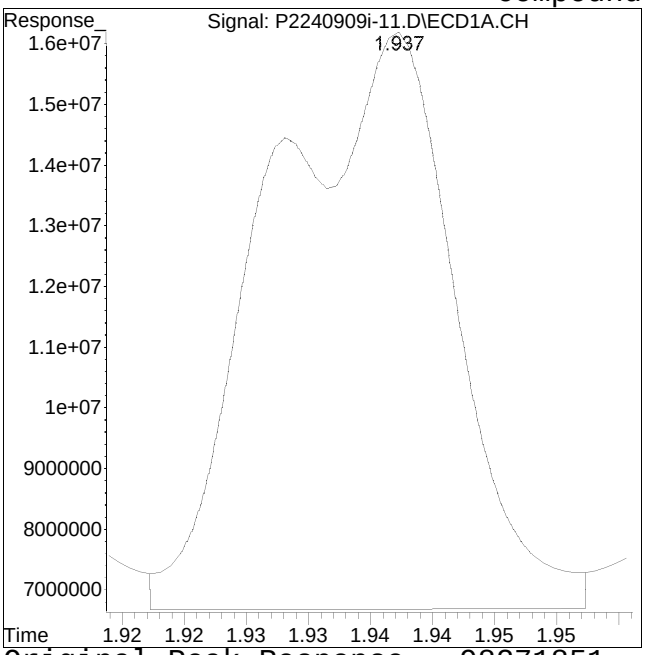
Manual Peak Response = 58306102 M4

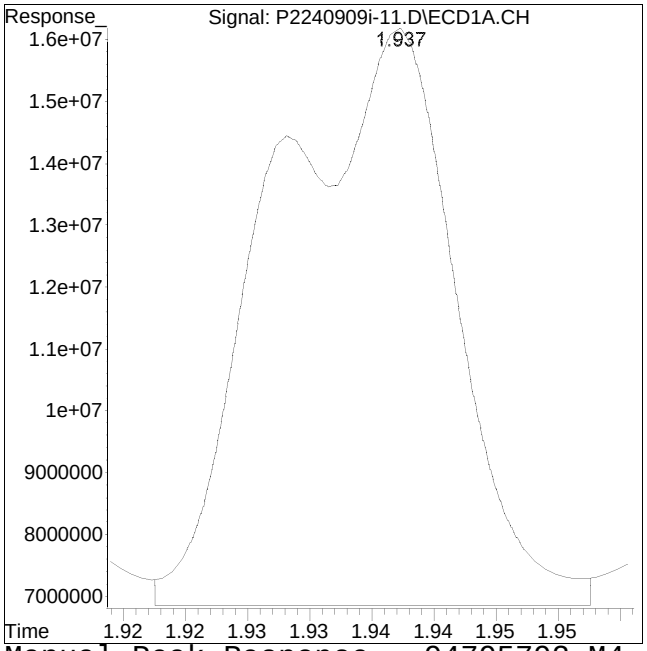
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #6: 1016-3



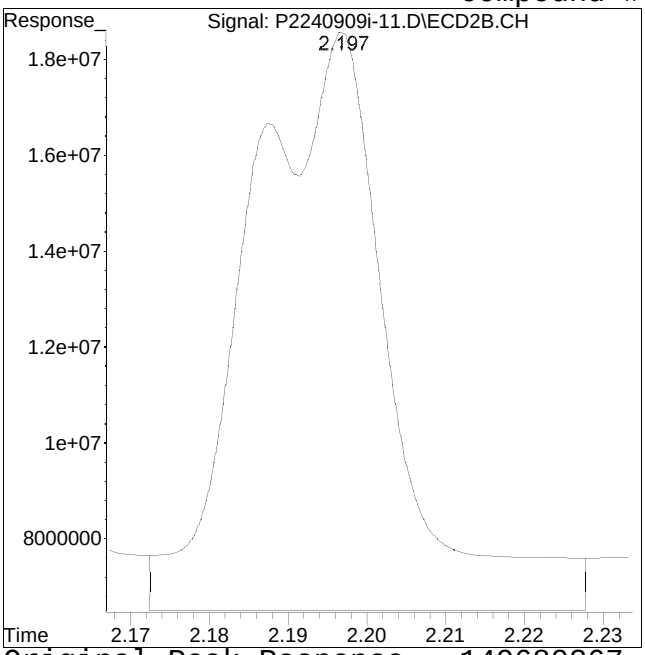


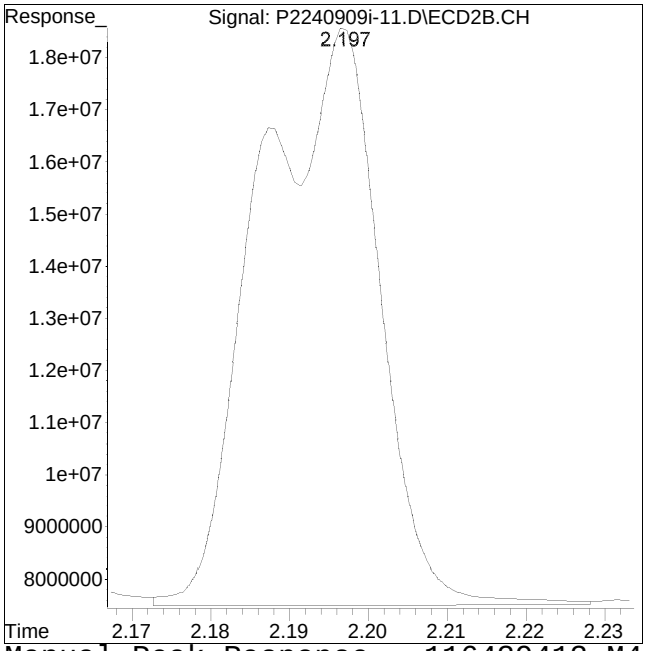
Original Peak Response = 98271851 Manual Peak Response = 94795792 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #57: 1016-3 #2



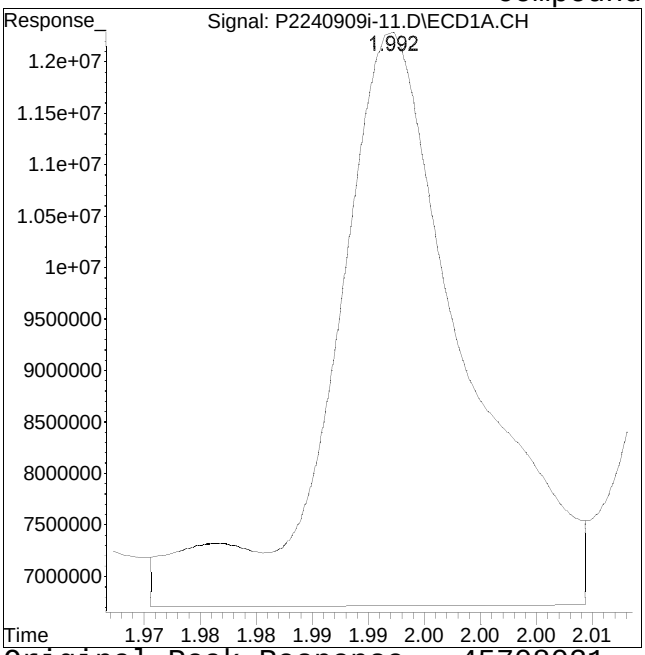


Original Peak Response = 149680367 Manual Peak Response = 116439413 M4
M4 = Poor automated baseline construction.

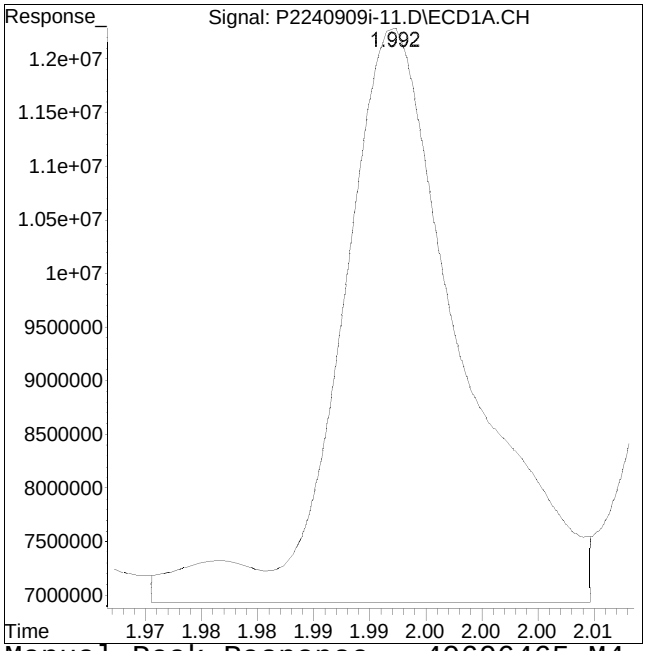
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #7: 1016-4



Original Peak Response = 45708031



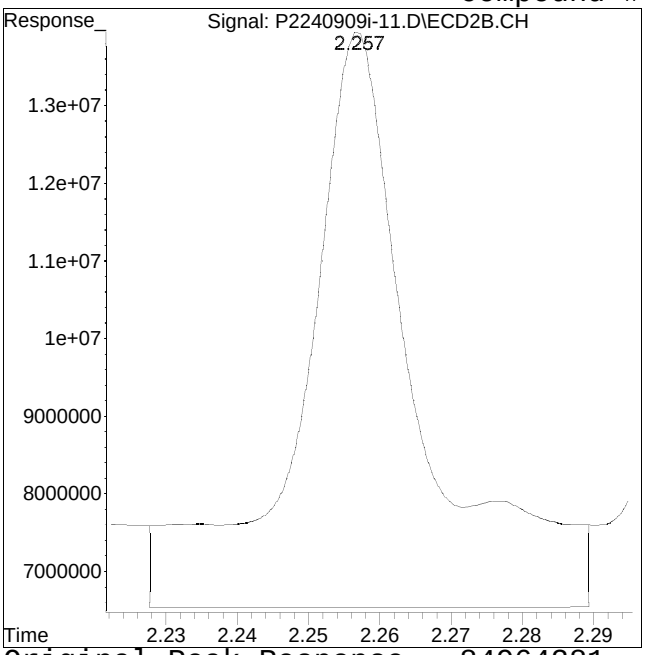
Manual Peak Response = 40606465 M4

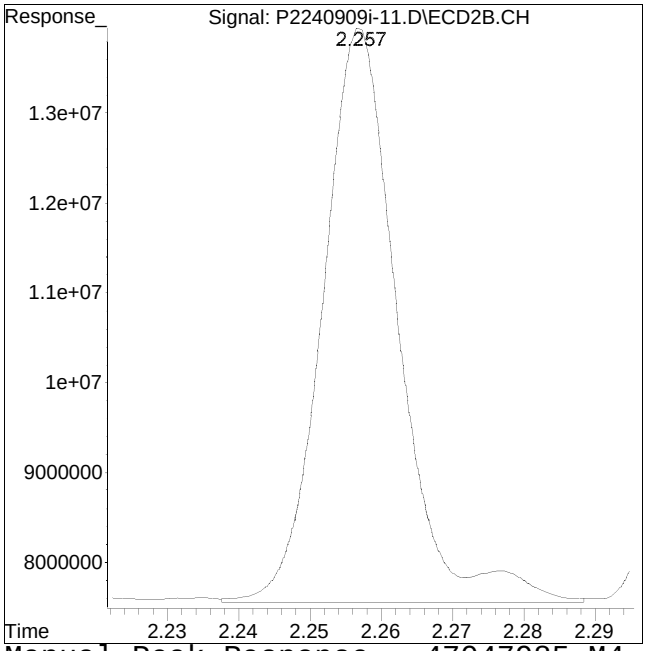
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #58: 1016-4 #2



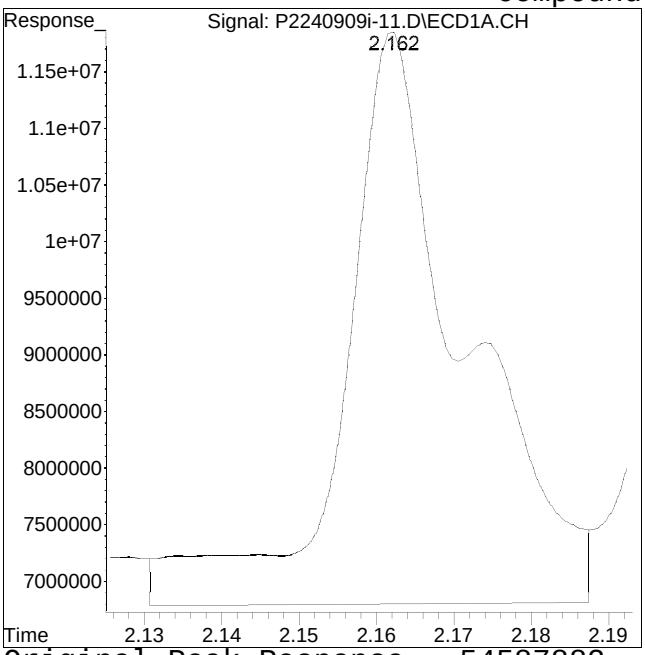


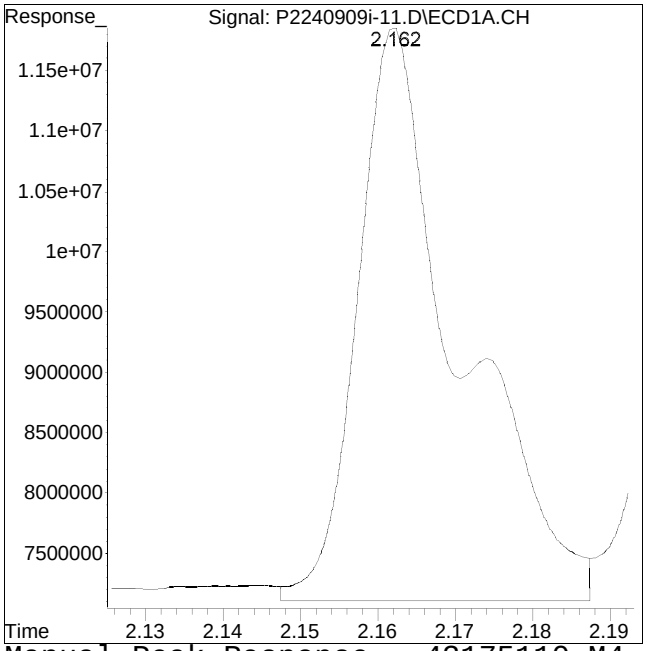
Original Peak Response = 84964281 Manual Peak Response = 47047985 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #8: 1016-5



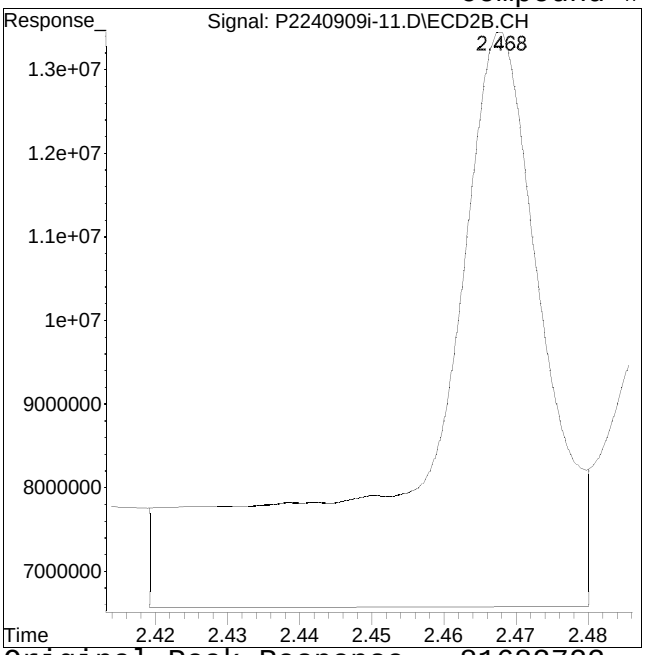


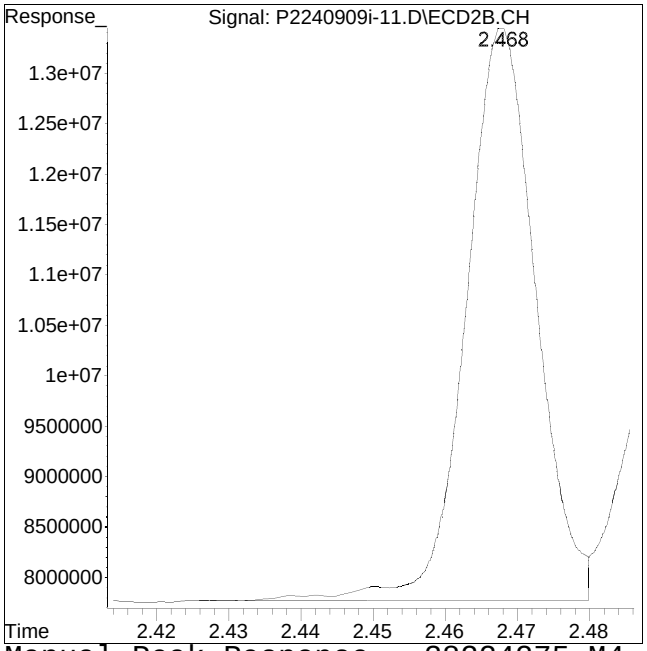
Original Peak Response = 54587882 Manual Peak Response = 43175110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #59: 1016-5 #2



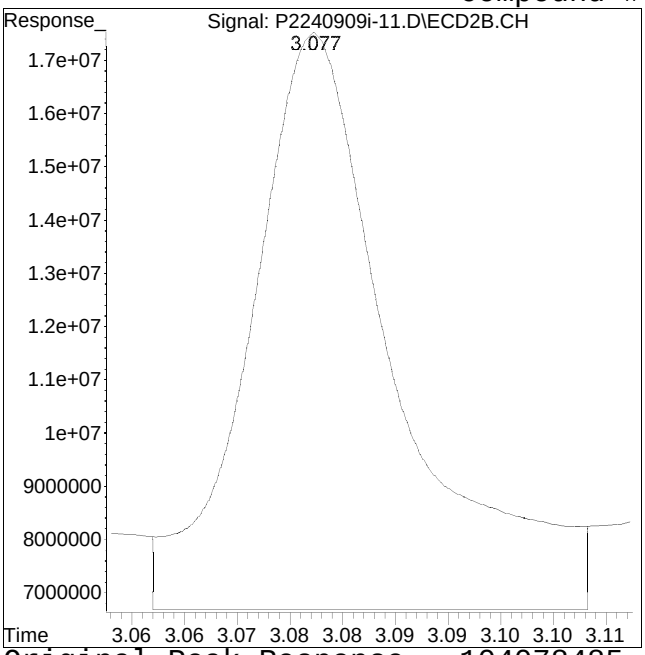


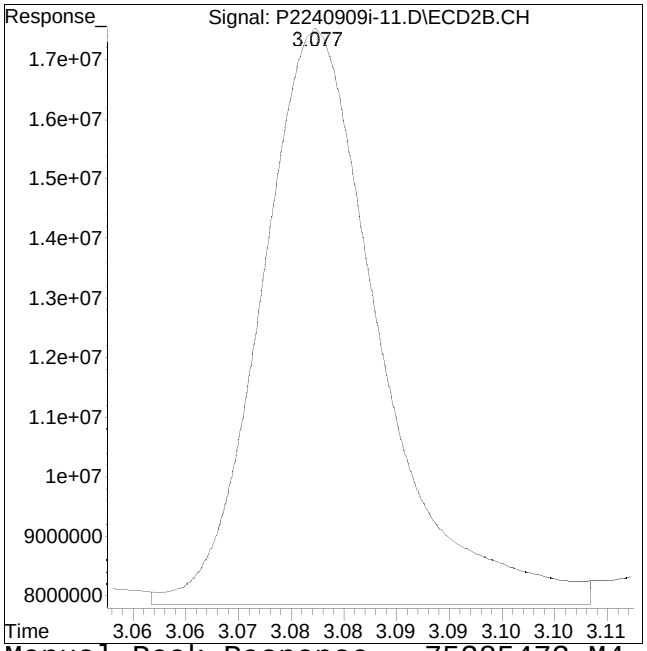
Original Peak Response = 81682722 Manual Peak Response = 38224275 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #60: 1260-1 #2



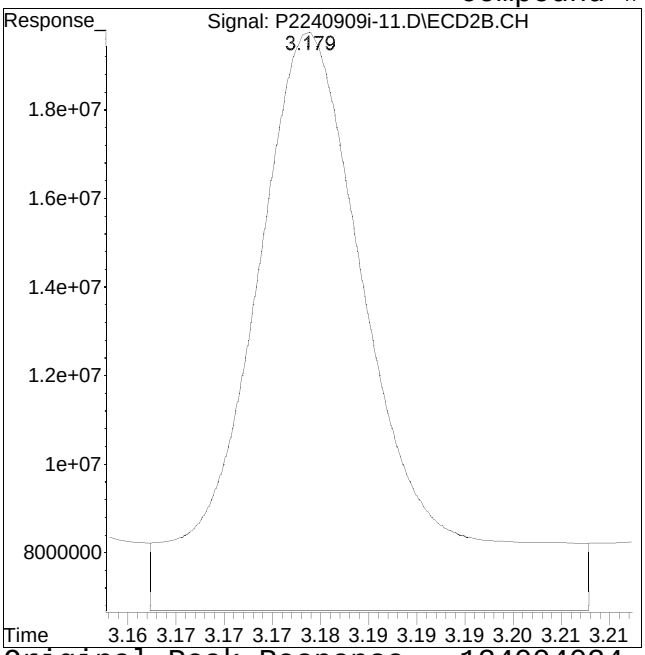


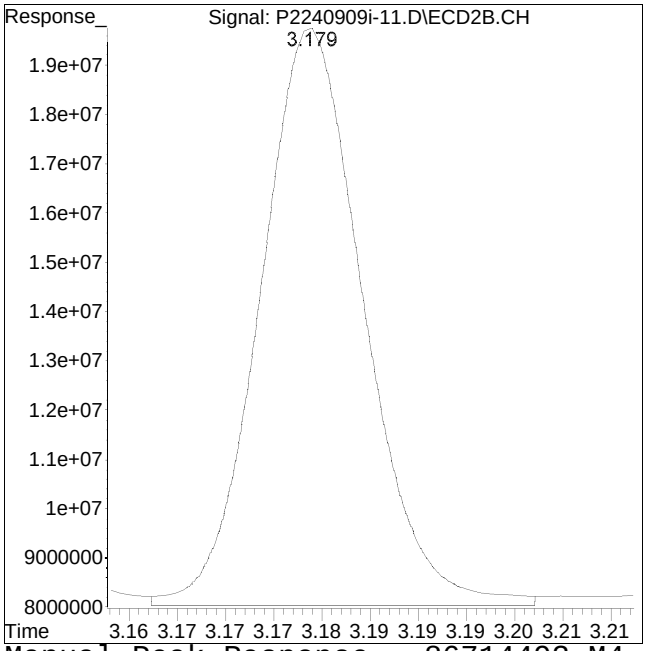
Original Peak Response = 104078485 Manual Peak Response = 75385473 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #61: 1260-2 #2



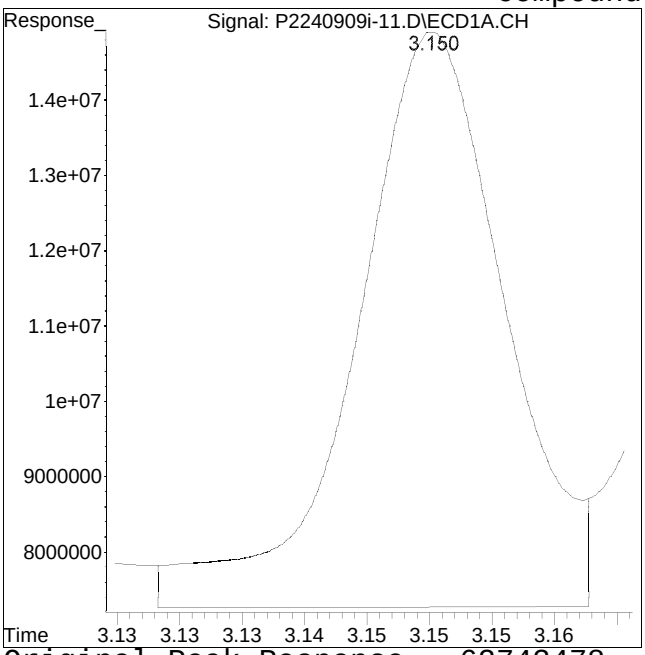


Original Peak Response = 124004024 Manual Peak Response = 86714493 M4
M4 = Poor automated baseline construction.

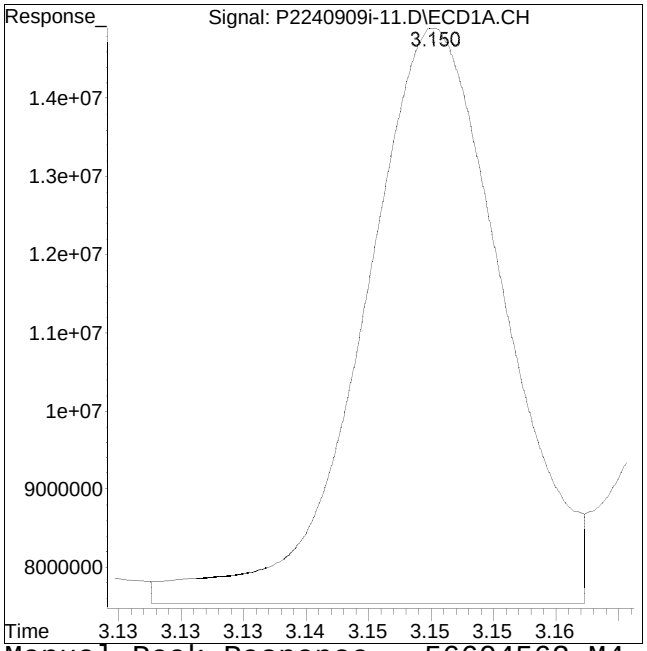
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #11: 1260-3



Original Peak Response = 62743478



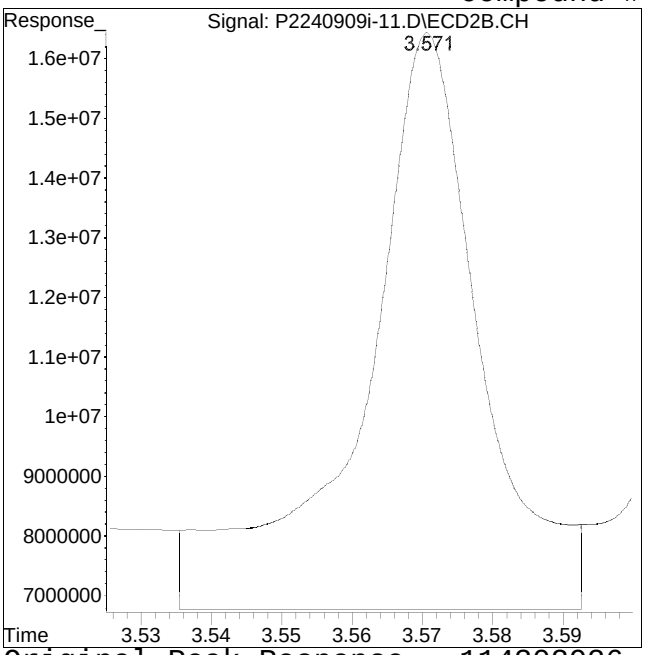
Manual Peak Response = 56604562 M4

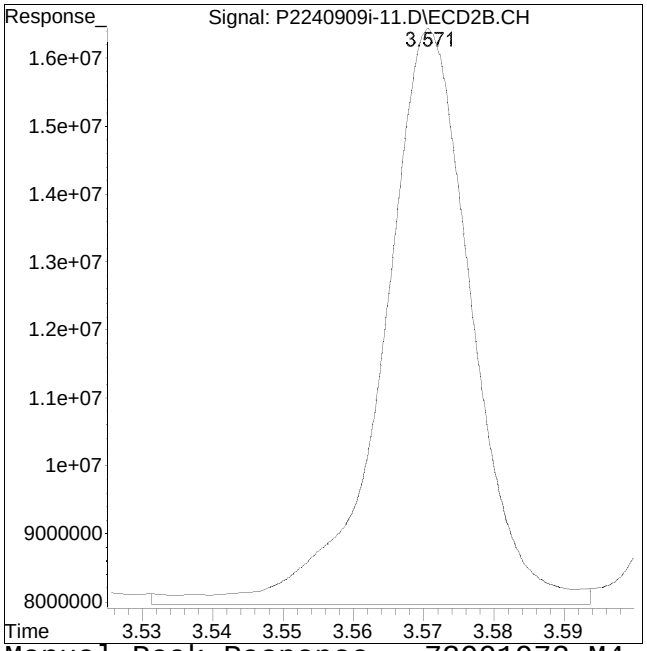
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #62: 1260-3 #2



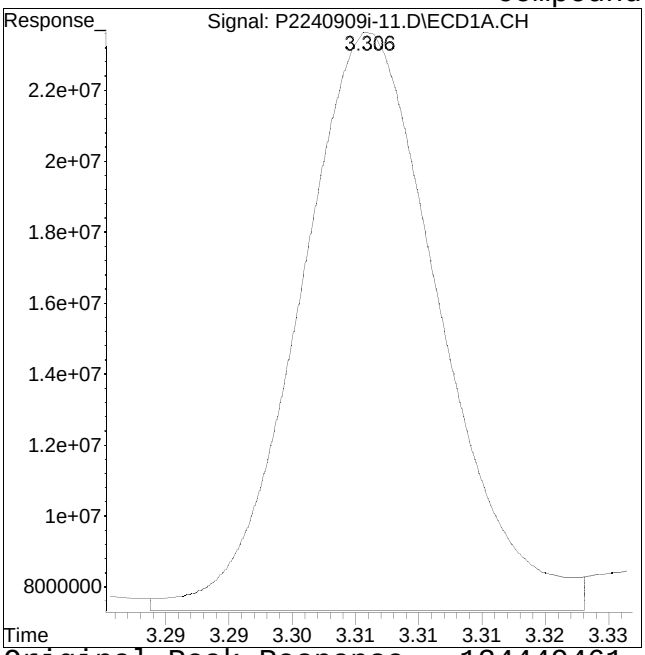


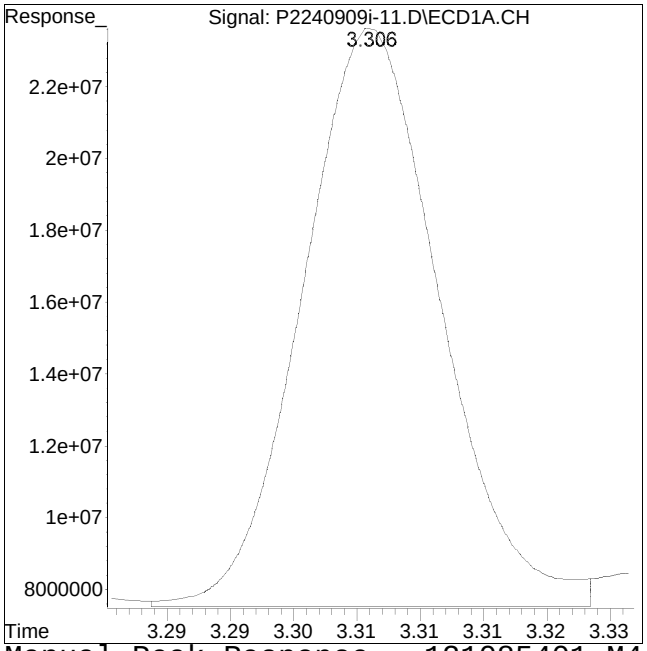
Original Peak Response = 114302926 Manual Peak Response = 73991972 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #12: 1260-4



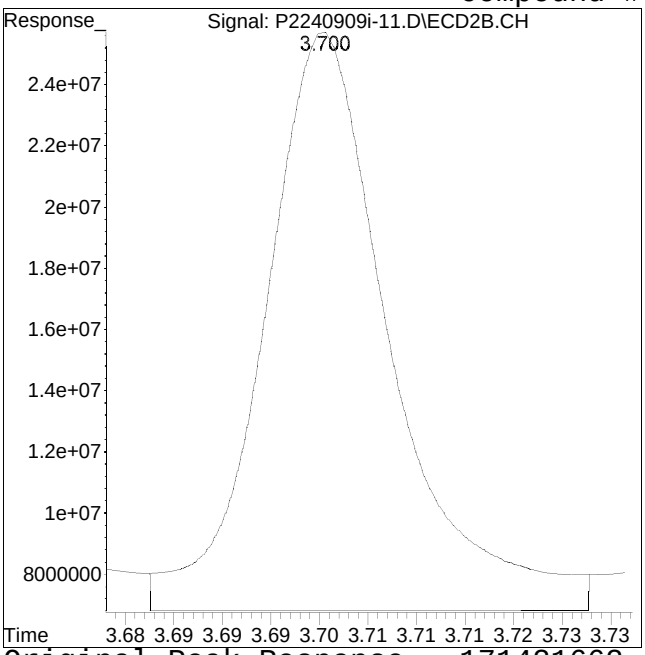


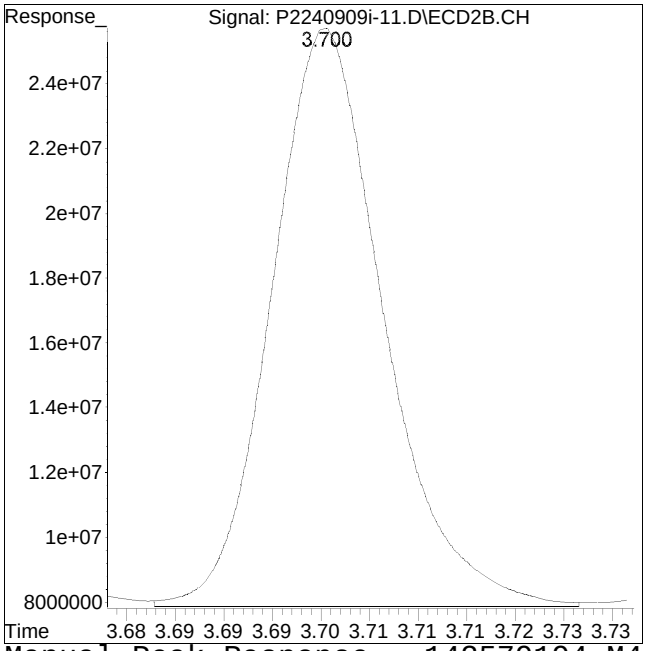
Original Peak Response = 124449461 Manual Peak Response = 121085401 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #63: 1260-4 #2



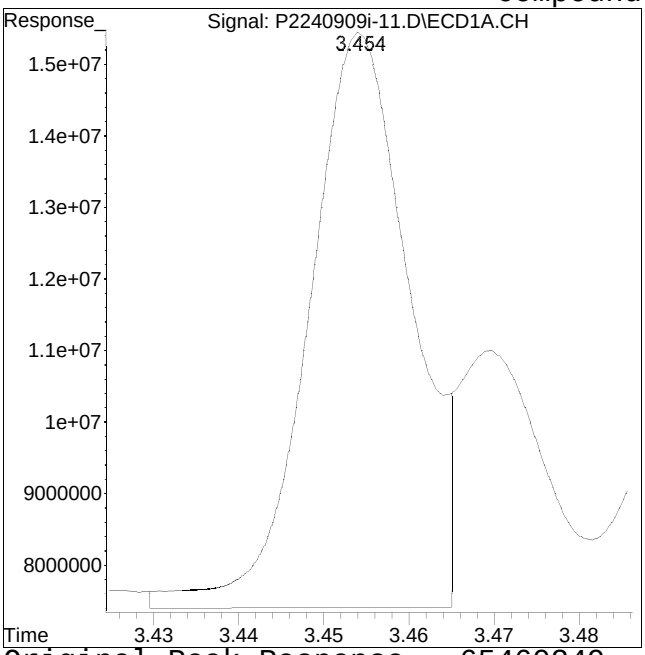


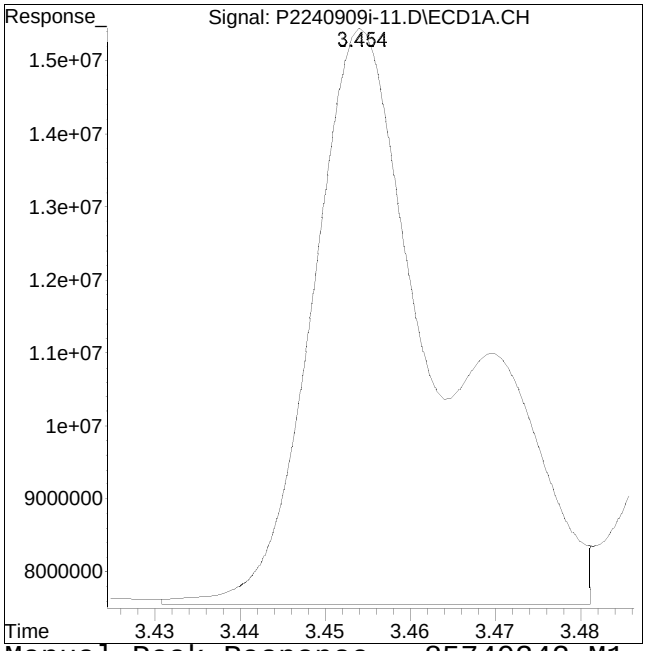
Original Peak Response = 171421662 Manual Peak Response = 142579194 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #13: 1260-5



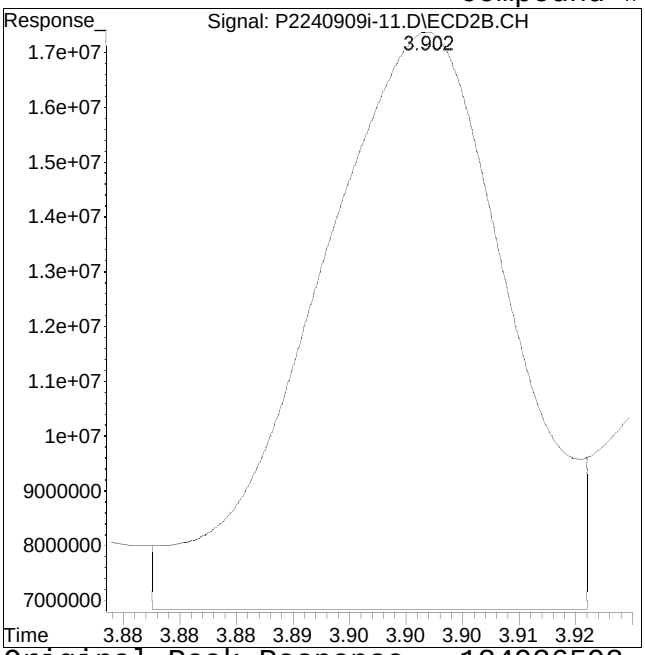


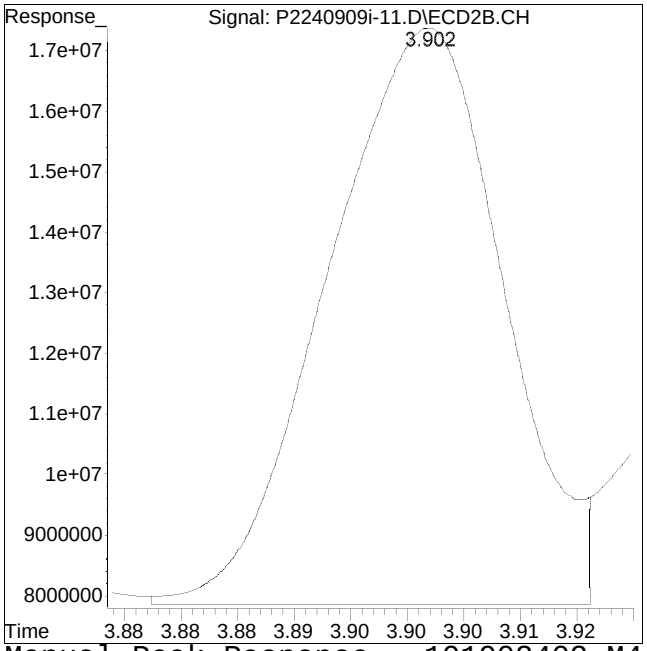
Original Peak Response = 65460249 Manual Peak Response = 85740342 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-11.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:06 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:11 am

Compound #64: 1260-5 #2





Original Peak Response = 124936593 Manual Peak Response = 101902402 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:16
Operator : pest2:kb
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:51 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.188	1.254	154.1E6	169.2E6	25.000M4	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.626	189.4E6	225.4E6	8.740	8.931
	Spiked Amount	20.000	Range 30 - 150		Recovery =	43.70%	44.65%
3) s	Decachlorobi	4.038	4.551	278.3E6	271.8E6	30.138	21.893
	Spiked Amount	20.000	Range 30 - 150		Recovery =	150.69%#	109.47%
	Target Compounds						
4) l1	1016-1	1.609	1.826	50223689	64206675	98.434	69.795
5) l1	1016-2	1.750	1.996	114.4E6	145.0E6	48.180	62.240
6) l1	1016-3	1.938	2.197	233.3E6	268.2E6	137.061	116.115
7) l1	1016-4	1.992	2.257	101.1E6	108.8E6	90.519M1	78.084
8) l1	1016-5	2.162	2.468	109.2E6	90646739	51.760	53.430
	Sum 1016-1			608.1E6	676.9E6	425.954	379.665
	Average 1016-1					85.191	75.933
9) l2	1260-1	2.705	3.078	145.2E6	156.1E6	113.411	103.051
10) l2	1260-2	2.835	3.179	218.7E6	189.2E6	140.118	104.415
11) l2	1260-3	3.151	3.571	143.4E6	160.9E6	113.144	69.996
12) l2	1260-4	3.306	3.701	305.6E6	318.1E6	172.166	132.486
13) l2	1260-5	3.454	3.902	222.3E6	227.2E6	151.225M1	103.123
	Sum 1260-1			1035.2E6	1051.5E6	NoCal	NoCal D
	Average 1260-1					138.013	102.614

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:16
Operator : pest2:kb
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:51 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:16
Operator : pest2:kb
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:51 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

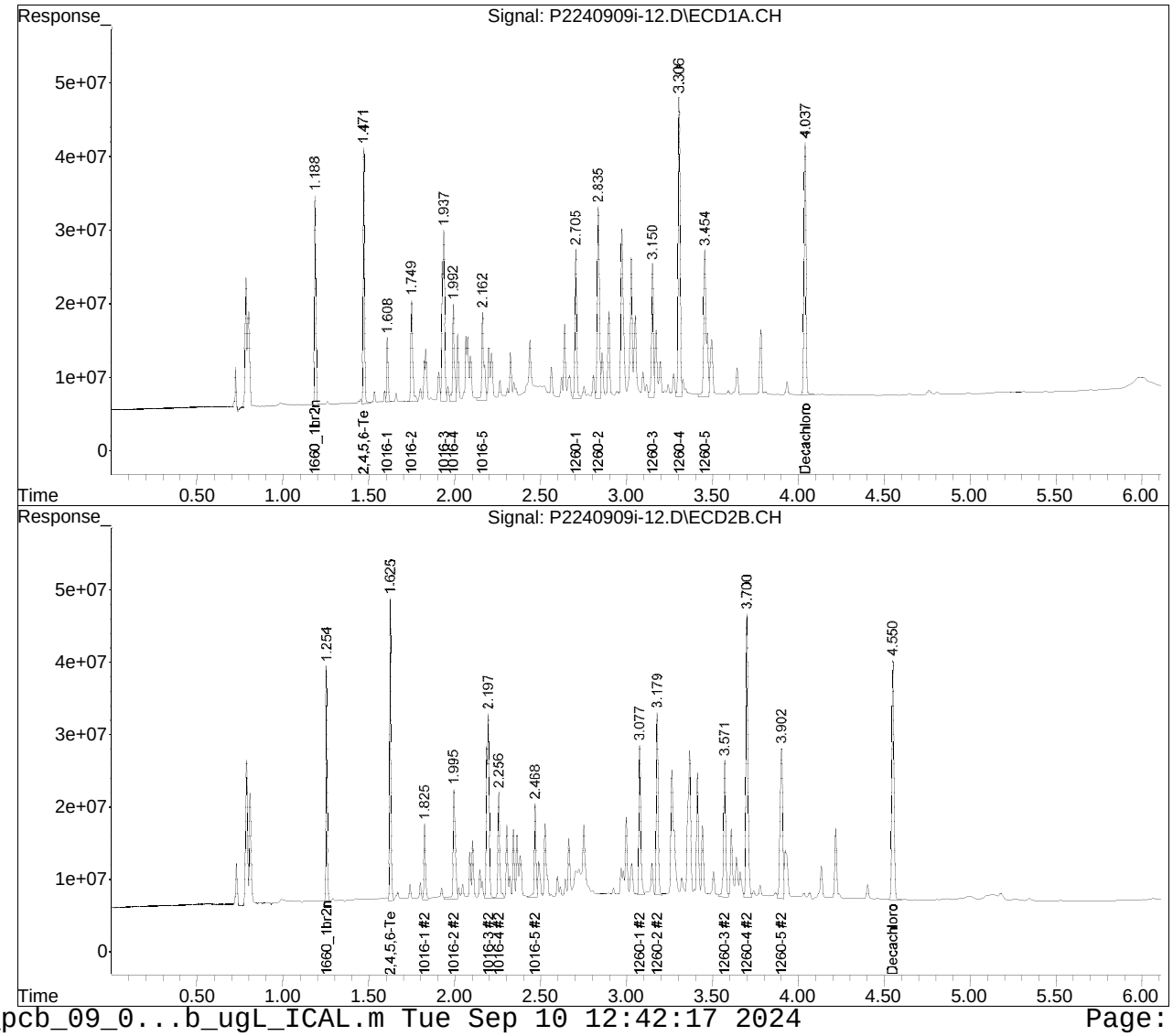
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:16
Operator : pest2:kb
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:11:51 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:11:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

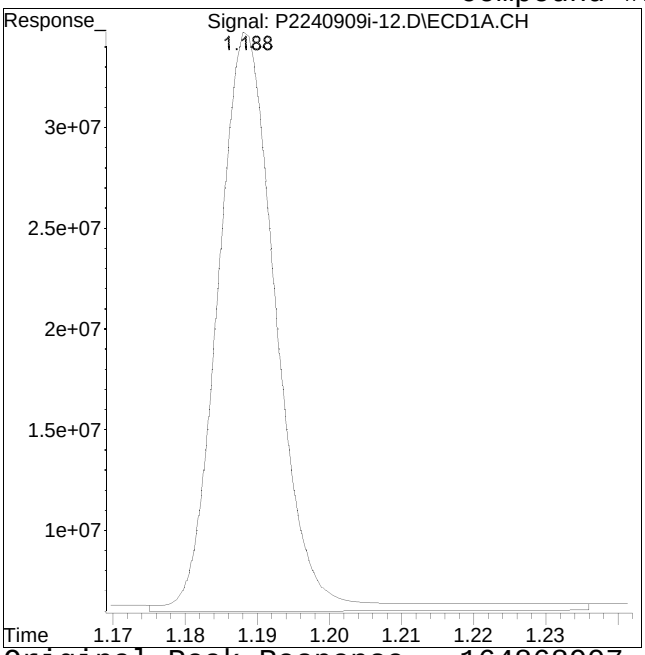
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

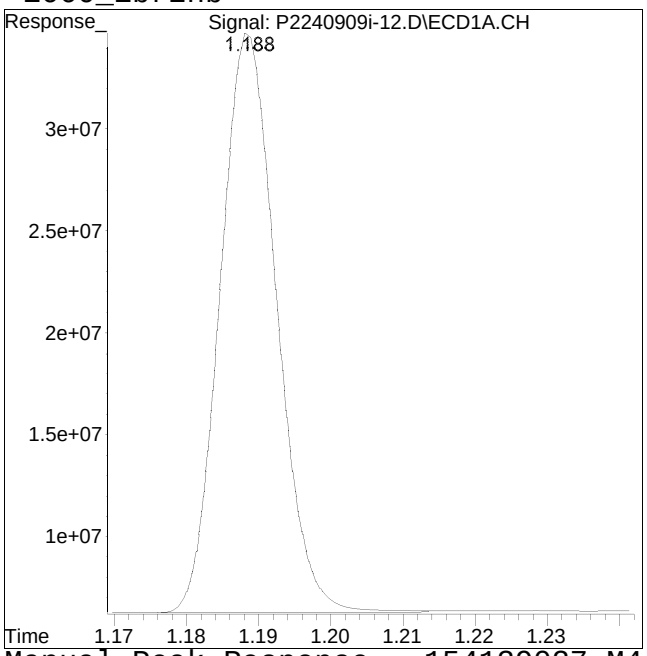


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-12.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:16 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 9/10/2024 10:11 am

Compound #1: 1660_1br2nb



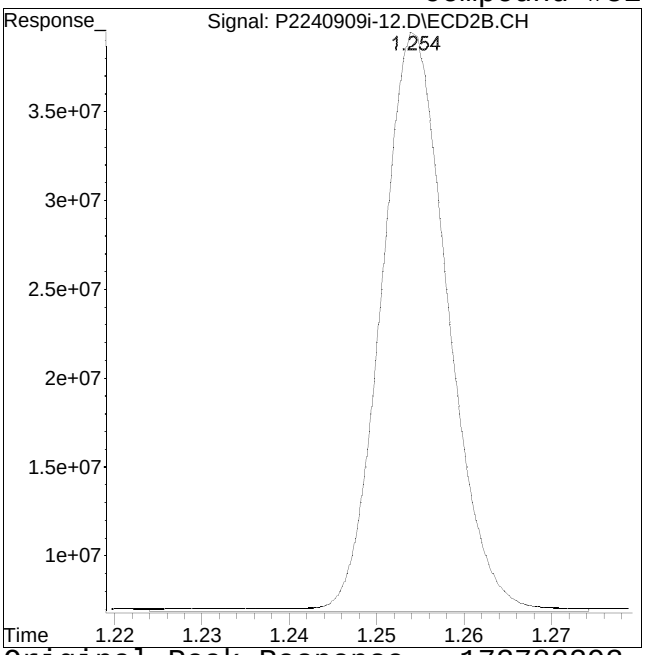


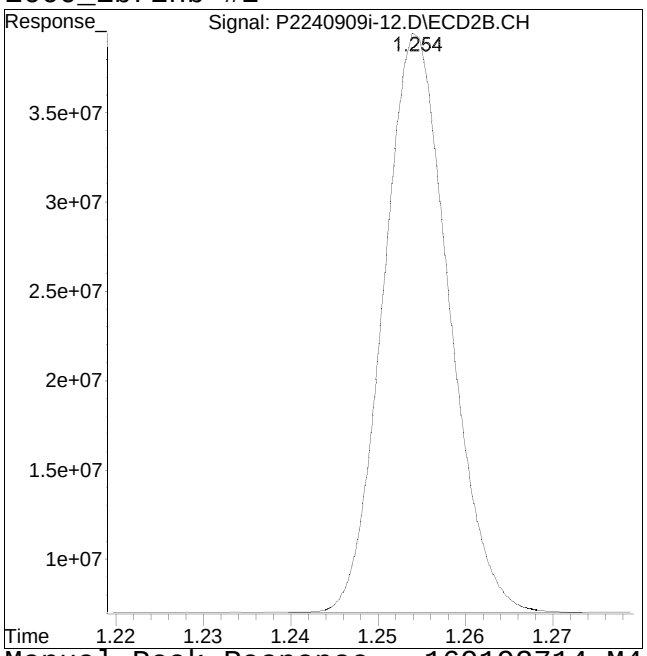
Original Peak Response = 164868907 Manual Peak Response = 154139027 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-12.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:16 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 9/10/2024 10:11 am

Compound #52: 1660_1br2nb #2



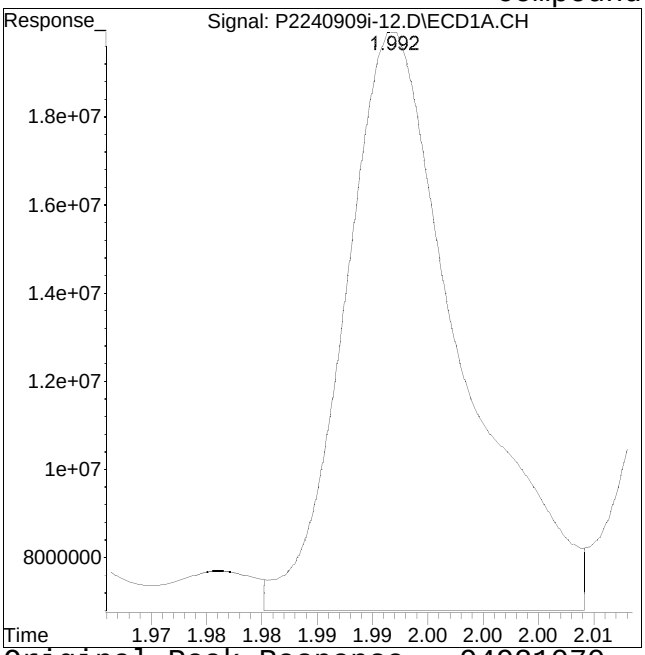


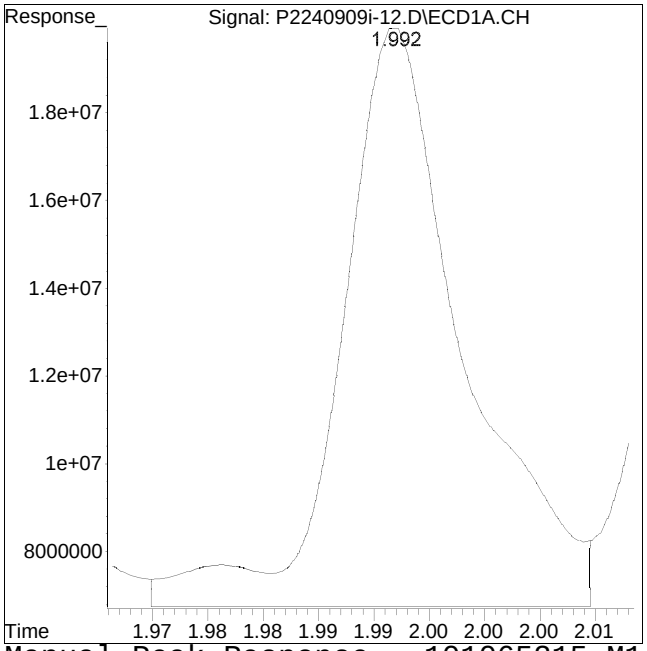
Original Peak Response = 173783393 Manual Peak Response = 169192714 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-12.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:16 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 9/10/2024 10:11 am

Compound #7: 1016-4



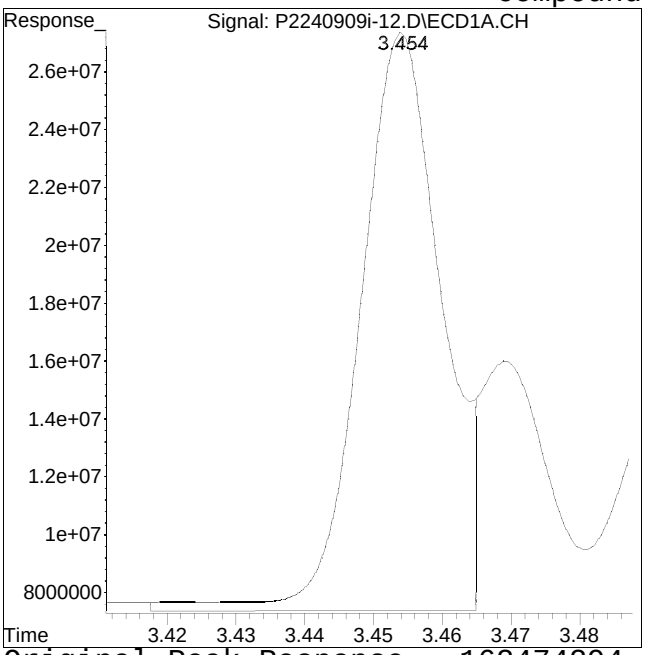


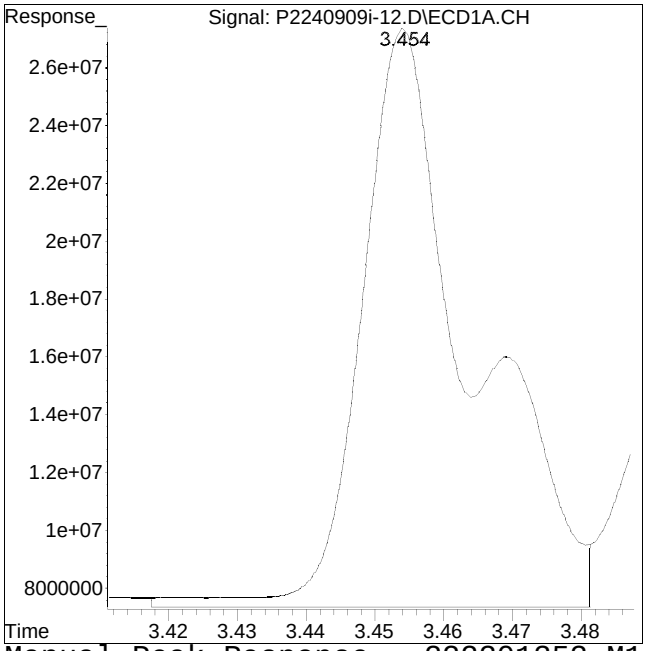
Original Peak Response = 94921070 Manual Peak Response = 101065215 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-12.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:16 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 9/10/2024 10:11 am

Compound #13: 1260-5





Original Peak Response = 162474294 Manual Peak Response = 222301353 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:25
Operator : pest2:kb
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.254	163.7E6	182.5E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.626	367.8E6	436.8E6	15.977	16.046
	Spiked Amount 20.000	Range 30 - 150		Recovery =		79.89%	80.23%
3) s	Decachlorobi	4.038	4.550	541.8E6	509.6E6	55.231	38.049
	Spiked Amount 20.000	Range 30 - 150		Recovery =		276.16%#	190.25%#
	Target Compounds						
4) l1	1016-1	1.609	1.825	97012080	117.9E6	178.984	118.844
5) l1	1016-2	1.749	1.996	214.5E6	254.6E6	85.044M1	101.297
6) l1	1016-3	1.937	2.197	454.4E6	504.9E6	251.267	202.642
7) l1	1016-4	1.991	2.257	186.2E6	202.5E6	156.950M1	134.734
8) l1	1016-5	2.162	2.468	199.3E6	163.6E6	88.971	89.385
Sum	1016-1			1151.3E6	1243.5E6	761.216	646.903
Average	1016-1					152.243	129.381
9) l2	1260-1	2.705	3.077	272.9E6	289.9E6	200.707	177.400
10) l2	1260-2	2.835	3.179	418.2E6	350.0E6	252.137	179.052
11) l2	1260-3	3.150	3.571	269.7E6	293.1E6	200.317	118.221
12) l2	1260-4	3.306	3.700	589.5E6	592.3E6	312.652	228.716
13) l2	1260-5	3.453	3.902	416.3E6	422.6E6	266.587M1	177.825
Sum	1260-1			1966.6E6	1948.0E6	NoCal	NoCal D
Average	1260-1					246.480	176.243

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:25
Operator : pest2:kb
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:25
Operator : pest2:kb
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

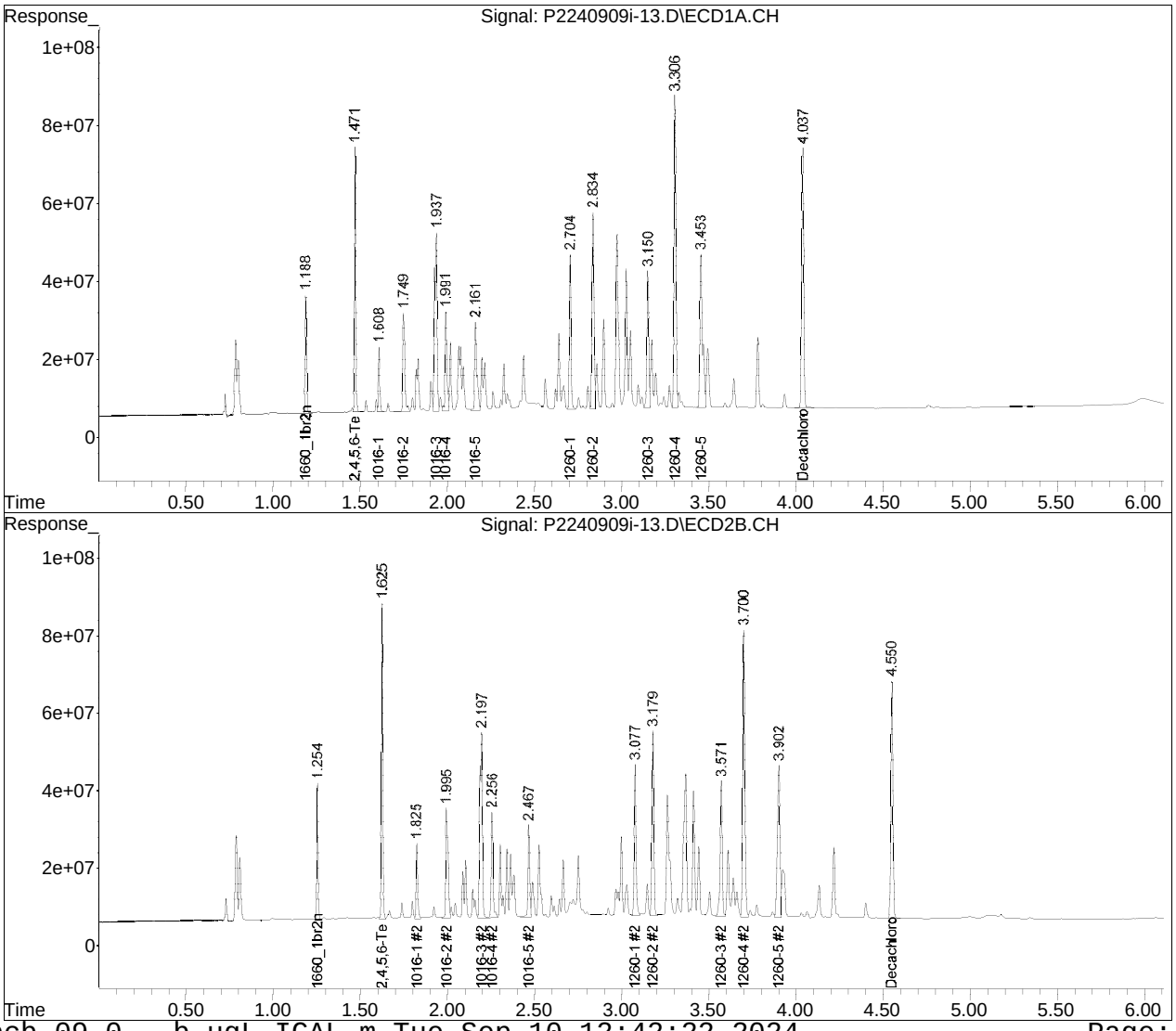
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:25
Operator : pest2:kb
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

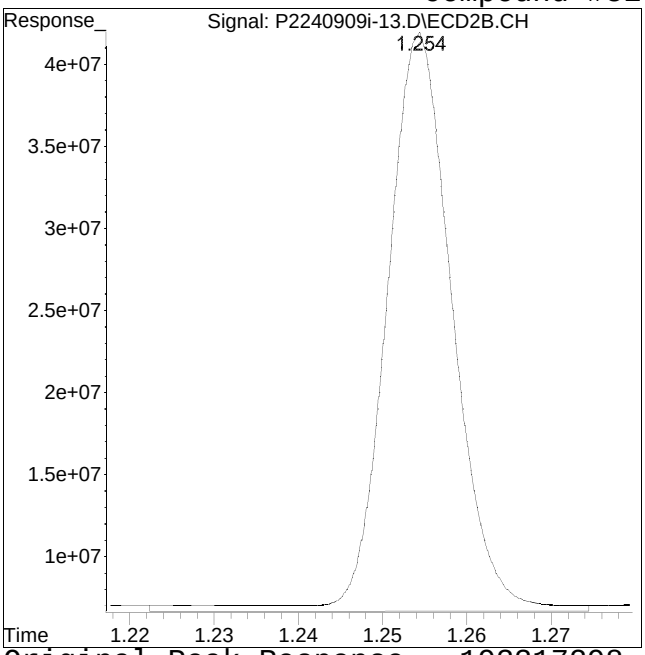
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

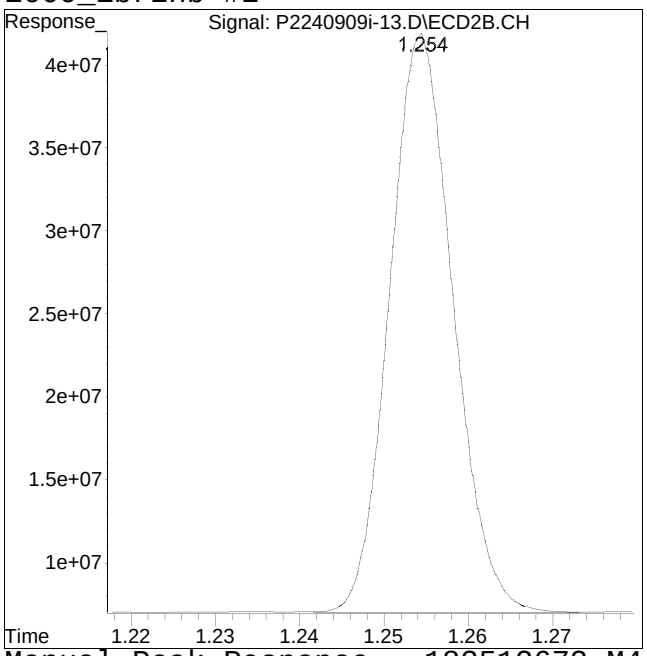


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-13.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:25 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 9/10/2024 10:12 am

Compound #52: 1660_1br2nb #2



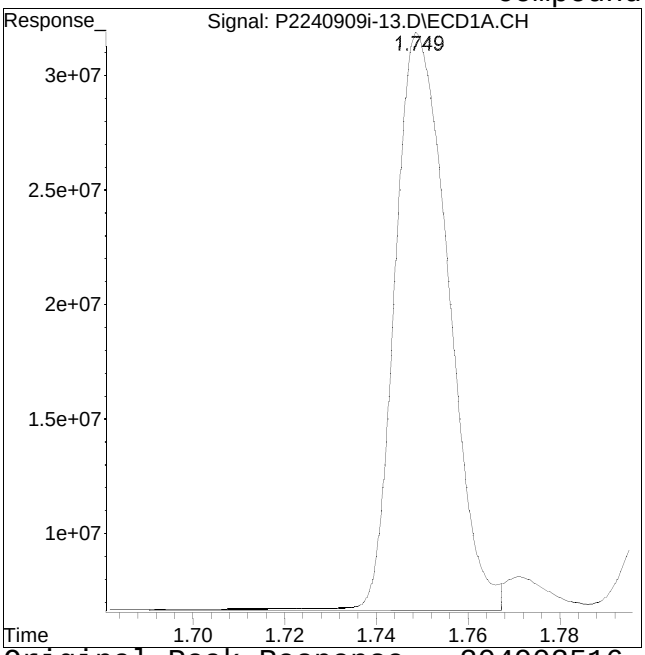


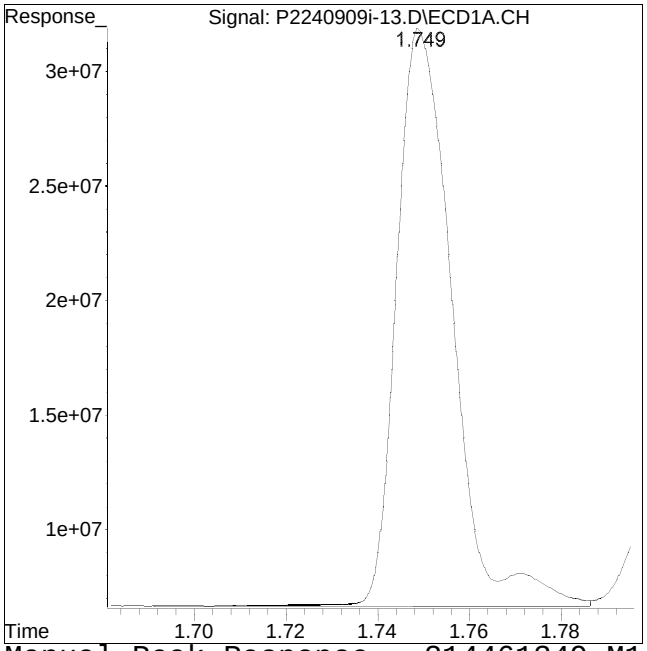
Original Peak Response = 193317298 Manual Peak Response = 182512672 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-13.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:25 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 9/10/2024 10:12 am

Compound #5: 1016-2



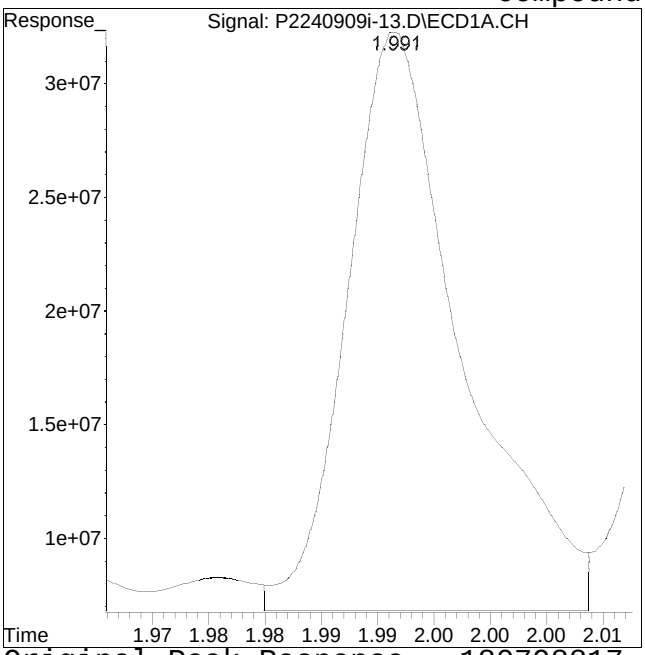


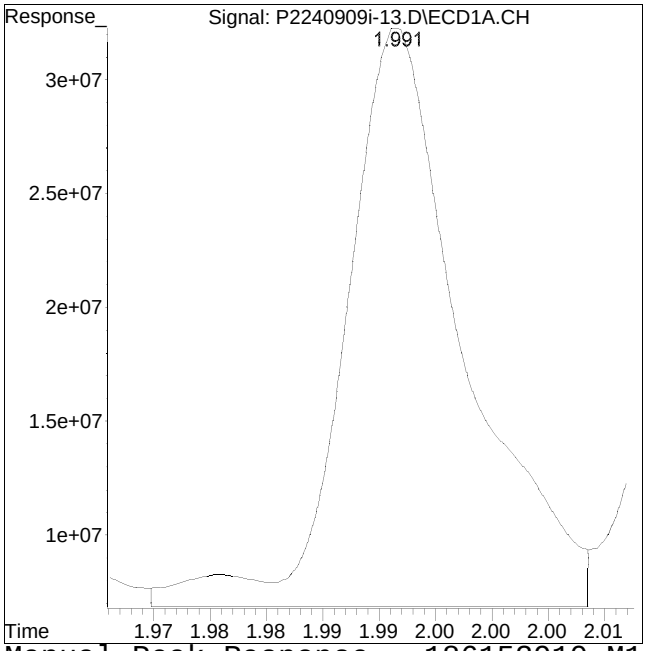
Original Peak Response = 204902516 Manual Peak Response = 214461349 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-13.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:25 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 9/10/2024 10:12 am

Compound #7: 1016-4



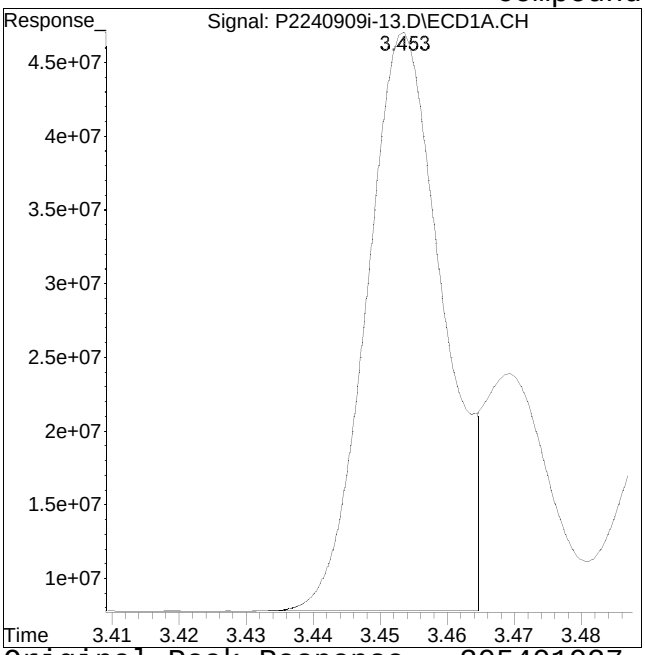


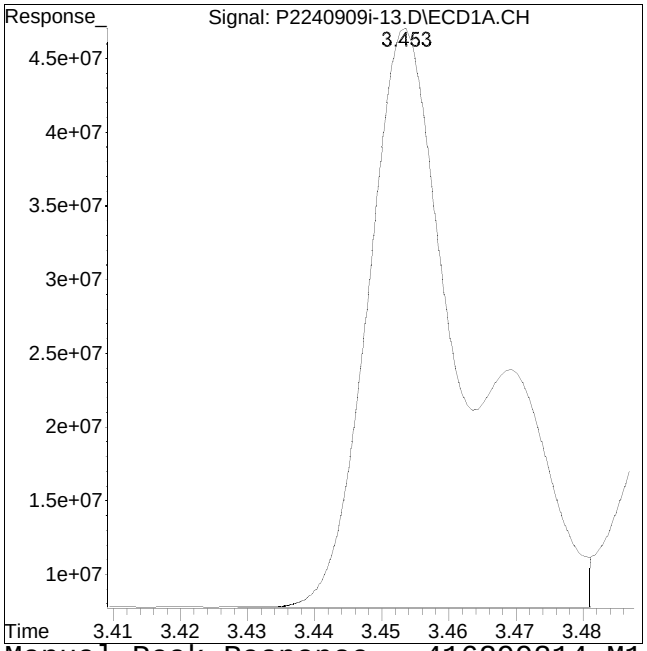
Original Peak Response = 180798817 Manual Peak Response = 186153910 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-13.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:25 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 9/10/2024 10:12 am

Compound #13: 1260-5





Original Peak Response = 305401927 Manual Peak Response = 416299214 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:35
Operator : pest2:kb
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.255	171.6E6	186.7E6	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.626	753.2E6	878.9E6	34.069	34.593
	Spiked Amount	20.000	Range 30 - 150		Recovery =	170.35%#	172.97%#
3) s	Decachlorobi	4.039	4.550	1084.3E6	1094.0E6	107.961	86.146
	Spiked Amount	20.000	Range 30 - 150		Recovery =	539.80%#	430.73%#
	Target Compounds						
4) l1	1016-1	1.609	1.825	190.5E6	218.0E6	375.724	246.584
5) l1	1016-2	1.749	1.996	422.2E6	483.2E6	185.725	217.229
6) l1	1016-3	1.937	2.197	907.2E6	1014.5E6	522.135	443.657
7) l1	1016-4	1.992	2.257	375.8E6	397.8E6	341.998M1	295.406
8) l1	1016-5	2.162	2.468	384.7E6	324.8E6	189.878	201.397
	Sum 1016-1			2280.4E6	2438.3E6	1615.459	1404.272
	Average 1016-1					323.092	280.854
9) l2	1260-1	2.705	3.078	543.4E6	612.1E6	423.624	411.805
10) l2	1260-2	2.835	3.180	836.8E6	738.5E6	524.980	415.043
11) l2	1260-3	3.151	3.572	543.0E6	620.3E6	427.619	280.906
12) l2	1260-4	3.307	3.701	1209.7E6	1270.9E6	653.171	529.833
13) l2	1260-5	3.454	3.903	850.8E6	893.8E6	578.735M1	413.411
	Sum 1260-1			3983.7E6	4135.5E6	NoCal	NoCal D
	Average 1260-1					521.626	410.199
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:35
Operator : pest2:kb
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:35
Operator : pest2:kb
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

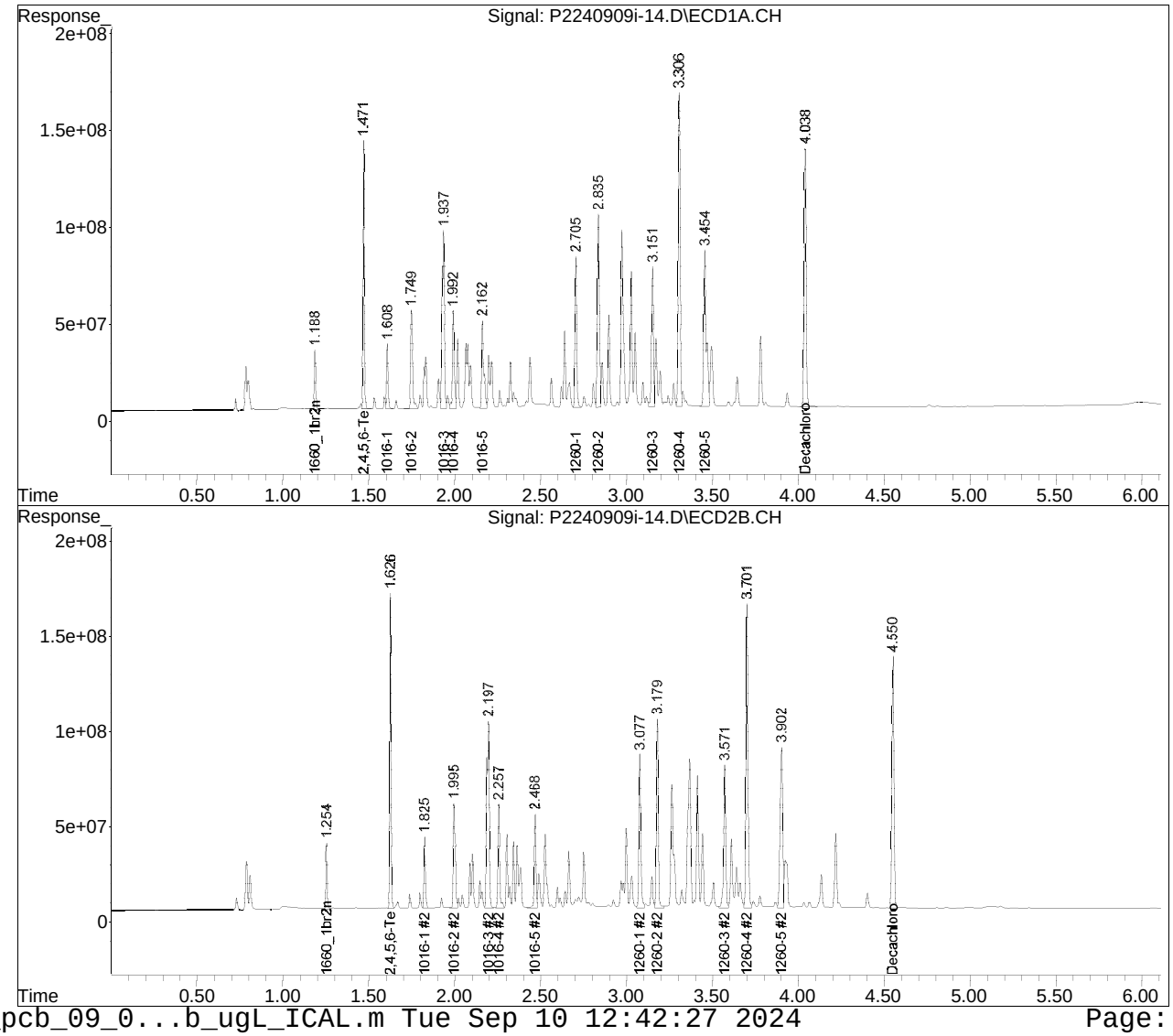
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:35
Operator : pest2:kb
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:12:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

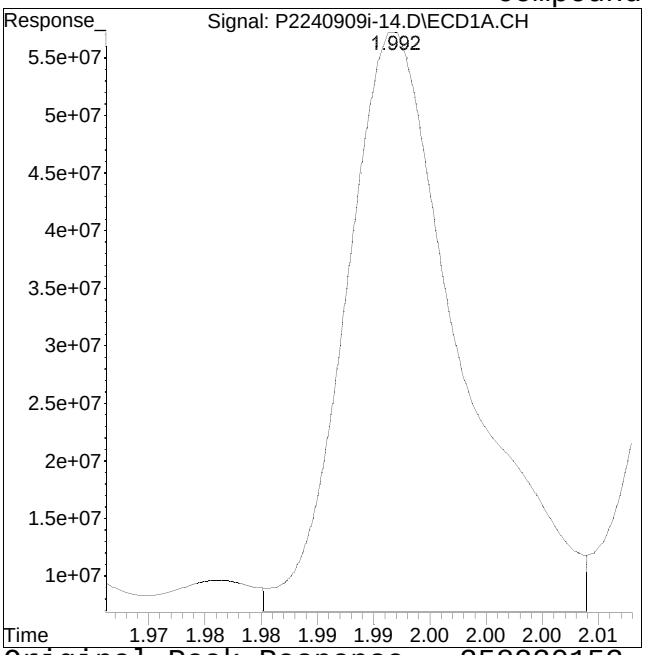
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

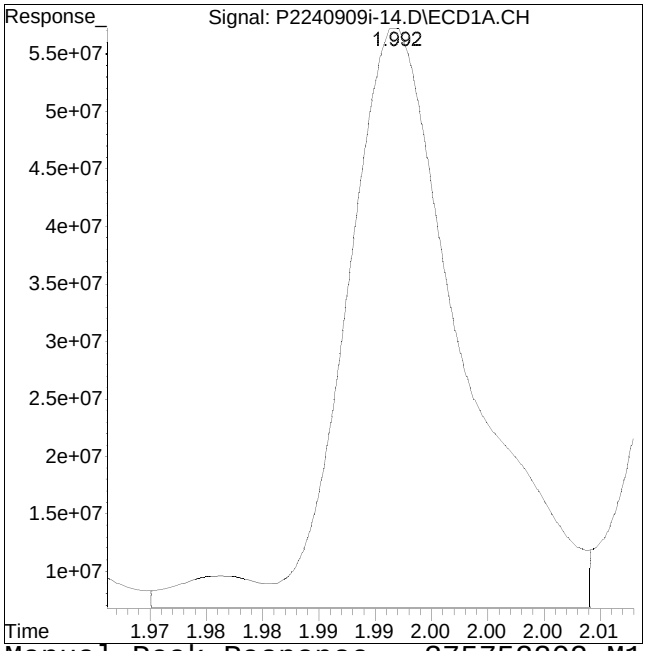


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-14.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:35 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:12 am

Compound #7: 1016-4



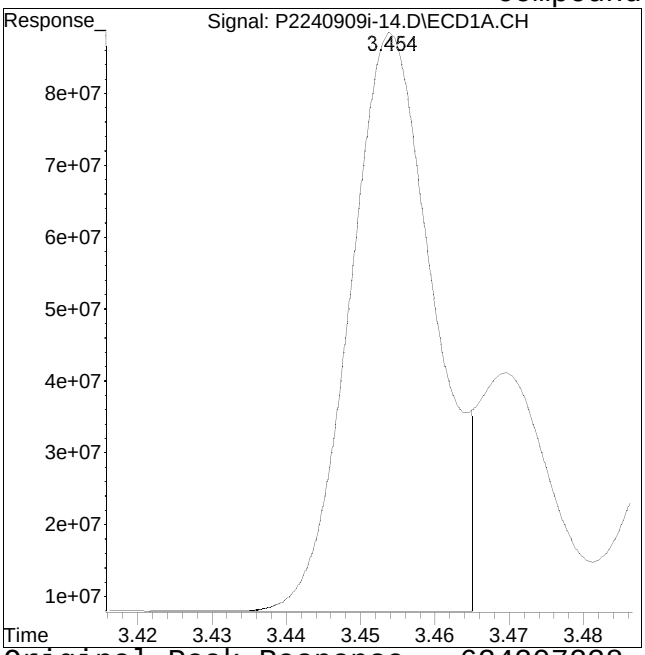


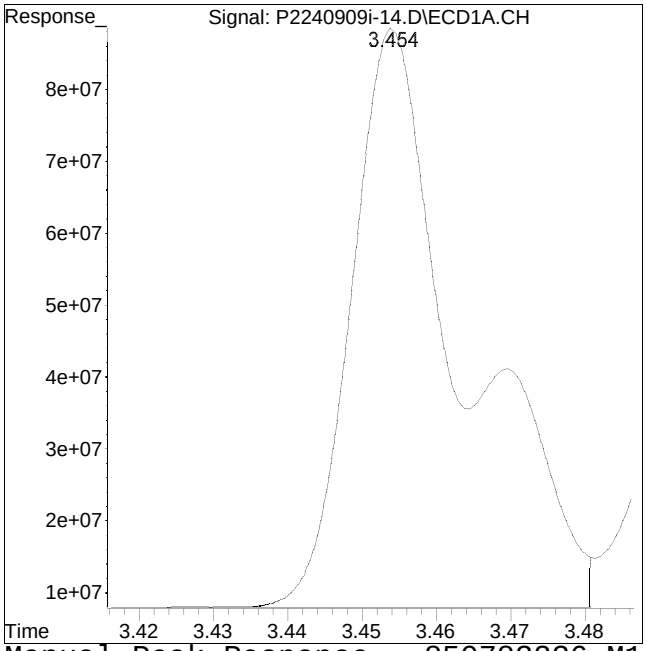
Original Peak Response = 358230153 Manual Peak Response = 375752202 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-14.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:35 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 9/10/2024 10:12 am

Compound #13: 1260-5





Original Peak Response = 624207238 Manual Peak Response = 850783236 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:44
Operator : pest2:kb
Sample   : cicv4268,42,,pp11623
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	1.963	-3.2	106	0.00
3	s	Decachlorobiphenyl		1.411	2.270	-60.9#	166#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	102	0.00
24	l6	1242-1		0.023	0.028	-21.7#	120	0.00
25	l6	1242-2		0.051	0.060	-17.6	120	0.00
26	l6	1242-3		0.106	0.126	-18.9	121	0.00
27	l6	1242-4		0.046	0.052	-13.0	115	0.00
28	l6	1242-5		0.037	0.042	-13.5	116	0.00
29	l9	1268-1		0.231	0.299	-29.4#	132	0.00
30	l9	1268-2		0.207	0.265	-28.0#	130	0.00
31	l9	1268-3		0.168	0.184	-9.5	112	0.00
32	l9	1268-4		0.078	0.087	-11.5	113	0.00
33	l9	1268-5		0.521	0.573	-10.0	112	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	103	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		2.114	2.145	-1.5	107	0.00
3	s	Decachlorobiphenyl		1.324	2.058	-55.4#	171#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:44
Operator : pest2:kb
Sample   : cicv4268,42,,pp11623
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	98	0.00
24	l6	1242-1		0.025	0.031	-24.0#	121	0.00
25	l6	1242-2		0.057	0.067	-17.5	117	0.00
26	l6	1242-3		0.114	0.136	-19.3	117	0.00
27	l6	1242-4		0.048	0.055	-14.6	113	0.00
28	l6	1242-5		0.040	0.045	-12.5	111	0.00
29	l9	1268-1		0.230	0.286	-24.3#	122	0.00
30	l9	1268-2		0.205	0.252	-22.9#	121	0.00
31	l9	1268-3		0.167	0.191	-14.4	112	0.00
32	l9	1268-4		0.076	0.087	-14.5	113	0.00
33	l9	1268-5		0.494	0.521	-5.5	104	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	101	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	101	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.033	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.073	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.148	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.061	0.000	100.0#	0#	-1.99#
8	l1	1016-5		0.067	0.000	100.0#	0#	-2.16#
9	l2	1260-1		0.093	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.141	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.088	0.000	100.0#	0#	-3.15#
12	l2	1260-4		0.195	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.139	0.000	100.0#	0#	-3.45#
15	l3	1221-2		0.020	0.000	100.0#	0#	-1.53#
16	l3	1221-3		0.011	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.045	0.000	100.0#	0#	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:44
Operator : pest2:kb
Sample   : cicv4268,42,,pp11623
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.065	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.132	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.114	0.000	100.0#	0#	-2.62#
21	l4	1254-4	0.089	0.000	100.0#	0#	-2.75#
22	l4	1254-5	0.127	0.000	100.0#	0#	-2.97#
35	l7	1248-1	0.070	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.088	0.000	100.0#	0#	-2.06#
37	l7	1248-3	0.082	0.000	100.0#	0#	-2.16#
38	l7	1248-4	0.074	0.000	100.0#	0#	-2.34#
39	l7	1248-5	0.065	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.033	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.032	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.064	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.027	0.000	100.0#	0#	-1.99#
45	l5	1232-5	0.020	0.000	100.0#	0#	-2.34#
46	l8	1262-1	0.094	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.140	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.107	0.000	100.0#	0#	-3.15#
49	l8	1262-4	0.233	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.068	0.000	100.0#	0#	-3.78#

Signal #2

4	l1	1016-1	0.038	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.083	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.166	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.066	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.053	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.099	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.118	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.097	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:44
Operator : pest2:kb
Sample   : cicv4268,42,,pp11623
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.194	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.140	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.022	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.014	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.051	0.000	100.0#	0#	-1.82#
18 l4	1254-1	0.085	0.000	100.0#	0#	-2.66#
19 l4	1254-2	0.129	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.141	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.097	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.131	0.000	100.0#	0#	-3.37#
35 l7	1248-1	0.079	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.053	0.000	100.0#	0#	-2.34#
37 l7	1248-3	0.072	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.078	0.000	100.0#	0#	-2.64#
39 l7	1248-5	0.093	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.036	0.000	100.0#	0#	-1.82#
42 l5	1232-2	0.038	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.070	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.028	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.023	0.000	100.0#	0#	-2.64#
46 l8	1262-1	0.093	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.124	0.000	100.0#	0#	-3.41#
48 l8	1262-3	0.116	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.211	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.075	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:44
Operator : pest2:kb
Sample : cicv4268,42,,pp11623
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.254	159.4E6	176.0E6	25.000	25.000M4
14) i	2154_1br2nb	1.189	1.254	159.4E6	176.0E6	25.000	25.000M4
23) i	4268_1br2nb	1.189	1.254	159.4E6	176.0E6	25.000	25.000M4
34) i	1248_1br2nb	1.189	1.254	159.4E6	176.0E6	25.000	25.000M4
40) i	3262_1br2nb	1.189	1.254	159.4E6	176.0E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	200.2E6	241.6E6	16.514M4	16.230M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	82.57%	81.15%
3) s	Decachlorobi	4.038	4.550	463.0E6	463.7E6	51.487M4	49.729
	Spiked Amount	20.000	Range 30 - 150		Recovery =	257.44%#	248.65%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:44
Operator : pest2:kb
Sample : cicv4268,42,,pp11623
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.609	1.825	43888486	54874288	295.182M4	306.699M4
25) l6	1242-2	1.749	1.995	95219427	118.2E6	293.505M4	296.852M4
26) l6	1242-3	1.938	2.197	200.4E6	238.9E6	296.353M4	296.910M4
27) l6	1242-4	1.992	2.256	82547697	96145679	282.834M4	286.888M4
28) l6	1242-5	2.344	2.643	66605899	78661858	284.619M4	281.433M4
Sum	1242-1			488.7E6	586.8E6	1452.493	1468.783
Average	1242-1					290.499	293.757
29) l9	1268-1	3.470	3.897	476.2E6	504.3E6	323.828M3	311.148

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:44
Operator : pest2:kb
Sample : cicv4268,42,,pp11623
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	3.491	3.923	421.9E6	444.4E6	319.494M4	307.837
31) l9	1268-3	3.593	4.065	292.9E6	335.4E6	274.312M4	285.156
32) l9	1268-4	3.780	4.217	138.9E6	153.3E6	277.702M4	287.410
33) l9	1268-5	3.934	4.402	913.8E6	917.9E6	275.170M4	263.878
Sum	1268-1			2243.7E6	2355.3E6	1470.506	1455.429
Average	1268-1					294.101	291.086
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:44
Operator : pest2:kb
Sample : cicv4268,42,,pp11623
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

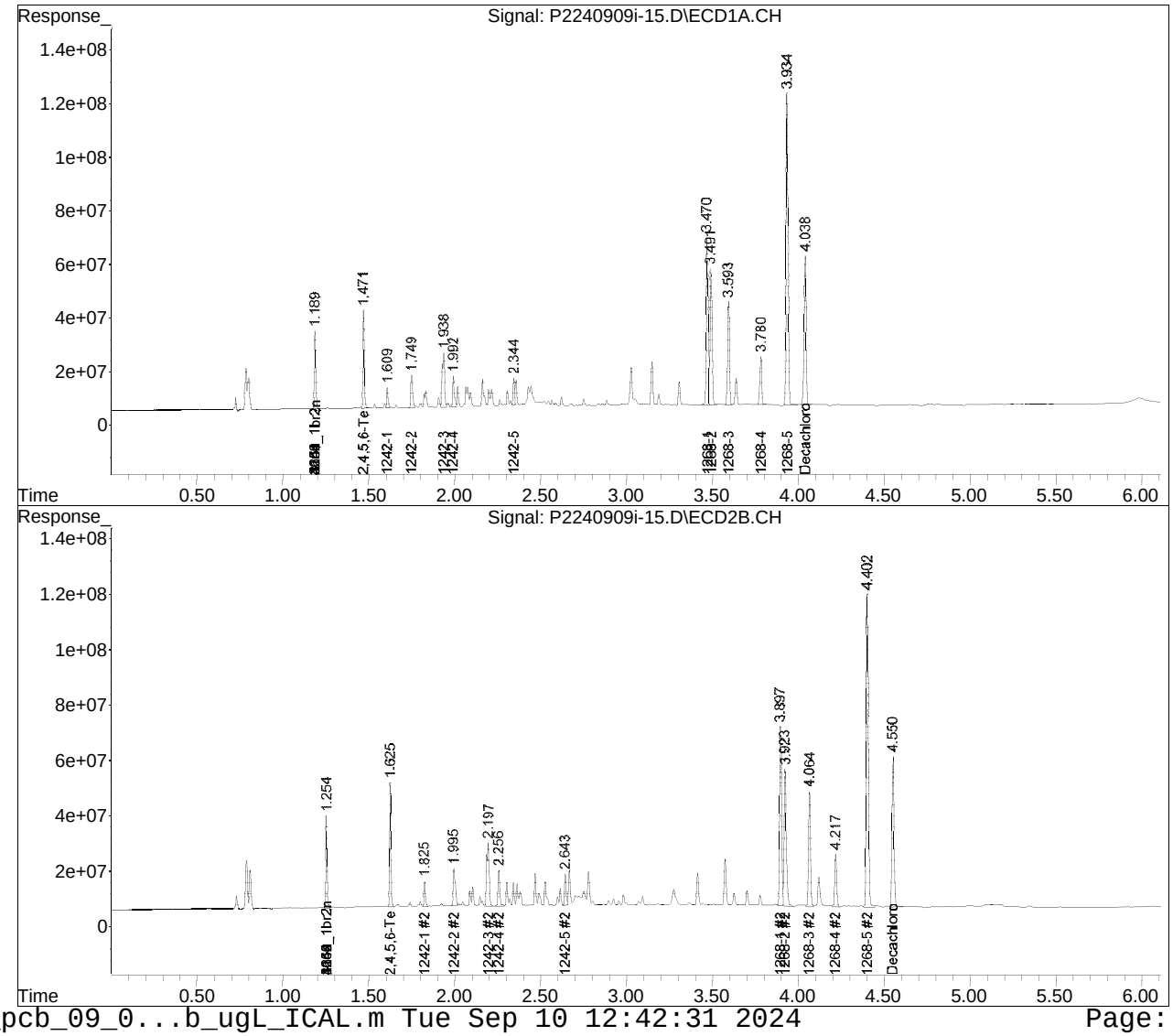
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:44
Operator : pest2:kb
Sample : cicv4268,42,,pp11623
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:51:56 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

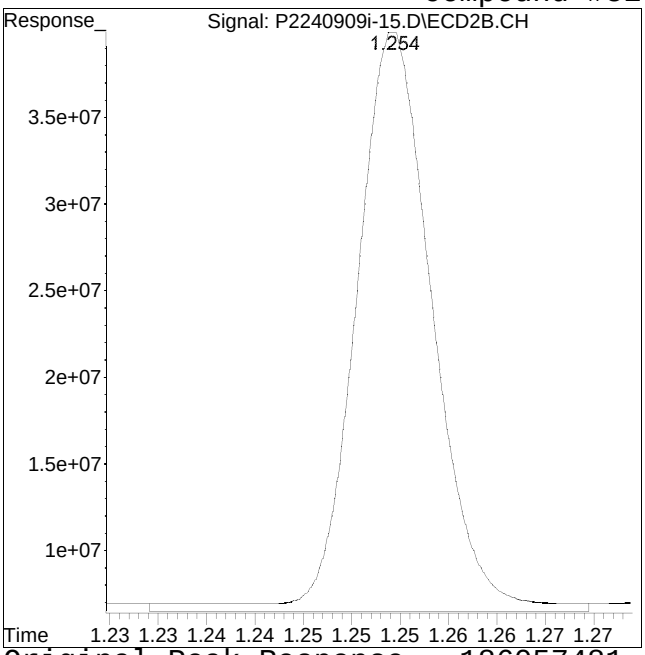
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

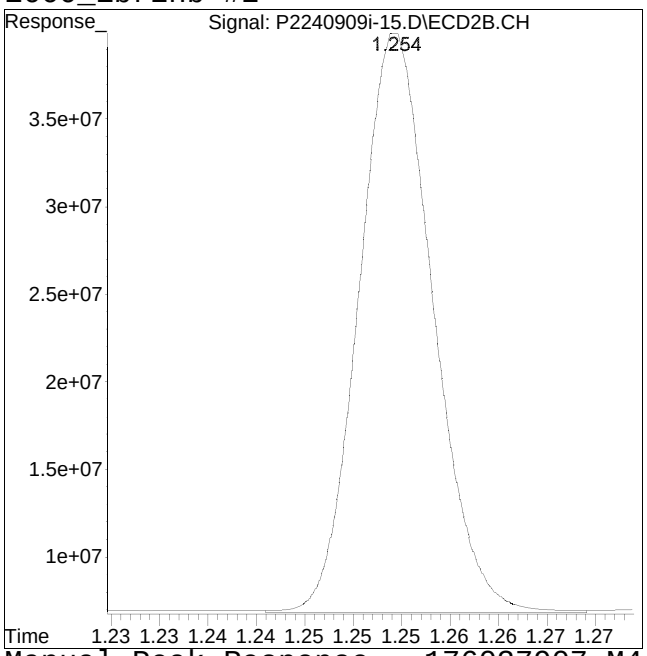


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #52: 1660_1br2nb #2



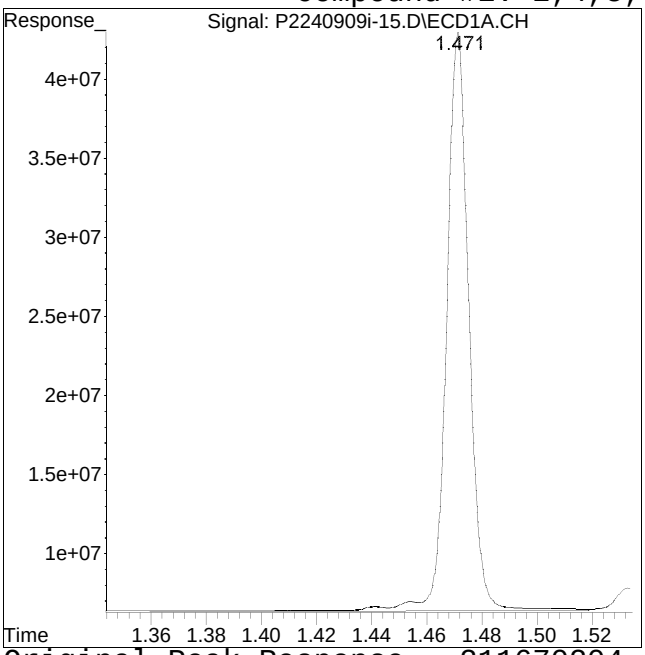


Original Peak Response = 186057481 Manual Peak Response = 176037907 M4
M4 = Poor automated baseline construction.

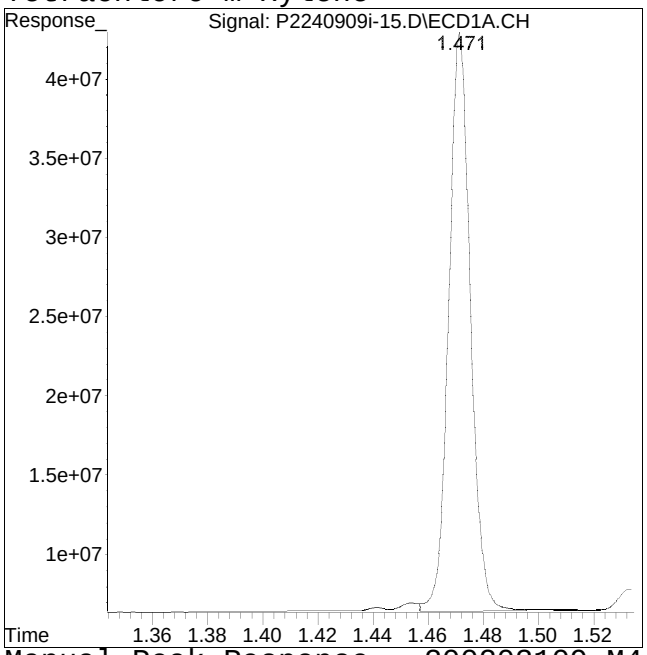
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 211670204



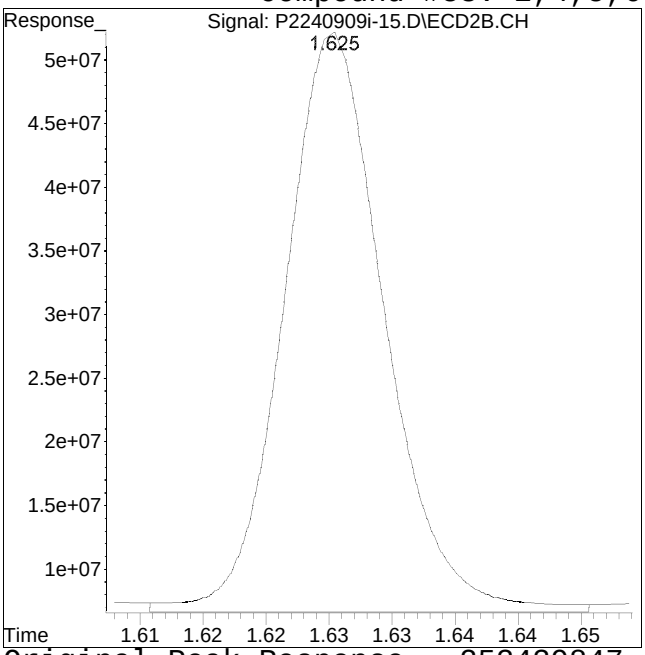
Manual Peak Response = 200203109 M4

M4 = Poor automated baseline construction.

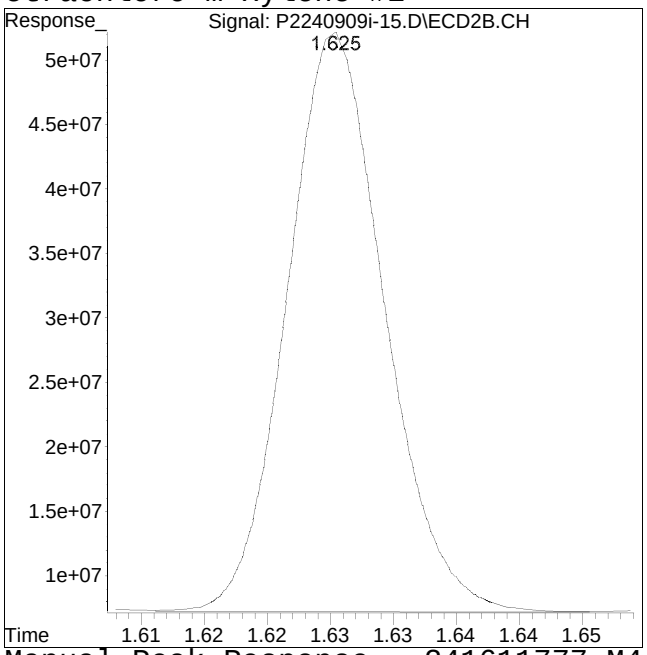
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 253439847



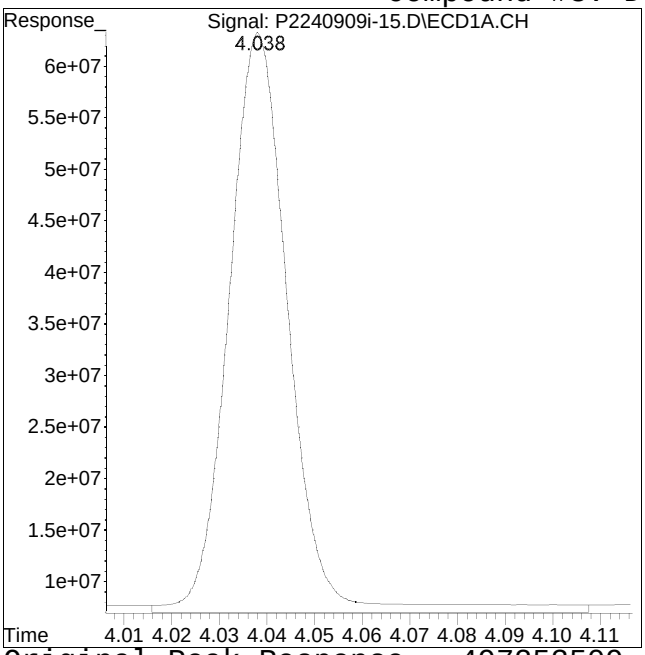
Manual Peak Response = 241611777 M4

M4 = Poor automated baseline construction.

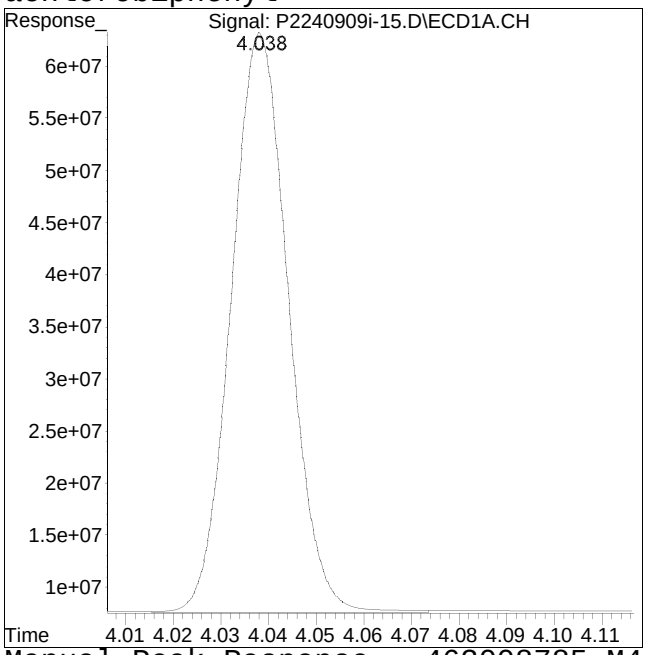
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #3: Decachlorobiphenyl



Original Peak Response = 497253509



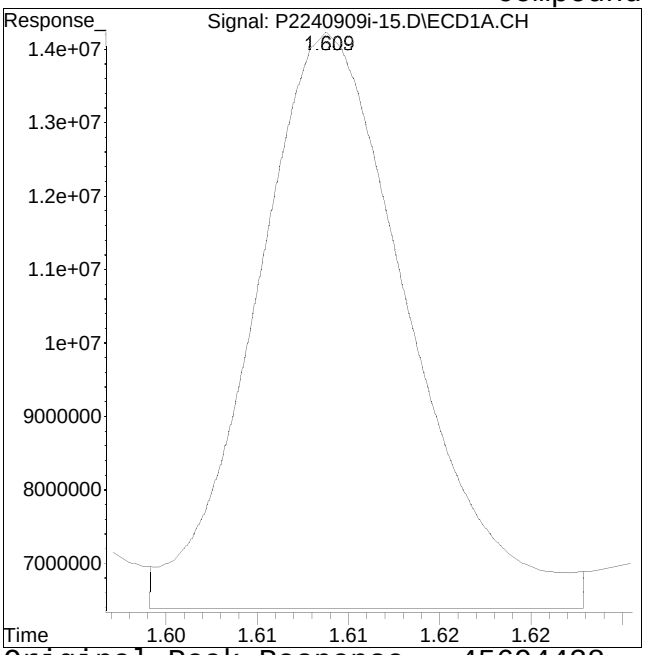
Manual Peak Response = 463008785 M4

M4 = Poor automated baseline construction.

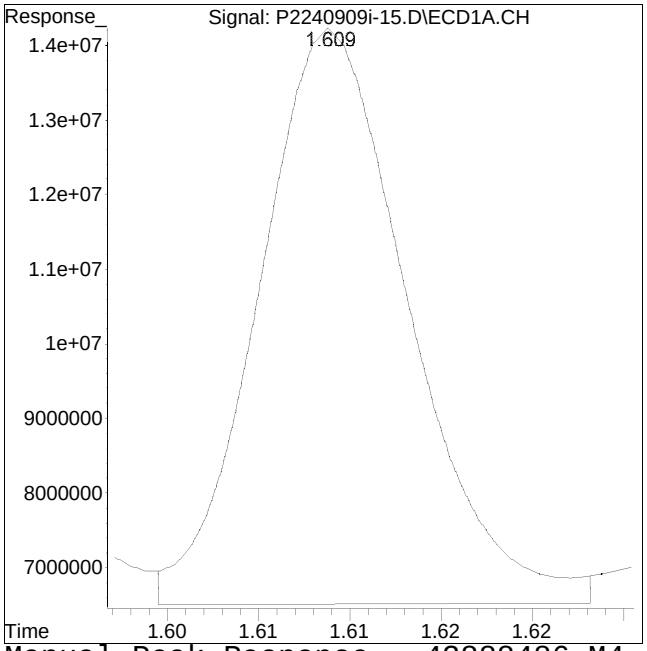
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #24: 1242-1



Original Peak Response = 45694438



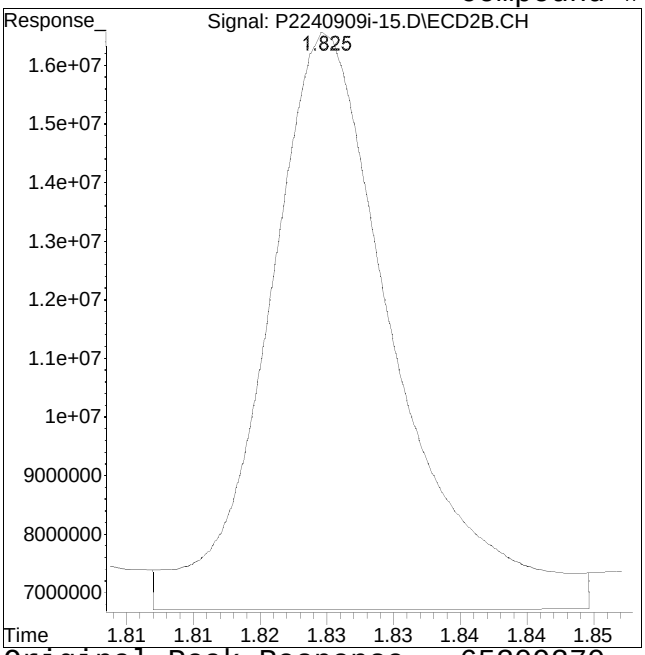
Manual Peak Response = 43888486 M4

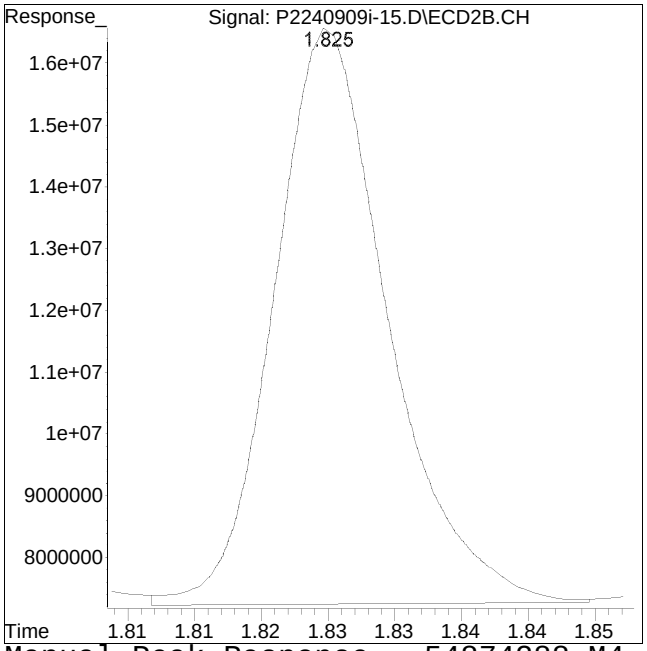
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #75: 1242-1 #2



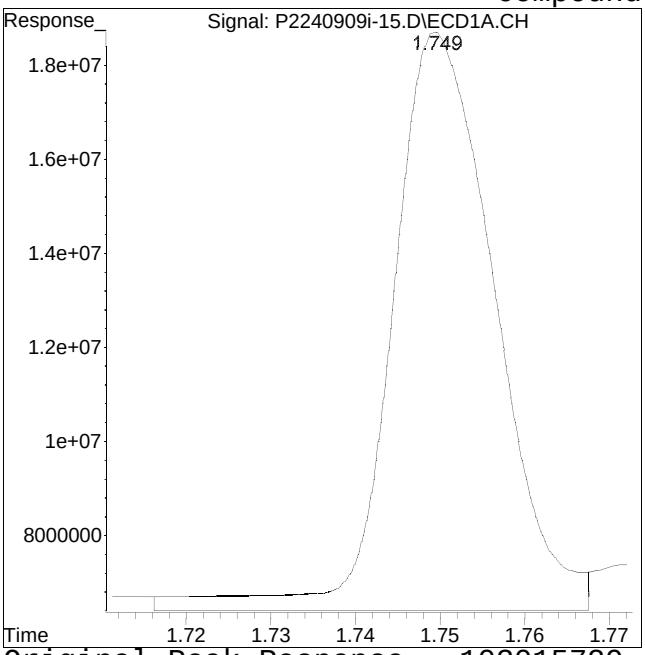


Original Peak Response = 65309270 Manual Peak Response = 54874288 M4
M4 = Poor automated baseline construction.

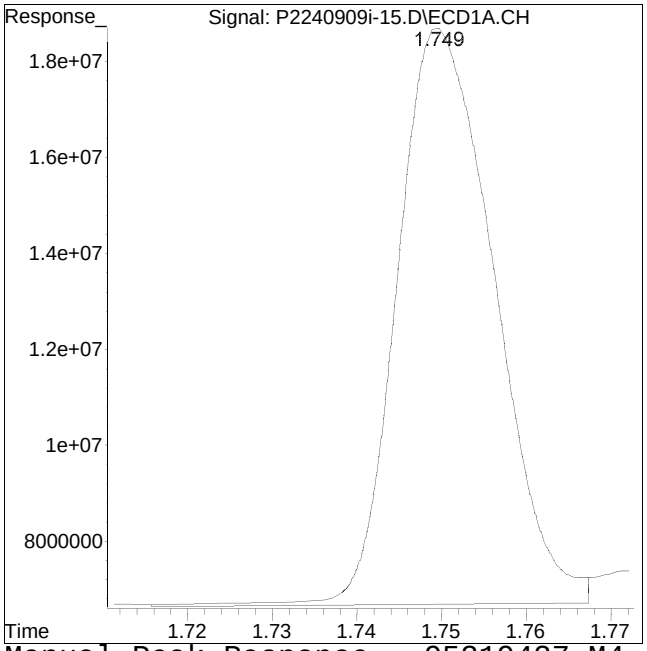
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #25: 1242-2



Original Peak Response = 103015729



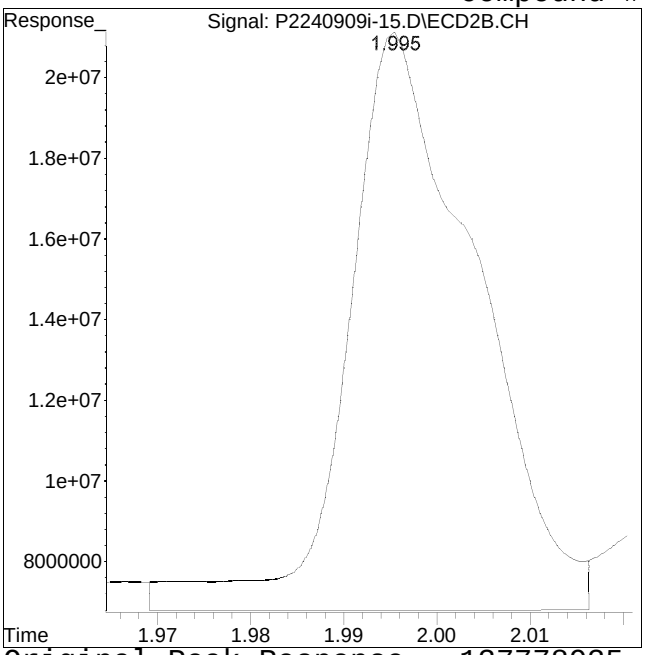
Manual Peak Response = 95219427 M4

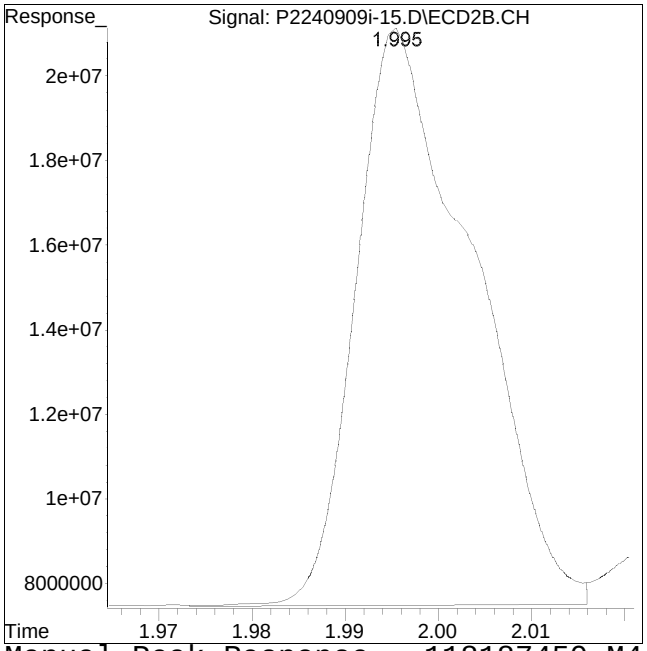
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #76: 1242-2 #2



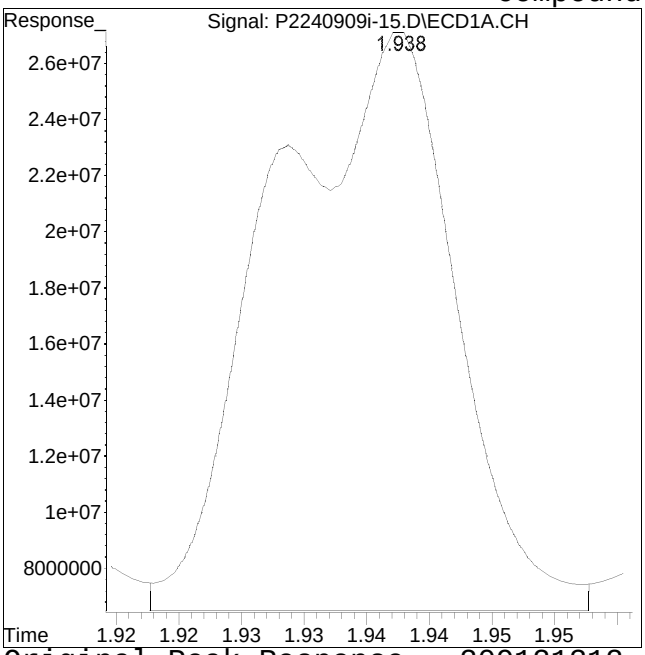


Original Peak Response = 137778935 Manual Peak Response = 118187450 M4
M4 = Poor automated baseline construction.

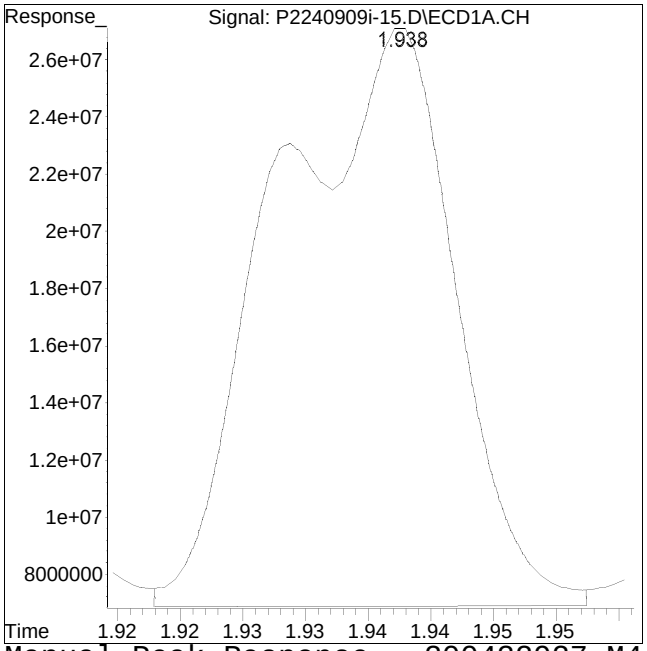
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #26: 1242-3



Original Peak Response = 209121312



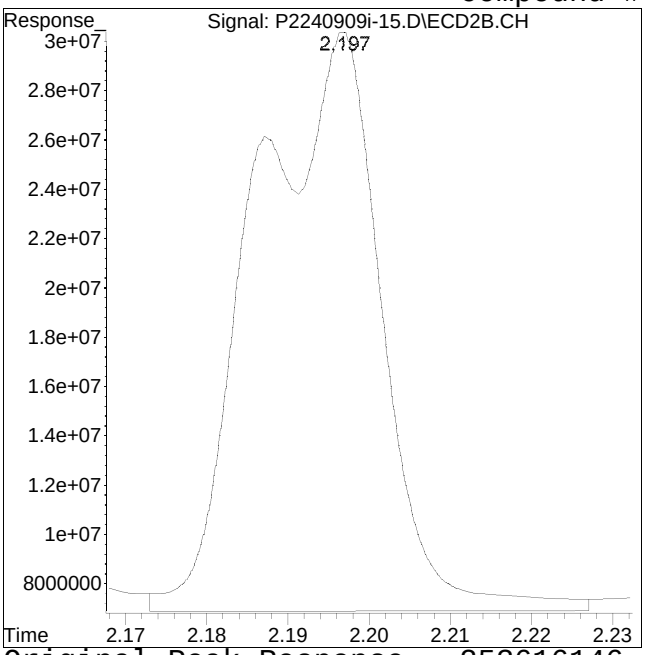
Manual Peak Response = 200432927 M4

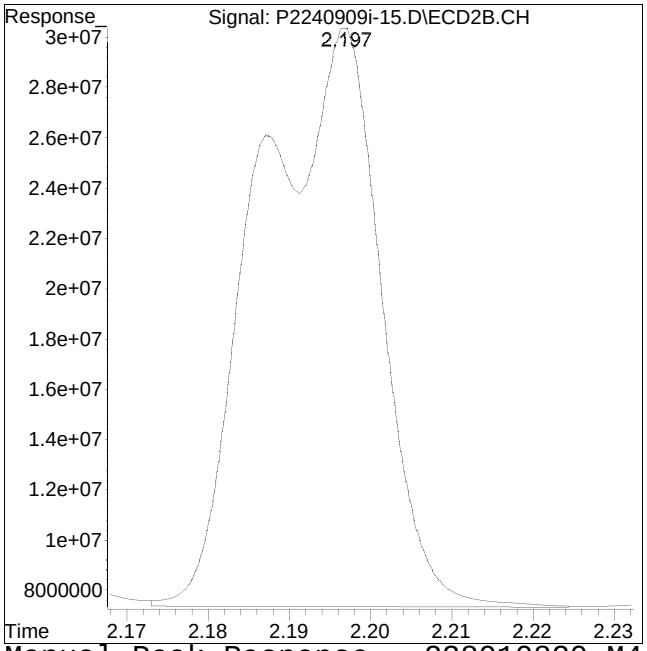
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #77: 1242-3 #2



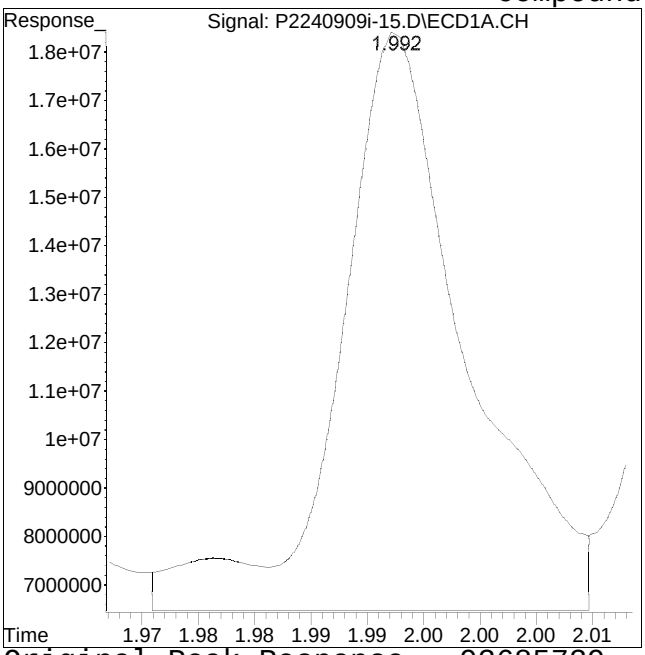


Original Peak Response = 253616146 Manual Peak Response = 238910820 M4
M4 = Poor automated baseline construction.

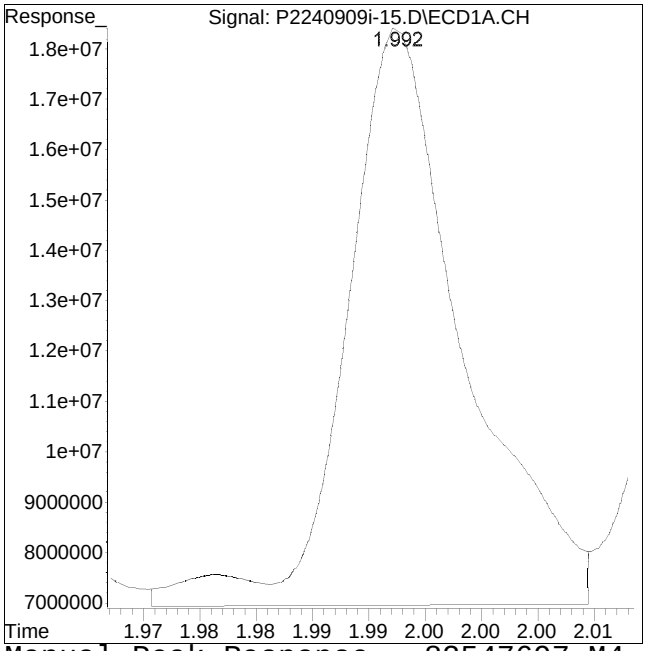
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #27: 1242-4



Original Peak Response = 93685739



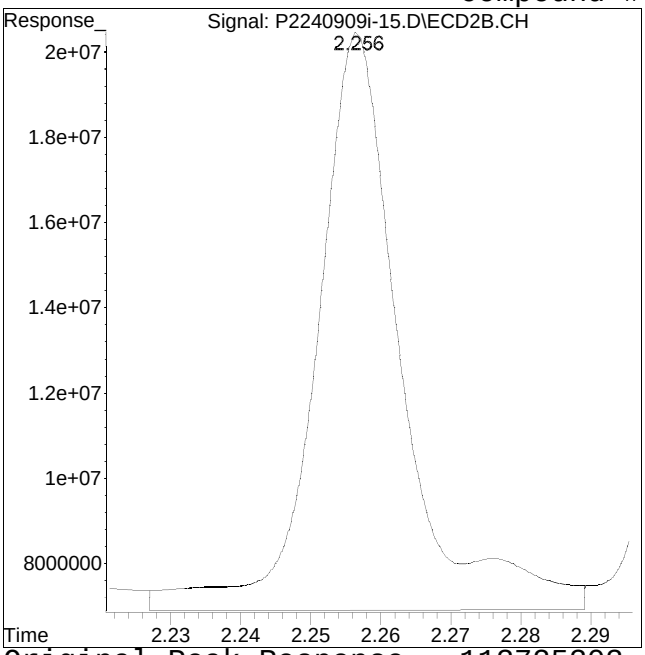
Manual Peak Response = 82547697 M4

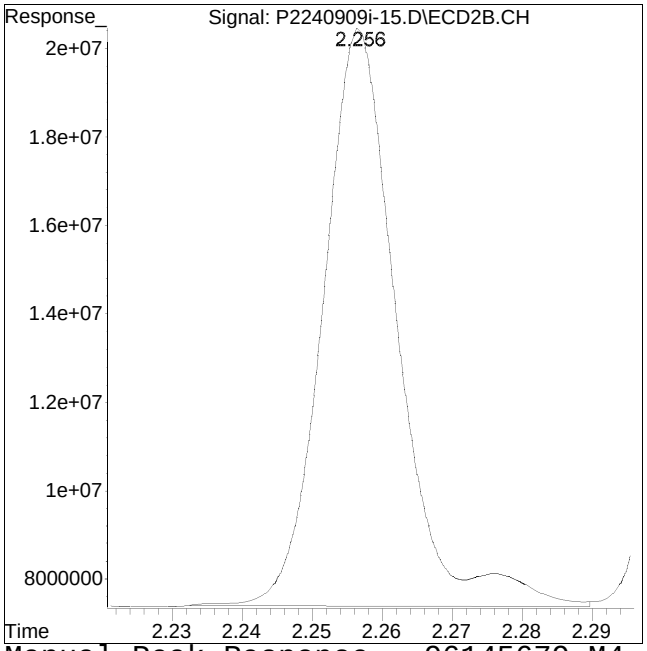
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #78: 1242-4 #2



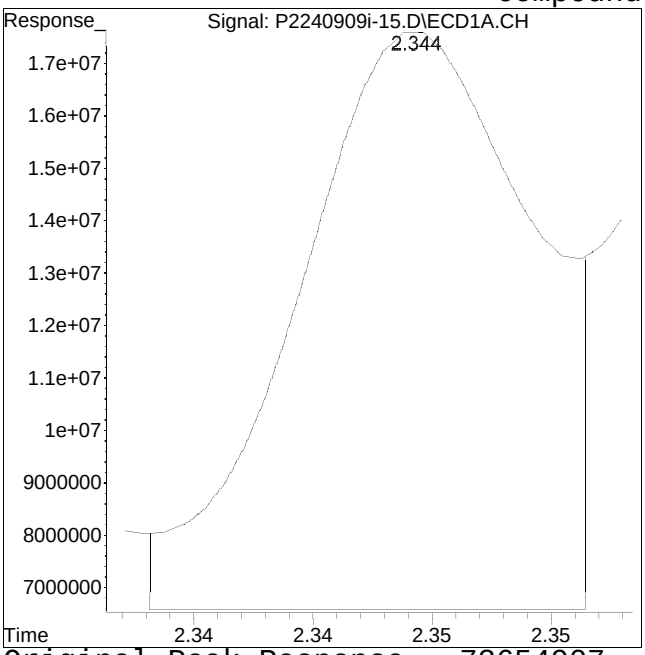


Original Peak Response = 113725303 Manual Peak Response = 96145679 M4
M4 = Poor automated baseline construction.

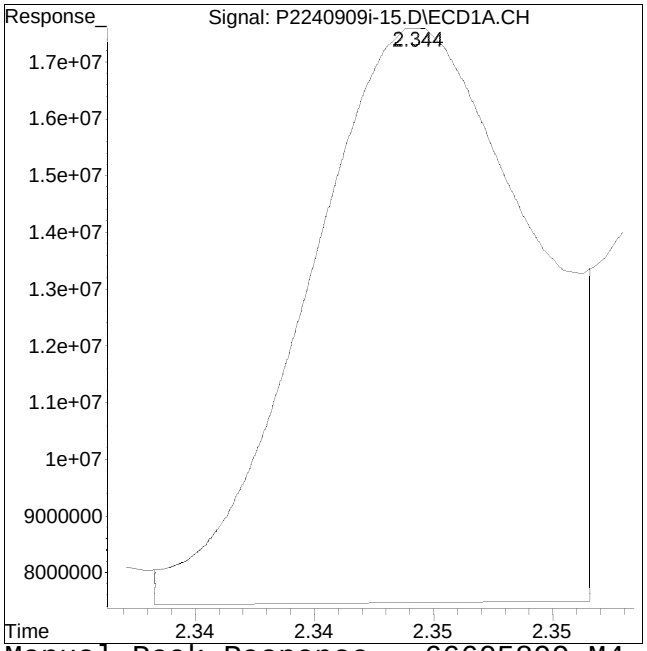
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #28: 1242-5



Original Peak Response = 73654907



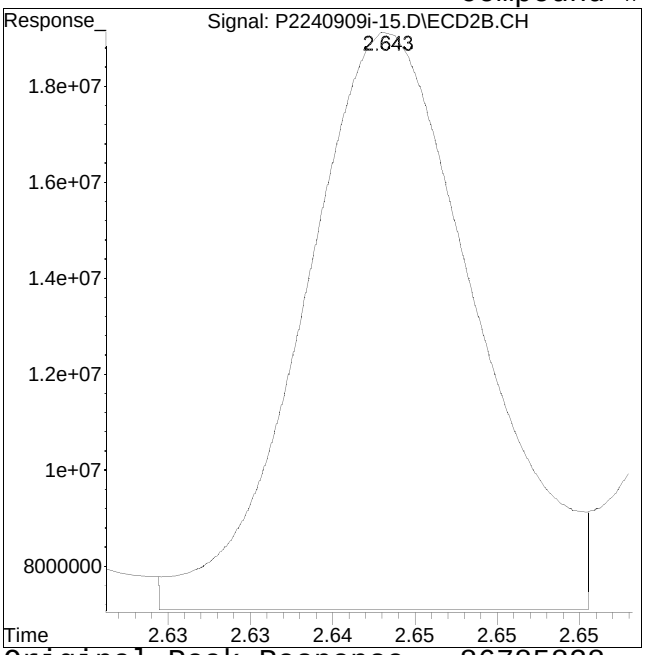
Manual Peak Response = 66605899 M4

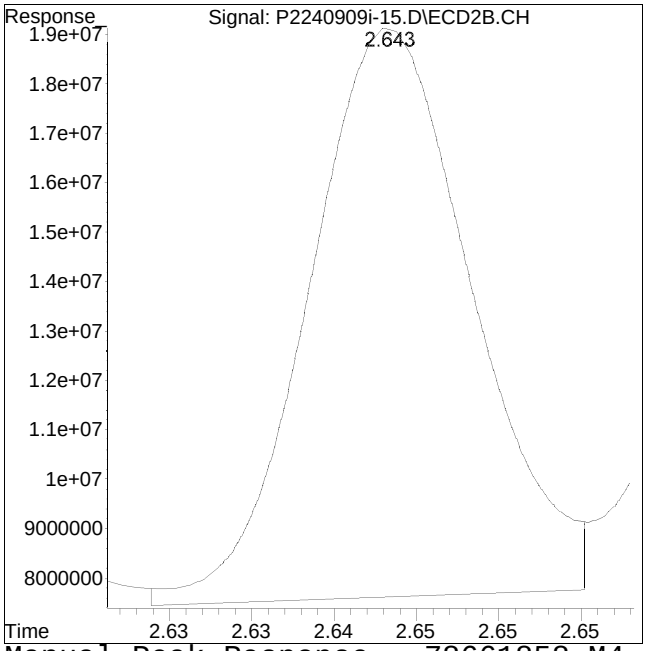
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #79: 1242-5 #2



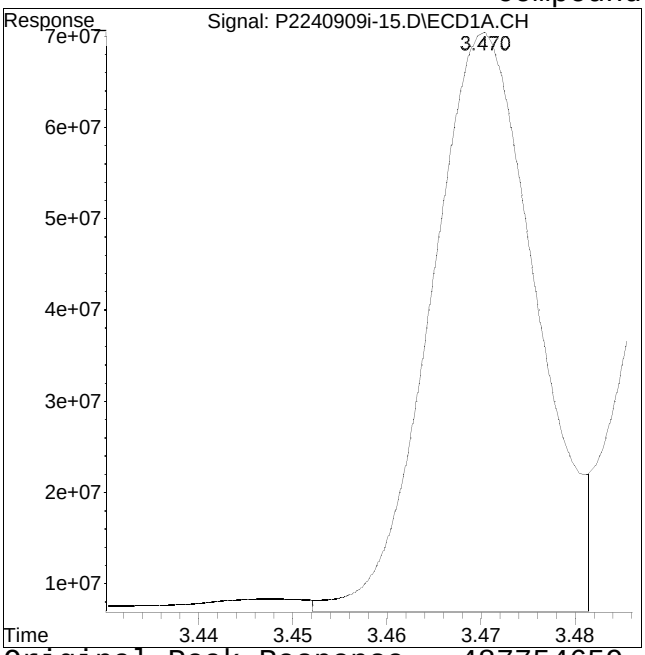


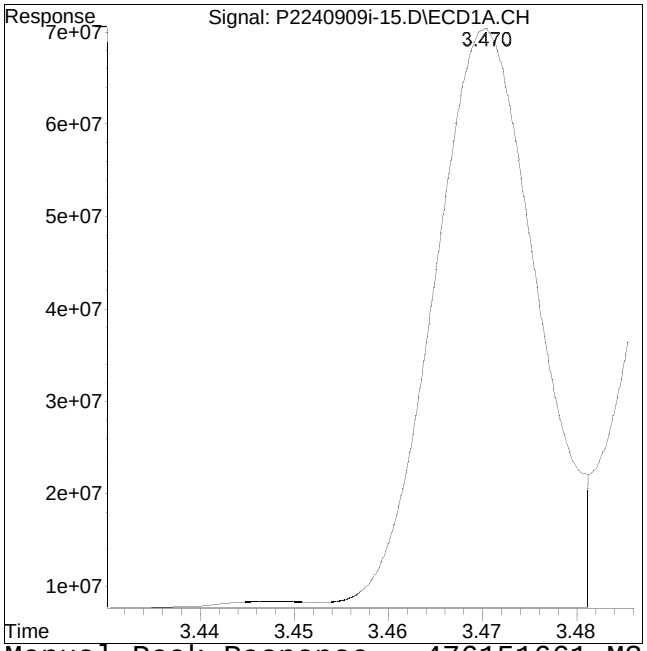
Original Peak Response = 86785838 Manual Peak Response = 78661858 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #29: 1268-1



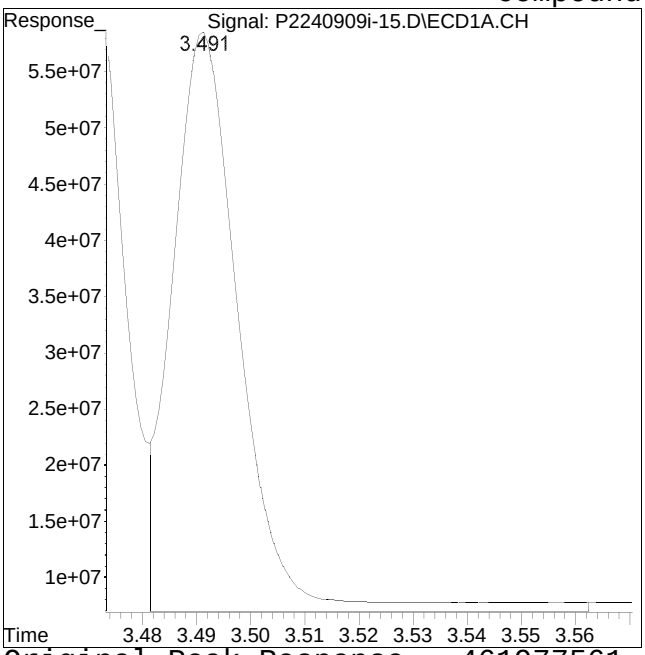


Original Peak Response = 487754659 Manual Peak Response = 476151661 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

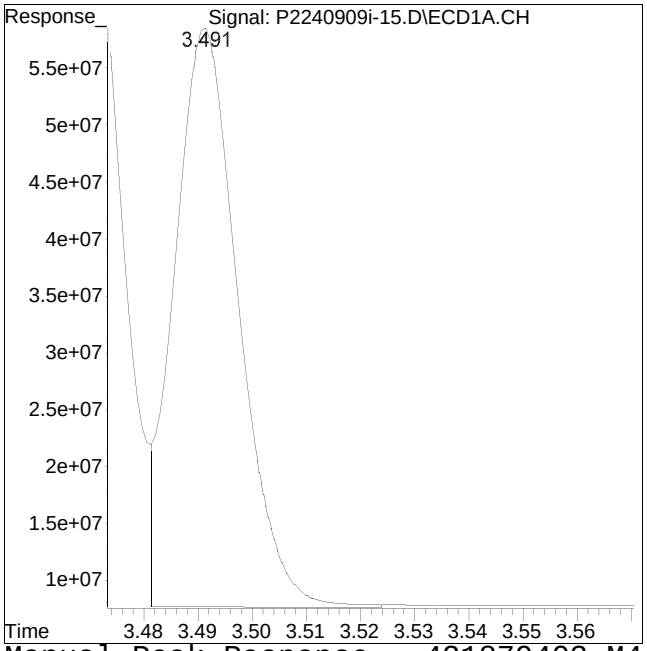
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #30: 1268-2



Original Peak Response = 461977561



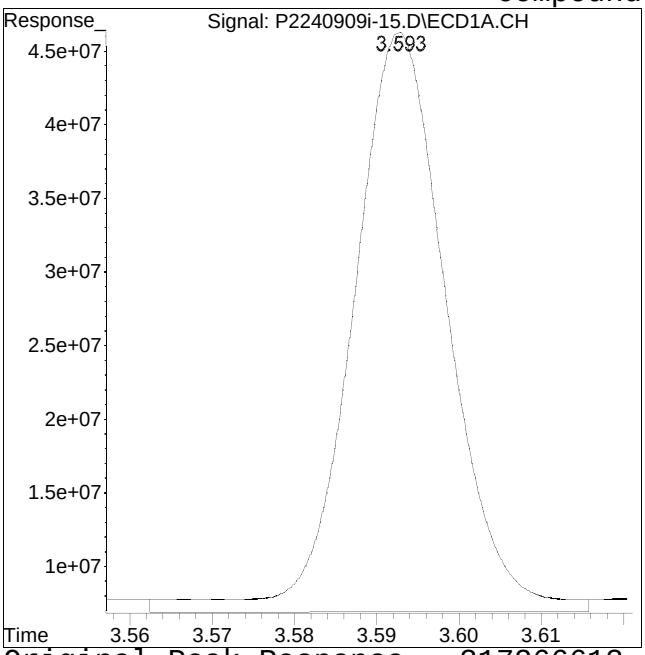
Manual Peak Response = 421879403 M4

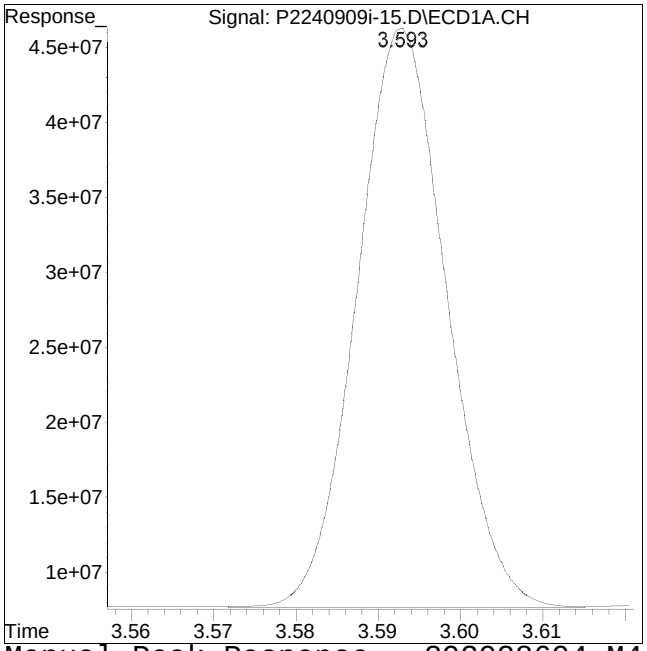
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #31: 1268-3



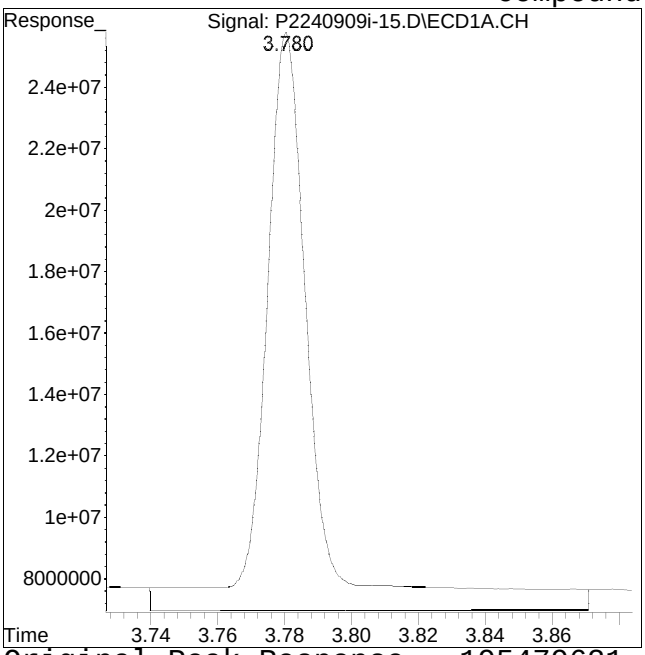


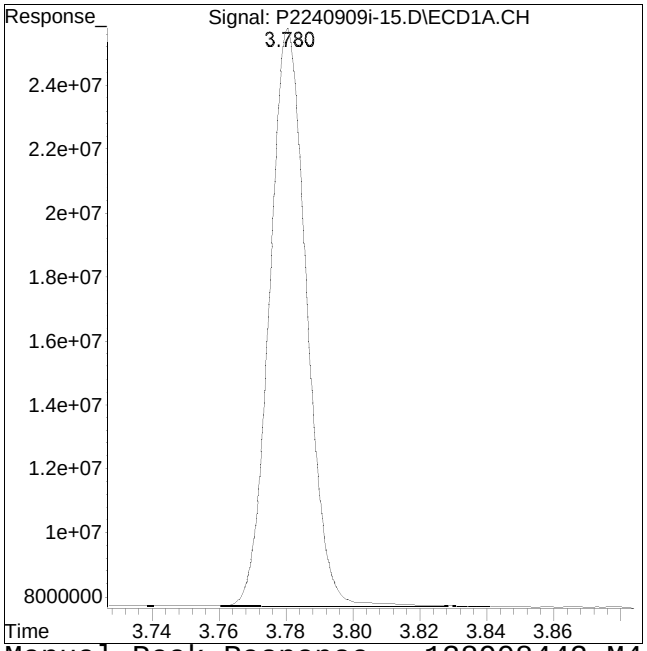
Original Peak Response = 317266613 Manual Peak Response = 292928694 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #32: 1268-4



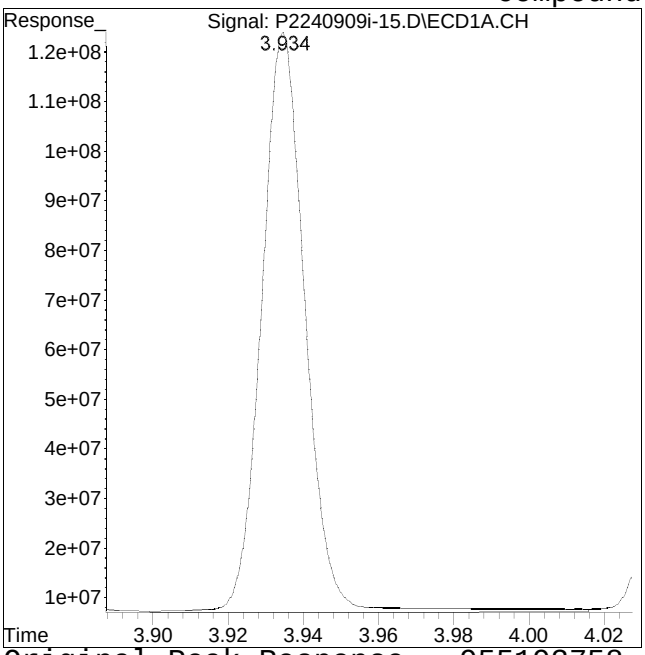


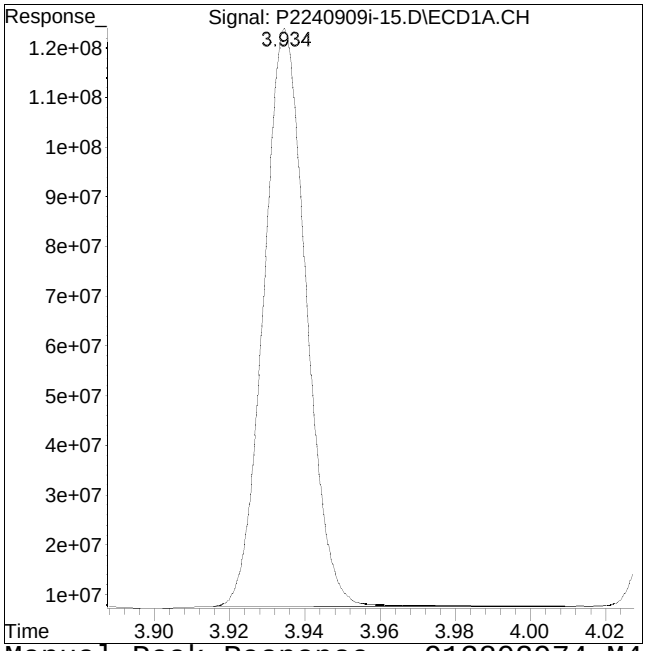
Original Peak Response = 195479621 Manual Peak Response = 138908442 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-15.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:44 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 9/10/2024 10:51 am

Compound #33: 1268-5





Original Peak Response = 955193758 Manual Peak Response = 913802974 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:53
Operator : pest2:kb
Sample   : cicv3262,42,,pp11622
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	1.745	8.3	94	0.00
3	s	Decachlorobiphenyl		1.411	1.262	10.6	92	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	102	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	101	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	103	0.00
41	l5	1232-1		0.033	0.037	-12.1	118	0.00
42	l5	1232-2		0.032	0.029	9.4	94	0.00
43	l5	1232-3		0.064	0.061	4.7	100	0.00
44	l5	1232-4		0.027	0.025	7.4	96	0.00
45	l5	1232-5		0.020	0.021	-5.0	109	0.00
46	l8	1262-1		0.094	0.092	2.1	101	0.00
47	l8	1262-2		0.140	0.133	5.0	98	0.00
48	l8	1262-3		0.107	0.104	2.8	100	0.00
49	l8	1262-4		0.233	0.219	6.0	97	0.00
50	l8	1262-5		0.068	0.068	0.0	103	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		2.114	1.909	9.7	96	0.00
3	s	Decachlorobiphenyl		1.324	1.160	12.4	96	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:53
Operator : pest2:kb
Sample   : cicv3262,42,,pp11622
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	99	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	101	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00
41	l5	1232-1		0.036	0.041	-13.9	116	0.00
42	l5	1232-2		0.038	0.036	5.3	95	0.00
43	l5	1232-3		0.070	0.068	2.9	99	0.00
44	l5	1232-4		0.028	0.027	3.6	100	0.00
45	l5	1232-5		0.023	0.023	0.0	100	0.00
46	l8	1262-1		0.093	0.079	15.1	86	0.00
47	l8	1262-2		0.124	0.105	15.3	86	0.00
48	l8	1262-3		0.116	0.099	14.7	86	0.00
49	l8	1262-4		0.211	0.186	11.8	89	0.00
50	l8	1262-5		0.075	0.071	5.3	96	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.033	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.073	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.148	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.061	0.000	100.0#	0#	-1.99#
8	l1	1016-5		0.067	0.000	100.0#	0#	-2.16#
9	l2	1260-1		0.093	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.141	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.088	0.000	100.0#	0#	-3.15#
12	l2	1260-4		0.195	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.139	0.000	100.0#	0#	-3.45#
15	l3	1221-2		0.020	0.000	100.0#	0#	-1.53#
16	l3	1221-3		0.011	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.045	0.000	100.0#	0#	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:53
Operator : pest2:kb
Sample   : cicv3262,42,,pp11622
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.065	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.132	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.114	0.000	100.0#	0#	-2.62#
21	l4	1254-4	0.089	0.000	100.0#	0#	-2.75#
22	l4	1254-5	0.127	0.000	100.0#	0#	-2.97#
24	l6	1242-1	0.023	0.000	100.0#	0#	-1.61#
25	l6	1242-2	0.051	0.000	100.0#	0#	-1.75#
26	l6	1242-3	0.106	0.000	100.0#	0#	-1.94#
27	l6	1242-4	0.046	0.000	100.0#	0#	-1.99#
28	l6	1242-5	0.037	0.000	100.0#	0#	-2.34#
29	l9	1268-1	0.231	0.000	100.0#	0#	-3.47#
30	l9	1268-2	0.207	0.000	100.0#	0#	-3.49#
31	l9	1268-3	0.168	0.000	100.0#	0#	-3.59#
32	l9	1268-4	0.078	0.000	100.0#	0#	-3.78#
33	l9	1268-5	0.521	0.000	100.0#	0#	-3.93#
35	l7	1248-1	0.070	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.088	0.000	100.0#	0#	-2.06#
37	l7	1248-3	0.082	0.000	100.0#	0#	-2.16#
38	l7	1248-4	0.074	0.000	100.0#	0#	-2.34#
39	l7	1248-5	0.065	0.000	100.0#	0#	-2.36#

Signal #2

4	l1	1016-1	0.038	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.083	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.166	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.066	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.053	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.099	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.118	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.097	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 22:53
Operator : pest2:kb
Sample   : cicv3262,42,,pp11622
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.194	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.140	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.022	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.014	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.051	0.000	100.0#	0#	-1.82#
18 l4	1254-1	0.085	0.000	100.0#	0#	-2.66#
19 l4	1254-2	0.129	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.141	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.097	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.131	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.025	0.000	100.0#	0#	-1.82#
25 l6	1242-2	0.057	0.000	100.0#	0#	-1.99#
26 l6	1242-3	0.114	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.048	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.040	0.000	100.0#	0#	-2.64#
29 l9	1268-1	0.230	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.205	0.000	100.0#	0#	-3.92#
31 l9	1268-3	0.167	0.000	100.0#	0#	-4.06#
32 l9	1268-4	0.076	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.494	0.000	100.0#	0#	-4.40#
35 l7	1248-1	0.079	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.053	0.000	100.0#	0#	-2.34#
37 l7	1248-3	0.072	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.078	0.000	100.0#	0#	-2.64#
39 l7	1248-5	0.093	0.000	100.0#	0#	-2.67#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:53
Operator : pest2:kb
Sample : cicv3262,42,,pp11622
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.255	159.3E6	176.5E6	25.000	25.000
14) i	2154_1br2nb	1.189	1.255	159.3E6	176.5E6	25.000	25.000
23) i	4268_1br2nb	1.189	1.255	159.3E6	176.5E6	25.000	25.000
34) i	1248_1br2nb	1.189	1.255	159.3E6	176.5E6	25.000	25.000
40) i	3262_1br2nb	1.189	1.255	159.3E6	176.5E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.626	177.9E6	215.6E6	14.680	14.450
	Spiked Amount 20.000	Range 30 - 150		Recovery =		73.40%	72.25%
3) s	Decachlorobi	4.038	4.550	257.4E6	262.1E6	28.627	28.034
	Spiked Amount 20.000	Range 30 - 150		Recovery =		143.13%	140.17%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:53
Operator : pest2:kb
Sample : cicv3262,42,,pp11622
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:53
Operator : pest2:kb
Sample : cicv3262,42,,pp11622
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.609	1.825	59470104	72245205	286.311	284.949M4
42) l5	1232-2	1.749	1.995	46728442	62686361	229.000M4	232.894M4
43) l5	1232-3	1.937	2.197	97773396	120.0E6	241.559M4	243.320M4
44) l5	1232-4	1.992	2.257	40118150	48521702	232.902M4	246.152M4
45) l5	1232-5	2.344	2.643	32880590	40484831	264.564M4	247.027M4
Sum	1232-1			277.0E6	344.0E6	1254.336	1254.342
Average	1232-1					250.867	250.868
46) l8	1262-1	2.835	3.179	147.0E6	138.8E6	244.334	211.536M4
47) l8	1262-2	3.027	3.413	211.3E6	185.6E6	236.512	211.716M4
48) l8	1262-3	3.151	3.571	165.0E6	174.4E6	242.331	212.070M4
49) l8	1262-4	3.306	3.700	348.9E6	328.5E6	234.820M1	220.048M4
50) l8	1262-5	3.780	4.217	108.5E6	125.5E6	248.586	236.291
Sum	1262-1			980.8E6	952.7E6	1206.583	1091.661
Average	1262-1					241.317	218.332

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			980.8E6	952.7E6	1206.583	1091.661
Average	1262-1					241.317	218.332

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:53
Operator : pest2:kb
Sample : cicv3262,42,,pp11622
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

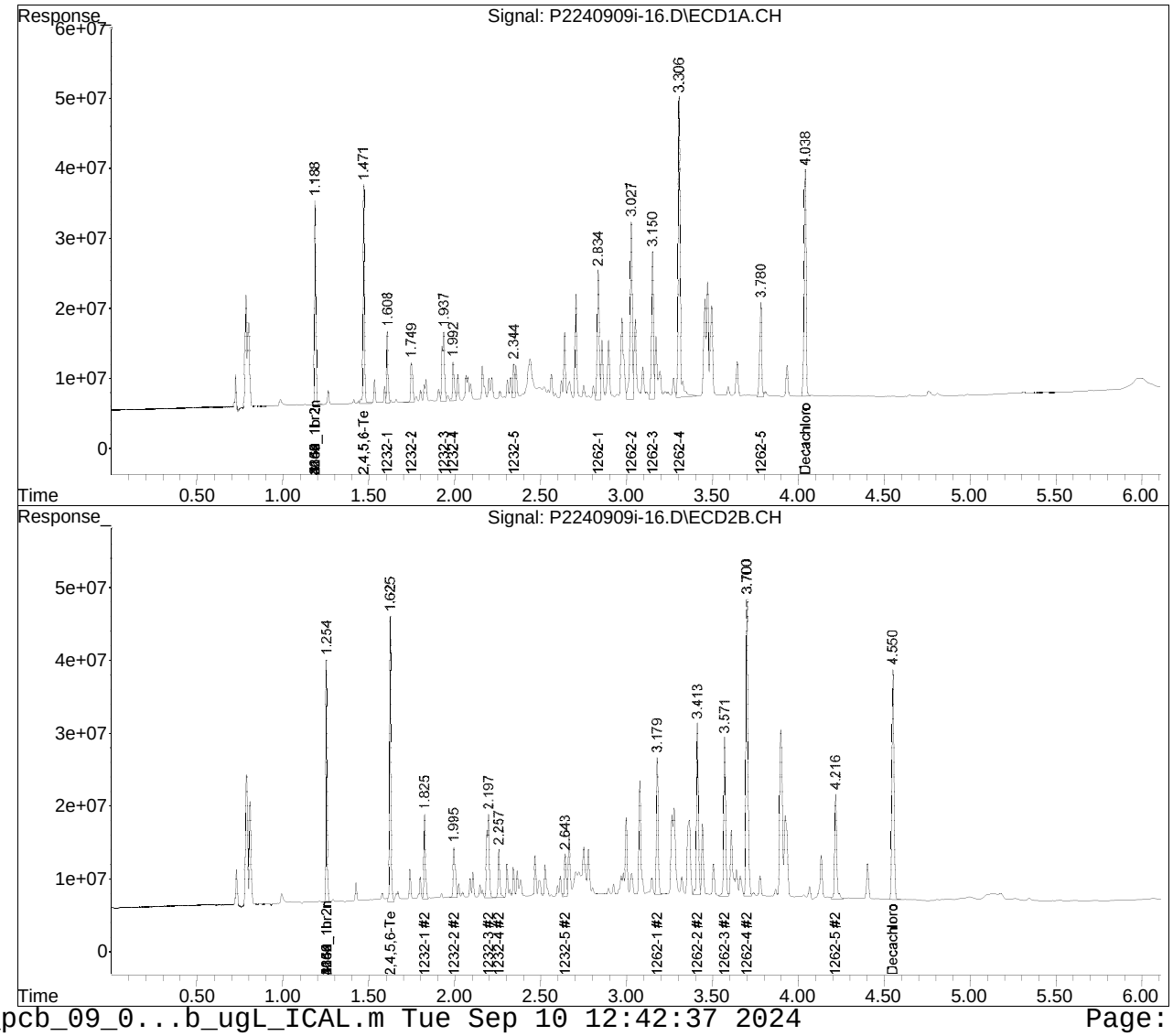
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 22:53
Operator : pest2:kb
Sample : cicv3262,42,,pp11622
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:55:39 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 10:51:34 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

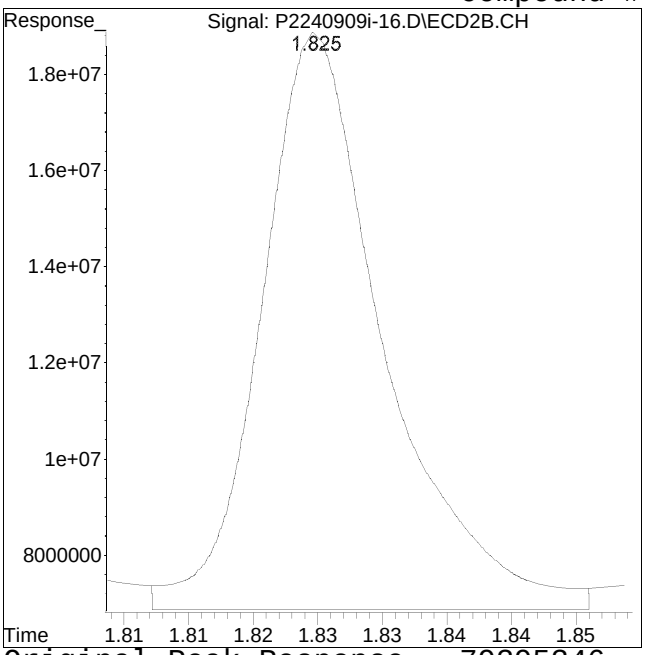
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



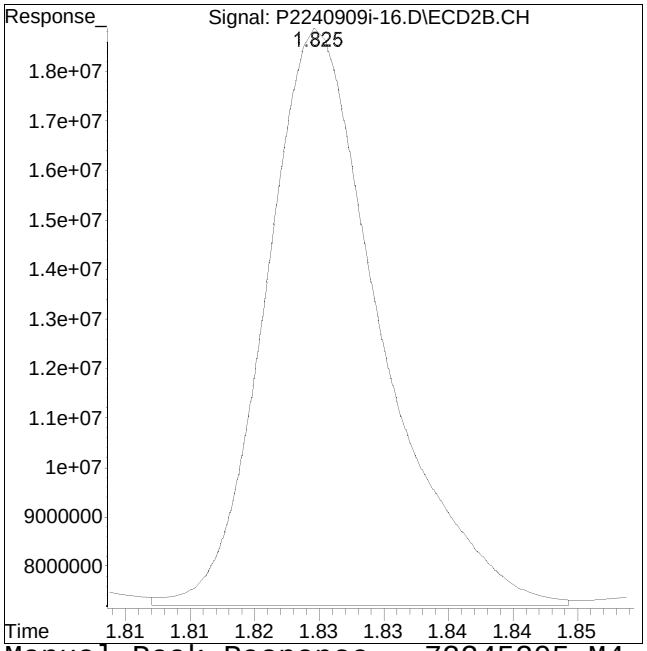
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #92: 1232-1 #2



Original Peak Response = 79395346



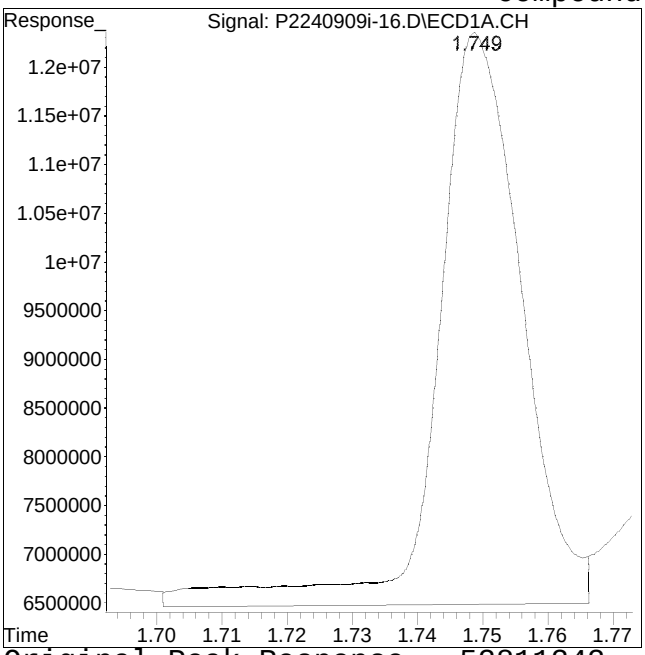
Manual Peak Response = 72245205 M4

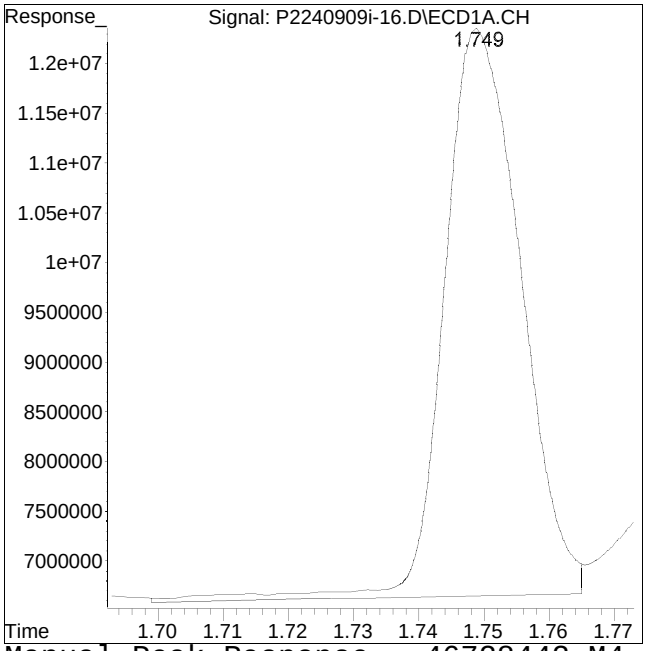
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #42: 1232-2



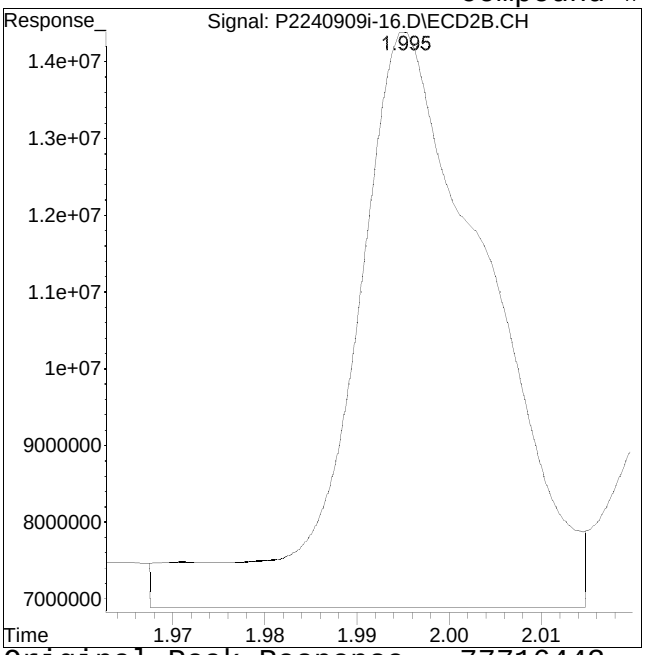


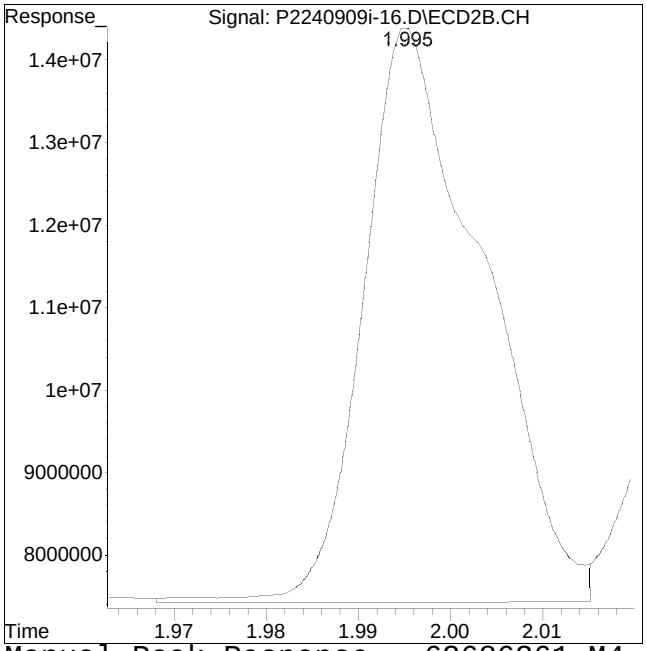
Original Peak Response = 52811242 Manual Peak Response = 46728442 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #93: 1232-2 #2



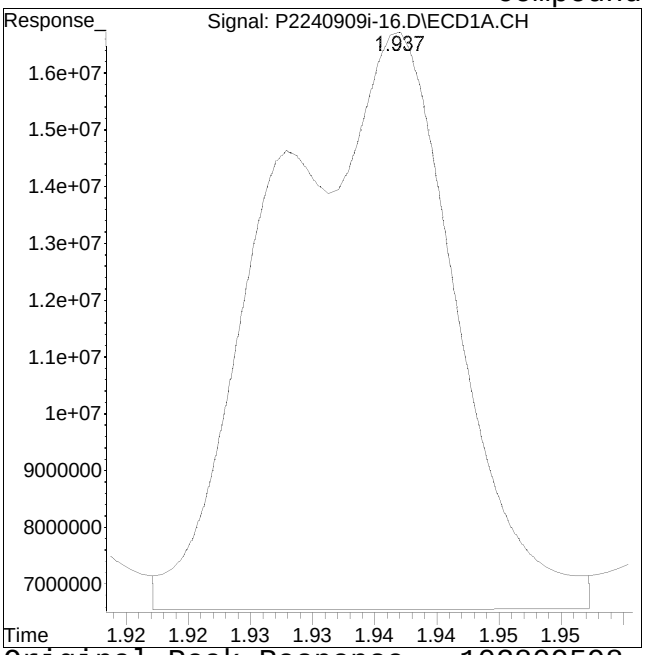


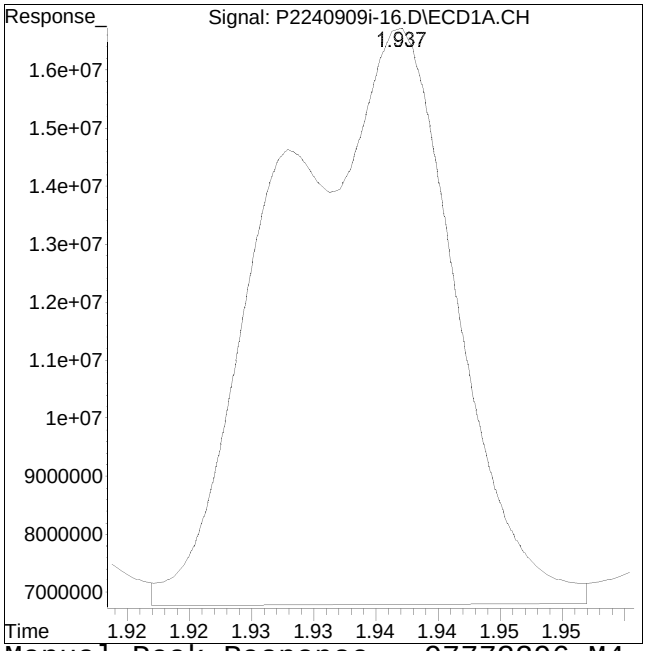
Original Peak Response = 77716443 Manual Peak Response = 62686361 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #43: 1232-3



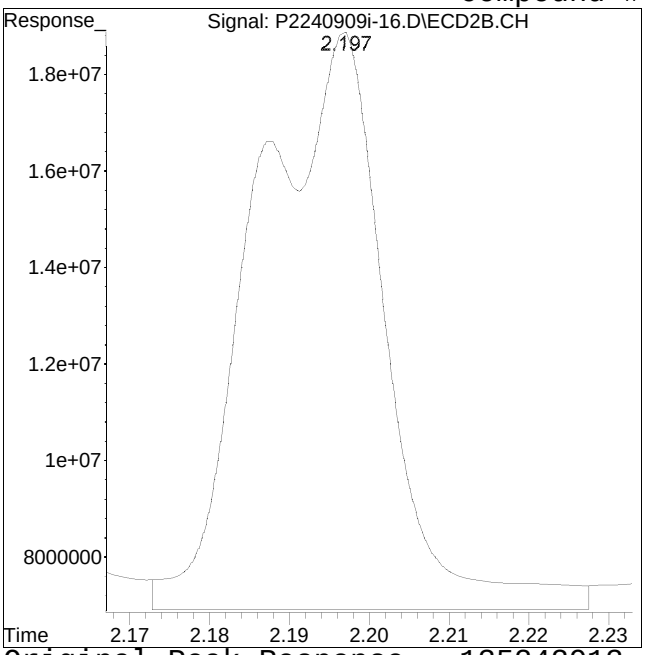


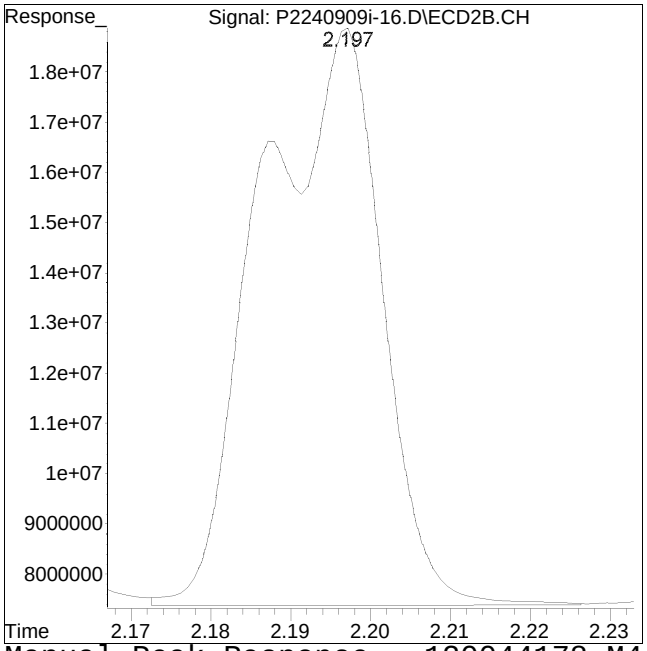
Original Peak Response = 102809598 Manual Peak Response = 97773396 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #94: 1232-3 #2



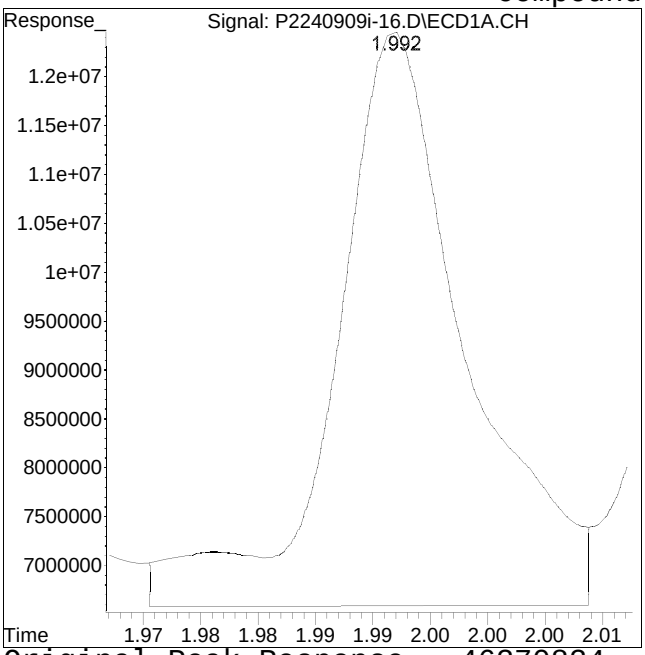


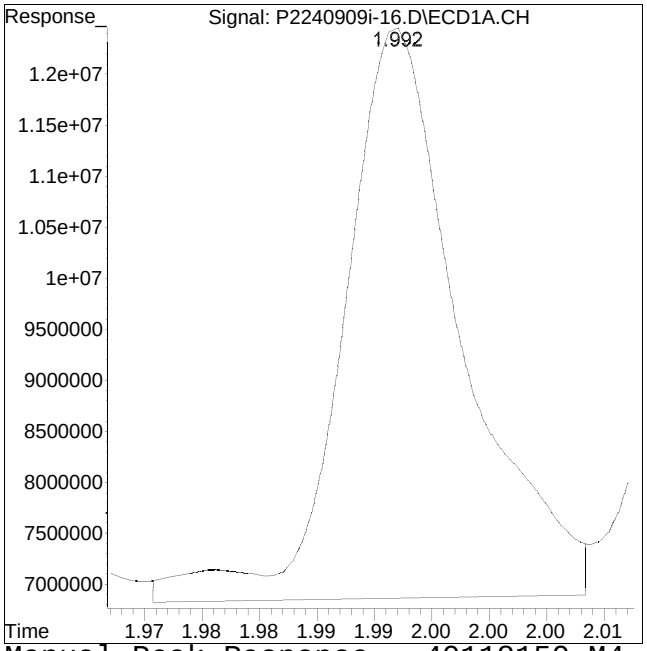
Original Peak Response = 135242913 Manual Peak Response = 120044178 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #44: 1232-4



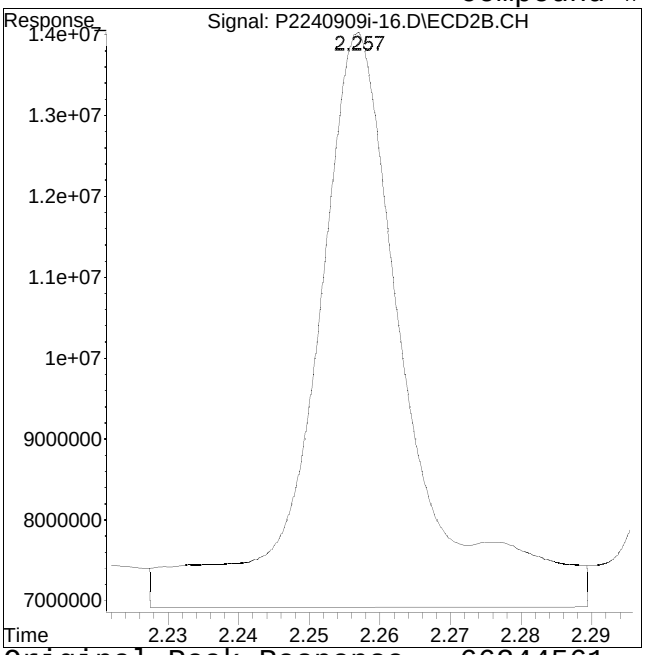


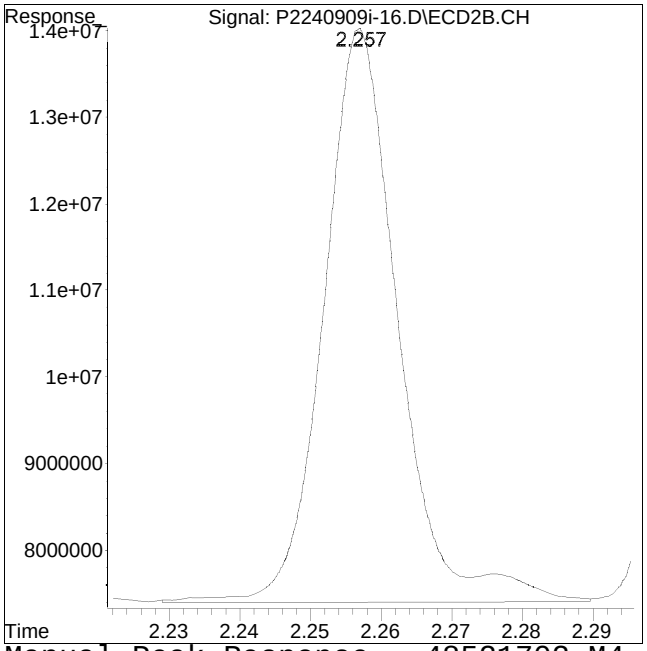
Original Peak Response = 46370834 Manual Peak Response = 40118150 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #95: 1232-4 #2



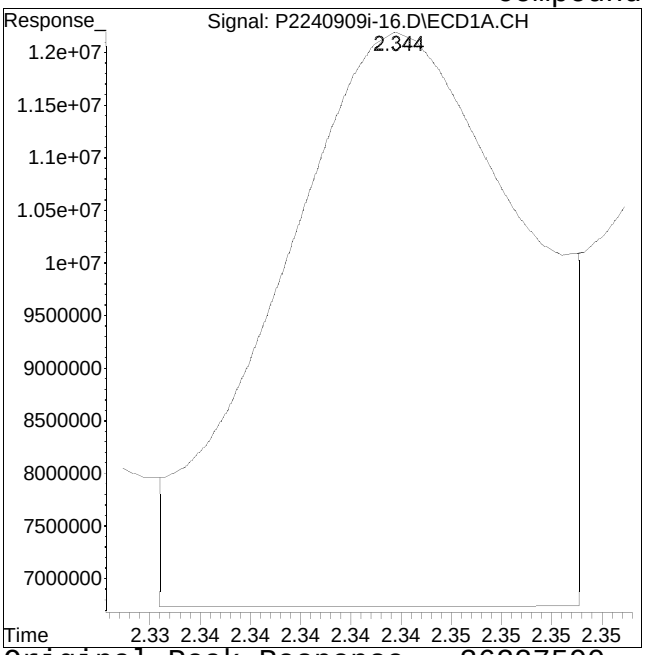


Original Peak Response = 66244561 Manual Peak Response = 48521702 M4
M4 = Poor automated baseline construction.

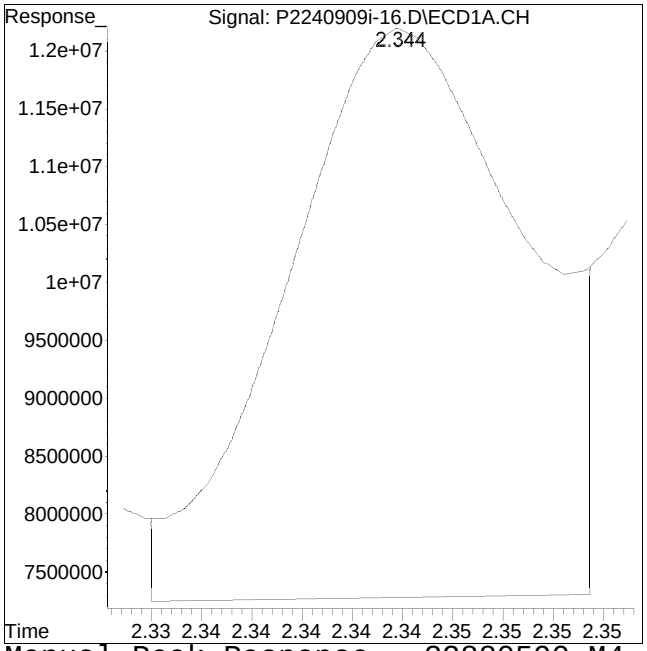
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #45: 1232-5



Original Peak Response = 36227590



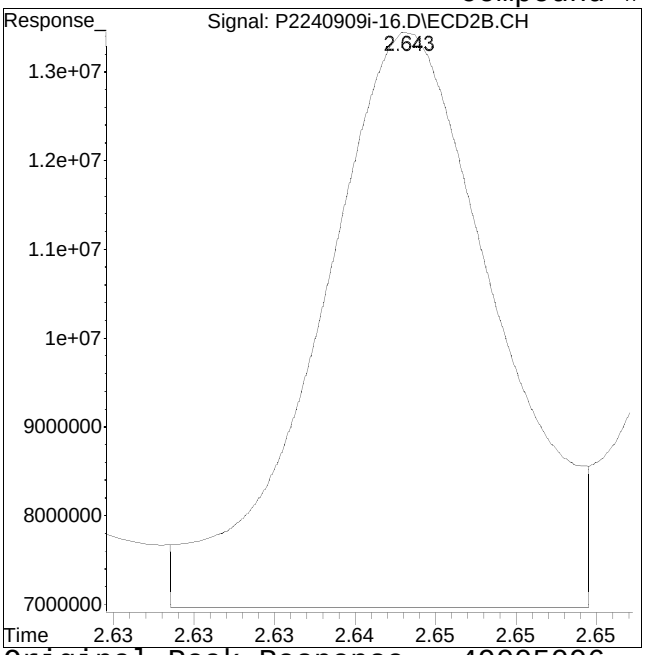
Manual Peak Response = 32880590 M4

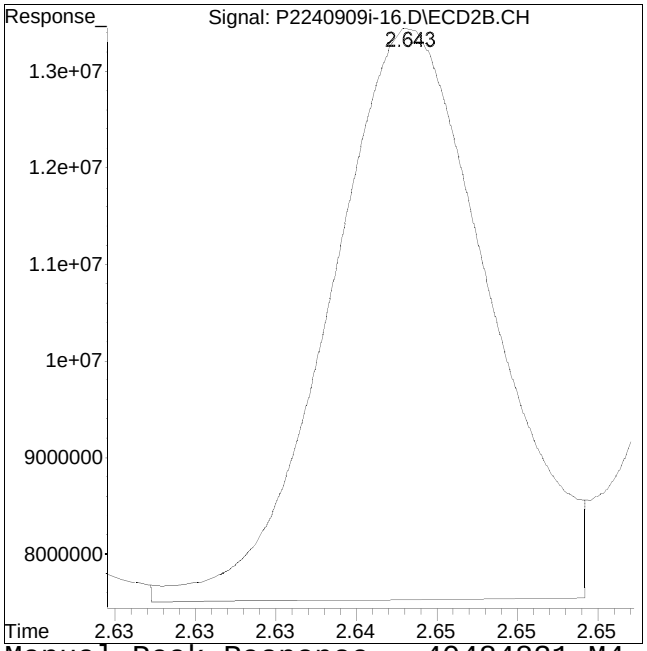
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #96: 1232-5 #2



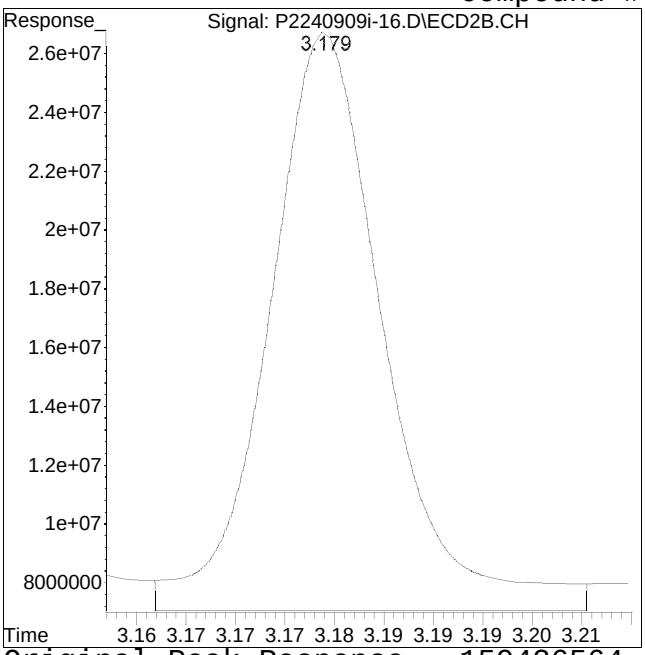


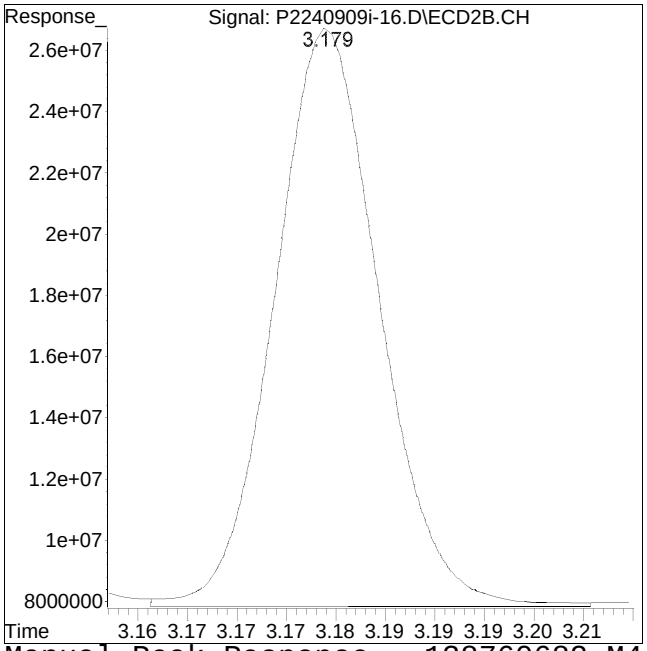
Original Peak Response = 49005096 Manual Peak Response = 40484831 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #97: 1262-1 #2



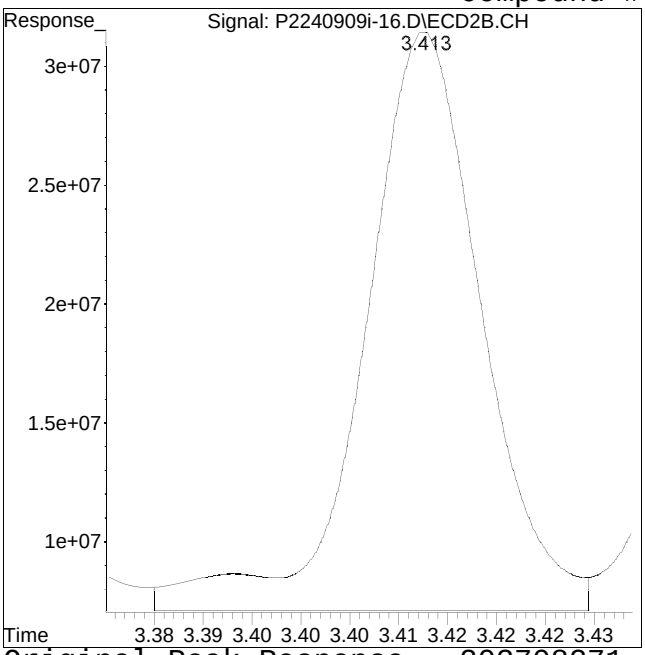


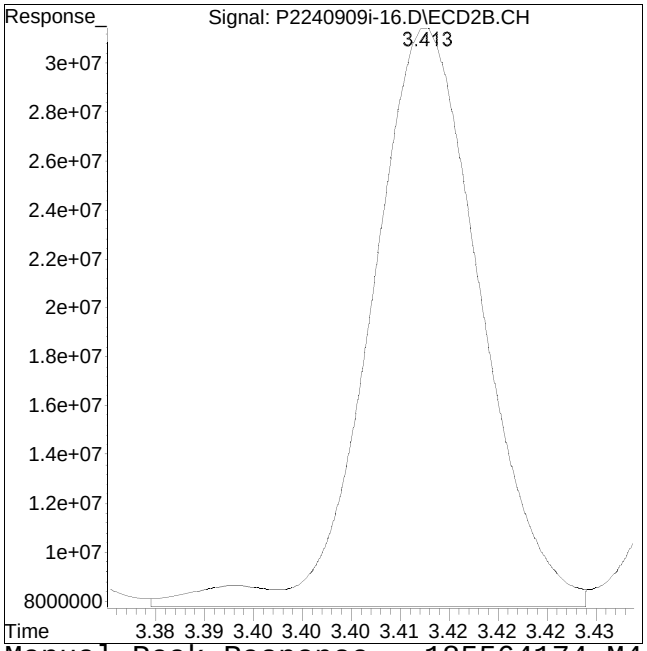
Original Peak Response = 159426564 Manual Peak Response = 138760682 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #98: 1262-2 #2



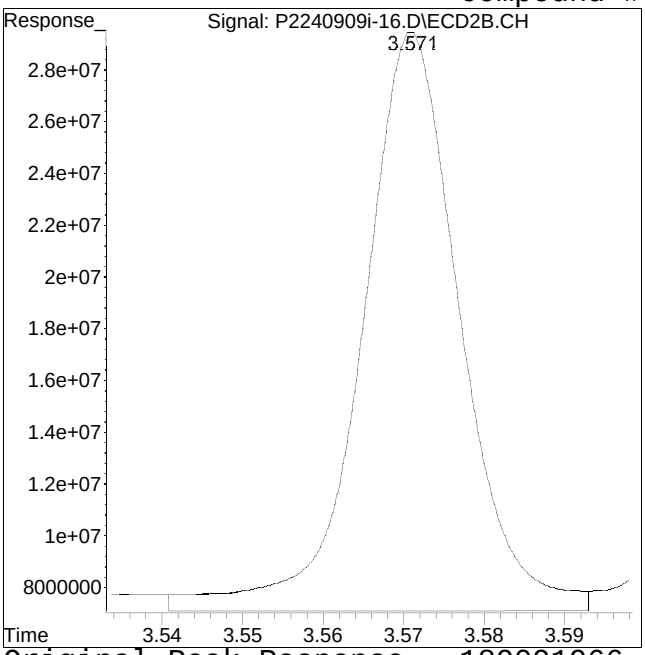


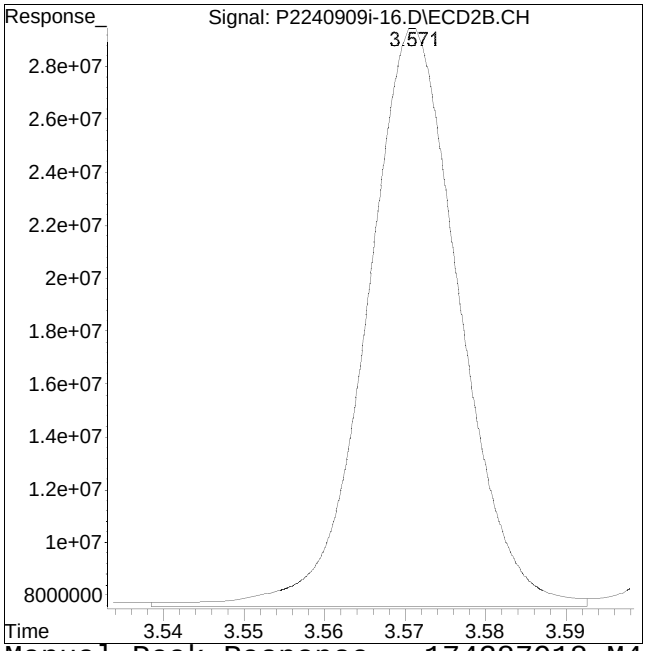
Original Peak Response = 203708271 Manual Peak Response = 185564174 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #99: 1262-3 #2



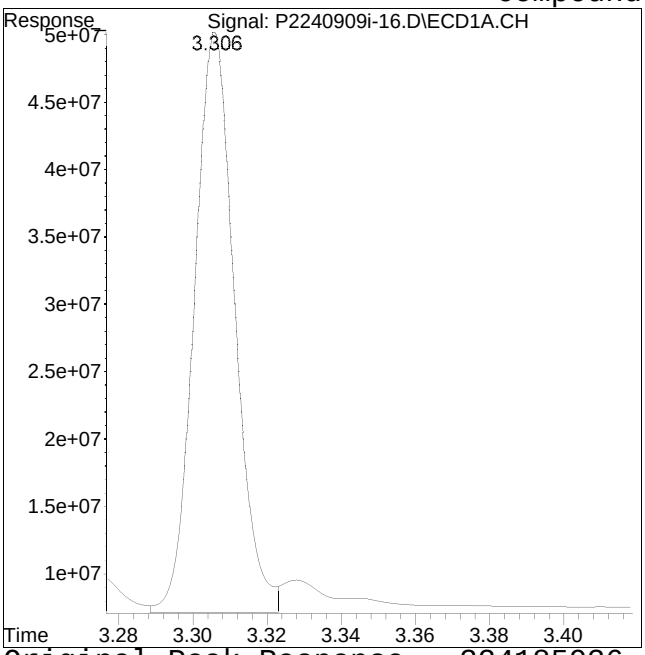


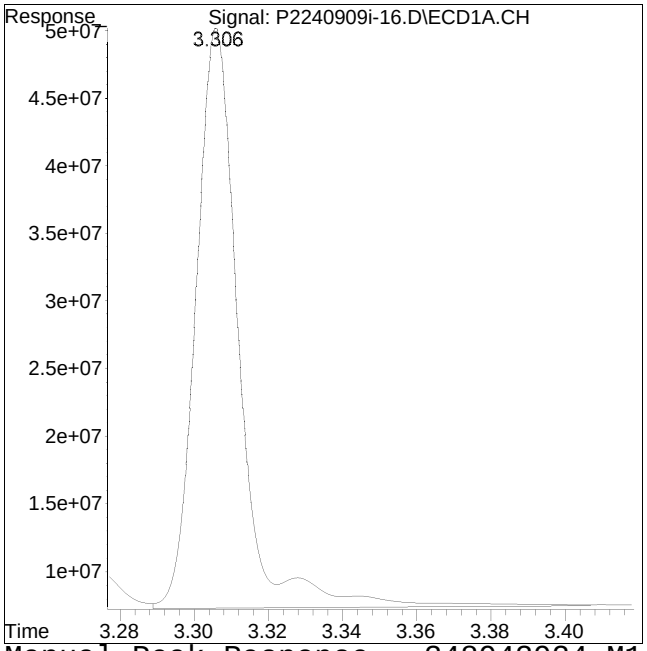
Original Peak Response = 189091966 Manual Peak Response = 174387918 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #49: 1262-4



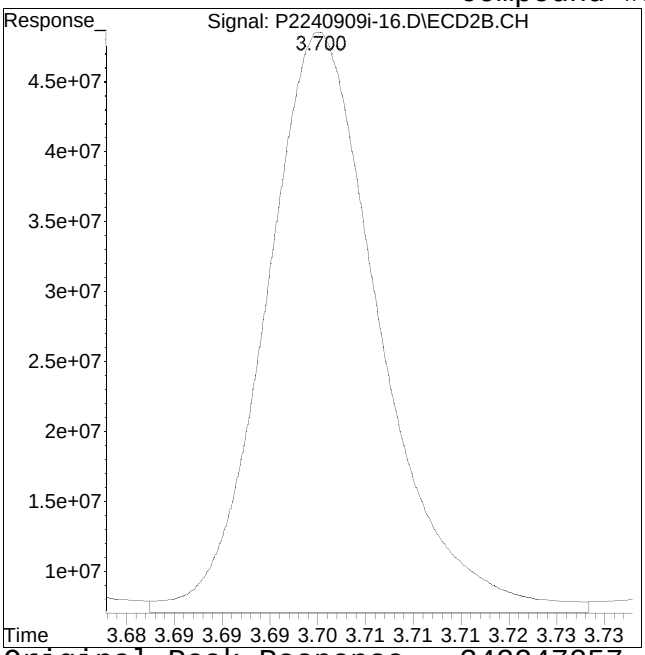


Original Peak Response = 324185936 Manual Peak Response = 348943924 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

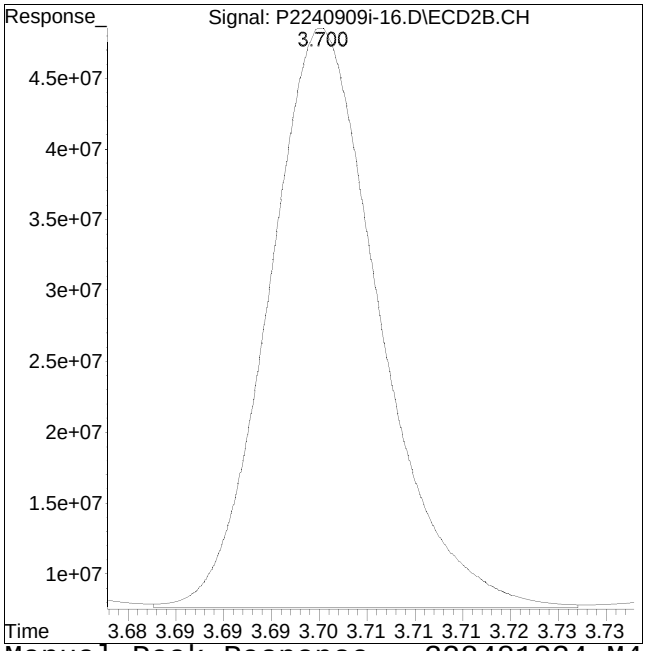
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-16.D Operator : pest2:kb
Date Inj'd : 9/9/2024 22:53 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 9/10/2024 10:55 am

Compound #100: 1262-4 #2



Original Peak Response = 342247257



Manual Peak Response = 328481834 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:03
Operator : pest2:kb
Sample   : cicv1248,42,,pp11620
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	2.182	-14.7	118	0.00
3	s	Decachlorobiphenyl		1.411	1.638	-16.1	121	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	100	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	103	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
35	l7	1248-1		0.070	0.097	-38.6#	142	0.00
36	l7	1248-2		0.088	0.107	-21.6#	124	0.00
37	l7	1248-3		0.082	0.094	-14.6	118	0.00
38	l7	1248-4		0.074	0.081	-9.5	113	0.00
39	l7	1248-5		0.065	0.066	-1.5	105	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	104	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		2.114	2.293	-8.5	119	0.00
3	s	Decachlorobiphenyl		1.324	1.462	-10.4	126	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	106	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	102	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	105	0.00
35	l7	1248-1		0.079	0.103	-30.4#	137	0.00
36	l7	1248-2		0.053	0.057	-7.5	114	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:03
Operator : pest2:kb
Sample   : cicv1248,42,,pp11620
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
37	l7	1248-3		0.071	0.074	-4.2	108	0.00
38	l7	1248-4		0.078	0.086	-10.3	116	0.00
39	l7	1248-5		0.092	0.101	-9.8	115	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	105	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.033	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.073	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.148	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.061	0.000	100.0#	0#	-1.99#
8	l1	1016-5		0.067	0.000	100.0#	0#	-2.16#
9	l2	1260-1		0.093	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.141	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.088	0.000	100.0#	0#	-3.15#
12	l2	1260-4		0.195	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.139	0.000	100.0#	0#	-3.45#
15	l3	1221-2		0.020	0.000	100.0#	0#	-1.53#
16	l3	1221-3		0.011	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.045	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.065	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.132	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.114	0.000	100.0#	0#	-2.62#
21	l4	1254-4		0.089	0.000	100.0#	0#	-2.75#
22	l4	1254-5		0.127	0.000	100.0#	0#	-2.97#
24	l6	1242-1		0.023	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.051	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.106	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.046	0.000	100.0#	0#	-1.99#
28	l6	1242-5		0.037	0.000	100.0#	0#	-2.34#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:03
Operator : pest2:kb
Sample   : cicv1248,42,,pp11620
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.231	0.000	100.0#	0#	-3.47#
30	l9	1268-2	0.207	0.000	100.0#	0#	-3.49#
31	l9	1268-3	0.168	0.000	100.0#	0#	-3.59#
32	l9	1268-4	0.078	0.000	100.0#	0#	-3.78#
33	l9	1268-5	0.521	0.000	100.0#	0#	-3.93#
41	l5	1232-1	0.033	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.032	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.064	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.027	0.000	100.0#	0#	-1.99#
45	l5	1232-5	0.020	0.000	100.0#	0#	-2.34#
46	l8	1262-1	0.094	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.140	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.107	0.000	100.0#	0#	-3.15#
49	l8	1262-4	0.233	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.068	0.000	100.0#	0#	-3.78#

Signal #2

4	l1	1016-1	0.038	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.083	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.166	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.066	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.053	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.099	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.118	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.097	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.194	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.140	0.000	100.0#	0#	-3.90#
15	l3	1221-2	0.022	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.014	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.051	0.000	100.0#	0#	-1.82#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:03
Operator : pest2:kb
Sample   : cicv1248,42,,pp11620
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18 l4	1254-1	0.085	0.000	100.0#	0#	-2.66#
19 l4	1254-2	0.129	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.141	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.097	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.131	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.025	0.000	100.0#	0#	-1.82#
25 l6	1242-2	0.057	0.000	100.0#	0#	-1.99#
26 l6	1242-3	0.114	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.048	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.040	0.000	100.0#	0#	-2.64#
29 l9	1268-1	0.230	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.205	0.000	100.0#	0#	-3.92#
31 l9	1268-3	0.167	0.000	100.0#	0#	-4.06#
32 l9	1268-4	0.076	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.494	0.000	100.0#	0#	-4.40#
41 l5	1232-1	0.036	0.000	100.0#	0#	-1.82#
42 l5	1232-2	0.038	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.070	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.028	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.023	0.000	100.0#	0#	-2.64#
46 l8	1262-1	0.093	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.124	0.000	100.0#	0#	-3.41#
48 l8	1262-3	0.116	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.211	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.075	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:03
Operator : pest2:kb
Sample : cicv1248,42,,pp11620
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.255	160.7E6	183.0E6	25.000	25.000
14) i	2154_1br2nb	1.189	1.255	160.7E6	183.0E6	25.000	25.000
23) i	4268_1br2nb	1.189	1.255	160.7E6	183.0E6	25.000	25.000
34) i	1248_1br2nb	1.189	1.255	160.7E6	183.0E6	25.000	25.000
40) i	3262_1br2nb	1.189	1.255	160.7E6	183.0E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.626	224.4E6	268.5E6	18.354	17.353
	Spiked Amount	20.000	Range 30 - 150		Recovery =	91.77%	86.77%
3) s	Decachlorobi	4.038	4.550	336.9E6	342.5E6	37.143M4	35.337M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	185.72%#	176.69%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:03
Operator : pest2:kb
Sample : cicv1248,42,,pp11620
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.937	2.197	156.2E6	189.0E6	346.352M4	327.273M4
36) l7	1248-2	2.066	2.341	171.2E6	105.2E6	302.966M1	271.867M4
37) l7	1248-3	2.162	2.468	151.4E6	135.3E6	287.250M4	258.670M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:03
Operator : pest2:kb
Sample : cicv1248,42,,pp11620
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	2.344	2.643	130.6E6	157.9E6	274.731M4	277.804M4
39) l7	1248-5	2.357	2.667	106.6E6	185.1E6	255.178M4	273.920M4
Sum	1248-1			716.1E6	772.6E6	1466.477	1409.533
Average	1248-1					293.295	281.907
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:03
Operator : pest2:kb
Sample : cicv1248,42,,pp11620
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

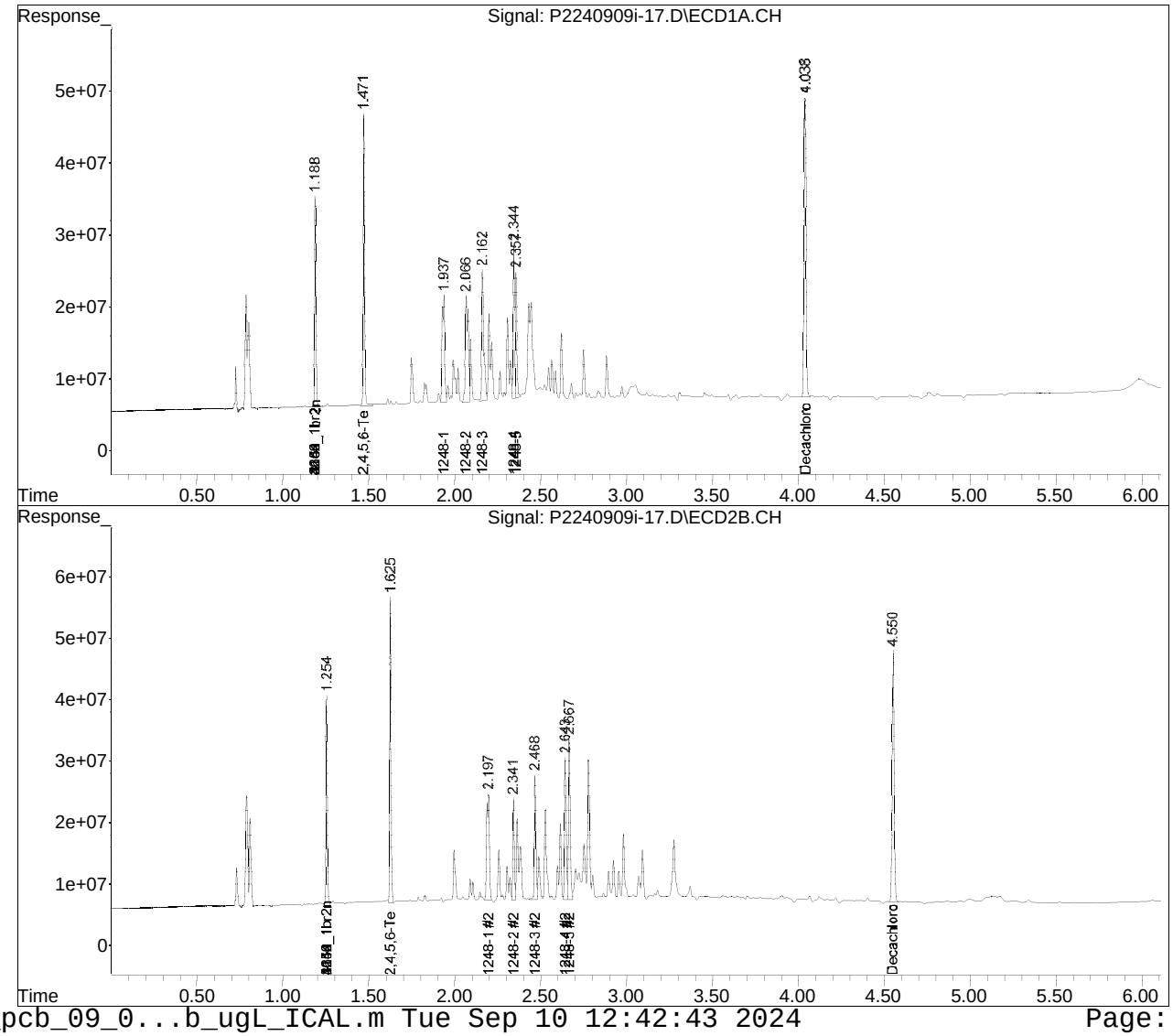
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:03
Operator : pest2:kb
Sample : cicv1248,42,,pp11620
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:07:10 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:07:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

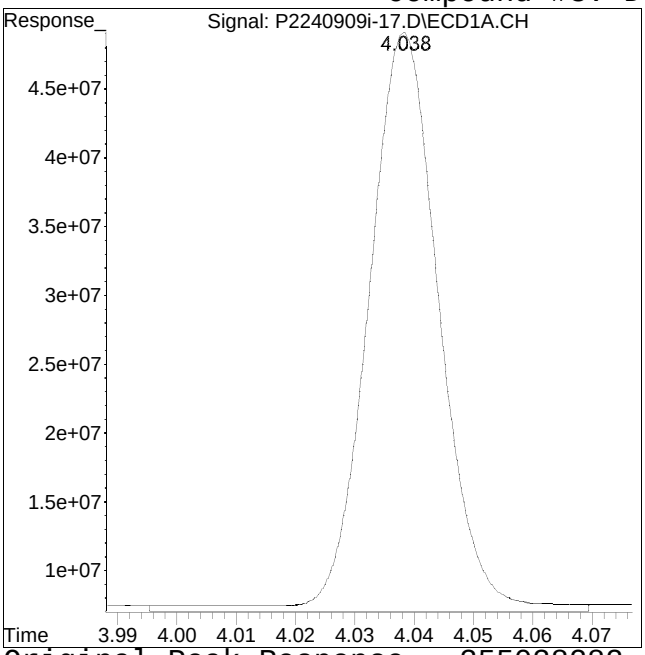
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

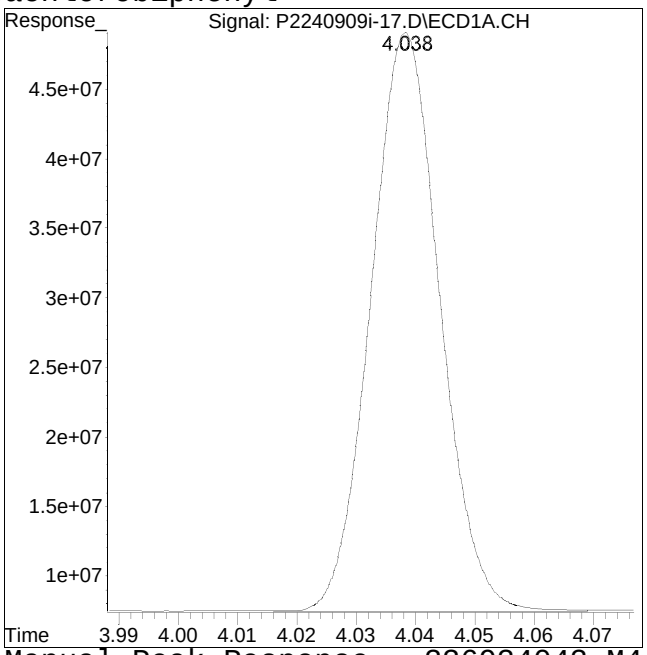


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #3: Decachlorobiphenyl



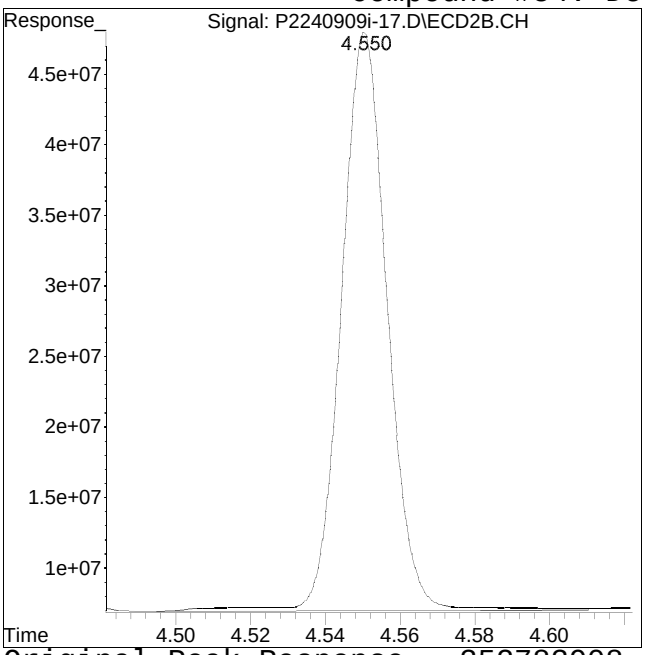


Original Peak Response = 355038282 Manual Peak Response = 336934043 M4
M4 = Poor automated baseline construction.

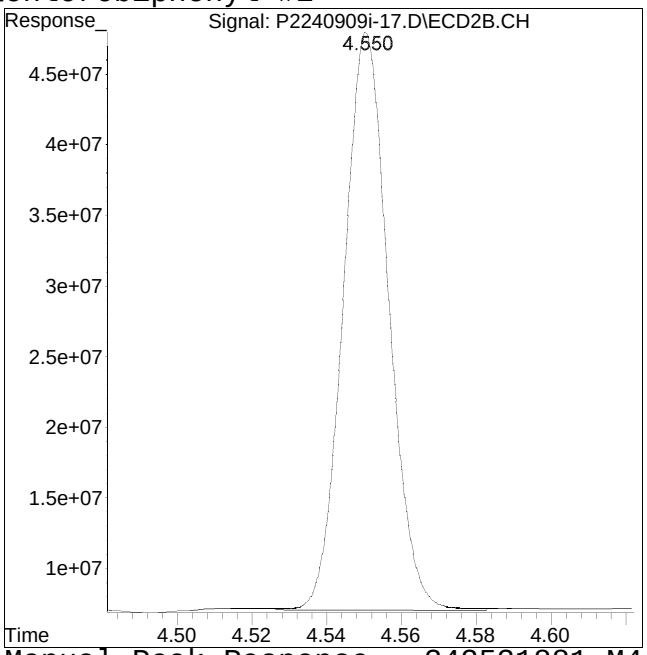
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 352783908



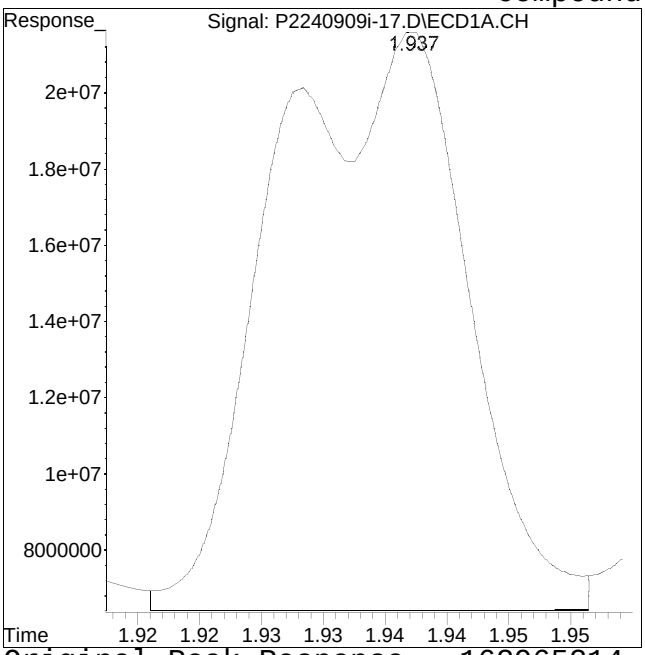
Manual Peak Response = 342531881 M4

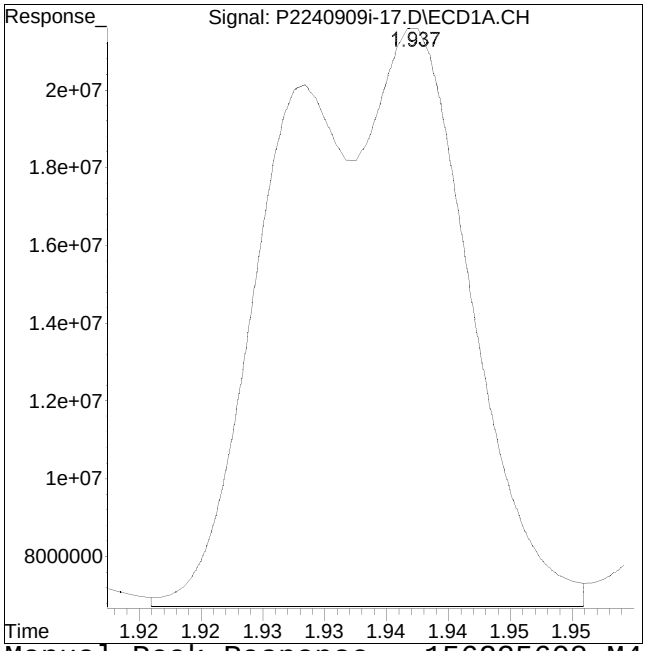
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #35: 1248-1



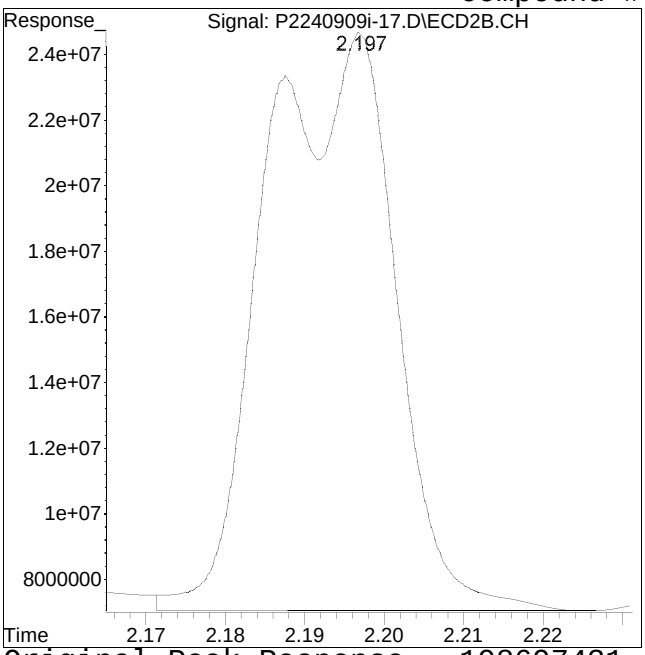


Original Peak Response = 162965214 Manual Peak Response = 156225608 M4
M4 = Poor automated baseline construction.

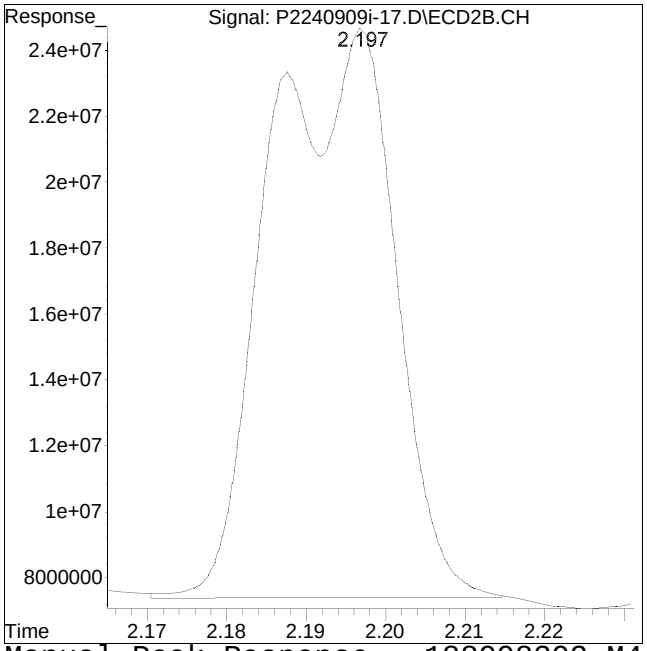
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #86: 1248-1 #2



Original Peak Response = 198697431



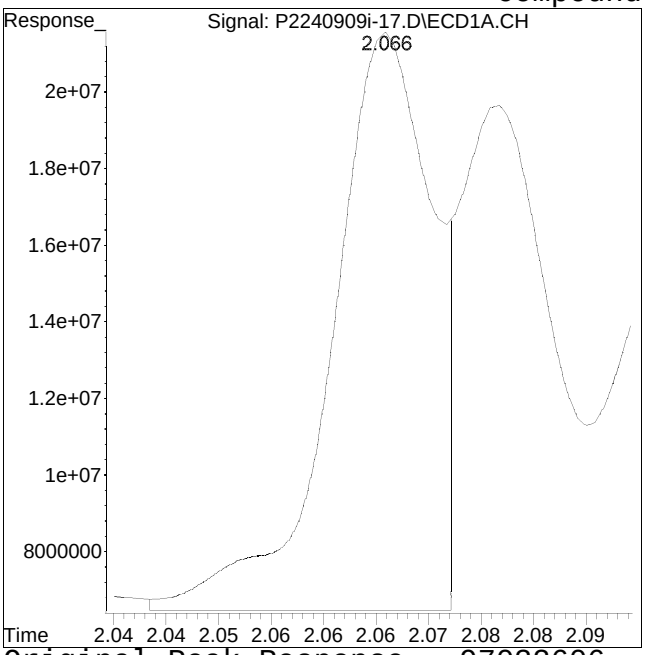
Manual Peak Response = 188998392 M4

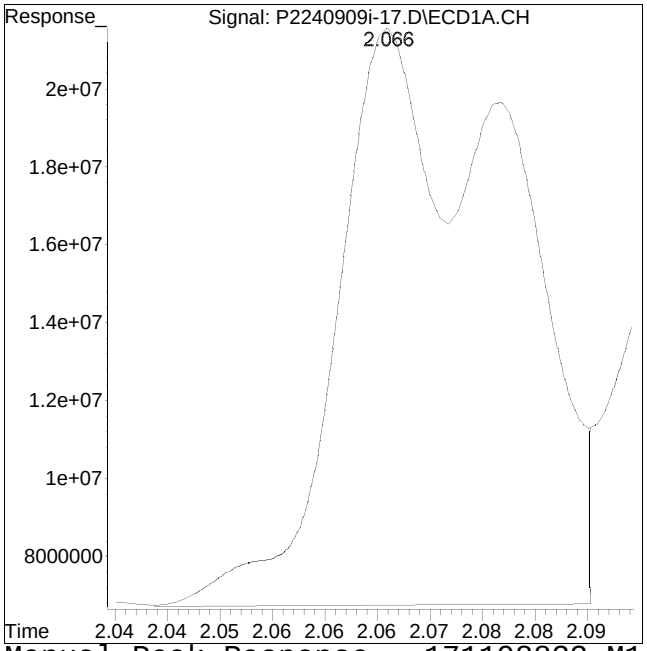
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #36: 1248-2



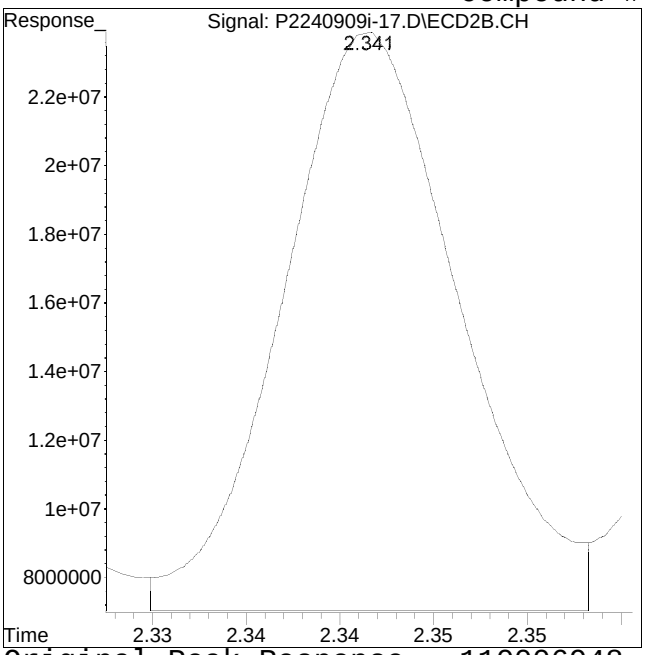


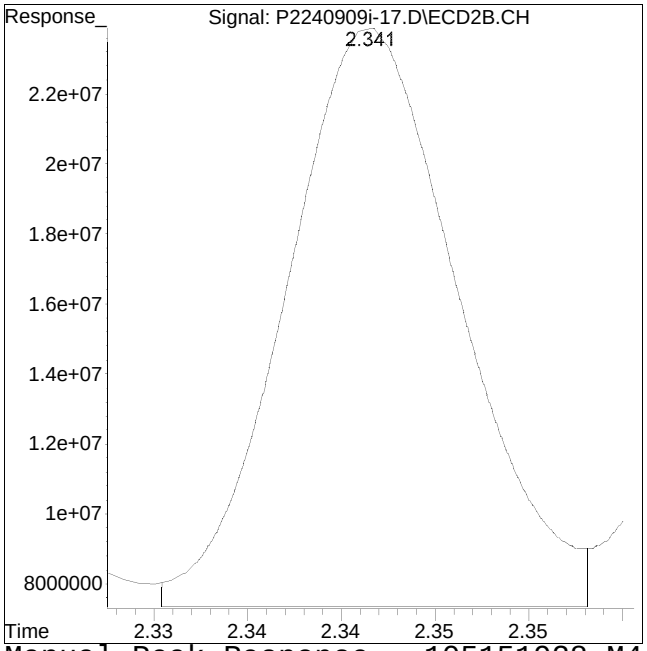
Original Peak Response = 97032606 Manual Peak Response = 171198833 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #87: 1248-2 #2



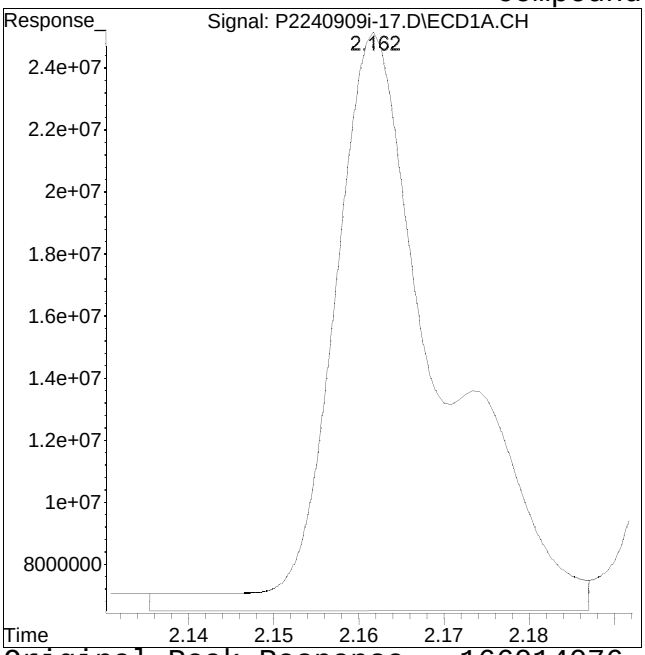


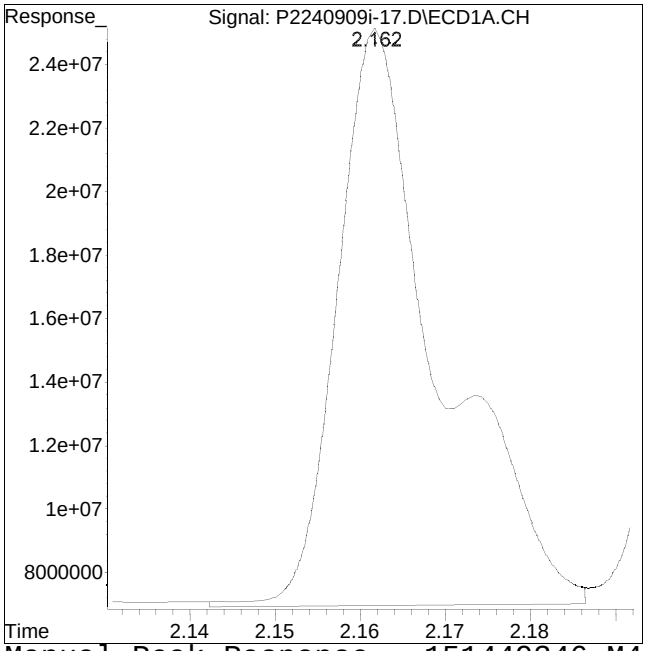
Original Peak Response = 110006948 Manual Peak Response = 105151928 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #37: 1248-3



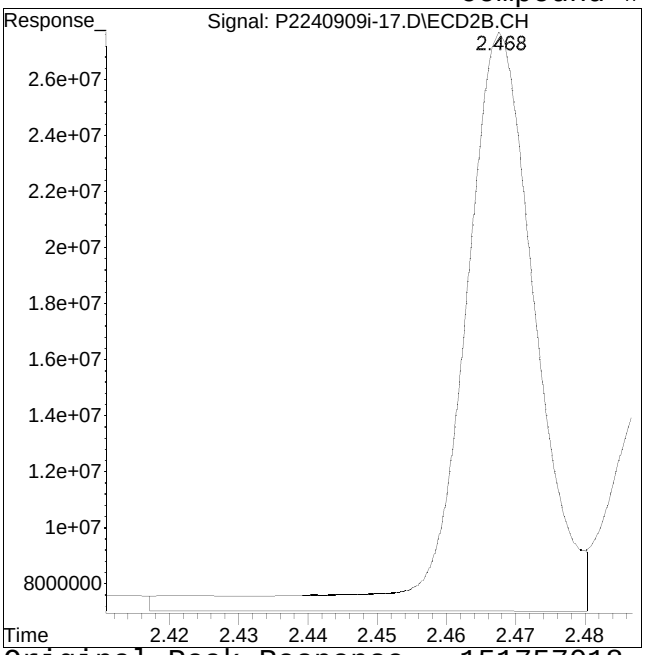


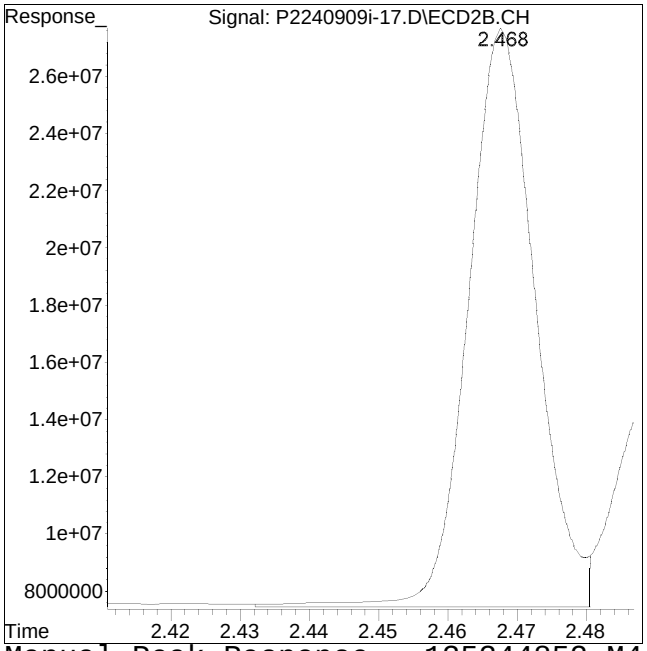
Original Peak Response = 166014076 Manual Peak Response = 151449346 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #88: 1248-3 #2



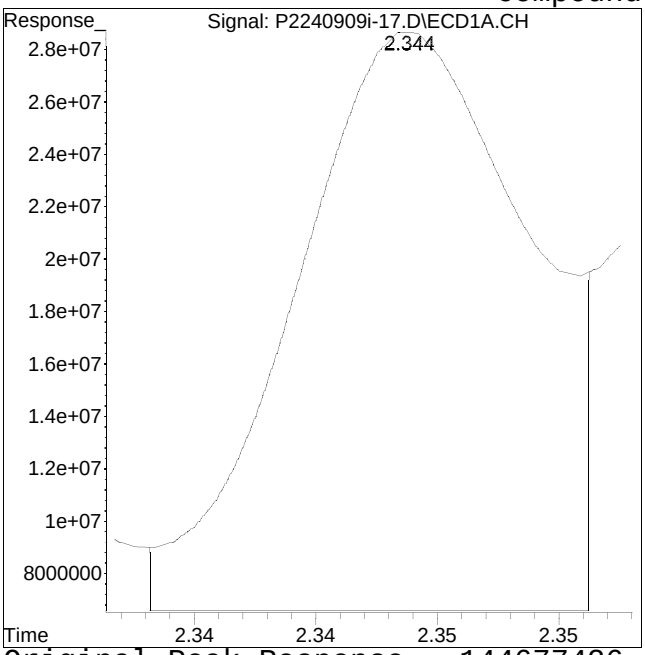


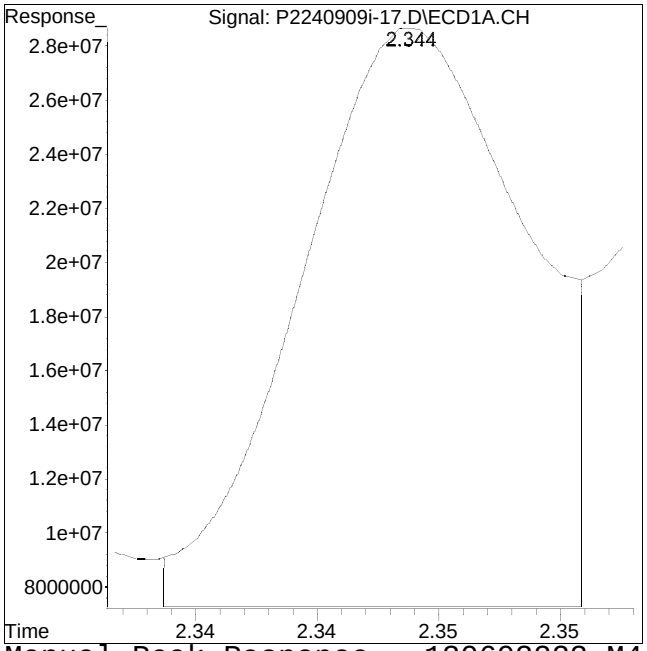
Original Peak Response = 151757018 Manual Peak Response = 135344852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #38: 1248-4



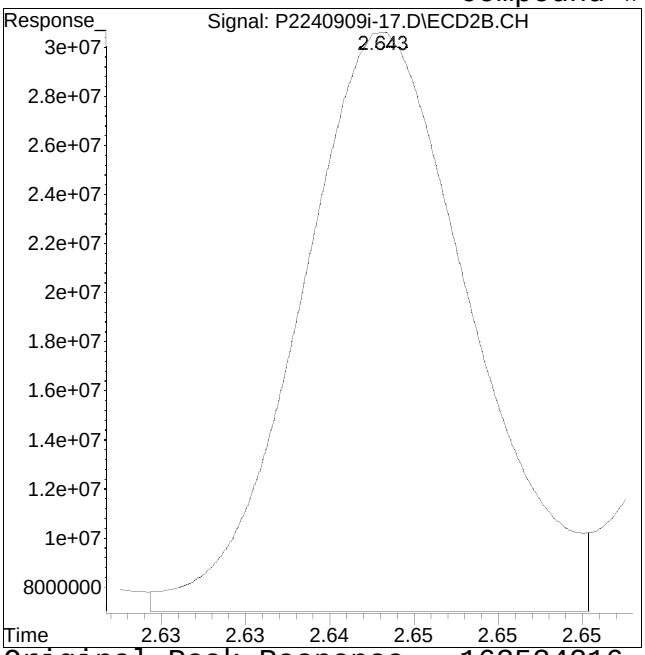


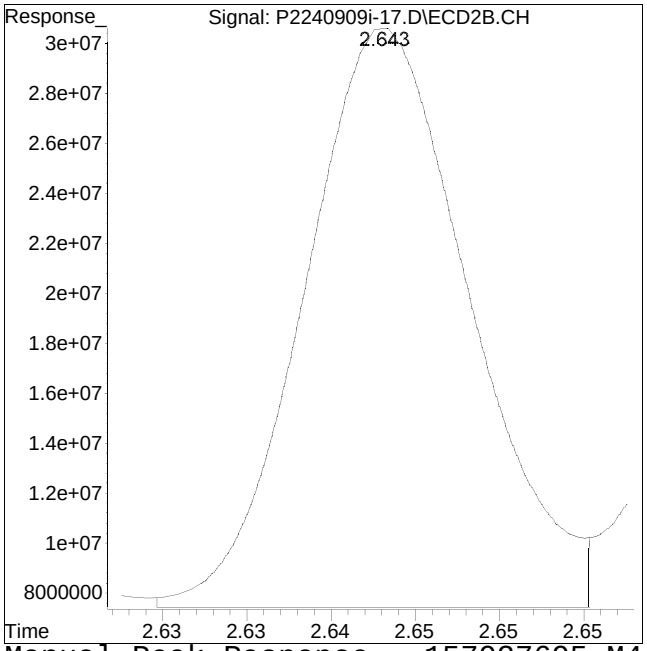
Original Peak Response = 144677426 Manual Peak Response = 130603223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #89: 1248-4 #2



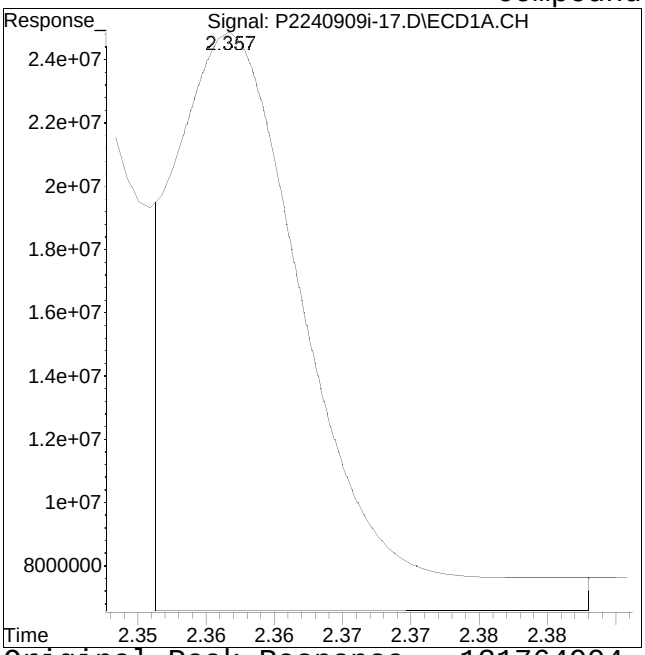


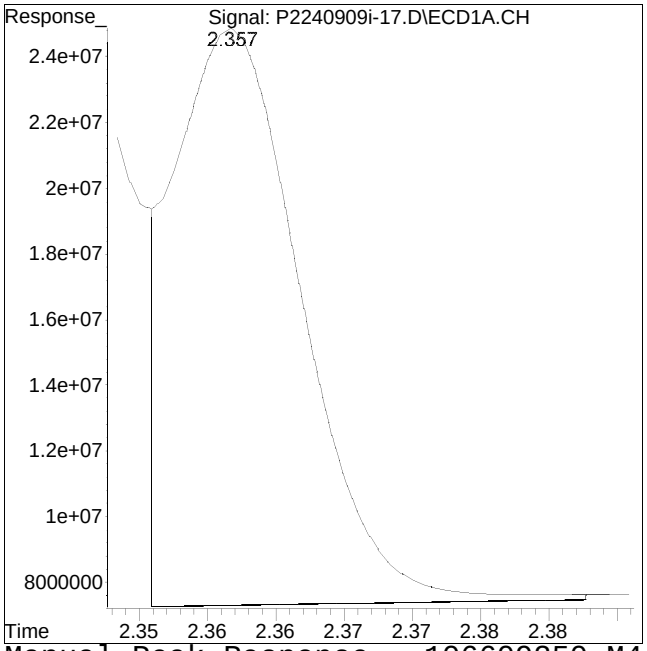
Original Peak Response = 163524216 Manual Peak Response = 157927695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #39: 1248-5



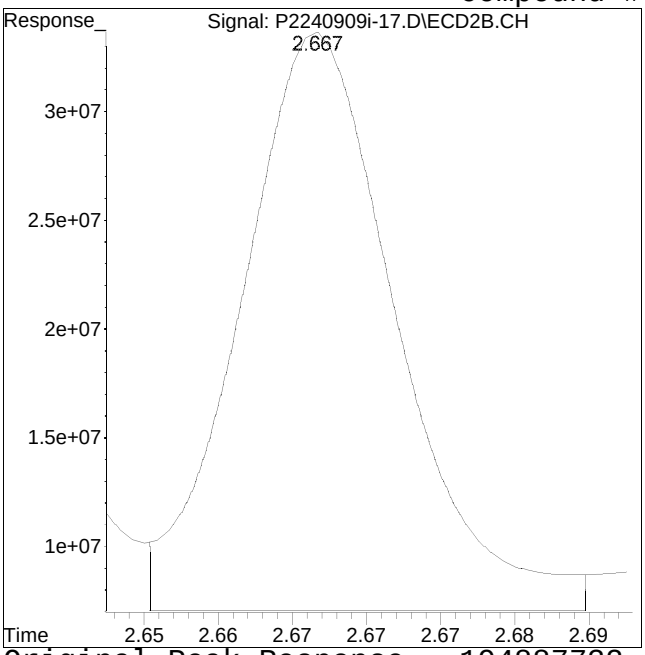


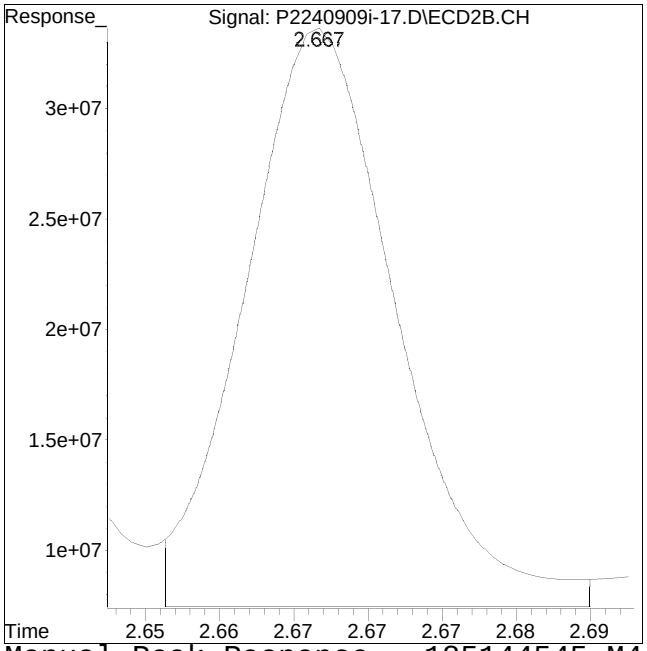
Original Peak Response = 131764904 Manual Peak Response = 106609250 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-17.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:03 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 9/10/2024 11:07 am

Compound #90: 1248-5 #2





Original Peak Response = 194887732 Manual Peak Response = 185144545 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:12
Operator : pest2:kb
Sample   : cicv2154,42,,pp11619
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	1.680	11.7	94	0.00
3	s	Decachlorobiphenyl		1.411	1.263	10.5	96	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	103	0.00
15	l3	1221-2		0.020	0.017	15.0	89	0.00
16	l3	1221-3		0.011	0.011	0.0	98	0.00
17	l3	1221-4		0.045	0.042	6.7	95	0.00
18	l4	1254-1		0.065	0.061	6.2	97	0.00
19	l4	1254-2		0.132	0.126	4.5	98	0.00
20	l4	1254-3		0.114	0.113	0.9	102	0.00
21	l4	1254-4		0.089	0.089	0.0	102	0.00
22	l4	1254-5		0.127	0.117	7.9	95	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	106	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	105	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	107	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	105	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		2.114	1.827	13.6	96	0.00
3	s	Decachlorobiphenyl		1.324	1.152	13.0	101	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	108	0.00
15	l3	1221-2		0.022	0.019	13.6	94	0.00
16	l3	1221-3		0.014	0.012	14.3	96	0.00
17	l3	1221-4		0.051	0.045	11.8	96	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:12
Operator : pest2:kb
Sample   : cicv2154,42,,pp11619
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1		0.085	0.077	9.4	98	0.00
19	l4	1254-2		0.129	0.105	18.6	87	0.00
20	l4	1254-3		0.141	0.127	9.9	97	0.00
21	l4	1254-4		0.097	0.086	11.3	96	0.00
22	l4	1254-5		0.131	0.112	14.5	92	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	104	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	106	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	107	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.033	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.073	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.148	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.061	0.000	100.0#	0#	-1.99#
8	l1	1016-5		0.067	0.000	100.0#	0#	-2.16#
9	l2	1260-1		0.093	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.141	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.088	0.000	100.0#	0#	-3.15#
12	l2	1260-4		0.195	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.139	0.000	100.0#	0#	-3.45#
24	l6	1242-1		0.023	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.051	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.106	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.046	0.000	100.0#	0#	-1.99#
28	l6	1242-5		0.037	0.000	100.0#	0#	-2.34#
29	l9	1268-1		0.231	0.000	100.0#	0#	-3.47#
30	l9	1268-2		0.207	0.000	100.0#	0#	-3.49#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:12
Operator : pest2:kb
Sample   : cicv2154,42,,pp11619
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
31	l9	1268-3	0.168	0.000	100.0#	0#	-3.59#
32	l9	1268-4	0.078	0.000	100.0#	0#	-3.78#
33	l9	1268-5	0.521	0.000	100.0#	0#	-3.93#
35	l7	1248-1	0.070	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.088	0.000	100.0#	0#	-2.06#
37	l7	1248-3	0.082	0.000	100.0#	0#	-2.16#
38	l7	1248-4	0.074	0.000	100.0#	0#	-2.34#
39	l7	1248-5	0.065	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.033	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.032	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.064	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.027	0.000	100.0#	0#	-1.99#
45	l5	1232-5	0.020	0.000	100.0#	0#	-2.34#
46	l8	1262-1	0.094	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.140	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.107	0.000	100.0#	0#	-3.15#
49	l8	1262-4	0.233	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.068	0.000	100.0#	0#	-3.78#

Signal #2

4	l1	1016-1	0.038	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.083	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.166	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.066	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.053	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.099	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.118	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.097	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.194	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.140	0.000	100.0#	0#	-3.90#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:12
Operator : pest2:kb
Sample   : cicv2154,42,,pp11619
Misc   : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.025	0.000	100.0#	0#	-1.82#
25 l6	1242-2	0.057	0.000	100.0#	0#	-1.99#
26 l6	1242-3	0.114	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.048	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.040	0.000	100.0#	0#	-2.64#
29 l9	1268-1	0.230	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.205	0.000	100.0#	0#	-3.92#
31 l9	1268-3	0.167	0.000	100.0#	0#	-4.06#
32 l9	1268-4	0.076	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.494	0.000	100.0#	0#	-4.40#
35 l7	1248-1	0.079	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.053	0.000	100.0#	0#	-2.34#
37 l7	1248-3	0.071	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.078	0.000	100.0#	0#	-2.64#
39 l7	1248-5	0.092	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.036	0.000	100.0#	0#	-1.82#
42 l5	1232-2	0.038	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.070	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.028	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.023	0.000	100.0#	0#	-2.64#
46 l8	1262-1	0.093	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.124	0.000	100.0#	0#	-3.41#
48 l8	1262-3	0.116	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.211	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.075	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:12
Operator : pest2:kb
Sample : cicv2154,42,,pp11619
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.255	165.1E6	185.4E6	25.000	25.000
14) i	2154_1br2nb	1.189	1.255	165.1E6	185.4E6	25.000	25.000
23) i	4268_1br2nb	1.189	1.255	165.1E6	185.4E6	25.000	25.000
34) i	1248_1br2nb	1.189	1.255	165.1E6	185.4E6	25.000	25.000
40) i	3262_1br2nb	1.189	1.255	165.1E6	185.4E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	177.6E6	216.9E6	14.135M3	13.828M3
	Spiked Amount	20.000	Range 30 - 150		Recovery =	70.67%	69.14%
3) s	Decachlorobi	4.038	4.550	266.9E6	273.4E6	28.638	27.829
	Spiked Amount	20.000	Range 30 - 150		Recovery =	143.19%	139.15%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.533	1.740	28176889	35617815	217.074M4	217.804

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:12
Operator : pest2:kb
Sample : cicv2154,42,,pp11619
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-3	1.591	1.798	17460470	23098657	237.387M3	221.443M3
17) l3	1221-4	1.608	1.825	69123215	84040582	231.861M3	222.098
Sum	1221-2			114.8E6	142.8E6	686.322	661.345
Average	1221-2					228.774	220.448
18) l4	1254-1	2.325	2.665	101.2E6	143.3E6	234.995M3	225.907
19) l4	1254-2	2.438	2.752	208.0E6	194.5E6	238.558M3	202.685
20) l4	1254-3	2.621	2.982	187.0E6	235.5E6	247.394M3	225.104
21) l4	1254-4	2.751	3.092	146.3E6	159.3E6	248.343	222.102M3
22) l4	1254-5	2.973	3.368	193.2E6	206.9E6	231.147	213.472
Sum	1254-1			835.7E6	939.5E6	1200.438	1089.270
Average	1254-1					240.088	217.854
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:12
Operator : pest2:kb
Sample : cicv2154,42,,pp11619
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:12
Operator : pest2:kb
Sample : cicv2154,42,,pp11619
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

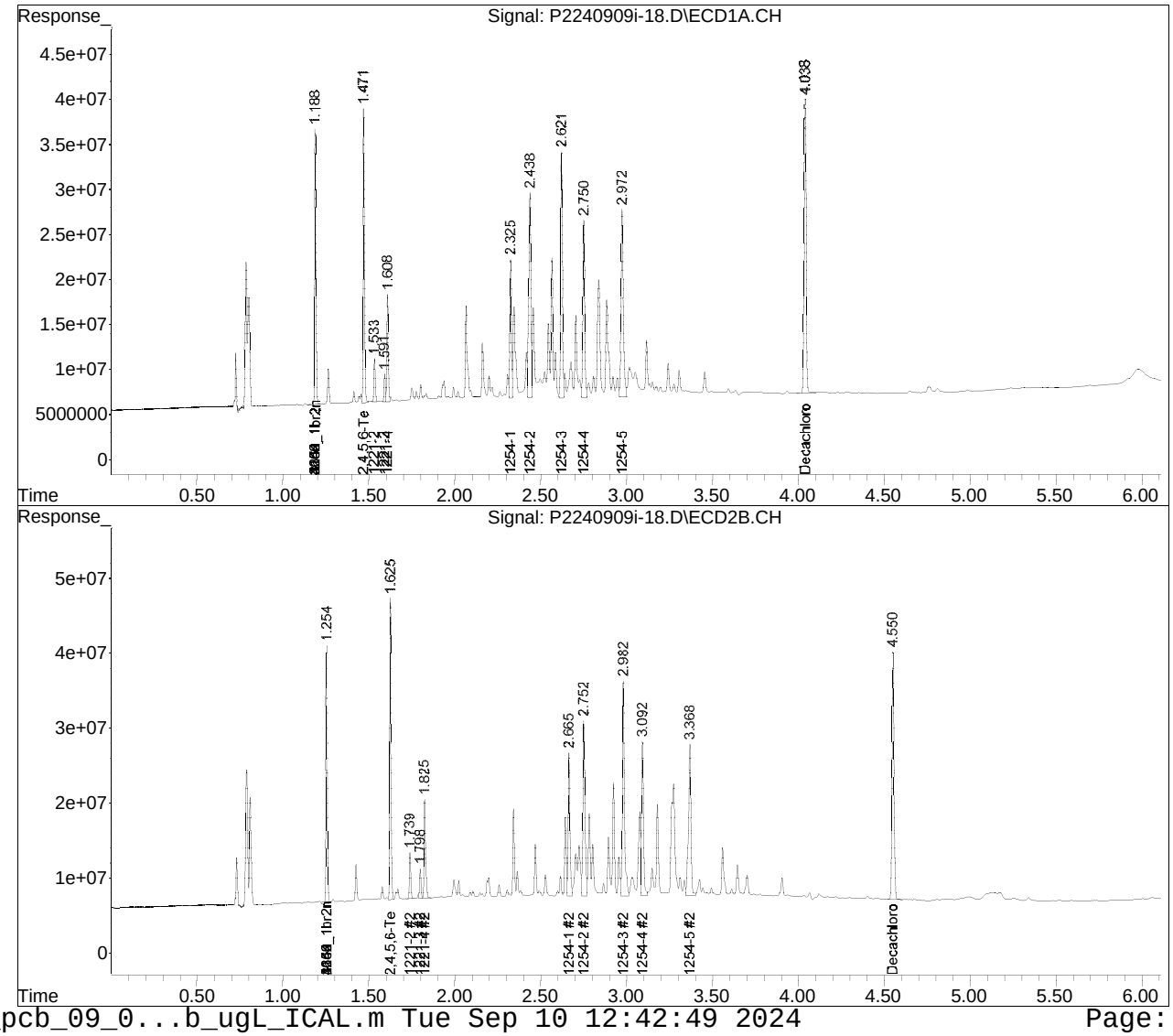
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:12
Operator : pest2:kb
Sample : cicv2154,42,,pp11619
Misc : WG1969792,,ical (Sig #1); ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:08:08 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 11:06:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

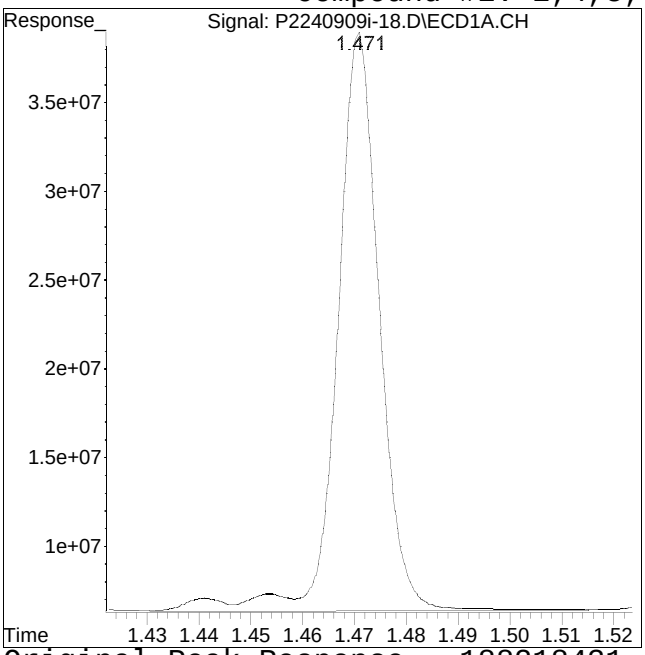
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

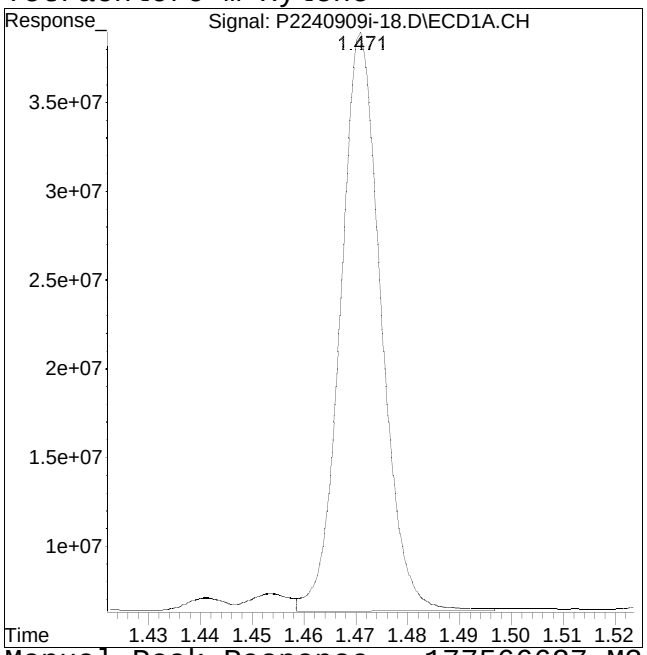


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



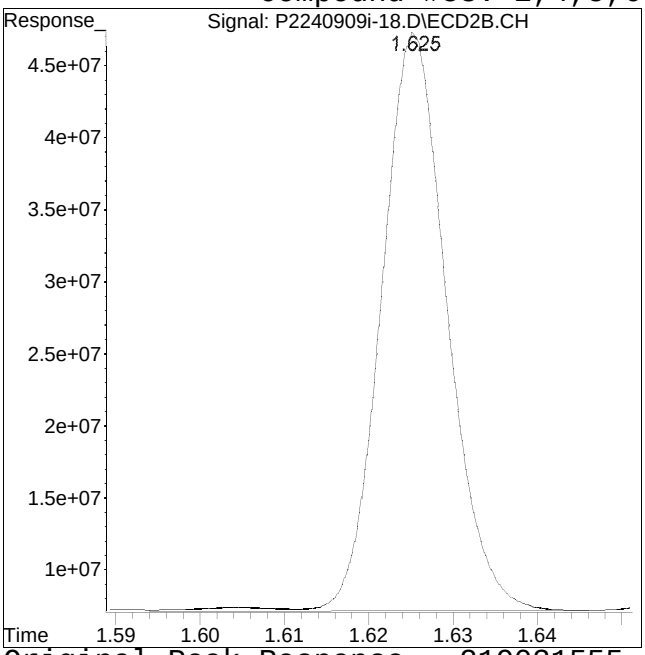


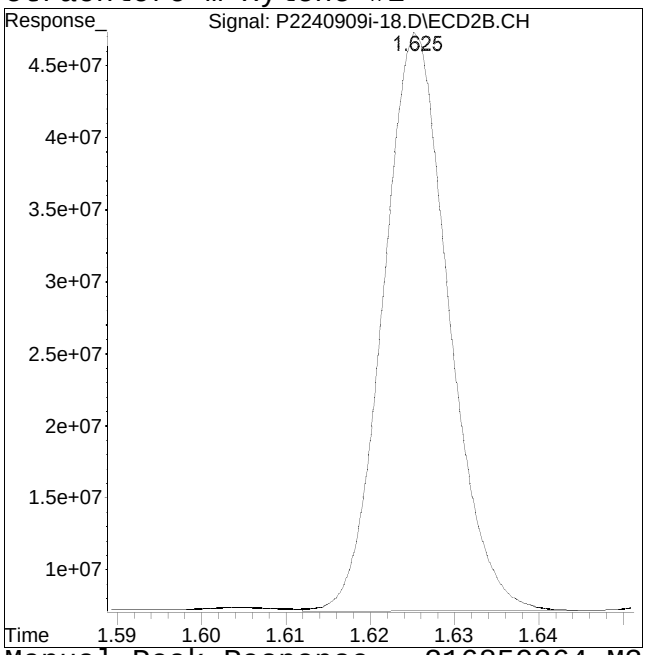
Original Peak Response = 188218431 Manual Peak Response = 177566627 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



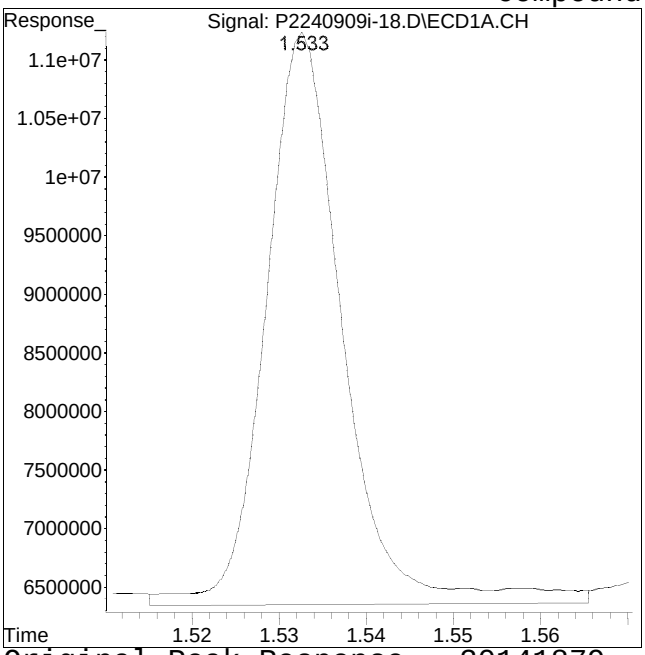


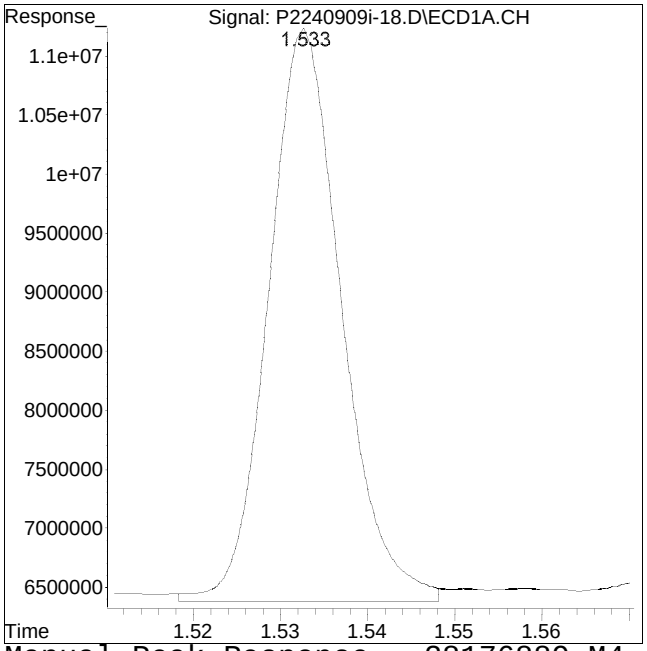
Original Peak Response = 219031555 Manual Peak Response = 216850264 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #15: 1221-2



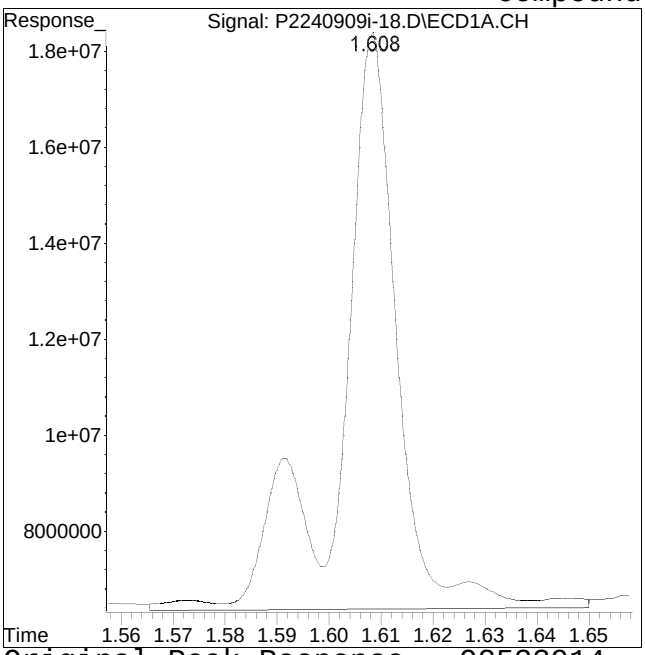


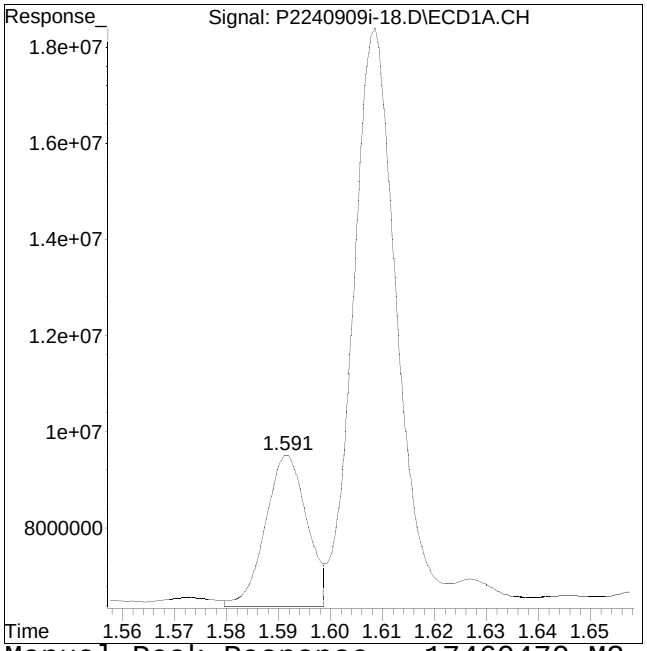
Original Peak Response = 30141879 Manual Peak Response = 28176889 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #16: 1221-3



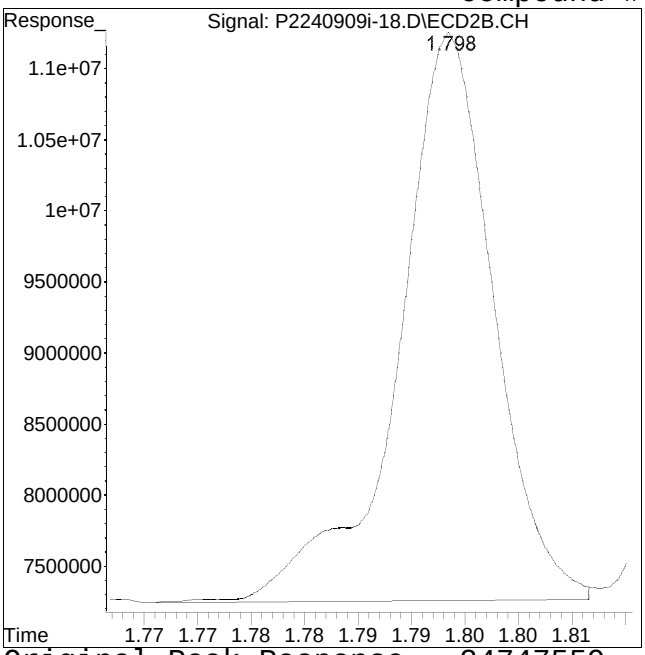


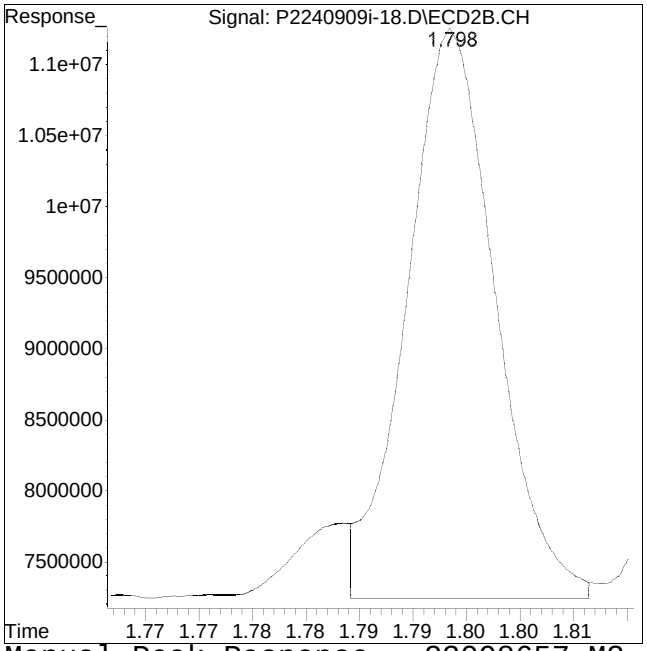
Original Peak Response = 92533914 Manual Peak Response = 17460470 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #67: 1221-3 #2



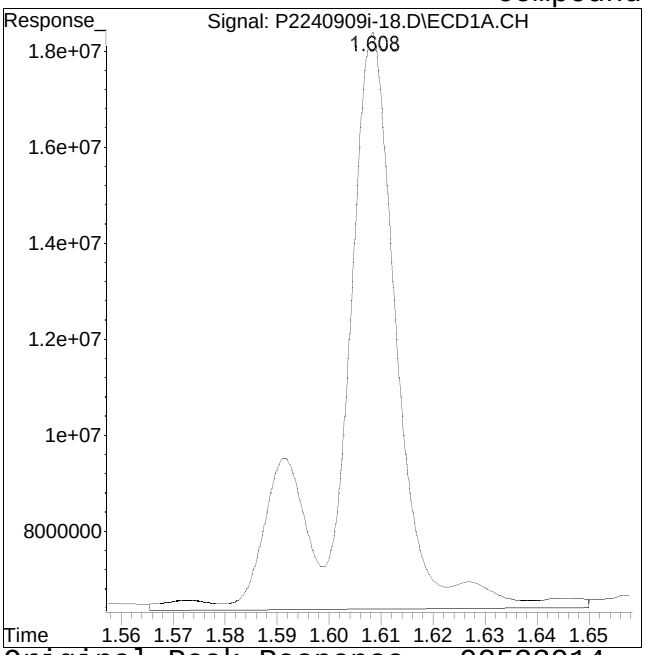


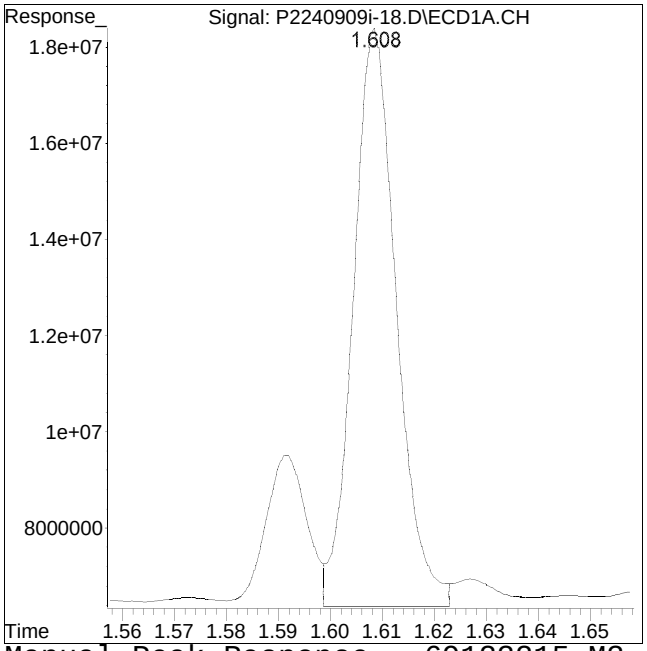
Original Peak Response = 24747559 Manual Peak Response = 23098657 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #17: 1221-4



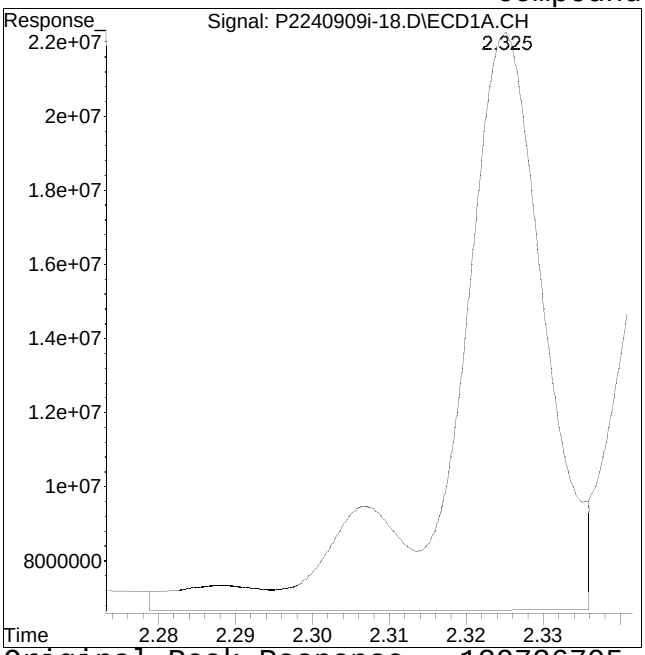


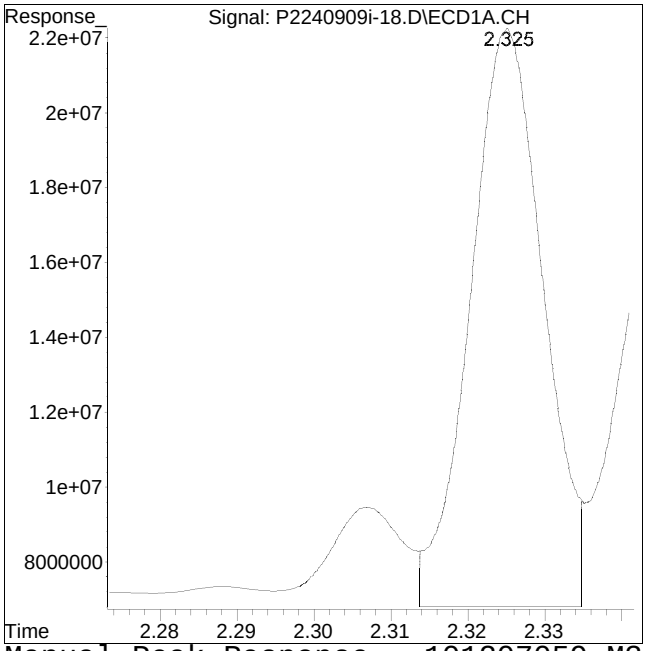
Original Peak Response = 92533914 Manual Peak Response = 69123215 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #18: 1254-1



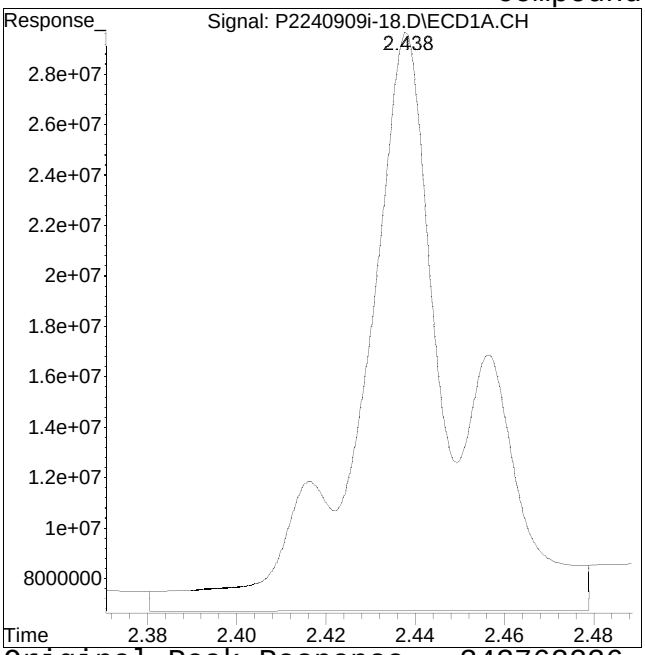


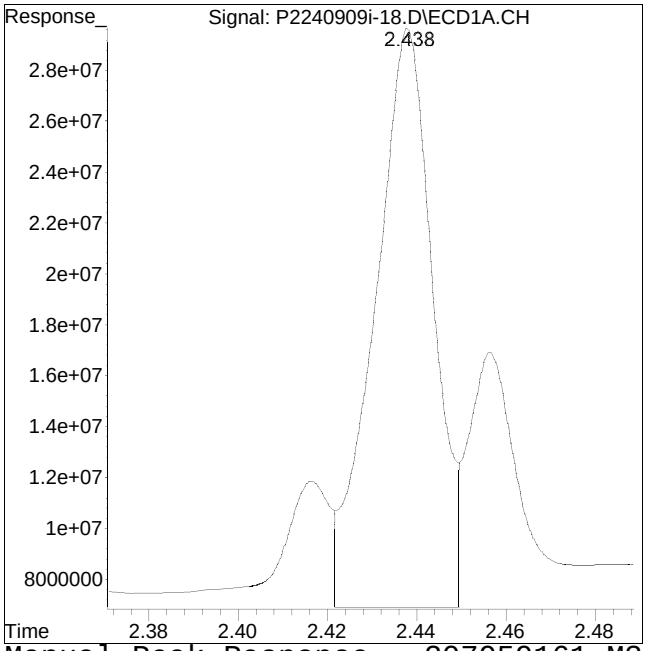
Original Peak Response = 129736705 Manual Peak Response = 101207059 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #19: 1254-2



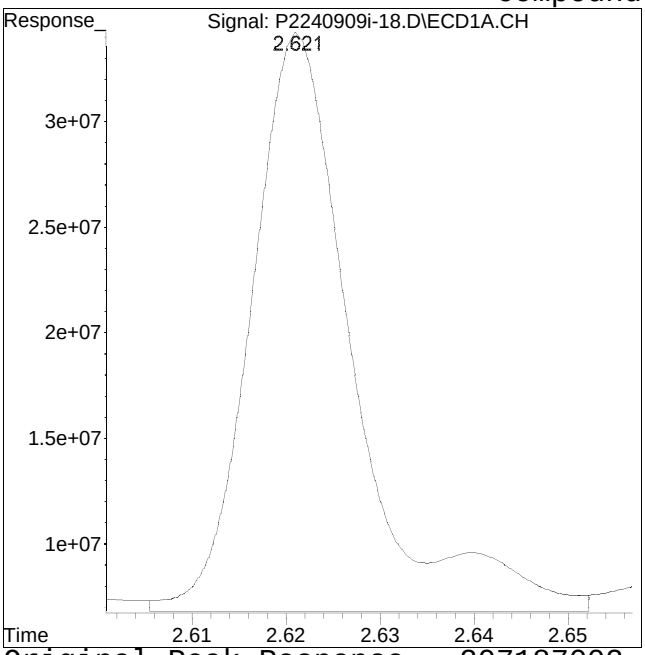


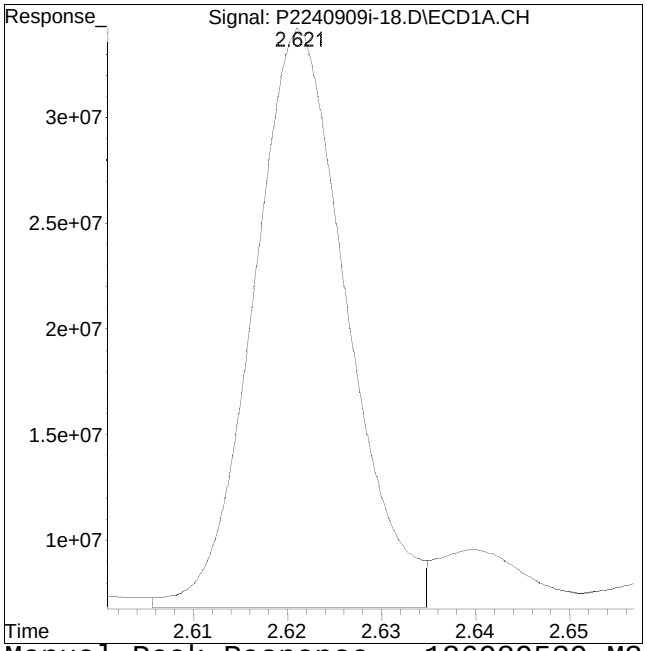
Original Peak Response = 343762236 Manual Peak Response = 207959161 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #20: 1254-3



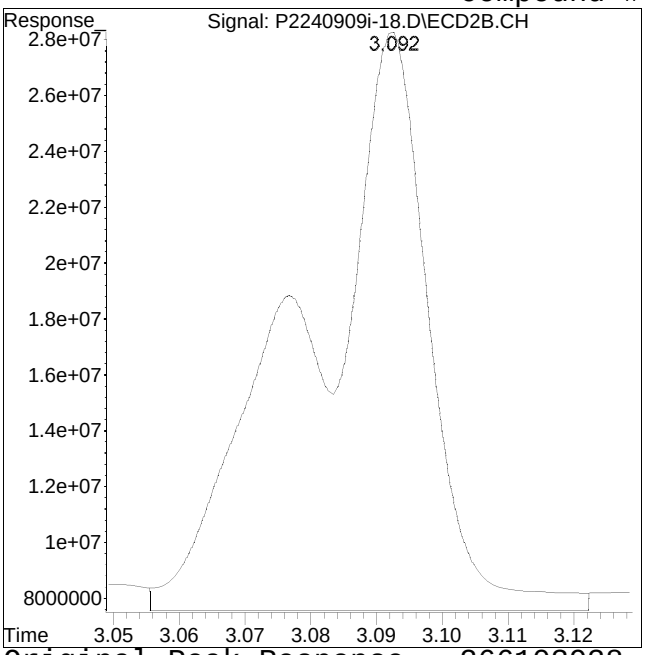


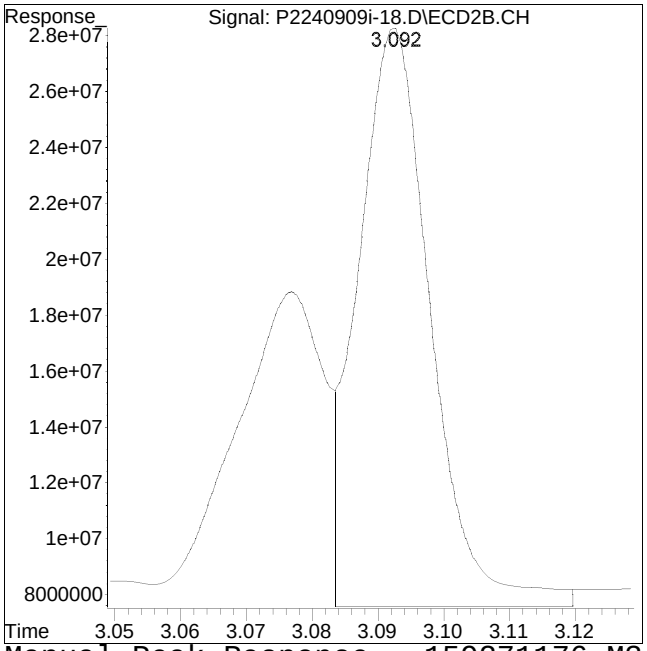
Original Peak Response = 207187002 Manual Peak Response = 186989539 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-18.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:12 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 9/10/2024 11:08 am

Compound #72: 1254-4 #2





Original Peak Response = 266103938 Manual Peak Response = 159271176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:22
Operator : pest2:kb
Sample   : cicv1660,42,,pp11621
Misc   : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	1.657	12.9	90	0.00
3	s	Decachlorobiphenyl		1.411	1.303	7.7	97	0.00
4	l1	1016-1		0.033	0.029	12.1	93	0.00
5	l1	1016-2		0.073	0.071	2.7	100	0.00
6	l1	1016-3		0.148	0.146	1.4	101	0.00
7	l1	1016-4		0.061	0.064	-4.9	102	0.00
8	l1	1016-5		0.067	0.066	1.5	98	0.00
9	l2	1260-1		0.093	0.089	4.3	100	0.00
10	l2	1260-2		0.141	0.143	-1.4	106	0.00
11	l2	1260-3		0.088	0.078	11.4	87	0.00
12	l2	1260-4		0.195	0.166	14.9	88	0.00
13	l2	1260-5		0.139	0.123	11.5	89	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	103	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	105	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		2.114	1.832	13.3	92	0.00
3	s	Decachlorobiphenyl		1.324	1.195	9.7	100	0.00
4	l1	1016-1		0.038	0.035	7.9	96	0.00
5	l1	1016-2		0.083	0.079	4.8	96	0.00
6	l1	1016-3		0.166	0.152	8.4	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:22
Operator : pest2:kb
Sample   : cicv1660,42,,pp11621
Misc   : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
7	l1	1016-4		0.066	0.060	9.1	98	0.00
8	l1	1016-5		0.053	0.048	9.4	94	0.00
9	l2	1260-1		0.099	0.093	6.1	106	0.00
10	l2	1260-2		0.118	0.111	5.9	104	0.00
11	l2	1260-3		0.097	0.083	14.4	91	0.00
12	l2	1260-4		0.194	0.158	18.6	88	0.00
13	l2	1260-5		0.140	0.121	13.6	95	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	103	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	99	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	101	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2		0.020	0.000	100.0#	0#	-1.53#
16	l3	1221-3		0.011	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.045	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.065	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.132	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.114	0.000	100.0#	0#	-2.62#
21	l4	1254-4		0.089	0.000	100.0#	0#	-2.75#
22	l4	1254-5		0.127	0.000	100.0#	0#	-2.97#
24	l6	1242-1		0.023	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.051	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.106	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.046	0.000	100.0#	0#	-1.99#
28	l6	1242-5		0.037	0.000	100.0#	0#	-2.34#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:22
Operator : pest2:kb
Sample   : cicv1660,42,,pp11621
Misc   : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.231	0.000	100.0#	0#	-3.47#
30	l9	1268-2	0.207	0.000	100.0#	0#	-3.49#
31	l9	1268-3	0.168	0.000	100.0#	0#	-3.59#
32	l9	1268-4	0.078	0.000	100.0#	0#	-3.78#
33	l9	1268-5	0.521	0.000	100.0#	0#	-3.93#
35	l7	1248-1	0.070	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.088	0.000	100.0#	0#	-2.06#
37	l7	1248-3	0.082	0.000	100.0#	0#	-2.16#
38	l7	1248-4	0.074	0.000	100.0#	0#	-2.34#
39	l7	1248-5	0.065	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.033	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.032	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.064	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.027	0.000	100.0#	0#	-1.99#
45	l5	1232-5	0.020	0.000	100.0#	0#	-2.34#
46	l8	1262-1	0.094	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.140	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.107	0.000	100.0#	0#	-3.15#
49	l8	1262-4	0.233	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.068	0.000	100.0#	0#	-3.78#

Signal #2

15	l3	1221-2	0.022	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.014	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.051	0.000	100.0#	0#	-1.82#
18	l4	1254-1	0.085	0.000	100.0#	0#	-2.66#
19	l4	1254-2	0.129	0.000	100.0#	0#	-2.75#
20	l4	1254-3	0.141	0.000	100.0#	0#	-2.98#
21	l4	1254-4	0.097	0.000	100.0#	0#	-3.09#
22	l4	1254-5	0.131	0.000	100.0#	0#	-3.37#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 09 Sep 2024 23:22
Operator : pest2:kb
Sample   : cicv1660,42,,pp11621
Misc   : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.025	0.000	100.0#	0#	-1.82#
25 l6	1242-2	0.057	0.000	100.0#	0#	-1.99#
26 l6	1242-3	0.114	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.048	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.040	0.000	100.0#	0#	-2.64#
29 l9	1268-1	0.230	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.205	0.000	100.0#	0#	-3.92#
31 l9	1268-3	0.167	0.000	100.0#	0#	-4.06#
32 l9	1268-4	0.076	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.494	0.000	100.0#	0#	-4.40#
35 l7	1248-1	0.079	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.053	0.000	100.0#	0#	-2.34#
37 l7	1248-3	0.071	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.078	0.000	100.0#	0#	-2.64#
39 l7	1248-5	0.092	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.036	0.000	100.0#	0#	-1.82#
42 l5	1232-2	0.038	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.070	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.028	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.023	0.000	100.0#	0#	-2.64#
46 l8	1262-1	0.093	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.124	0.000	100.0#	0#	-3.41#
48 l8	1262-3	0.116	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.211	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.075	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:22
Operator : pest2:kb
Sample : cicv1660,42,,pp11621
Misc : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.254	161.6E6	177.5E6	25.000	25.000M4
14) i	2154_1br2nb	1.189	1.254	161.6E6	177.5E6	25.000	25.000M4
23) i	4268_1br2nb	1.189	1.254	161.6E6	177.5E6	25.000	25.000M4
34) i	1248_1br2nb	1.189	1.254	161.6E6	177.5E6	25.000	25.000M4
40) i	3262_1br2nb	1.189	1.254	161.6E6	177.5E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.471	1.625	171.4E6	208.1E6	13.941M3	13.861M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	69.71%	69.31%
3) s	Decachlorobi	4.038	4.551	269.6E6	271.5E6	29.562	28.874
	Spiked Amount	20.000	Range 30 - 150		Recovery =	147.81%	144.37%
	Target Compounds						
4) l1	1016-1	1.608	1.825	46479159	61880053	216.176M3	230.935
5) l1	1016-2	1.749	1.996	114.8E6	139.4E6	243.198M4	236.964
6) l1	1016-3	1.937	2.197	236.4E6	270.6E6	247.182	230.109
7) l1	1016-4	1.992	2.257	103.0E6	107.1E6	259.952	229.155
8) l1	1016-5	2.162	2.468	107.3E6	84983822	248.736	226.805
	Sum 1016-1			608.0E6	663.9E6	1215.245	1153.968
	Average 1016-1					243.049	230.794
9) l2	1260-1	2.704	3.077	144.6E6	165.7E6	239.402M4	235.819M4
10) l2	1260-2	2.834	3.179	230.8E6	196.5E6	252.860M4	234.782M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:22
Operator : pest2:kb
Sample : cicv1660,42,,pp11621
Misc : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.150	3.571	125.4E6	146.5E6	221.449M4	213.492M4
12) l2	1260-4	3.305	3.700	268.2E6	280.2E6	212.550M4	203.584M4
13) l2	1260-5	3.454	3.902	198.9E6	215.1E6	222.130M1	216.142M4
Sum	1260-1			967.9E6	1004.0E6	1148.391	1103.818
Average	1260-1					229.678	220.764
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:22
Operator : pest2:kb
Sample : cicv1660,42,,pp11621
Misc : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:22
Operator : pest2:kb
Sample : cicv1660,42,,pp11621
Misc : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

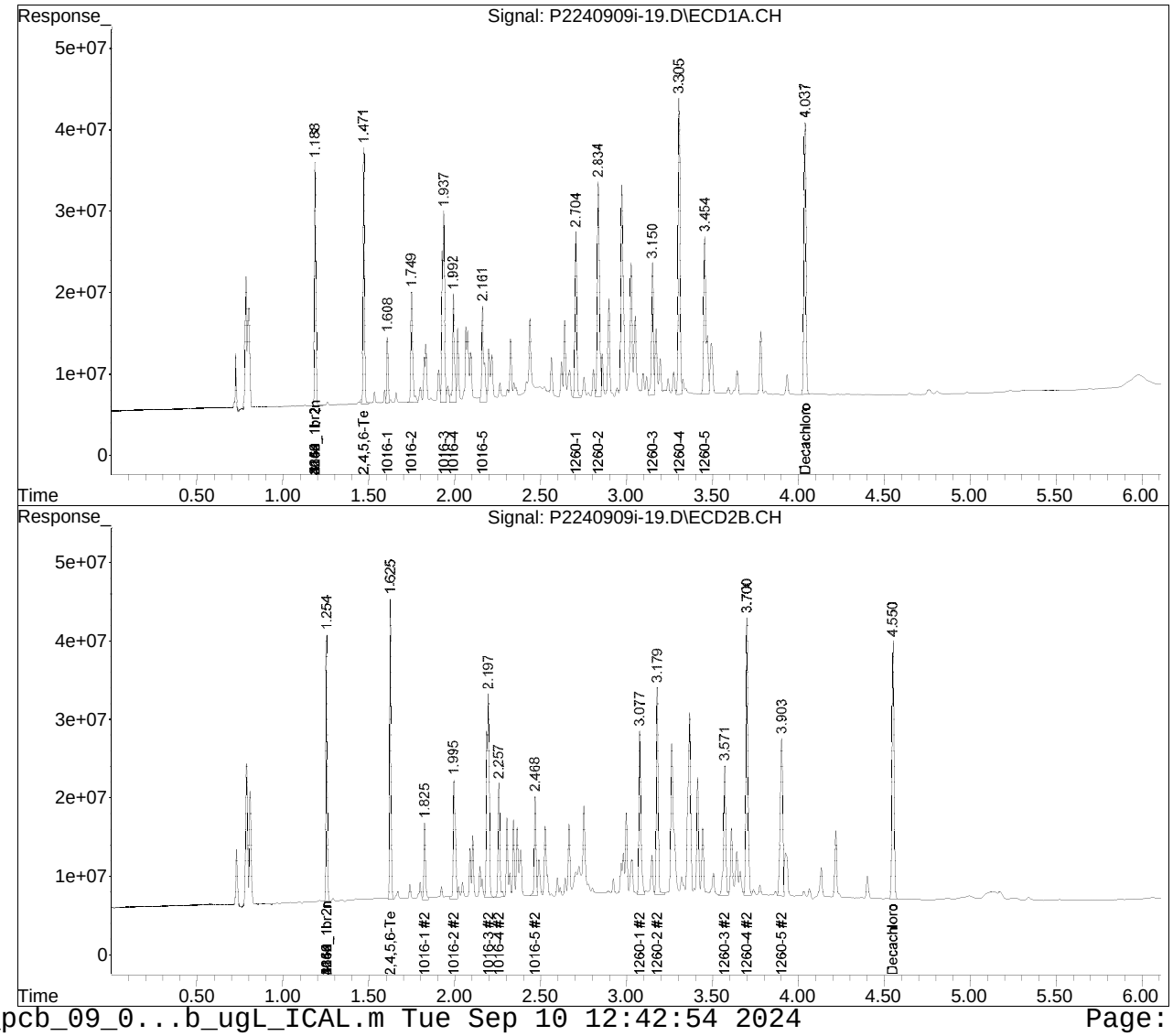
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240909i\
Data File : P2240909i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Sep 2024 23:22
Operator : pest2:kb
Sample : cicv1660,42,,pp11621
Misc : WG1969792,,ical
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 12:24:01 2024
Quant Method : I:\PCB\Pest2\2024\240909i\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:14 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

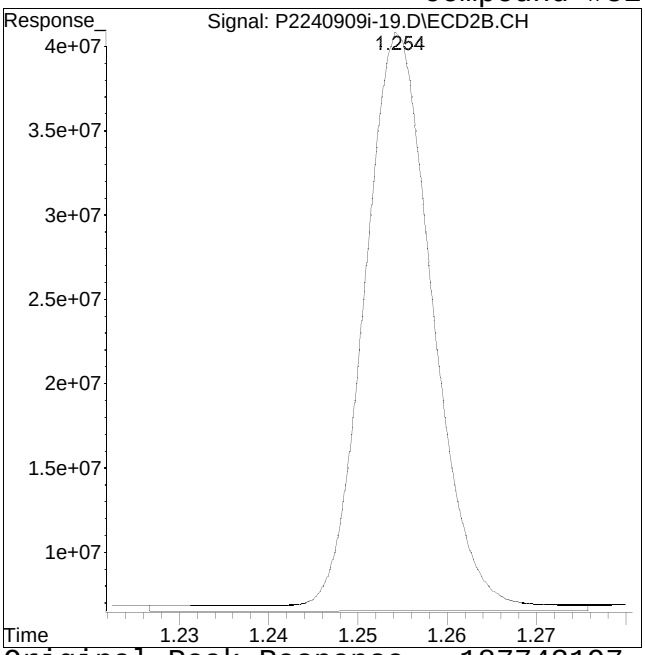
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



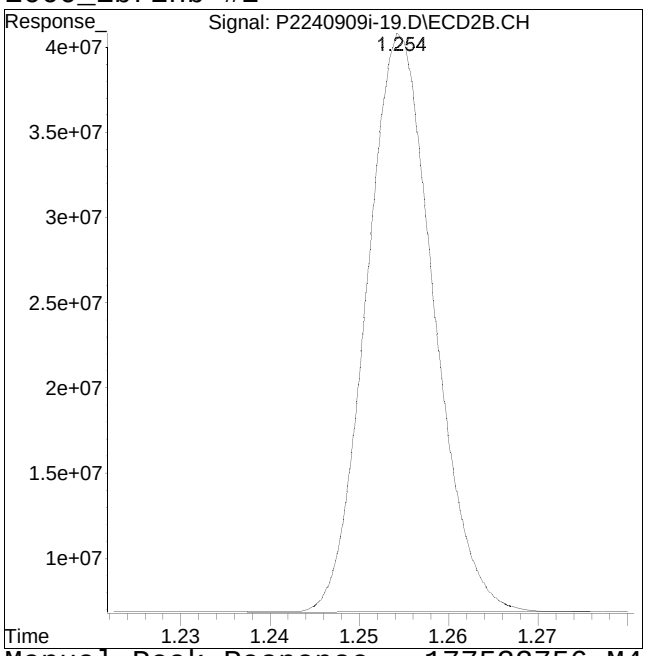
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 187743197



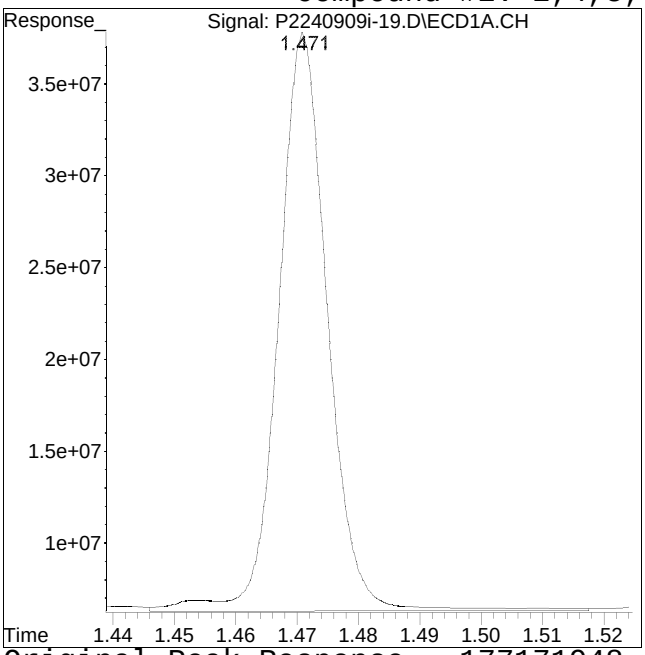
Manual Peak Response = 177533756 M4

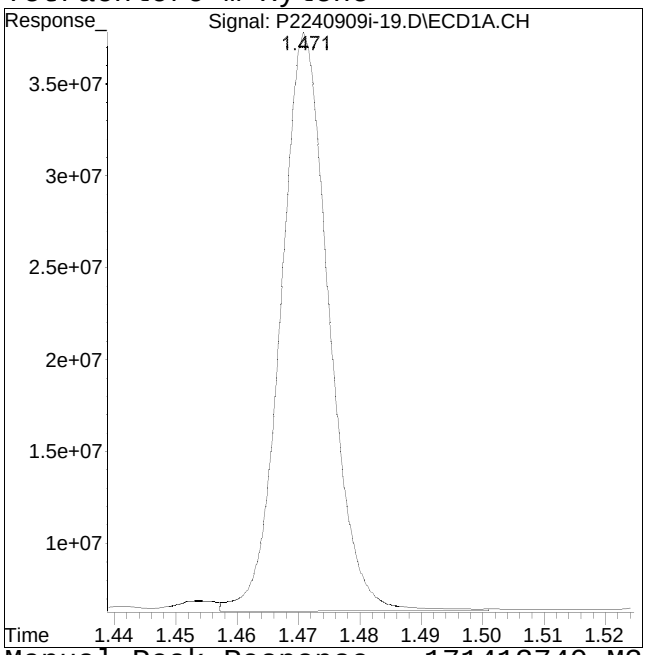
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



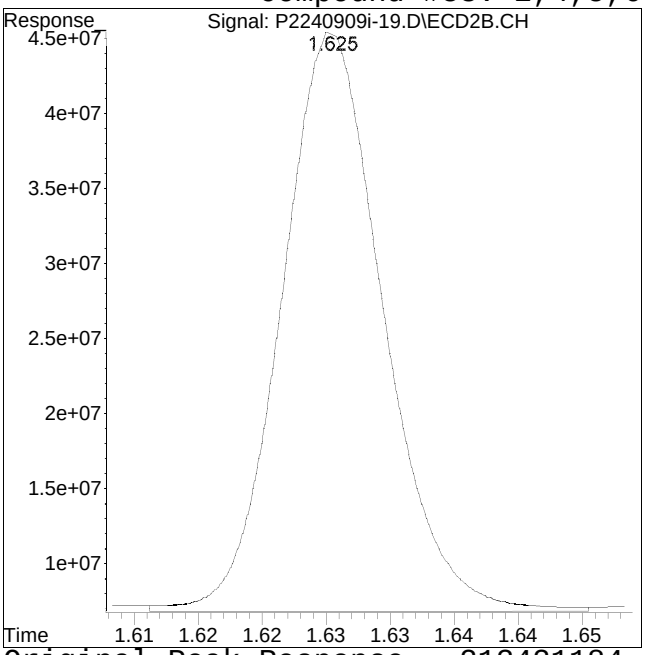


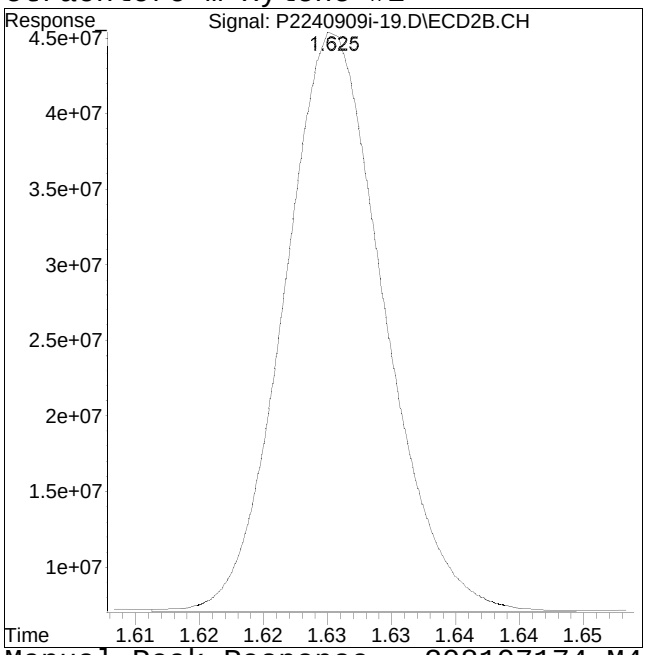
Original Peak Response = 177171948 Manual Peak Response = 171413740 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



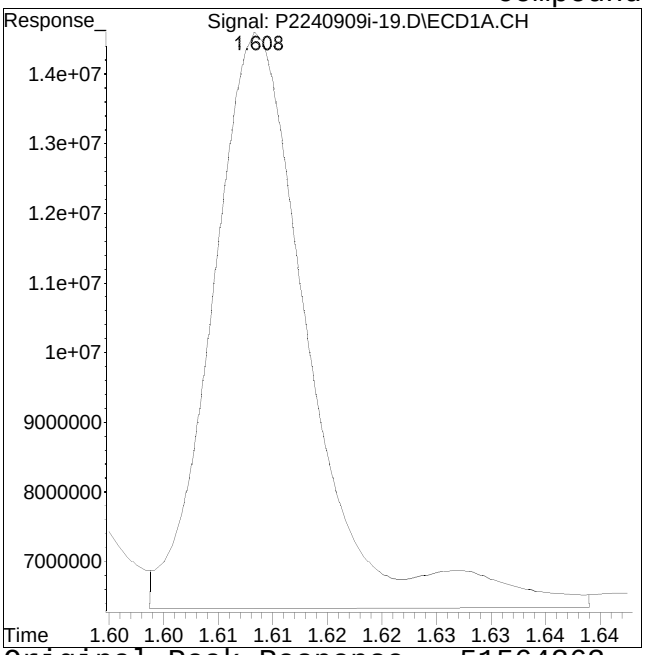


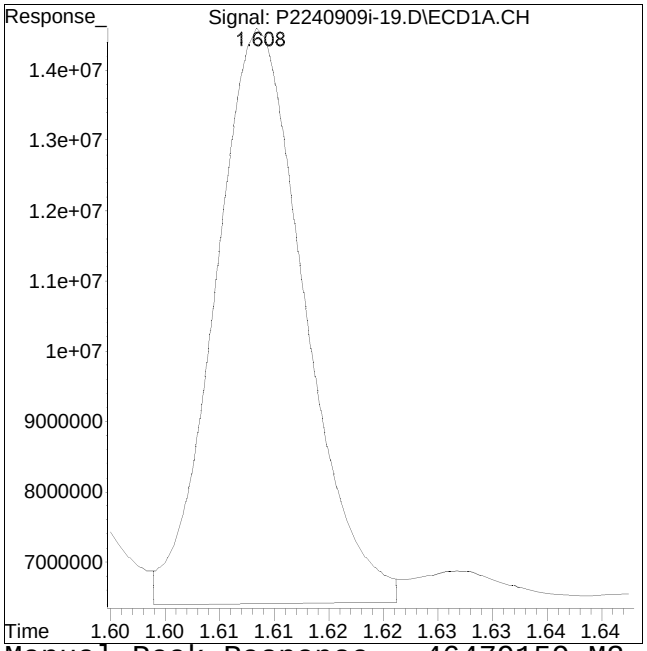
Original Peak Response = 213421184 Manual Peak Response = 208107174 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #4: 1016-1



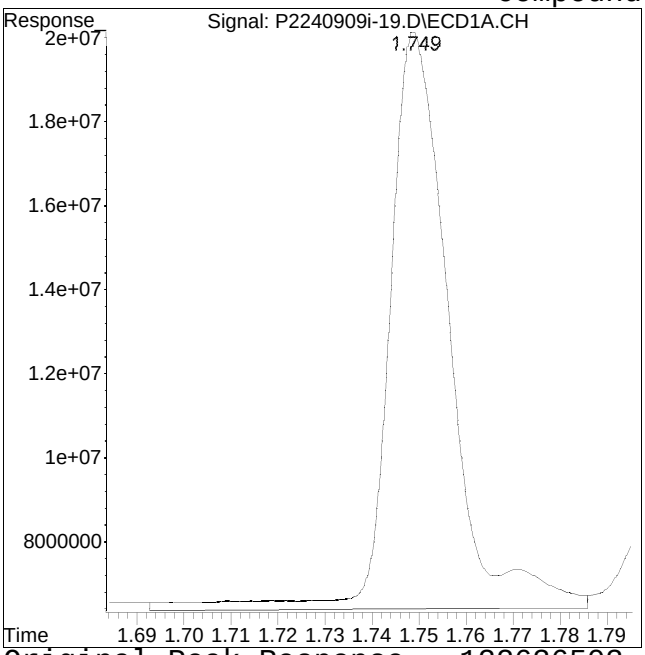


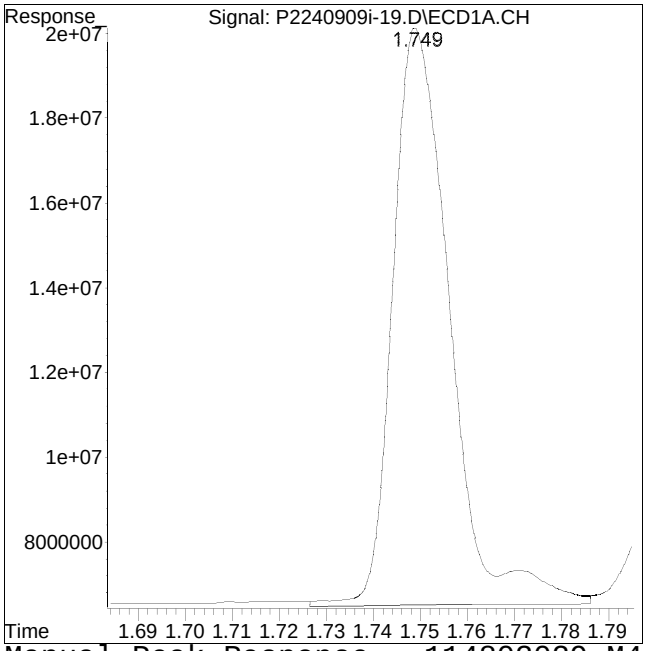
Original Peak Response = 51564263 Manual Peak Response = 46479159 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #5: 1016-2



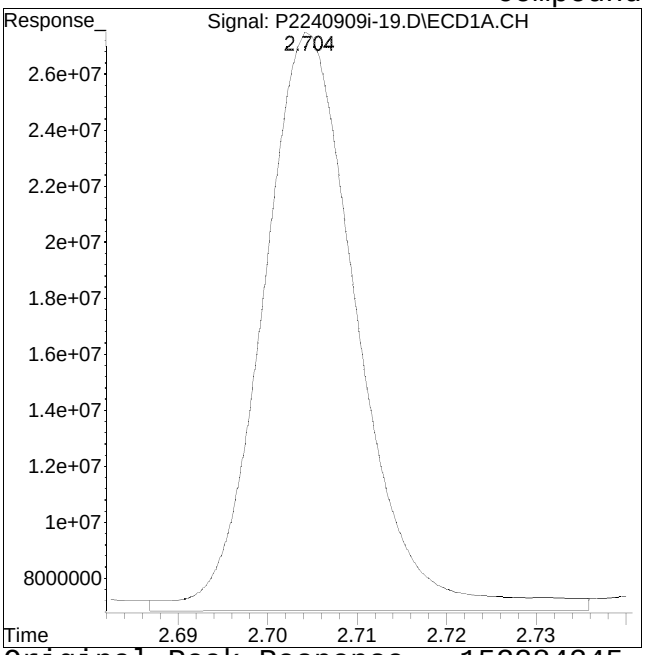


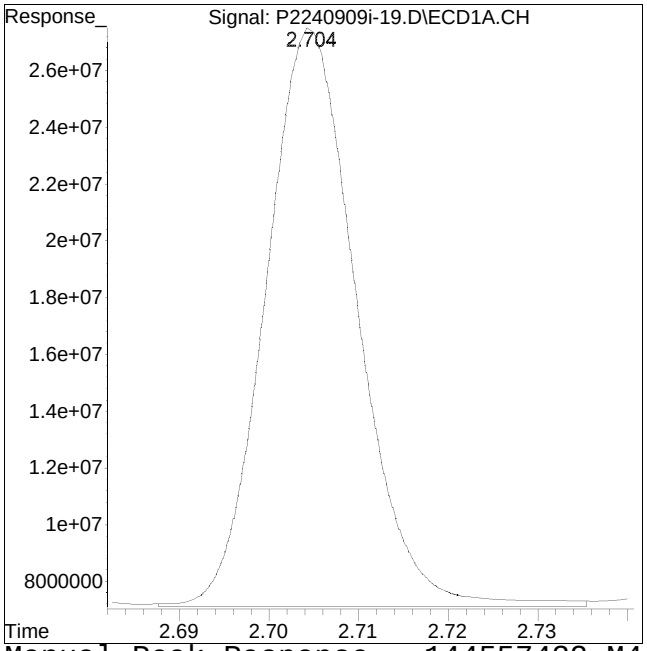
Original Peak Response = 122636503 Manual Peak Response = 114803029 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #9: 1260-1



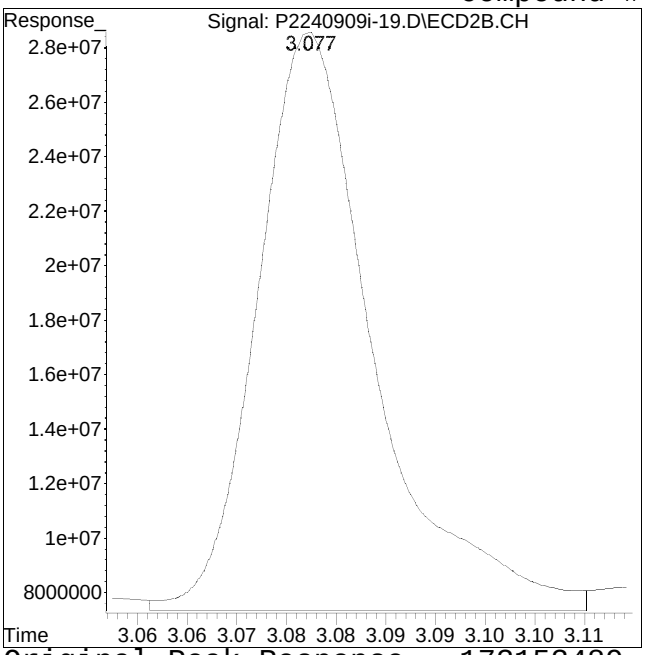


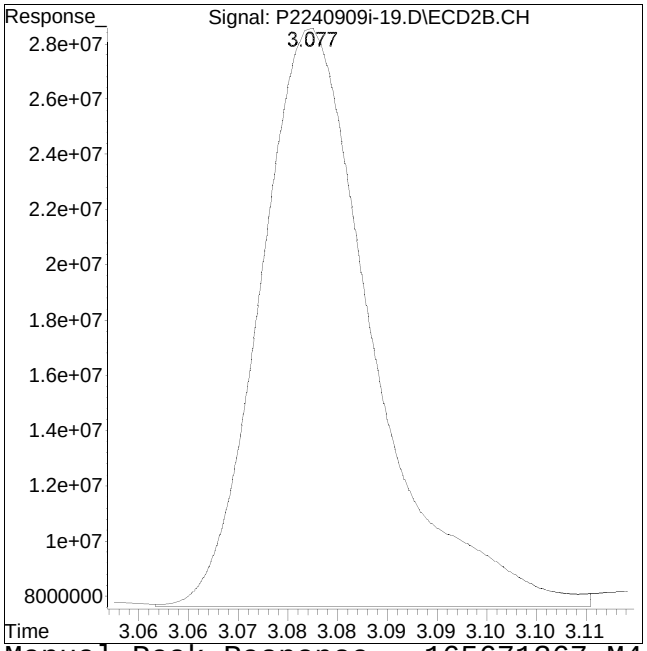
Original Peak Response = 152284345 Manual Peak Response = 144557432 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #60: 1260-1 #2



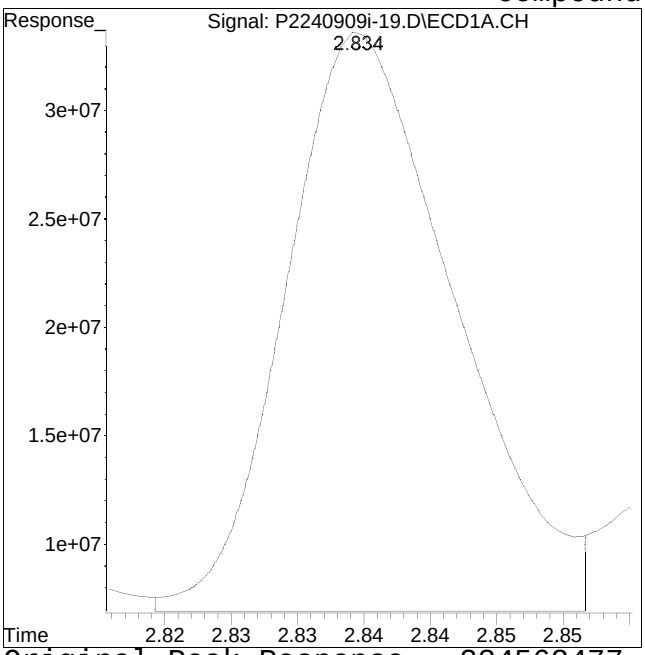


Original Peak Response = 173153489 Manual Peak Response = 165671367 M4
M4 = Poor automated baseline construction.

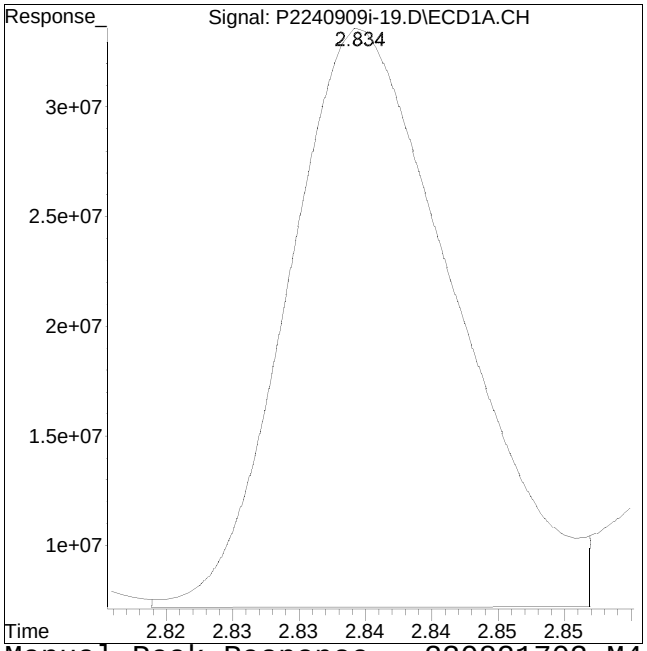
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #10: 1260-2



Original Peak Response = 234562477



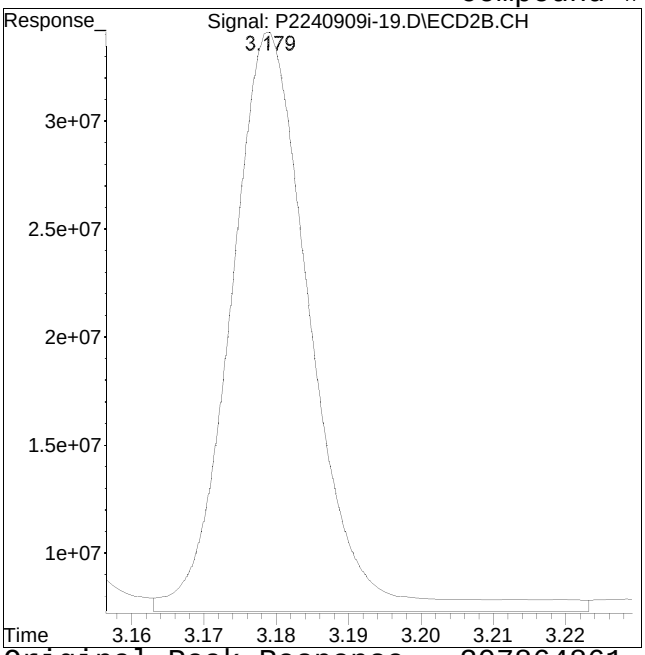
Manual Peak Response = 230821703 M4

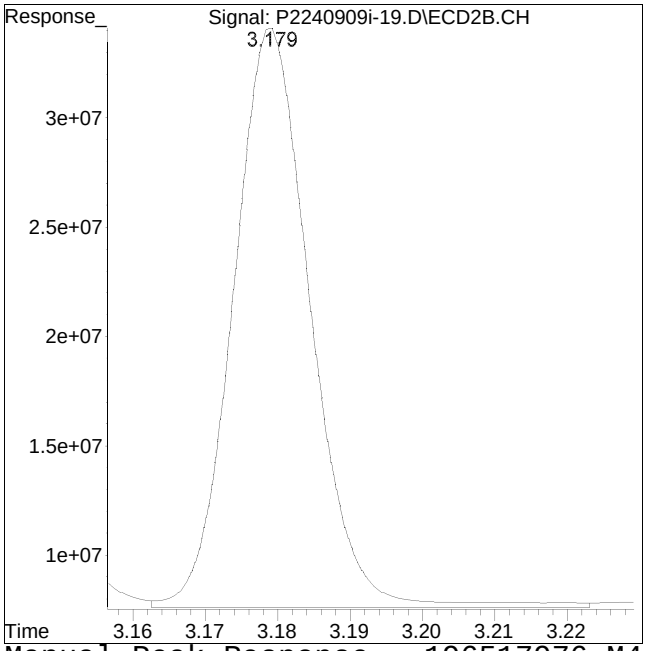
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #61: 1260-2 #2



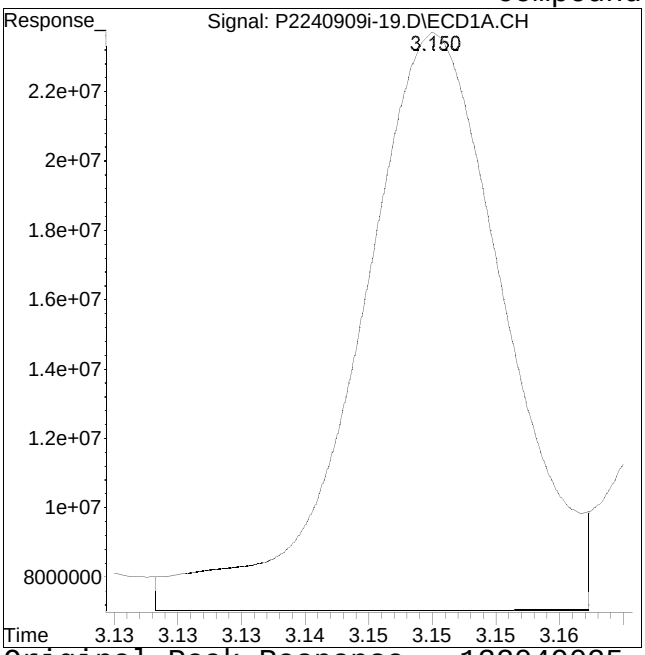


Original Peak Response = 207864861 Manual Peak Response = 196517976 M4
M4 = Poor automated baseline construction.

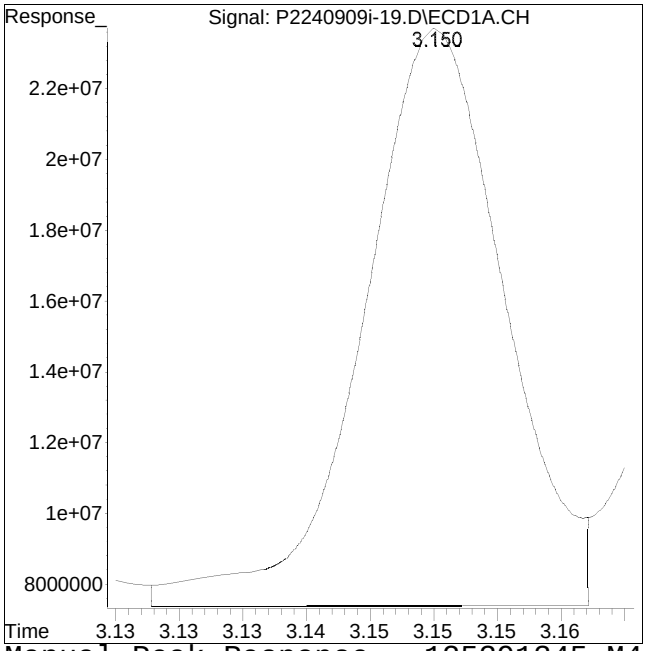
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #11: 1260-3



Original Peak Response = 132049025



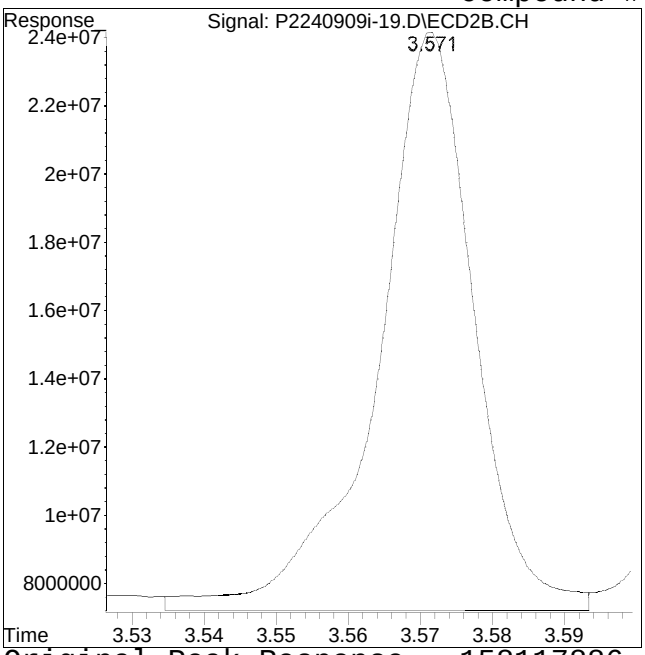
Manual Peak Response = 125391345 M4

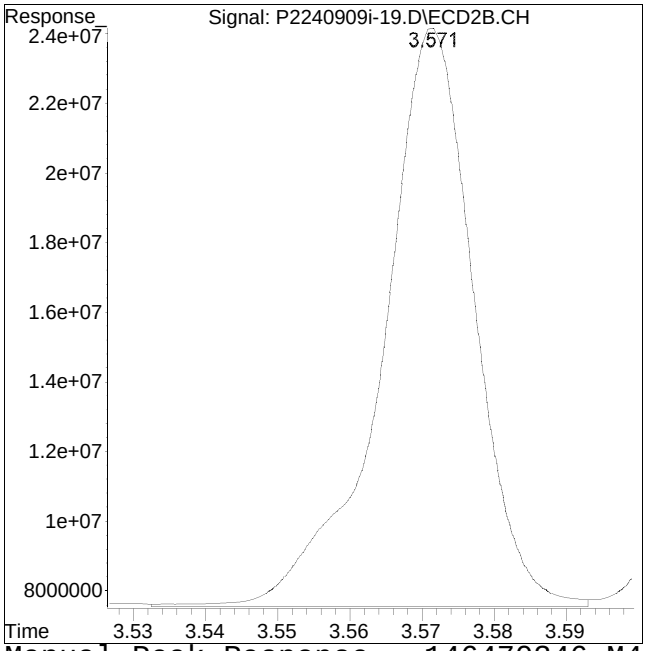
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #62: 1260-3 #2



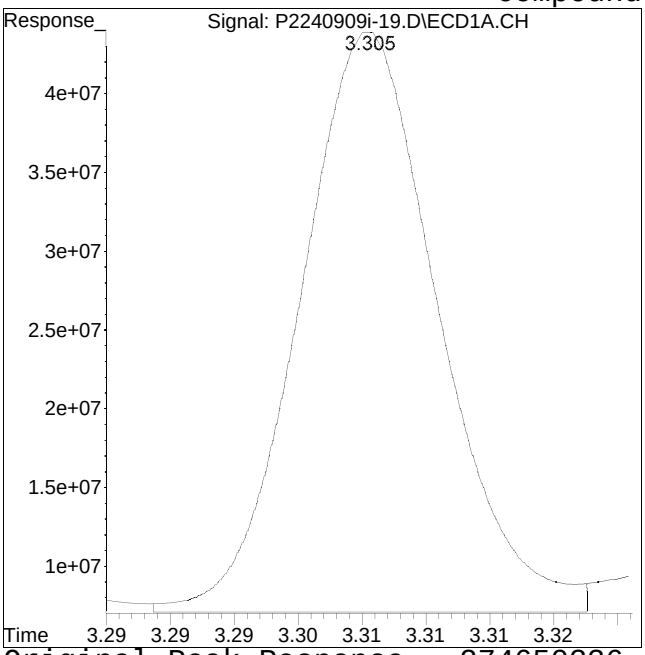


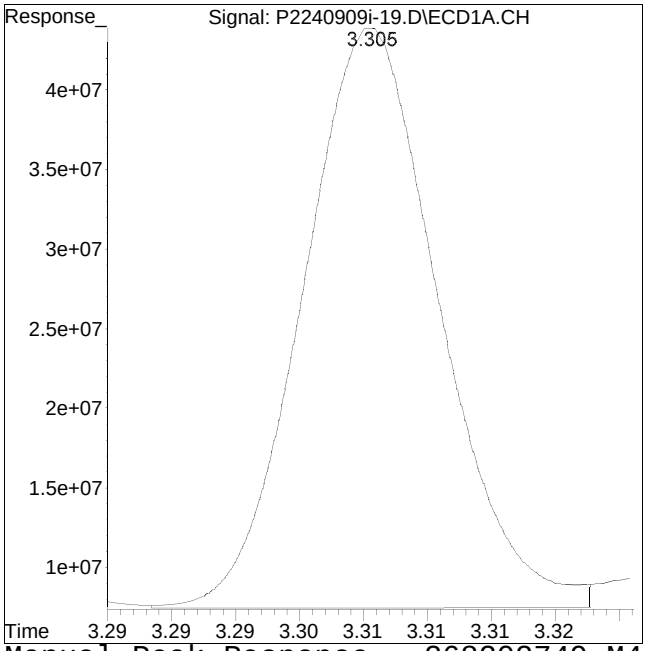
Original Peak Response = 158117886 Manual Peak Response = 146470346 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #12: 1260-4



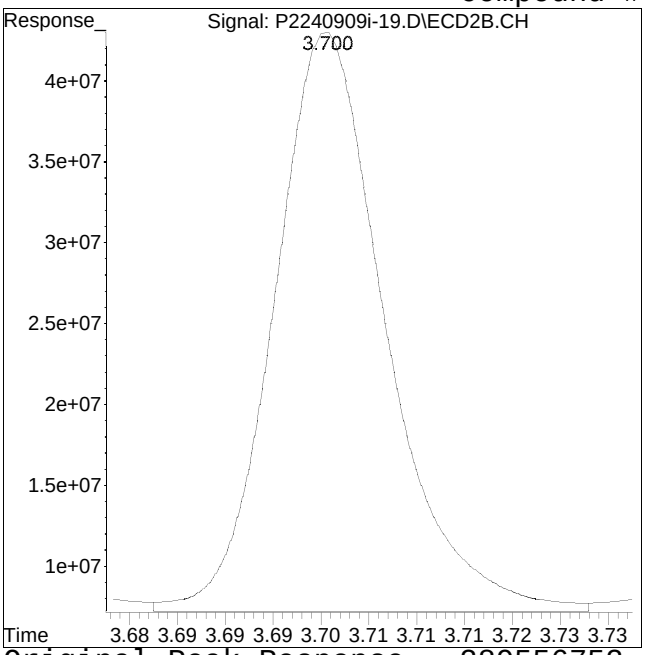


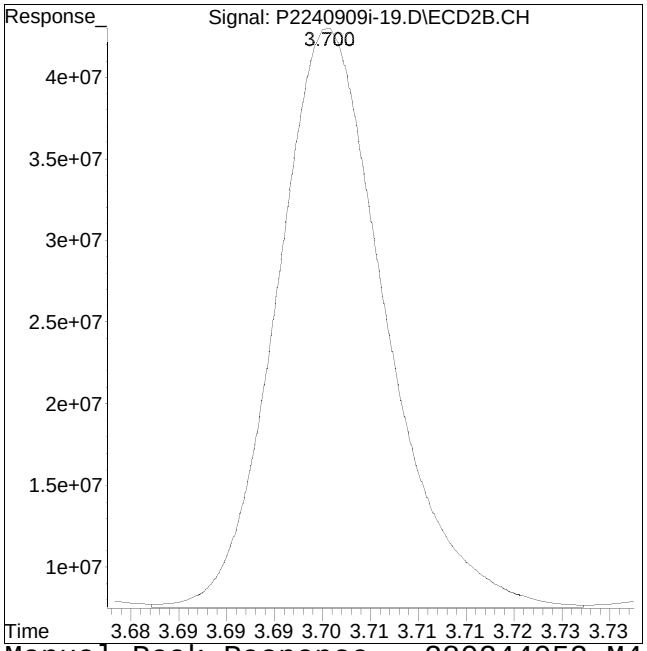
Original Peak Response = 274650336 Manual Peak Response = 268202749 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #63: 1260-4 #2



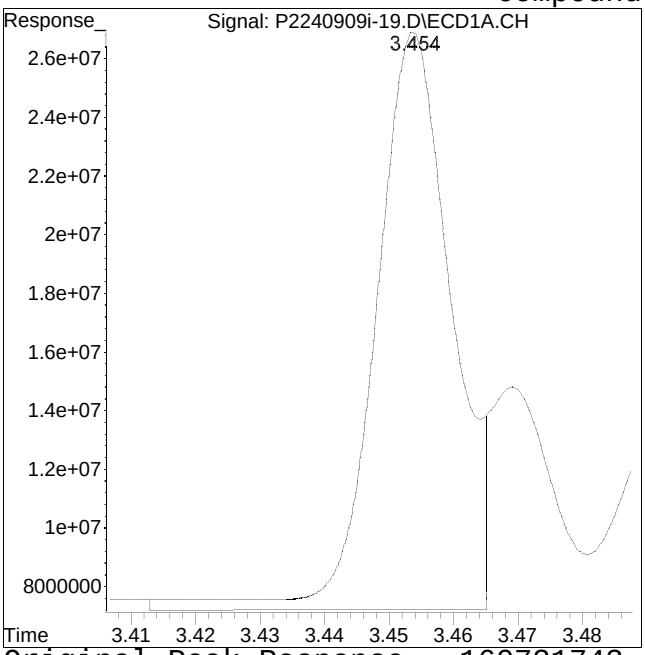


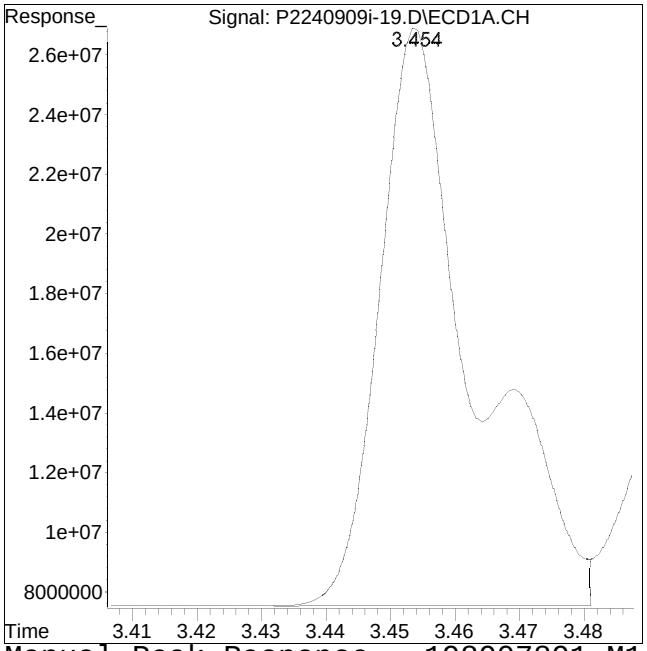
Original Peak Response = 289556752 Manual Peak Response = 280244052 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #13: 1260-5



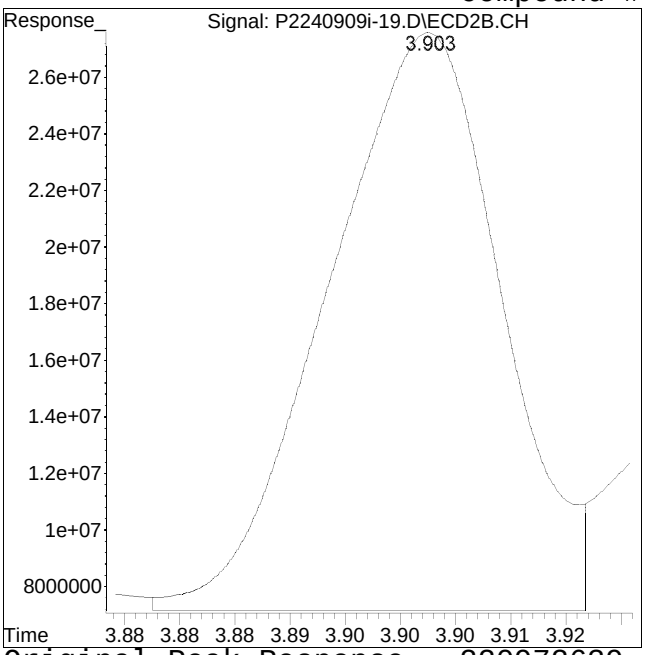


Original Peak Response = 160731743 Manual Peak Response = 198907891 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

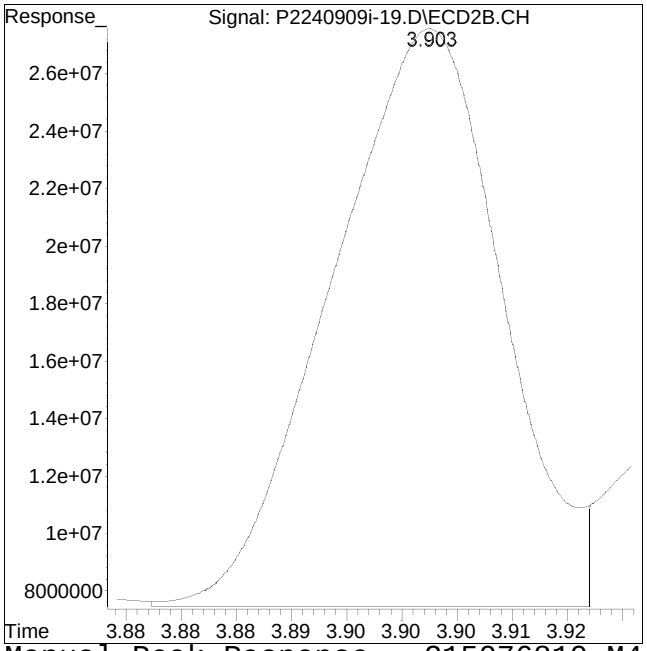
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240909i\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240909i-19.D Operator : pest2:kb
Date Inj'd : 9/9/2024 23:22 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 9/10/2024 12:24 pm

Compound #64: 1260-5 #2



Original Peak Response = 220972639



Manual Peak Response = 215076810 M4

M4 = Poor automated baseline construction.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST2		**Calibration Date**	: 09/11/24 09:10	
Lab File ID	: P2240911a-07		**Init. Calib. Date(s)**	: 09/09/24	09/09/24
Sample No	: WG1970214-1		**Init. Calib. Times**	: 21:01	22:35
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	104	0
2,4,5,6-Tetrachloro-m-xylen	1.902	1.748	-	8.1	20	99	0
Decachlorobiphenyl	1.411	1.298	-	8	20	100	-.01
1016-1	0.033	0.03	-	9.1	20	101	0
1016-2	0.073	0.072	-	1.4	20	106	0
1016-3	0.148	0.152	-	-2.7	20	109	0
1016-4	0.061	0.063	-	-3.3	20	104	0
1016-5	0.067	0.06	-	10.4	20	92	0
1260-1	0.093	0.093	-	0	20	107	0
1260-2	0.141	0.147	-	-4.3	20	112	0
1260-3	0.088	0.075	-	14.8	20	88	-.01
1260-4	0.195	0.165	-	15.4	20	90	-.01
1260-5	0.139	0.123	-	11.5	20	92	-.01

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST2		**Calibration Date**	: 09/11/24 09:10	
Lab File ID	: P2240911a-07		**Init. Calib. Date(s)**	: 09/09/24	09/09/24
Sample No	: WG1970214-1		**Init. Calib. Times**	: 21:01	22:35
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	88	0
2,4,5,6-Tetrachloro-m-xylen	2.114	2.315	-	-9.5	20	102	0
Decachlorobiphenyl #2	1.324	1.569	-	-18.5	20	115	0
1016-1 #2	0.038	0.04	-	-5.3	20	96	0
1016-2 #2	0.083	0.095	-	-14.5	20	101	0
1016-3 #2	0.166	0.182	-	-9.6	20	105	0
1016-4 #2	0.066	0.075	-	-13.6	20	107	0
1016-5 #2	0.053	0.057	-	-7.5	20	98	0
1260-1 #2	0.099	0.116	-	-17.2	20	115	0
1260-2 #2	0.118	0.136	-	-15.3	20	111	0
1260-3 #2	0.097	0.099	-	-2.1	20	96	0
1260-4 #2	0.194	0.2	-	-3.1	20	97	0
1260-5 #2	0.14	0.149	-	-6.4	20	102	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 9:10
Operator : pest2:sdc
Sample : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2 ... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	104	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.902	1.748	8.1	99	0.00
3	s	Decachlorobiphenyl		1.411	1.298	8.0	100	-0.01
4	l1	1016-1		0.033	0.030	9.1	101	0.00
5	l1	1016-2		0.073	0.072	1.4	106	0.00
6	l1	1016-3		0.148	0.152	-2.7	109	0.00
7	l1	1016-4		0.061	0.063	-3.3	104	0.00
8	l1	1016-5		0.067	0.060	10.4	92	0.00
9	l2	1260-1		0.093	0.093	0.0	107	0.00
10	l2	1260-2		0.141	0.147	-4.3	112	0.00
11	l2	1260-3		0.088	0.075	14.8	88	-0.01
12	l2	1260-4		0.195	0.165	15.4	90	-0.01
13	l2	1260-5		0.139	0.123	11.5	92	-0.01
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	88	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		2.114	2.315	-9.5	102	0.00
54	s	Decachlorobiphenyl #2		1.324	1.569	-18.5	115	0.00
55	l1	1016-1 #2		0.038	0.040	-5.3	96	0.00
56	l1	1016-2 #2		0.083	0.095	-14.5	101	0.00
57	l1	1016-3 #2		0.166	0.182	-9.6	105	0.00
58	l1	1016-4 #2		0.066	0.075	-13.6	107	0.00
59	l1	1016-5 #2		0.053	0.057	-7.5	98	0.00
60	l2	1260-1 #2		0.099	0.116	-17.2	115	0.00
61	l2	1260-2 #2		0.118	0.136	-15.3	111	0.00
62	l2	1260-3 #2		0.097	0.099	-2.1	96	0.00
63	l2	1260-4 #2		0.194	0.200	-3.1	97	0.00
64	l2	1260-5 #2		0.140	0.149	-6.4	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Sep 2024   9:10
Operator : pest2:sdc
Sample   : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv,,,pp 11621 (Sig #2)
Misc   : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL21477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 9:10
Operator : pest2:sdc
Sample : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2 ... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.187	1.253	166.9E6	155.0E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.468	1.624	186.8E6	229.6E6	14.707M4	17.520M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		73.54%	87.60%
3) s	Decachlorobi	4.025	4.545	277.3E6	311.3E6	29.430	37.918
	Spiked Amount 20.000	Range 30 - 150		Recovery =		147.15%	189.59%#
	Target Compounds						
4) l1	1016-1	1.605	1.823	50839758	61713938	228.919M4	263.823M4
5) l1	1016-2	1.745	1.993	120.9E6	146.9E6	247.874M4	285.932M4
6) l1	1016-3	1.932	2.194	253.3E6	282.3E6	256.368M4	275.043M4
7) l1	1016-4	1.986	2.254	105.4E6	116.5E6	257.518M4	285.587M4
8) l1	1016-5	2.156	2.465	100.7E6	88772483	225.921M4	271.385M4
	Sum 1016-1			631.1E6	696.2E6	1216.599	1381.770
	Average 1016-1					243.320	276.354
9) l2	1260-1	2.697	3.074	154.7E6	179.2E6	248.041	292.231M4
10) l2	1260-2	2.826	3.175	245.8E6	210.4E6	260.724	287.962M4
11) l2	1260-3	3.139	3.567	125.7E6	153.8E6	214.881M4	256.751M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 9:10
Operator : pest2:sdc
Sample : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2 ... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12) l2 1260-4	3.295	3.696	275.6E6	309.2E6	211.451M4	257.334M4
13) l2 1260-5	3.442	3.897	204.7E6	230.7E6	221.346M1	265.548M4
Sum 1260-1			1006.6E6	1083.3E6	1156.443	1359.825
Average 1260-1					231.289	271.965
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 9:10
Operator : pest2:sdc
Sample : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2 ... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

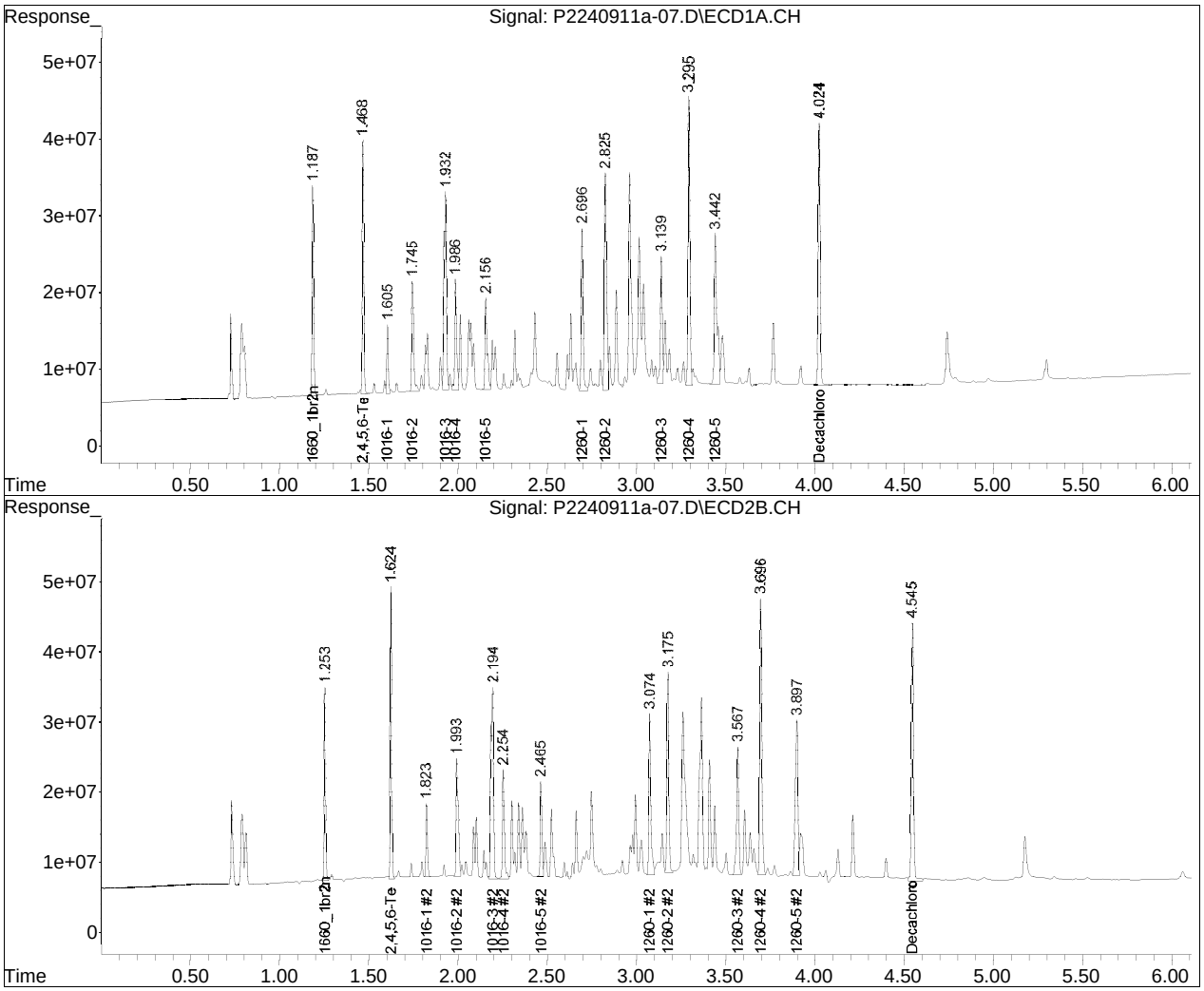
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 9:10
Operator : pest2:sdc
Sample : wg1970214-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
Misc : wg1970214,,ical21477
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 09:18:01 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

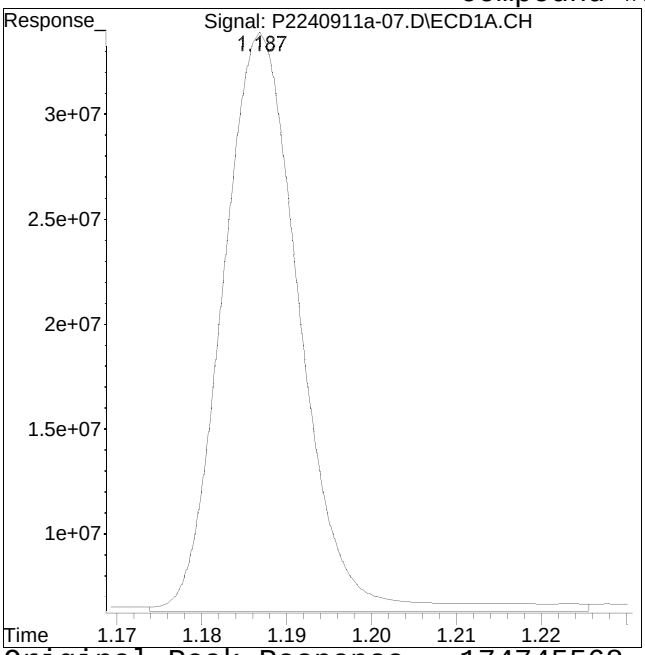
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

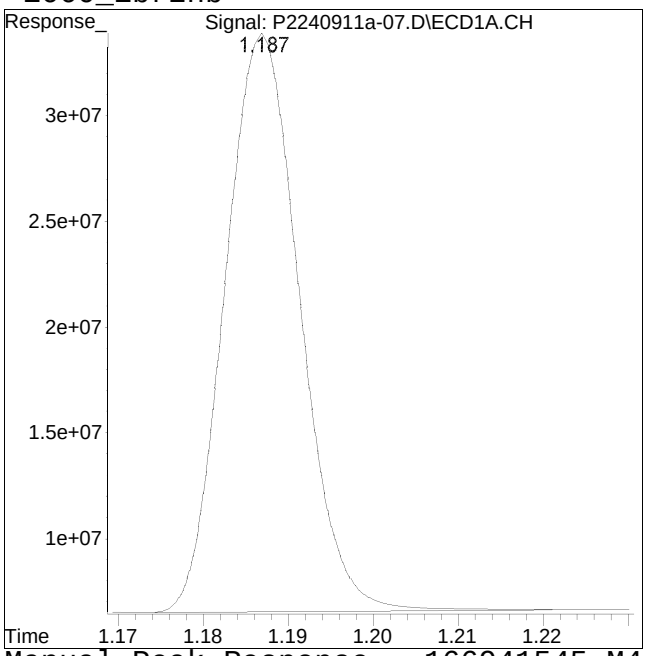


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #1: 1660_1br2nb



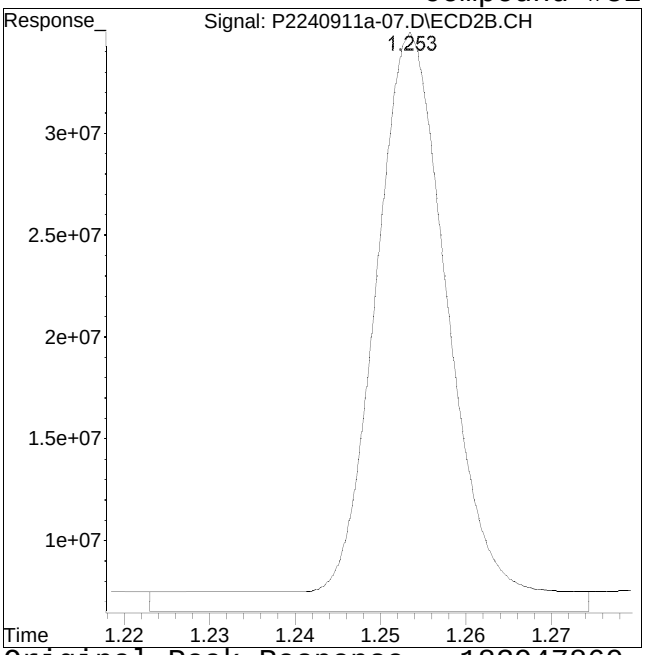


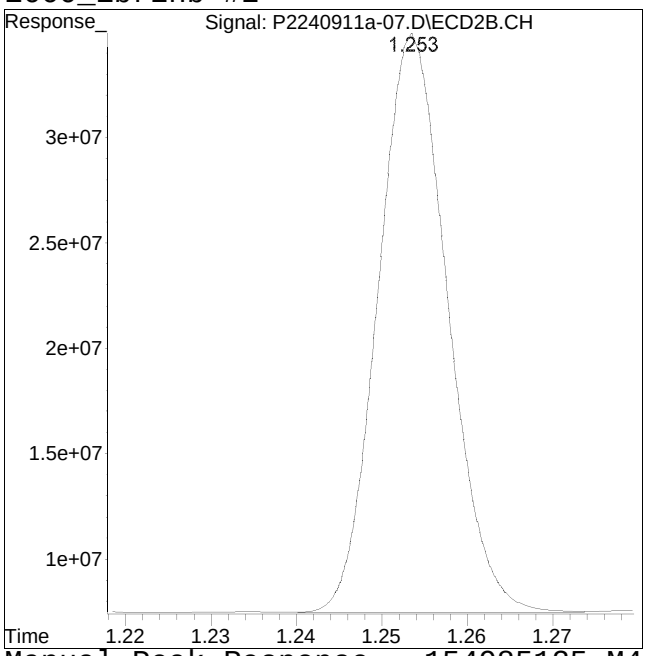
Original Peak Response = 174745568 Manual Peak Response = 166941545 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #52: 1660_1br2nb #2



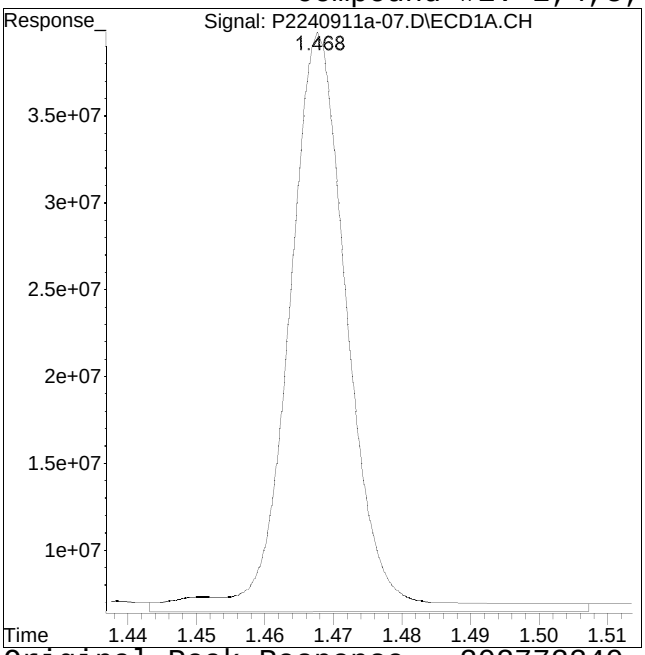


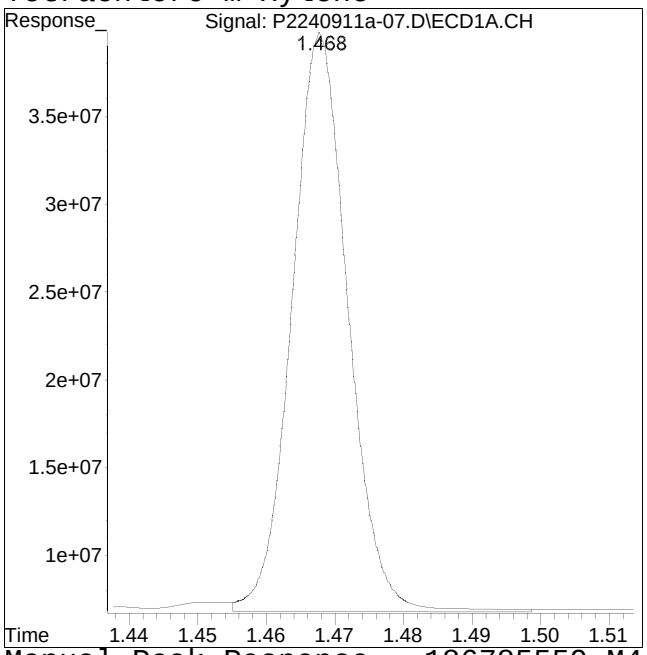
Original Peak Response = 183947860 Manual Peak Response = 154985125 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



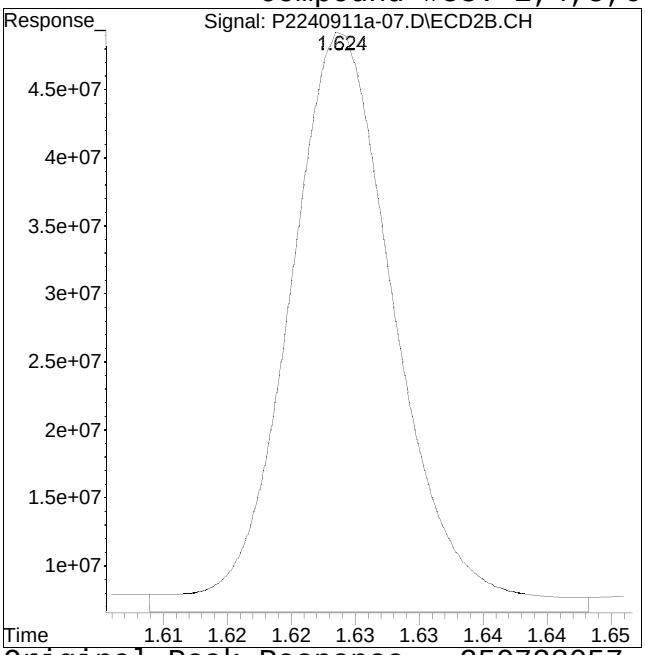


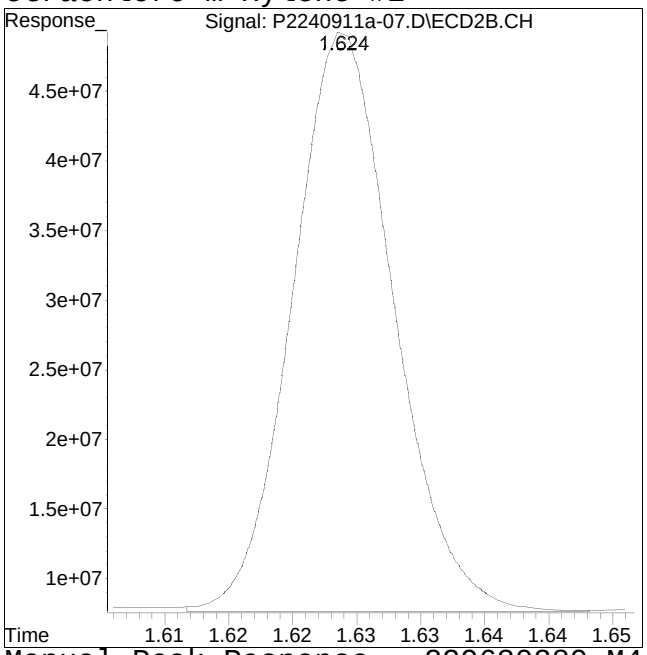
Original Peak Response = 202772340 Manual Peak Response = 186785559 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



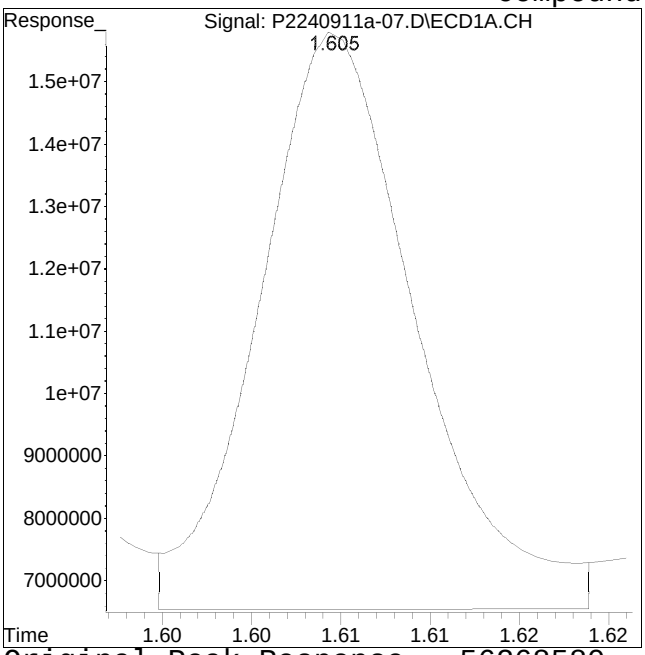


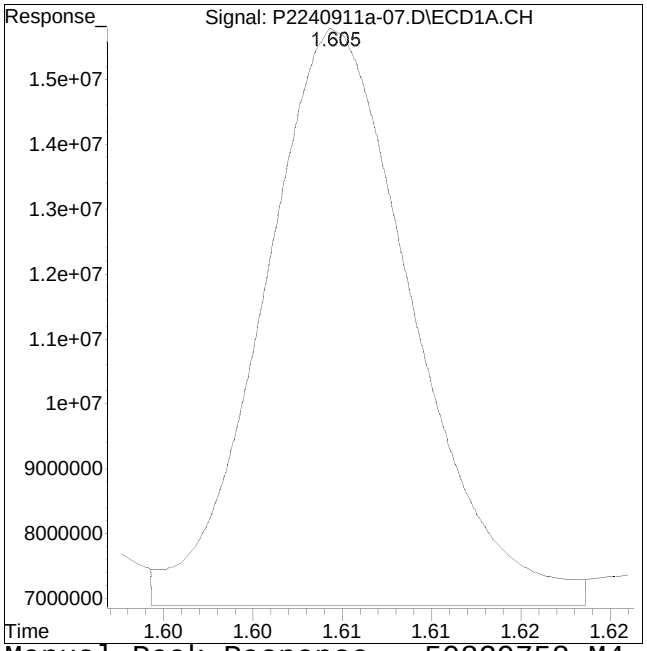
Original Peak Response = 250733057 Manual Peak Response = 229630280 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #4: 1016-1



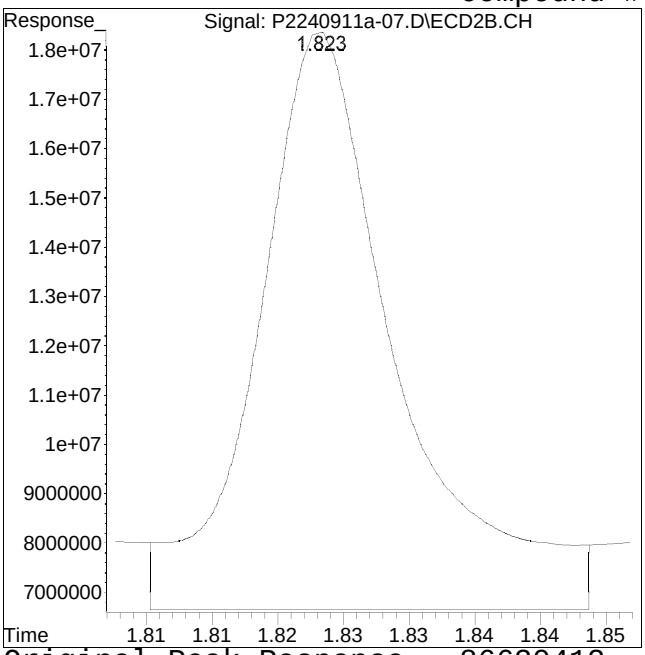


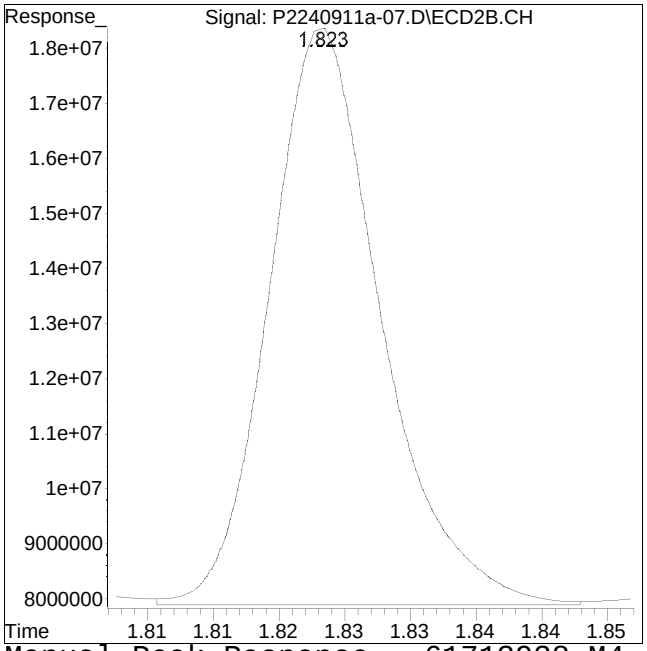
Original Peak Response = 56268580 Manual Peak Response = 50839758 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #55: 1016-1 #2



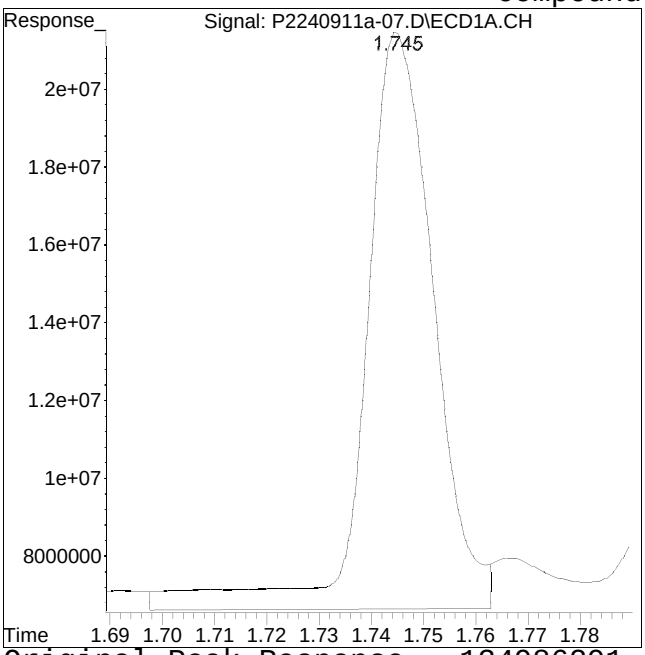


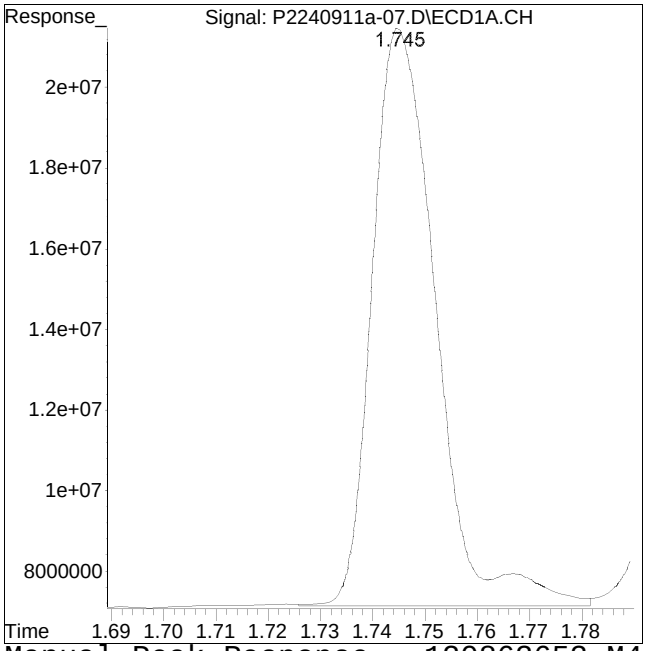
Original Peak Response = 86630412 Manual Peak Response = 61713938 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #5: 1016-2



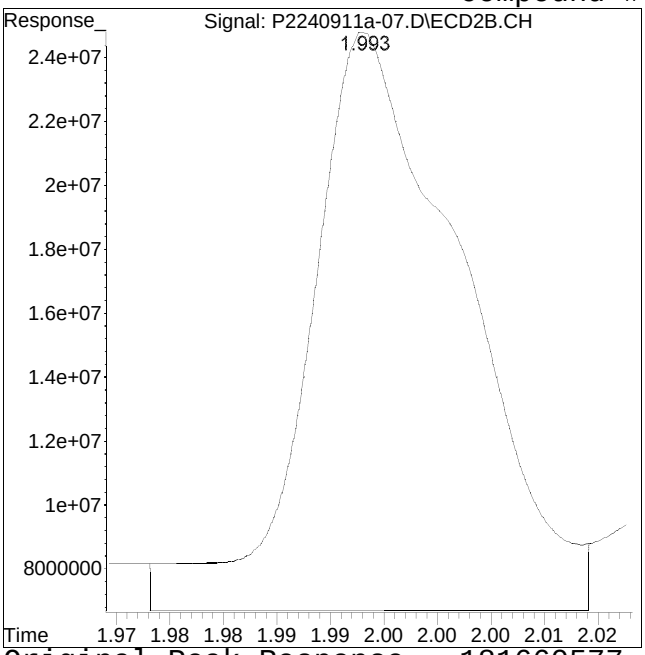


Original Peak Response = 134986291 Manual Peak Response = 120863653 M4
M4 = Poor automated baseline construction.

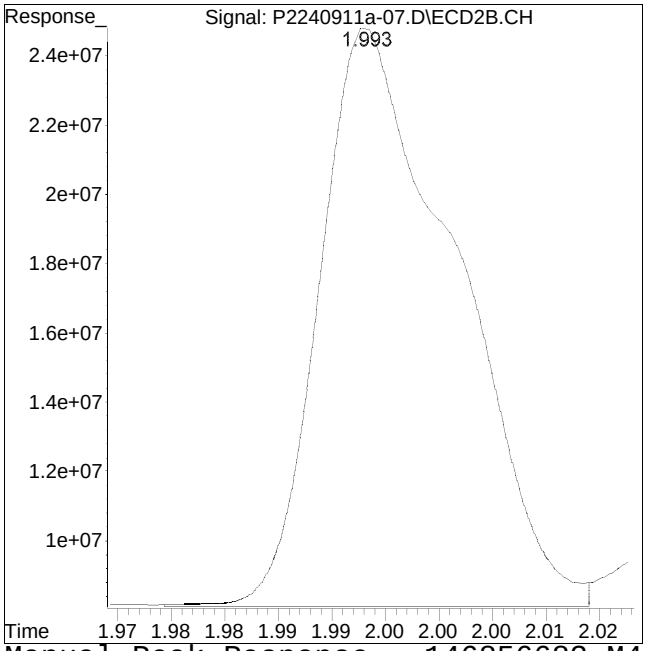
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #56: 1016-2 #2



Original Peak Response = 181660577



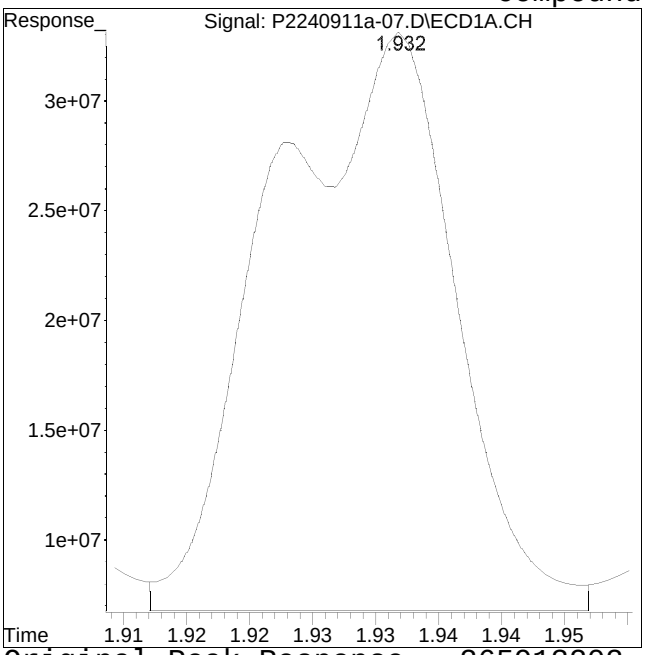
Manual Peak Response = 146856683 M4

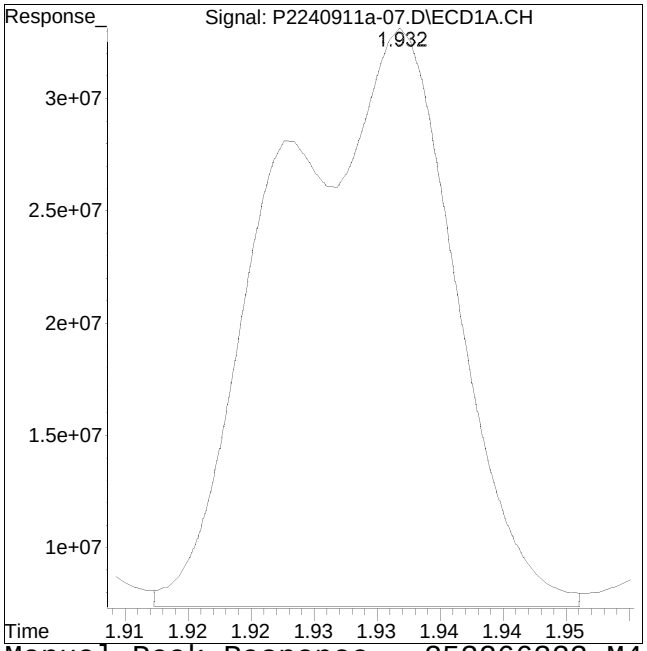
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #6: 1016-3



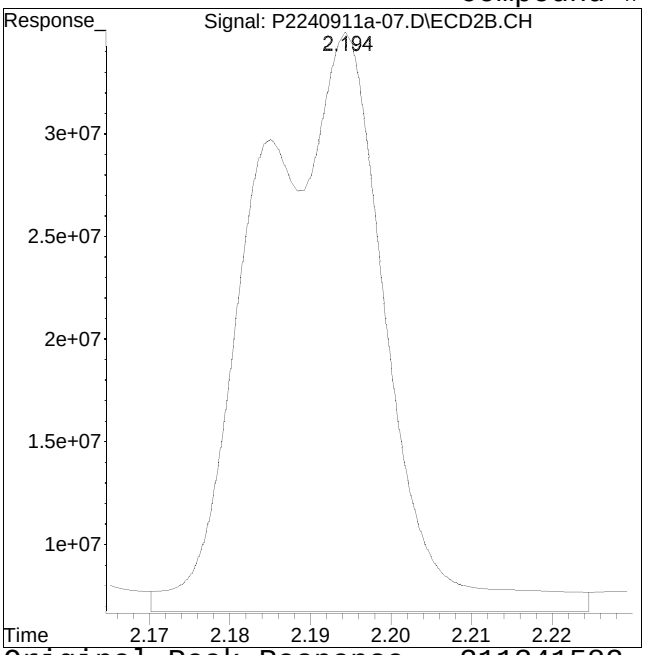


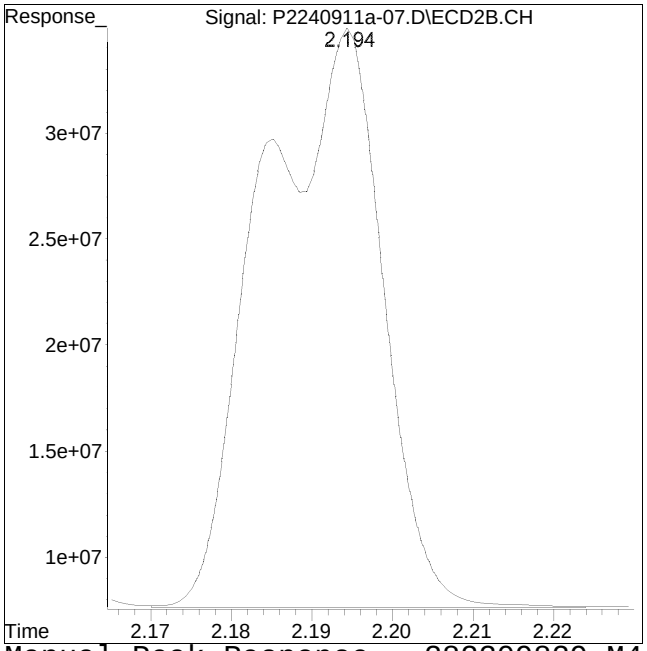
Original Peak Response = 265913202 Manual Peak Response = 253266323 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #57: 1016-3 #2



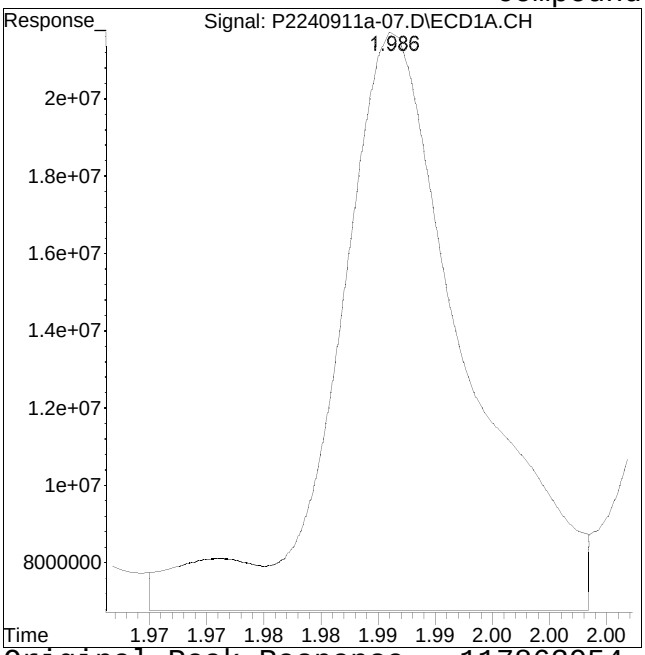


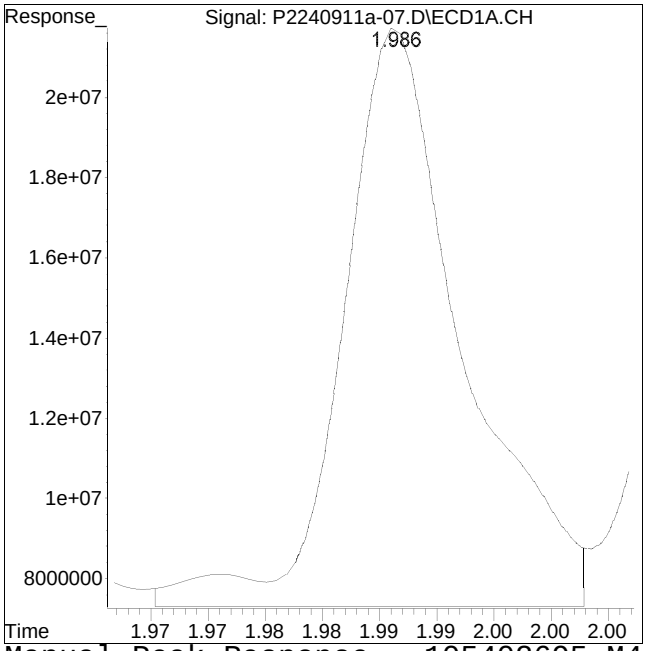
Original Peak Response = 311341582 Manual Peak Response = 282309829 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #7: 1016-4



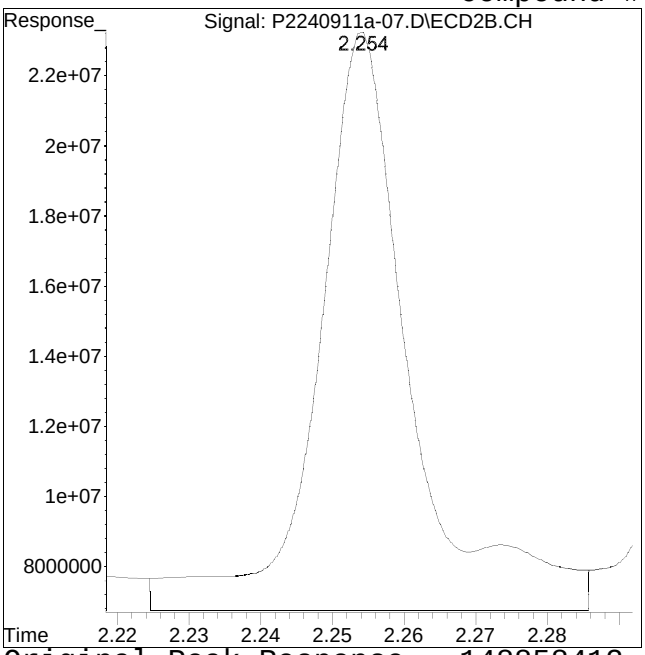


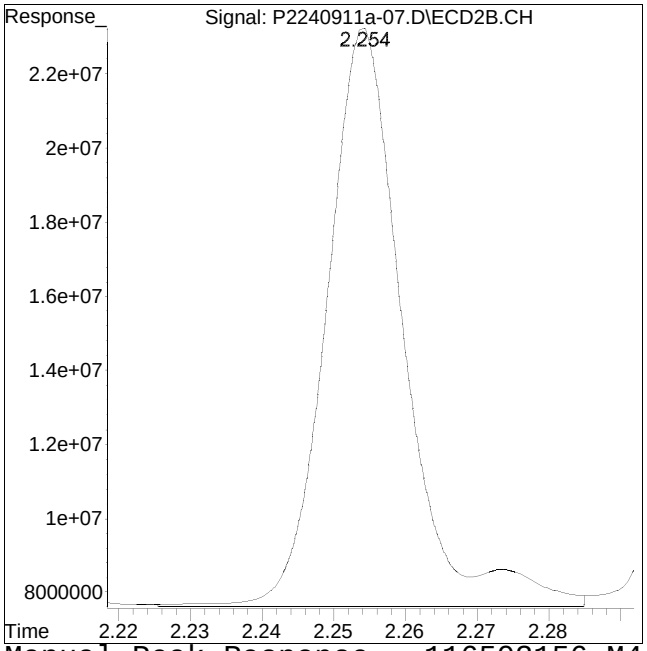
Original Peak Response = 117863954 Manual Peak Response = 105402695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #58: 1016-4 #2



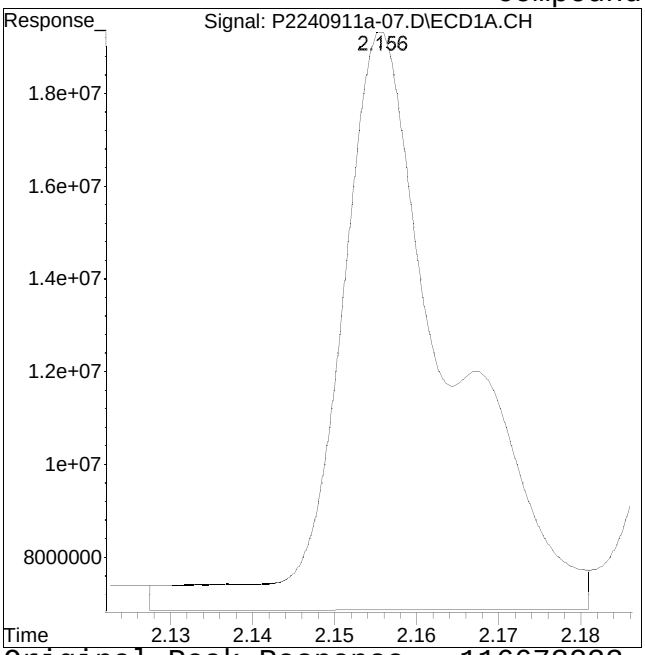


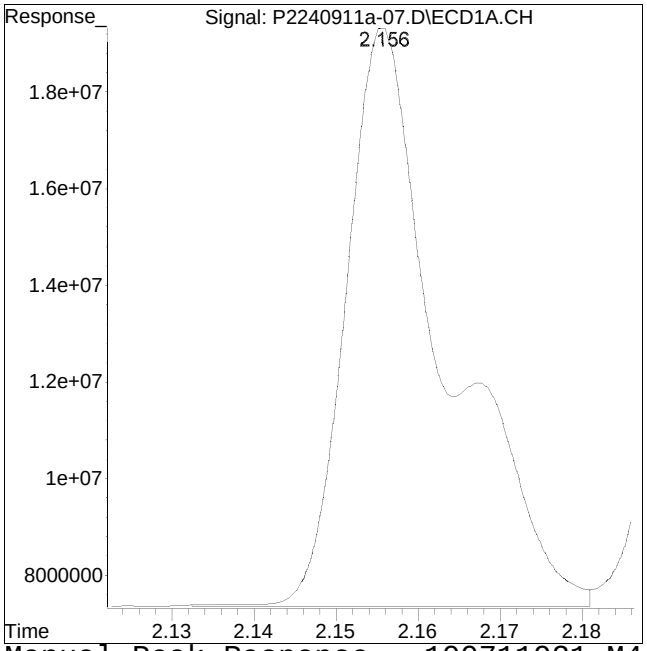
Original Peak Response = 148858412 Manual Peak Response = 116503156 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #8: 1016-5



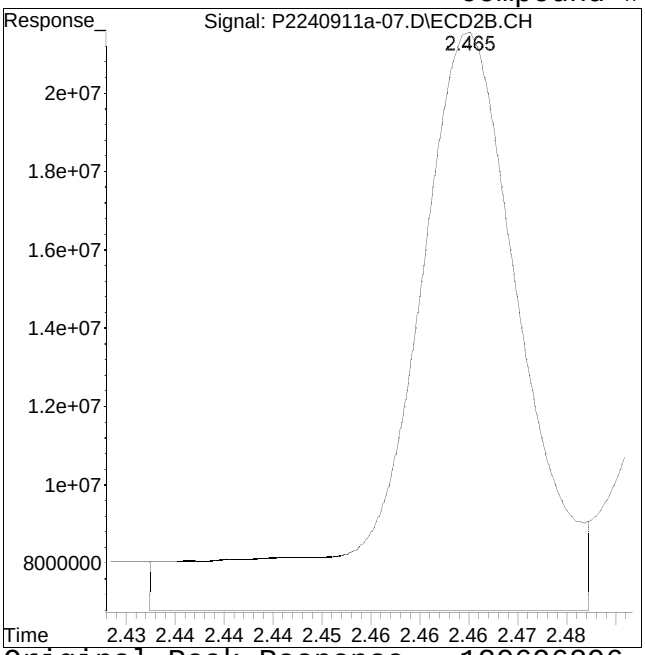


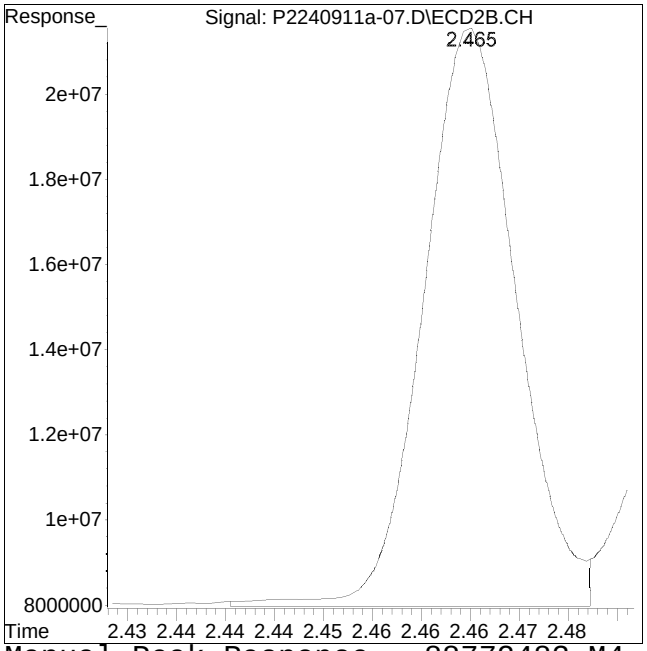
Original Peak Response = 116673233 Manual Peak Response = 100711921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #59: 1016-5 #2



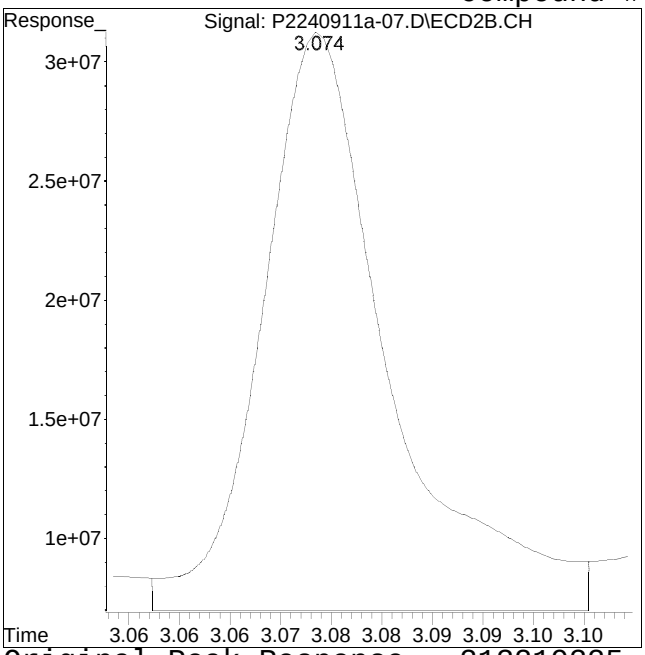


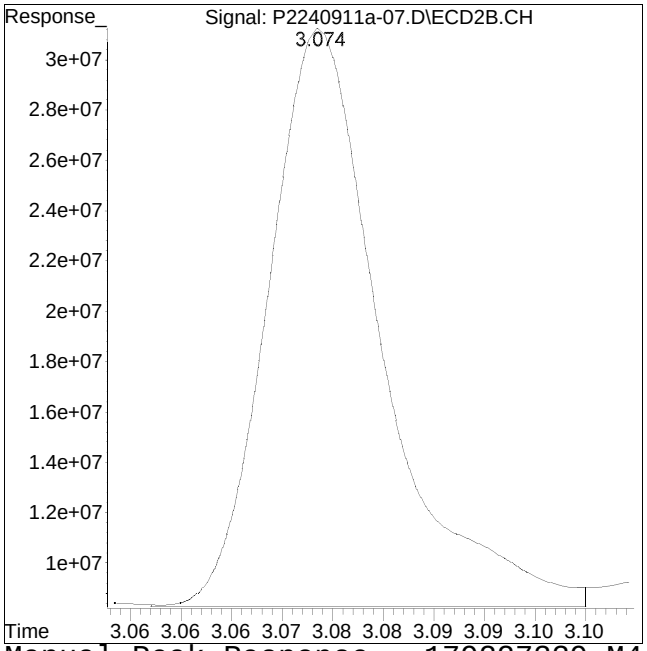
Original Peak Response = 120696296 Manual Peak Response = 88772483 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #60: 1260-1 #2



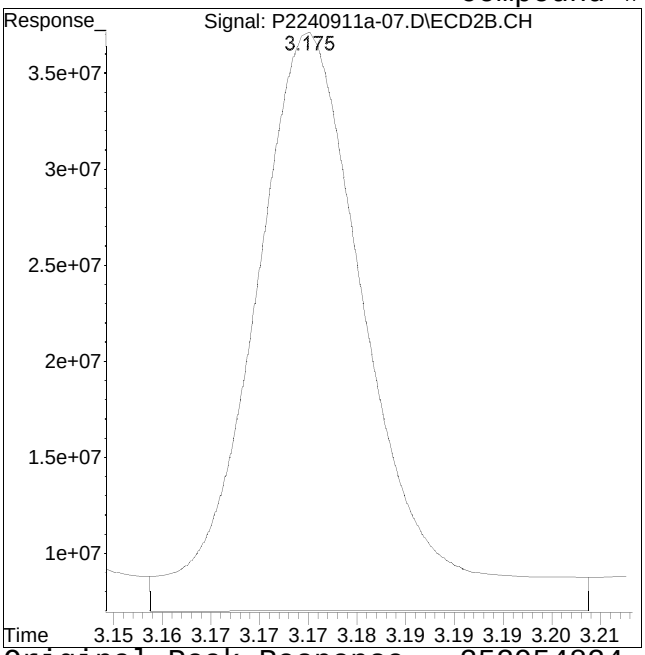


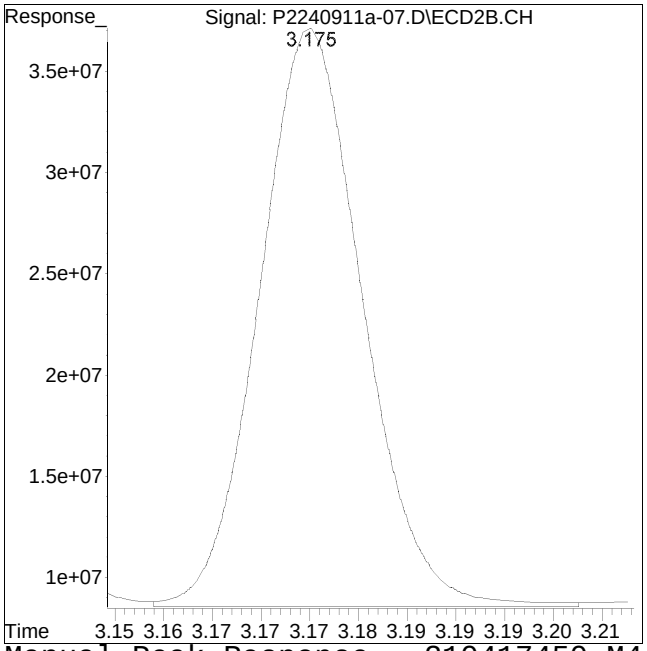
Original Peak Response = 213219325 Manual Peak Response = 179227339 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #61: 1260-2 #2



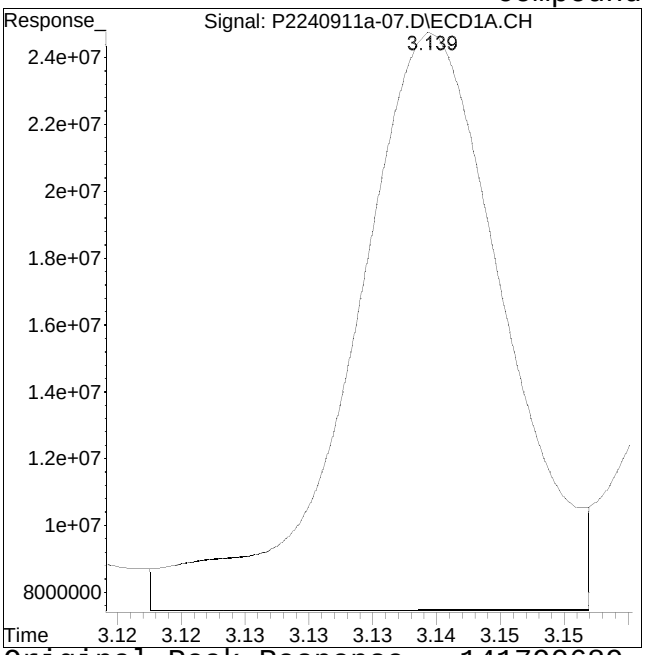


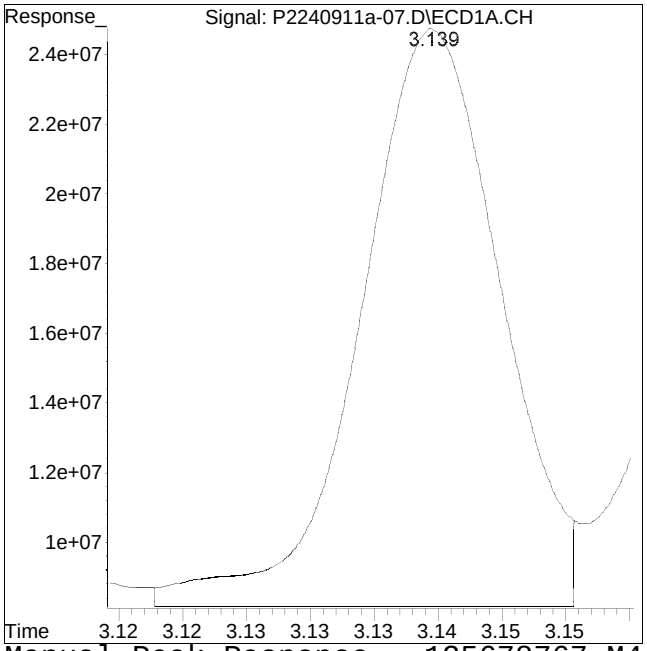
Original Peak Response = 252954824 Manual Peak Response = 210417450 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #11: 1260-3



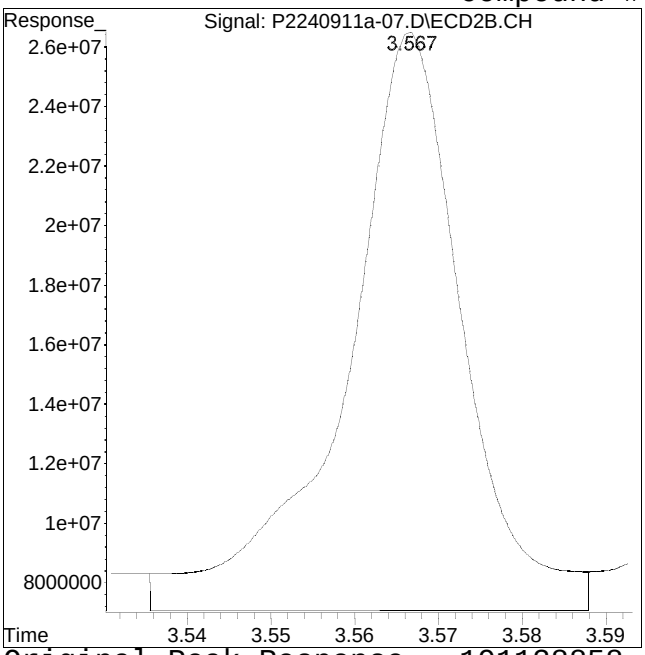


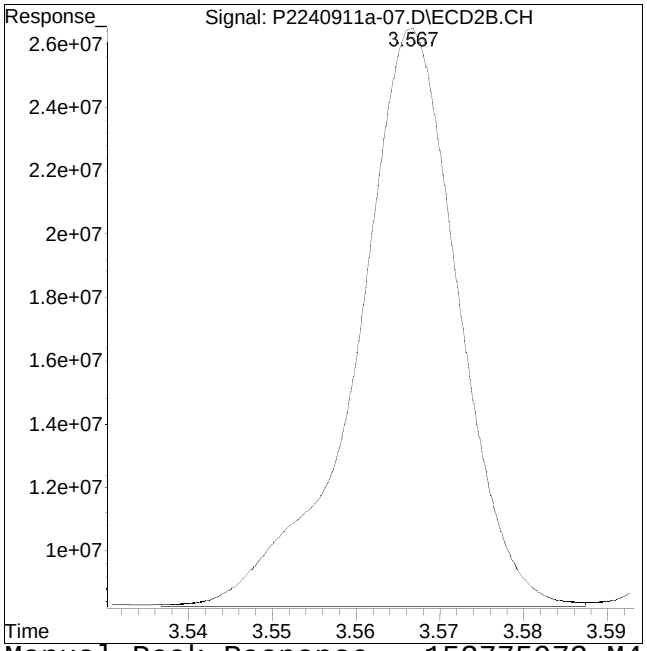
Original Peak Response = 141790689 Manual Peak Response = 125678767 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #62: 1260-3 #2



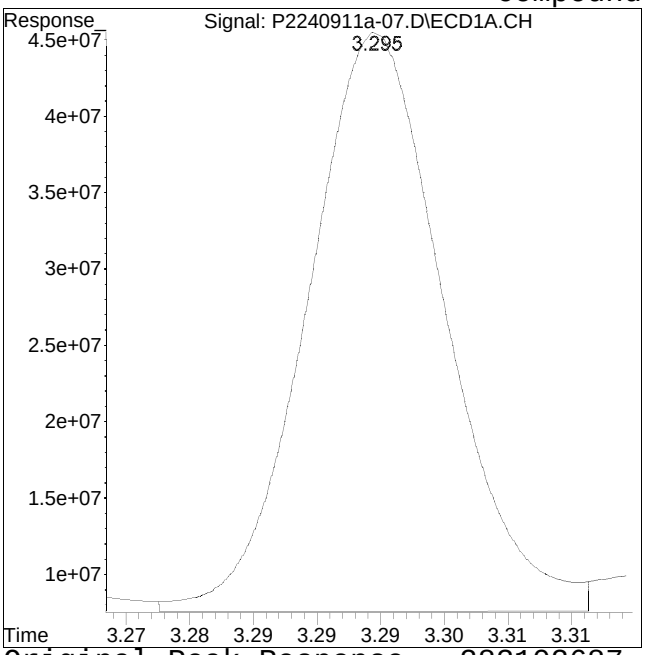


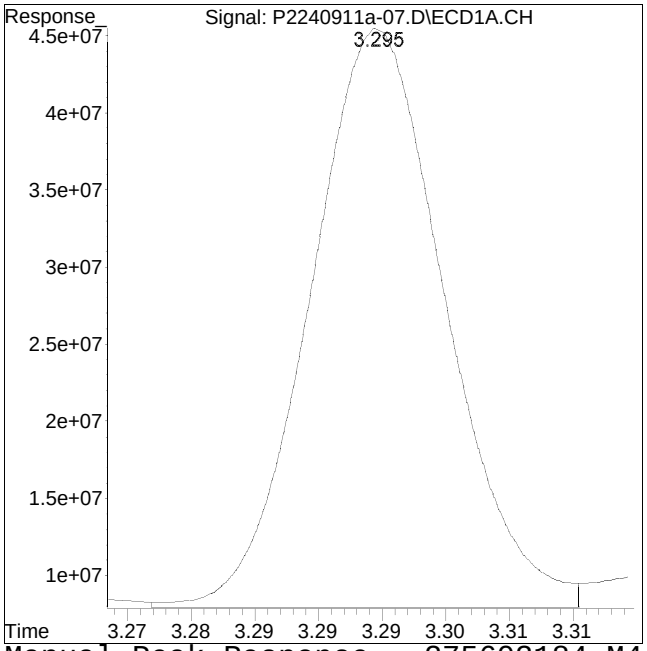
Original Peak Response = 191138858 Manual Peak Response = 153775973 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #12: 1260-4



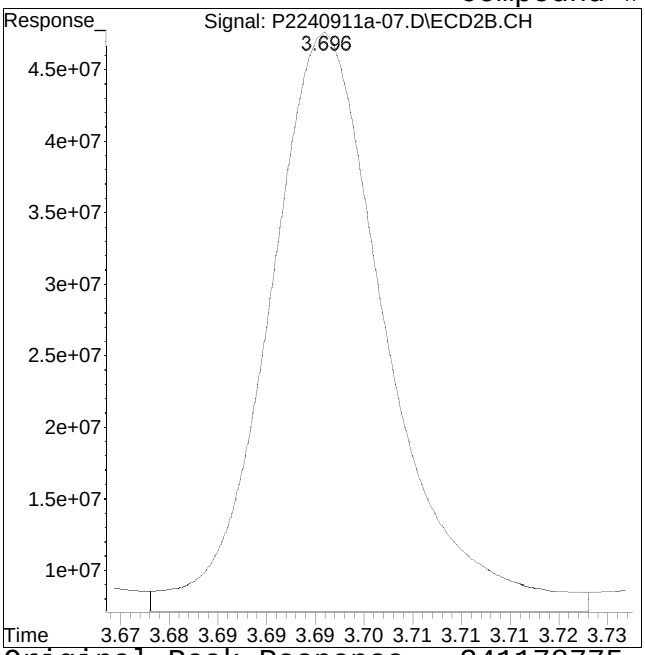


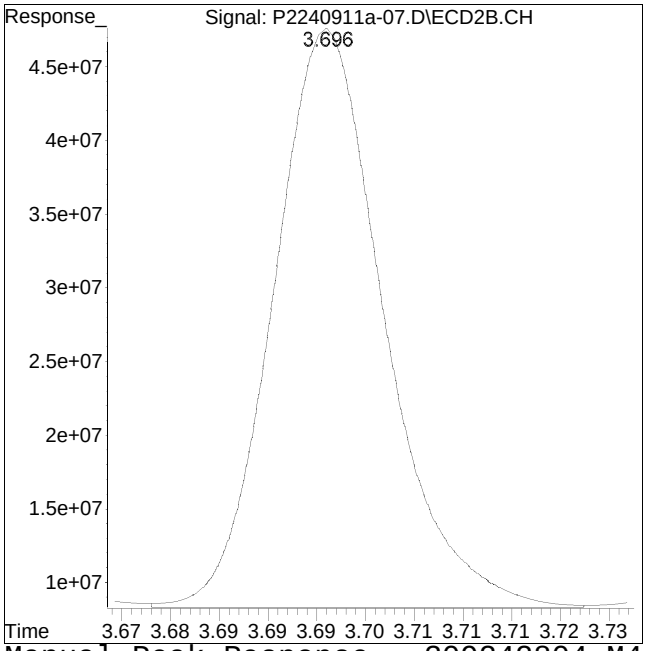
Original Peak Response = 283102687 Manual Peak Response = 275603184 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #63: 1260-4 #2



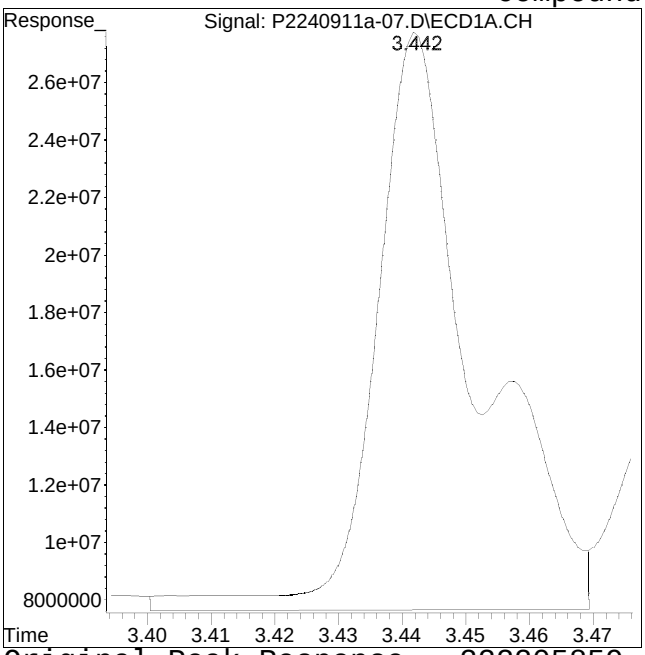


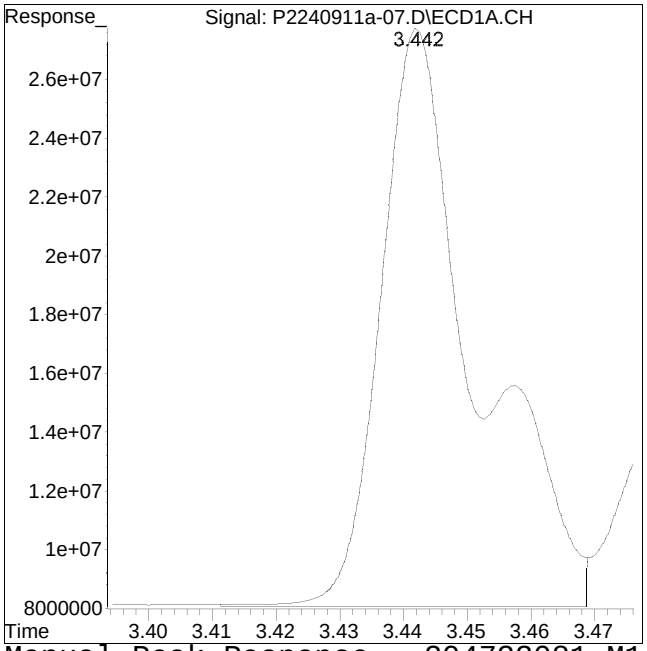
Original Peak Response = 341178775 Manual Peak Response = 309242804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #13: 1260-5



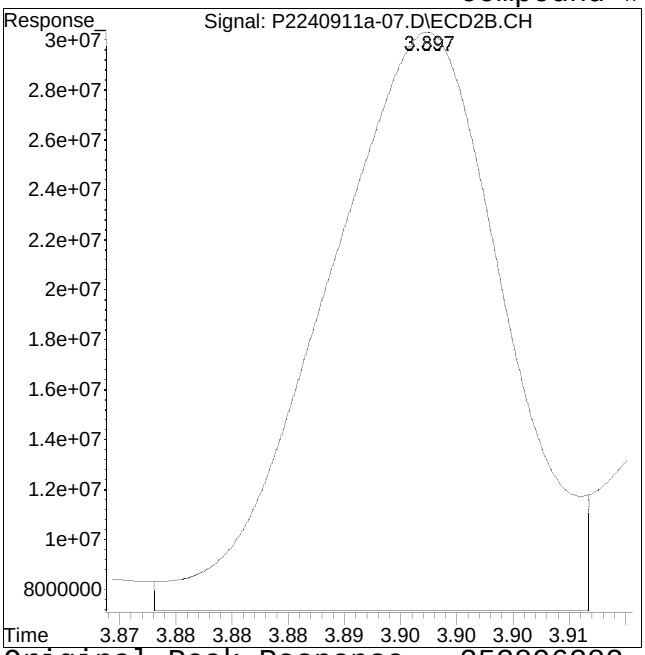


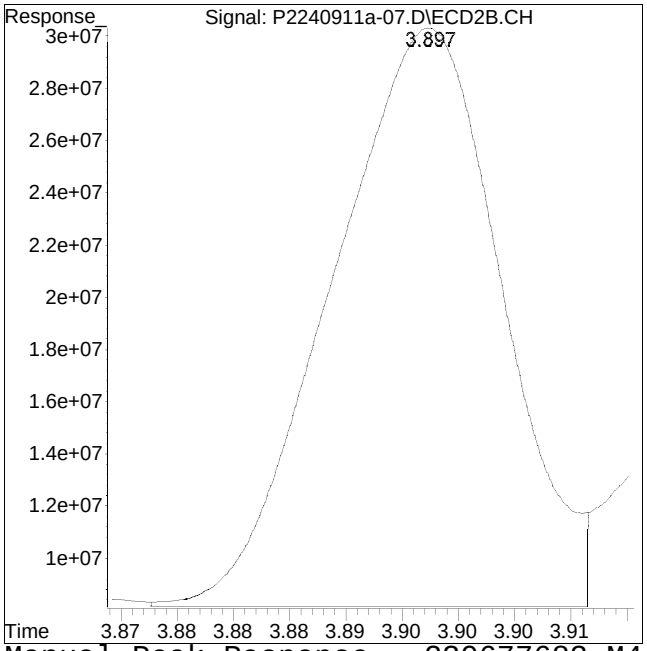
Original Peak Response = 222205859 Manual Peak Response = 204733081 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-07.D Operator : pest2:sdc
Date Inj'd : 9/11/2024 9:10 Instrument : Pest 2
Sample : wg1970214-1,42,, +1660 lviQuant Date : 9/11/2024 9:18 am

Compound #64: 1260-5 #2





Original Peak Response = 253896382 Manual Peak Response = 230677683 M4
M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:38
Operator : pest2:meo
Sample : WG1968961-1,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:42 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.191	1.254	196.1E6	211.3E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 166941545				Recovery = 117.45%		
	Standard Area 1 : #2 = 154985125				Recovery = 136.35%		
14) i	2154_1br2nb	1.191	1.254	196.1E6	211.3E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.191	1.254	196.1E6	211.3E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.191	1.254	196.1E6	211.3E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.191	1.254	196.1E6	211.3E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.477	1.630	106.1E6	118.9E6	7.114M4	6.651M4
	Spiked Amount 20.000	Range 30 - 150			Recovery = 35.57%		33.26%
3) s	Decachlorobi	4.061	4.586f	158.7E6	160.1E6	14.339M4	14.305M2
	Spiked Amount 20.000	Range 30 - 150			Recovery = 71.69%		71.52%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:38
Operator : pest2:meo
Sample : WG1968961-1,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:42 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9 1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:38
Operator : pest2:meo
Sample : WG1968961-1,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:42 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:38
Operator : pest2:meo
Sample : WG1968961-1,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:42 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : Default - All compounds listed

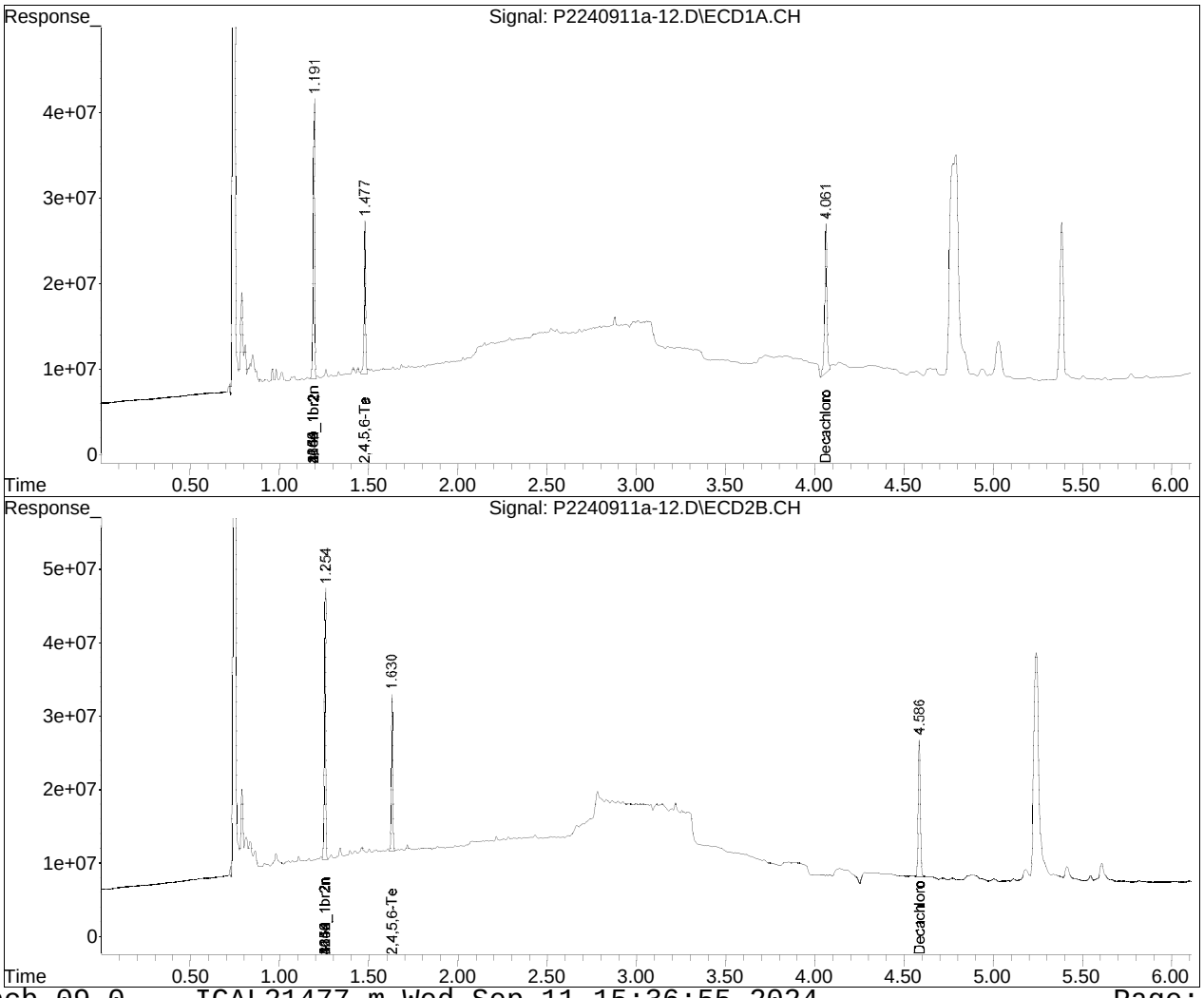
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:38
Operator : pest2:meo
Sample : WG1968961-1,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:42 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

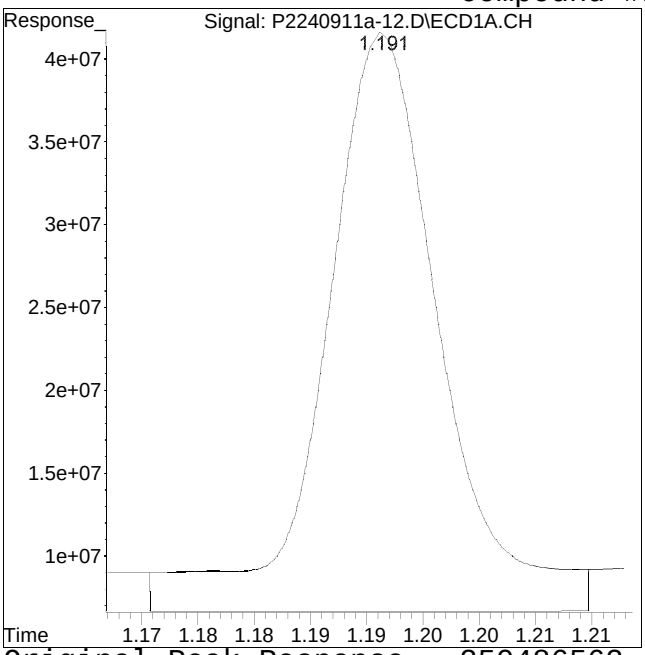
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

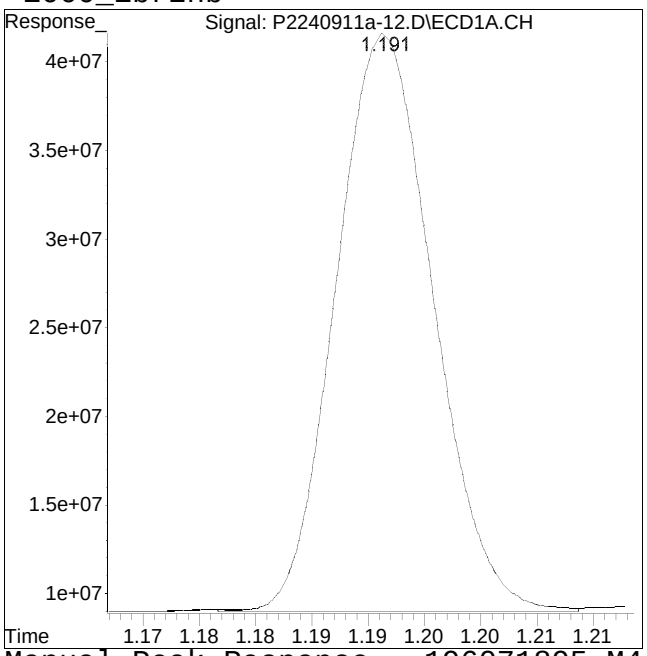


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #1: 1660_1br2nb



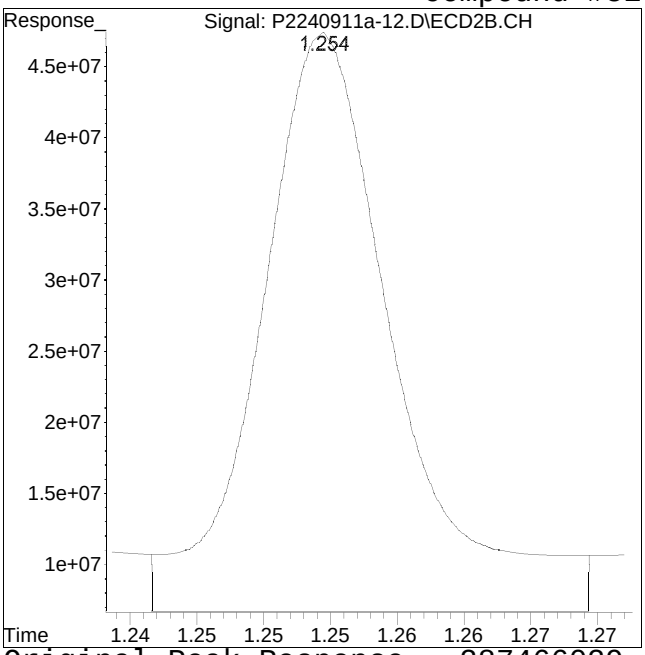


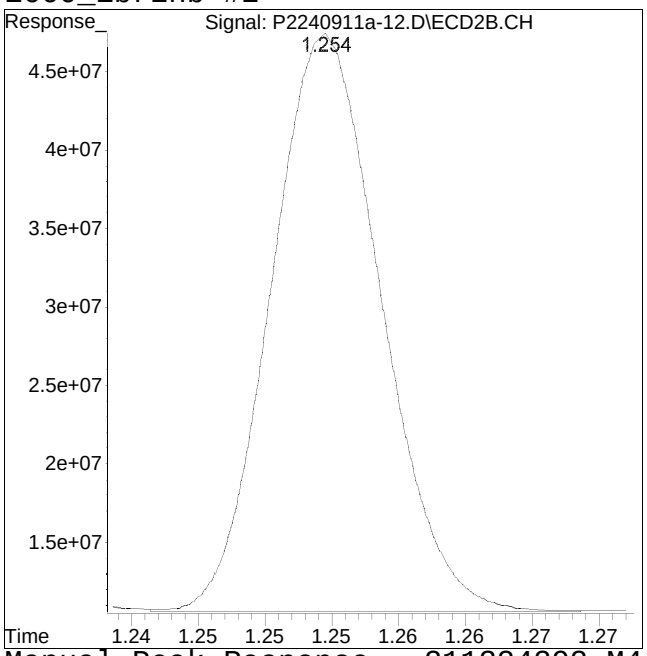
Original Peak Response = 250486562 Manual Peak Response = 196071895 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #52: 1660_1br2nb #2



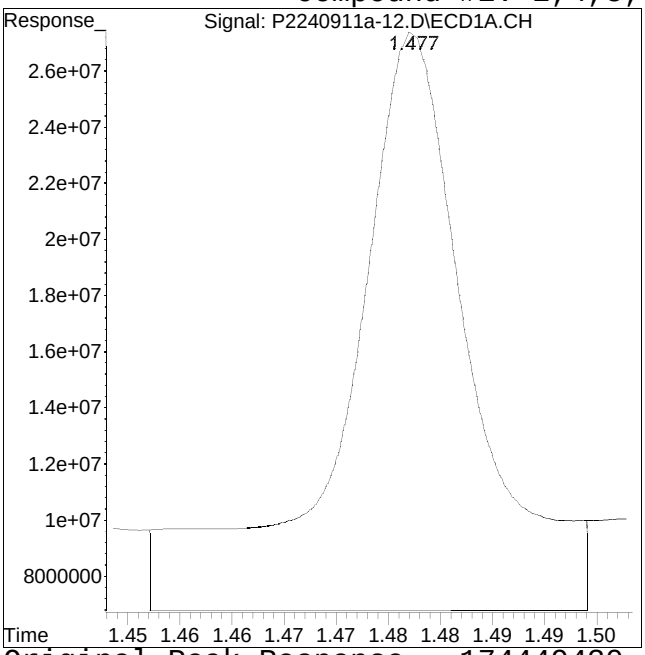


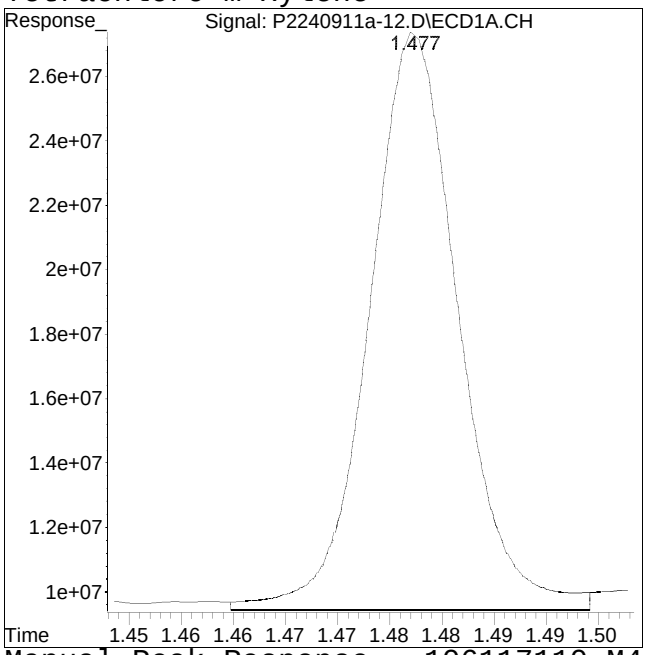
Original Peak Response = 287466029 Manual Peak Response = 211324292 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



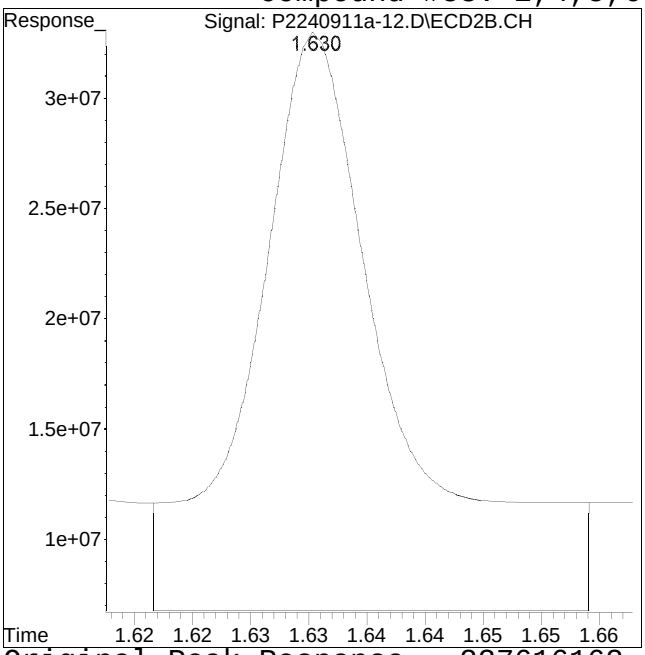


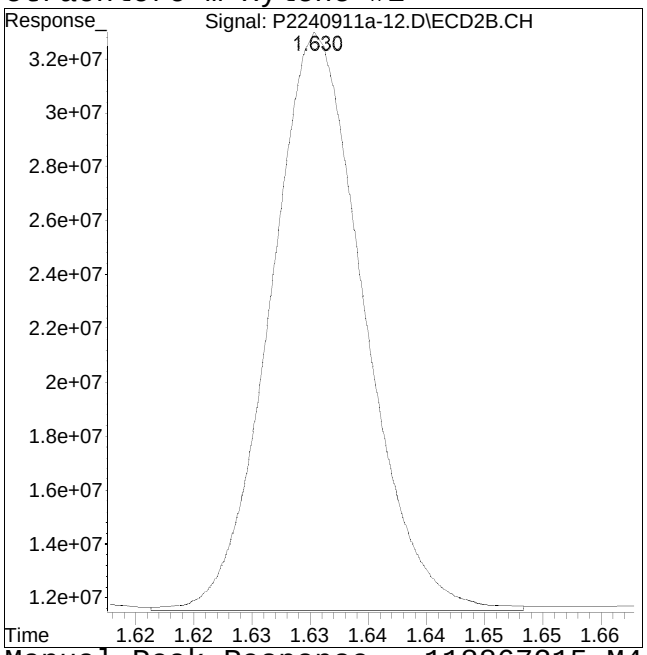
Original Peak Response = 174449430 Manual Peak Response = 106117110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



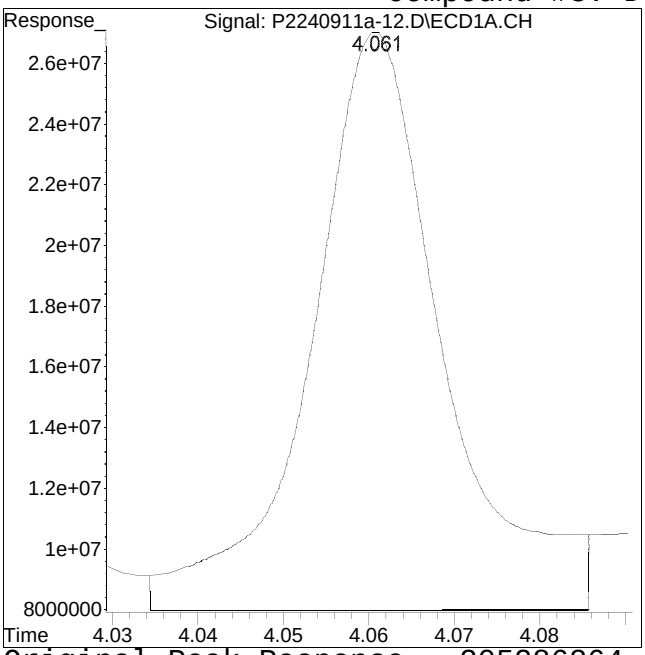


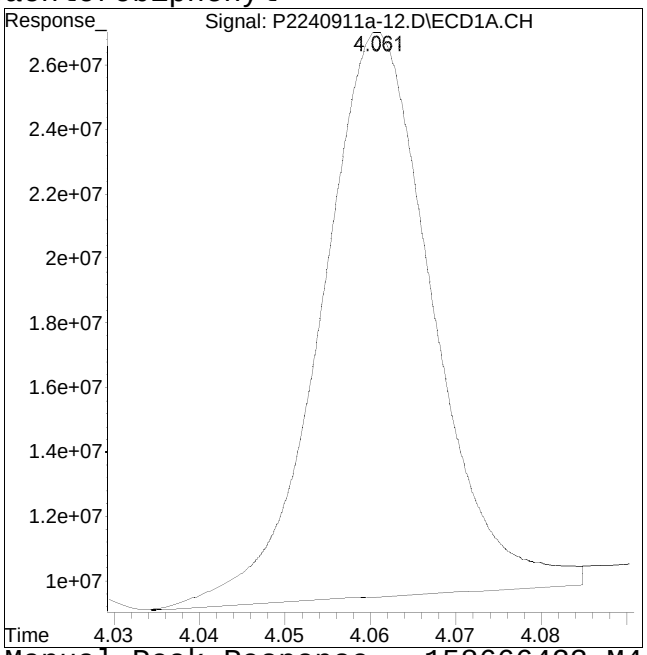
Original Peak Response = 227616162 Manual Peak Response = 118867215 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #3: Decachlorobiphenyl



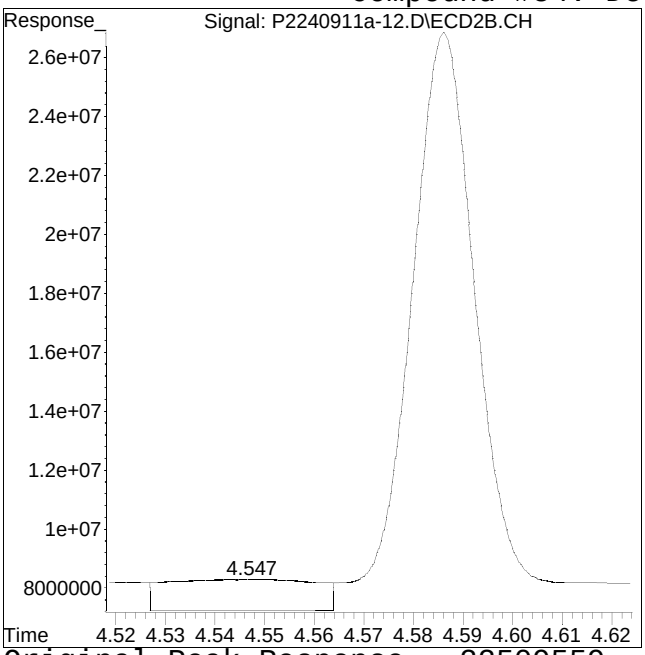


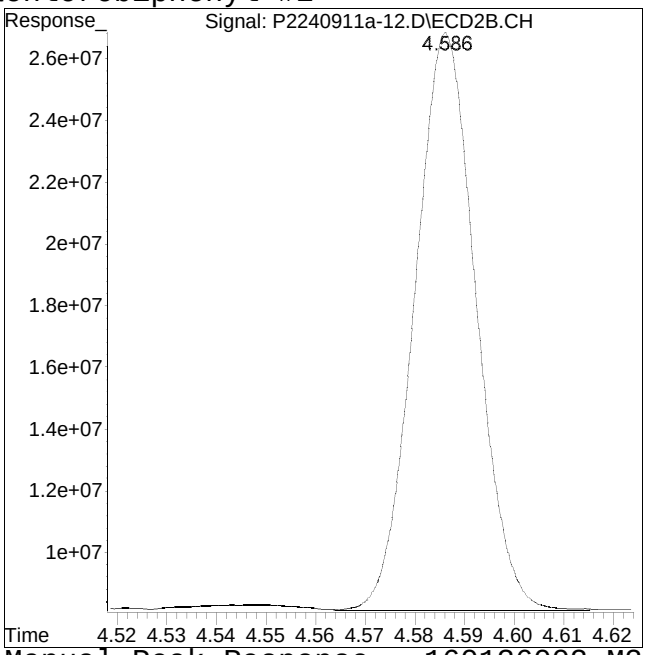
Original Peak Response = 205286264 Manual Peak Response = 158666423 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-12.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:38 Instrument : Pest 2
Sample : WG1968961-1,42,, Quant Date : 9/11/2024 2:35 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 22509559 Manual Peak Response = 160136002 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:47
Operator : pest2:meo
Sample : WG1968961-2,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:45 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.187	1.254	212.4E6	191.8E6	25.000	25.000
Standard Area 1 : #1 = 166941545				Recovery =	127.22%	
Standard Area 1 : #2 = 154985125				Recovery =	123.77%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.469	1.625	147.5E6	170.3E6	9.129M4	10.501
Spiked Amount 20.000	Range 30 - 150		Recovery =	45.64%	52.51%	
3) s Decachlorobi	4.030	4.552	163.2E6	160.7E6	13.614M4	15.818
Spiked Amount 20.000	Range 30 - 150		Recovery =	68.07%	79.09%	
Target Compounds						
4) l1 1016-1	1.607	1.827	39120191	47783343	138.460M4	165.046
5) l1 1016-2	1.748	1.998	86472633	108.1E6	139.399M4	169.999
6) l1 1016-3	1.938	2.198	185.9E6	199.5E6	147.900M4	157.070
7) l1 1016-4	1.992	2.259	79854855	82395230	153.357M4	163.193
8) l1 1016-5	2.161	2.469	78416494	67177747	138.270M4	165.933M4
Sum 1016-1			469.7E6	505.0E6	717.386	821.241
Average 1016-1					143.477	164.248
9) l2 1260-1	2.703	3.077	114.1E6	136.4E6	143.804	179.709M4
10) l2 1260-2	2.833	3.179	182.7E6	168.8E6	152.286	186.640M4
11) l2 1260-3	3.146	3.570	119.7E6	135.5E6	160.829	182.768M4
12) l2 1260-4	3.301	3.699	248.9E6	271.5E6	150.082	182.520M4
13) l2 1260-5	3.448	3.900	185.5E6	196.9E6	157.617M1	183.114M4
Sum 1260-1			850.8E6	909.0E6	764.617	914.751
Average 1260-1					152.923	182.950
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:47
Operator : pest2:meo
Sample : WG1968961-2,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:45 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

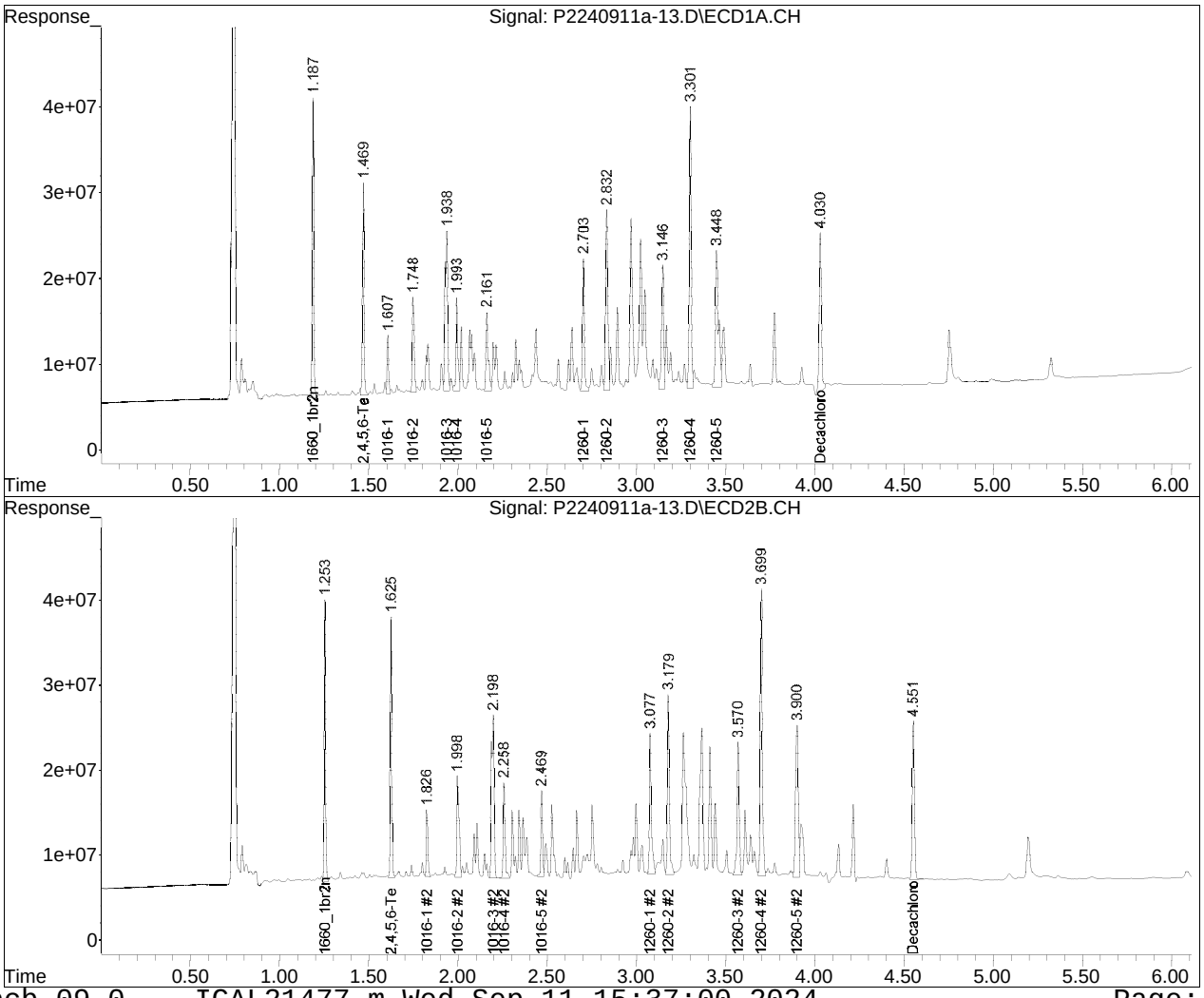
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240911a\P2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:47
Operator : pest2:meo
Sample : WG1968961-2,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:45 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

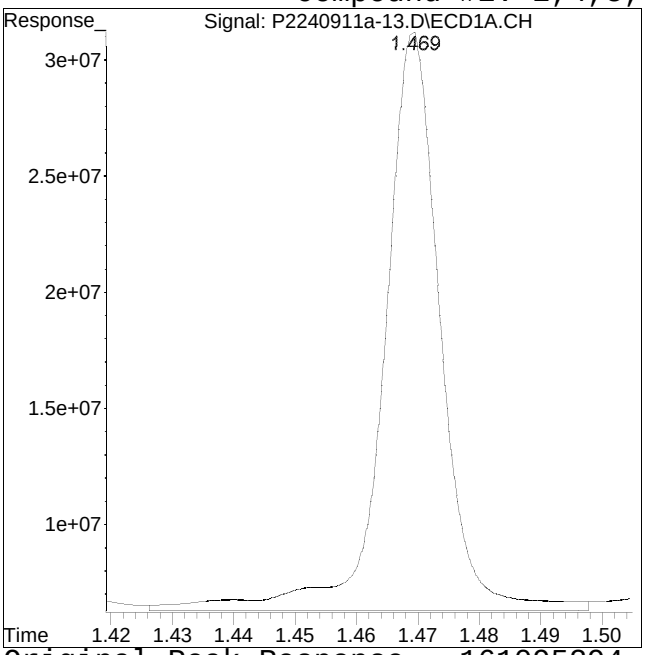
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



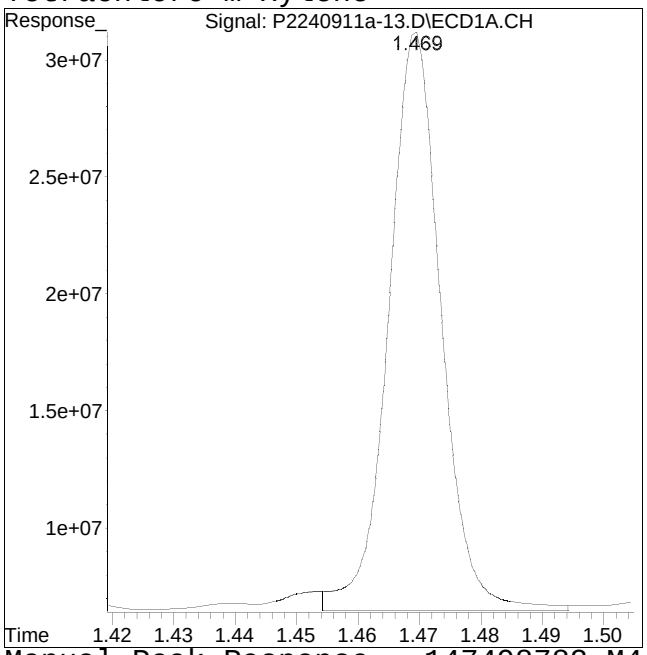
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 161095294



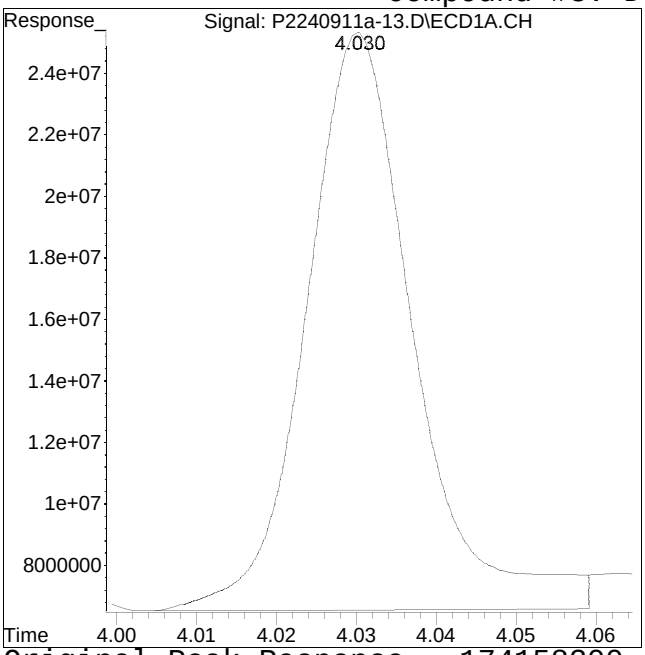
Manual Peak Response = 147498782 M4

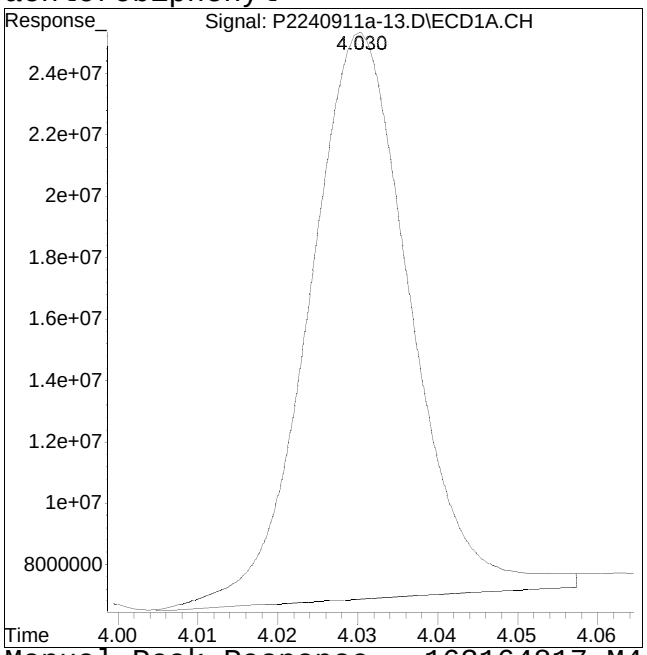
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #3: Decachlorobiphenyl



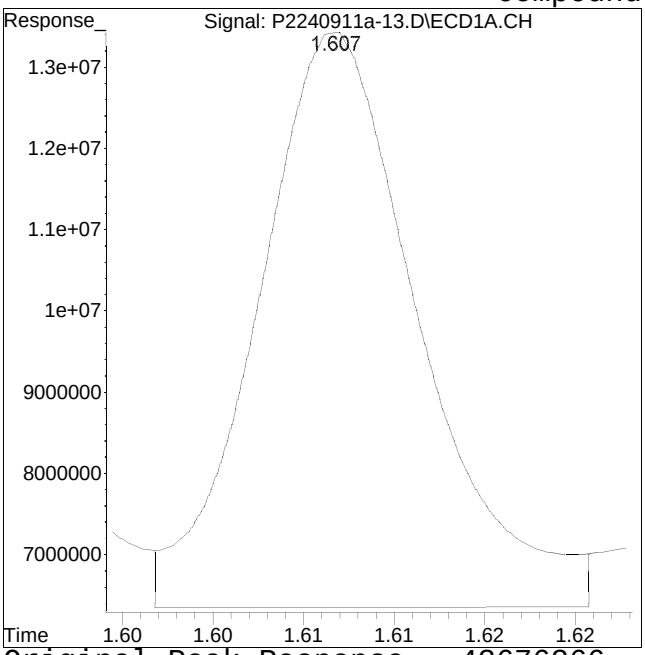


Original Peak Response = 174158300 Manual Peak Response = 163164817 M4
M4 = Poor automated baseline construction.

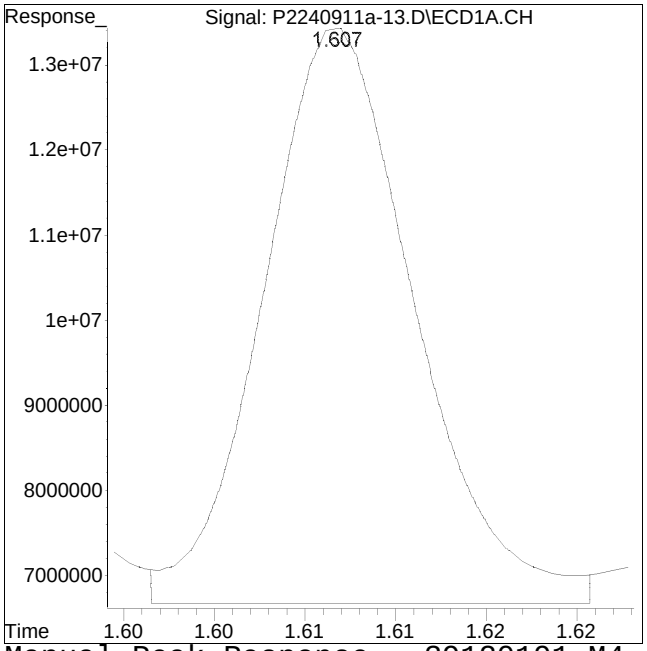
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #4: 1016-1



Original Peak Response = 43676266



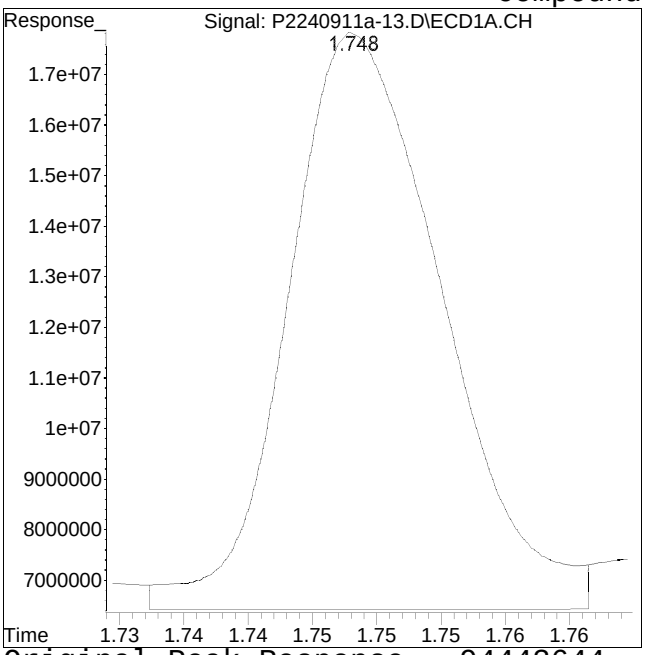
Manual Peak Response = 39120191 M4

M4 = Poor automated baseline construction.

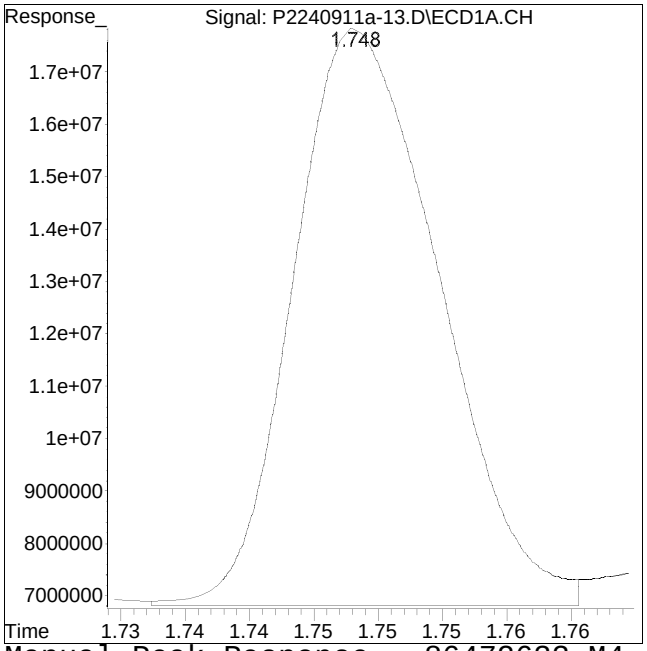
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #5: 1016-2



Original Peak Response = 94443644



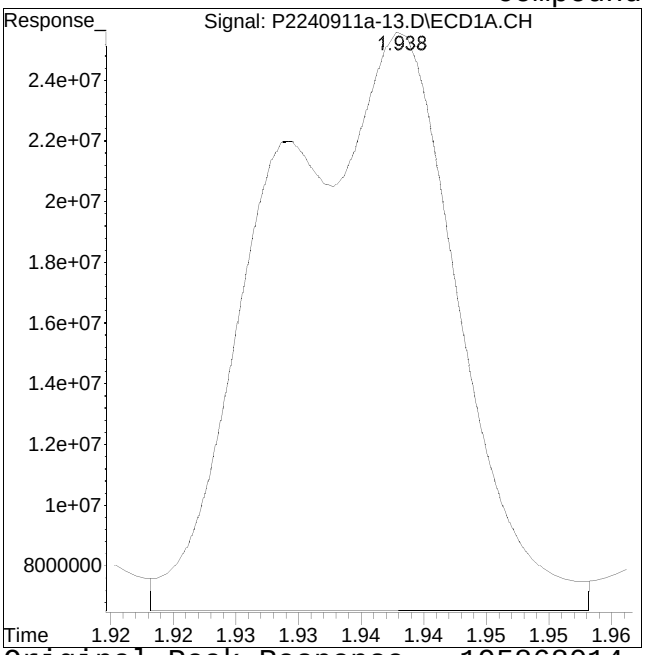
Manual Peak Response = 86472633 M4

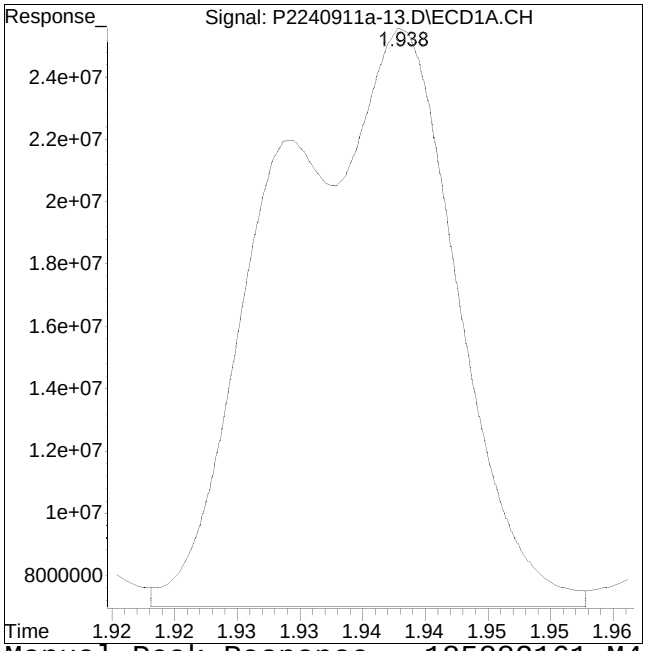
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #6: 1016-3



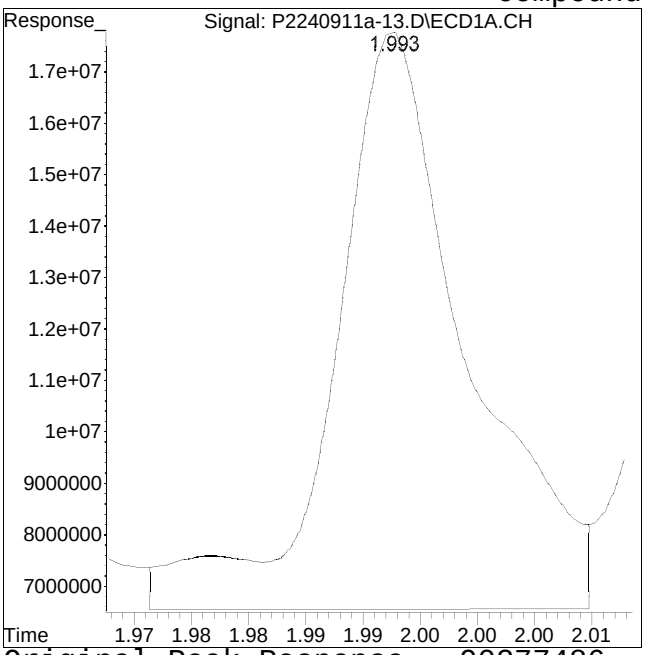


Original Peak Response = 195868014 Manual Peak Response = 185882161 M4
M4 = Poor automated baseline construction.

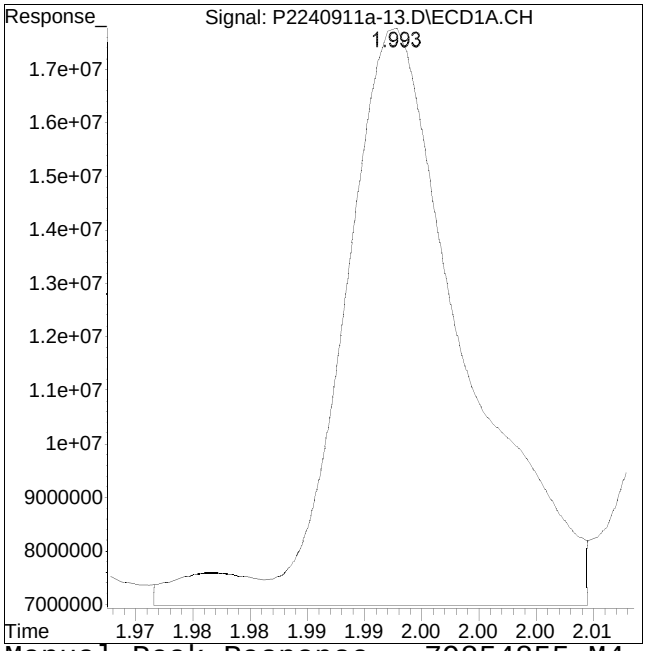
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #7: 1016-4



Original Peak Response = 90277486



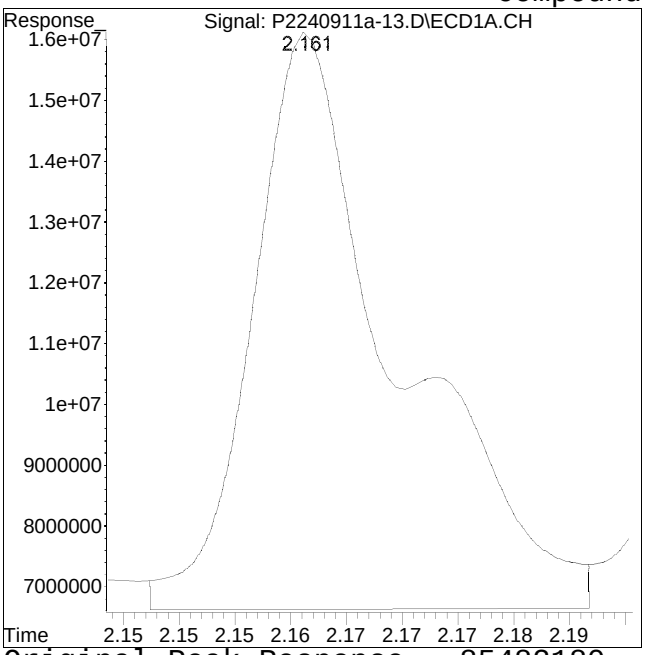
Manual Peak Response = 79854855 M4

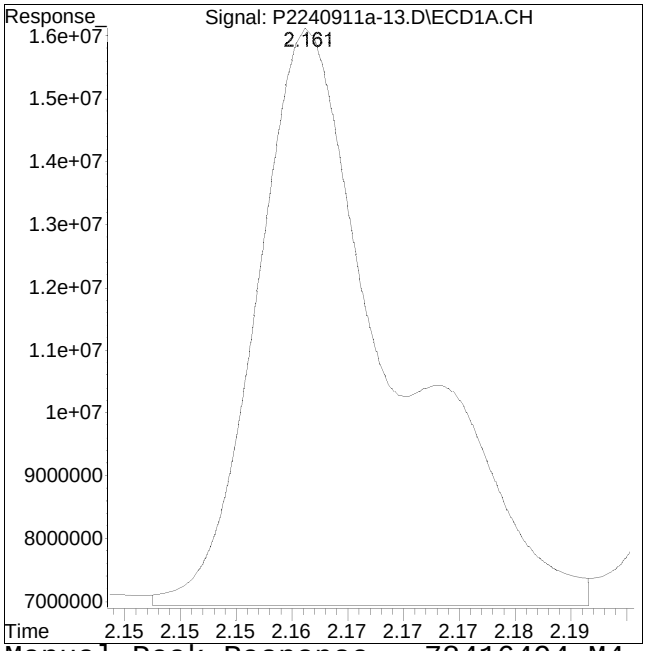
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #8: 1016-5



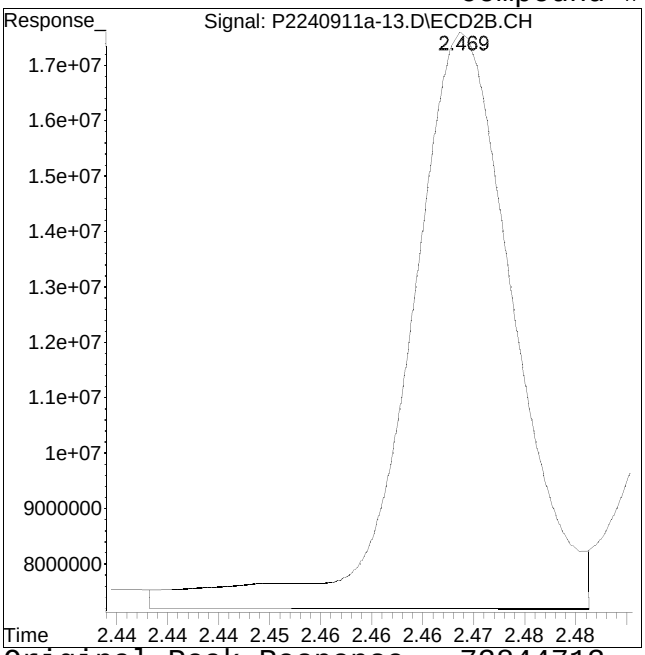


Original Peak Response = 85482180 Manual Peak Response = 78416494 M4
M4 = Poor automated baseline construction.

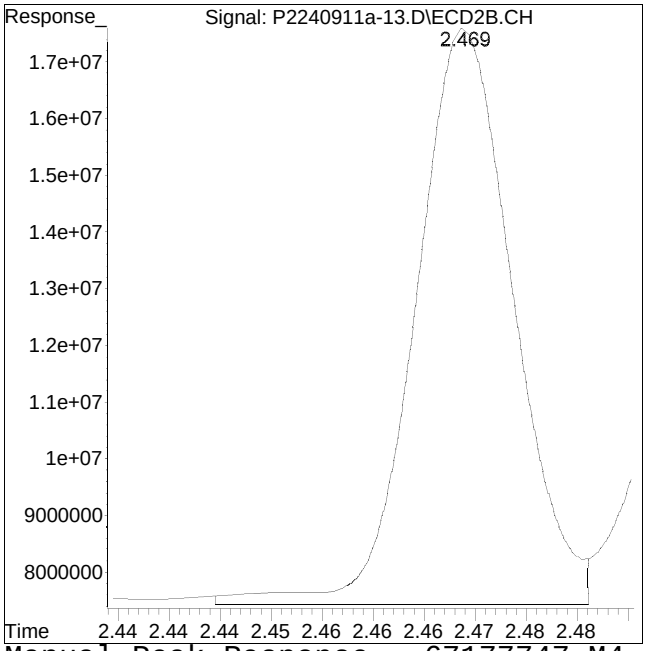
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #59: 1016-5 #2



Original Peak Response = 73844713



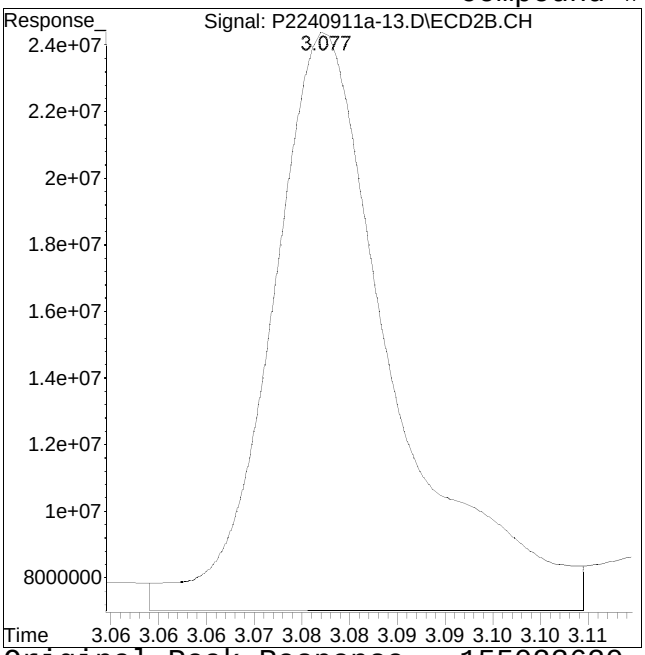
Manual Peak Response = 67177747 M4

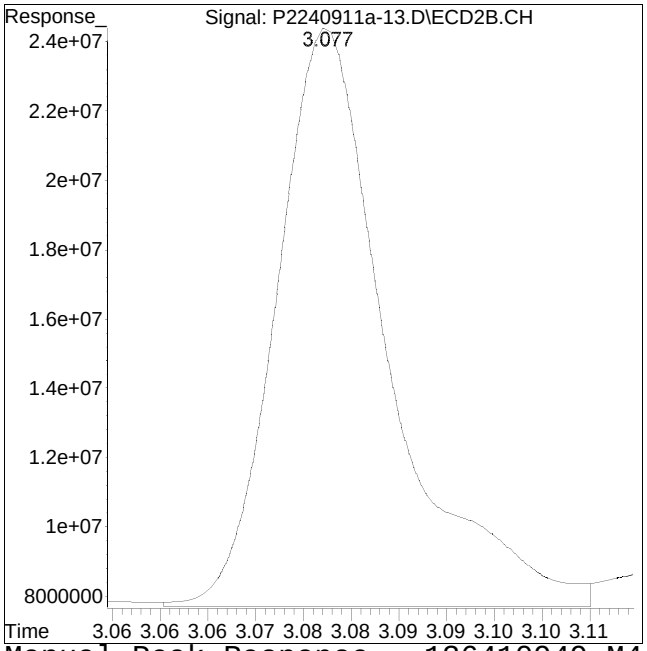
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #60: 1260-1 #2



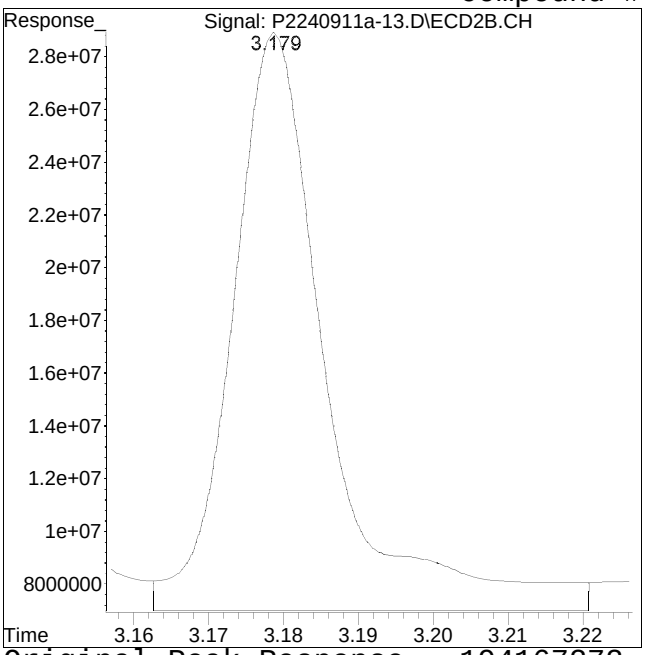


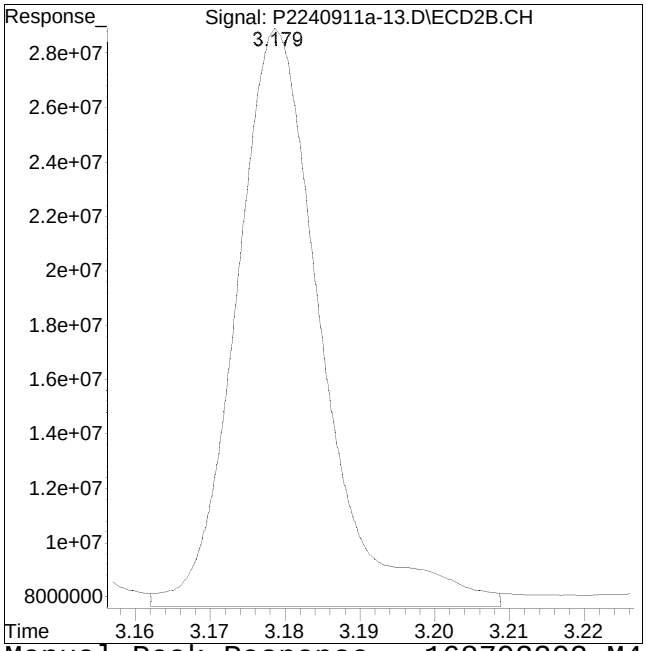
Original Peak Response = 155023620 Manual Peak Response = 136410949 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #61: 1260-2 #2



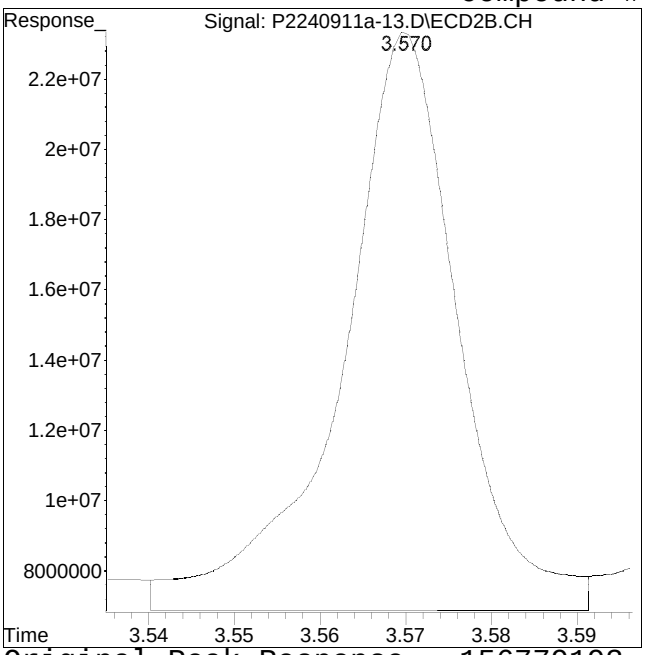


Original Peak Response = 194167272 Manual Peak Response = 168792202 M4
M4 = Poor automated baseline construction.

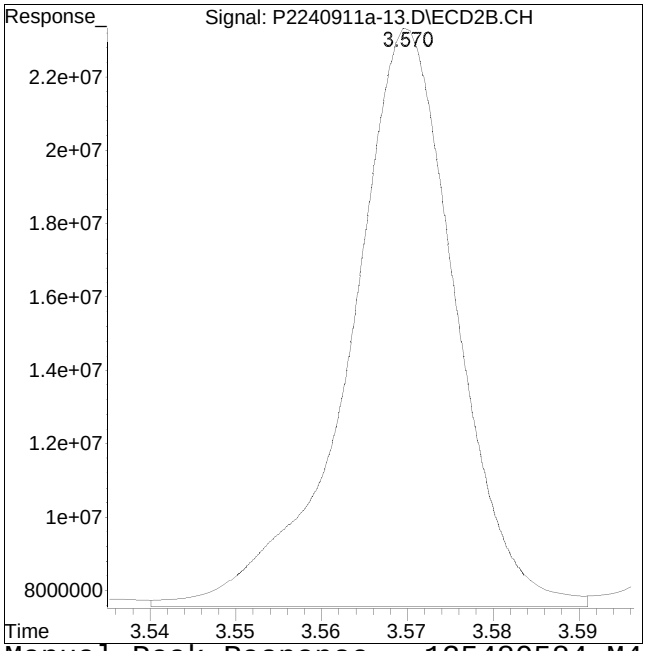
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #62: 1260-3 #2



Original Peak Response = 156779193



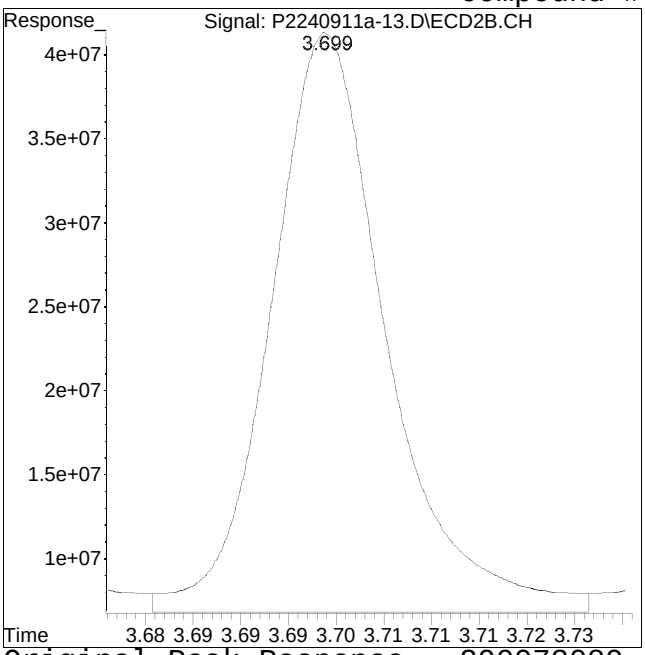
Manual Peak Response = 135480584 M4

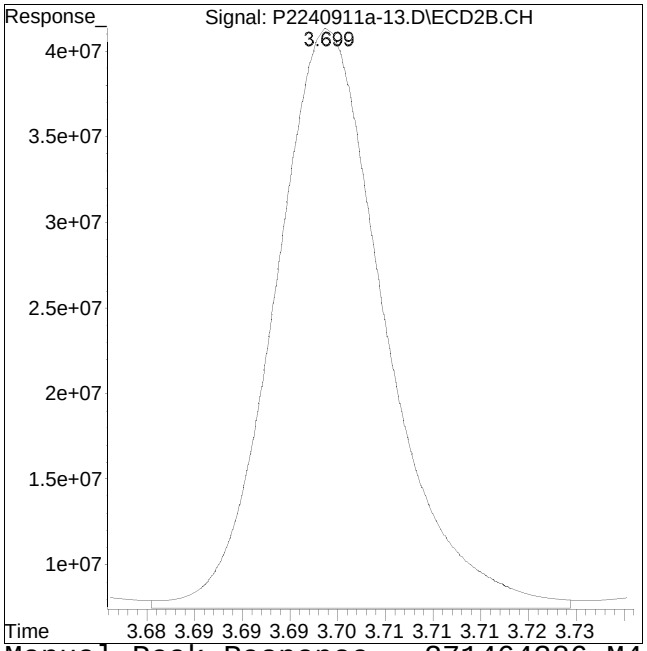
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #63: 1260-4 #2



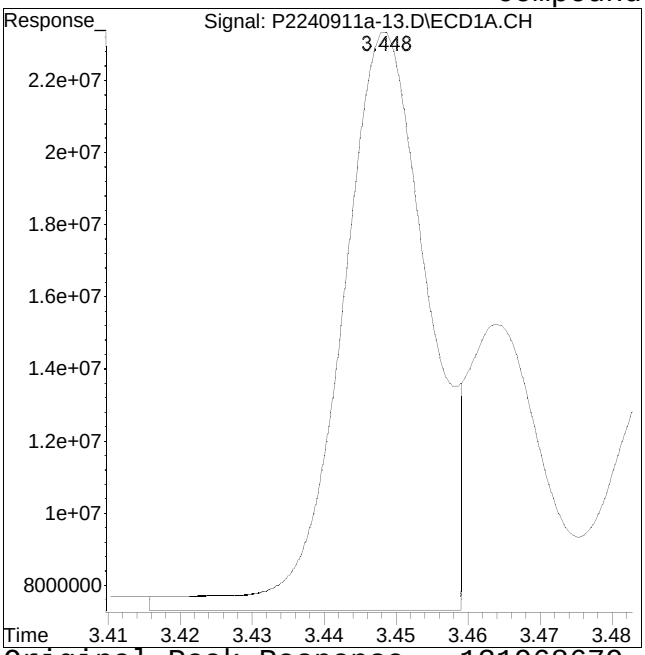


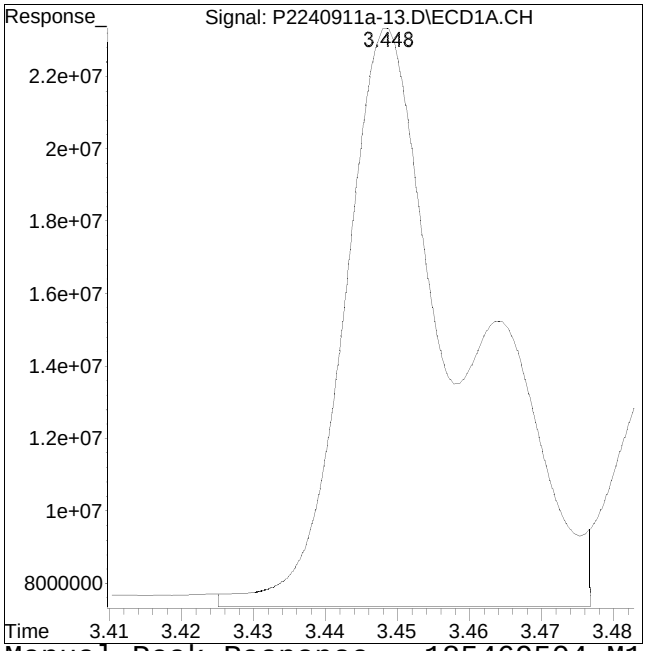
Original Peak Response = 290073089 Manual Peak Response = 271464386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #13: 1260-5



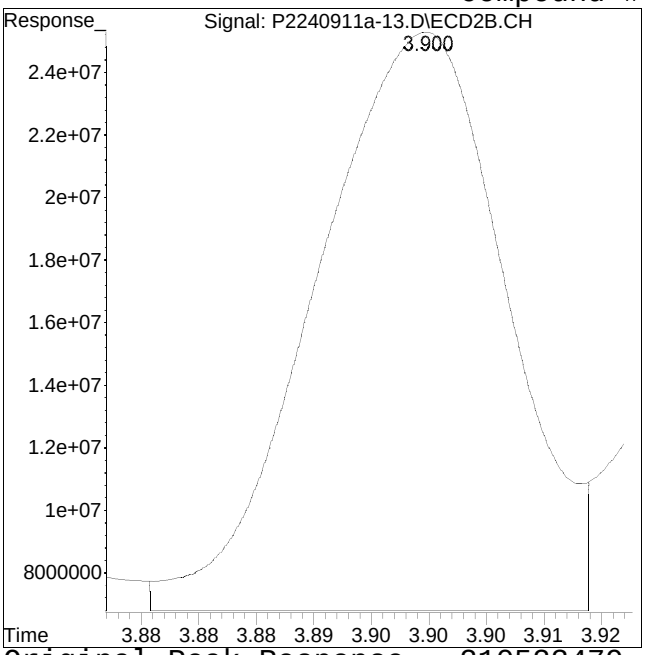


Original Peak Response = 131968679 Manual Peak Response = 185469504 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

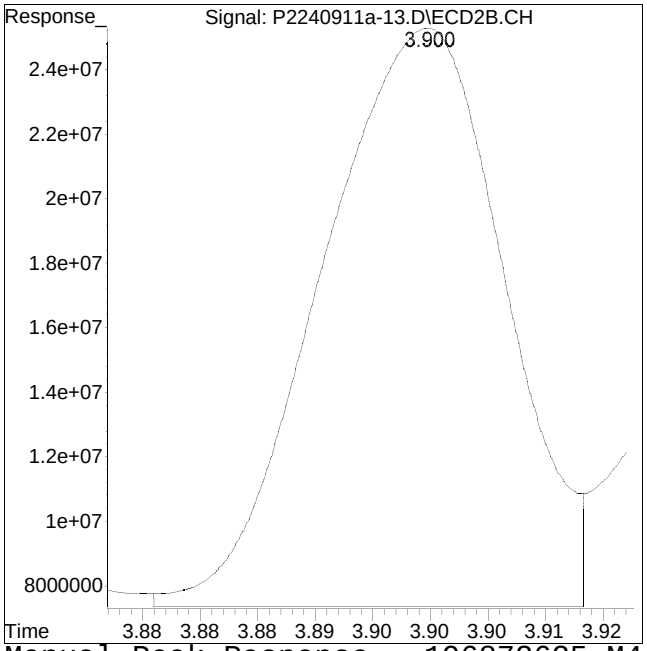
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-13.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:47 Instrument : Pest 2
Sample : WG1968961-2,42,, Quant Date : 9/11/2024 2:35 pm

Compound #64: 1260-5 #2



Original Peak Response = 210523479



Manual Peak Response = 196872625 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:56
Operator : pest2:meo
Sample : WG1968961-3,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:48 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.187	1.254	197.0E6	174.9E6	25.000M4	25.000M4
Standard Area 1 : #1 = 166941545				Recovery =	118.03%	
Standard Area 1 : #2 = 154985125				Recovery =	112.85%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.469	1.625	143.7E6	157.2E6	9.585M4	10.628M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	47.93%	53.14%
3) s Decachlorobi	4.027	4.549	151.4E6	136.4E6	13.619M4	14.720M4
Spiked Amount	20.000	Range 30 - 150		Recovery =	68.09%	73.60%
Target Compounds						
4) l1 1016-1	1.606	1.825	39046167	45813323	148.958M4	173.549M4
5) l1 1016-2	1.747	1.995	84450617	95279088	146.740M4	164.388M4
6) l1 1016-3	1.935	2.196	181.3E6	185.5E6	155.518M4	160.166M4
7) l1 1016-4	1.989	2.256	80710378	76301914	167.068M4	165.744M4
8) l1 1016-5	2.158	2.466	75541048	61052645	143.571M4	165.392M4
Sum 1016-1			461.1E6	464.0E6	761.855	829.239
Average 1016-1					152.371	165.848
9) l2 1260-1	2.699	3.075	108.3E6	123.8E6	147.177M4	178.857M4
10) l2 1260-2	2.829	3.176	173.6E6	146.6E6	155.997M4	177.781M4
11) l2 1260-3	3.143	3.568	106.3E6	123.8E6	154.040M4	183.235M4
12) l2 1260-4	3.298	3.698	237.0E6	233.8E6	154.065M4	172.439M4
13) l2 1260-5	3.445	3.899	171.1E6	171.4E6	156.717M1	174.810M4
Sum 1260-1			796.4E6	799.4E6	767.995	887.121
Average 1260-1					153.599	177.424
Sum 1221-2			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:56
Operator : pest2:meo
Sample : WG1968961-3,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:48 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240911a\P2240911a-07.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

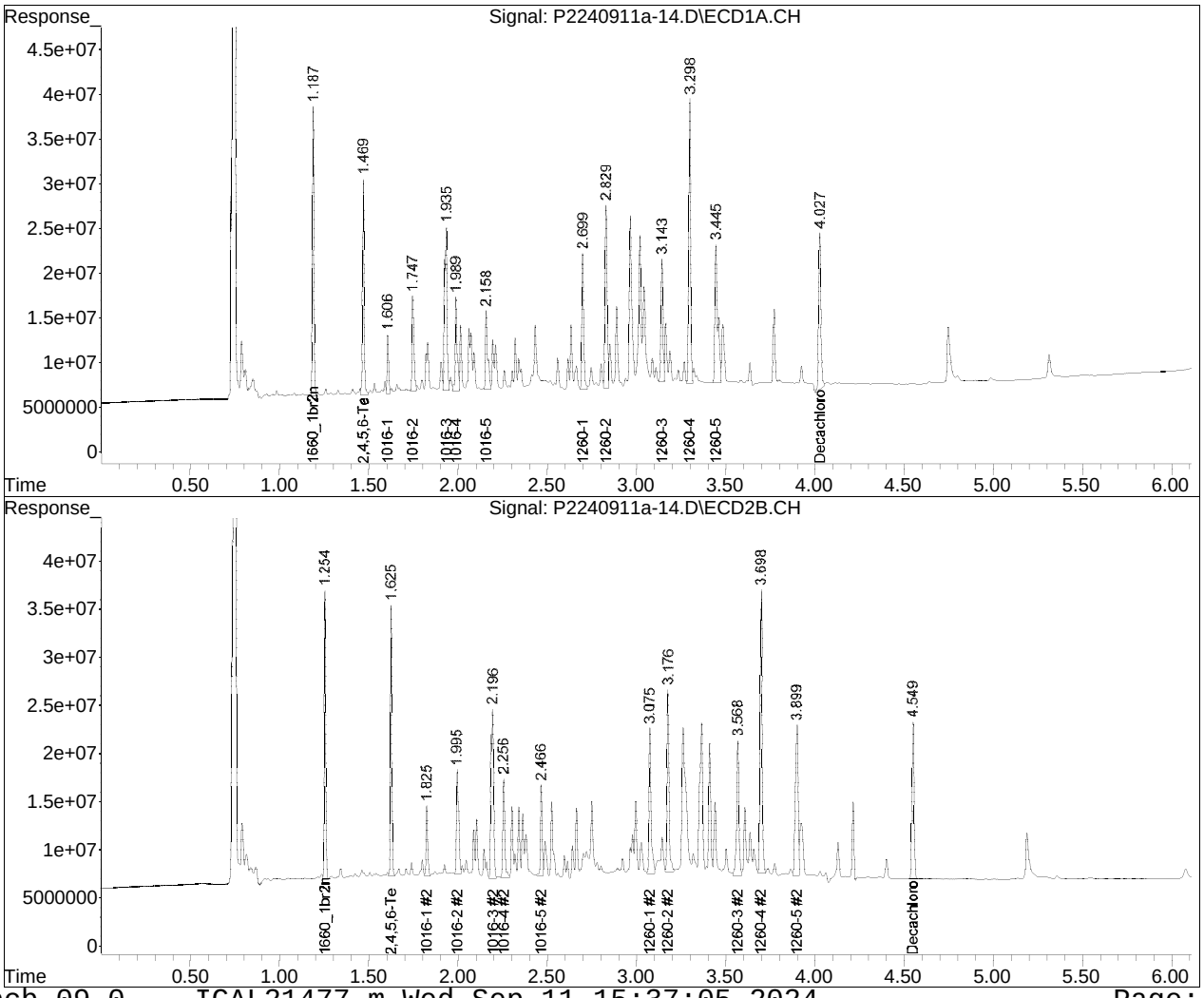
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240911a\P2240911a-07.D•

Data Path : I:\PCB\Pest2\2024\240911a\
Data File : P2240911a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Sep 2024 10:56
Operator : pest2:meo
Sample : WG1968961-3,42,,
Misc : wg1970214,WG1968961,ical21477
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 11 14:35:48 2024
Quant Method : I:\PCB\Pest2\2024\240911A\P2_pcb_09_09_24_LVI_4ppb_ugL_ICAL2
... 1477.m
Quant Title : pcb
QLast Update : Tue Sep 10 12:23:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

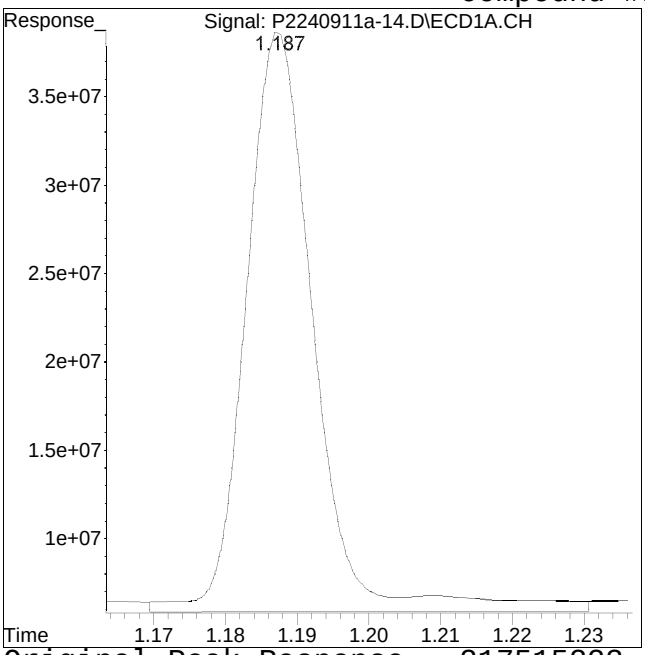
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

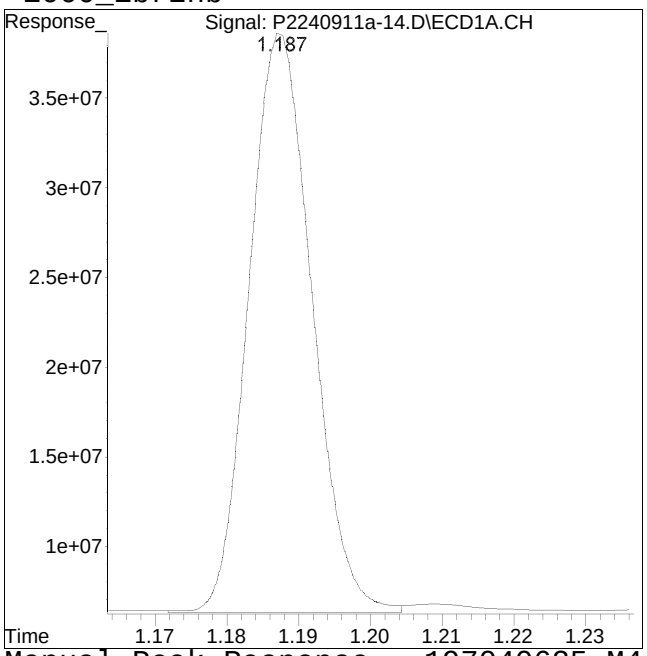


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #1: 1660_1br2nb



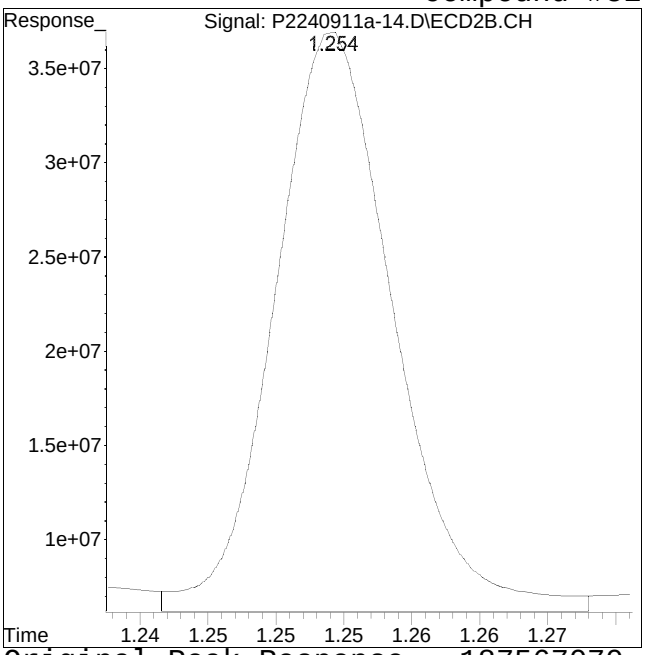


Original Peak Response = 217515223 Manual Peak Response = 197040625 M4
M4 = Poor automated baseline construction.

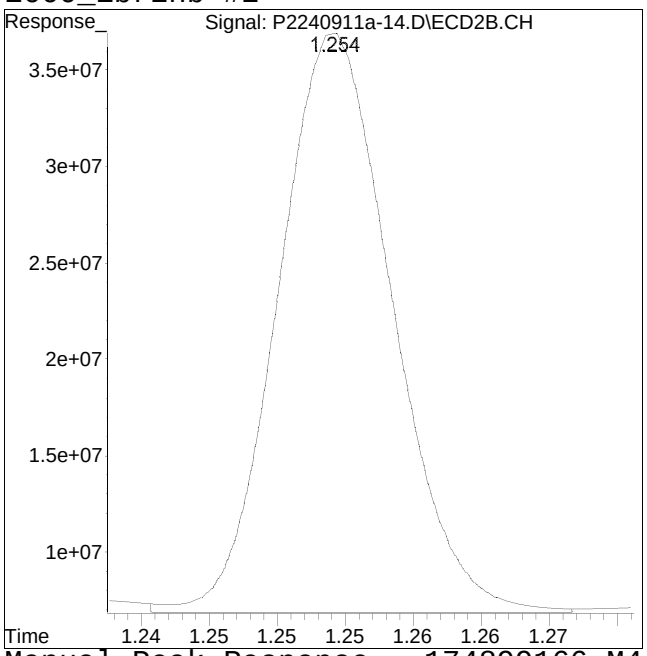
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 187567070



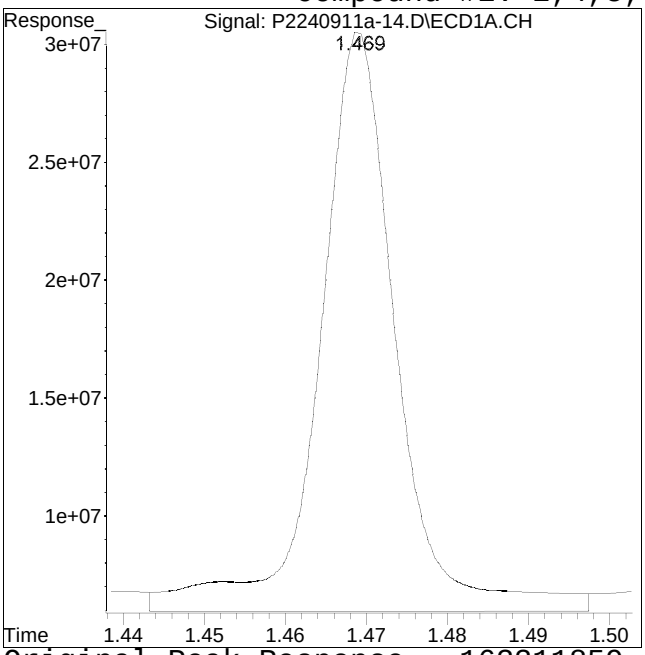
Manual Peak Response = 174899166 M4

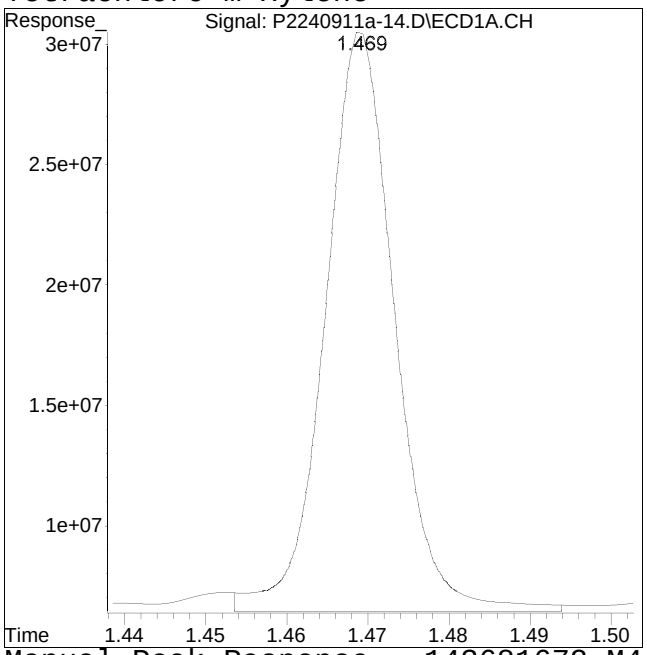
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



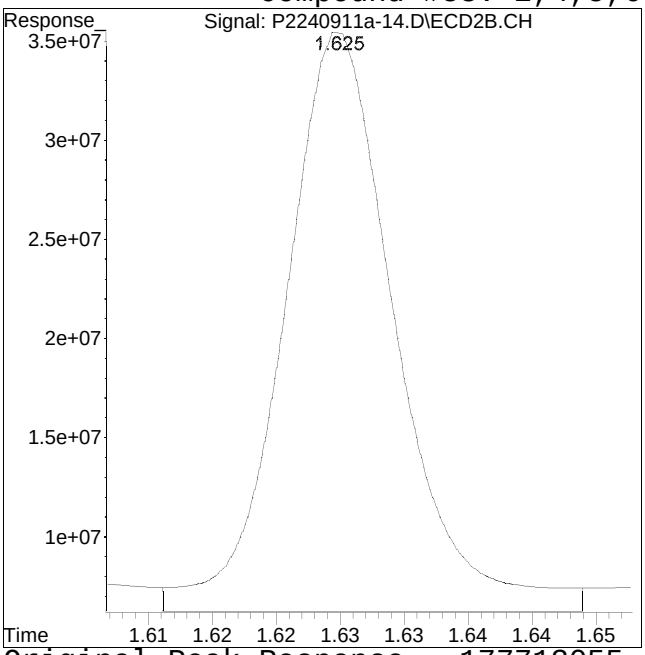


Original Peak Response = 163311859 Manual Peak Response = 143681672 M4
M4 = Poor automated baseline construction.

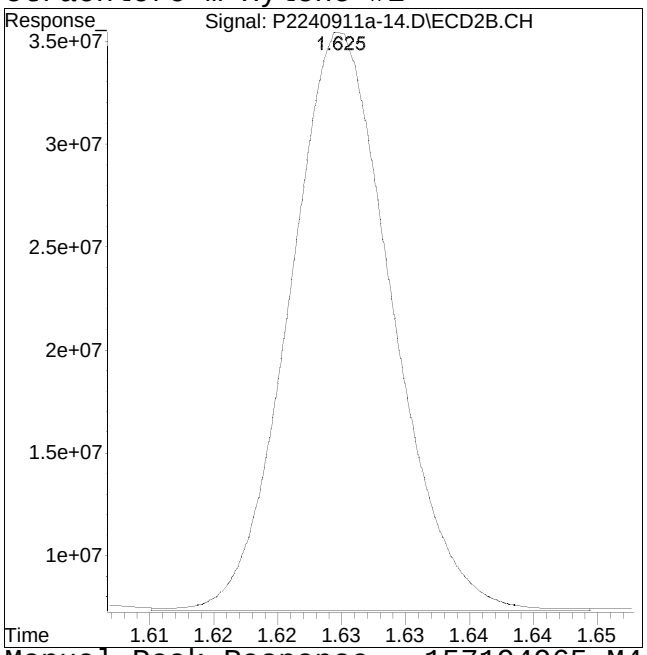
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 177713055



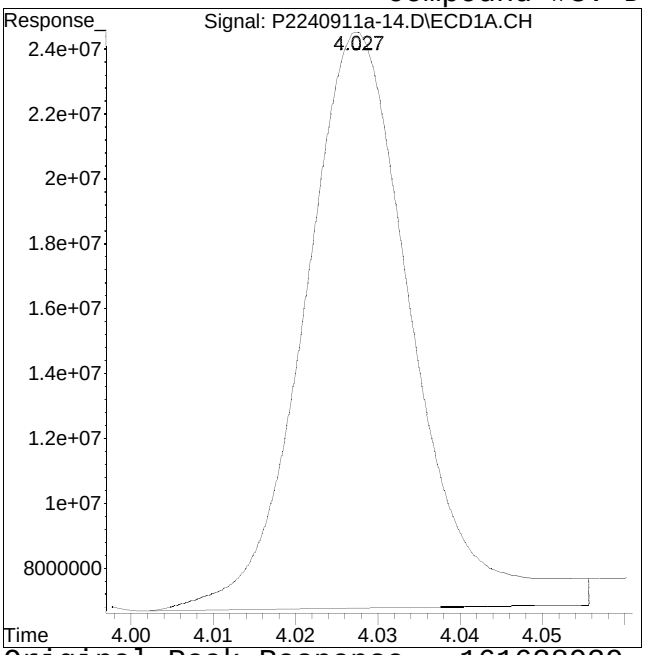
Manual Peak Response = 157194965 M4

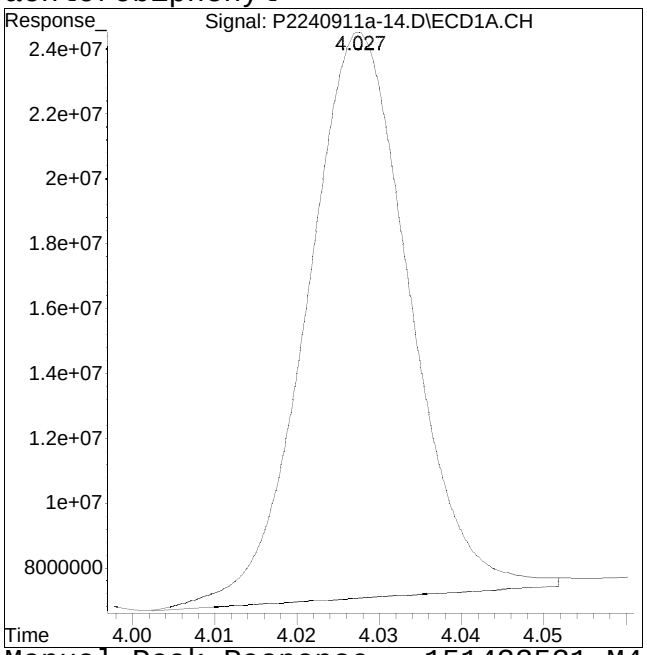
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #3: Decachlorobiphenyl



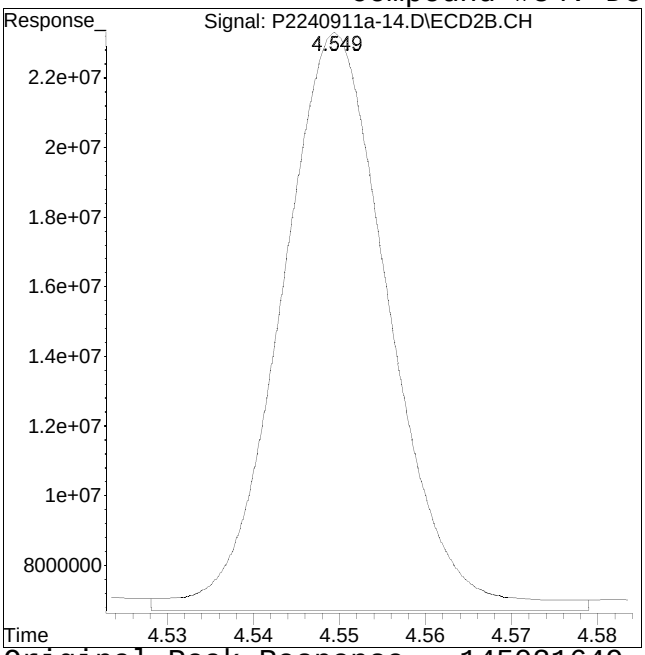


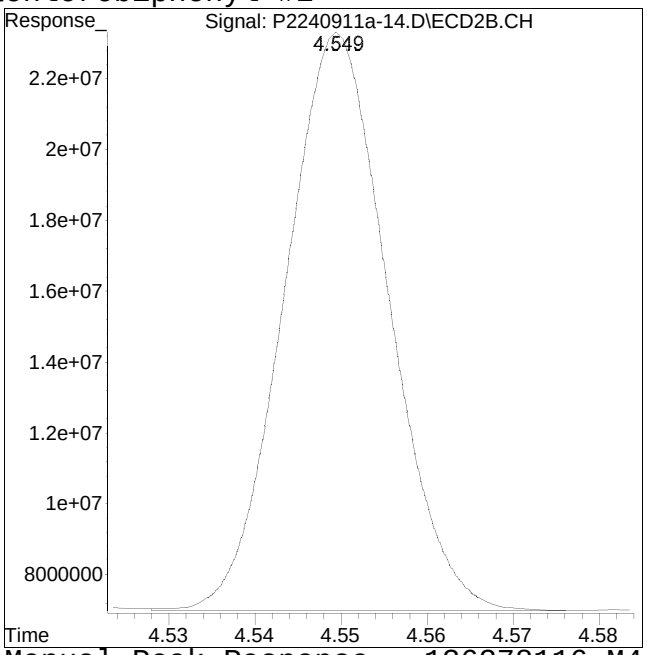
Original Peak Response = 161638939 Manual Peak Response = 151433531 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #54: Decachlorobiphenyl #2



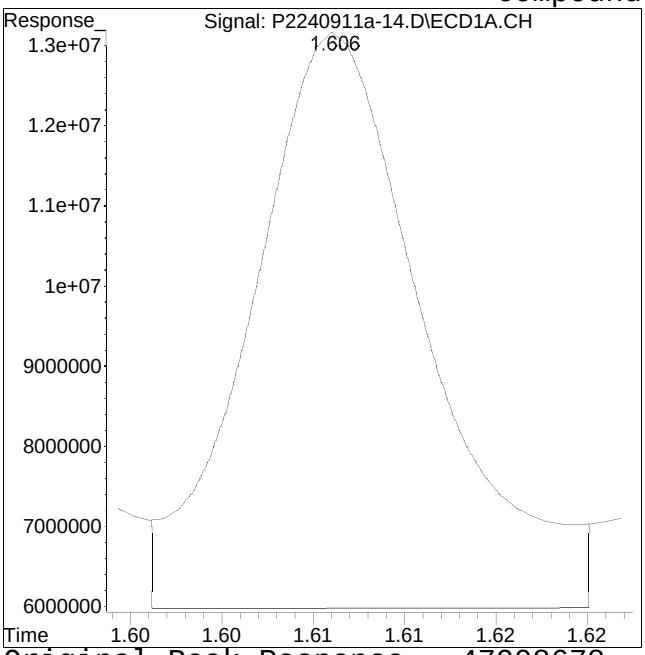


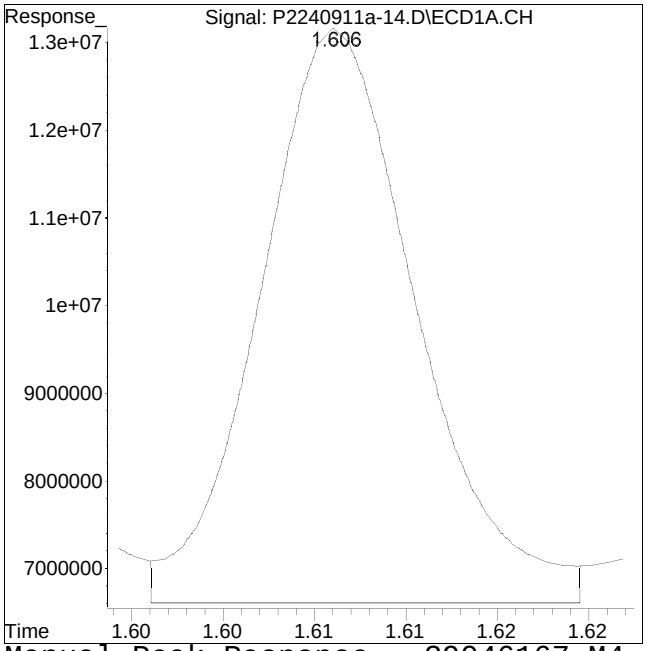
Original Peak Response = 145021649 Manual Peak Response = 136378116 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #4: 1016-1



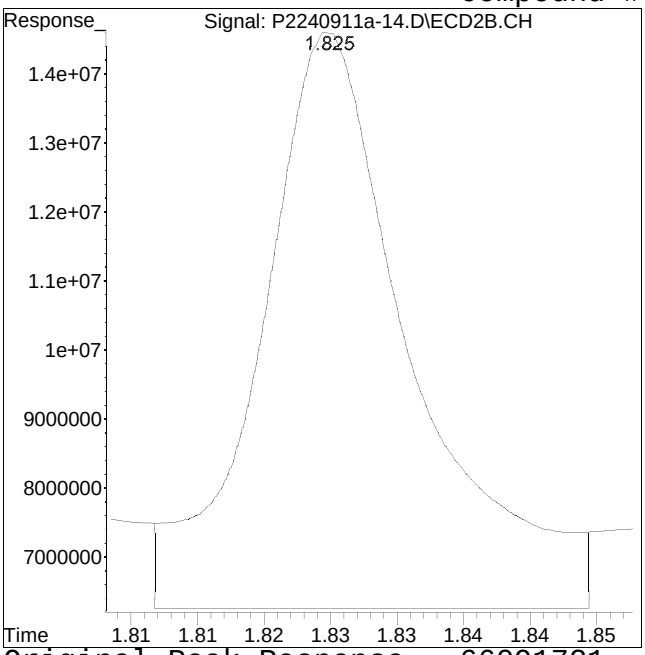


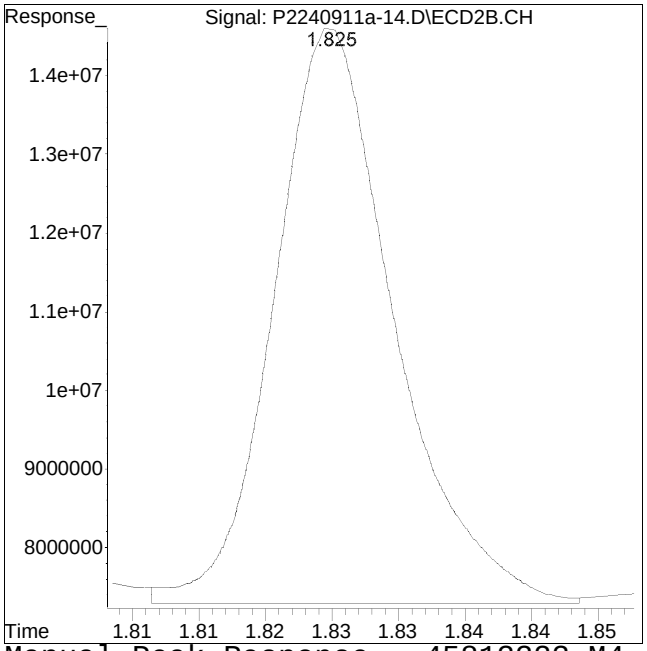
Original Peak Response = 47908678 Manual Peak Response = 39046167 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #55: 1016-1 #2



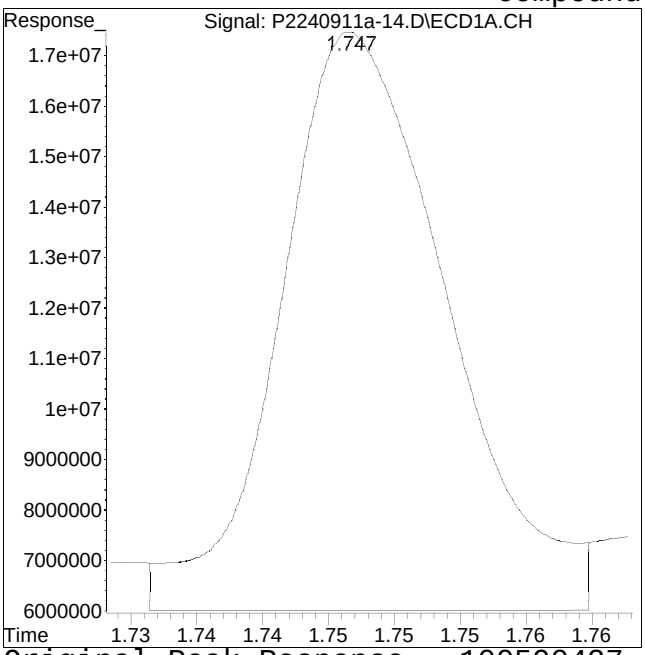


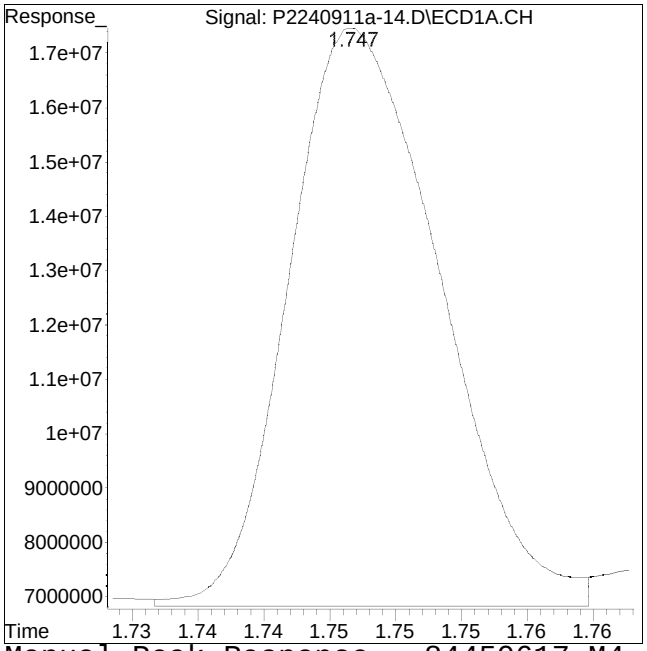
Original Peak Response = 66091721 Manual Peak Response = 45813323 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #5: 1016-2



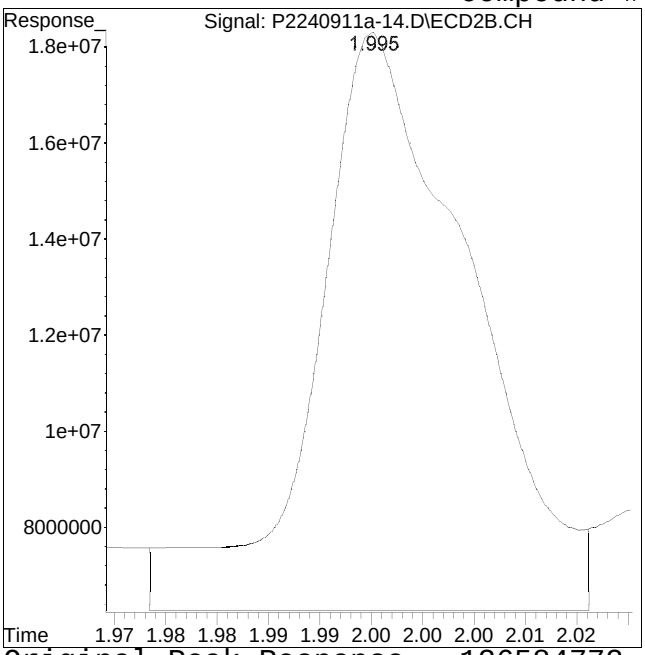


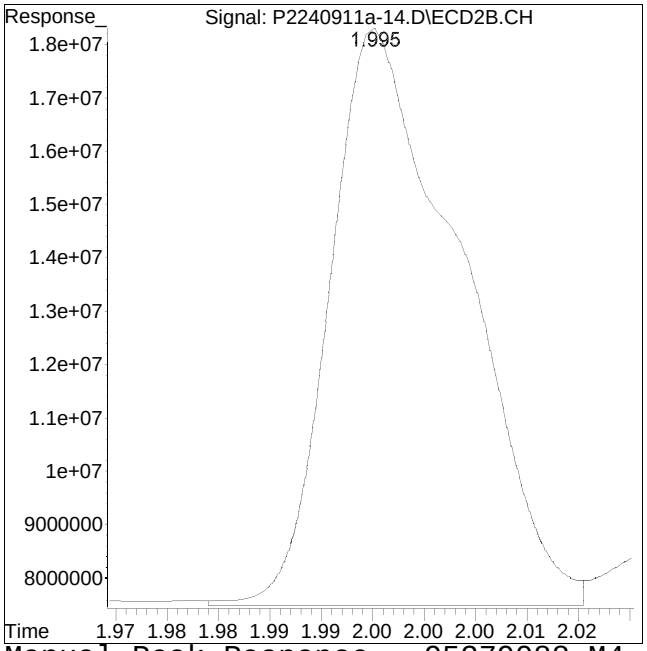
Original Peak Response = 100590427 Manual Peak Response = 84450617 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #56: 1016-2 #2



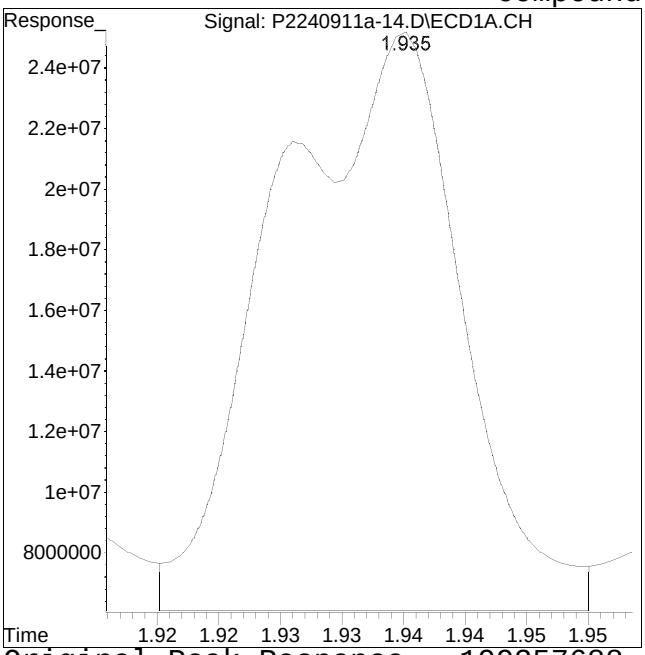


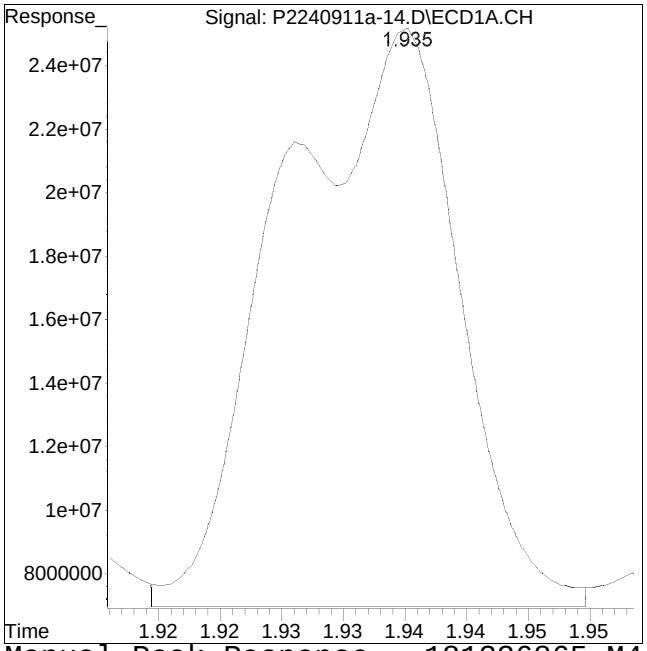
Original Peak Response = 126584772 Manual Peak Response = 95279088 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #6: 1016-3



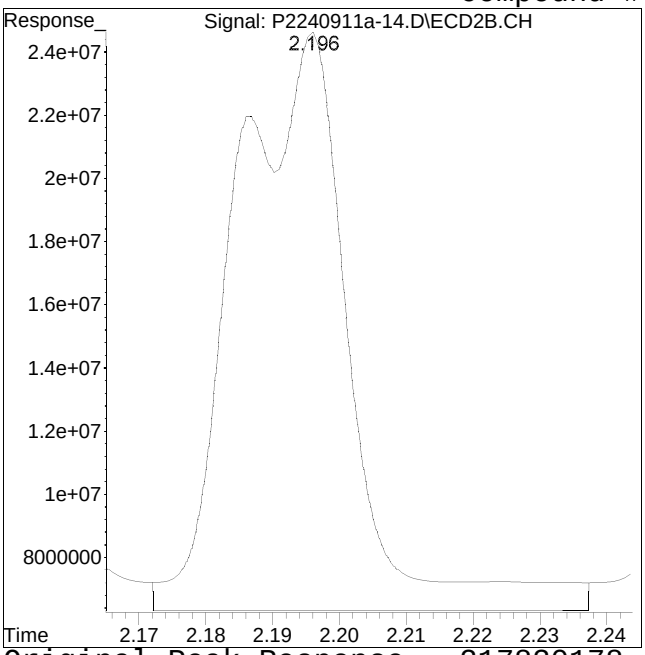


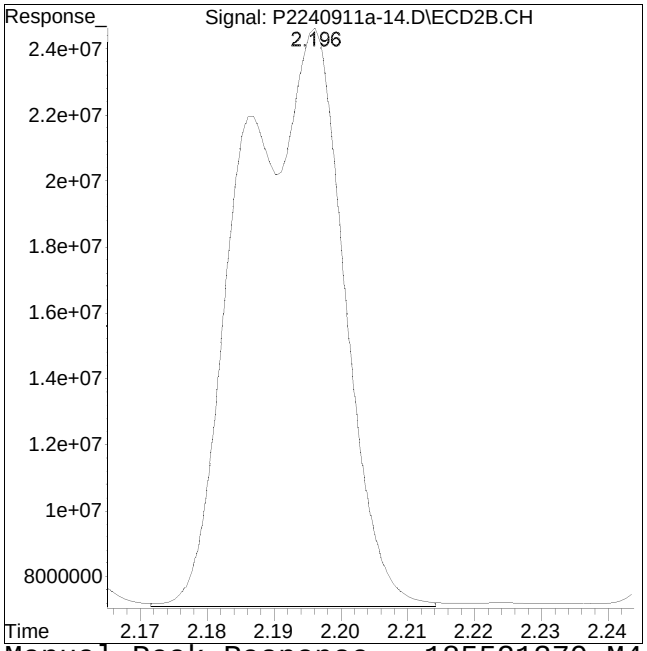
Original Peak Response = 199357688 Manual Peak Response = 181336865 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #57: 1016-3 #2



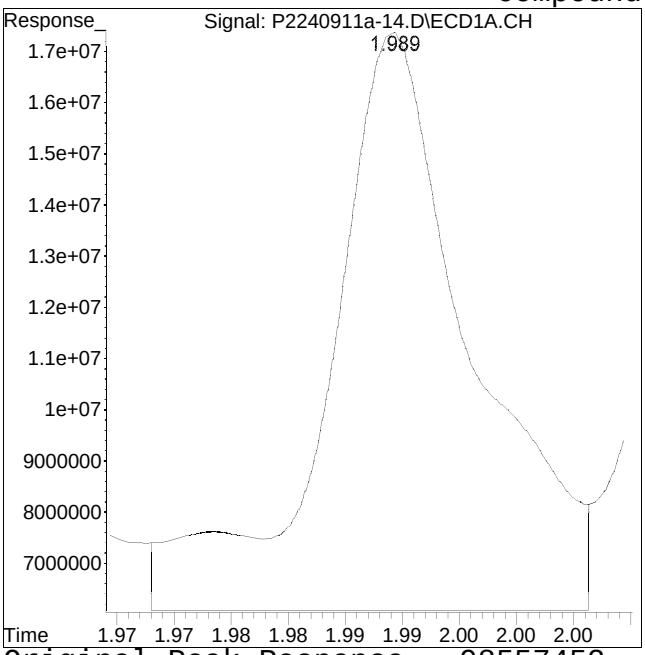


Original Peak Response = 217830178 Manual Peak Response = 185521370 M4
M4 = Poor automated baseline construction.

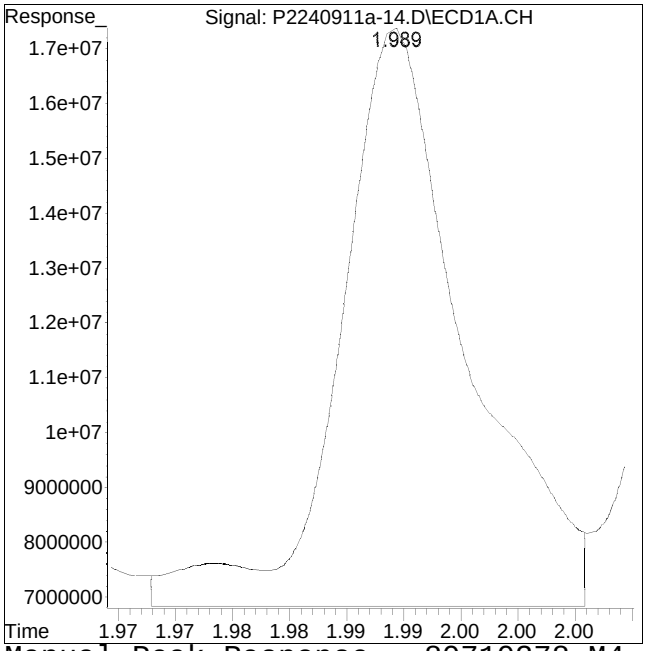
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #7: 1016-4



Original Peak Response = 98557452



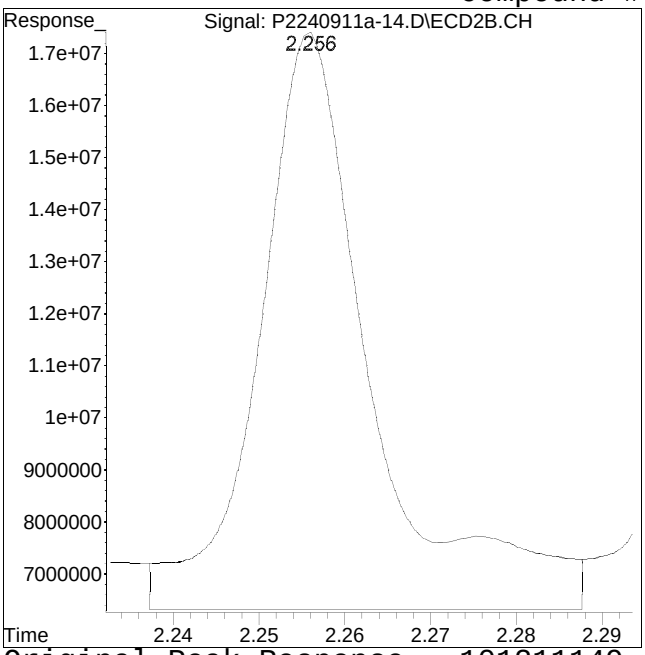
Manual Peak Response = 80710378 M4

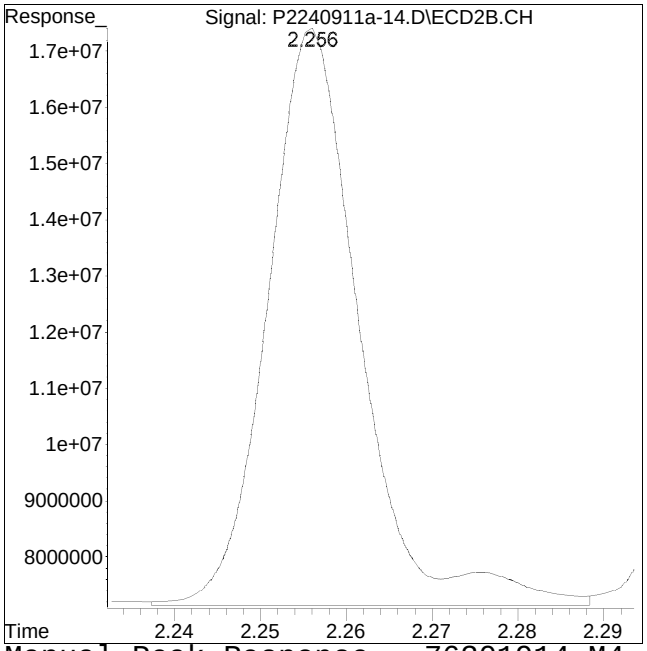
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #58: 1016-4 #2



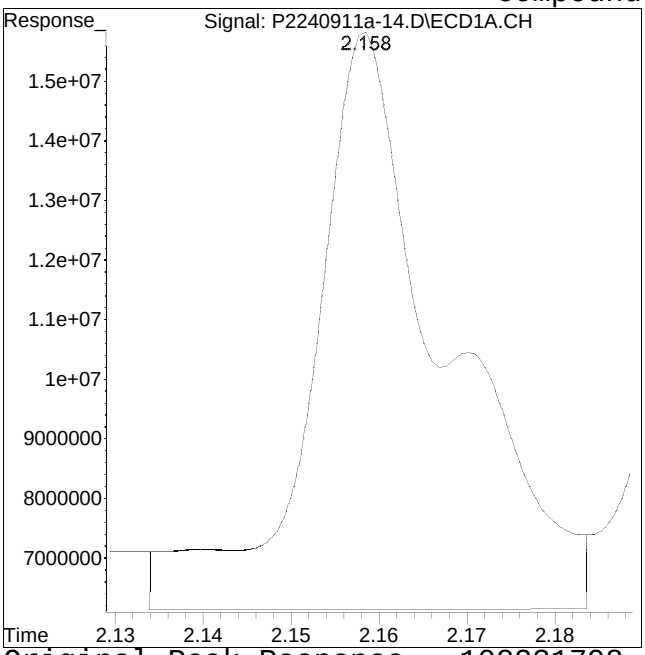


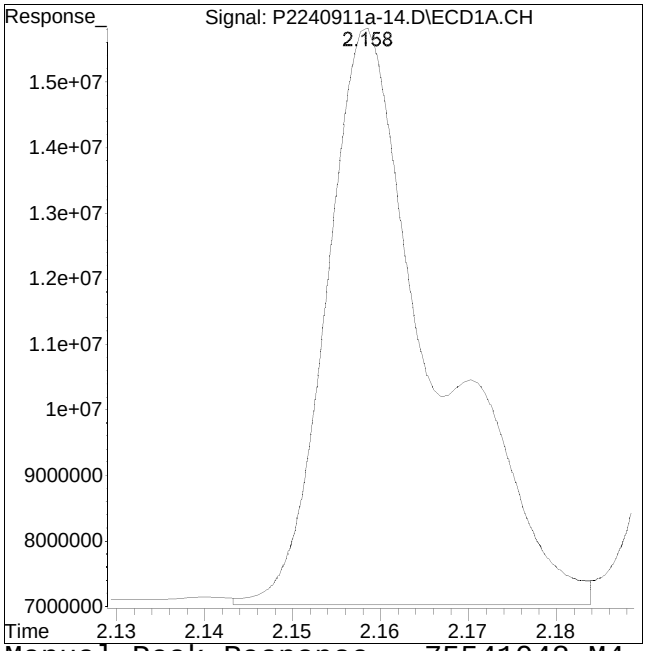
Original Peak Response = 101211149 Manual Peak Response = 76301914 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #8: 1016-5



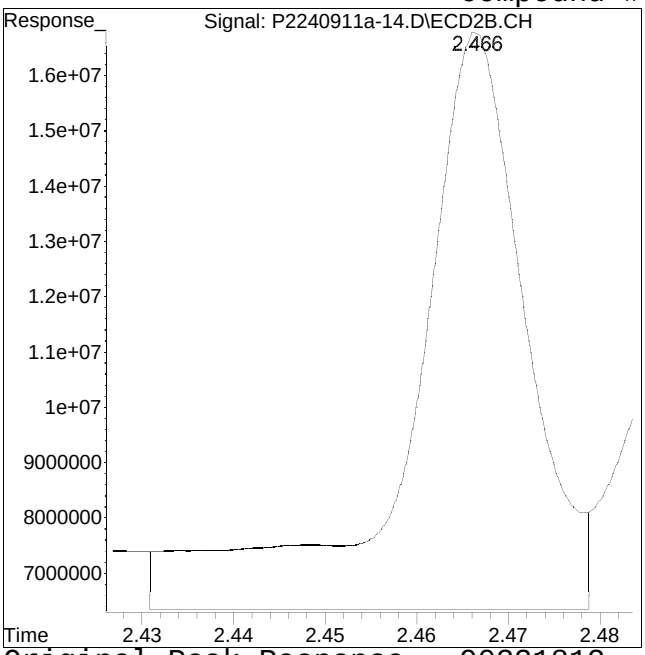


Original Peak Response = 102231798 Manual Peak Response = 75541048 M4
M4 = Poor automated baseline construction.

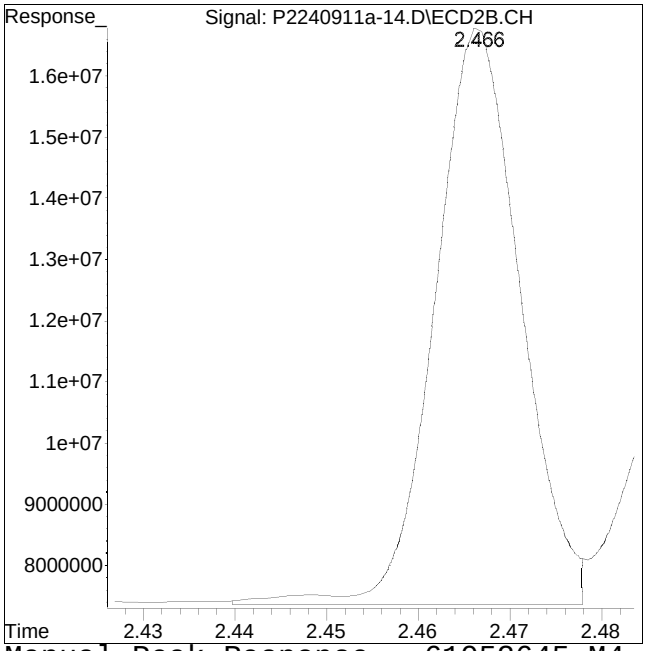
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #59: 1016-5 #2



Original Peak Response = 90331812



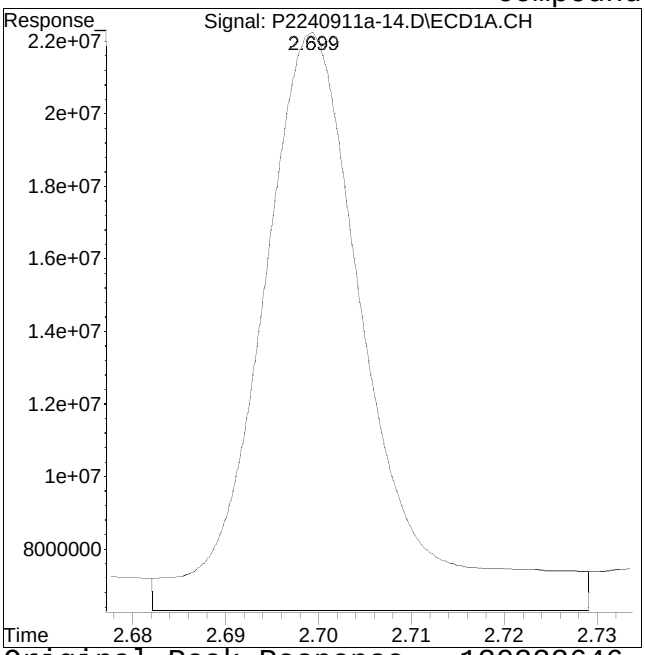
Manual Peak Response = 61052645 M4

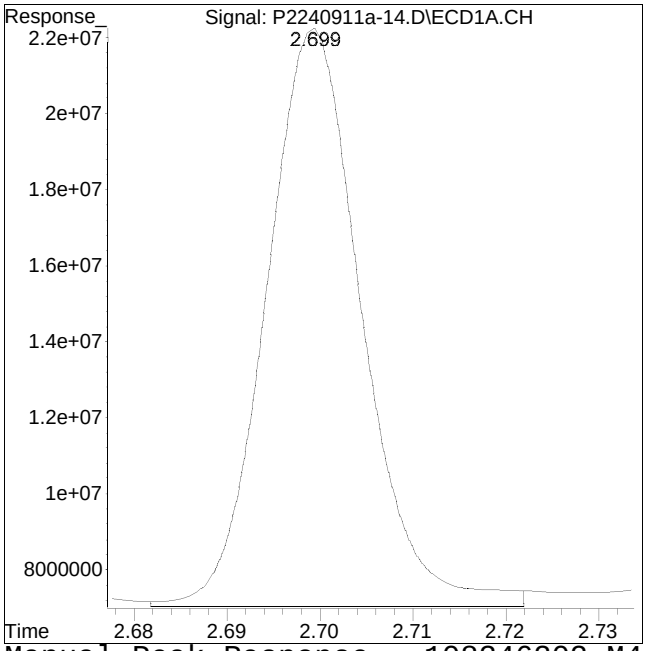
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #9: 1260-1



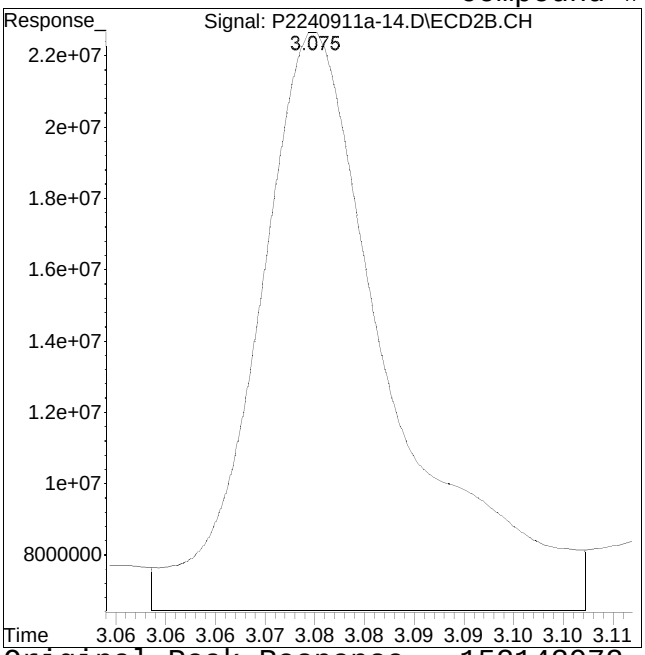


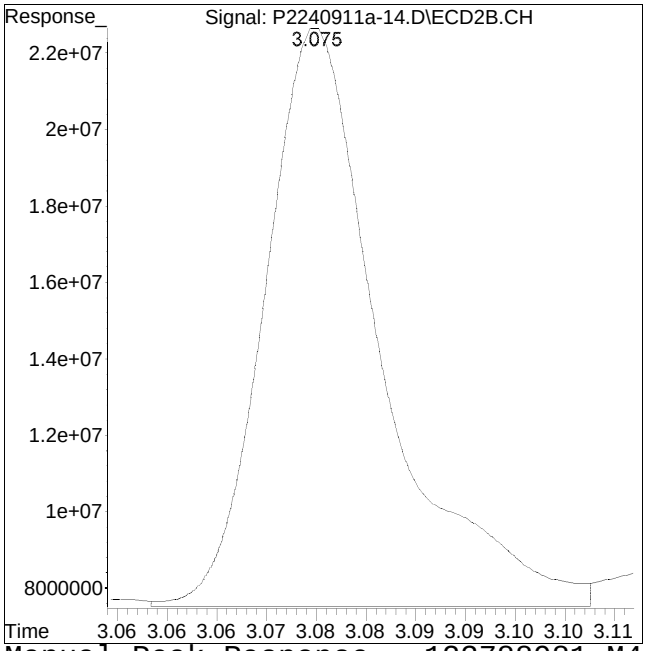
Original Peak Response = 130322646 Manual Peak Response = 108346202 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #60: 1260-1 #2



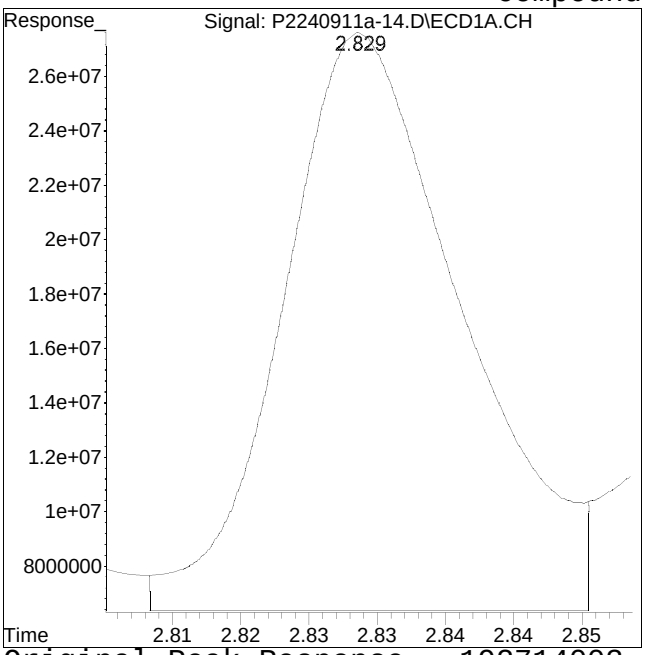


Original Peak Response = 152142972 Manual Peak Response = 123788981 M4
M4 = Poor automated baseline construction.

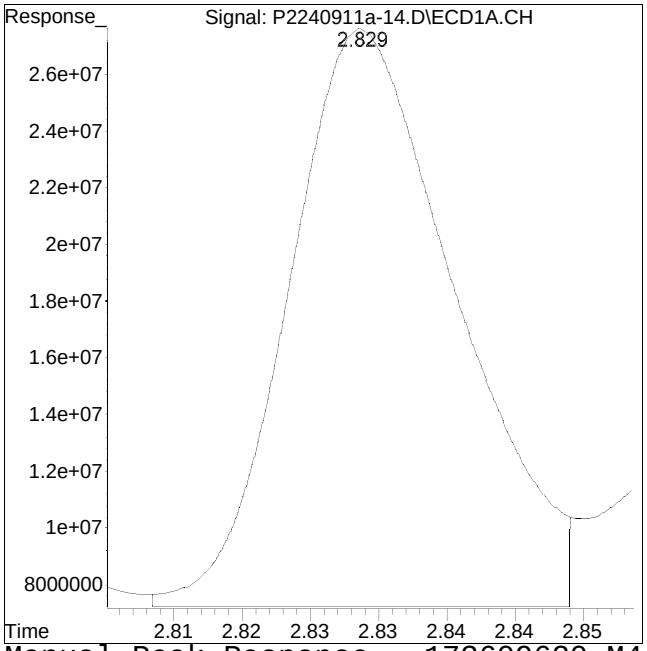
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #10: 1260-2



Original Peak Response = 192714003



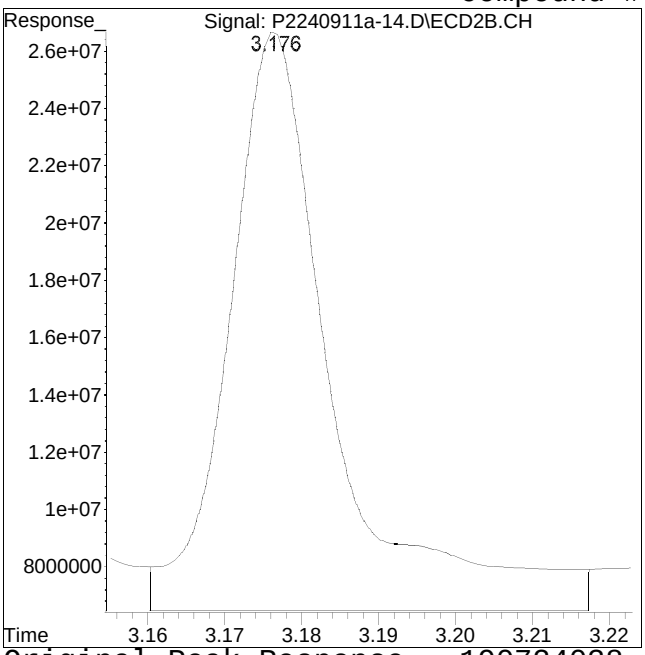
Manual Peak Response = 173609620 M4

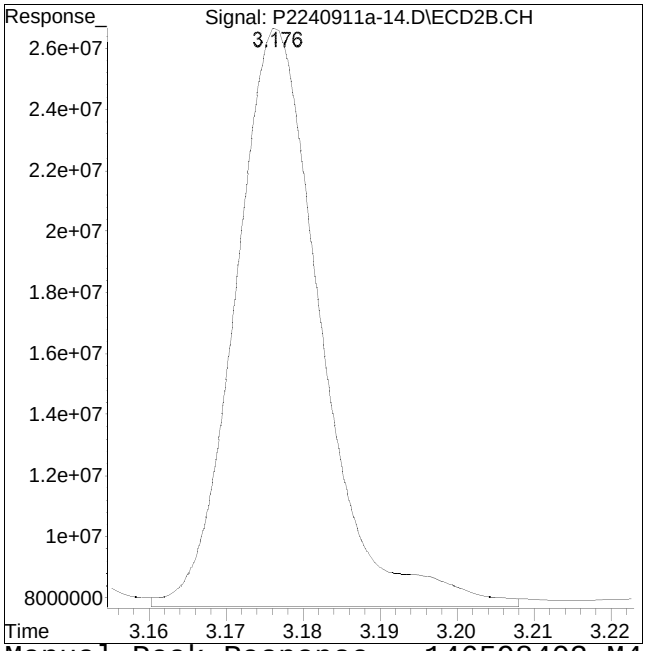
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #61: 1260-2 #2



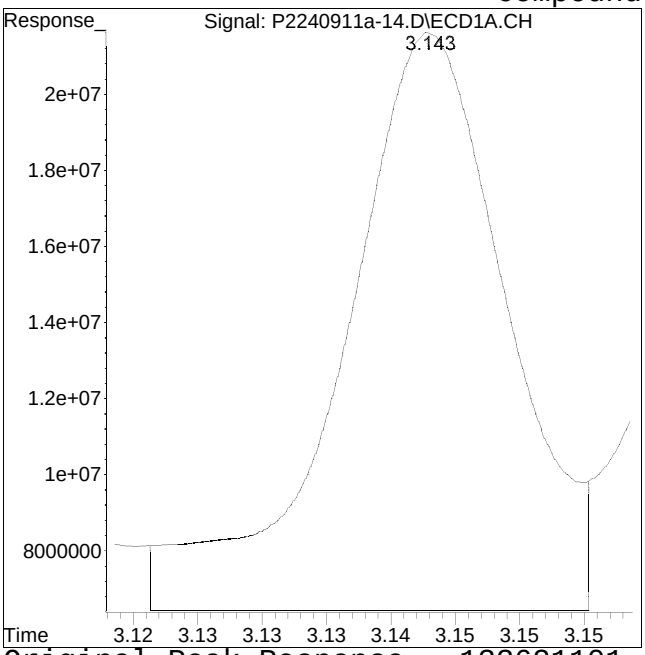


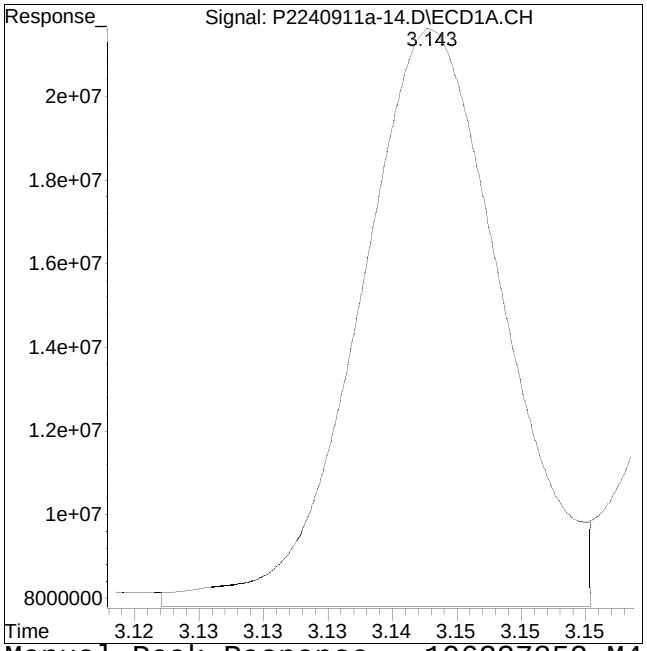
Original Peak Response = 190724038 Manual Peak Response = 146598403 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #11: 1260-3



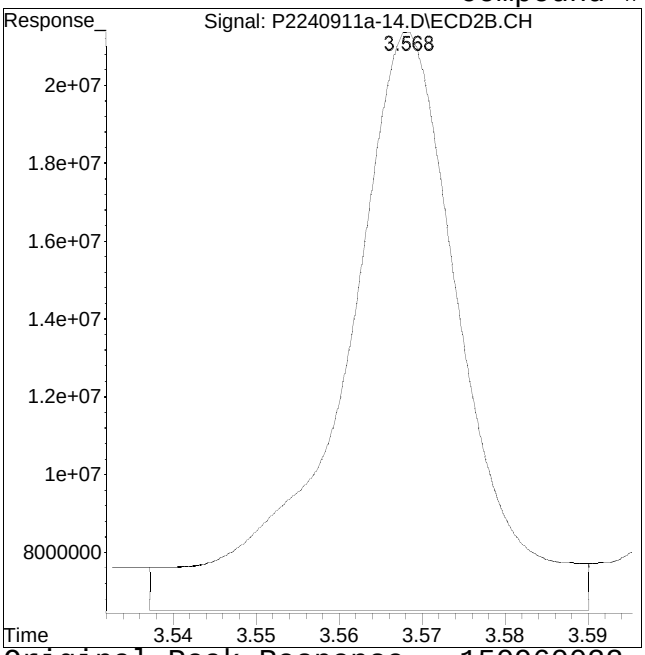


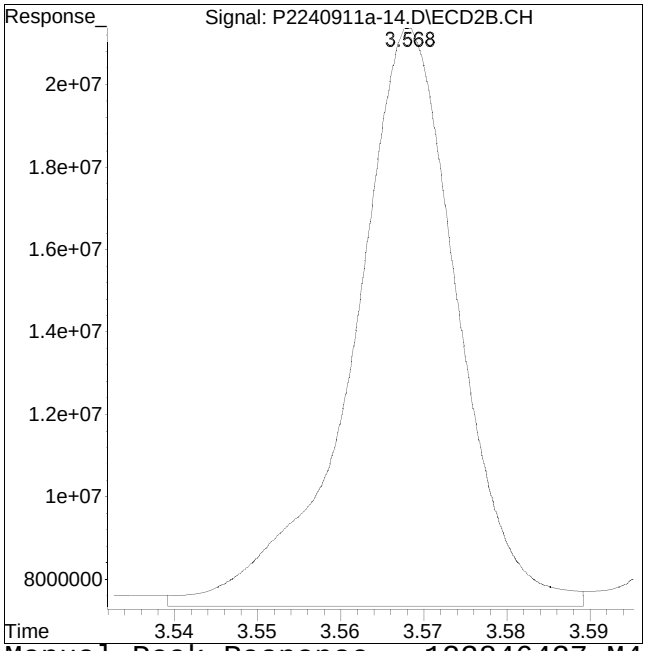
Original Peak Response = 133621101 Manual Peak Response = 106337852 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #62: 1260-3 #2



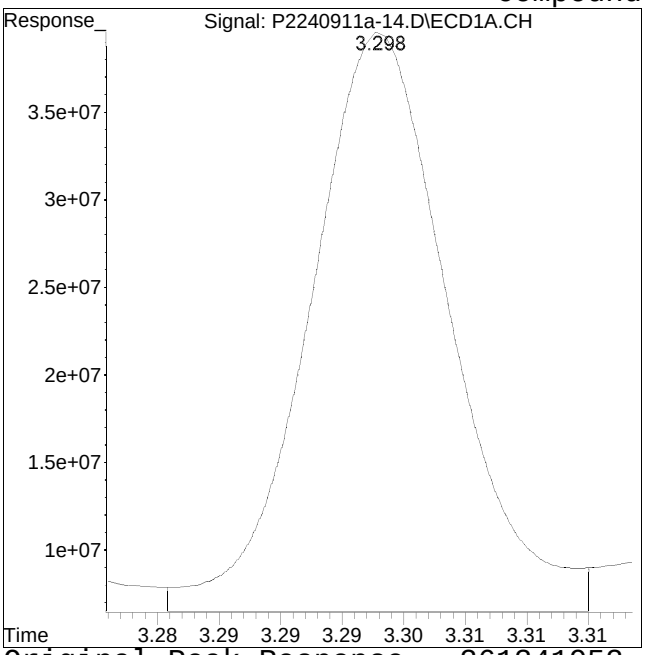


Original Peak Response = 150960022 Manual Peak Response = 123846437 M4
M4 = Poor automated baseline construction.

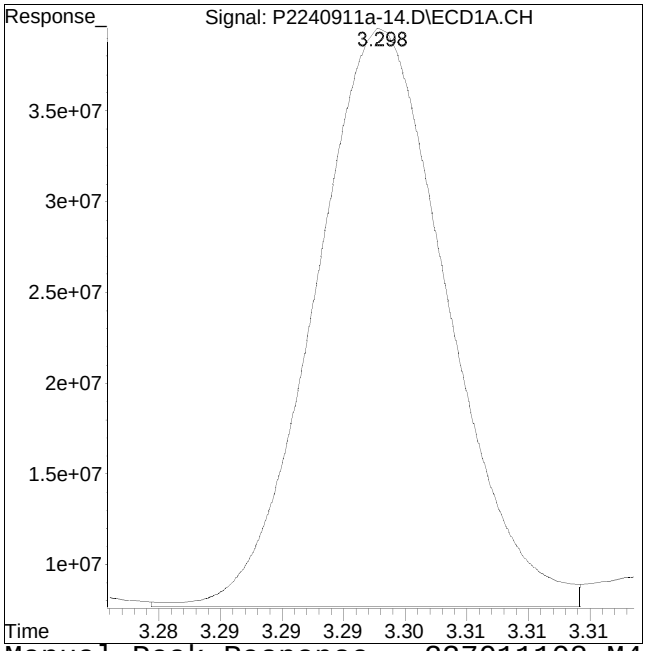
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #12: 1260-4



Original Peak Response = 261341952



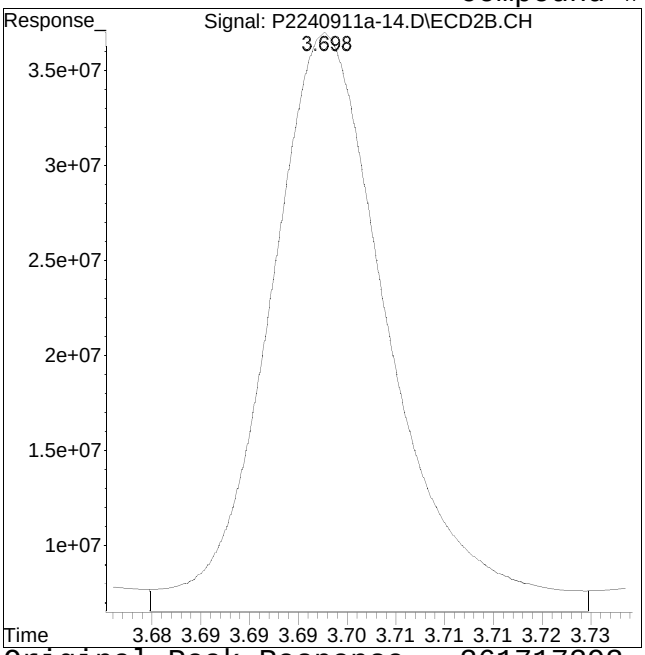
Manual Peak Response = 237011108 M4

M4 = Poor automated baseline construction.

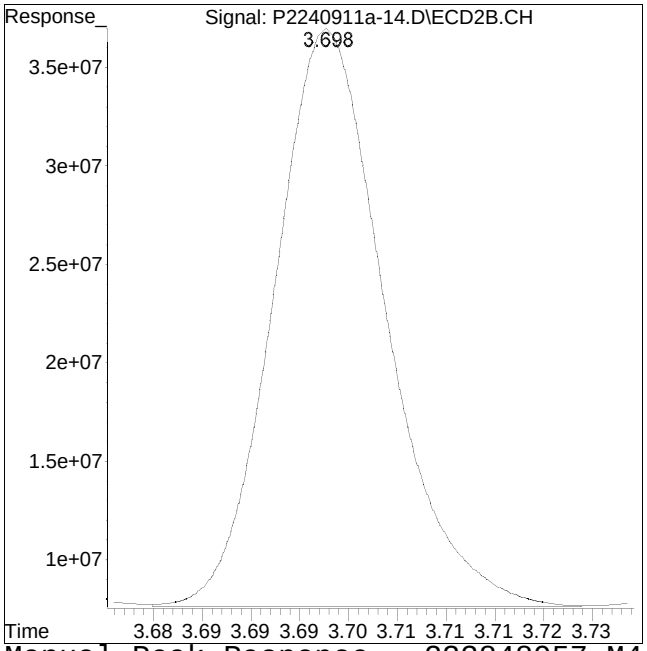
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #63: 1260-4 #2



Original Peak Response = 261717393



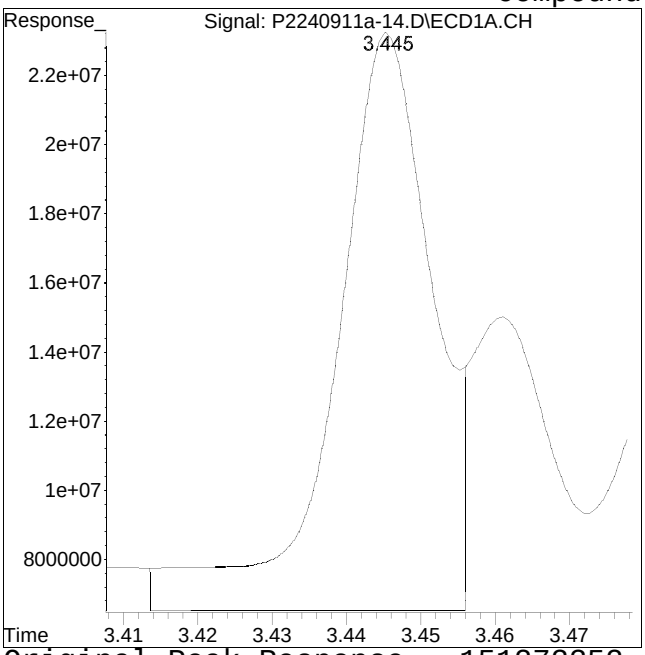
Manual Peak Response = 233848957 M4

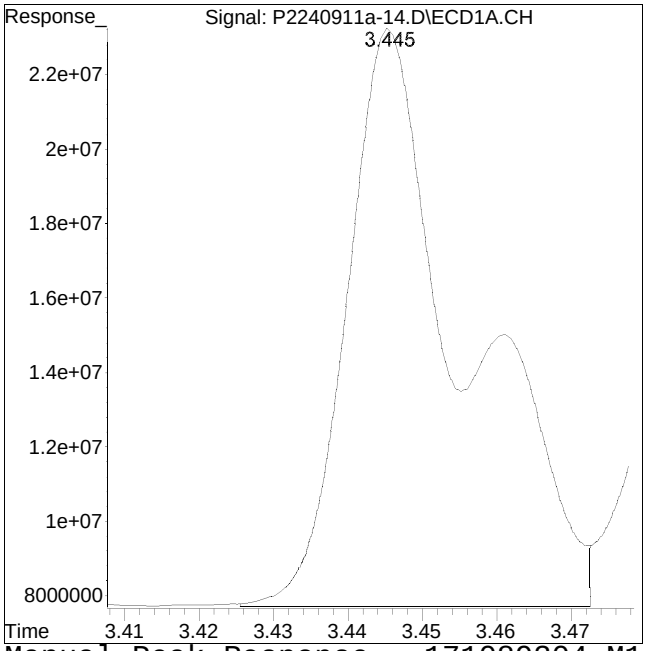
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #13: 1260-5



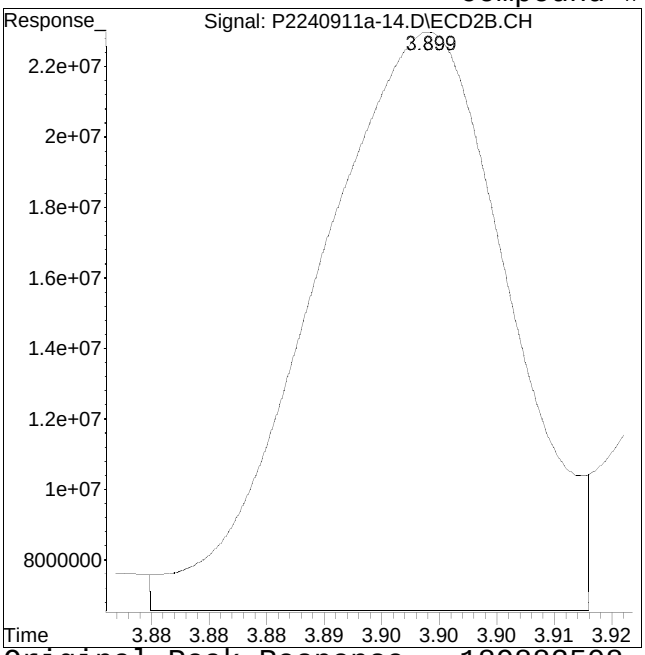


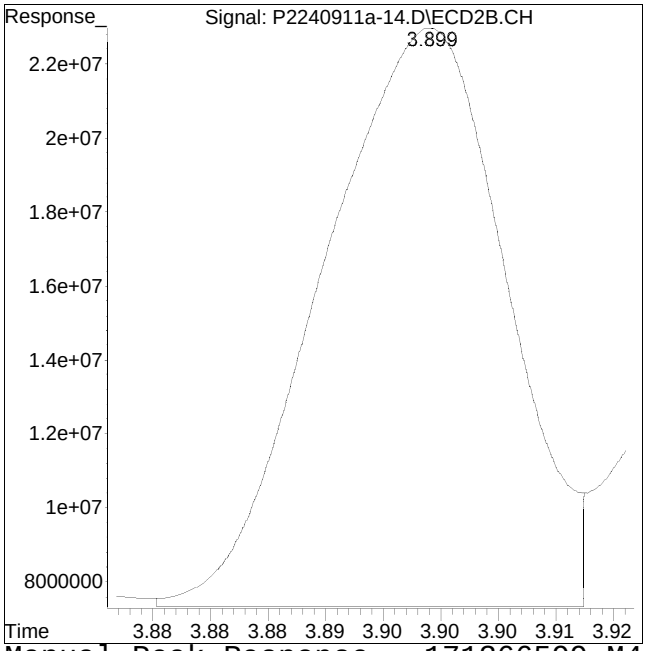
Original Peak Response = 151272352 Manual Peak Response = 171089304 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240911a\QMethod : P2_pcb_09_09_24_LVI_4ppb
Data File : P2240911a-14.D Operator : pest2:meo
Date Inj'd : 9/11/2024 10:56 Instrument : Pest 2
Sample : WG1968961-3,42,, Quant Date : 9/11/2024 2:35 pm

Compound #64: 1260-5 #2





Original Peak Response = 189882508 Manual Peak Response = 171366599 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_2
Date: **09/09/24**
Run: I

Method: 8082
GC: PCB 608

Seq: WG1969792
ICAL21477 IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240909i-01	blank				
1	P2240909i-02	blank				
1	P2240909i-03	blank				
2	P2240909i-04	il54268,42e,,pp 11644 L250LVI				kb/sdc 9/10
3	P2240909i-05	il53262,42e,,pp 11646 L250LVI				kb/sdc 9/10
4	P2240909i-06	il51248,42e,,pp 11648 L250LVI				kb/sdc 9/10
5	P2240909i-07	il52154,42e,,pp 11650 L250LVI				kb/sdc 9/10
6	P2240909i-08	il11660,42e,,pp 11664 L4LVI				
7	P2240909i-09	il21660,42e,,pp 11664 L10LVI				kb/sdc 9/10
8	P2240909i-10	il31660,42e,,pp 11664 L50LVI				kb/sdc 9/10
9	P2240909i-11	il41660,42e,,pp 11664 L100LVI				kb/sdc 9/10
10	P2240909i-12	il51660,42e,,pp 11664 L250LVI				kb/sdc 9/10
11	P2240909i-13	il61660,42e,,pp 11664 L500LVI				kb/sdc 9/10
12	P2240909i-14	il71660,42e,,pp 11664 L1000LVI				kb/sdc 9/10
13	P2240909i-15	cicv4268,42,,pp11623				kb/sdc 9/10
14	P2240909i-16	cicv3262,42,,pp11622				kb/sdc 9/10
15	P2240909i-17	cicv1248,42,,pp11620				kb/sdc 9/10
16	P2240909i-18	cicv2154,42,,pp11619				kb/sdc 9/10
17	P2240909i-19	cicv1660,42,,pp11621			AD	kb/sdc 9/10

Dep.: PCB
Inst: Pest_2
Date: **09/11/24**
Run: a

Method: 8082
GC: PCB 608

Seq: wg1970214
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
6	P2240911a-06	blank				
7	P2240911a-07	+1660 lvi icv,,,pp 11621	15% 9:10 sdc 214-1			
8	P2240911a-08	blank				meo 9/11
9	P2240911a-09	+2154 lvi icv,,,pp 11619	pass			
10	P2240911a-10	+1248 lvi icv,,,pp 11620	A-pass, B-high			
11	P2240911a-11	+4268 lvi icv,,,pp 11623	A-pass, B-high			
12	P2240911a-12	WG1968961-1,42,,		meo		meo 9/11
13	P2240911a-13	WG1968961-2,42,,				meo 9/11
14	P2240911a-14	WG1968961-3,42,,				meo 9/11
15	P2240911a-15	L2450417-01,42,,				meo 9/11
16	P2240911a-16	L2450417-02,42,,				meo 9/11
17	P2240911a-17	L2450417-03,42,,				meo 9/11
18	P2240911a-18	L2450417-04,42,,				meo 9/11
19	P2240911a-19	L2450417-06,42,, p				meo 9/11
20	P2240911a-20	WG1968961-4,42,, ms				meo 9/11
21	P2240911a-21	WG1968961-5,42,, msd				meo 9/11
22	P2240911a-22	L2450417-07,42,,				meo 9/11
23	P2240911a-23	L2450417-08,42,,				meo 9/11
24	P2240911a-24	L2450417-09,42,,				meo 9/11
25	P2240911a-25	L2450786-01,42,,				meo 9/11
26	P2240911a-26	L2450786-02,42,,				meo 9/11
27	P2240911a-27	L2450786-03,42,,				meo 9/11
28	P2240911a-28	L2450786-04,42,,				meo 9/11
29	P2240911a-29	L2450786-05,42,,				meo 9/11
30	P2240911a-30	L2450786-06,42,,				meo 9/11
31	P2240911a-31	L2450786-07,42,,				meo 9/11
32	P2240911a-32	L2450786-08,42,,				meo 9/11
33	P2240911a-33	L2450786-09,42,,				meo 9/11
34	P2240911a-34	L2450786-10,42,,				meo 9/11
35	P2240911a-35	L2450786-12,42,,			meo	meo 9/11
36	P2240911a-36	+1660 lvi icv,,,pp 11621	15% 14:22 meo 214-5			meo 9/11
37	P2240911a-37	blank				
38	P2240911a-38	+2154 lvi icv,,,pp 11619	pass			
39	P2240911a-39	+1248 lvi icv,,,pp 11620	pass			
40	P2240911a-40	+4268 lvi icv,,,pp 11623	pass			
41	P2240911a-41	blank				
42	P2240911a-42	L2451147-01,42,,,R3E				meo 9/11
43	P2240911a-43	L2451147-02,42,,,R3E				meo 9/11
44	P2240911a-44	L2450825-01,42,,				meo 9/11
45	P2240911a-45	L2450825-02,42,,				meo 9/11
46	P2240911a-46	L2450825-03,42,,				meo 9/11
47	P2240911a-47	L2450825-04,42,,				meo 9/11
48	P2240911a-48	L2450352-06,42,, rr1x				meo 9/11
49	P2240911a-49	L2451173-02,42,,,R1C				
50	P2240911a-50	L2450829-04,42,,				

Dep.: PCB
Inst: Pest_2
Date: **09/11/24**
Run: a

Method: 8082
GC: PCB 608

Seq: wg1970214
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
51	P2240911a-51	L2450829-06,42,,				
52	P2240911a-52	WG1969463-1,42,,				
53	P2240911a-53	WG1969463-2,42,,				
54	P2240911a-54	WG1969463-3,42,,				
55	P2240911a-55	L2451445-01,42,,,R3A				
56	P2240911a-56	L2451445-02,42,,,R3A				
57	P2240911a-57	L2451445-03,42,,,R3A				
58	P2240911a-58	L2451445-04,42,,,R3A				
59	P2240911a-59	L2451445-05,42,,,R3A				
60	P2240911a-60	L2451445-07,42,,,R3A				
61	P2240911a-61	L2451445-06,42,,,R3A				
62	P2240911a-62	L2422662-130,42,, p				
63	P2240911a-63	WG1969067-4,42,, ms			meo	
64	P2240911a-64	WG1969067-5,42,, dup			mhg	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 21 2024, 04:46 pm

Work Group: WG1968961 for Department: 2 Organic Preparation

Created: 08-SEP-24 Due: Operator: JJM

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450417-01	MW-4A	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-02	MW-4B	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-03	MW-3A	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-04	MW-3B	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-06	MW-2A	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-07	MW-2B	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-08	MW-9A	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450417-09	MW-9B	S	NYTCL-8082-LVI	WATER	DONE	U	0904	0911	S0	Amber-A.120
L2450786-01	MW-5A	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-02	MW-5B	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-03	MW-6A	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-04	MW-6B	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-05	MW-7A	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-06	MW-7B	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-07	MW-8A	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-08	MW-8B	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-09	MW-10A	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-10	MW-10B	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
L2450786-12	DUP	S	NYTCL-8082-LVI	WATER	DONE	U	0905	0911	S0	Amber-A.120
WG1968961-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1968961-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1968961-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1968961-4	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1968961-5	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG1968961-3	WG1968961-2
WG1968961-4	L2450417-06
WG1968961-5	L2450417-06

ORGANIC ELN REPORT

Workgroup: WG1968961

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** ej049
Surrogate Type: Pesticide/PCB **Lot #:** PP11723ac,02/06/2025,7c,5,4
Spike Type: PCB **Lot #:** PP11557AB, 09/11/2024
Spike Verify by: JJM / YDA
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI540

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** ei540

Additional Reagents/Stds

H2SO4	2024071607

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI540

Additional Reagents/Stds

Copper	2406cpg002

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2450417-01 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450417-02 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450417-03 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450417-04 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1

Reported: 21-OCT-24 04:46 PM

ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2450417-06 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:20	Kwame Mensah	5	H / K / #3
L2450417-07 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450417-08 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450417-09 WATER	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:27	Tian-Long Chheou	5	C, A, 1
L2450786-01 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-02 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-03 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-04 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450786-05 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-06 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-07 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-08 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-09 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-10 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
L2450786-12 SAMP	09/09/24 04:37	Francis Mbro-Menyah	140	>5,<9	.1		09/09/24 08:01	Rabbi Kyei-Baffour	5	C / A / #1
WG1968961-1 BLANK	09/08/24 21:49	Yaw Adu	140	>5,<9	.1		09/09/24 09:20	Kwame Mensah	5	H / K / #3

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ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1968961-2 LCS	09/08/24 21:49	Yaw Adu	140	>5,<9	.1	.1	09/09/24 09:20	Kwame Mensah	5	H / K / #3
WG1968961-3 LCSD	09/08/24 21:49	Yaw Adu	140	>5,<9	.1	.1	09/09/24 09:20	Kwame Mensah	5	H / K / #3
WG1968961-4 MS	09/08/24 21:49	Yaw Adu	140	>5,<9	.1	.1	09/09/24 09:20	Kwame Mensah	5	H / K / #3
WG1968961-5 MSD	09/08/24 21:49	Yaw Adu	140	>5,<9	.1	.1	09/09/24 09:20	Kwame Mensah	5	H / K / #3

ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2450417-01 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-02 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-03 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-04 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-06 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-07 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-08 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450417-09 WATER	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-01 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-02 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-03 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere

ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2450786-04 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-05 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-06 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-07 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-08 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-09 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-10 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
L2450786-12 SAMP	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
WG1968961-1 BLANK	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
WG1968961-2 LCS	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
WG1968961-3 LCSD	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere

ORGANIC ELN REPORT

Workgroup: WG1968961

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
WG1968961-4 MS	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere
WG1968961-5 MSD	09/09/24 11:42	Kristina Arsenault	5	1	09/09/24 17:26	Emelia Asabere

Reported: 21-OCT-24 04:46 PM

GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: P. W. Grosser
Project Name: ROANOKE SAND + GRAVEL

Lab Number: L2450786
Project Number: BSD1504
Matrix: Water

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-5A (L2450786-01)	77	72	68	71			0
MW-5B (L2450786-02)	79	76	71	76			0
MW-6A (L2450786-03)	85	78	69	71			0
MW-6B (L2450786-04)	82	79	71	73			0
MW-7A (L2450786-05)	81	73	69	67			0
MW-7B (L2450786-06)	74	69	63	65			0
MW-8A (L2450786-07)	77	71	61	64			0
MW-8B (L2450786-08)	72	68	58	58			0
MW-10A (L2450786-09)	84	80	74	76			0
MW-10B (L2450786-10)	82	75	71	71			0
DUP (L2450786-12)	83	76	71	71			0
WG1968977-1BLANK	76	70	66	66			0
WG1968977-2LCS	69	65	63	65			0
WG1968977-3LCSD	75	72	66	68			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

FORM II NYTCL-8081

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1968977-2	**Analysis Date** : 09/10/24 12:32	**File ID** : 11240910a-19
LCSD Sample ID	: WG1968977-3	**Analysis Date** : 09/10/24 12:44	**File ID** : 11240910a-20

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	0.357	0.244	68	0.357	0.256	72	5	30-150	20
Lindane	0.357	0.263	74	0.357	0.276	77	5	30-150	20
Alpha-BHC	0.357	0.213	60	0.357	0.226	63	6	30-150	20
Beta-BHC	0.357	0.254	71	0.357	0.268	75	5	30-150	20
Heptachlor	0.357	0.264	74	0.357	0.276	77	4	30-150	20
Aldrin	0.357	0.250	70	0.357	0.264	74	5	30-150	20
Heptachlor epoxide	0.357	0.257	72	0.357	0.268	75	4	30-150	20
Endrin	0.357	0.271	76	0.357	0.281	79	4	30-150	20
Endrin aldehyde	0.357	0.225	63	0.357	0.242	68	7	30-150	20
Endrin ketone	0.357	0.280	78	0.357	0.289	81	3	30-150	20
Dieldrin	0.357	0.286	80	0.357	0.299	84	4	30-150	20
4,4'-DDE	0.357	0.256	72	0.357	0.267	75	4	30-150	20
4,4'-DDD	0.357	0.283	79	0.357	0.294	82	4	30-150	20
4,4'-DDT	0.357	0.272	76	0.357	0.283	79	4	30-150	20
Endosulfan I	0.357	0.258	72	0.357	0.269	75	4	30-150	20
Endosulfan II	0.357	0.275	77	0.357	0.286	80	4	30-150	20
Endosulfan sulfate	0.357	0.279	78	0.357	0.288	81	3	30-150	20
Methoxychlor	0.357	0.287	80	0.357	0.294	82	2	30-150	20
cis-Chlordane	0.357	0.240	67	0.357	0.252	71	5	30-150	20
trans-Chlordane	0.357	0.290	81	0.357	0.301	84	4	30-150	20

Method Blank Summary
Form 4
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG1968977-1	**Lab File ID**	: 11240910a-18
Matrix	: WATER	**Extraction Date**	: 09/09/24
Analysis Date (1)	: 09/10/24 12:20	**Analysis Date (2)**	: 09/10/24 12:20
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1968977-2LCS	WG1968977-2	09/10/24 12:32	09/10/24 12:32
WG1968977-3LCSD	WG1968977-3	09/10/24 12:44	09/10/24 12:44
MW-5A	L2450786-01	09/10/24 13:08	09/10/24 13:08
MW-5B	L2450786-02	09/10/24 13:19	09/10/24 13:19
MW-6A	L2450786-03	09/10/24 13:31	09/10/24 13:31
MW-6B	L2450786-04	09/10/24 13:43	09/10/24 13:43
MW-7A	L2450786-05	09/10/24 13:55	09/10/24 13:55
MW-7B	L2450786-06	09/10/24 14:07	09/10/24 14:07
MW-8A	L2450786-07	09/10/24 14:19	09/10/24 14:19
MW-8B	L2450786-08	09/10/24 14:30	09/10/24 14:30
MW-10A	L2450786-09	09/10/24 14:42	09/10/24 14:42
MW-10B	L2450786-10	09/10/24 14:54	09/10/24 14:54
DUP	L2450786-12	09/10/24 15:06	09/10/24 15:06

Analytical Sequence
Form 8b
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST11	**Initial Calib. Date(s)**	: 08/01/24 08/01/24

Client ID	Lab ID	Date/Time Analyzed
R1860455-1 PEM	R1860455-1	08/01/24 18:25
Pesticides L1 (0.5ug/L)	R1860455-2	08/01/24 18:37
Pesticides L2 (1.0ug/L)	R1860455-3	08/01/24 18:49
Pesticides L3 (2.0ug/L)	R1860455-4	08/01/24 19:01
Pesticides L4 (3.0ug/L)	R1860455-5	08/01/24 19:13
Pesticides L5 (4.0ug/L)	R1860455-6	08/01/24 19:25
Pesticides L7 (10.0ug/L)	R1860455-7	08/01/24 19:37
Pesticides L8 (50.0ug/L)	R1860455-8	08/01/24 19:49
Pesticides L9 (100ug/L)	R1860455-9	08/01/24 20:01
Pesticides L10 (200ug/L)	R1860455-10	08/01/24 20:12
Pesticides L11 (400ug/L)	R1860455-11	08/01/24 20:25
R1860455-12 ICV	R1860455-12	08/01/24 20:36
Chlordane L3 (10ug/L)	R1860455-13	08/01/24 20:48
Chlordane L4 (20ug/L)	R1860455-14	08/01/24 21:00
Chlordane L5 (100ug/L)	R1860455-15	08/01/24 21:12
Chlordane L7 (500ug/L)	R1860455-16	08/01/24 21:24
Chlordane L8 (1000ug/L)	R1860455-18	08/01/24 21:36
Chlordane L9 (2000ug/L)	R1860455-17	08/01/24 21:48
Chlordane L10 (5000ug/L)	R1860455-19	08/01/24 22:00
R1860455-20 ICV	R1860455-20	08/01/24 22:12
Toxaphene L3 (20.0ug/L)	R1860455-21	08/01/24 22:24
Toxaphene L4 (100ug/L)	R1860455-22	08/01/24 22:36
Toxaphene L7 (1000ug/L)	R1860455-23	08/01/24 22:47
Toxaphene L8 (2000ug/L)	R1860455-24	08/01/24 22:59
Toxaphene L9 (5000ug/L)	R1860455-25	08/01/24 23:11
R1860455-26 ICV	R1860455-26	08/01/24 23:23
R1874054-1 PEM	R1874054-1	09/10/24 09:06
WG1969659-1 CCAL	WG1969659-1	09/10/24 09:18
WG1969659-2 CCAL	WG1969659-2	09/10/24 09:30
WG1969659-3 CCAL	WG1969659-3	09/10/24 09:42
WG1968977-1 BLANK	WG1968977-1	09/10/24 12:20
WG1968977-2 LCS	WG1968977-2	09/10/24 12:32
WG1968977-3 LCSD	WG1968977-3	09/10/24 12:44
MW-5A	L2450786-01	09/10/24 13:08
MW-5B	L2450786-02	09/10/24 13:19
MW-6A	L2450786-03	09/10/24 13:31
MW-6B	L2450786-04	09/10/24 13:43
MW-7A	L2450786-05	09/10/24 13:55
MW-7B	L2450786-06	09/10/24 14:07
MW-8A	L2450786-07	09/10/24 14:19
MW-8B	L2450786-08	09/10/24 14:30
MW-10A	L2450786-09	09/10/24 14:42

Analytical Sequence
Form 8b
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST11	**Initial Calib. Date(s)**	: 08/01/24 08/01/24

Client ID	Lab ID	Date/Time Analyzed
MW-10B	L2450786-10	09/10/24 14:54
DUP	L2450786-12	09/10/24 15:06

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container / Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	1.6008	0.31349	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	0.667	0.298149	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	0.667	0.189428	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	1.6008	0.60697	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	0.8004	0.358846	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	1.6008	0.563615	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	3.0015	0.90045	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	0.667	0.27347	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	2.001	0.70035	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	1.6008	0.412206	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	1.0005	0.50025	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	1.6008	0.370185	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	1.6008	0.570952	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	3.0015	1.28731	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	1.6008	0.378189	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	1.6008	0.534934	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	0.667	0.317492	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	3.0015	0.9338	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	30.015	8.4042	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	13.34	5.30265	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	2.001	0.557612	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	2.001	0.528264	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 120ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-22	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	0.019	0.029	0.003	J
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-01	**Date Collected**	: 09/05/24 13:53
Client ID	: MW-5A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:08
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-22	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:19
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-23	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	0.012	0.029	0.003	J
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-02	**Date Collected**	: 09/05/24 13:55
Client ID	: MW-5B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:19
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-23	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:31
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-24	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-03	**Date Collected**	: 09/05/24 12:50
Client ID	: MW-6A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:31
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-24	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticidesII
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
60-57-1	Dieldrin	0.004	0.029	0.003	J

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:43
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-25	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	0.010	0.029	0.003	J
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	0.006	0.029	0.003	J
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-04	**Date Collected**	: 09/05/24 12:47
Client ID	: MW-6B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:43
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-25	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:55
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-26	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	0.014	0.029	0.003	J
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	0.004	0.029	0.003	J
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-05	**Date Collected**	: 09/05/24 11:55
Client ID	: MW-7A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 13:55
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-26	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:07
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-27	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	0.014	0.029	0.003	J
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-06	**Date Collected**	: 09/05/24 12:00
Client ID	: MW-7B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:07
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-27	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:19
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-28	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-07	**Date Collected**	: 09/05/24 08:00
Client ID	: MW-8A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:19
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-28	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:30
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-29	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-08	**Date Collected**	: 09/05/24 08:55
Client ID	: MW-8B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:30
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-29	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:42
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-30	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-09	**Date Collected**	: 09/05/24 10:10
Client ID	: MW-10A	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:42
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-30	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:54
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-31	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-10	**Date Collected**	: 09/05/24 10:16
Client ID	: MW-10B	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 14:54
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-31	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:06
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-32	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2450786-12	**Date Collected**	: 09/05/24 00:00
Client ID	: DUP	**Date Received**	: 09/05/24
Sample Location	: 104 ROCKY POINT RD. MIDDLE ISLAND	**Date Analyzed**	: 09/10/24 15:06
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-32	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968977-1	**Date Collected**	: NA
Client ID	: WG1968977-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 12:20
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-18	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG1968977-1	**Date Collected**	: NA
Client ID	: WG1968977-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/10/24 12:20
Sample Matrix	: WATER	**Date Extracted**	: 09/09/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240910a-18	**Analyst**	: JAG
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:08
Operator : PEST11:jag
Sample : L2450786-01,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:42 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.303	309.6E6	178.4E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 115.49%		
	Standard Area 1 : #2 = 176274603				Recovery = 101.23%		
28) i	1-br-2-nb_Ch	1.230	1.303	309.6E6	178.4E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.230	1.303	309.6E6	178.4E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	492.7E6	286.0E6	38.295M4	35.980M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 76.59%		71.96%
27) s	Decachlorobi	6.178	6.810	490.9E6	267.0E6	34.088M4	35.284M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 68.18%		70.57%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:08
Operator : PEST11:jag
Sample : L2450786-01,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:42 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	4.467	5.196	35144680	19198704	2.682M3	2.152M4
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

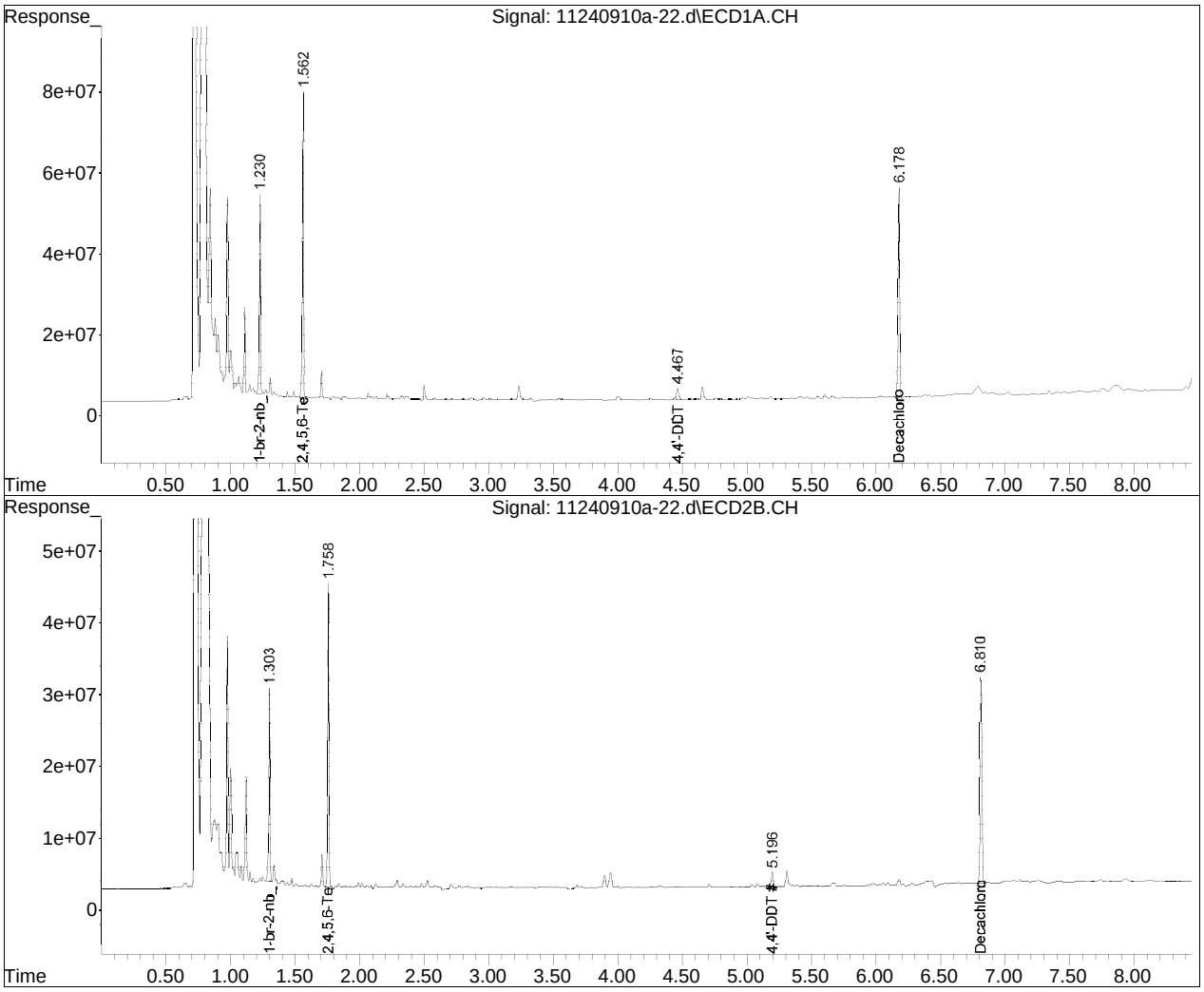
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:08
Operator : PEST11:jag
Sample : L2450786-01,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:42 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

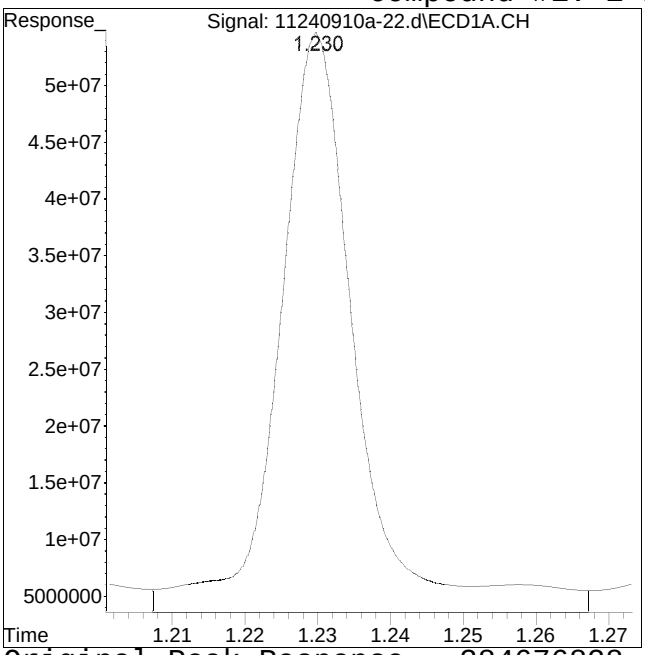
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

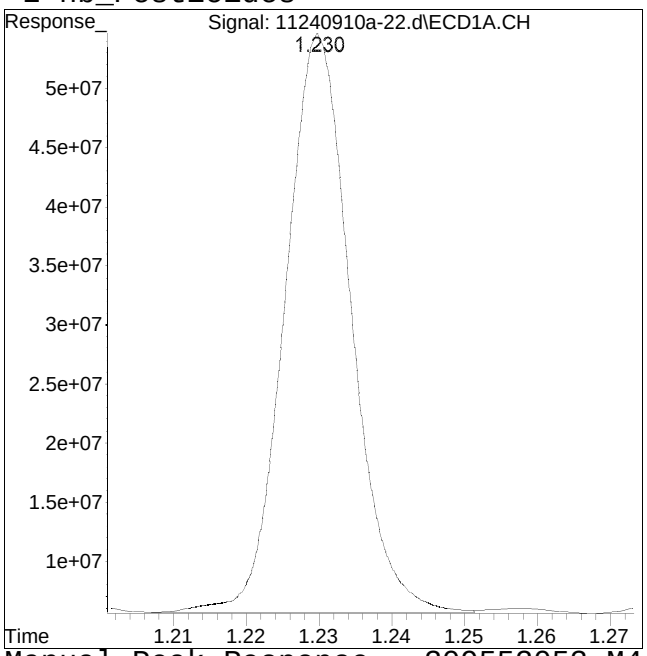


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



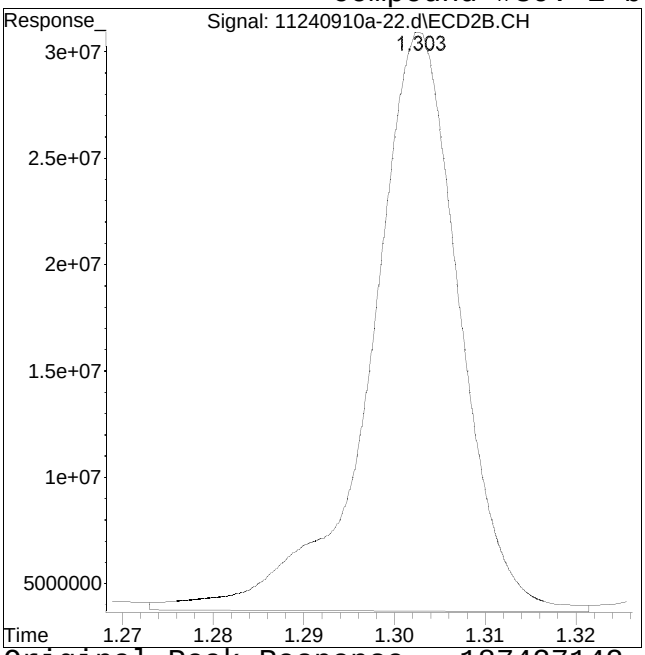


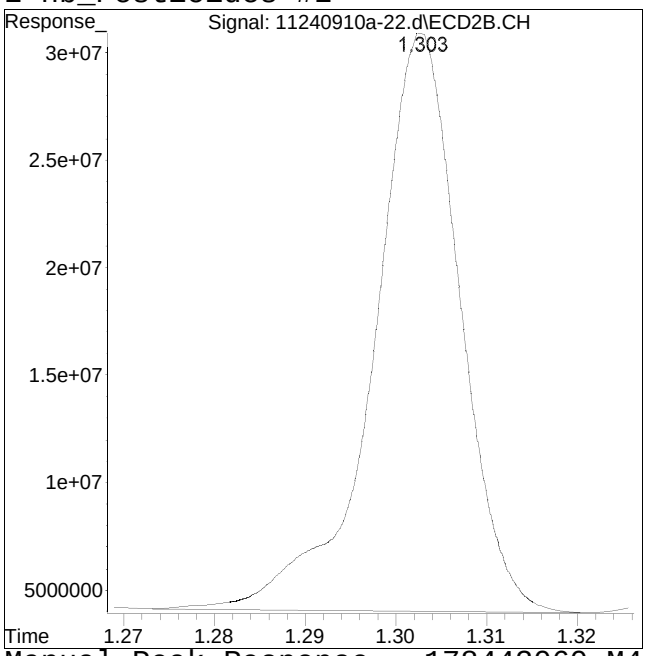
Original Peak Response = 384676828 Manual Peak Response = 309553053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



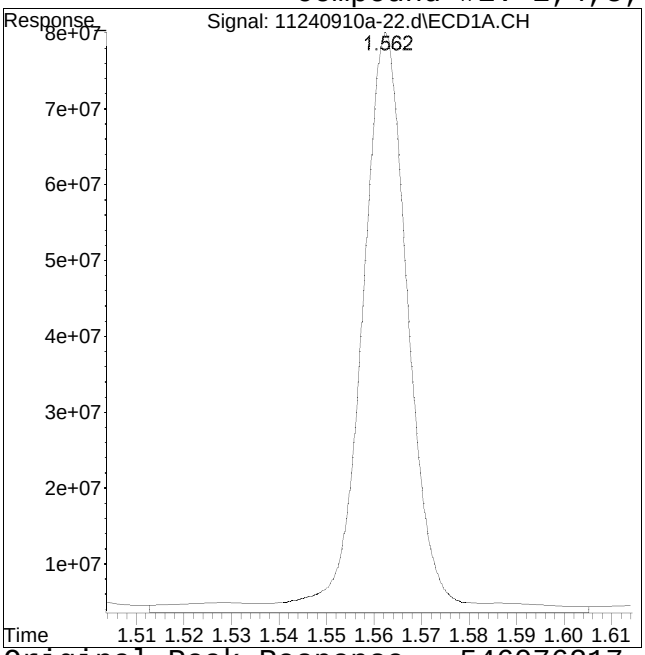


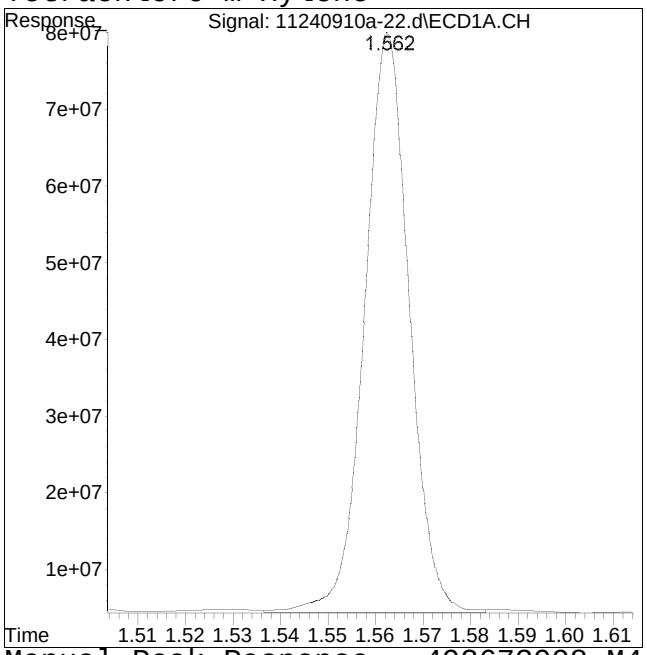
Original Peak Response = 187427142 Manual Peak Response = 178443060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



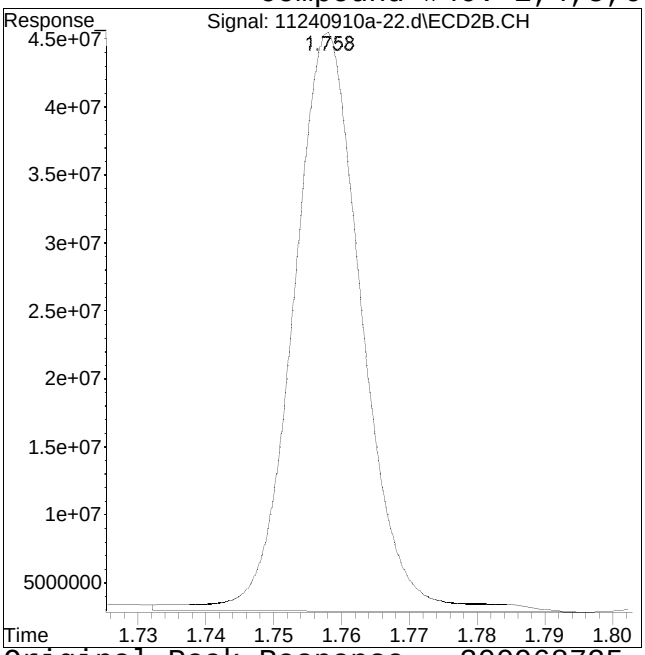


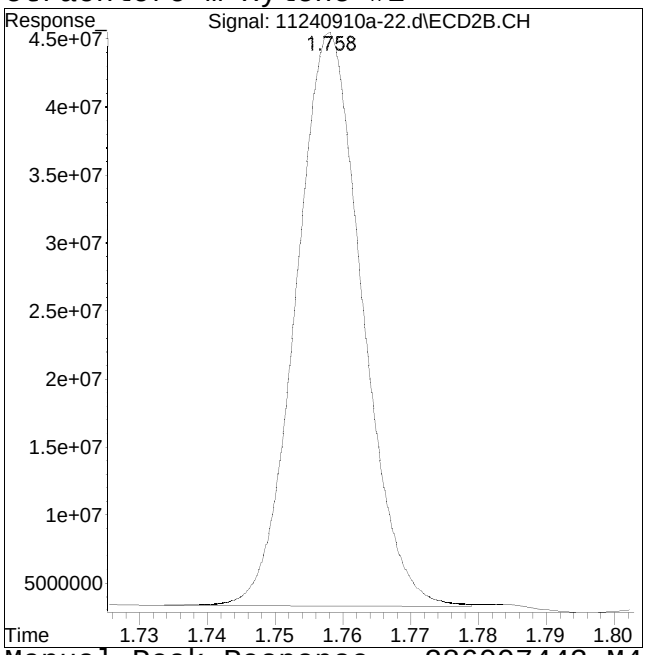
Original Peak Response = 546076217 Manual Peak Response = 492673998 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



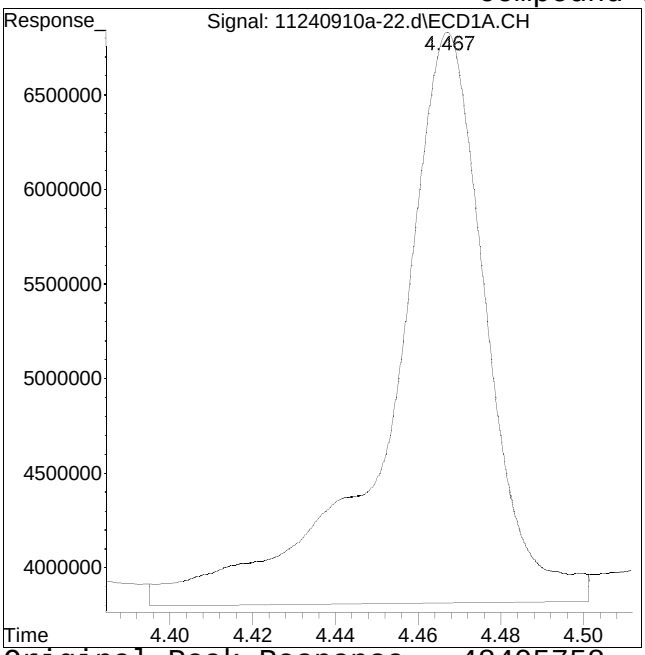


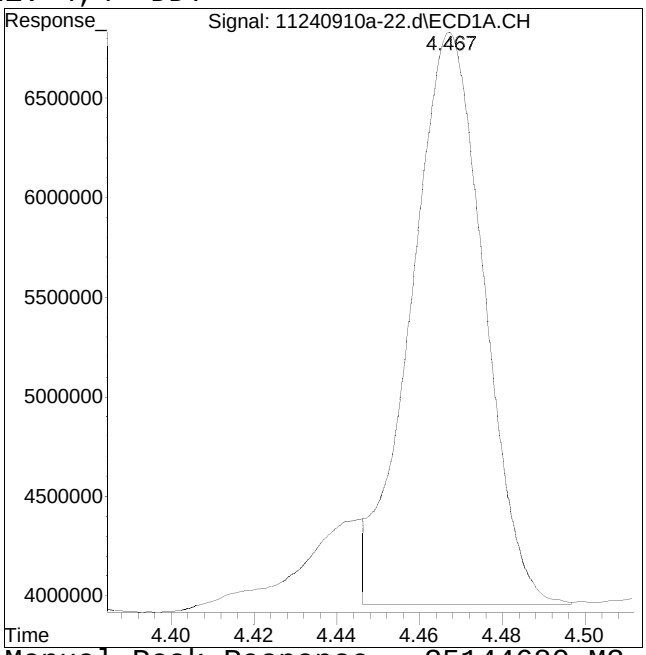
Original Peak Response = 300968725 Manual Peak Response = 286007443 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #21: 4,4'-DDT



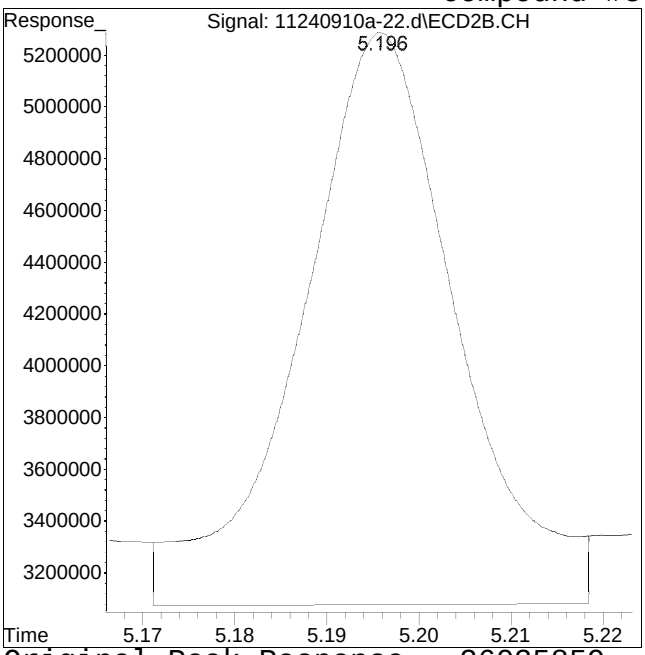


Original Peak Response = 48405758 Manual Peak Response = 35144680 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

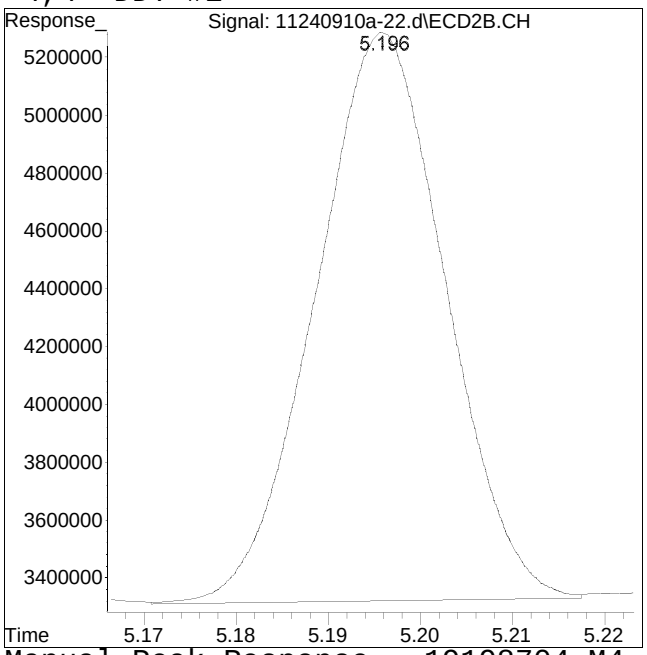
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 26035859



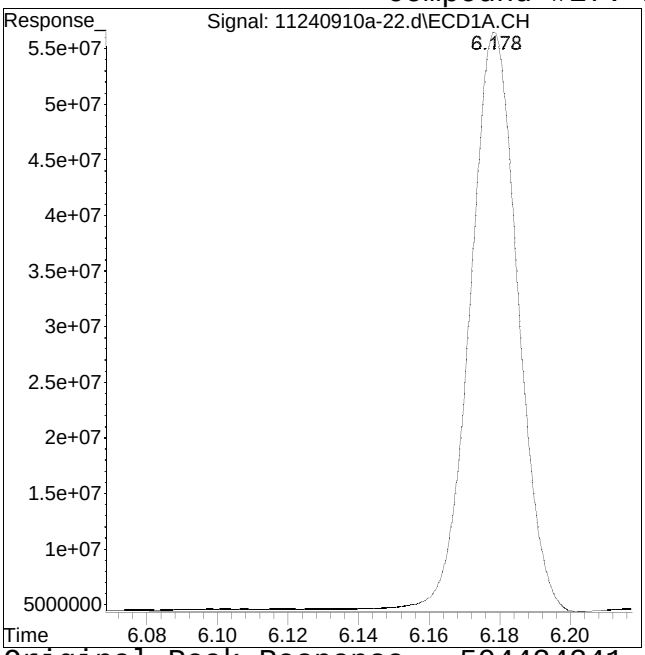
Manual Peak Response = 19198704 M4

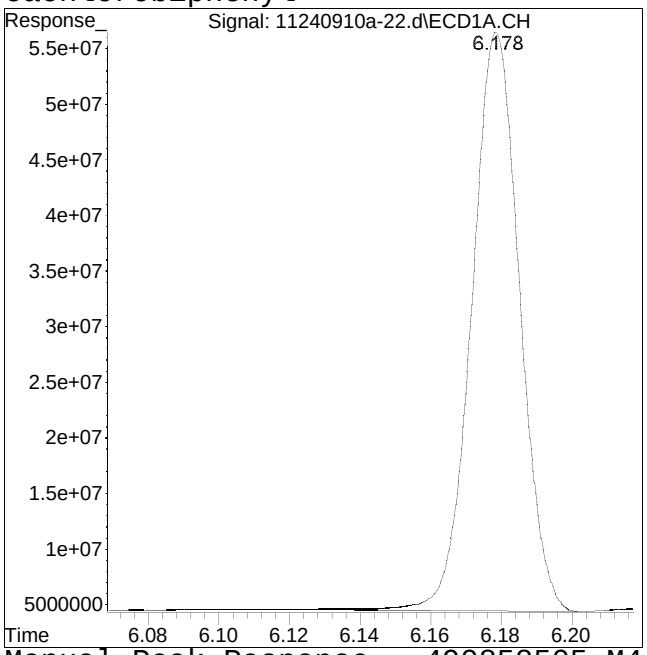
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



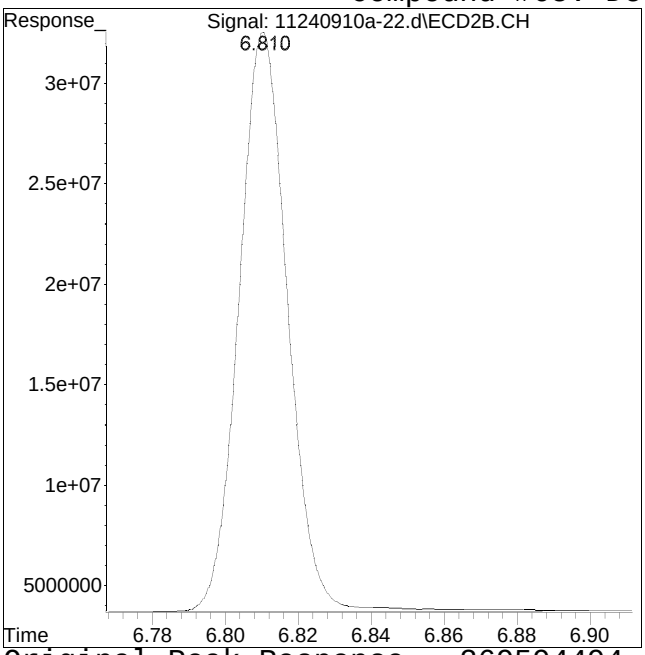


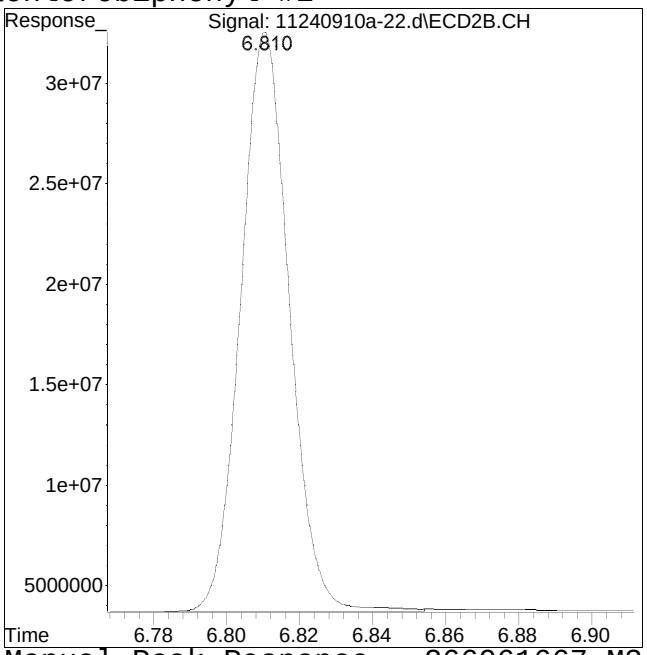
Original Peak Response = 504424241 Manual Peak Response = 490858505 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



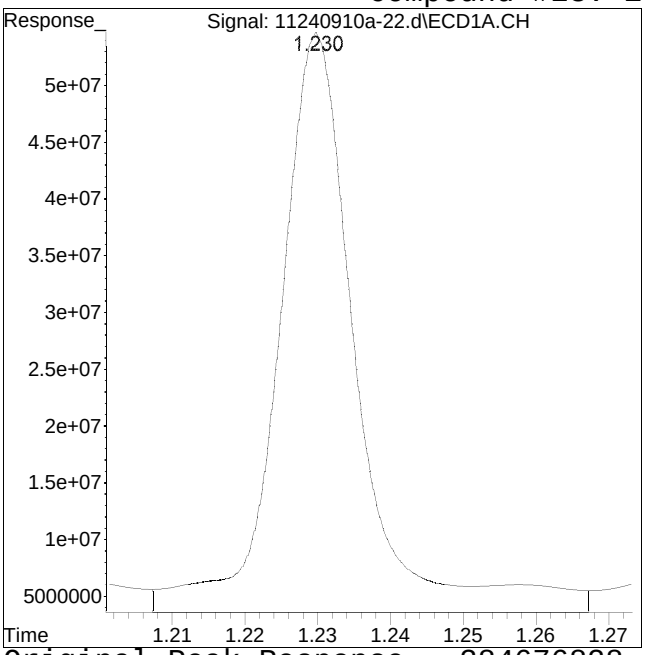


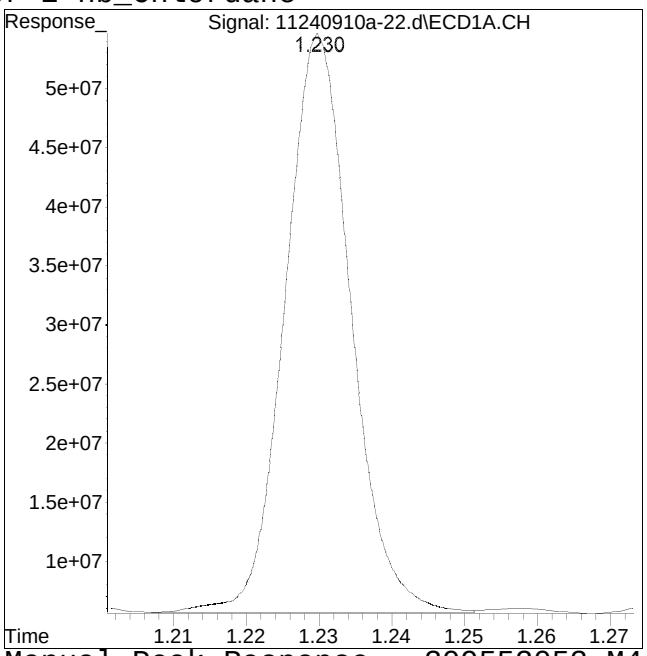
Original Peak Response = 269594494 Manual Peak Response = 266961667 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



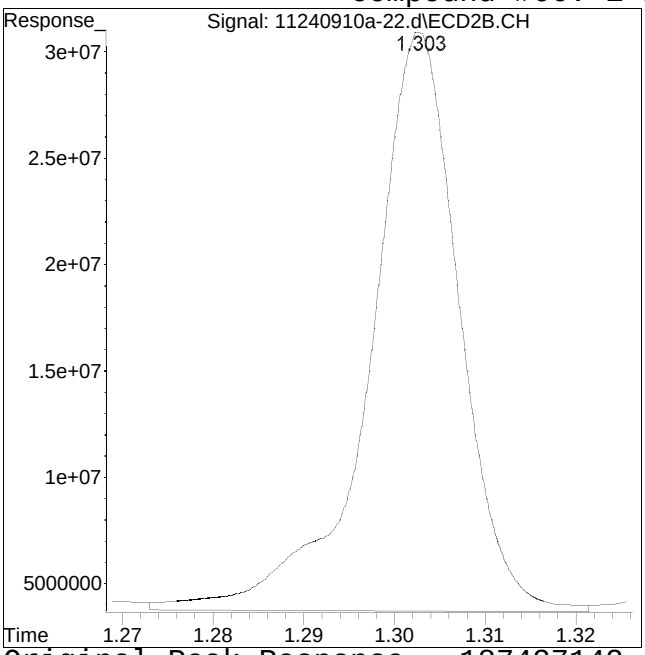


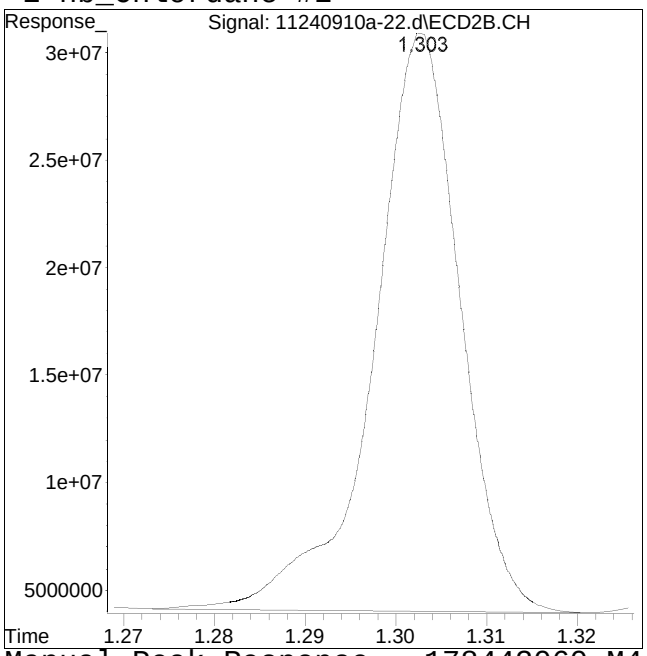
Original Peak Response = 384676828 Manual Peak Response = 309553053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



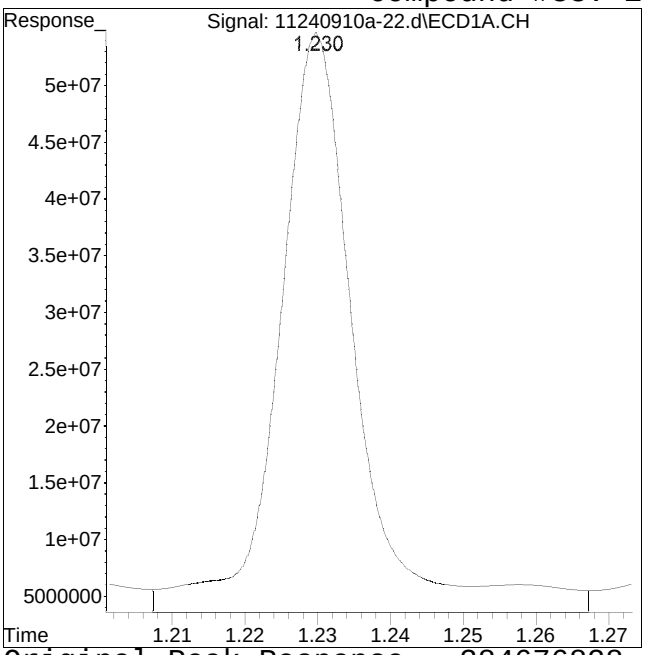


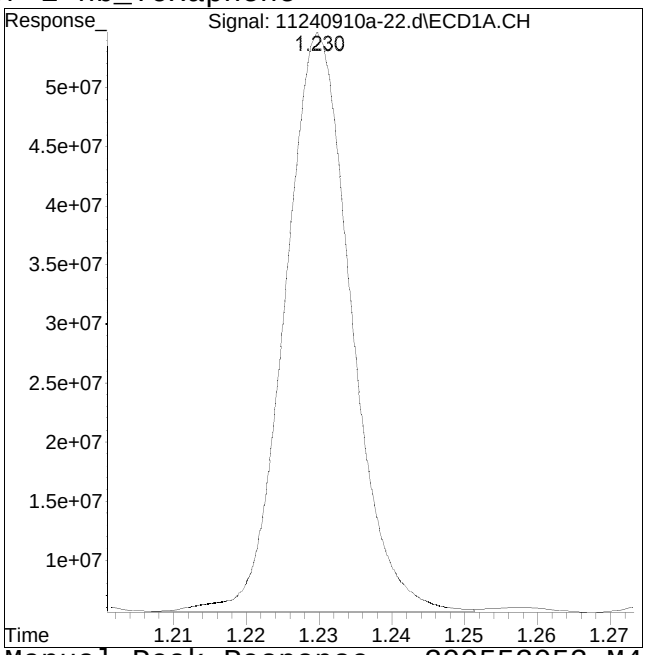
Original Peak Response = 187427142 Manual Peak Response = 178443060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



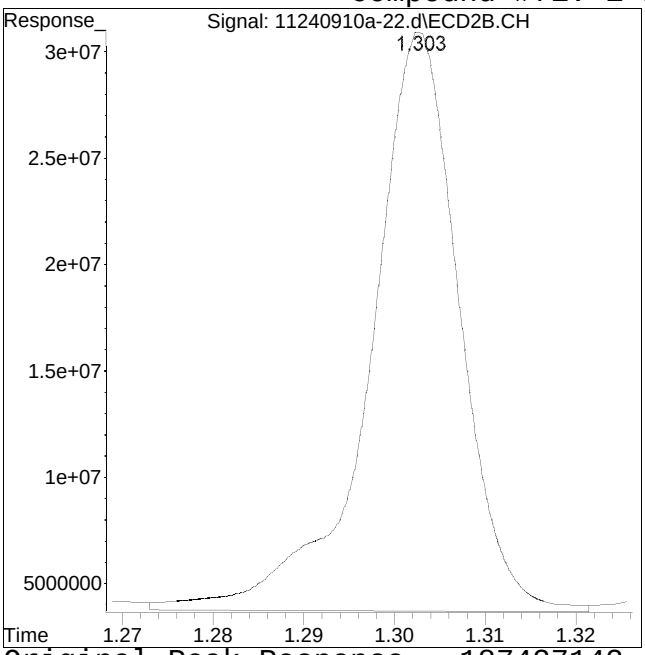


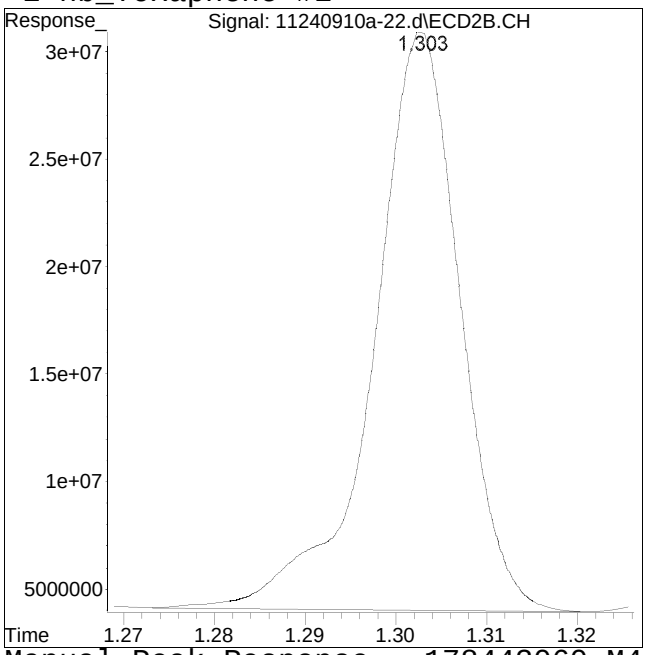
Original Peak Response = 384676828 Manual Peak Response = 309553053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-22.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:08 Instrument : Pest 11
Sample : L2450786-01,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 187427142 Manual Peak Response = 178443060 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:19
Operator : PEST11:jag
Sample : L2450786-02,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:44 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	316.2E6	176.6E6	25.000M3	25.000M3
	Standard Area 1 : #1 = 268032417				Recovery = 117.97%		
	Standard Area 1 : #2 = 176274603				Recovery = 100.17%		
28) i	1-br-2-nb_Ch	1.229	1.302	316.2E6	176.6E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	1.229	1.302	316.2E6	176.6E6	25.000M3	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	516.6E6	300.7E6	39.306M3	38.228M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 78.61%		76.46%
27) s	Decachlorobi	6.178	6.810	522.4E6	286.2E6	35.511M4	38.228M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.02%		76.46%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:19
Operator : PEST11:jag
Sample : L2450786-02,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:44 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	4.467	5.196	23083746	12351513	1.724M3	1.399M4
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

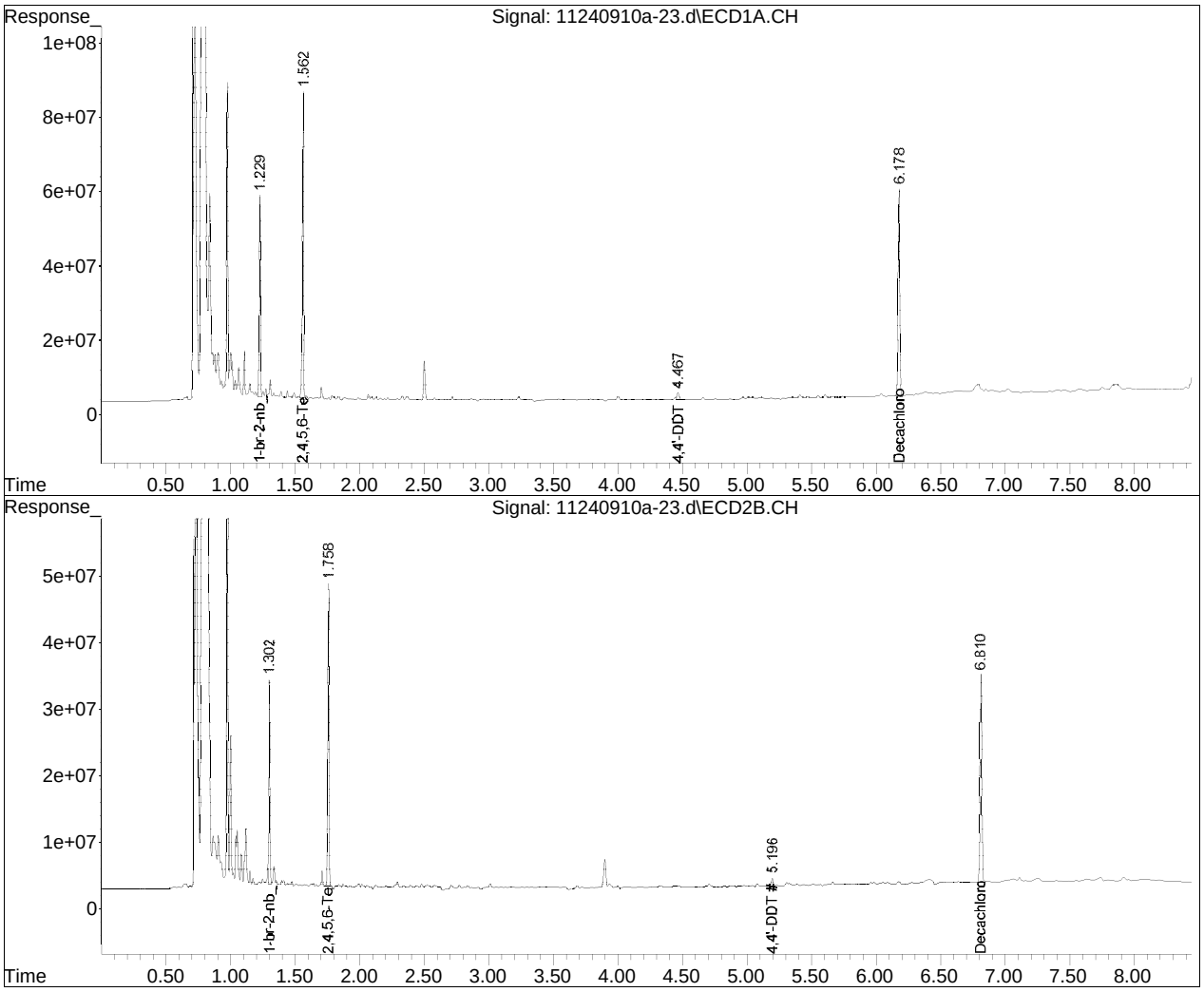
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:19
Operator : PEST11:jag
Sample : L2450786-02,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:44 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

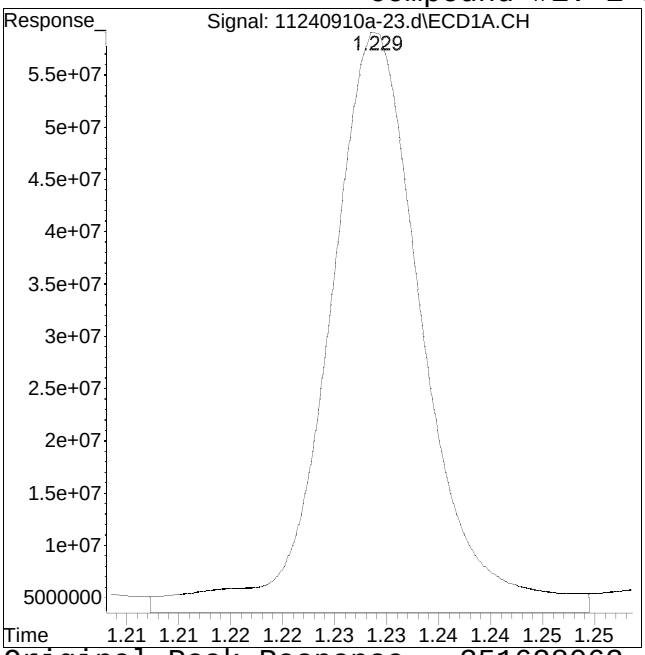
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

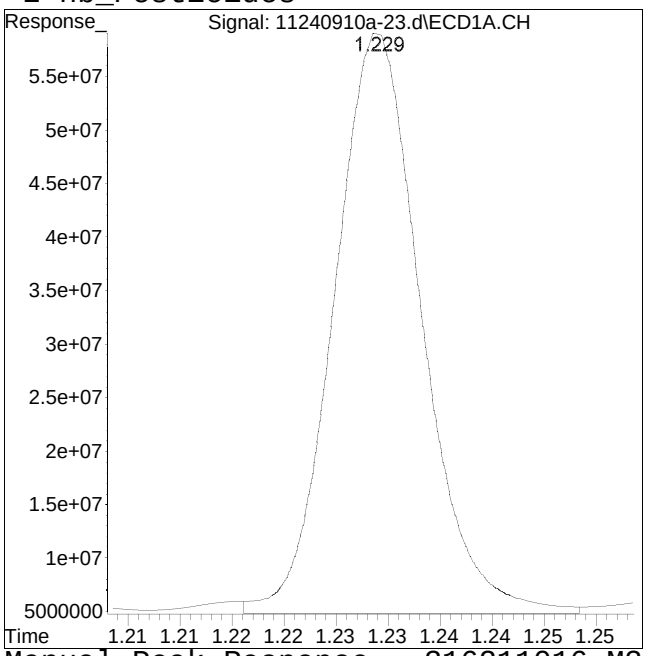


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



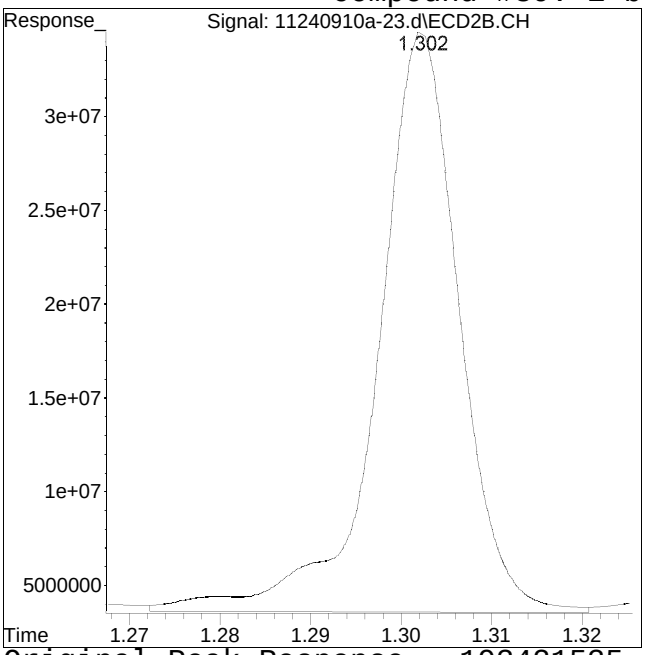


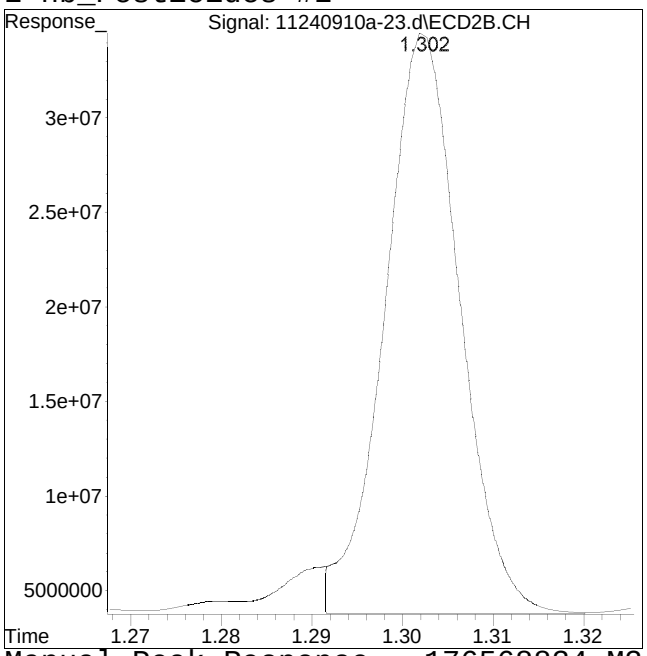
Original Peak Response = 351628063 Manual Peak Response = 316211016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



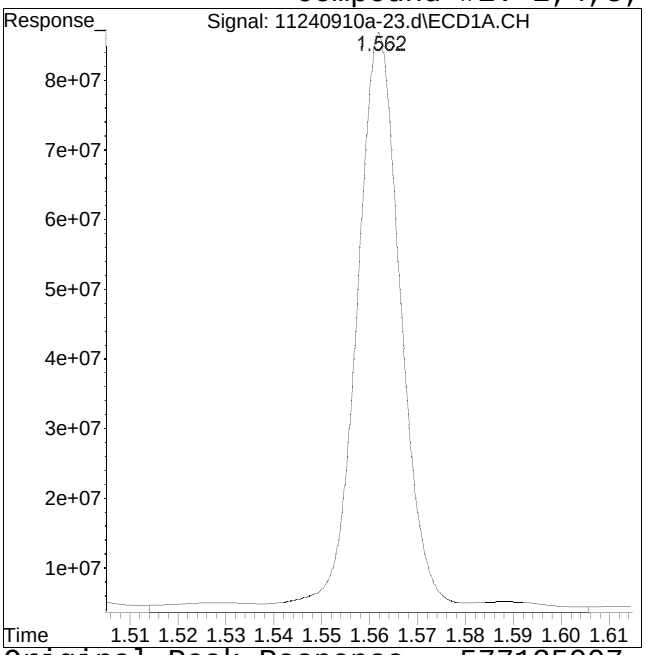


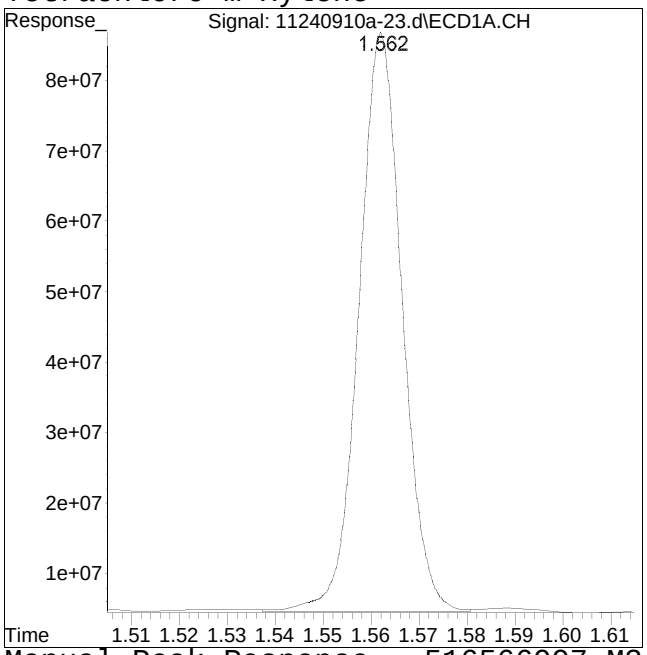
Original Peak Response = 193421535 Manual Peak Response = 176568834 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



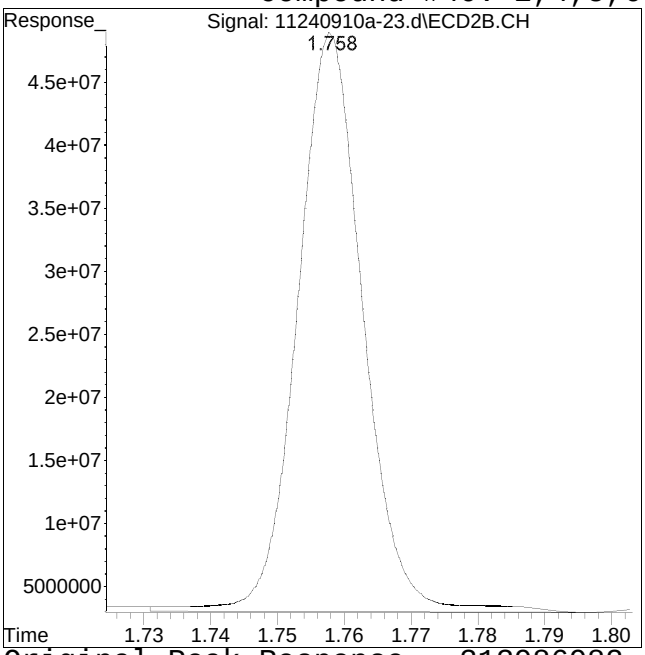


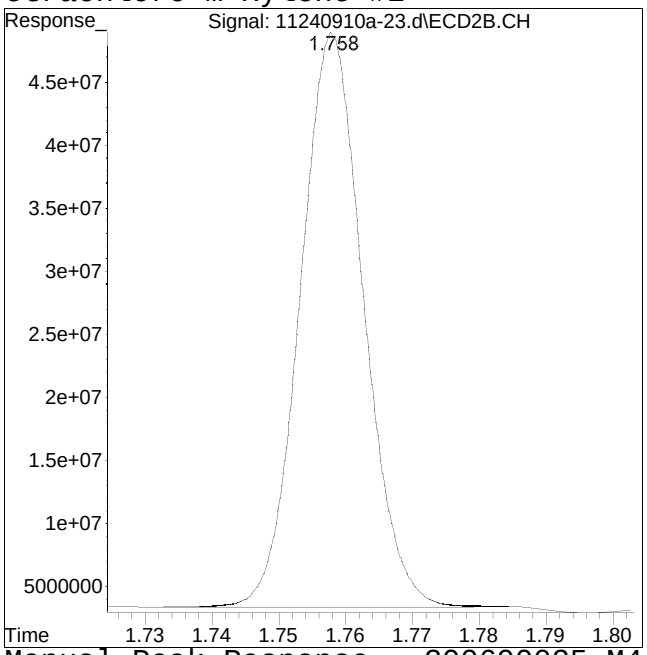
Original Peak Response = 577125907 Manual Peak Response = 516566997 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



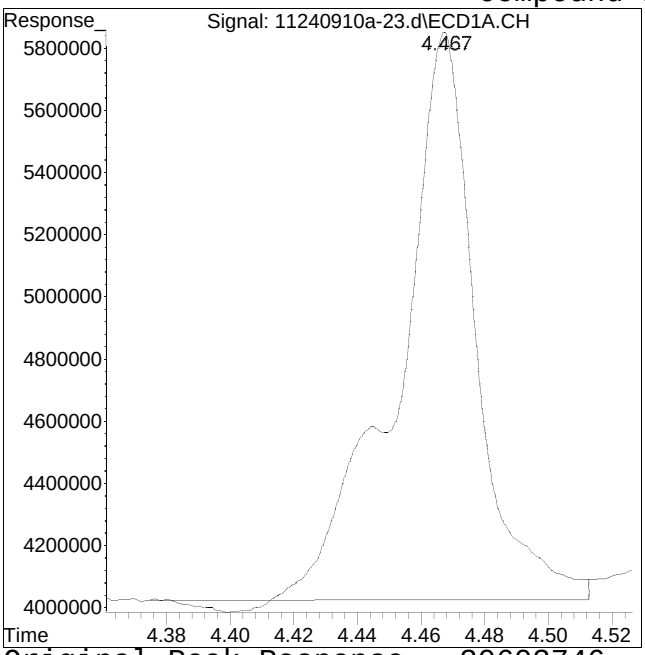


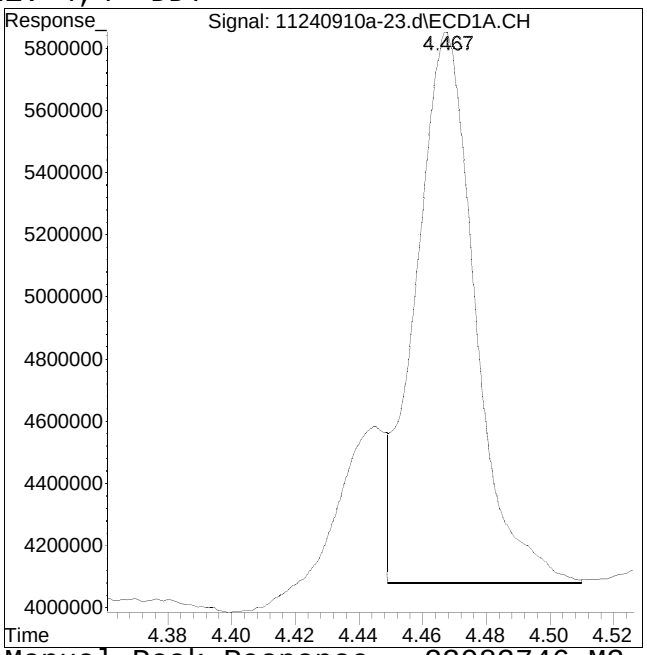
Original Peak Response = 313986982 Manual Peak Response = 300690025 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #21: 4,4'-DDT



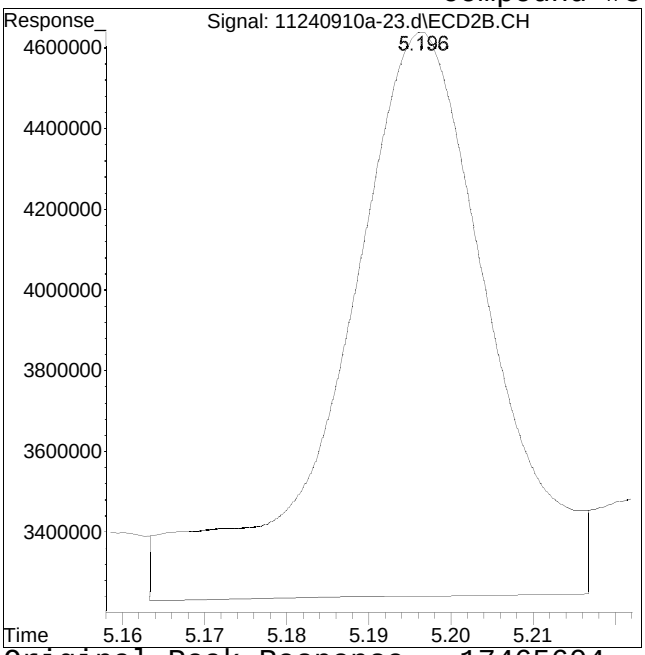


Original Peak Response = 30603746 Manual Peak Response = 23083746 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

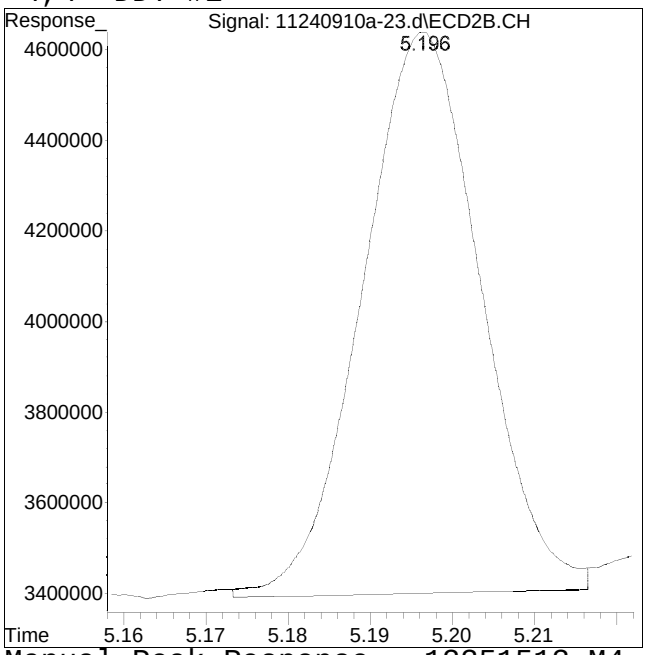
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 17465604



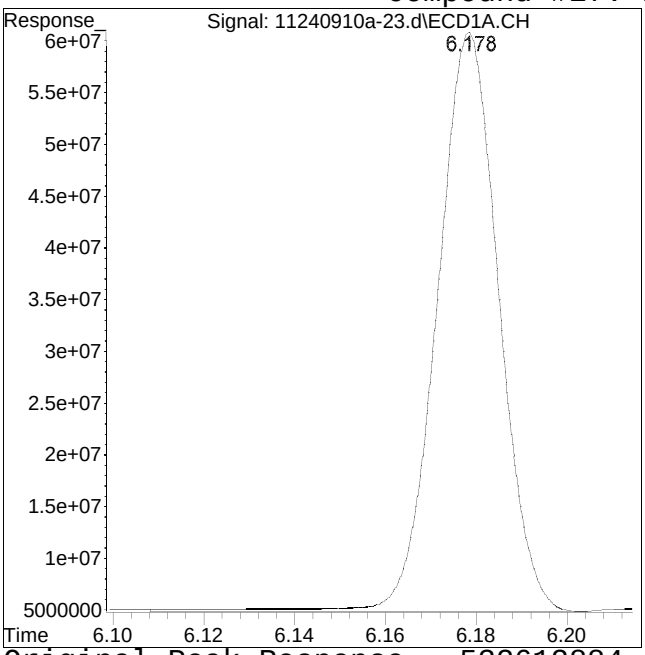
Manual Peak Response = 12351513 M4

M4 = Poor automated baseline construction.

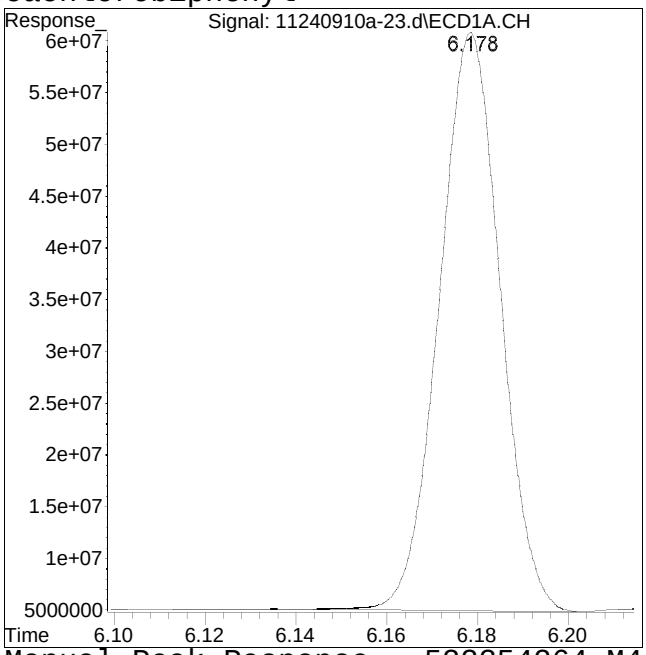
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 532612884



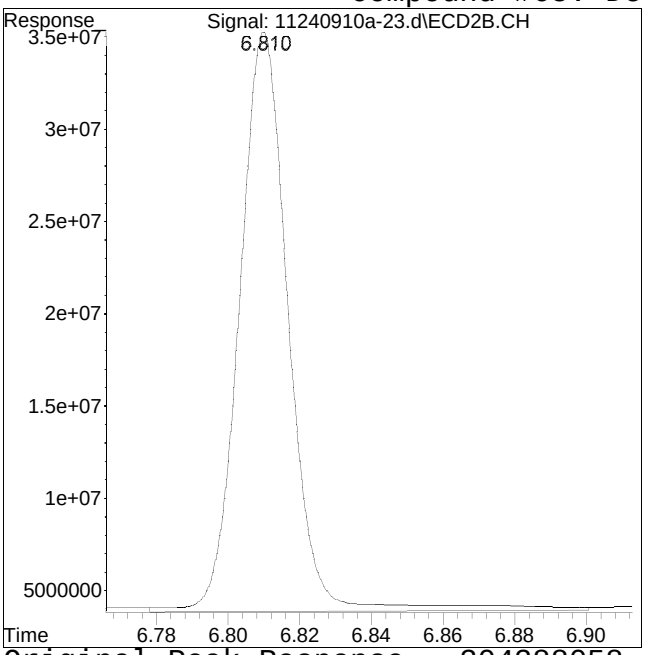
Manual Peak Response = 522354264 M4

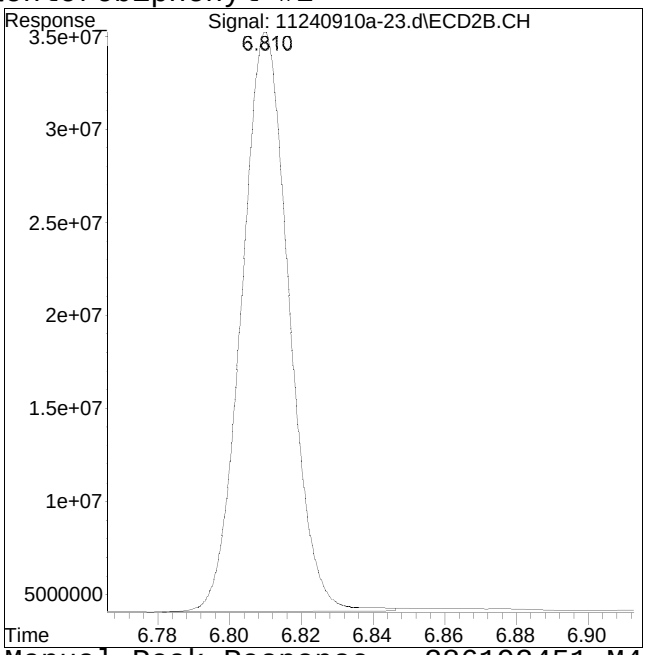
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



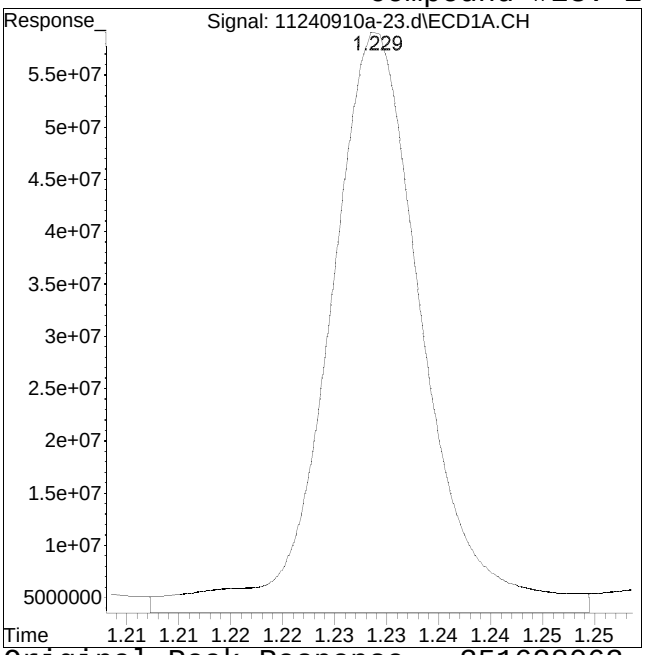


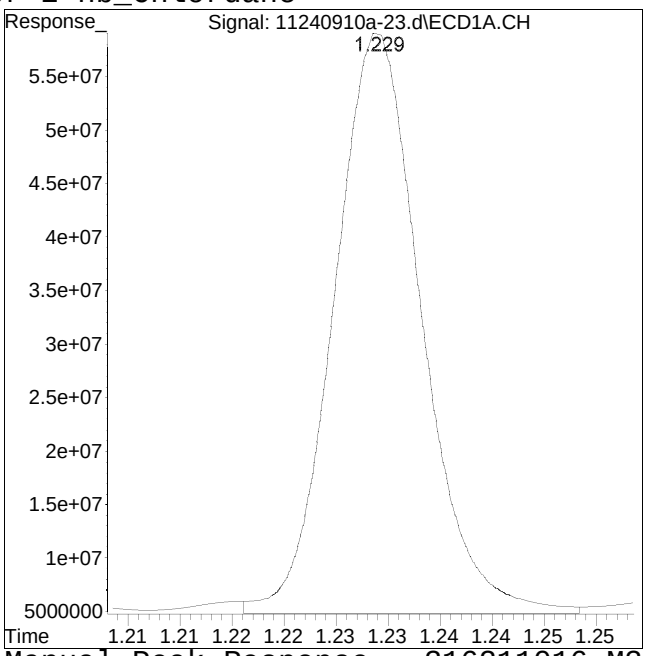
Original Peak Response = 304388058 Manual Peak Response = 286192451 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



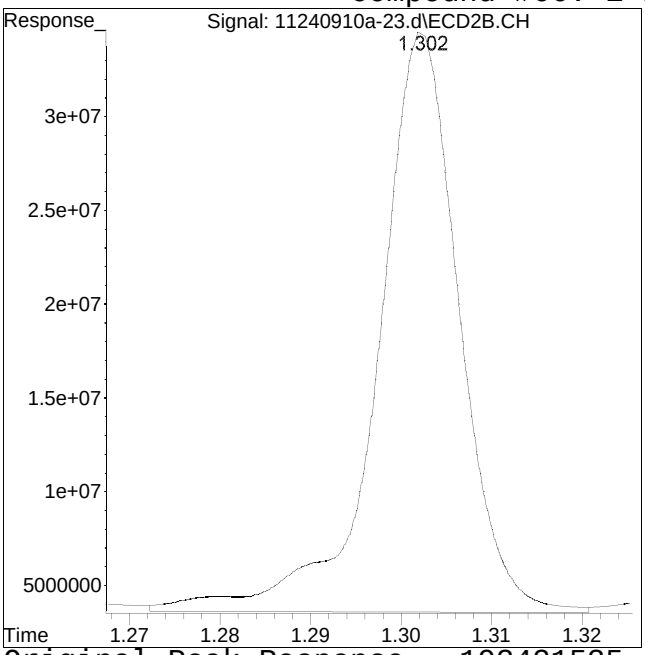


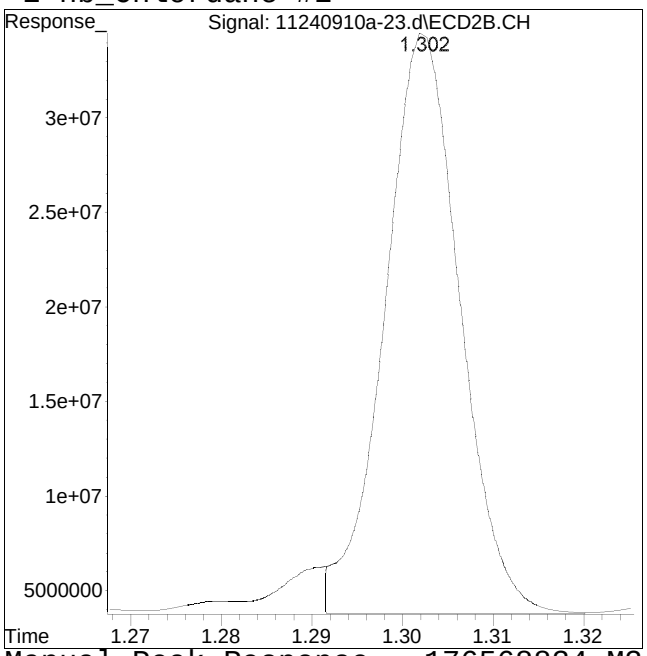
Original Peak Response = 351628063 Manual Peak Response = 316211016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



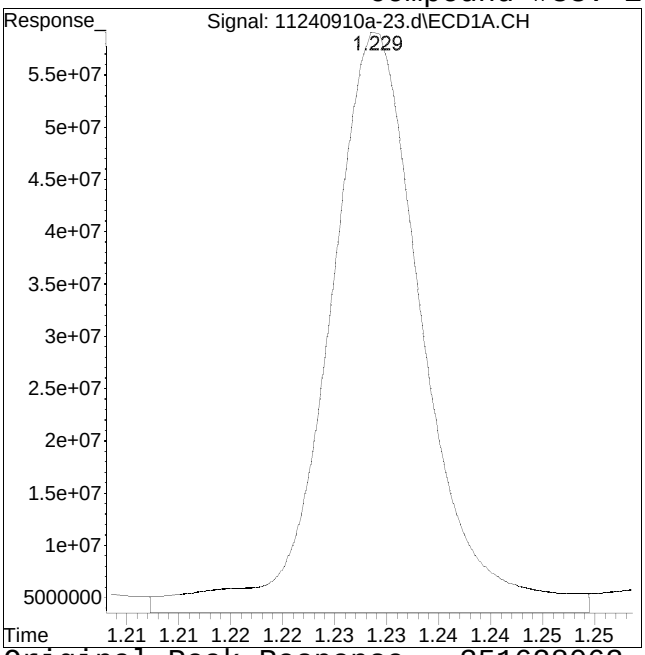


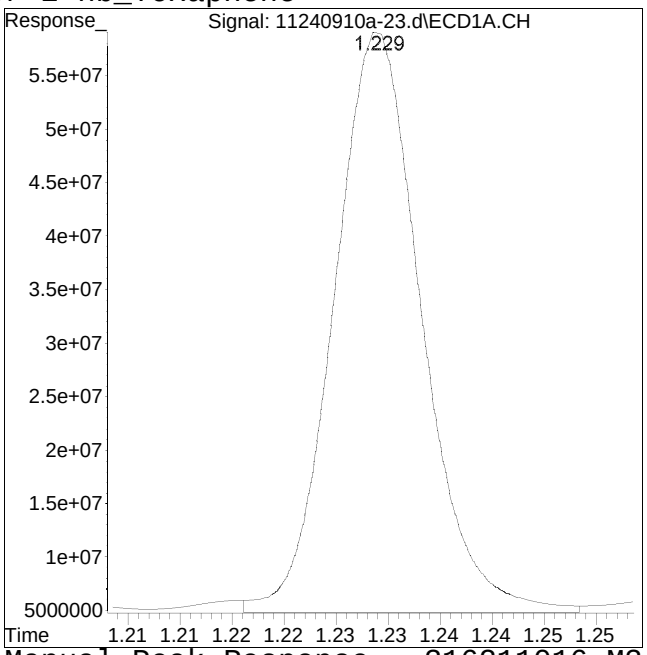
Original Peak Response = 193421535 Manual Peak Response = 176568834 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



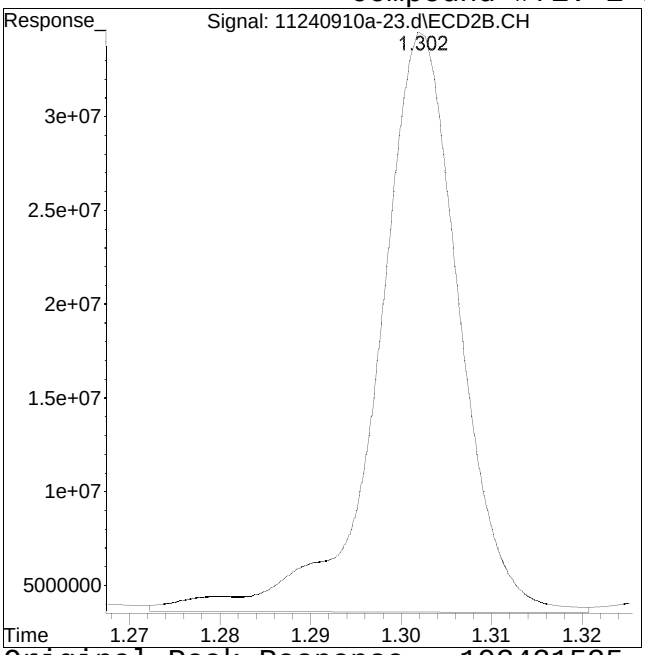


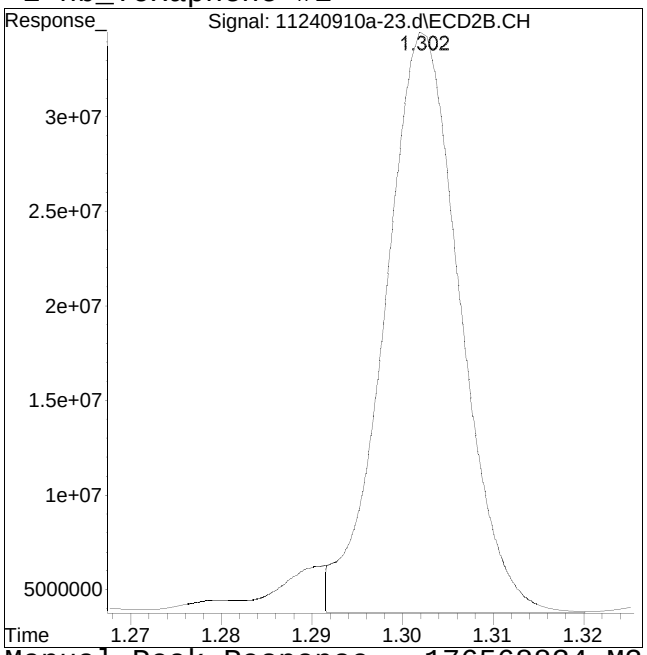
Original Peak Response = 351628063 Manual Peak Response = 316211016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-23.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:19 Instrument : Pest 11
Sample : L2450786-02,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 193421535 Manual Peak Response = 176568834 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:31
Operator : PEST11:jag
Sample : L2450786-03,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:47 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	313.4E6	182.4E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 268032417				Recovery = 116.92%		
	Standard Area 1 : #2 = 176274603				Recovery = 103.50%		
28) i	1-br-2-nb_Ch	1.229	1.302	313.4E6	182.4E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.229	1.302	313.4E6	182.4E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	550.3E6	318.9E6	42.256M4	39.231M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 84.51%		78.46%
27) s	Decachlorobi	6.179	6.810	502.7E6	272.8E6	34.483M3	35.264M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 68.97%		70.53%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	3.792	4.472	7595102	5716050	0.534M4	0.590M4

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:31
Operator : PEST11:jag
Sample : L2450786-03,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:47 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

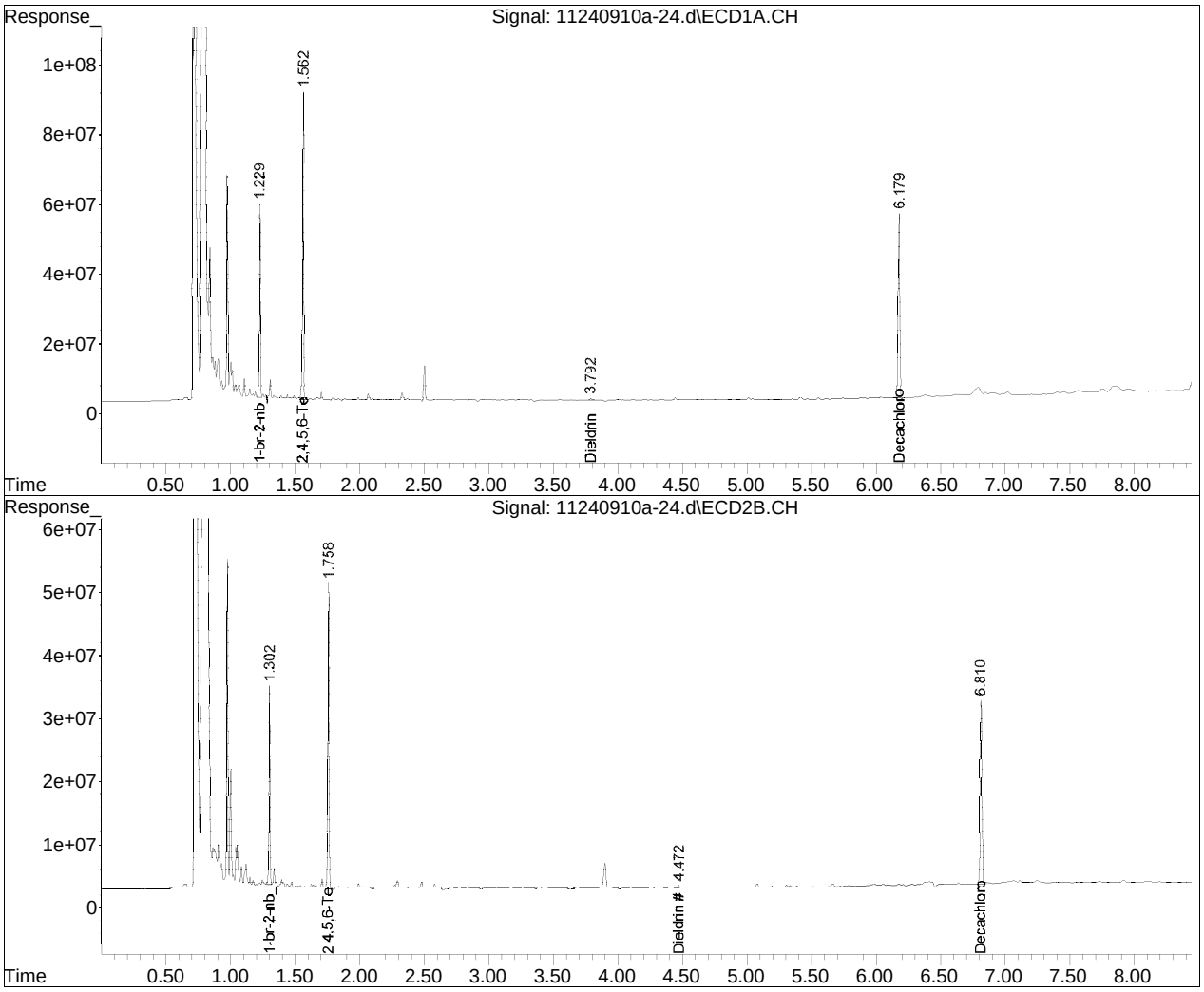
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:31
Operator : PEST11:jag
Sample : L2450786-03,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:47 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

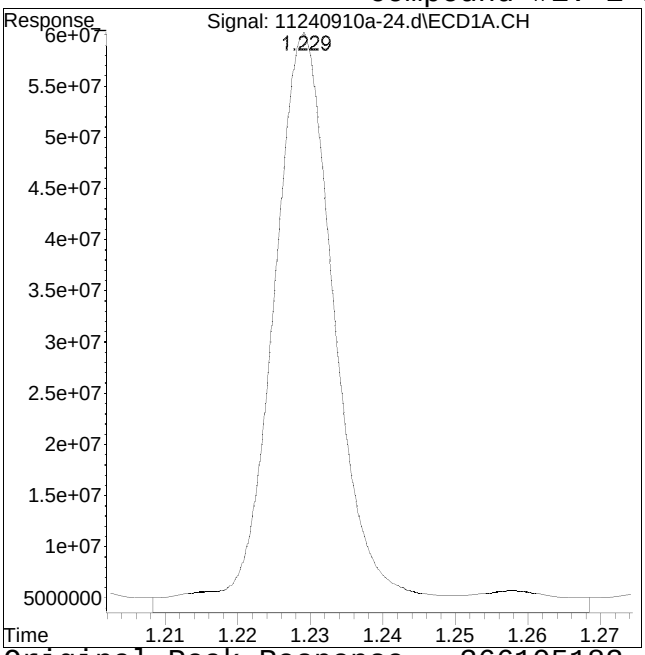
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



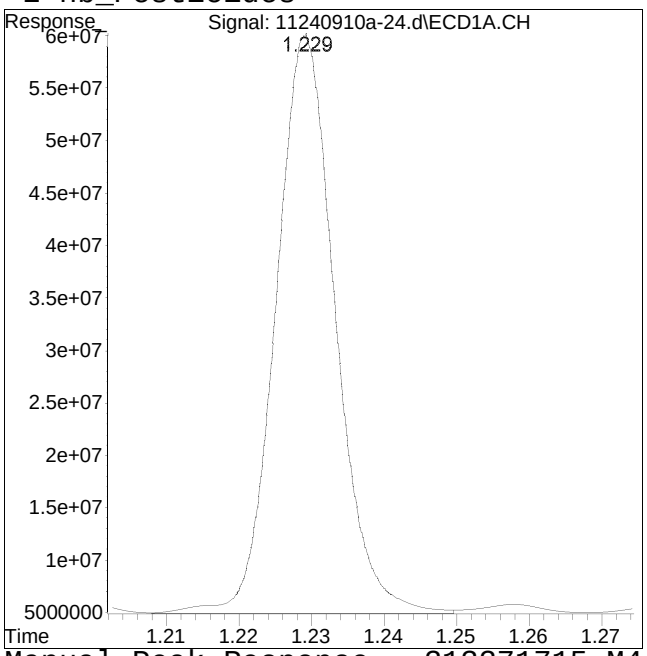
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 366105183



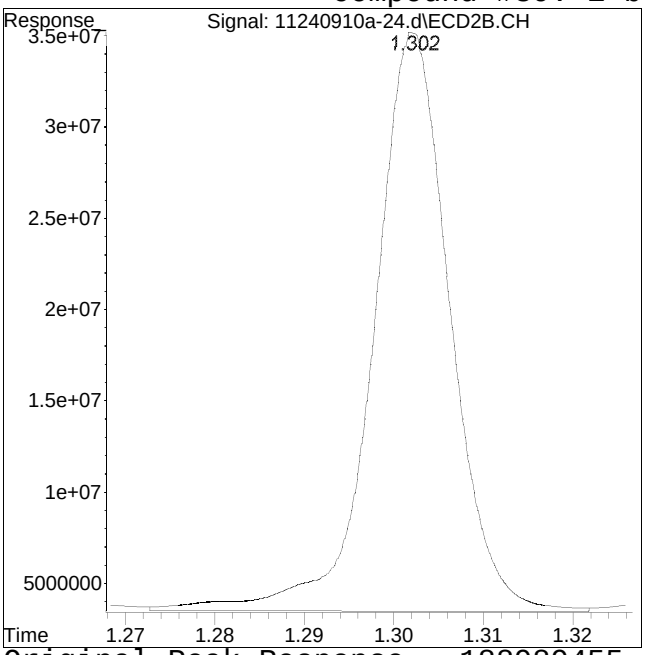
Manual Peak Response = 313371715 M4

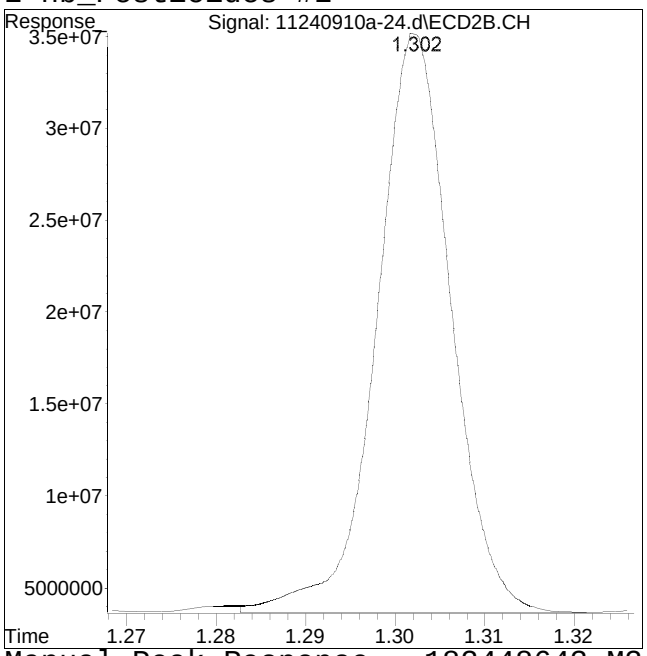
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



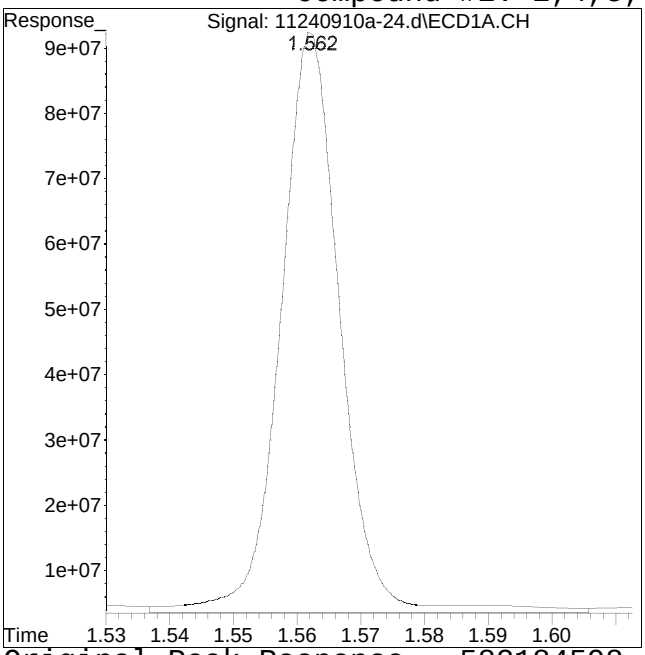


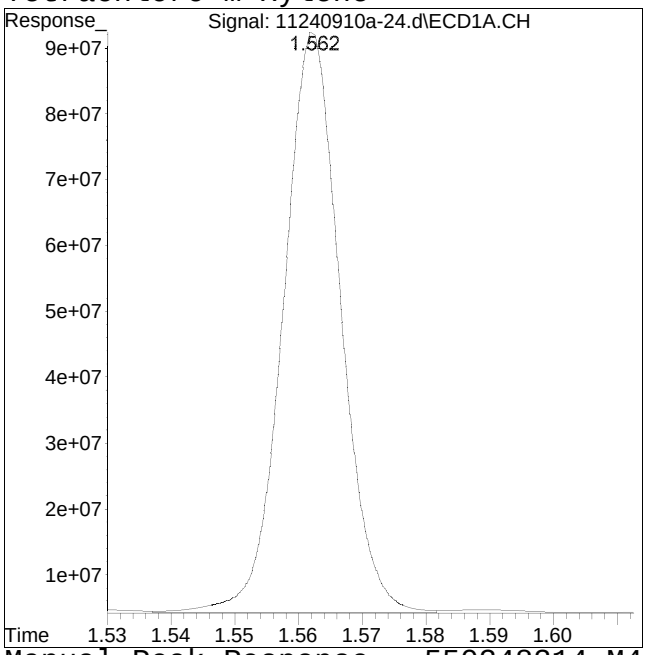
Original Peak Response = 188989455 Manual Peak Response = 182448643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



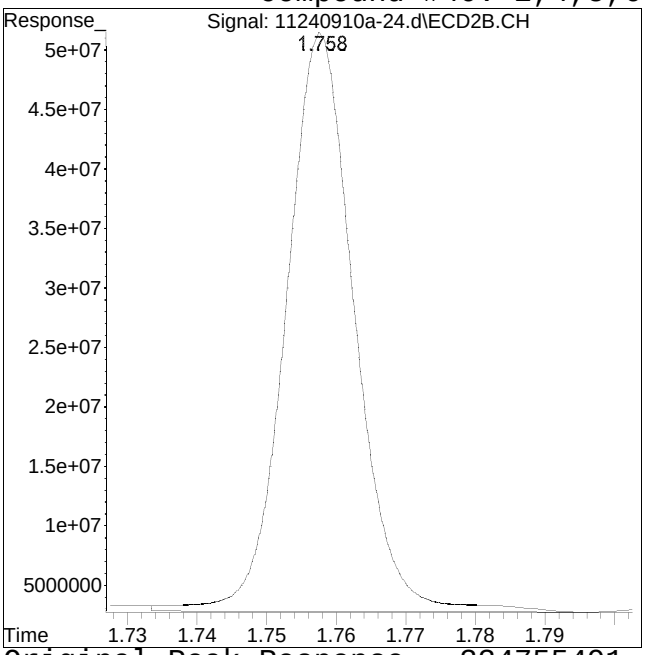


Original Peak Response = 582184598 Manual Peak Response = 550348314 M4
M4 = Poor automated baseline construction.

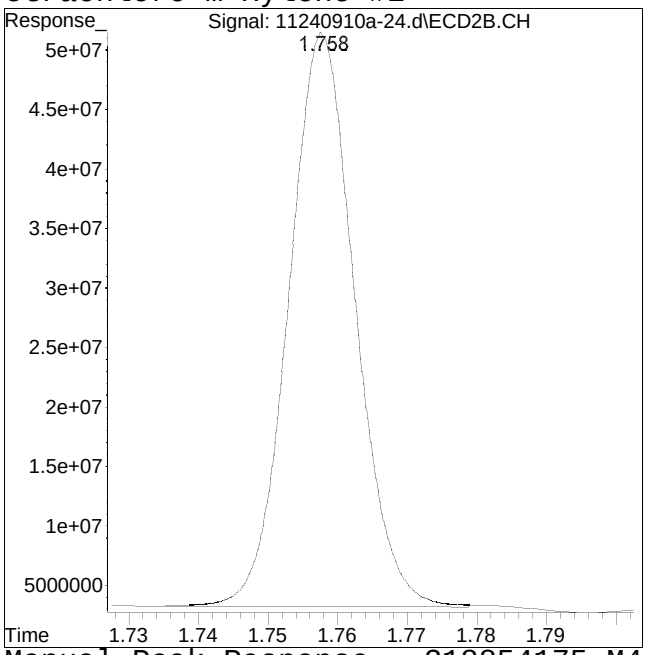
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 334755491



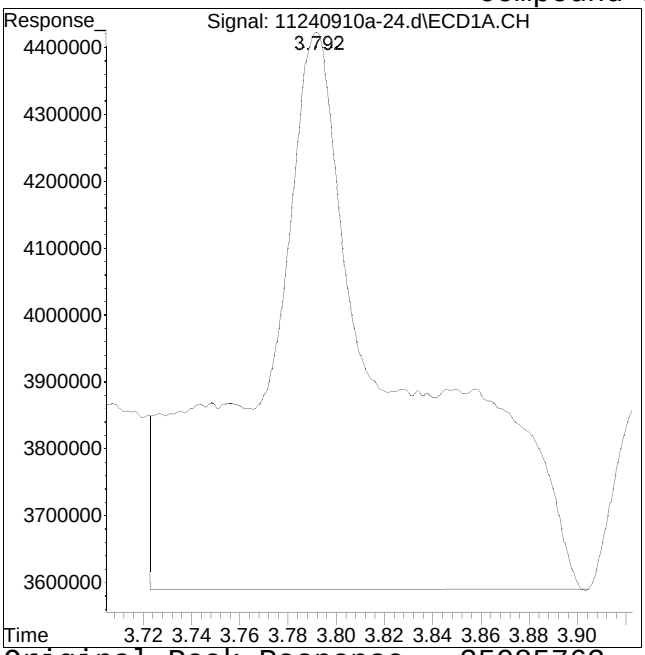
Manual Peak Response = 318854175 M4

M4 = Poor automated baseline construction.

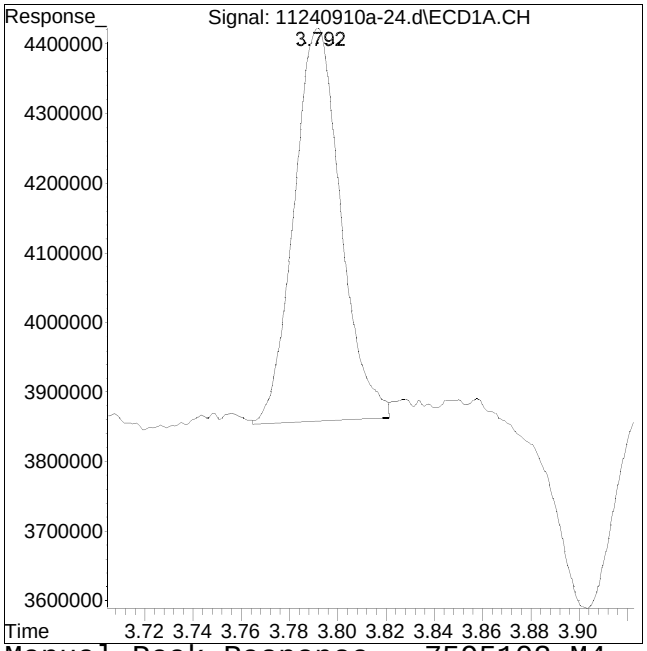
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #17: Dieldrin



Original Peak Response = 35085763



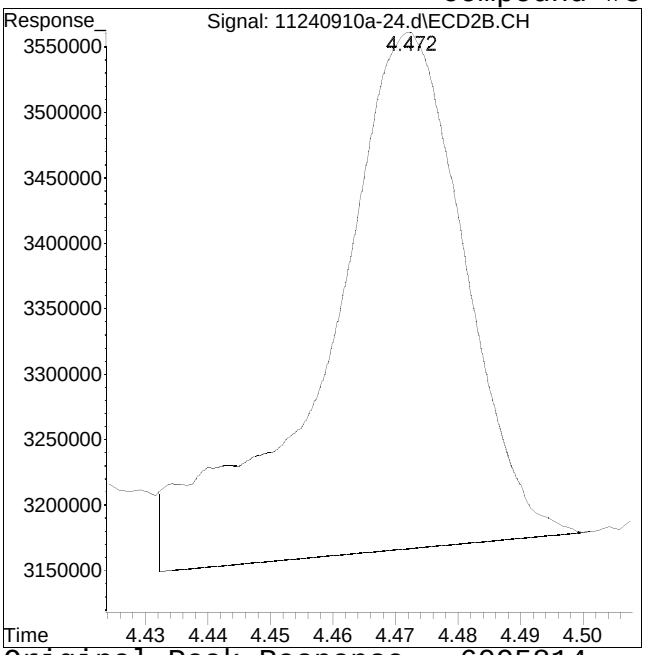
Manual Peak Response = 7595102 M4

M4 = Poor automated baseline construction.

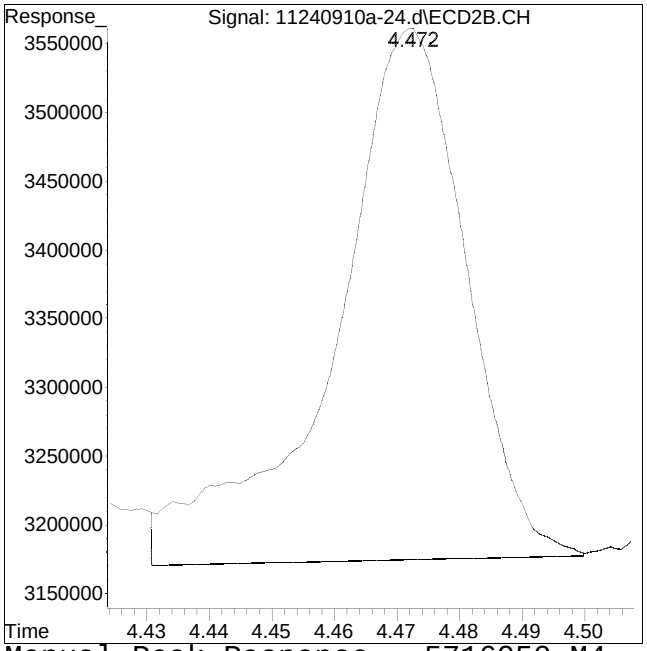
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #55: Dieldrin #2



Original Peak Response = 6095814



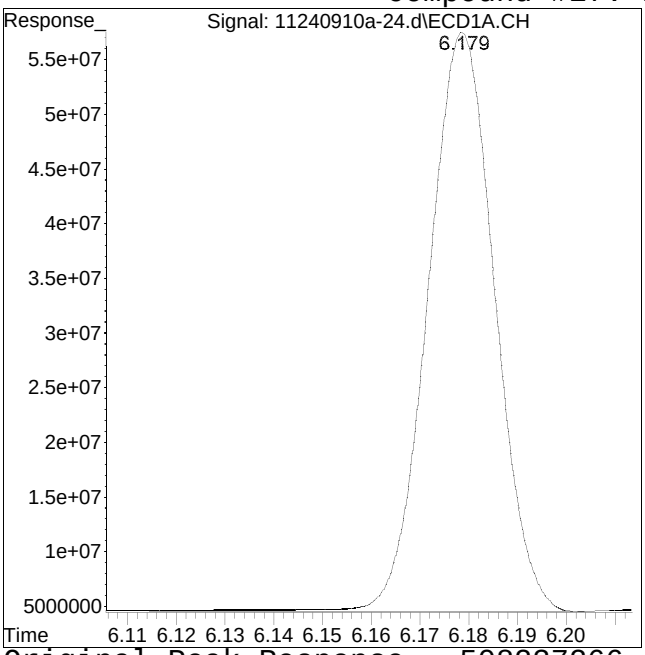
Manual Peak Response = 5716050 M4

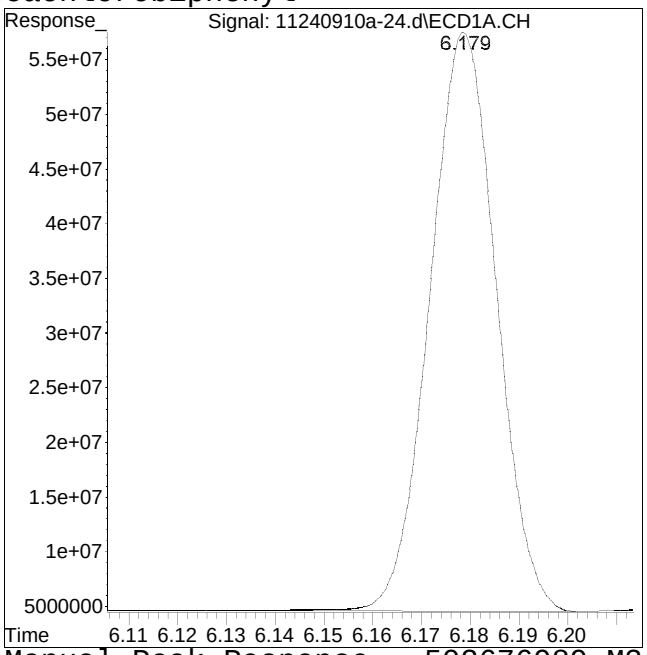
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



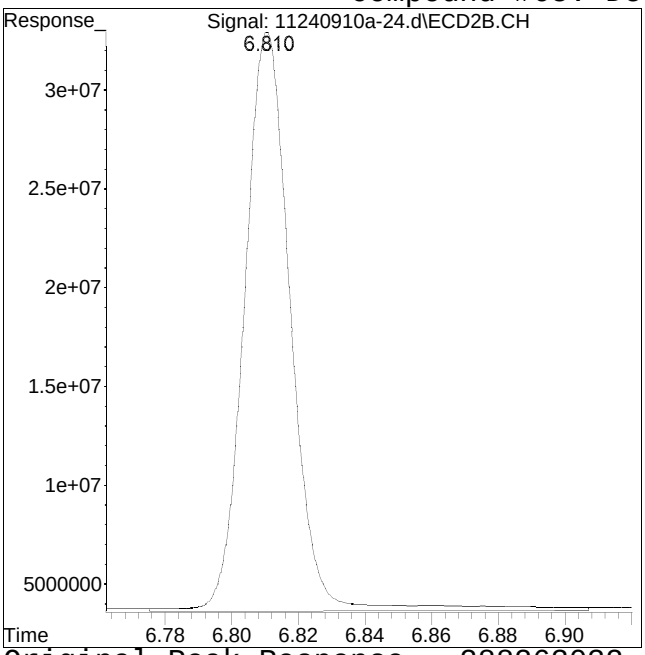


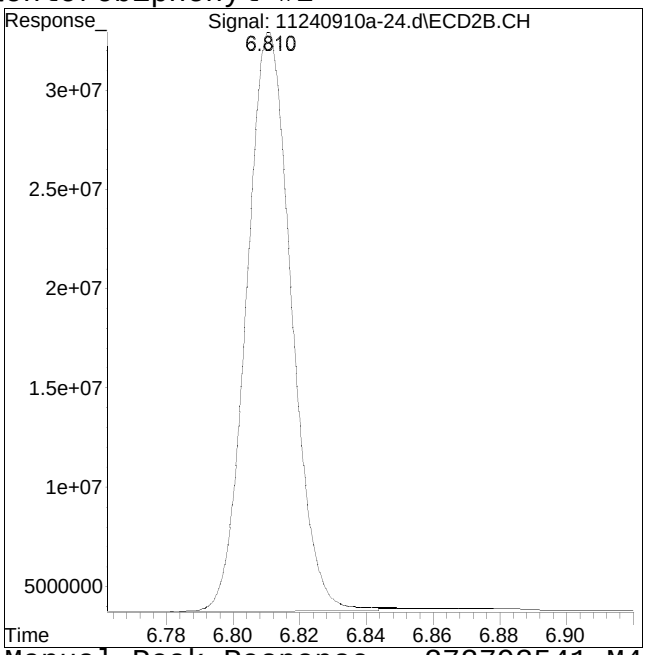
Original Peak Response = 508237266 Manual Peak Response = 502676989 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



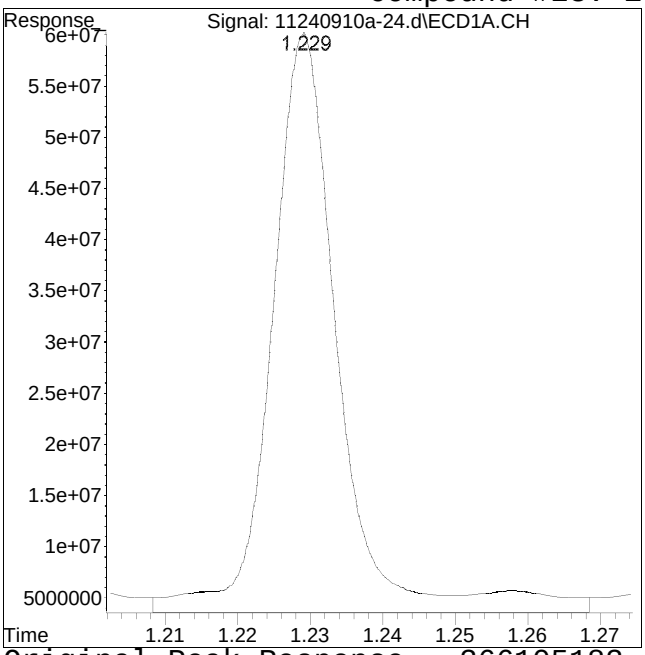


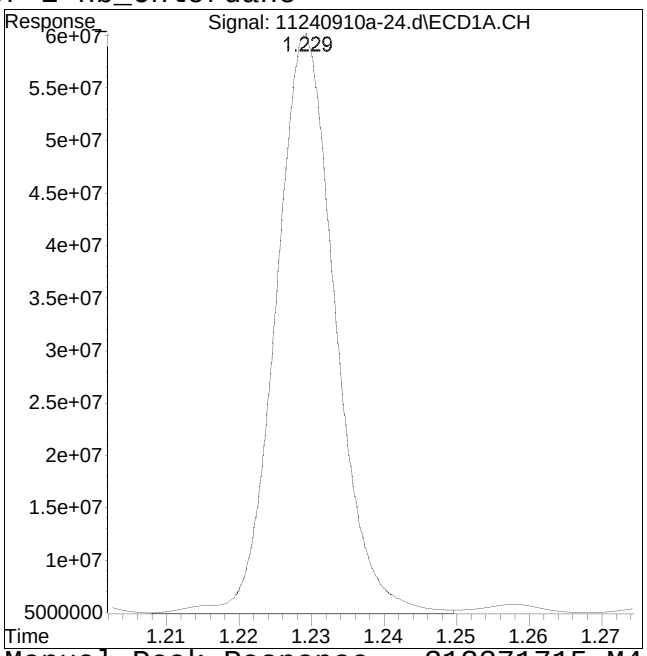
Original Peak Response = 288263032 Manual Peak Response = 272793541 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



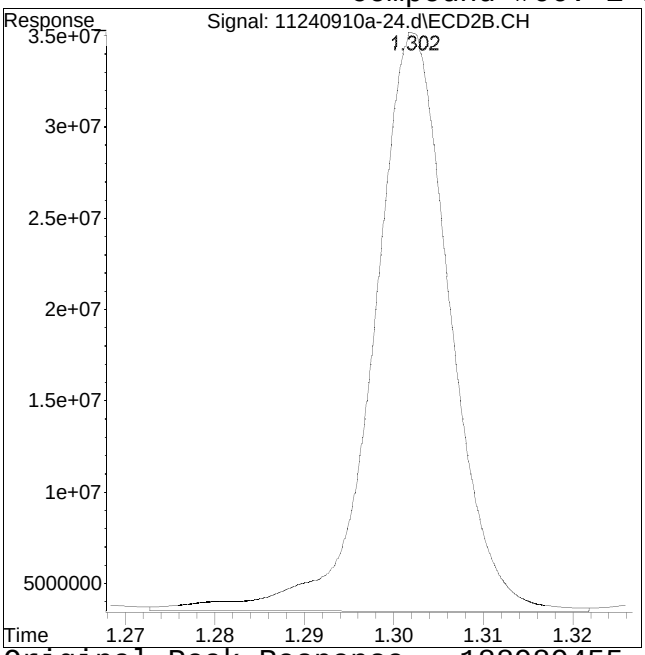


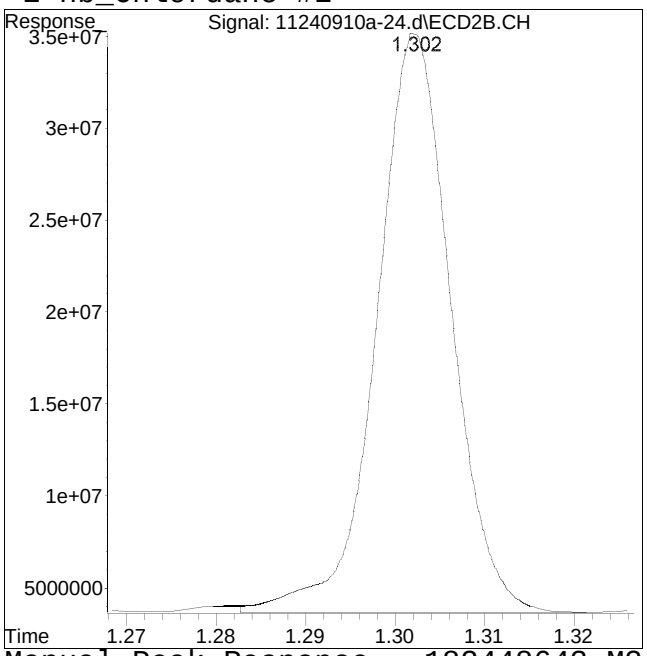
Original Peak Response = 366105183 Manual Peak Response = 313371715 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



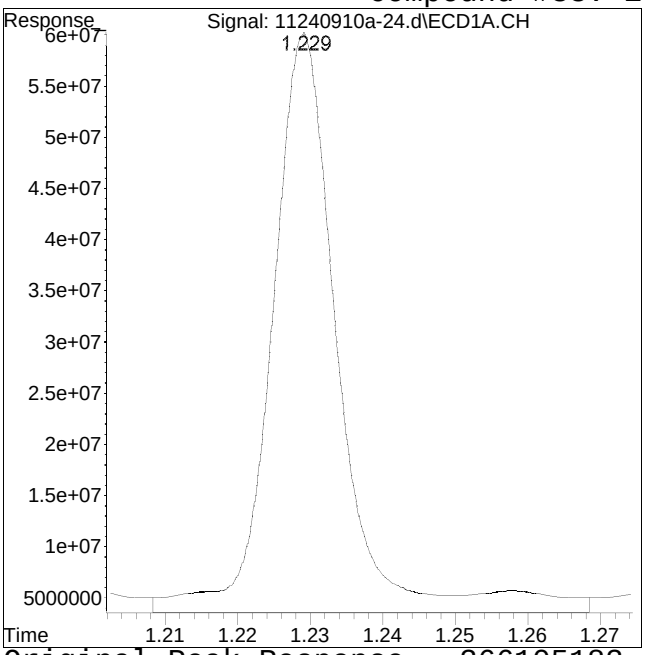


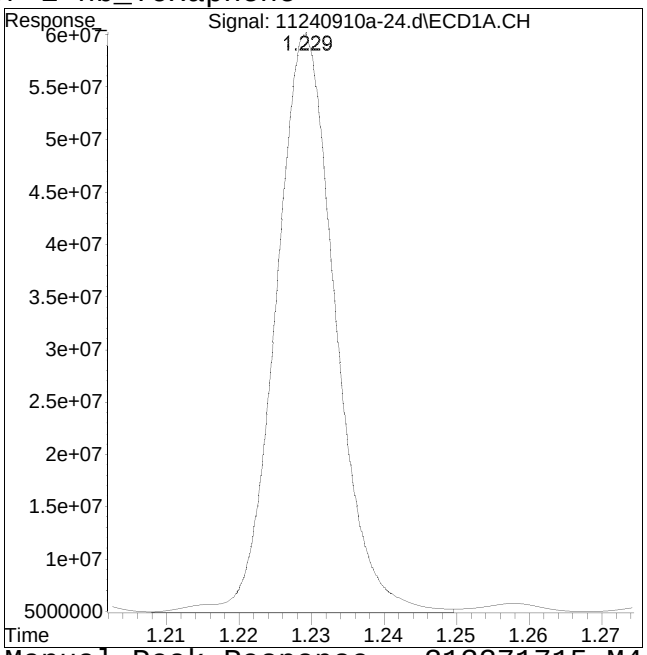
Original Peak Response = 188989455 Manual Peak Response = 182448643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



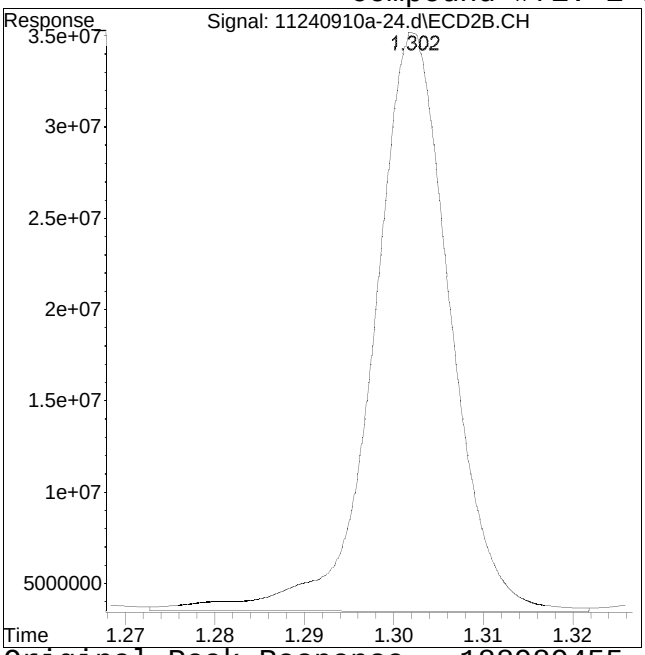


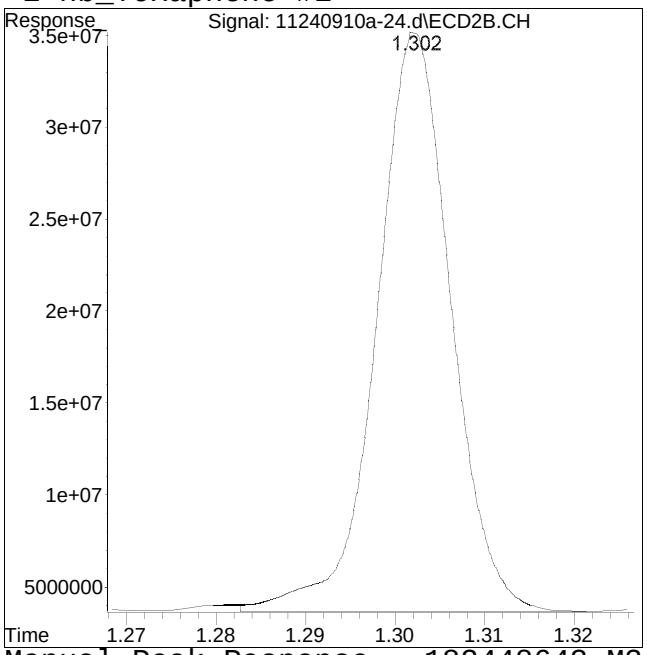
Original Peak Response = 366105183 Manual Peak Response = 313371715 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-24.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:31 Instrument : Pest 11
Sample : L2450786-03,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 188989455 Manual Peak Response = 182448643 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:43
Operator : PEST11:jag
Sample : L2450786-04,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:49 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	308.3E6	177.1E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 115.01%		
	Standard Area 1 : #2 = 176274603				Recovery = 100.48%		
28) i	1-br-2-nb_Ch	1.229	1.302	308.3E6	177.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	308.3E6	177.1E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	522.7E6	309.8E6	40.800M3	39.258M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 81.60%		78.52%
27) s	Decachlorobi	6.179	6.810	511.6E6	275.0E6	35.678M4	36.617M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.36%		73.23%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	3.792	4.473	19908186	11335753	1.422M4	1.205M4

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:43
Operator : PEST11:jag
Sample : L2450786-04,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:49 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	4.467	5.196	11852662	5657962	0.908M3	0.639M3
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

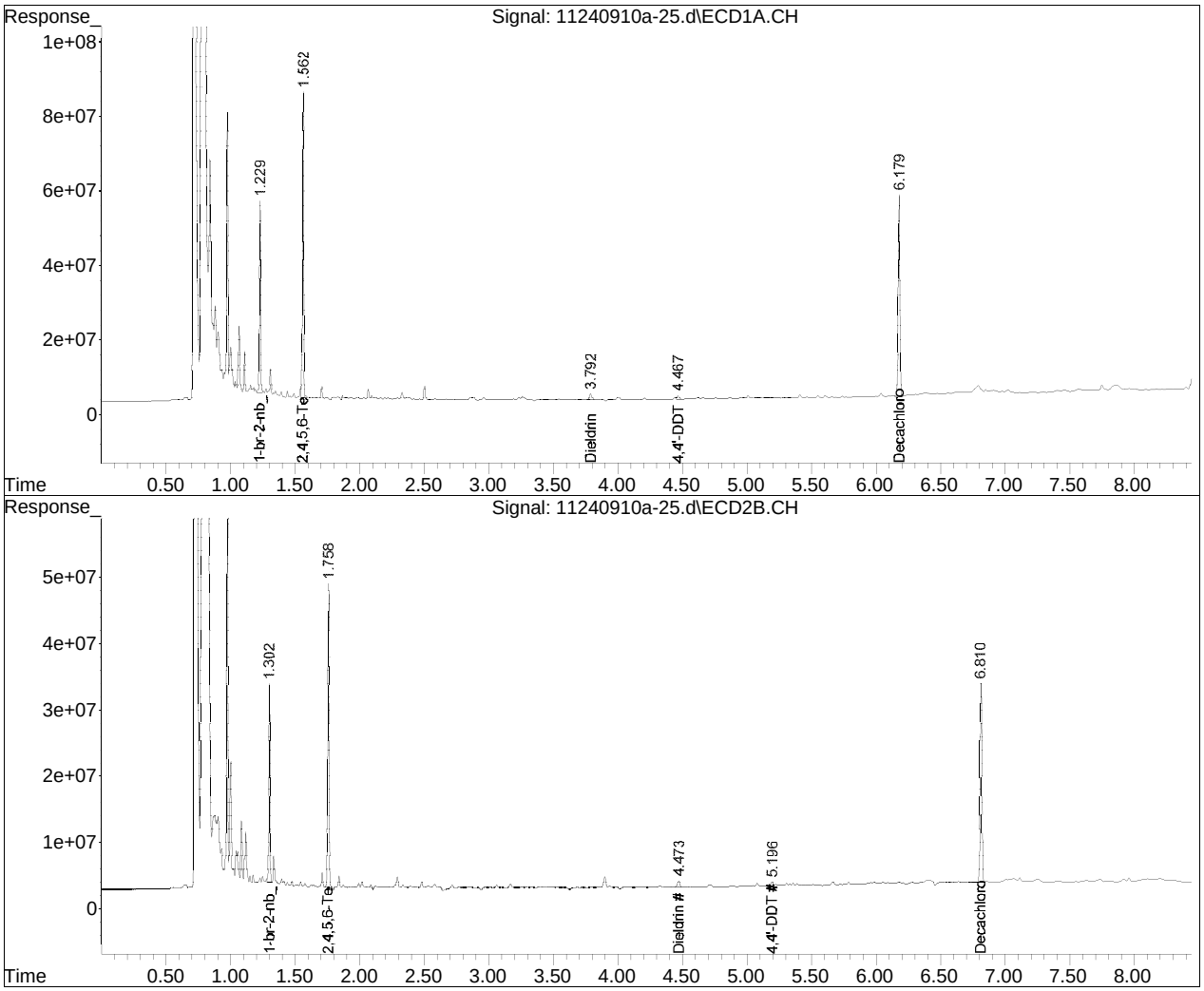
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:43
Operator : PEST11:jag
Sample : L2450786-04,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:49 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

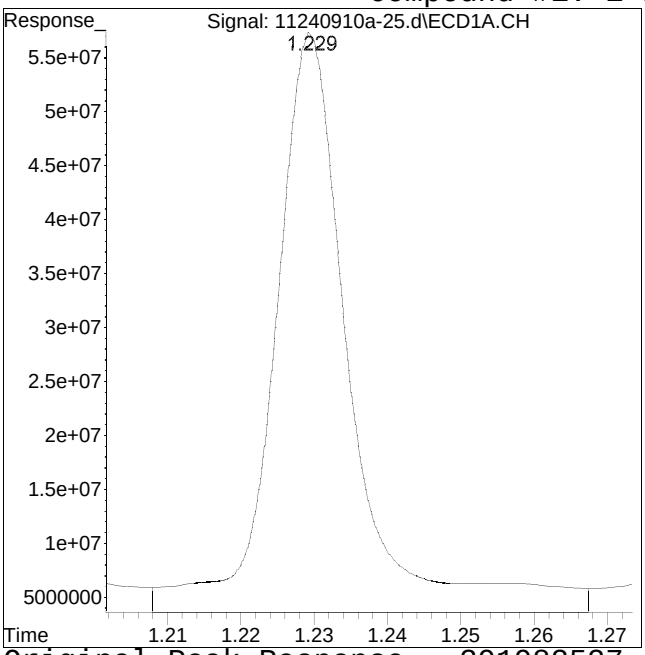
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

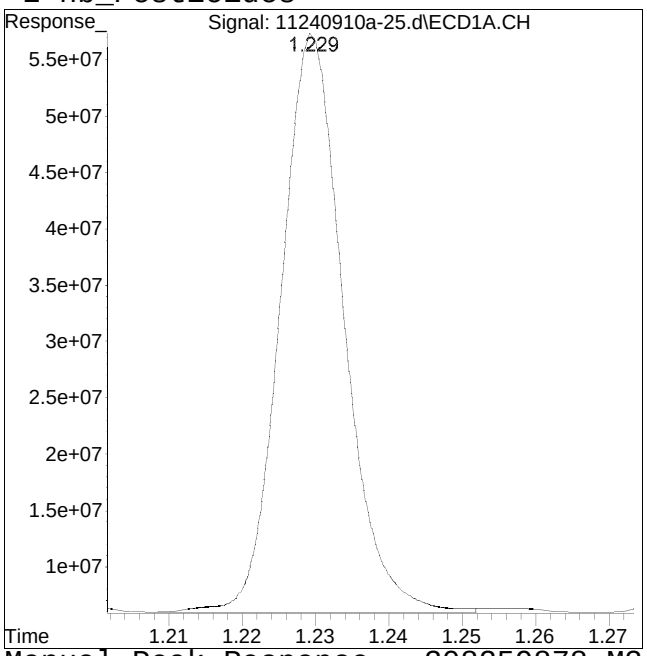


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



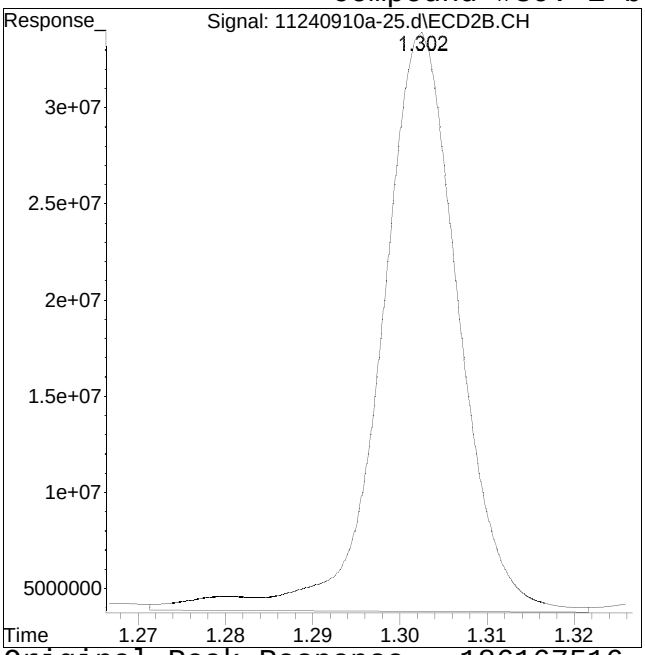


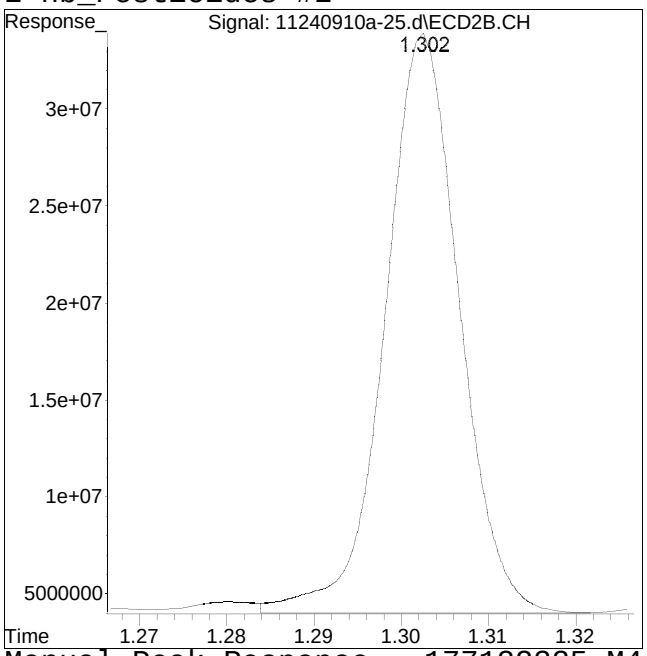
Original Peak Response = 391982527 Manual Peak Response = 308259878 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



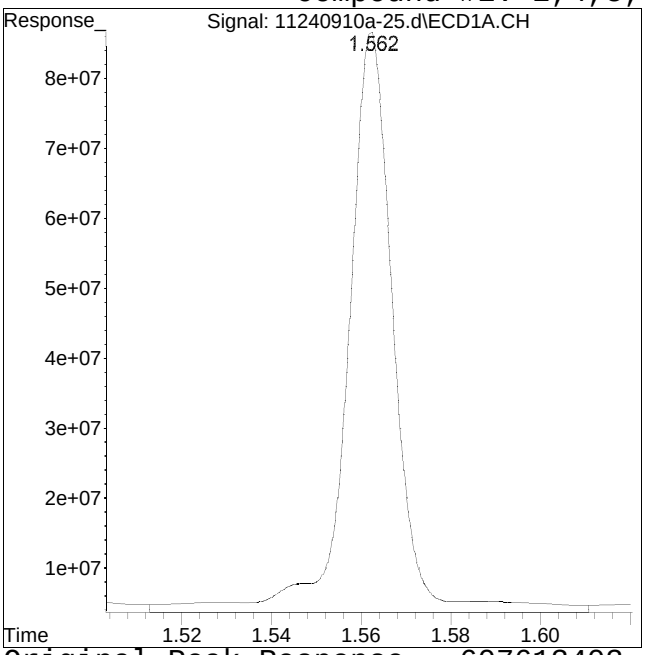


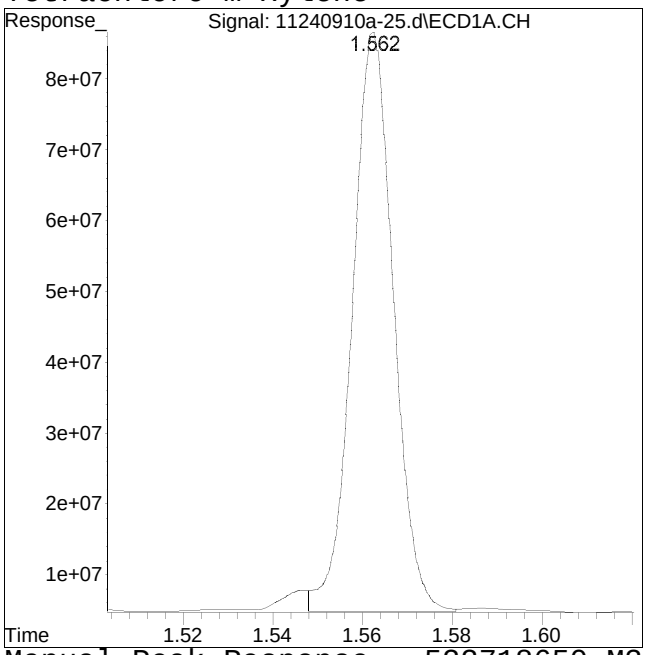
Original Peak Response = 186167516 Manual Peak Response = 177122325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



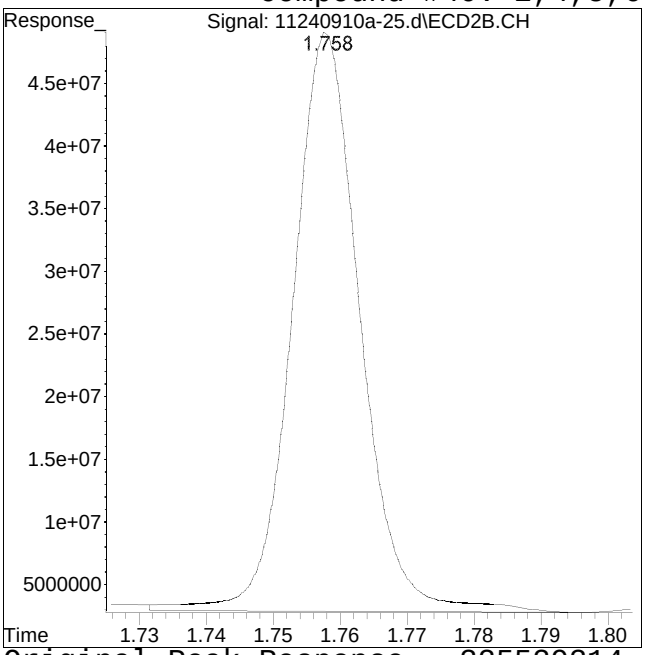


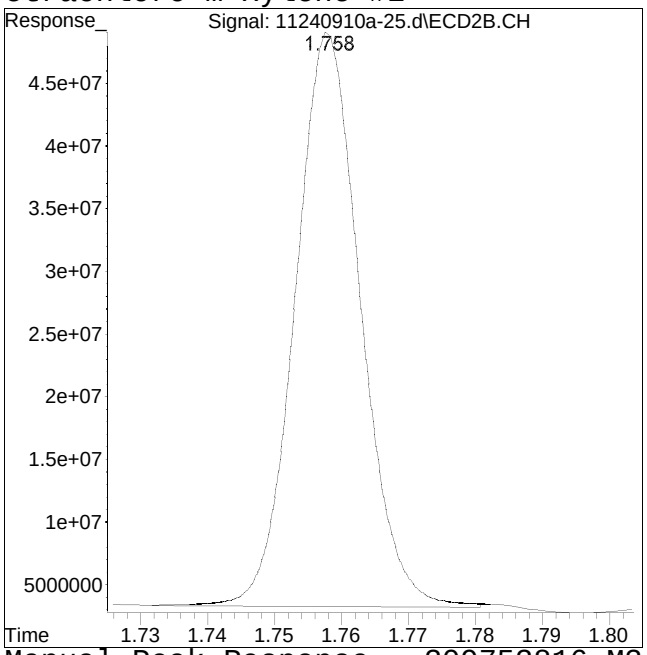
Original Peak Response = 607613403 Manual Peak Response = 522718650 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



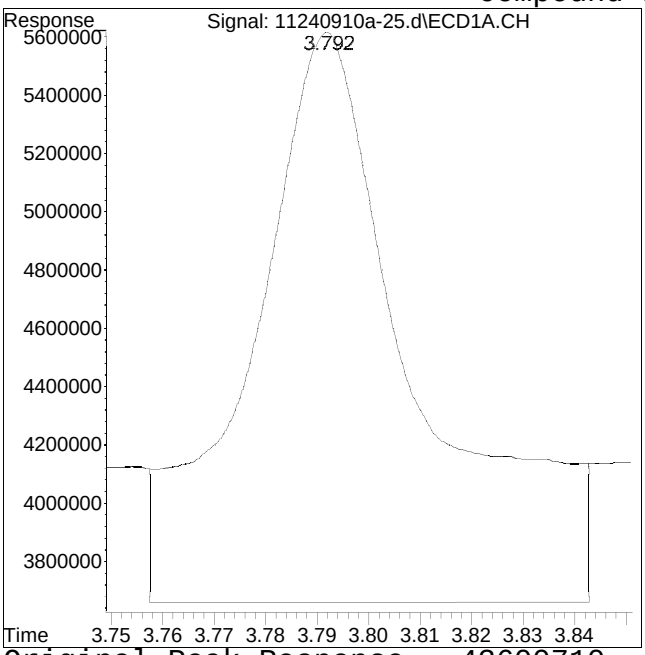


Original Peak Response = 325529314 Manual Peak Response = 309753816 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

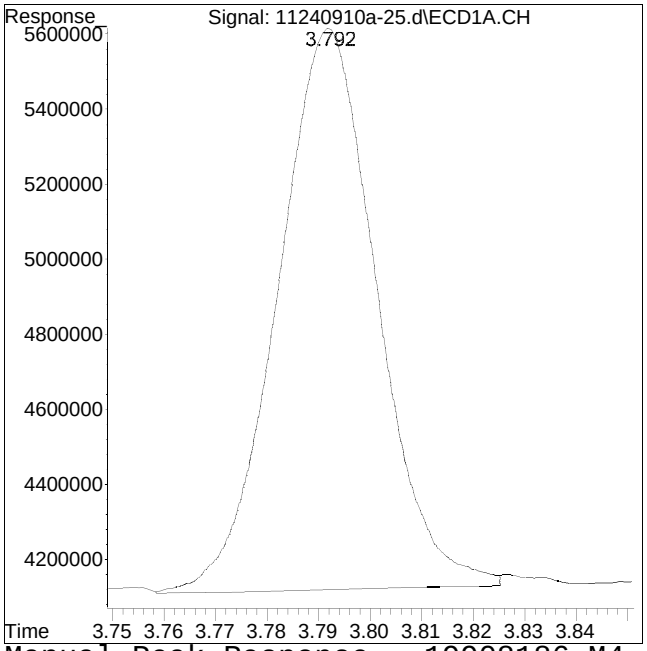
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #17: Dieldrin



Original Peak Response = 43600710



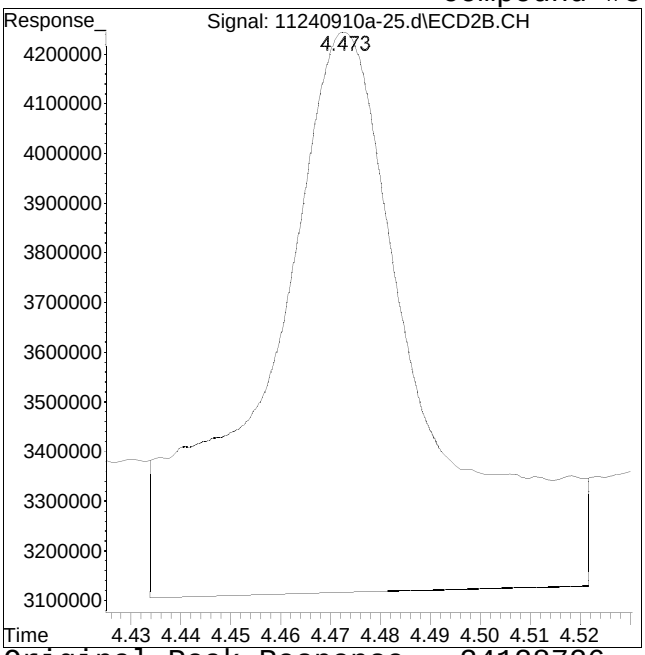
Manual Peak Response = 19908186 M4

M4 = Poor automated baseline construction.

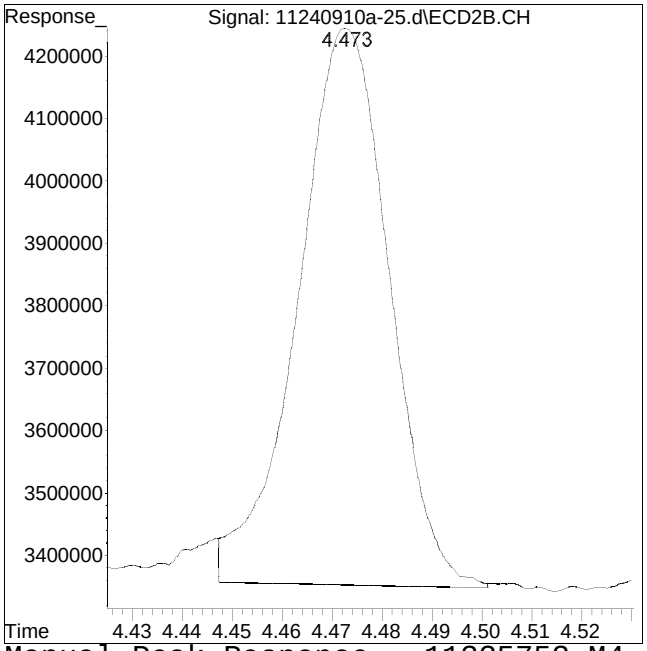
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #55: Dieldrin #2



Original Peak Response = 24128726



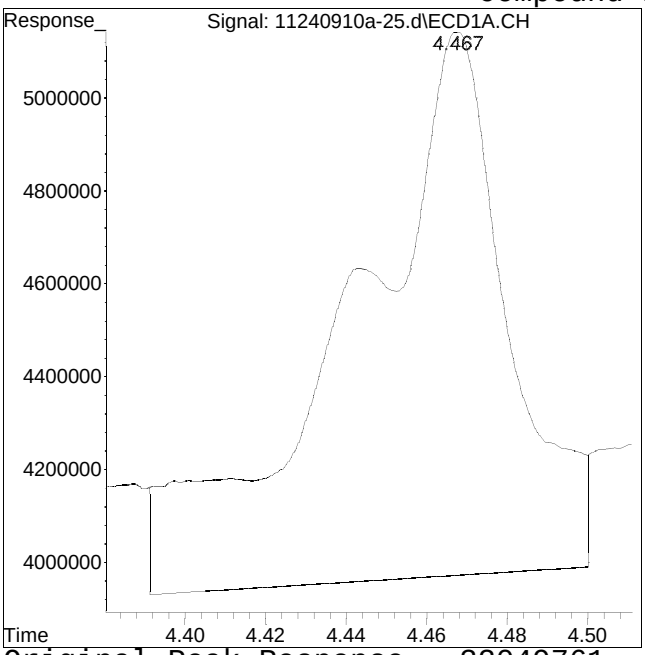
Manual Peak Response = 11335753 M4

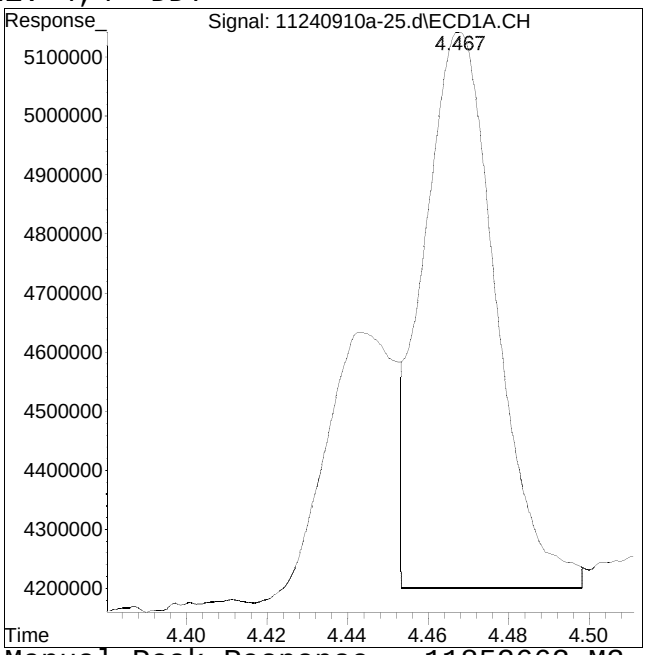
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #21: 4,4'-DDT



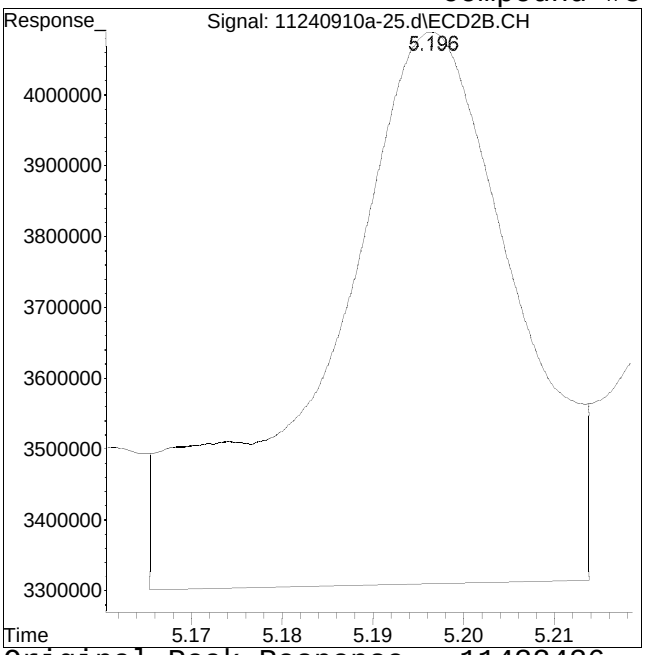


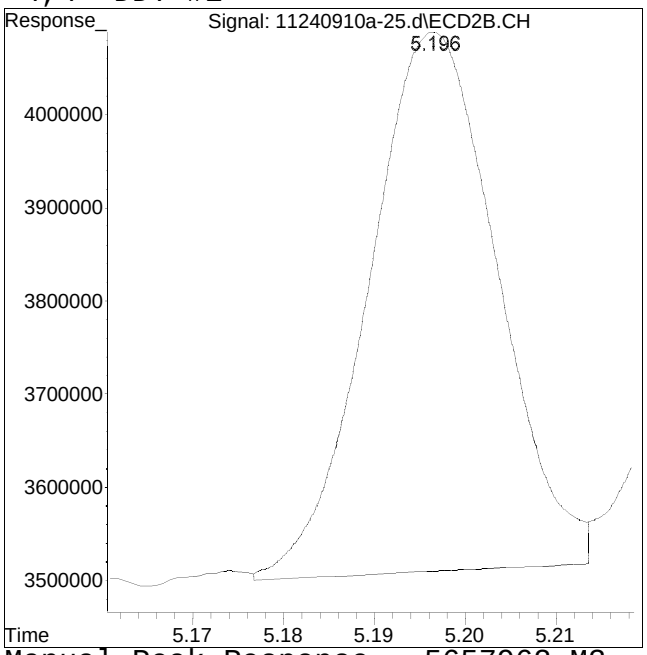
Original Peak Response = 32049761 Manual Peak Response = 11852662 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #59: 4,4'-DDT #2



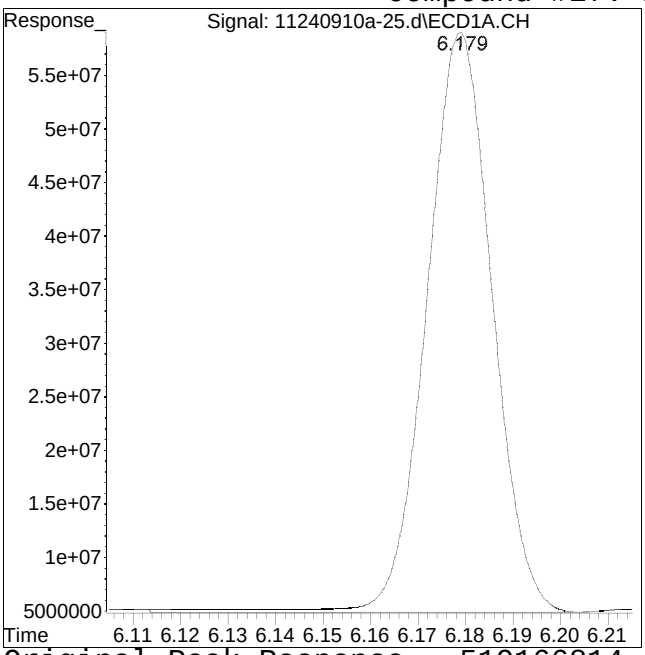


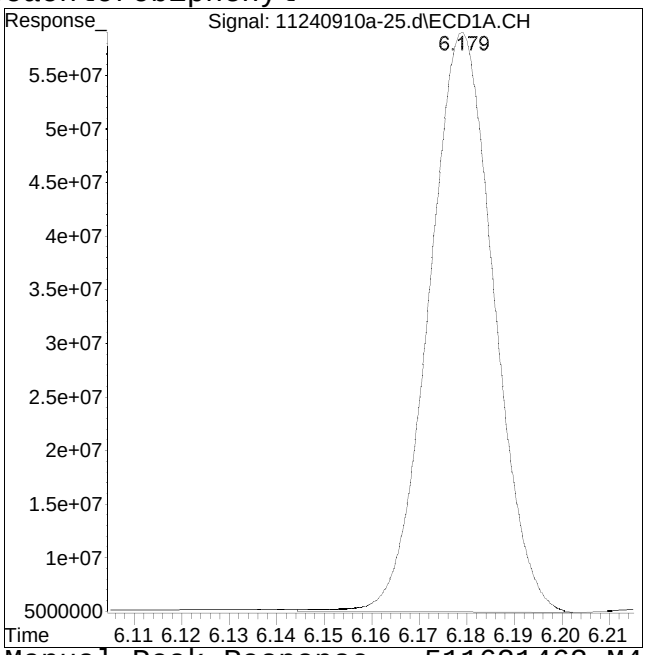
Original Peak Response = 11432436 Manual Peak Response = 5657962 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



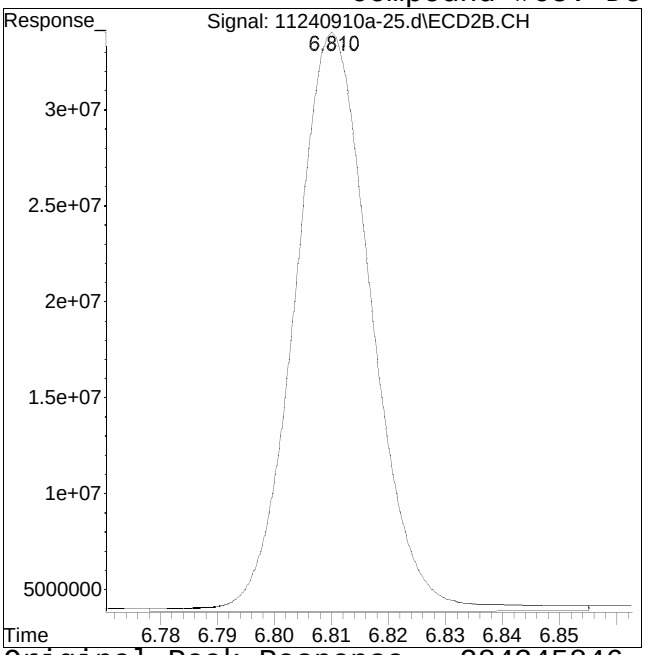


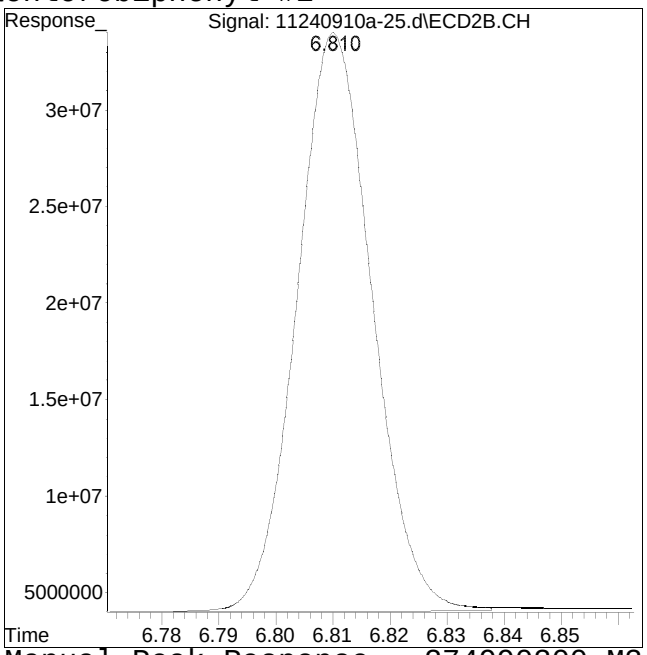
Original Peak Response = 519166814 Manual Peak Response = 511621462 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



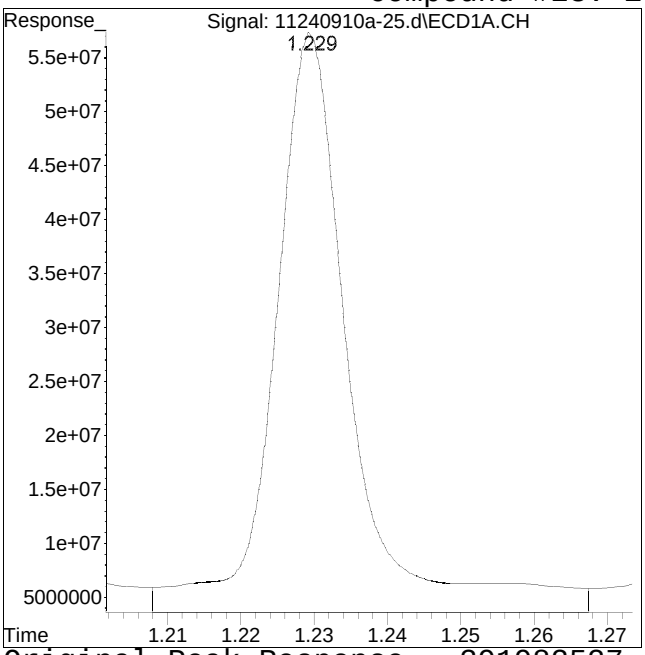


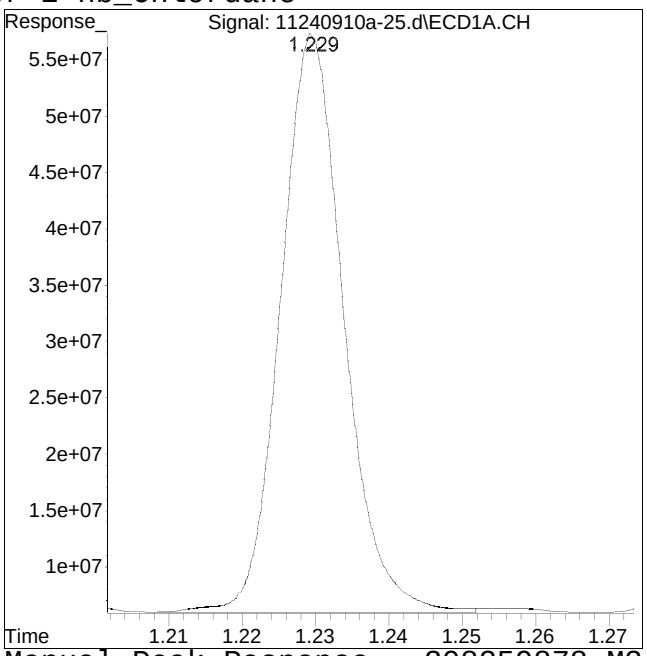
Original Peak Response = 284345846 Manual Peak Response = 274990300 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



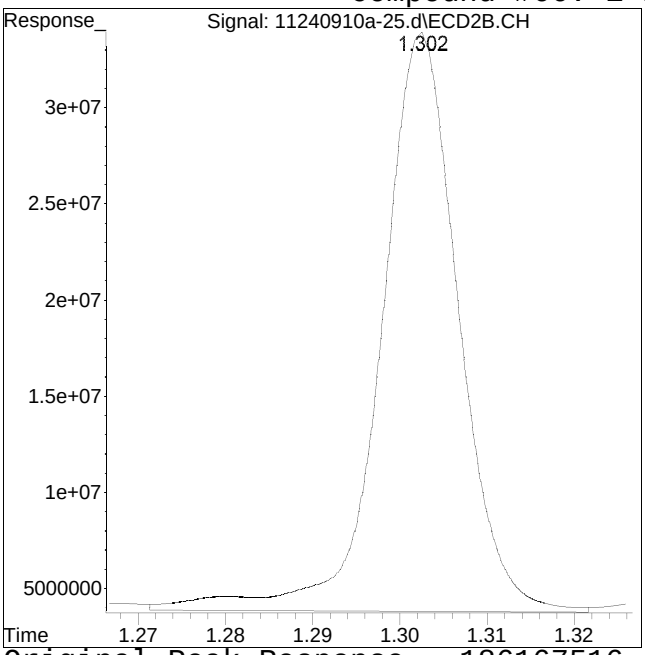


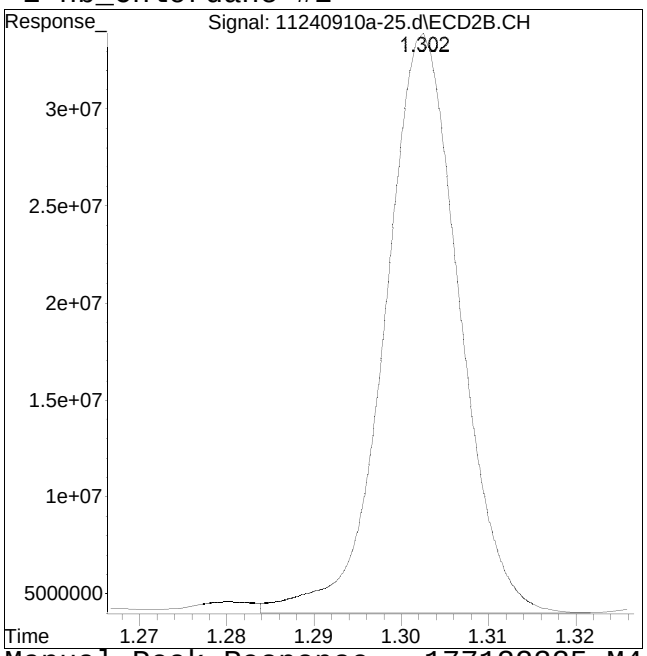
Original Peak Response = 391982527 Manual Peak Response = 308259878 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



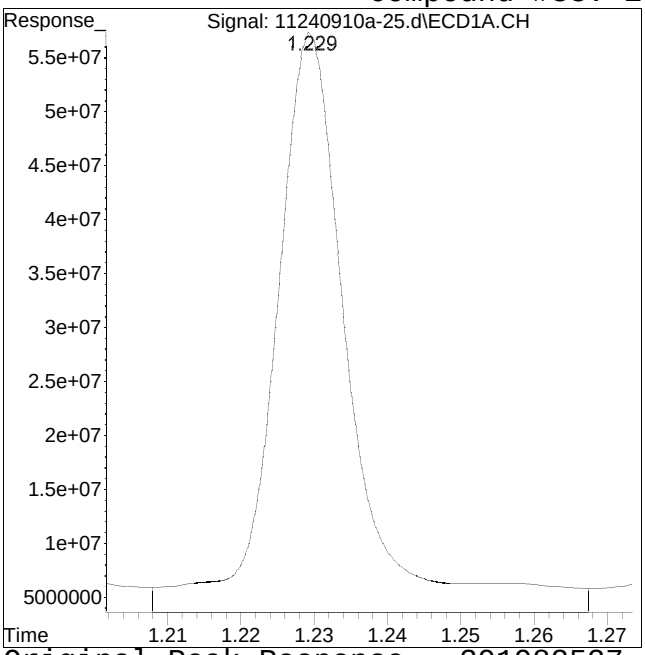


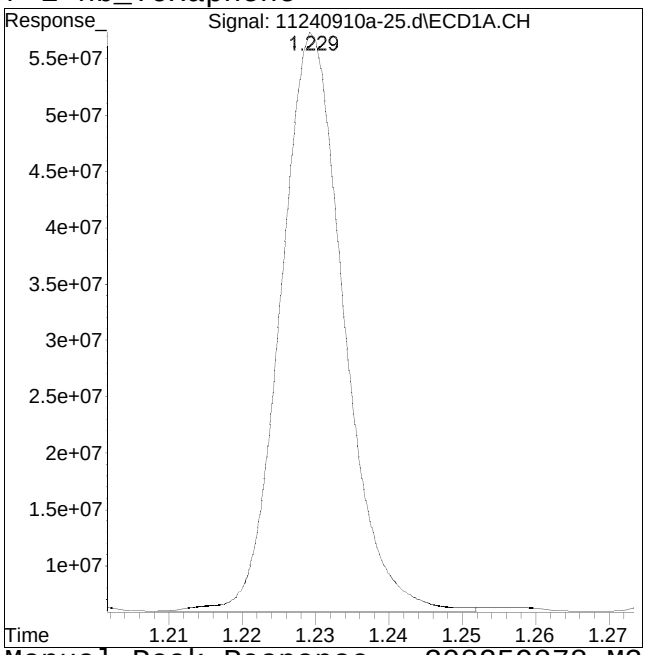
Original Peak Response = 186167516 Manual Peak Response = 177122325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



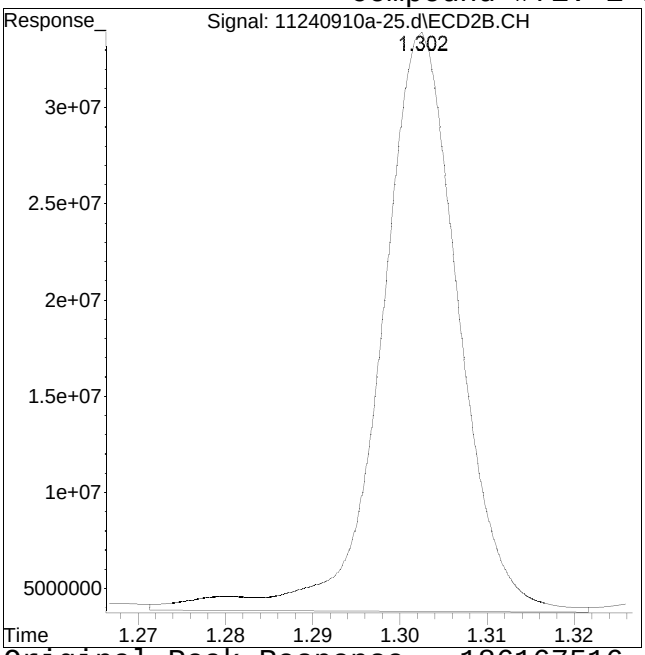


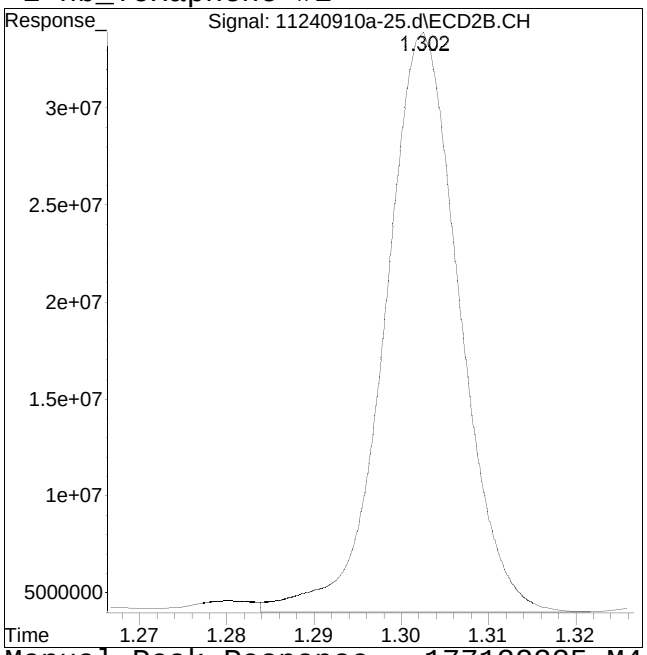
Original Peak Response = 391982527 Manual Peak Response = 308259878 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-25.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:43 Instrument : Pest 11
Sample : L2450786-04,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 186167516 Manual Peak Response = 177122325 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:55
Operator : PEST11:jag
Sample : L2450786-05,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:51 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	300.8E6	180.9E6	25.000M4	25.000M3
	Standard Area 1 : #1 = 268032417				Recovery = 112.21%		
	Standard Area 1 : #2 = 176274603				Recovery = 102.63%		
28) i	1-br-2-nb_Ch	1.229	1.302	300.8E6	180.9E6	25.000M4	25.000M3
33) i	1-br-2-nb_To	1.229	1.302	300.8E6	180.9E6	25.000M4	25.000M3
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	508.7E6	293.7E6	40.697M3	36.444M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 81.39%		72.89%
27) s	Decachlorobi	6.179	6.811	483.6E6	257.6E6	34.565M4	33.587M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 69.13%		67.17%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	3.791	4.473	27566700	13932248	2.019M4	1.451M4

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:55
Operator : PEST11:jag
Sample : L2450786-05,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:51 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	4.467	5.196	6952102	3518556	0.546M4	0.389M4
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

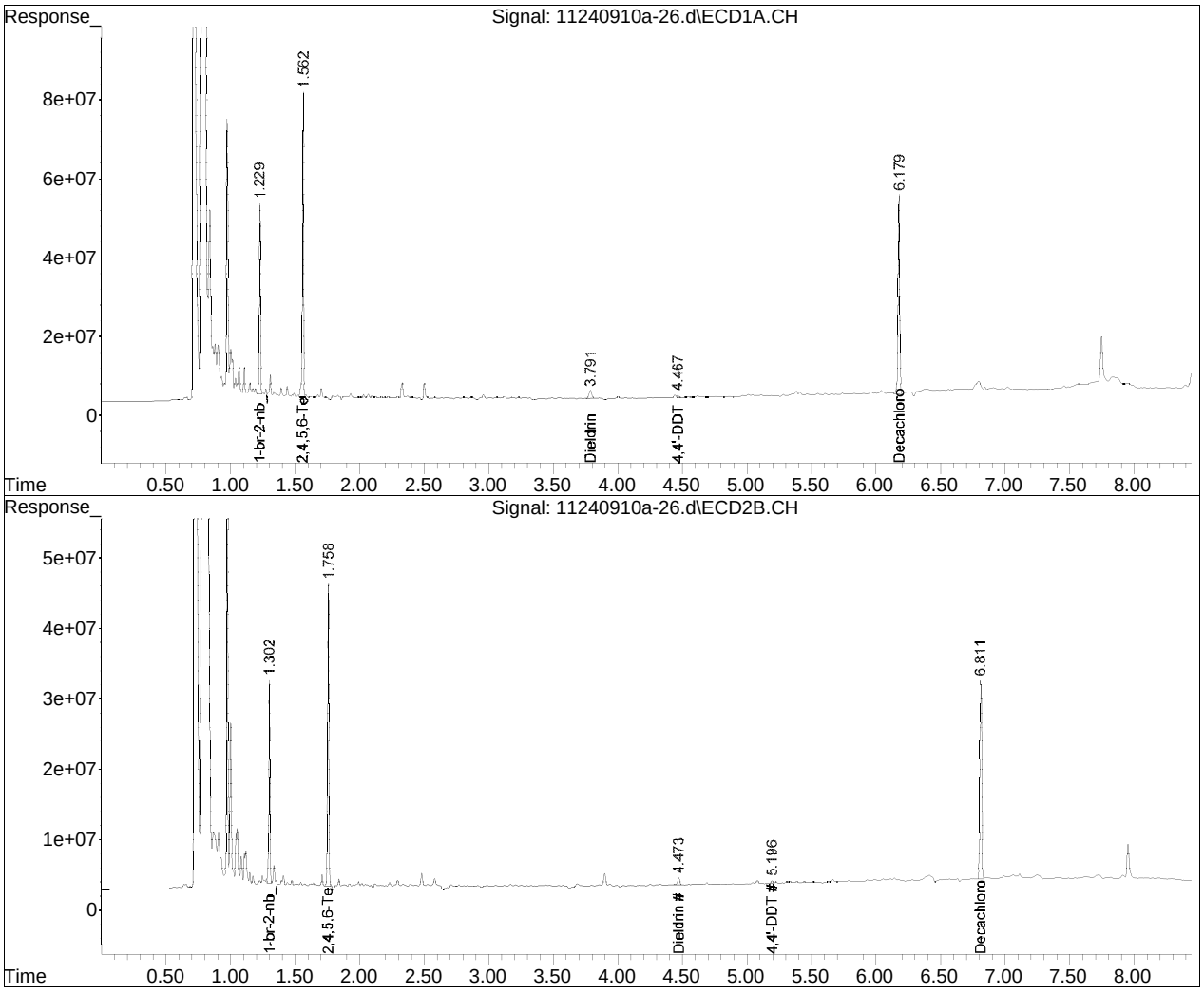
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 13:55
Operator : PEST11:jag
Sample : L2450786-05,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:51 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

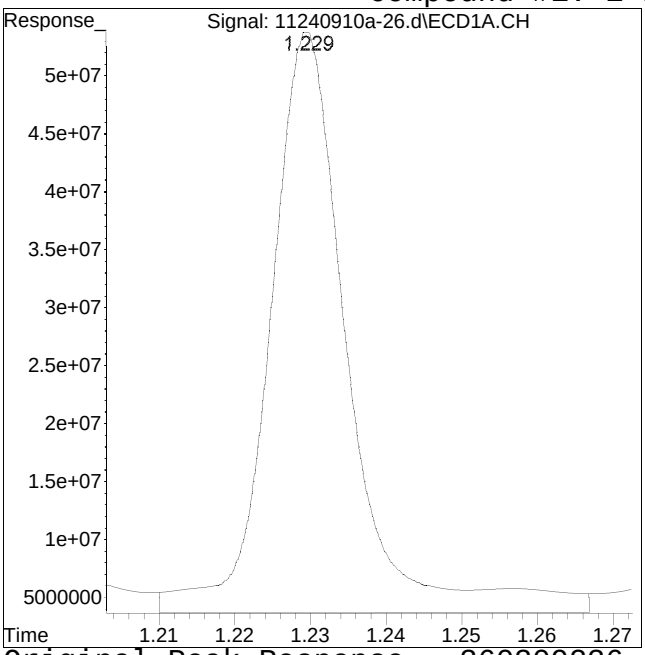
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

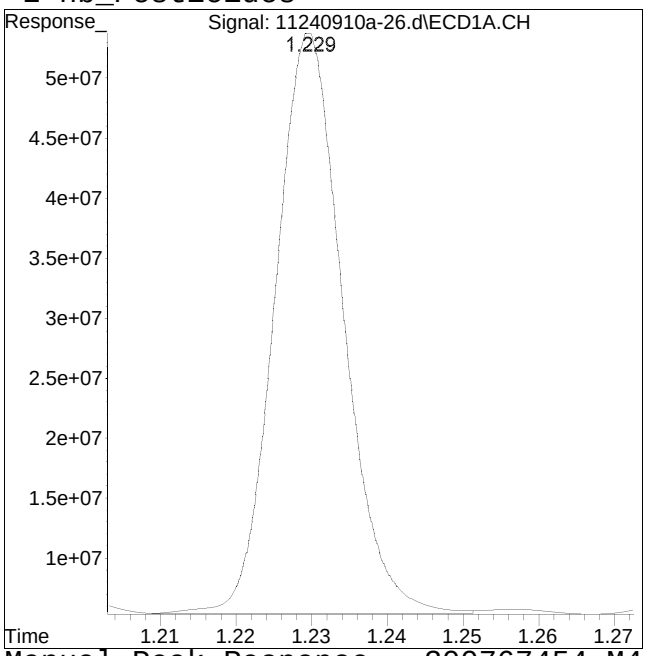


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



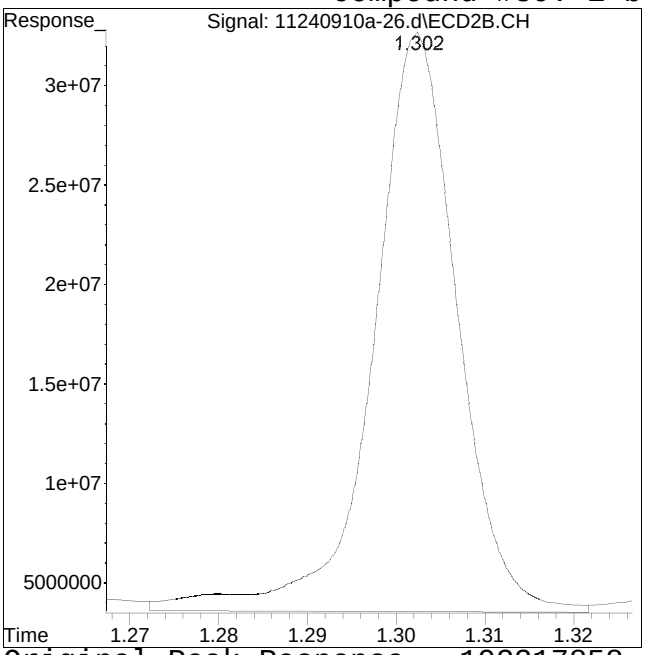


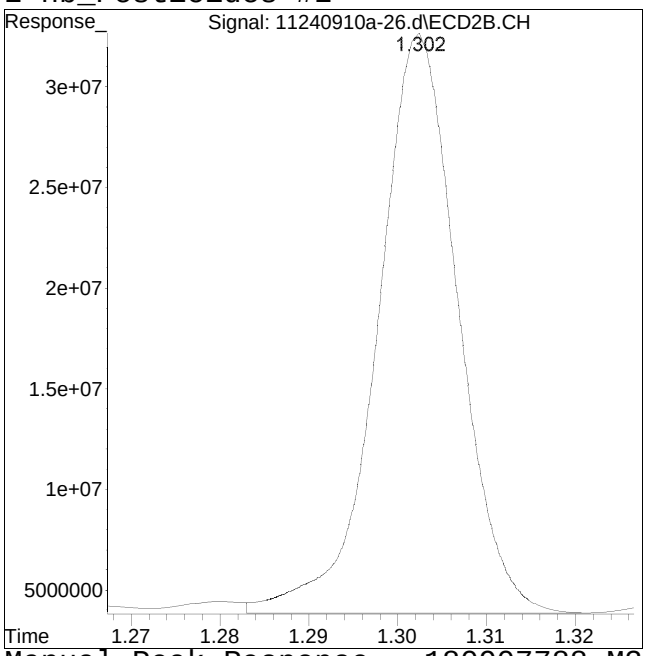
Original Peak Response = 360309236 Manual Peak Response = 300767454 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



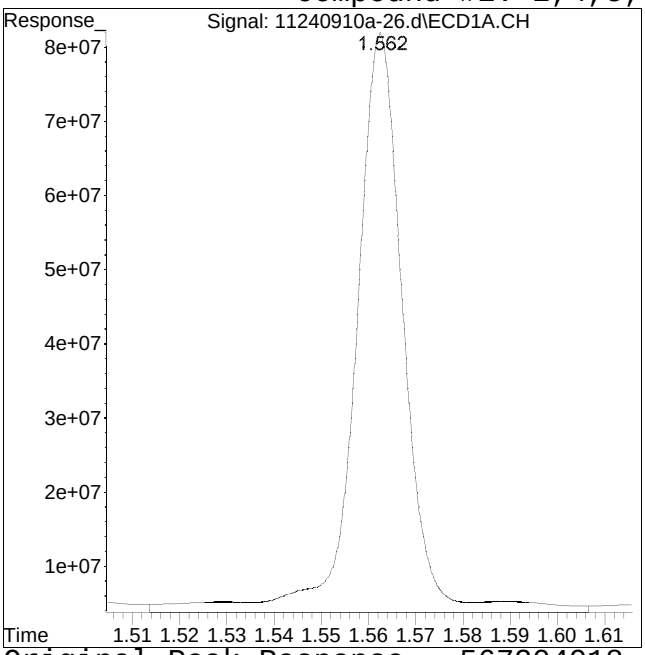


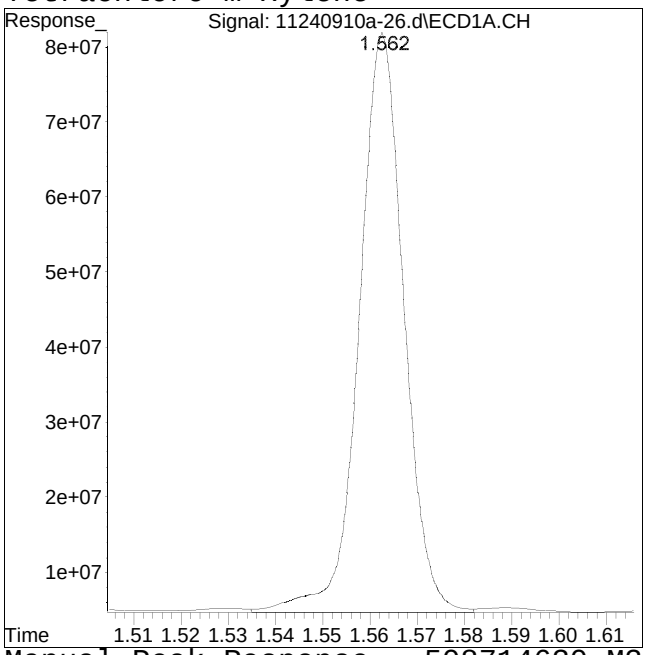
Original Peak Response = 192317858 Manual Peak Response = 180907788 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



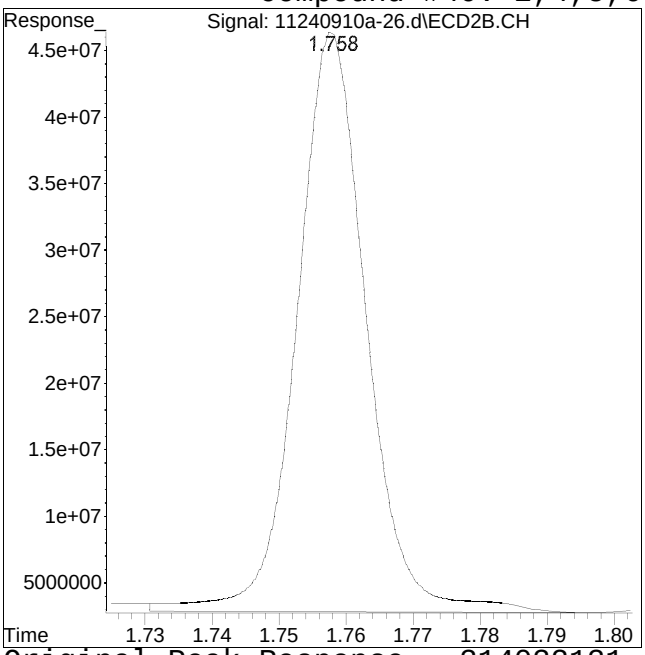


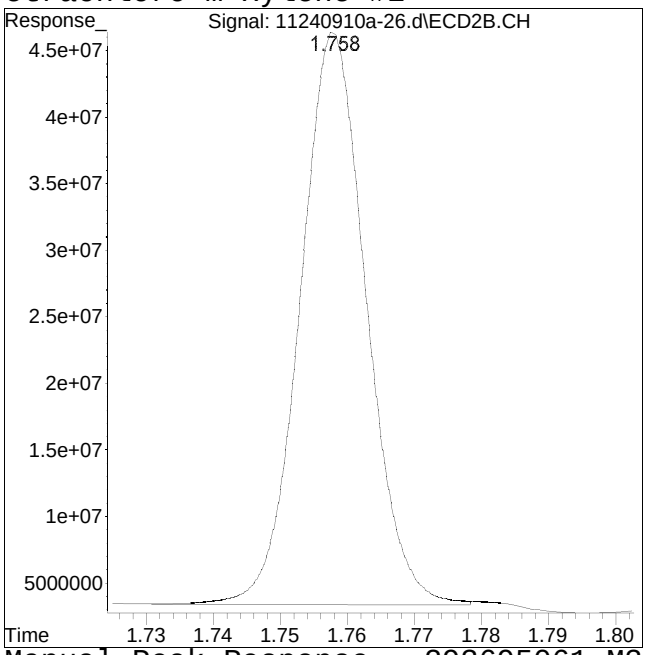
Original Peak Response = 567204918 Manual Peak Response = 508714630 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



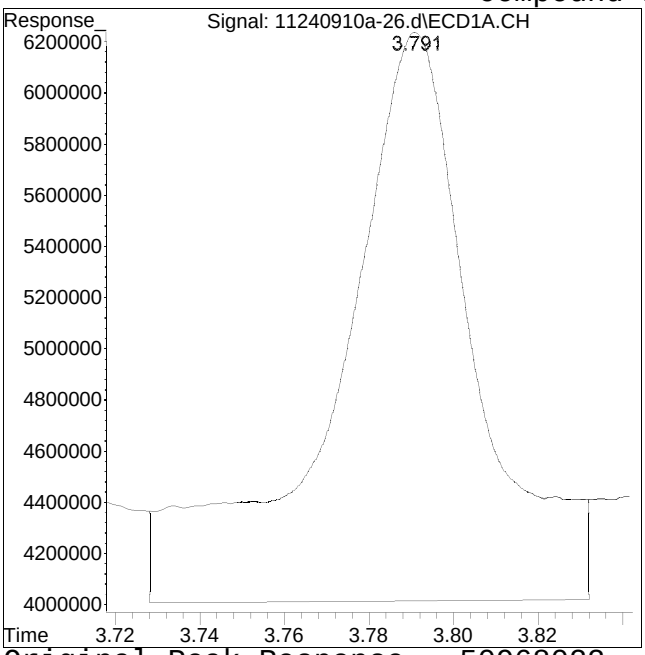


Original Peak Response = 314032131 Manual Peak Response = 293695061 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

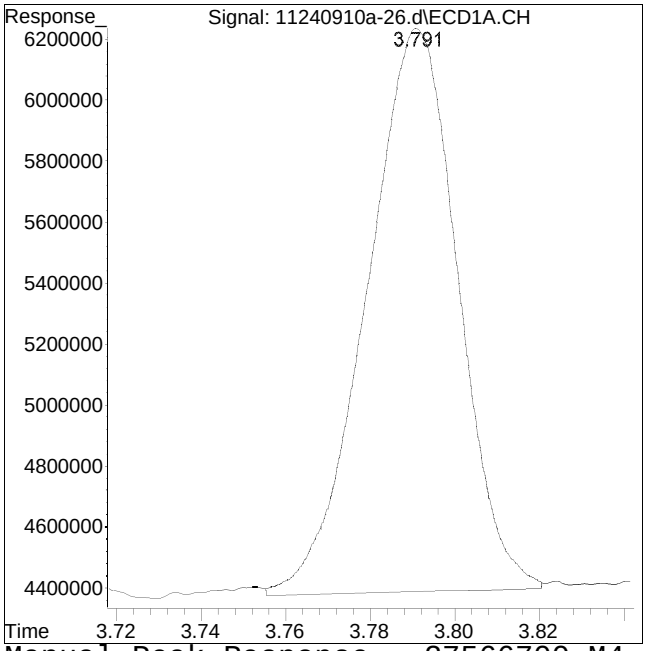
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #17: Dieldrin



Original Peak Response = 50968022



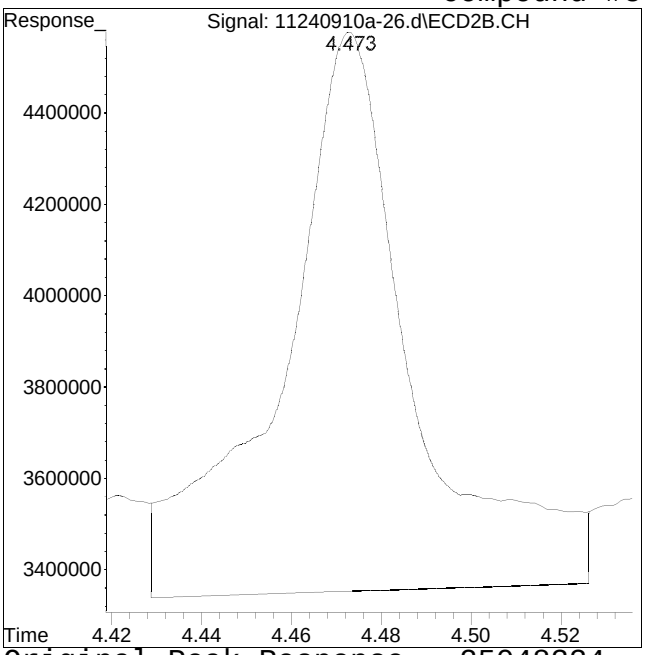
Manual Peak Response = 27566700 M4

M4 = Poor automated baseline construction.

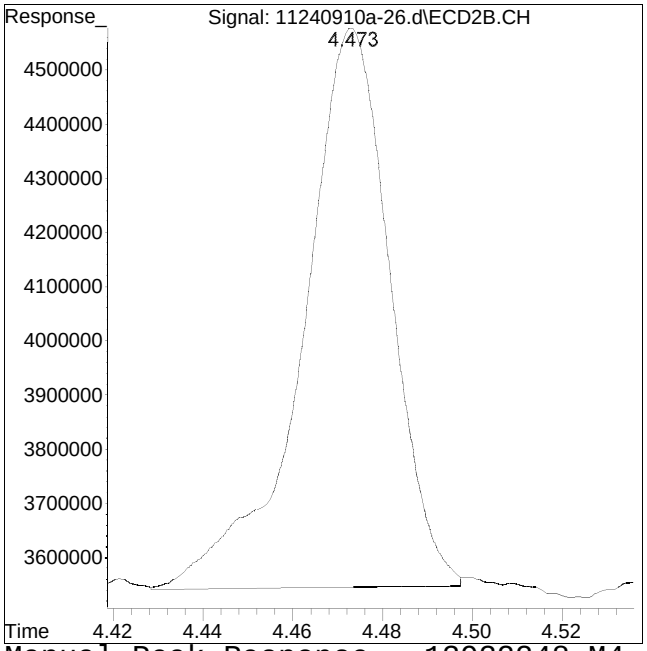
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #55: Dieldrin #2



Original Peak Response = 25048334



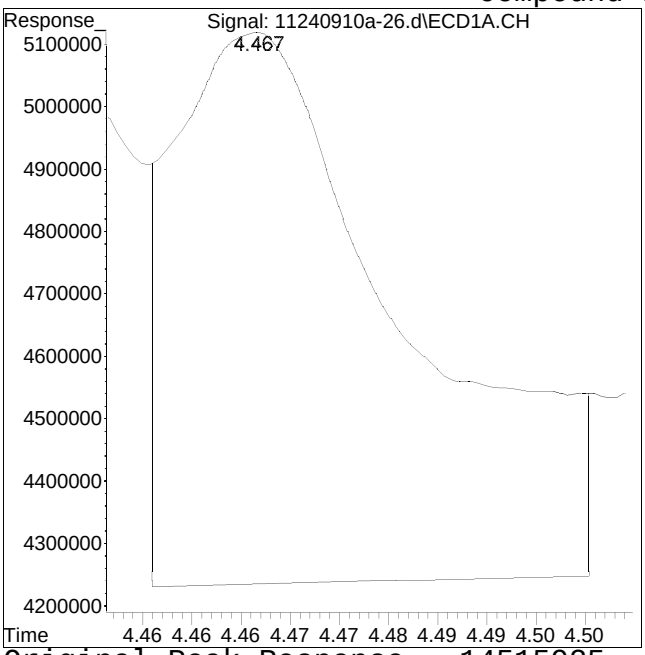
Manual Peak Response = 13932248 M4

M4 = Poor automated baseline construction.

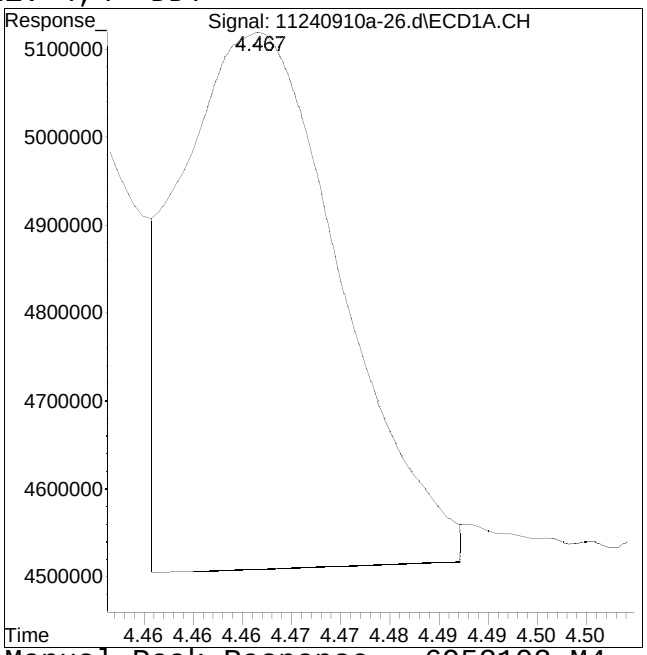
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #21: 4,4'-DDT



Original Peak Response = 14515925



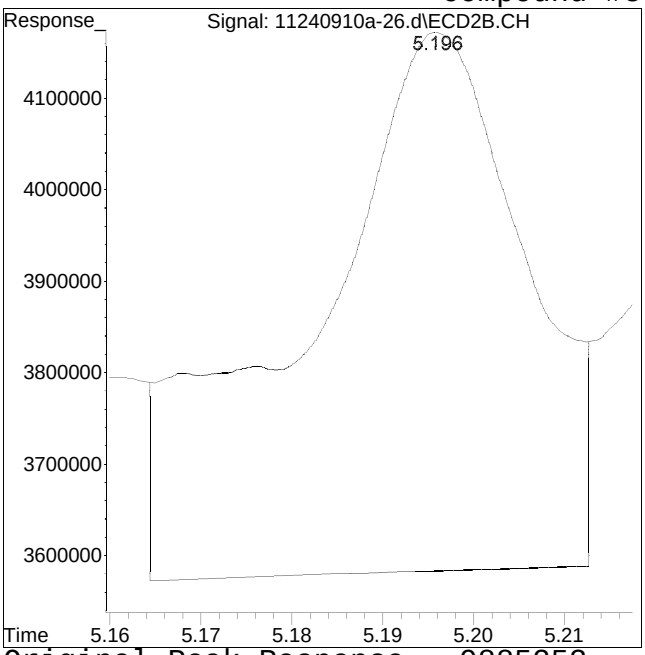
Manual Peak Response = 6952102 M4

M4 = Poor automated baseline construction.

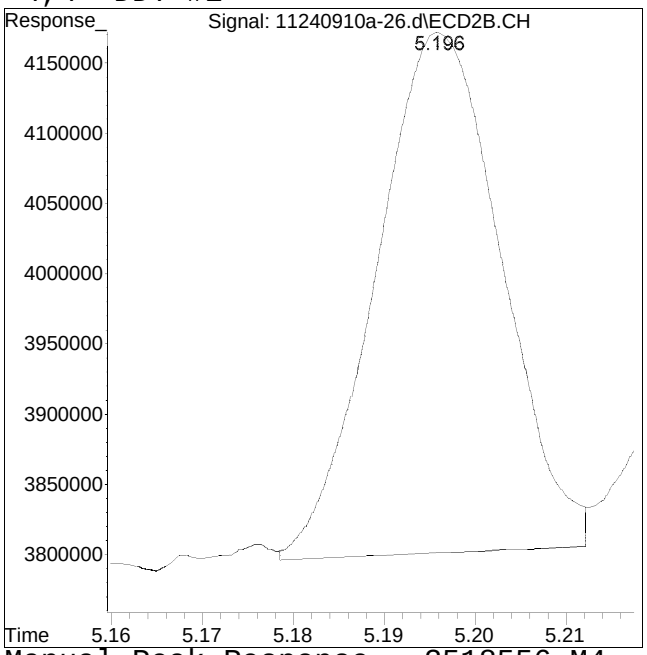
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 9885253



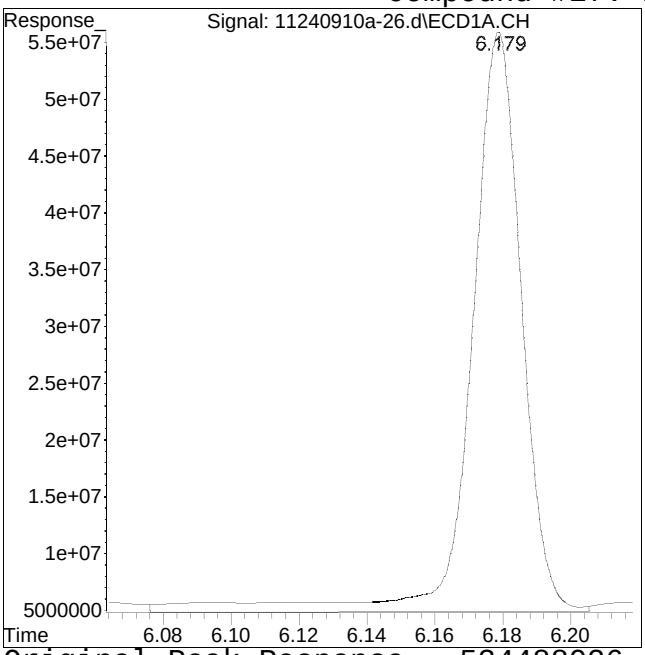
Manual Peak Response = 3518556 M4

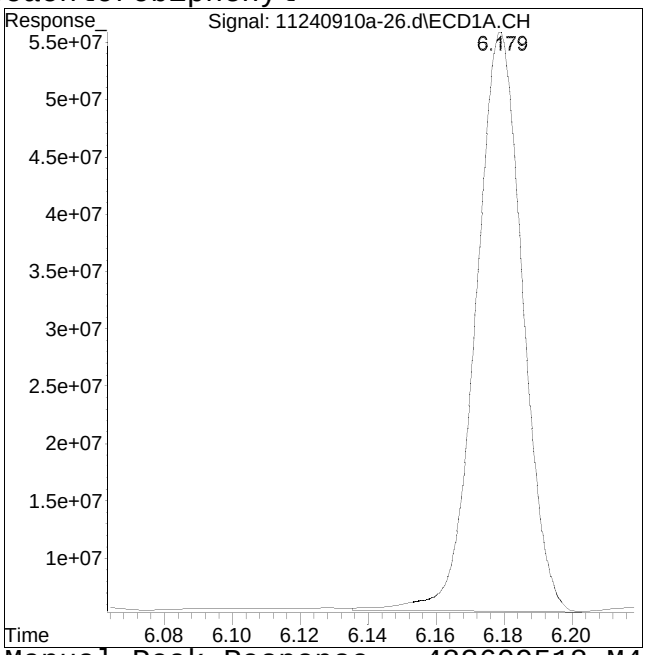
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



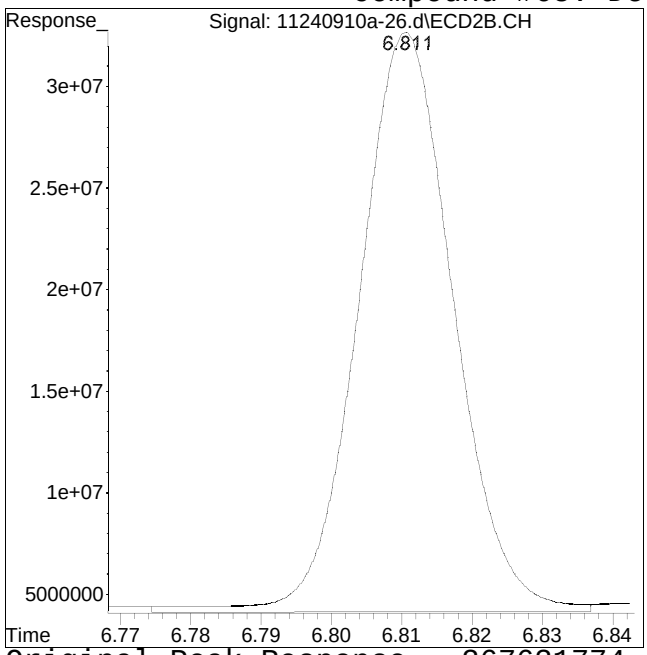


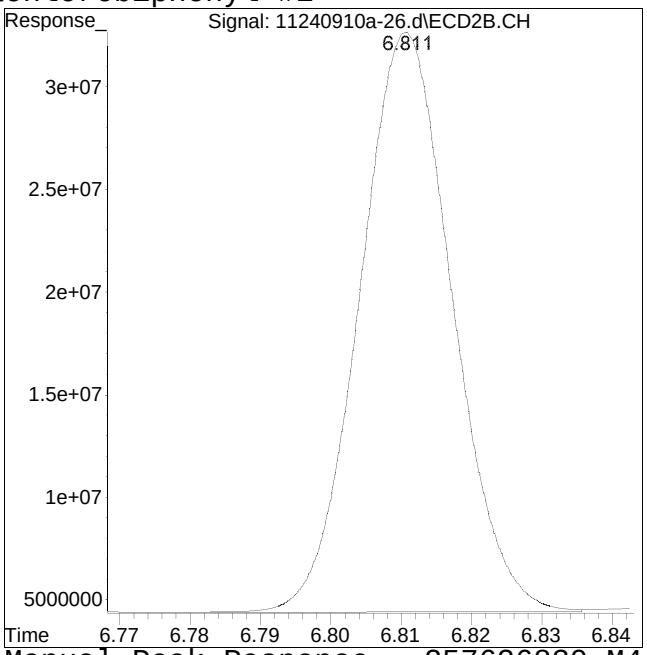
Original Peak Response = 534488926 Manual Peak Response = 483609518 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



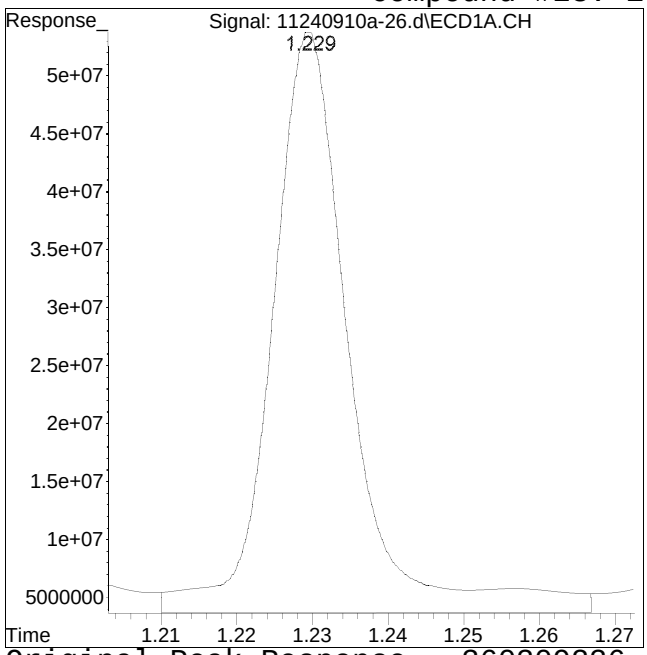


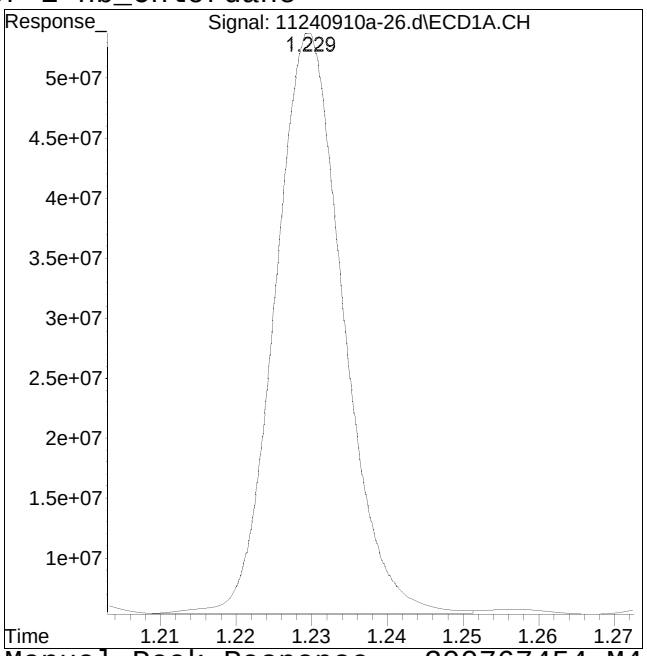
Original Peak Response = 267631774 Manual Peak Response = 257626830 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



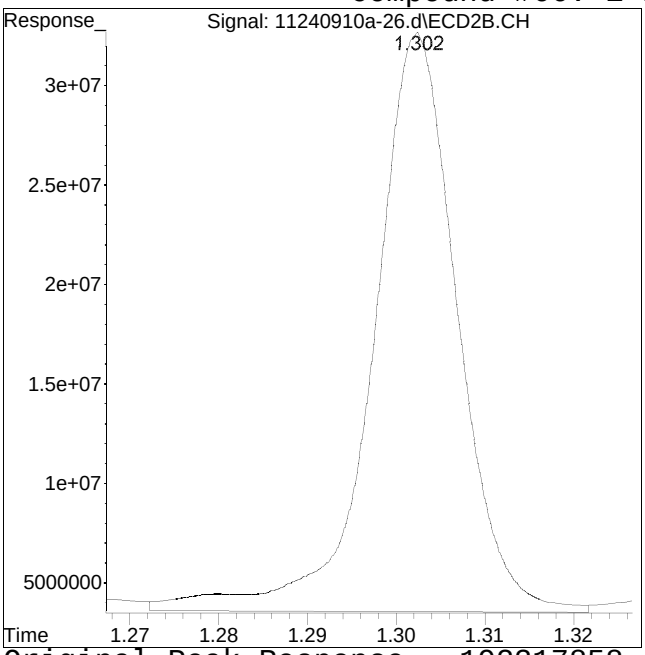


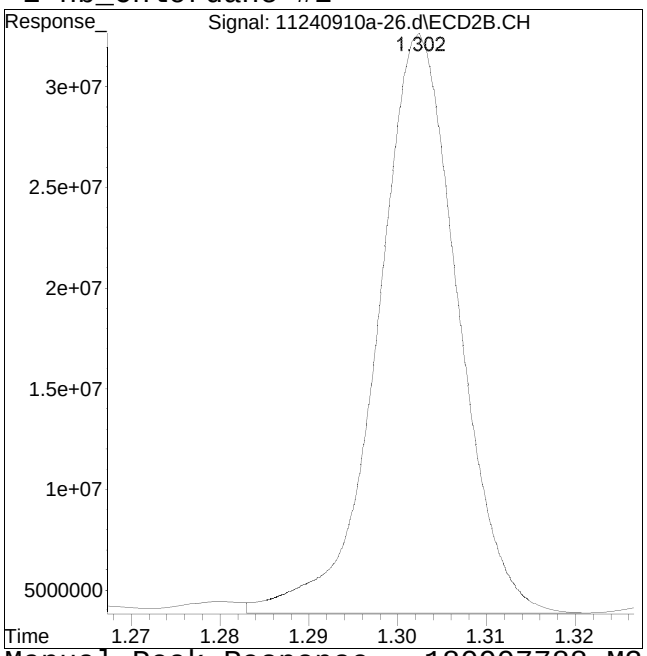
Original Peak Response = 360309236 Manual Peak Response = 300767454 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



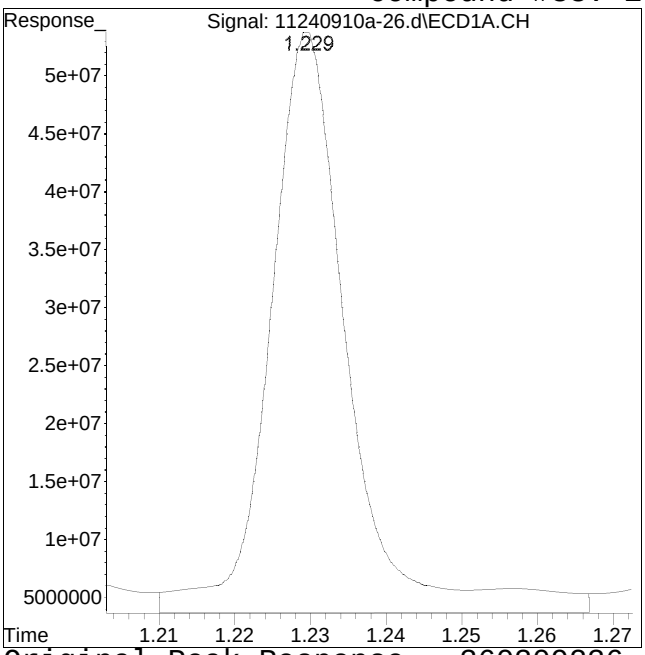


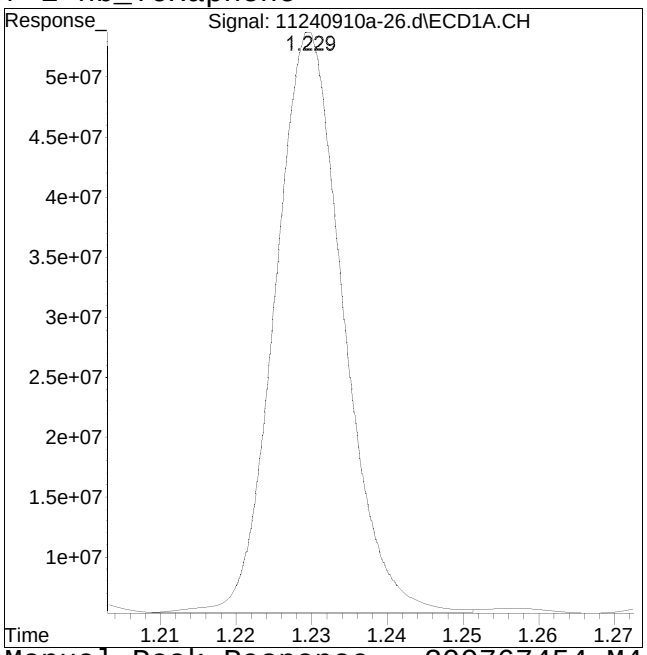
Original Peak Response = 192317858 Manual Peak Response = 180907788 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



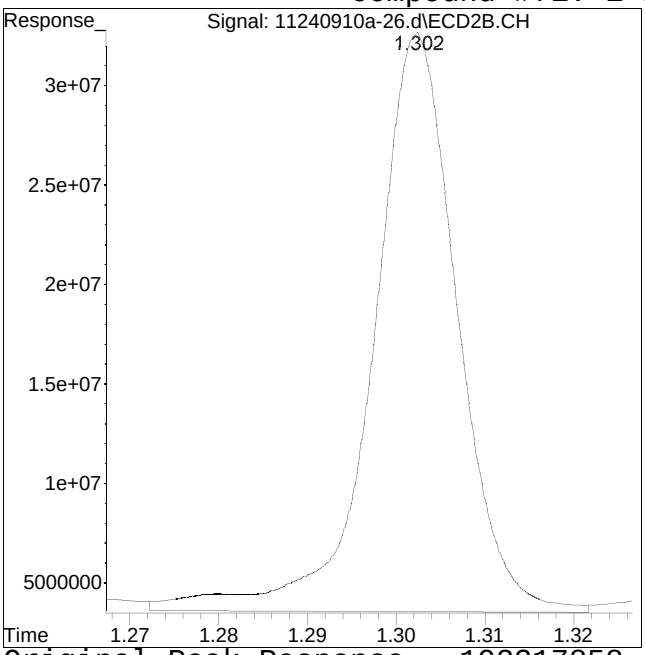


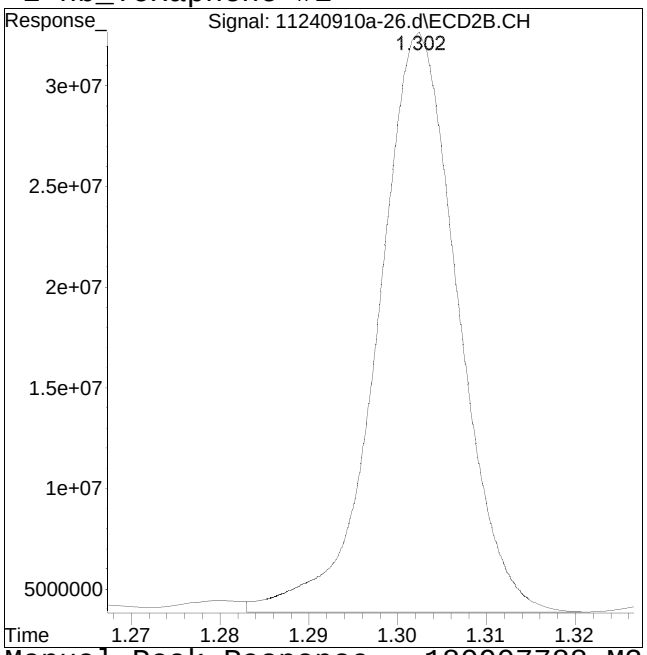
Original Peak Response = 360309236 Manual Peak Response = 300767454 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-26.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 13:55 Instrument : Pest 11
Sample : L2450786-05,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 192317858 Manual Peak Response = 180907788 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:07
Operator : PEST11:jag
Sample : L2450786-06,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:53 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	303.0E6	174.7E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 113.03%		
	Standard Area 1 : #2 = 176274603				Recovery = 99.10%		
28) i	1-br-2-nb_Ch	1.229	1.302	303.0E6	174.7E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	303.0E6	174.7E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	466.6E6	270.0E6	37.057M3	34.698M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 74.11%		69.40%
27) s	Decachlorobi	6.179	6.810	442.4E6	239.2E6	31.393M4	32.291M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 62.79%		64.58%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	3.792	4.473	26734469	15759405	1.943M4	1.699M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:07
Operator : PEST11:jag
Sample : L2450786-06,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:53 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

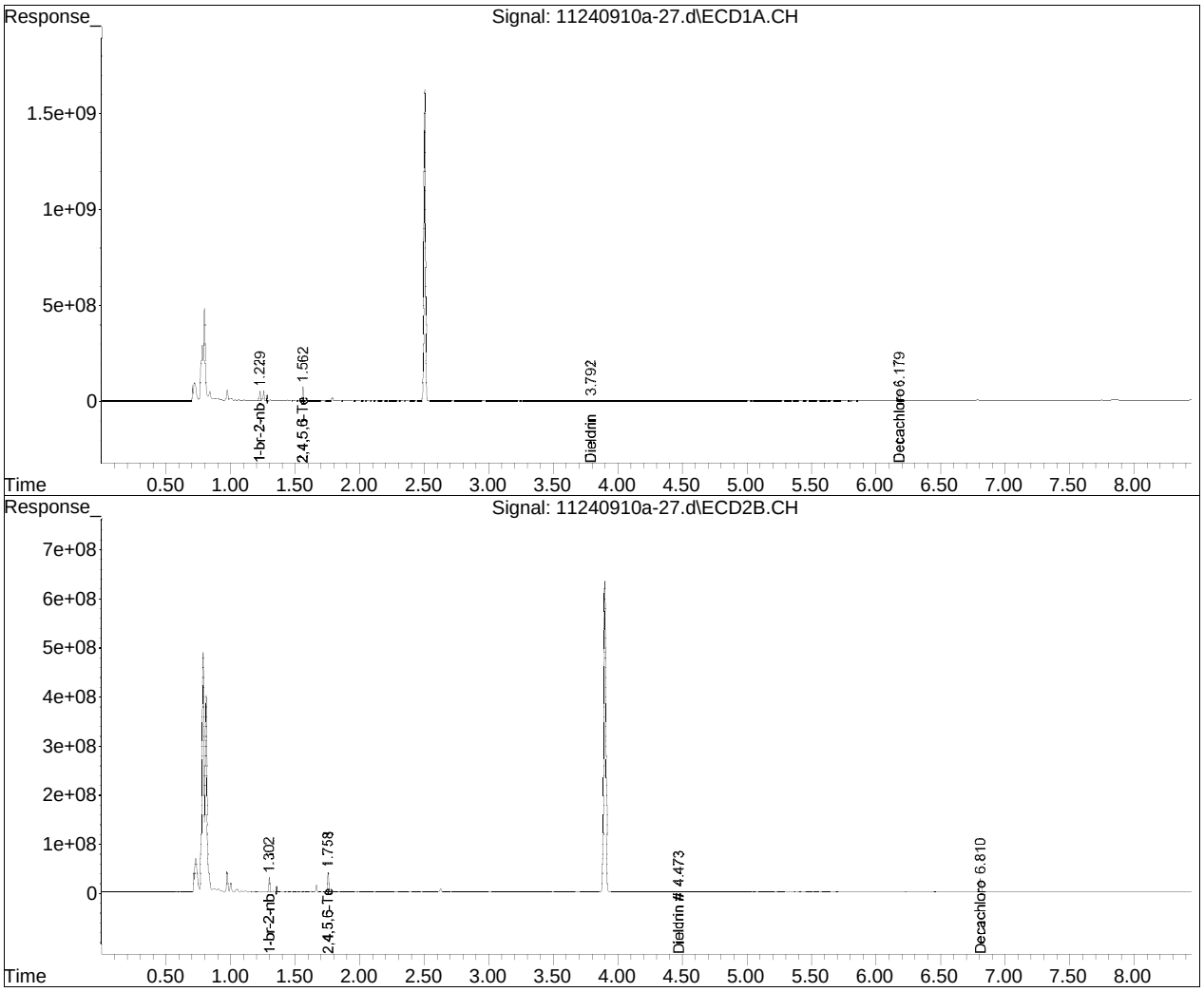
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:07
Operator : PEST11:jag
Sample : L2450786-06,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:53 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

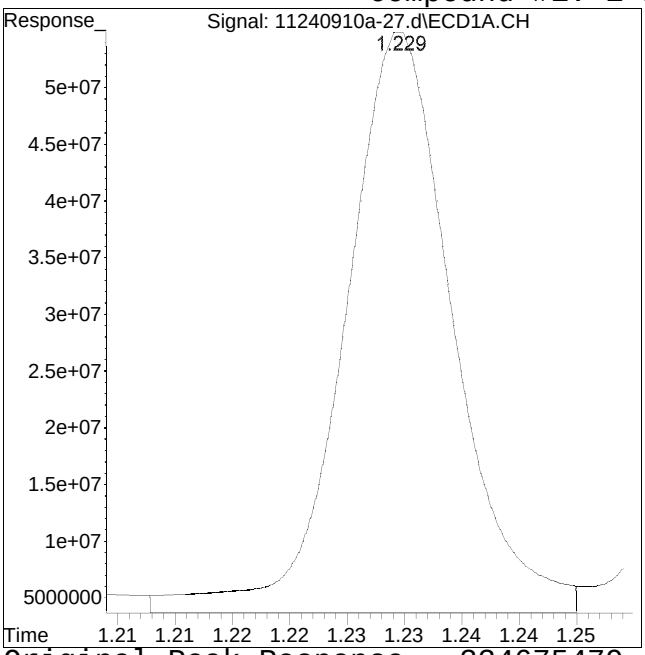
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



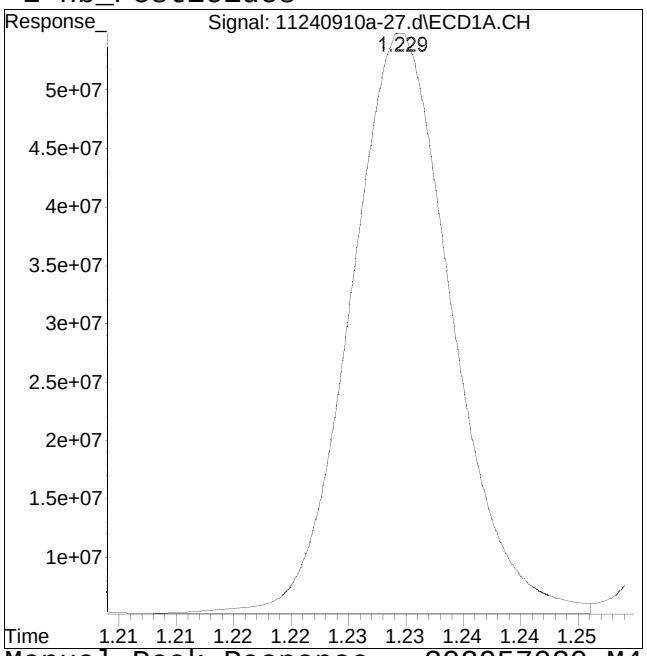
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 334675479



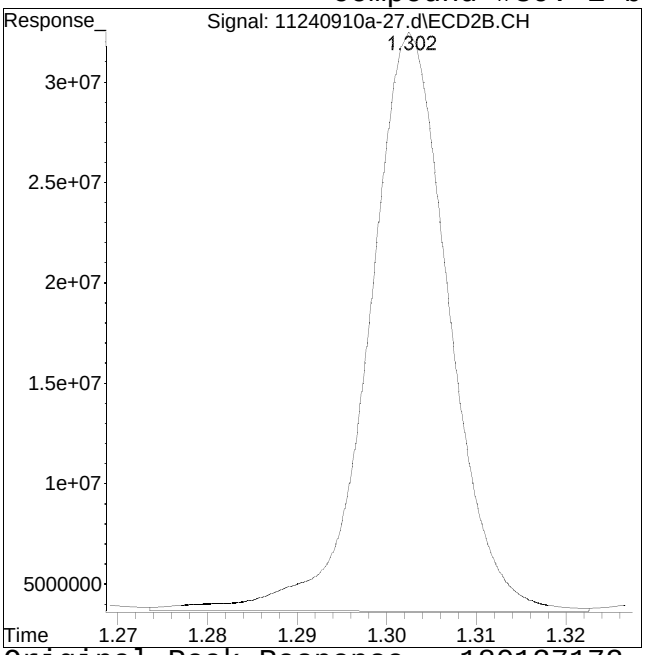
Manual Peak Response = 302957020 M4

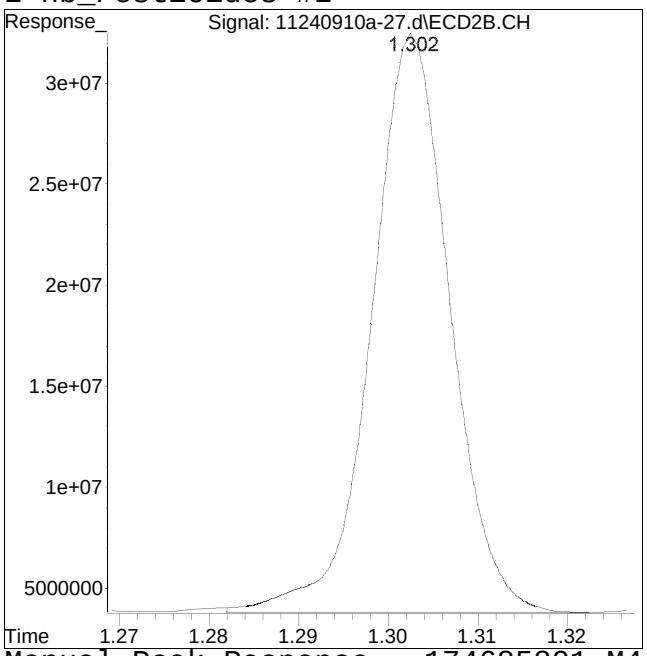
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



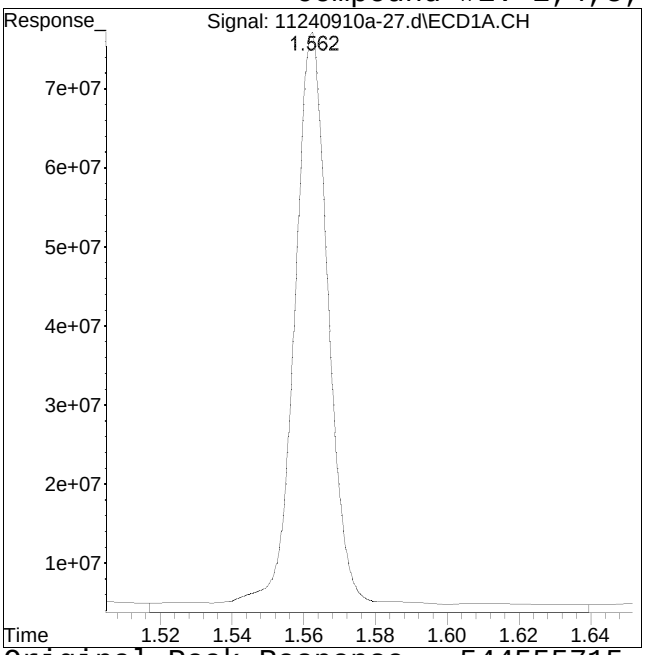


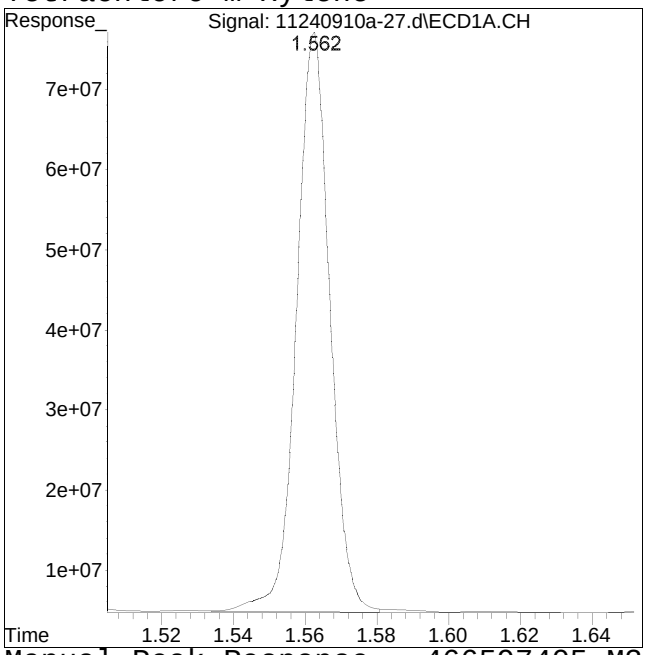
Original Peak Response = 180137172 Manual Peak Response = 174685801 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



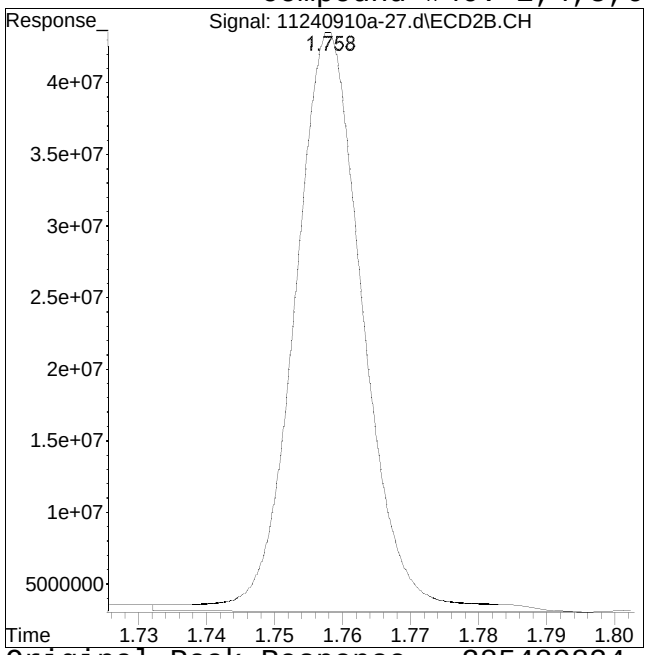


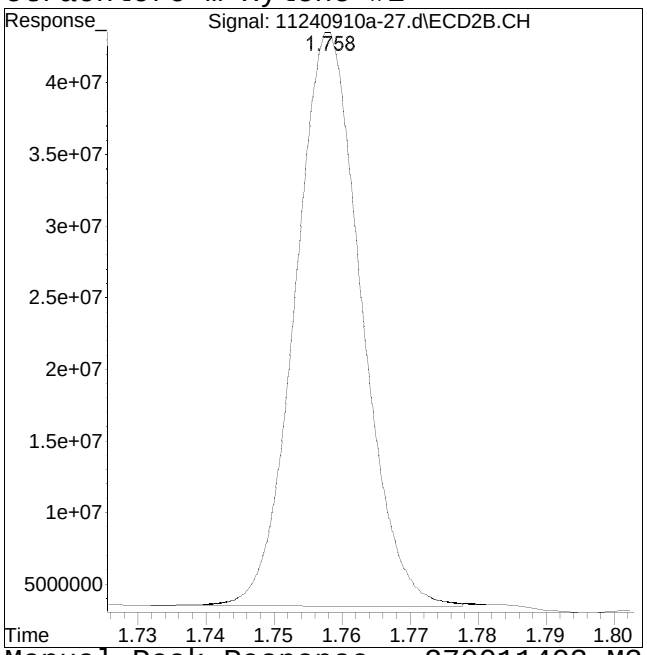
Original Peak Response = 544555715 Manual Peak Response = 466597405 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



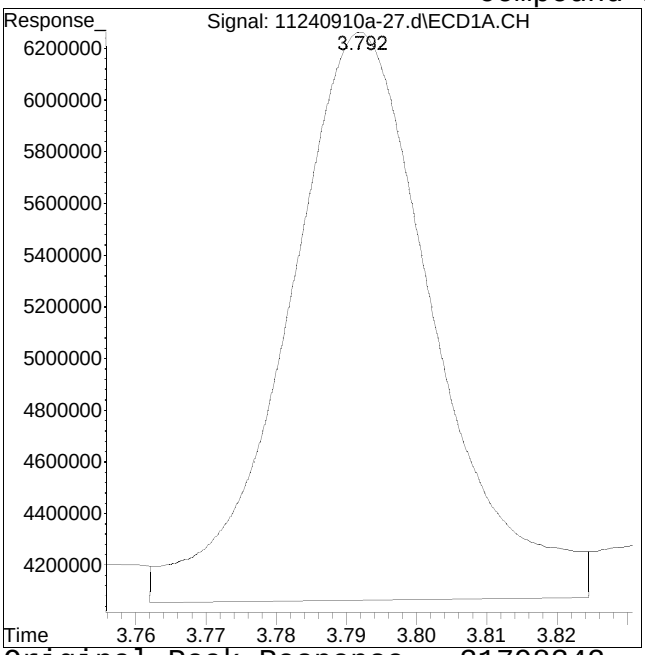


Original Peak Response = 285489834 Manual Peak Response = 270011403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

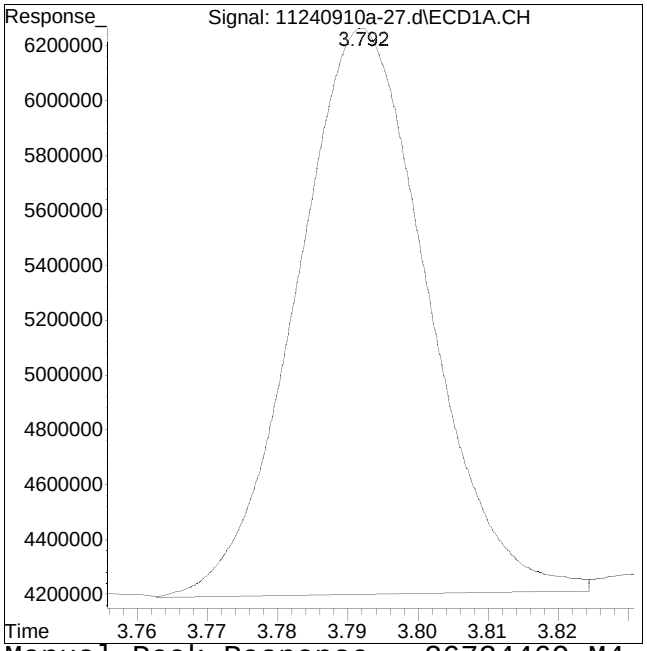
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #17: Dieldrin



Original Peak Response = 31798342



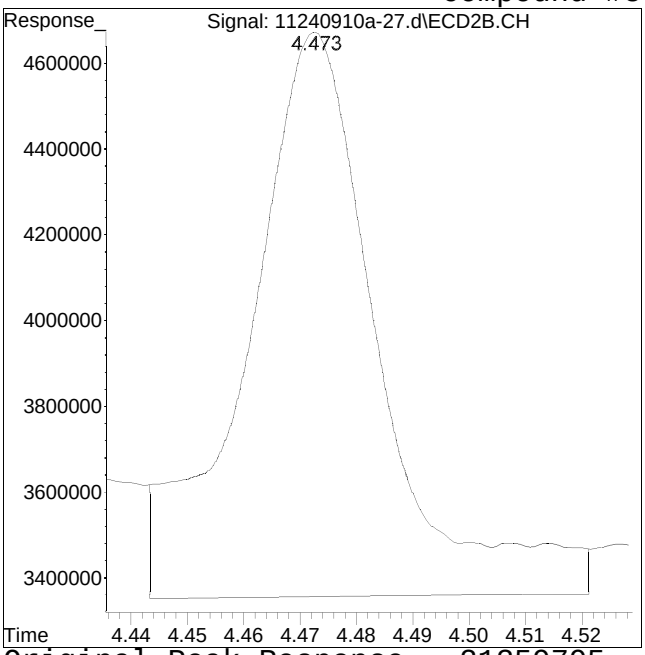
Manual Peak Response = 26734469 M4

M4 = Poor automated baseline construction.

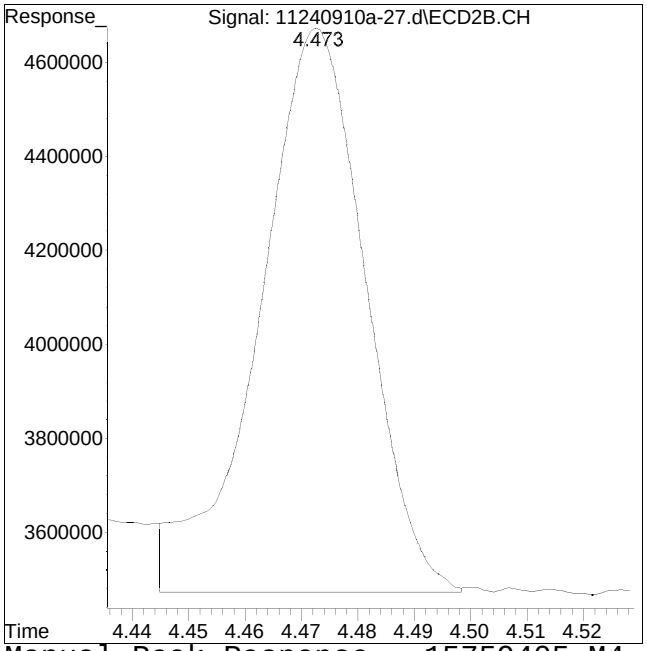
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #55: Dieldrin #2



Original Peak Response = 21359795



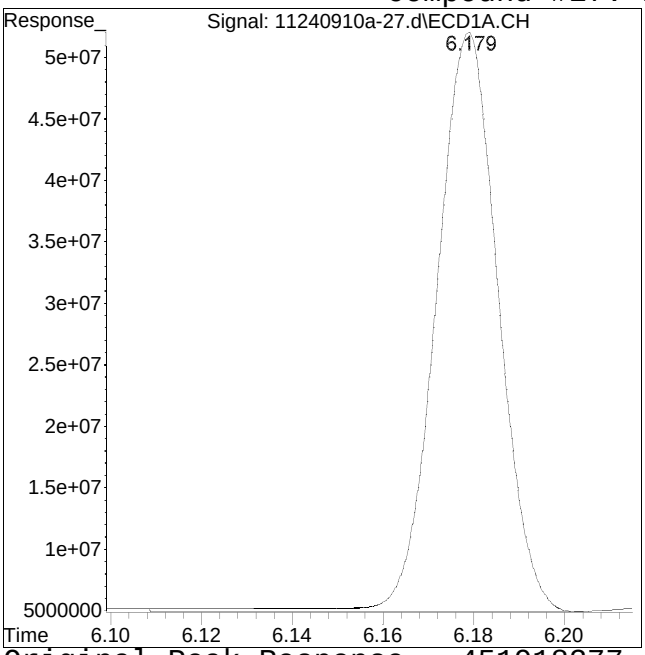
Manual Peak Response = 15759405 M4

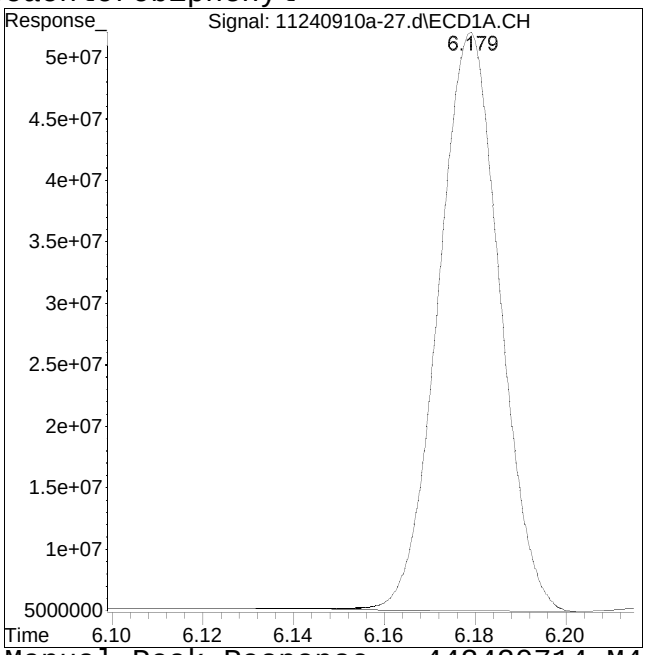
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



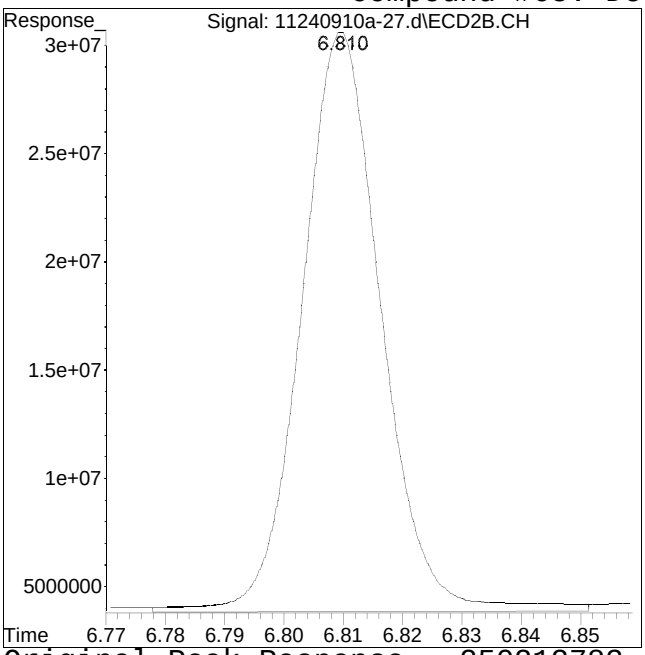


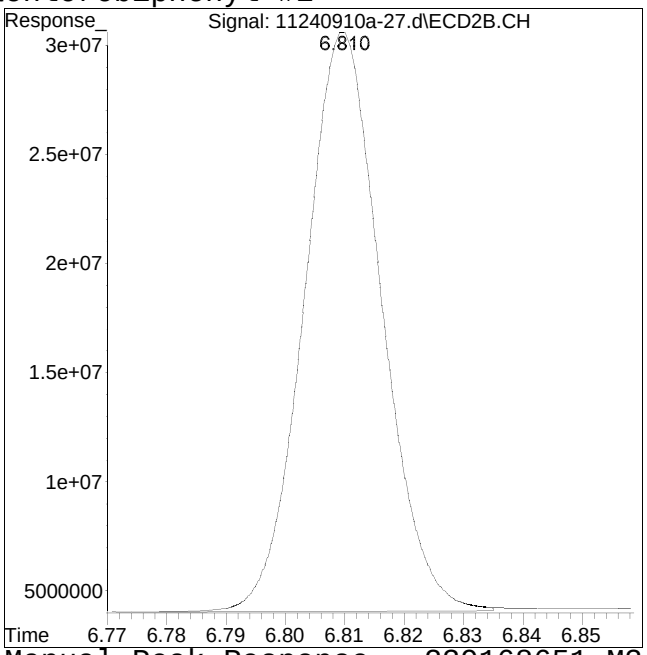
Original Peak Response = 451918377 Manual Peak Response = 442420714 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



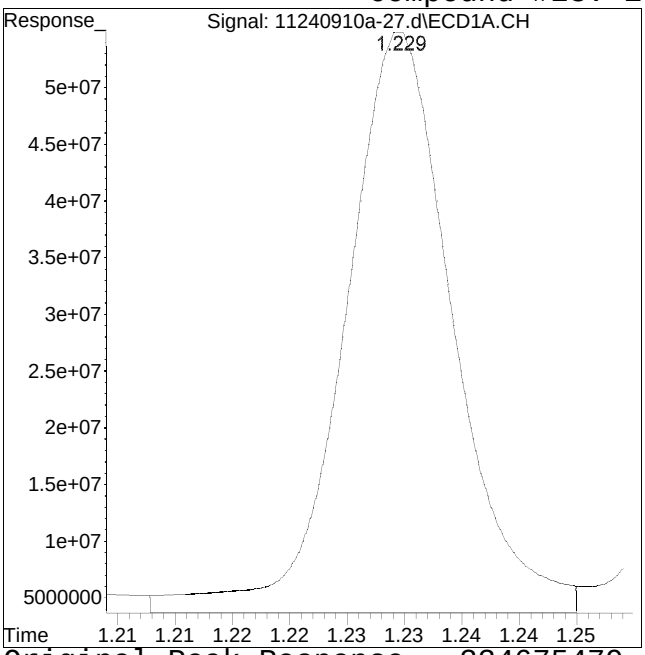


Original Peak Response = 250212783 Manual Peak Response = 239168651 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

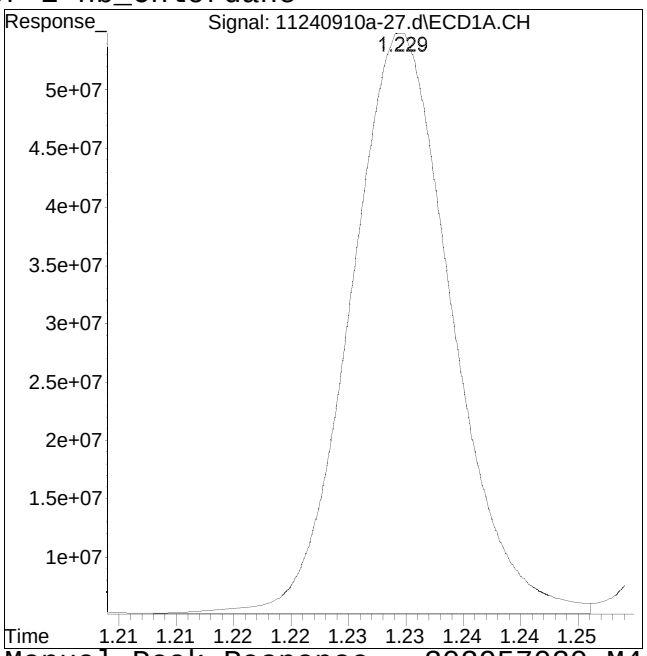
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 334675479



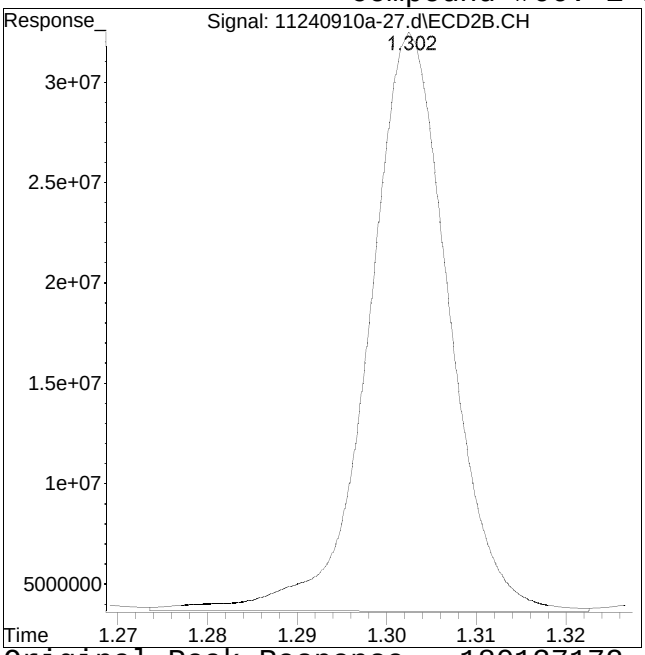
Manual Peak Response = 302957020 M4

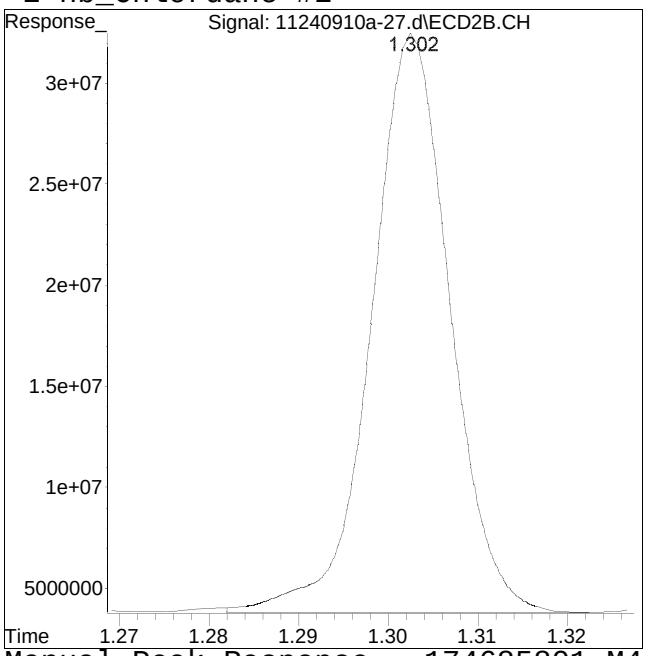
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



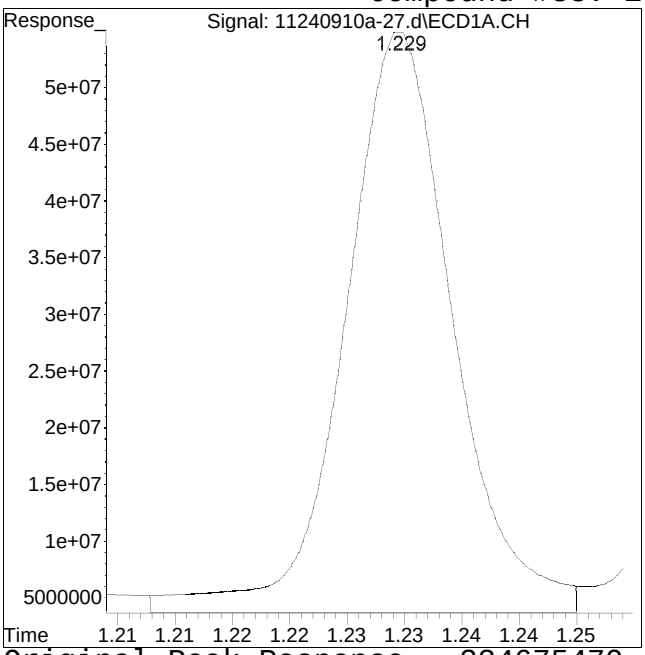


Original Peak Response = 180137172 Manual Peak Response = 174685801 M4
M4 = Poor automated baseline construction.

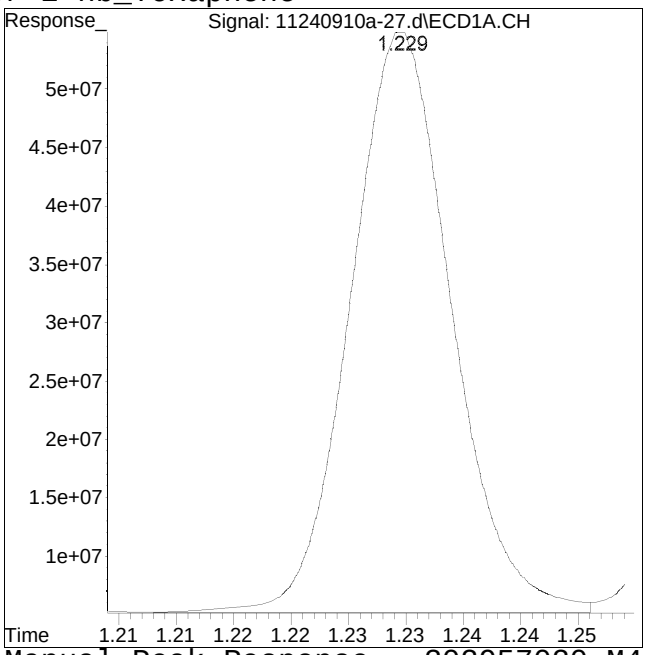
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 334675479



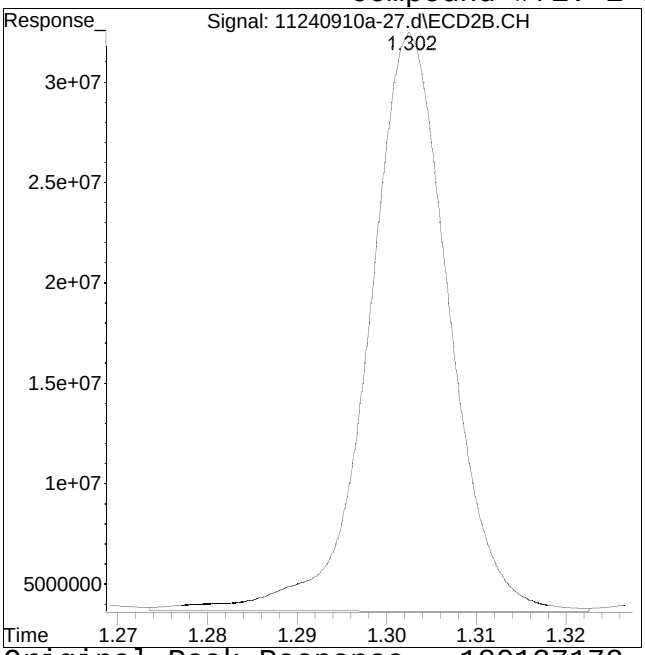
Manual Peak Response = 302957020 M4

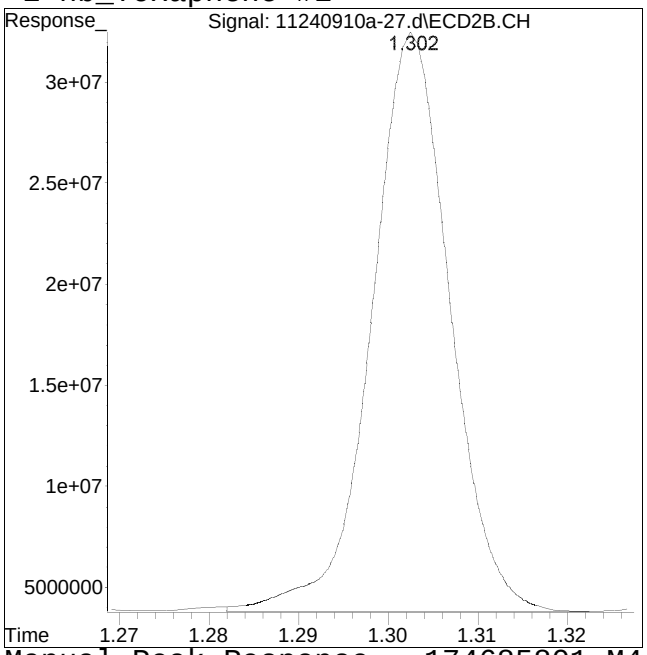
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-27.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:07 Instrument : Pest 11
Sample : L2450786-06,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 180137172 Manual Peak Response = 174685801 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:19
Operator : PEST11:jag
Sample : L2450786-07,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:56 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	330.8E6	193.4E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 123.40%		
	Standard Area 1 : #2 = 176274603				Recovery = 109.73%		
28) i	1-br-2-nb_Ch	1.229	1.302	330.8E6	193.4E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	330.8E6	193.4E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	531.0E6	303.9E6	38.628M3	35.276M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 77.26%		70.55%
27) s	Decachlorobi	6.179	6.810	466.3E6	263.3E6	30.308M3	32.100M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 60.62%		64.20%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:19
Operator : PEST11:jag
Sample : L2450786-07,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:56 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

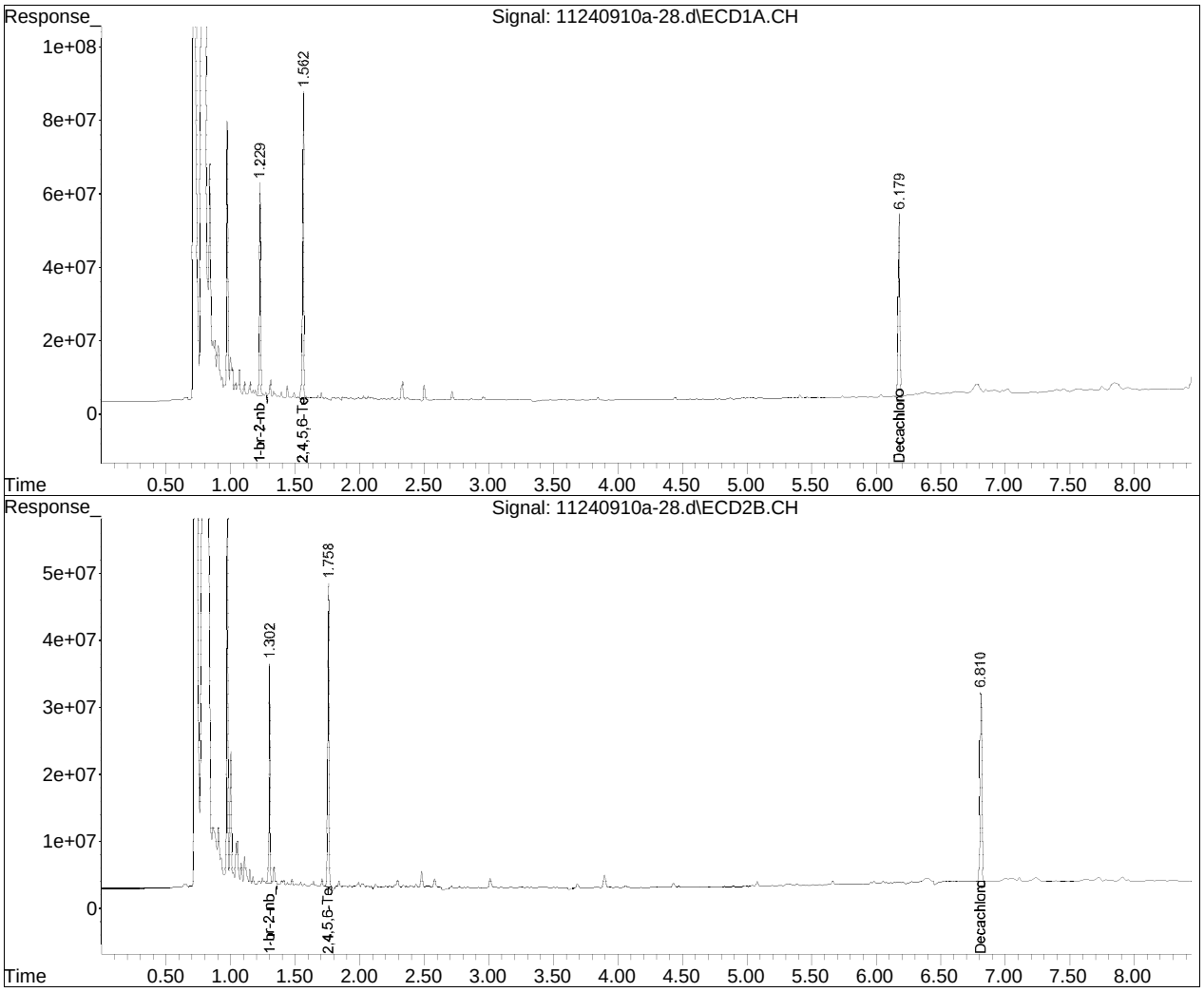
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-28.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:19
Operator : PEST11:jag
Sample : L2450786-07,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:56 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

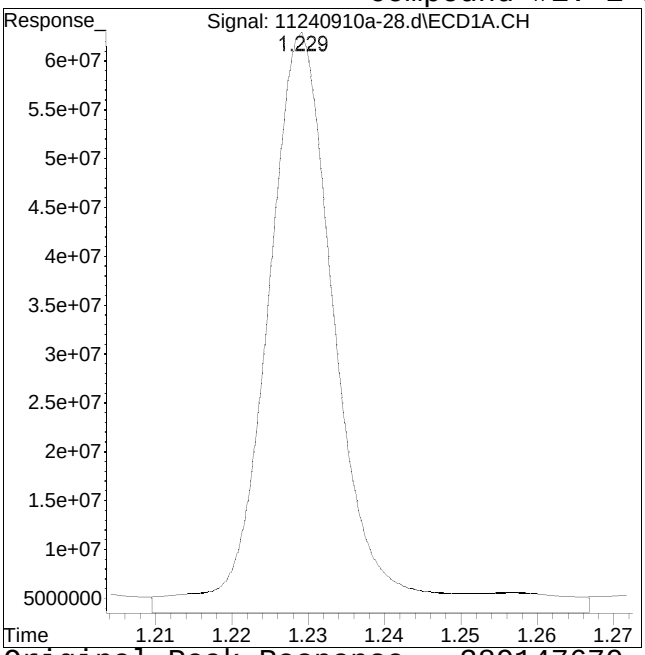
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

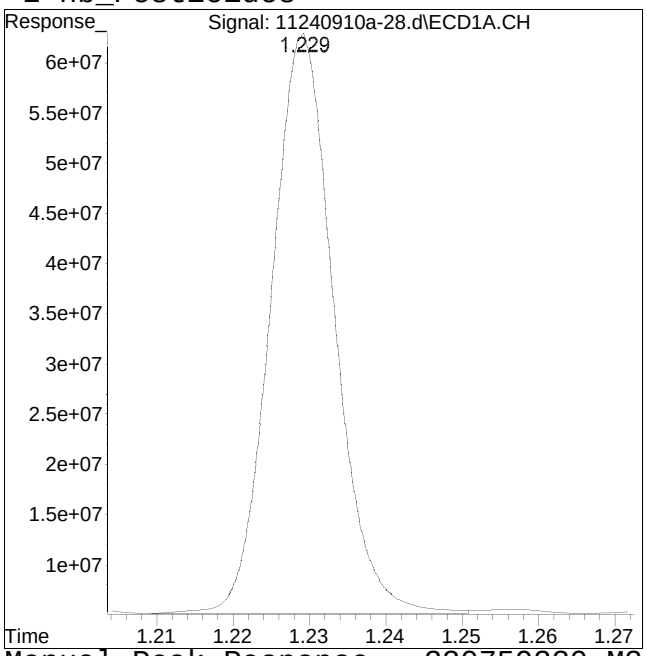


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



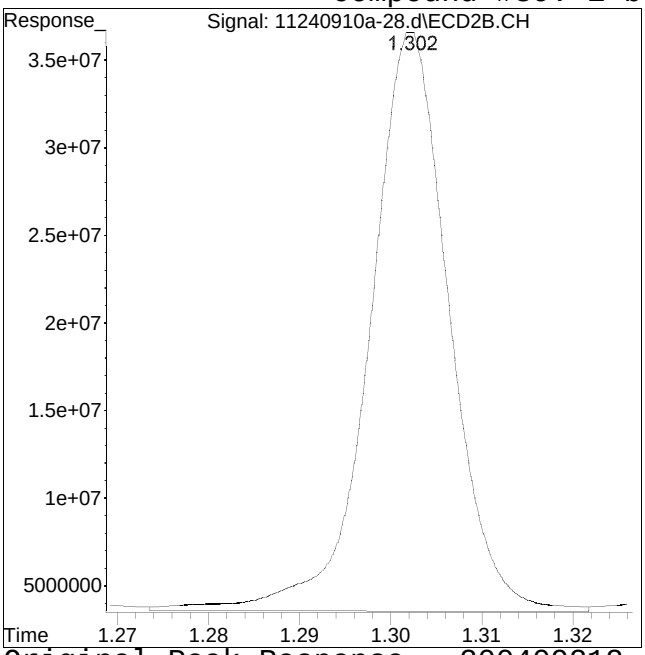


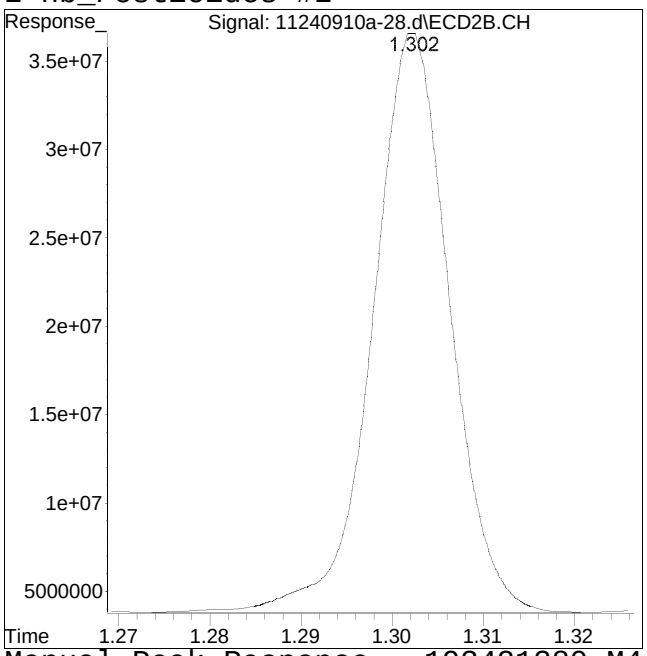
Original Peak Response = 389147670 Manual Peak Response = 330759330 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



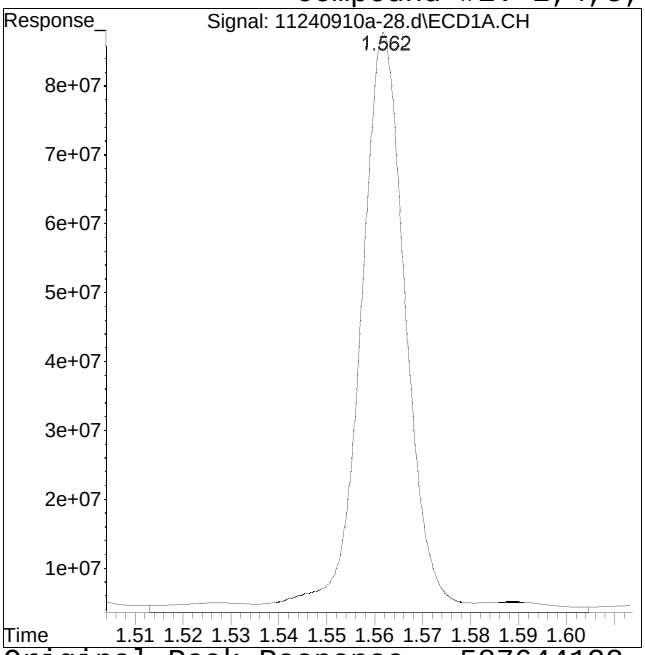


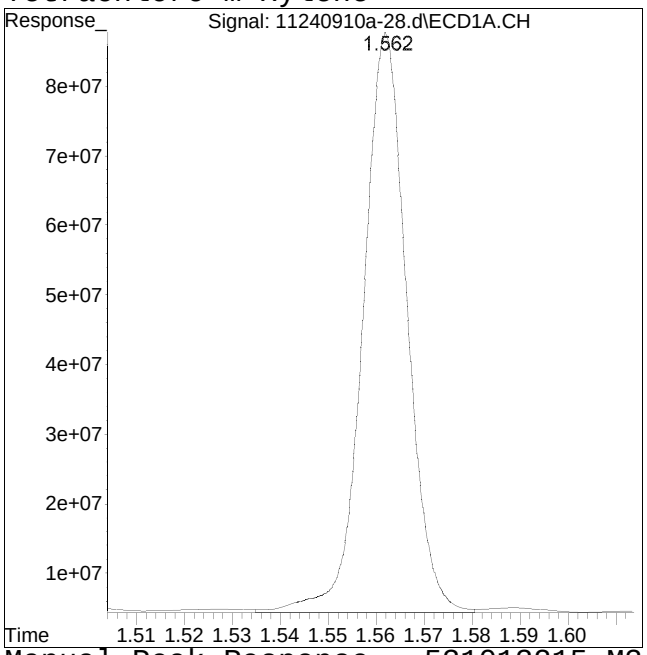
Original Peak Response = 200409212 Manual Peak Response = 193421380 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



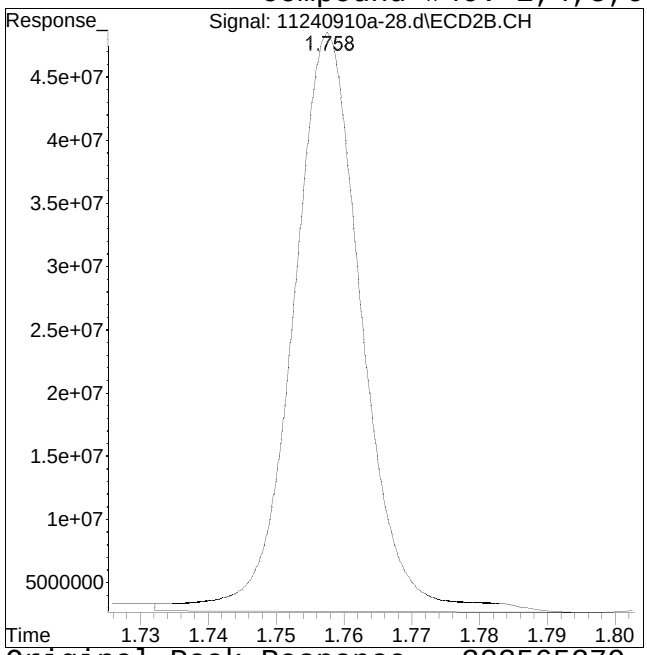


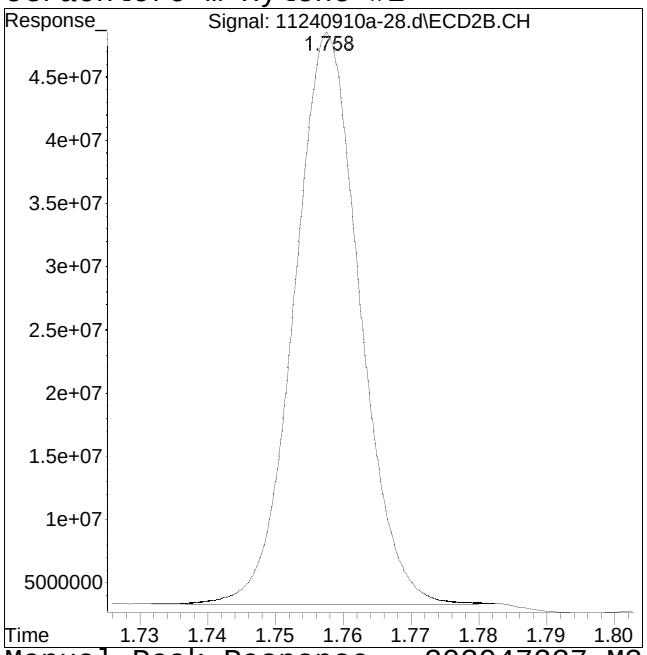
Original Peak Response = 587644122 Manual Peak Response = 531013215 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



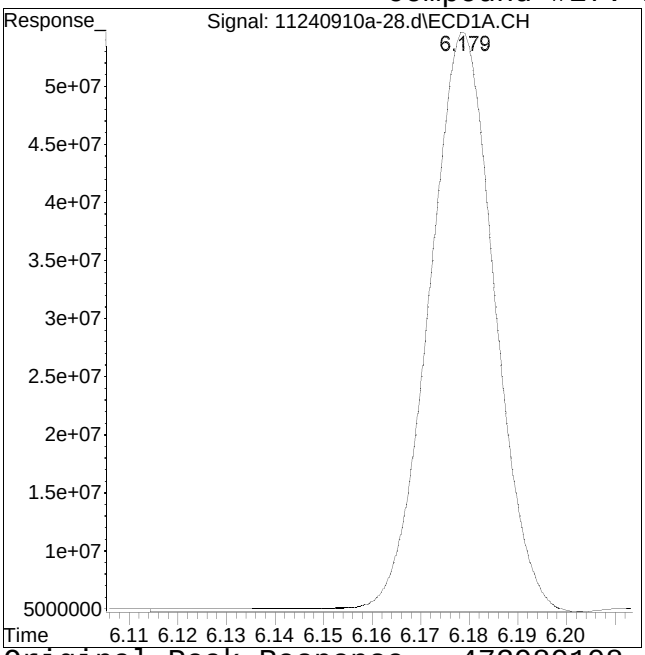


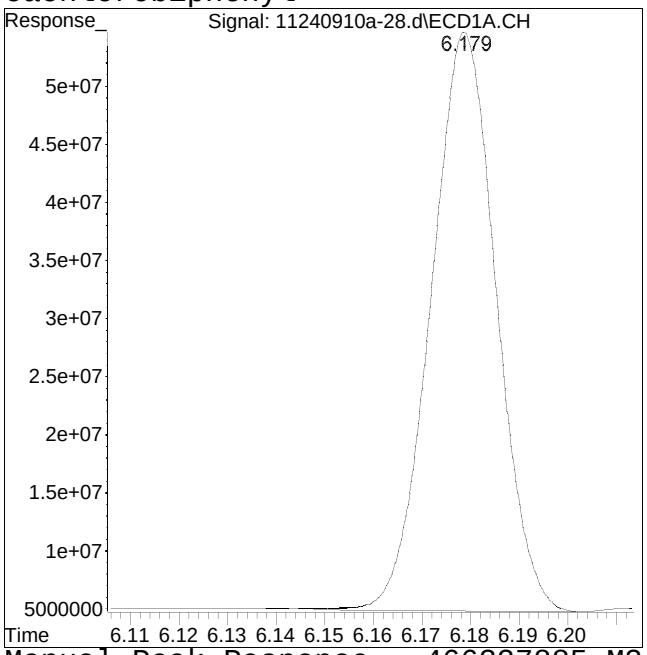
Original Peak Response = 323565279 Manual Peak Response = 303947337 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



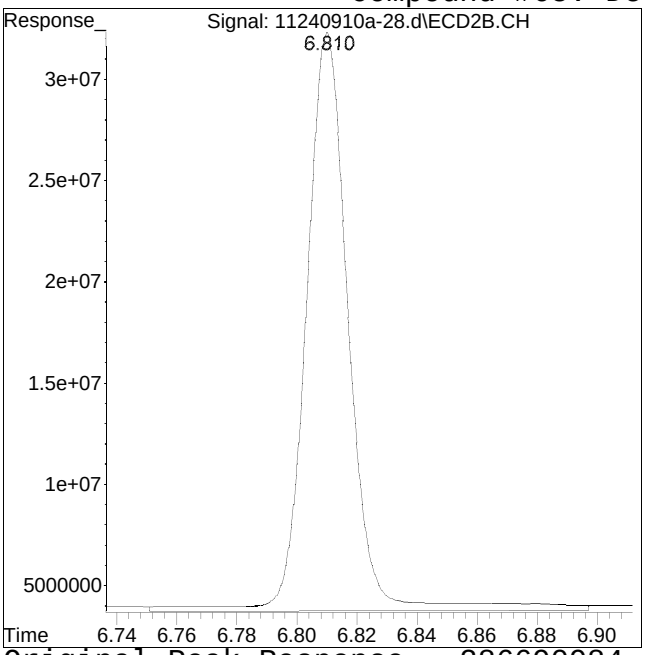


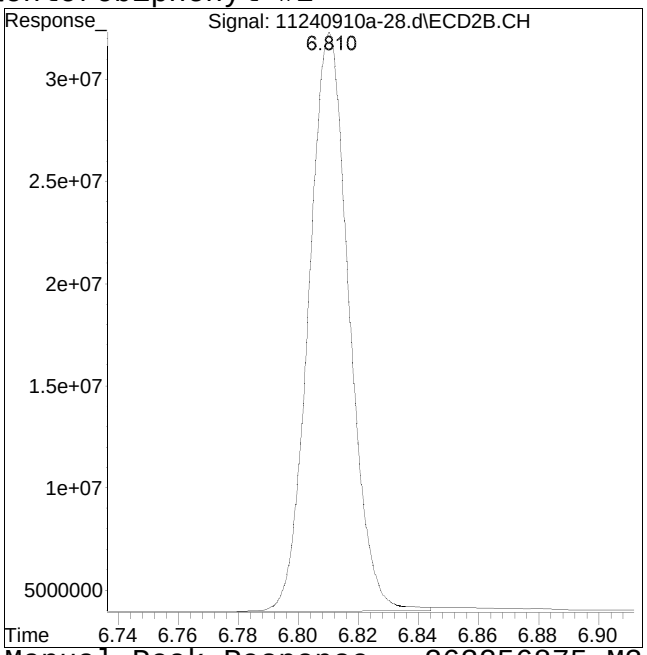
Original Peak Response = 473989108 Manual Peak Response = 466327885 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



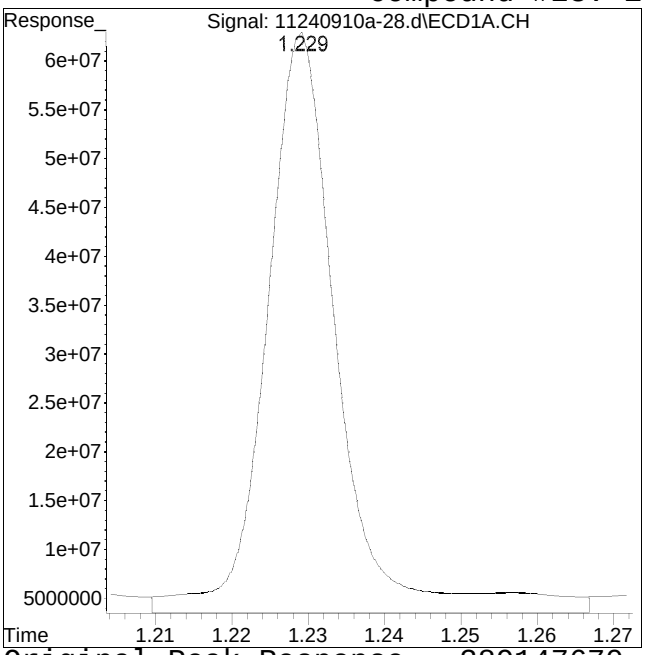


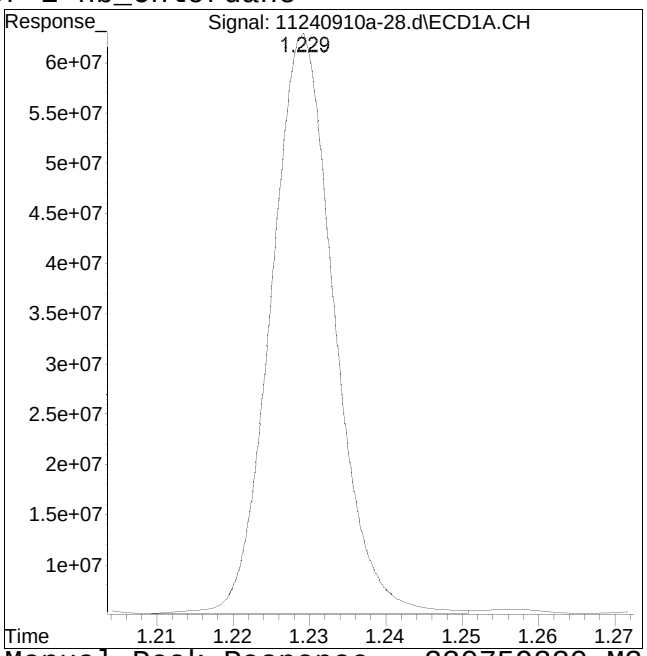
Original Peak Response = 286690984 Manual Peak Response = 263256875 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



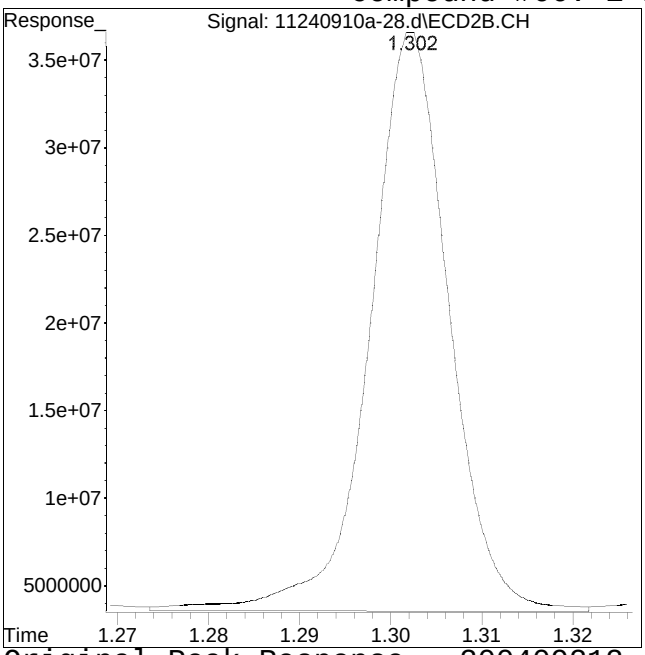


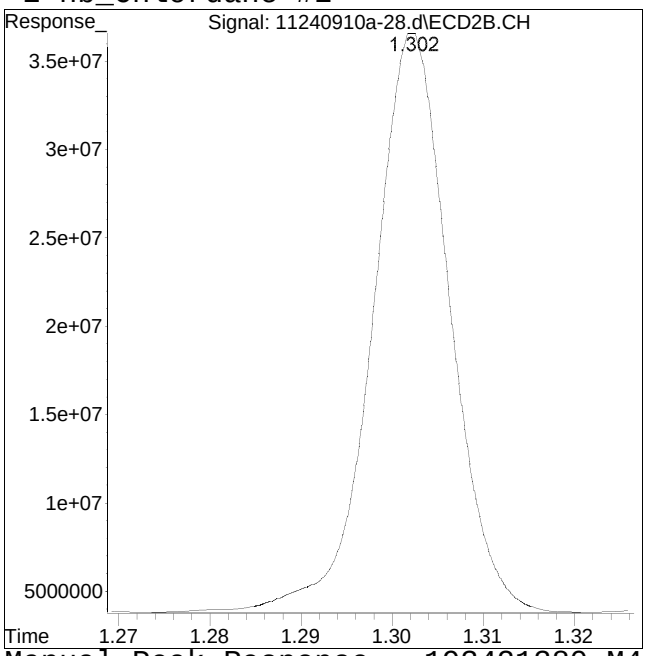
Original Peak Response = 389147670 Manual Peak Response = 330759330 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



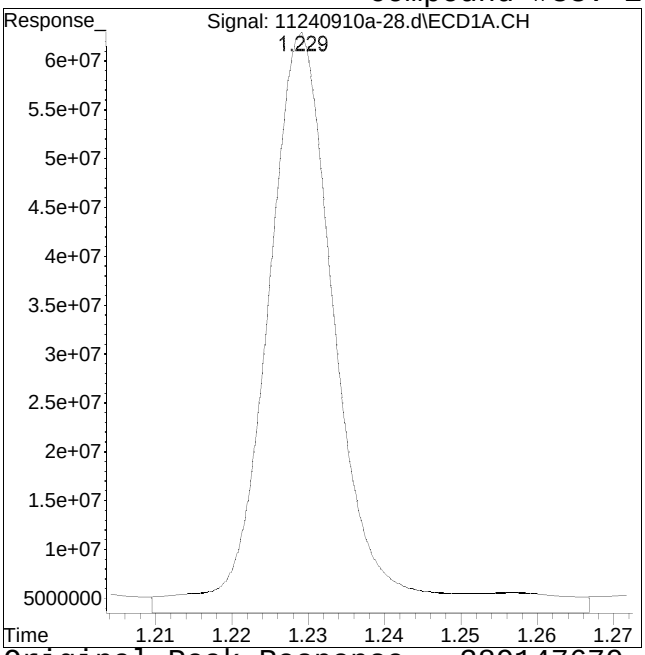


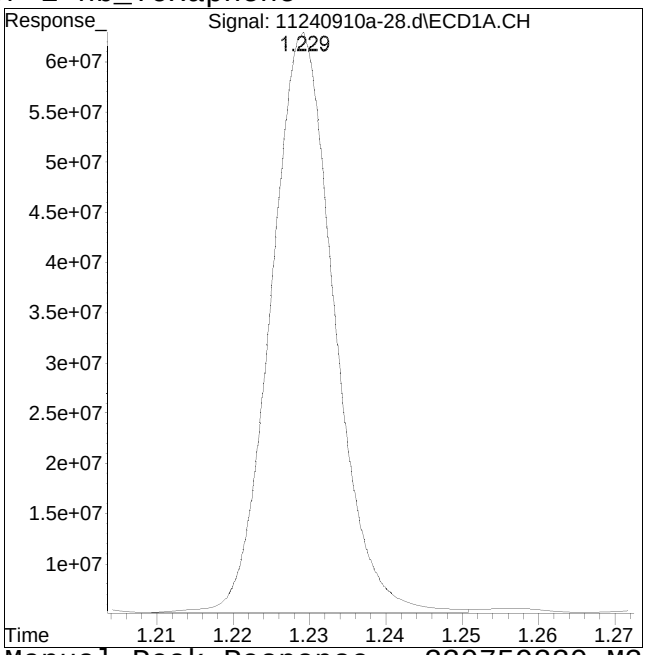
Original Peak Response = 200409212 Manual Peak Response = 193421380 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



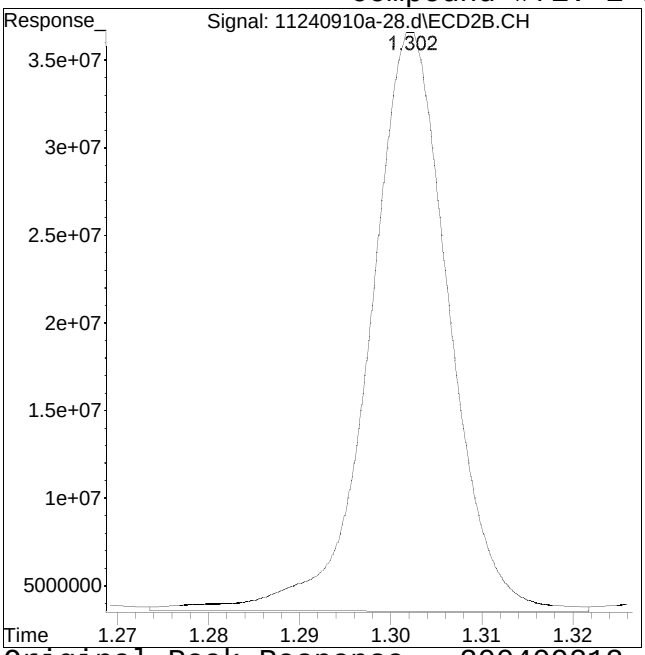


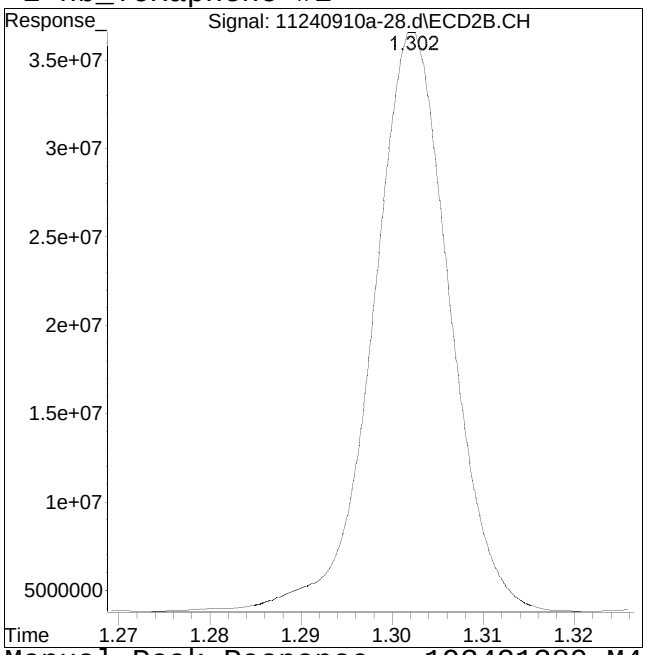
Original Peak Response = 389147670 Manual Peak Response = 330759330 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-28.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:19 Instrument : Pest 11
Sample : L2450786-07,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 200409212 Manual Peak Response = 193421380 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:30
Operator : PEST11:jag
Sample : L2450786-08,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:58 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.228	1.302	304.4E6	175.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 113.56%		
	Standard Area 1 : #2 = 176274603				Recovery = 99.61%		
28) i	1-br-2-nb_Ch	1.228	1.302	304.4E6	175.6E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.228	1.302	304.4E6	175.6E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.560	1.758	457.4E6	264.7E6	36.156M4	33.839M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 72.31%		67.68%
27) s	Decachlorobi	6.177	6.810	408.0E6	214.9E6	28.815M4	28.866M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 57.63%		57.73%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:30
Operator : PEST11:jag
Sample : L2450786-08,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:58 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

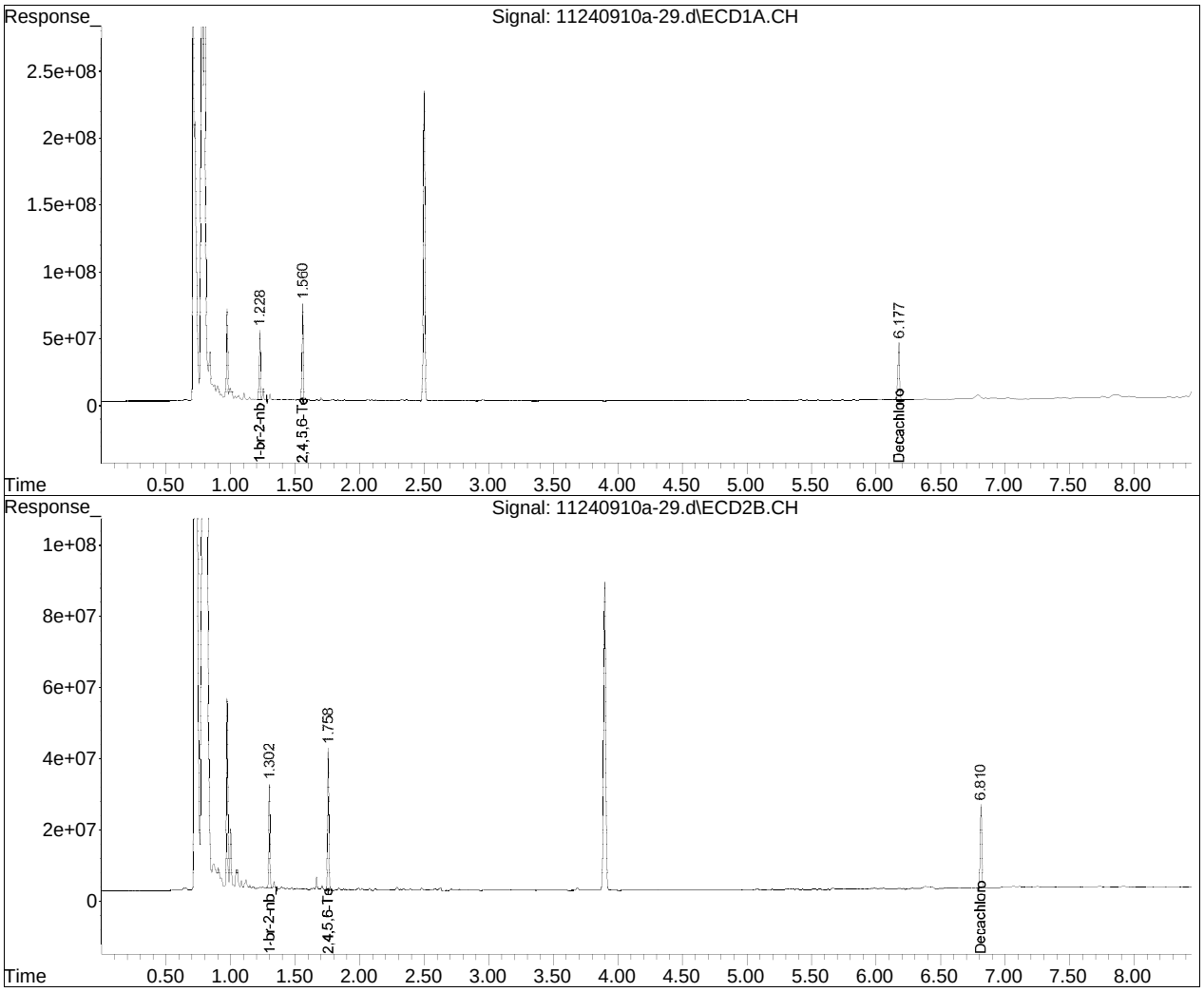
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-29.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:30
Operator : PEST11:jag
Sample : L2450786-08,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:44:58 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

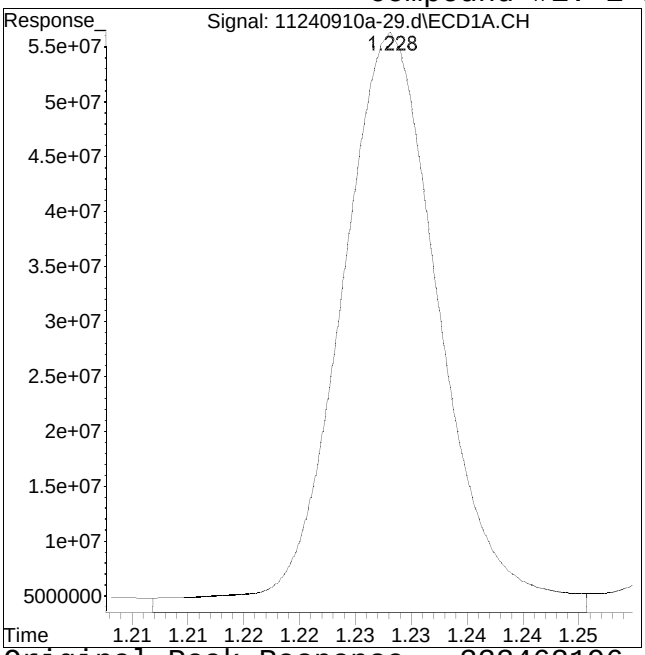
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

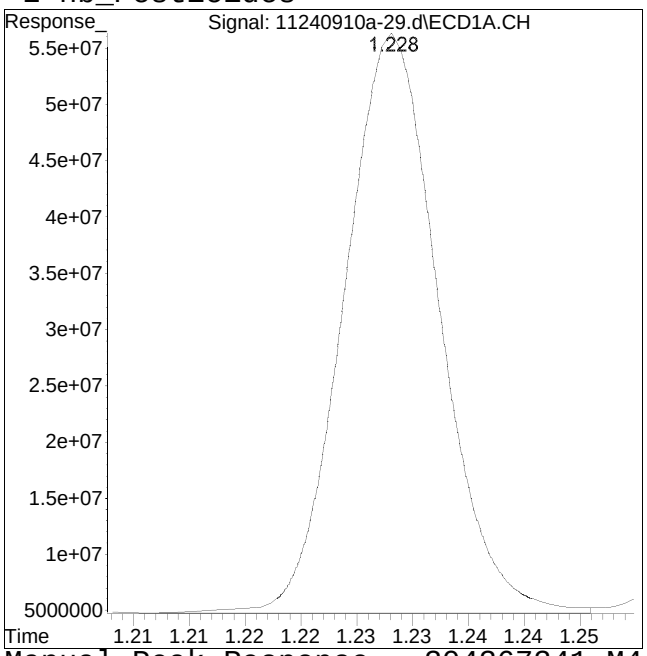


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #1: 1-br-2-nb_Pesticides



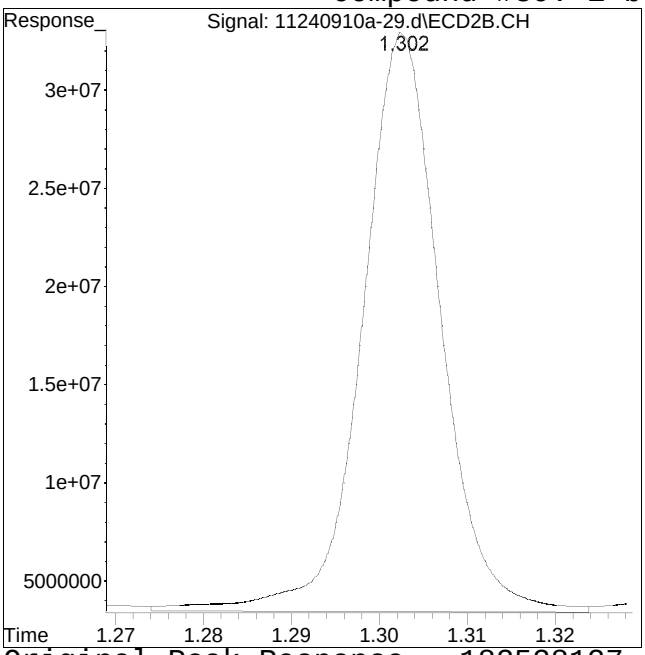


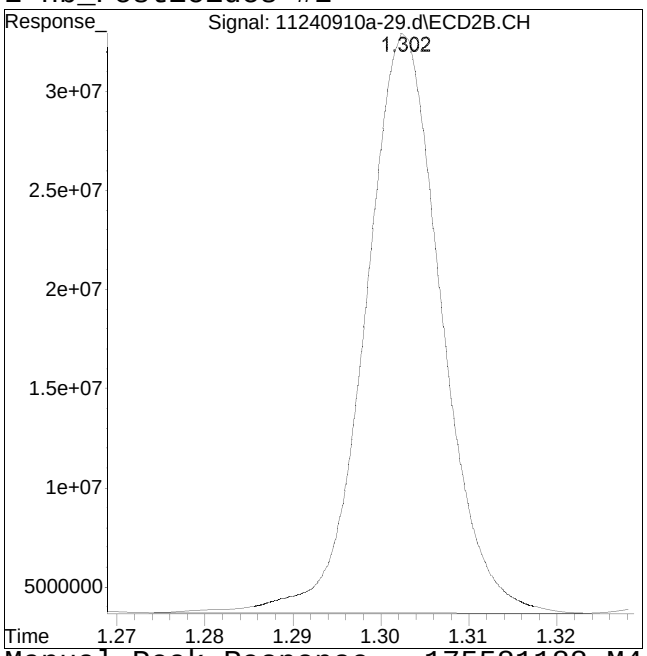
Original Peak Response = 333462196 Manual Peak Response = 304367341 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #39: 1-br-2-nb_Pesticides #2



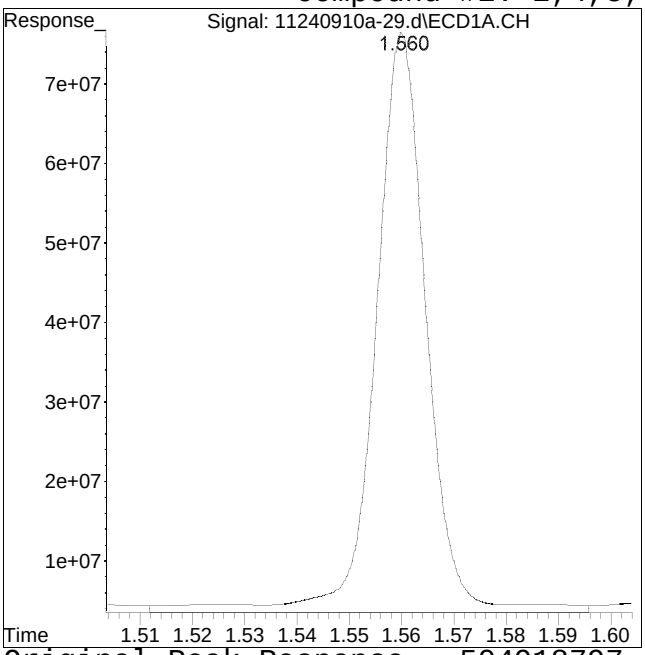


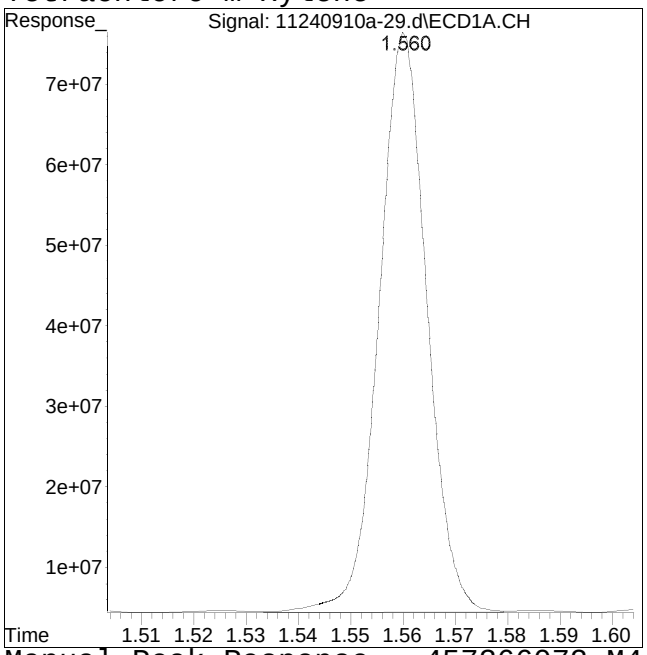
Original Peak Response = 182528127 Manual Peak Response = 175581188 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



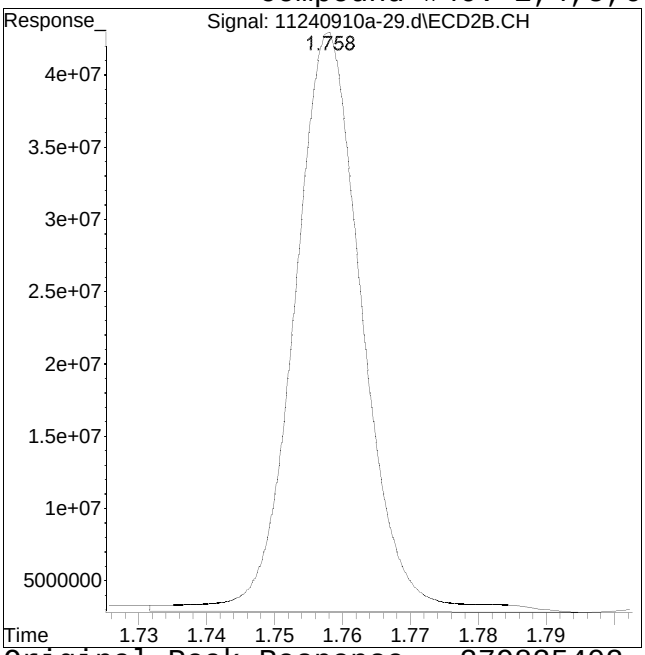


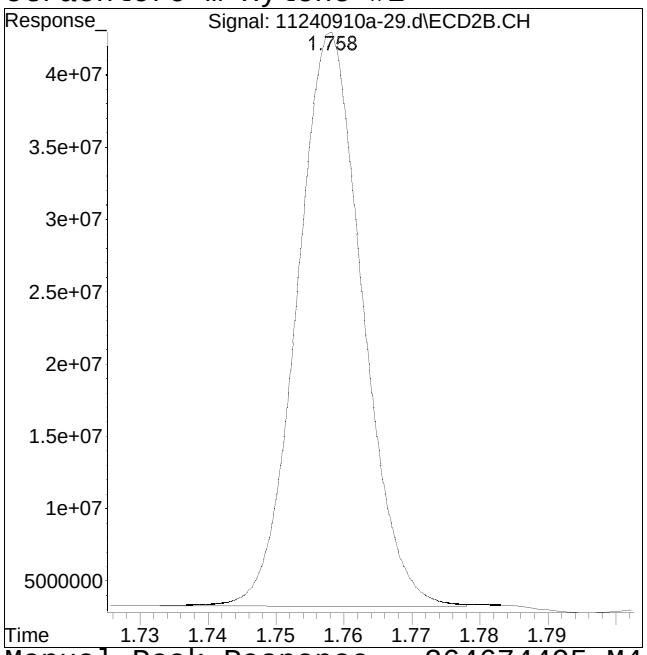
Original Peak Response = 504918797 Manual Peak Response = 457366072 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



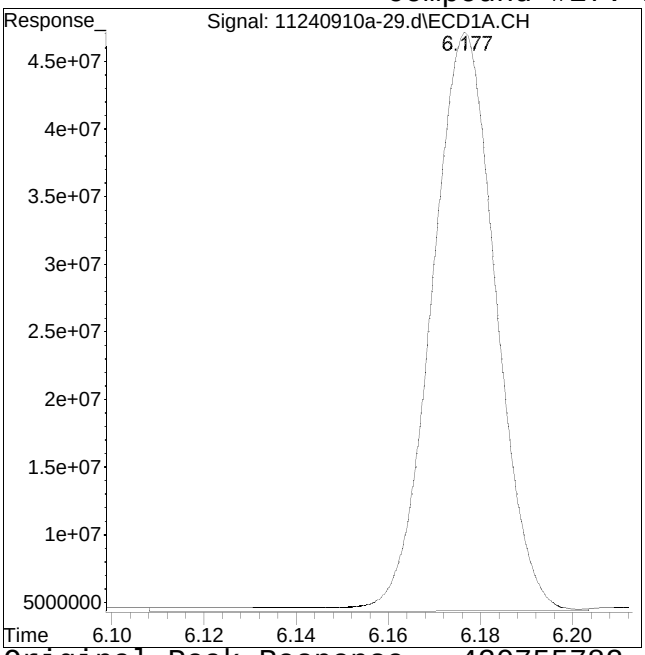


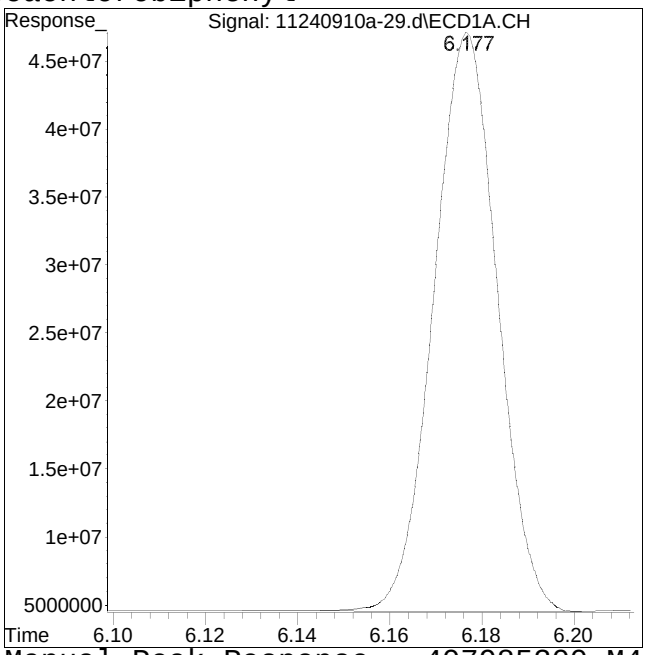
Original Peak Response = 279835402 Manual Peak Response = 264674495 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #27: Decachlorobiphenyl



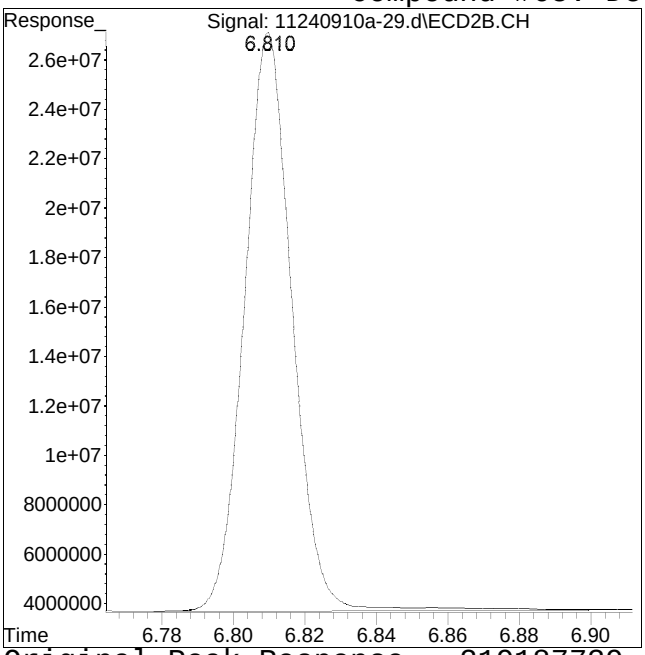


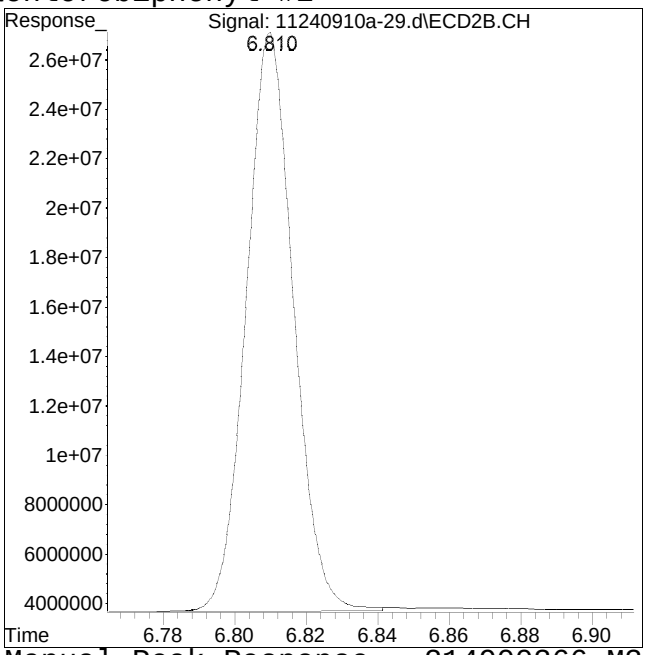
Original Peak Response = 420755782 Manual Peak Response = 407985300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #65: Decachlorobiphenyl #2



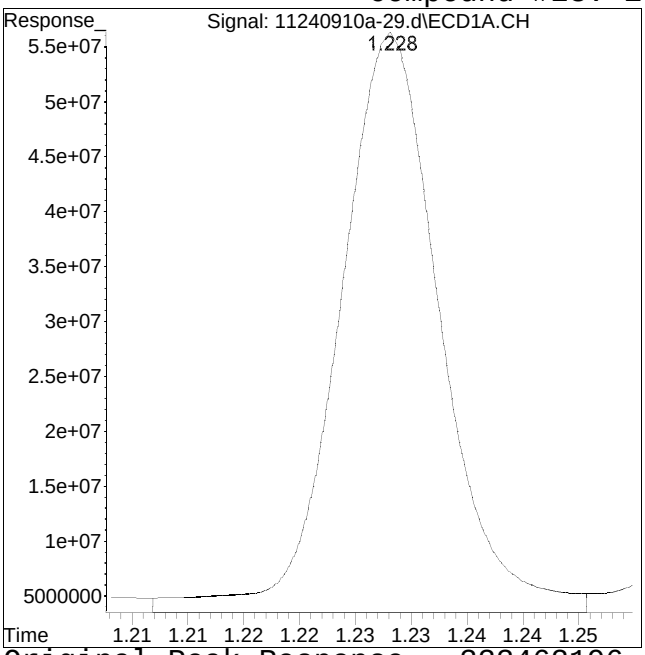


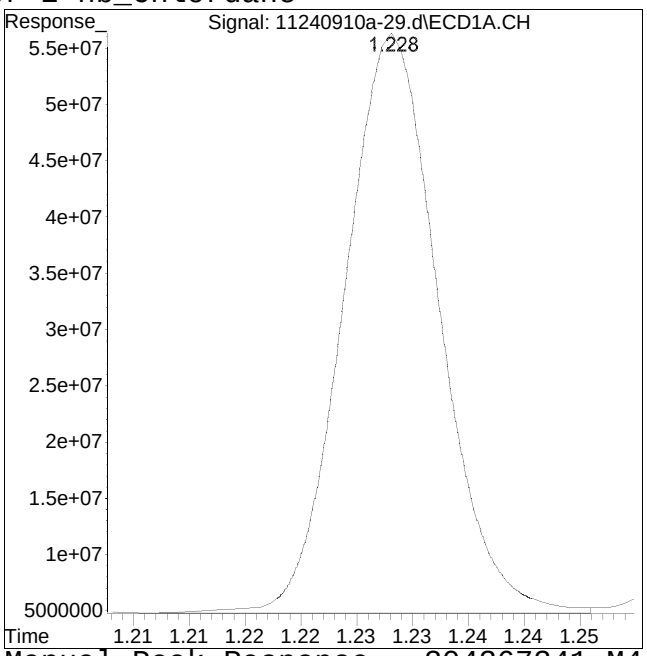
Original Peak Response = 219187739 Manual Peak Response = 214900366 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #28: 1-br-2-nb_Chlordane



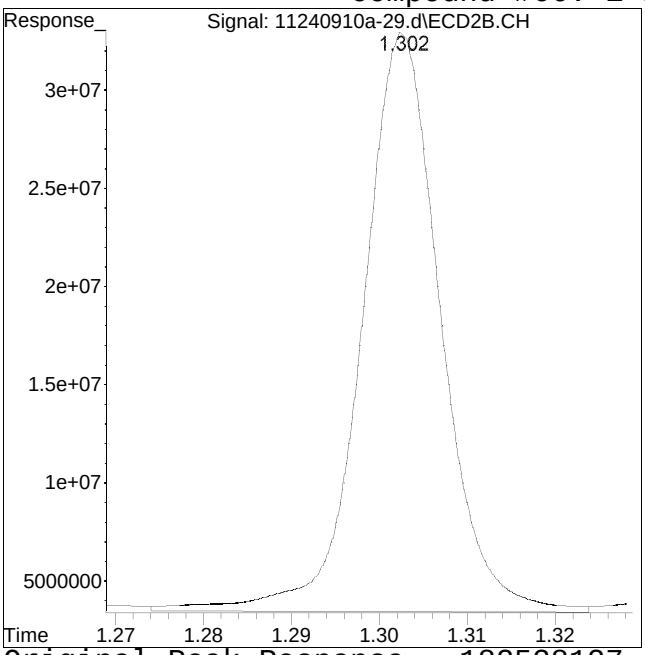


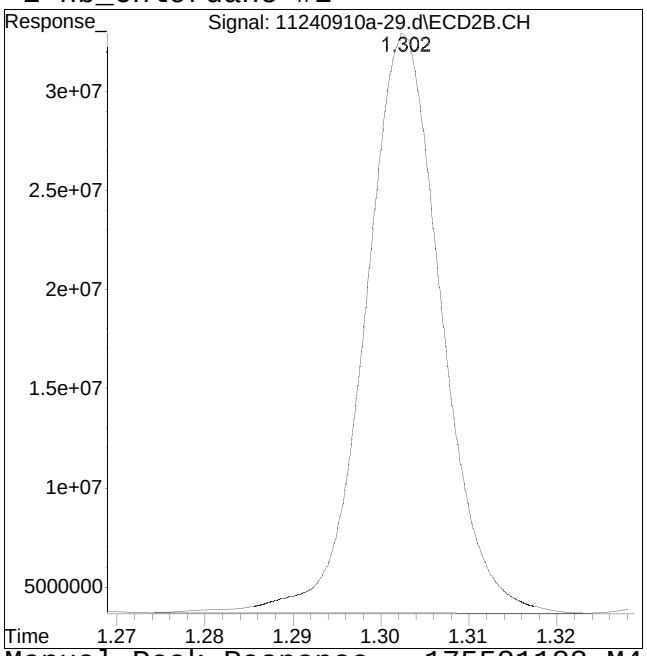
Original Peak Response = 333462196 Manual Peak Response = 304367341 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #66: 1-br-2-nb_Chlordane #2



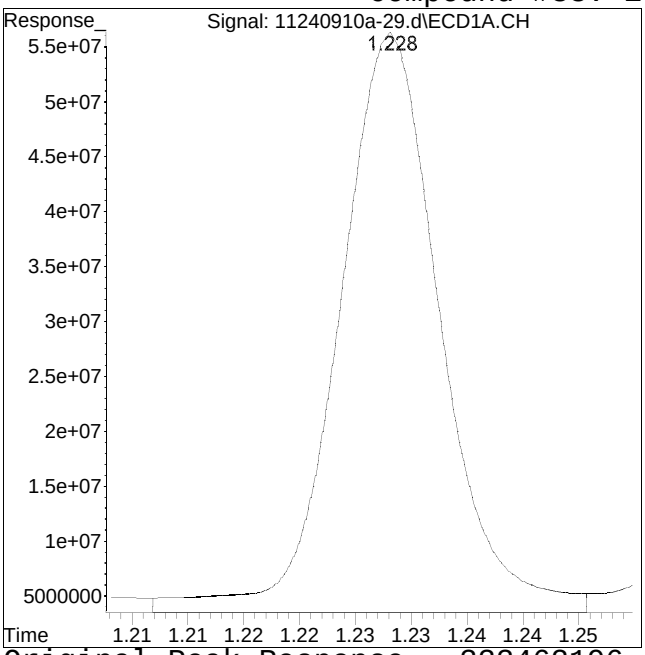


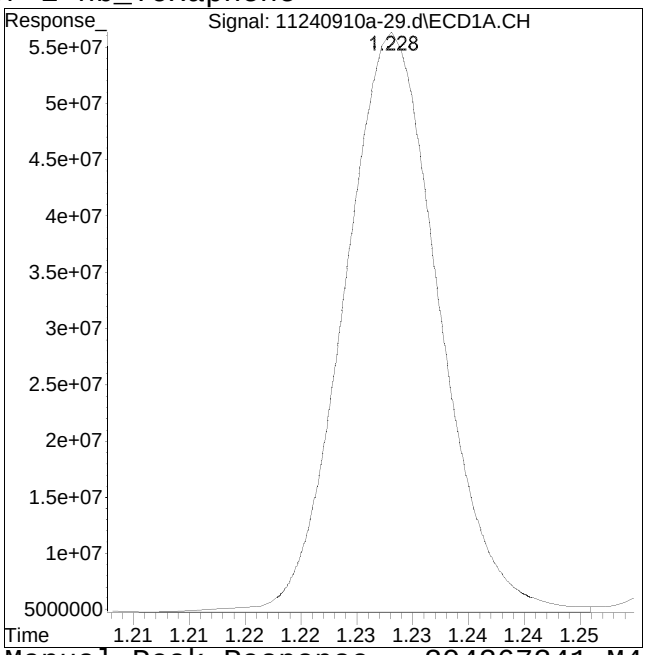
Original Peak Response = 182528127 Manual Peak Response = 175581188 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #33: 1-br-2-nb_Toxaphene



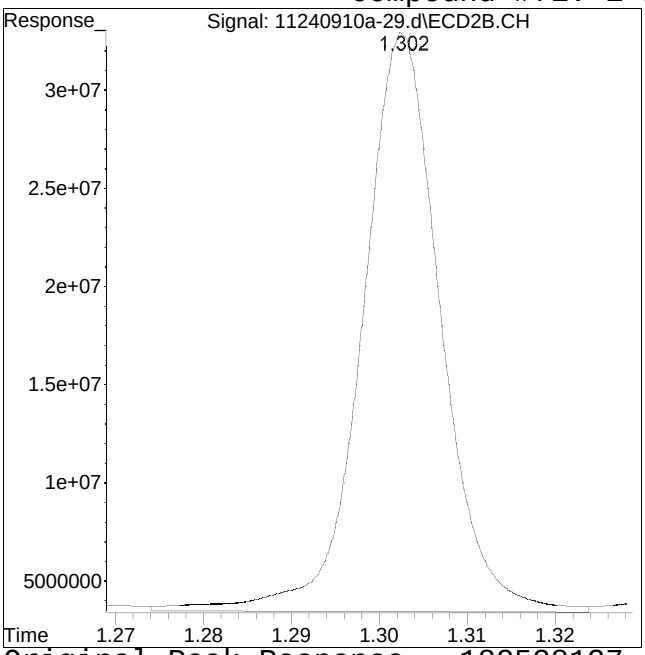


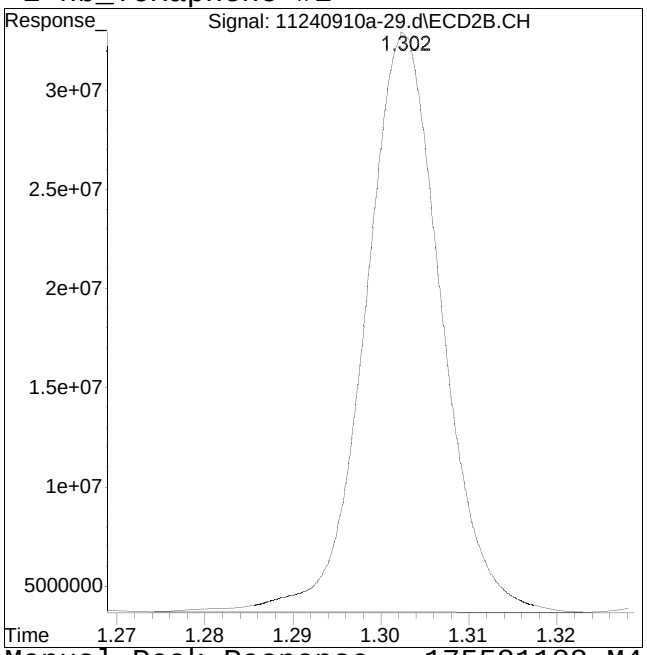
Original Peak Response = 333462196 Manual Peak Response = 304367341 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-29.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:30 Instrument : Pest 11
Sample : L2450786-08,42,, Quant Date : 9/10/2024 3:44 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 182528127 Manual Peak Response = 175581188 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:42
Operator : PEST11:jag
Sample : L2450786-09,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:00 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	304.0E6	174.3E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 113.41%		
	Standard Area 1 : #2 = 176274603				Recovery = 98.88%		
28) i	1-br-2-nb_Ch	1.229	1.302	304.0E6	174.3E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	304.0E6	174.3E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	533.5E6	311.6E6	42.232M3	40.135M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 84.46%		80.27%
27) s	Decachlorobi	6.179	6.811	523.7E6	282.1E6	37.033M4	38.166M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 74.07%		76.33%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:42
Operator : PEST11:jag
Sample : L2450786-09,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:00 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t 4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t 4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1 chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1 chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1 chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1 chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
34) l2 toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2 toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2 toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2 toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

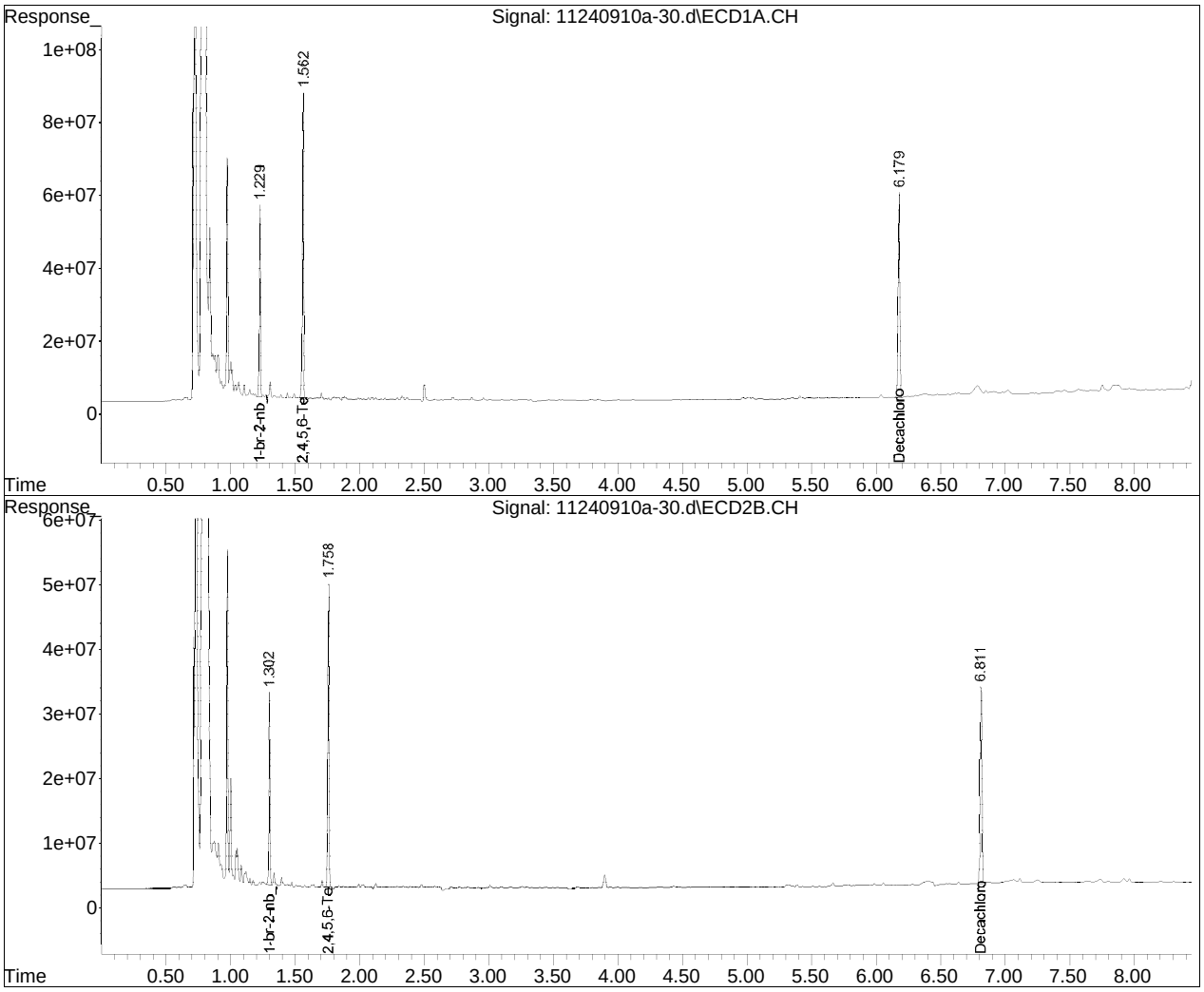
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-30.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:42
Operator : PEST11:jag
Sample : L2450786-09,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:00 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

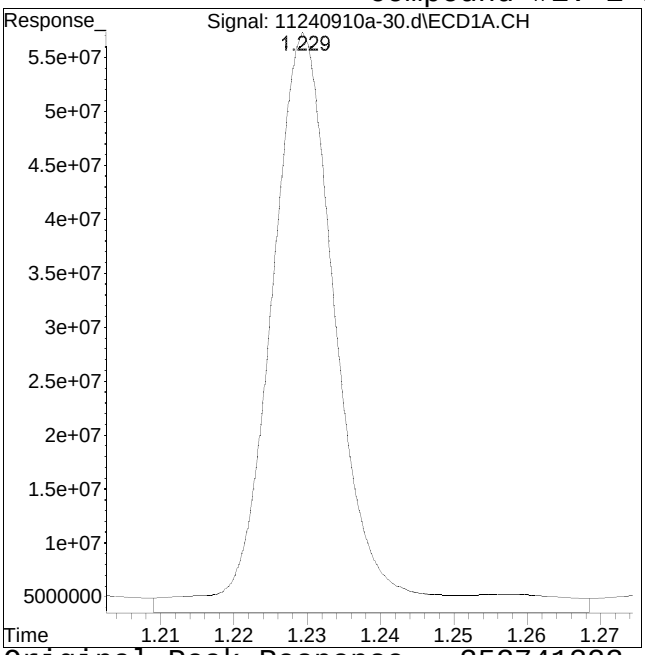
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

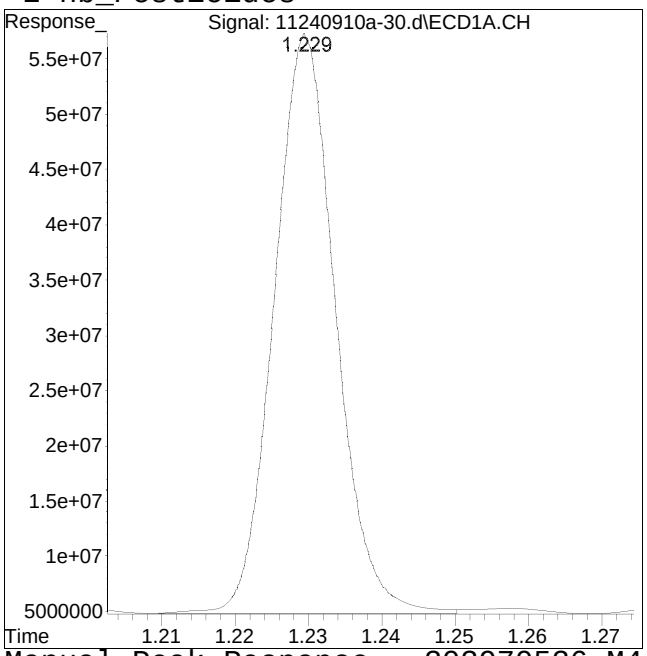


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #1: 1-br-2-nb_Pesticides



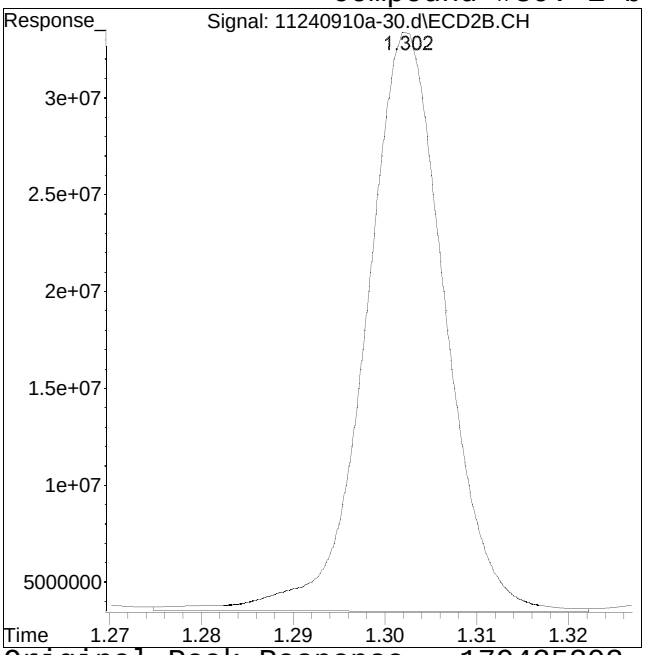


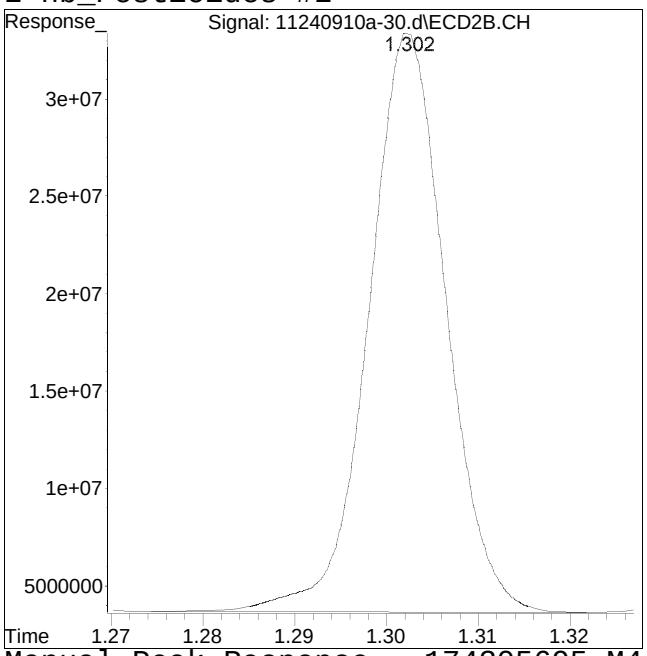
Original Peak Response = 352741323 Manual Peak Response = 303970536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #39: 1-br-2-nb_Pesticides #2



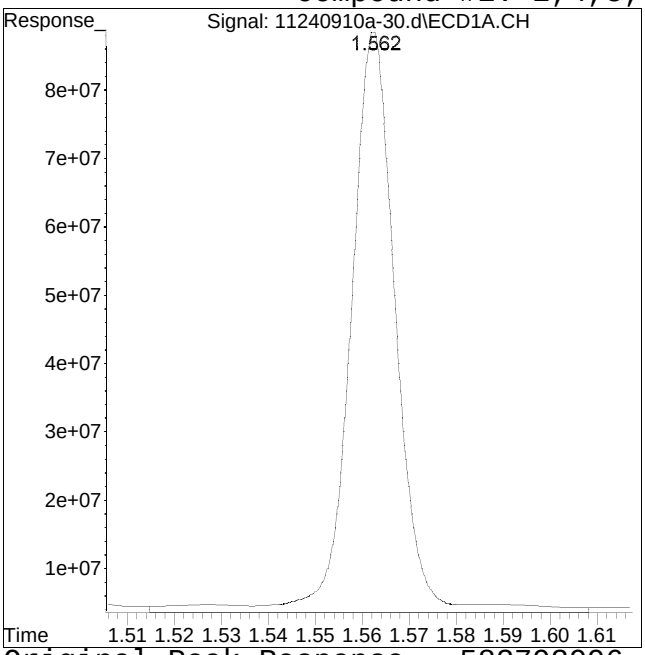


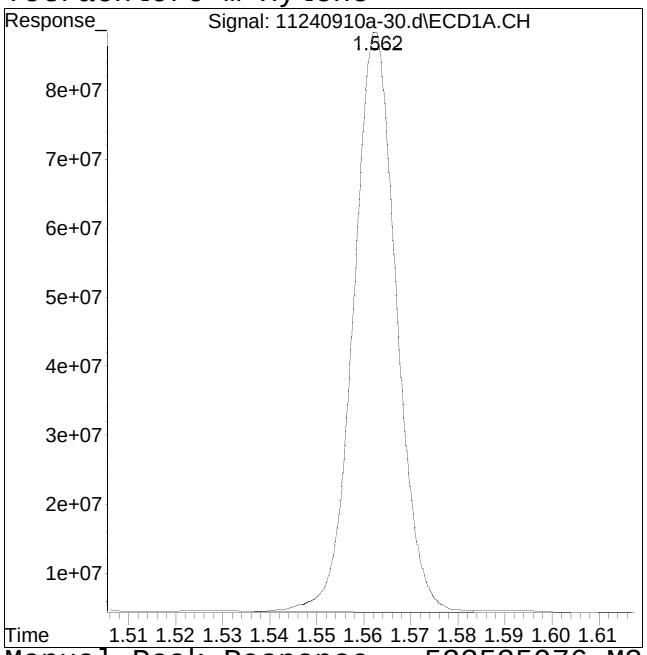
Original Peak Response = 179425303 Manual Peak Response = 174305695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



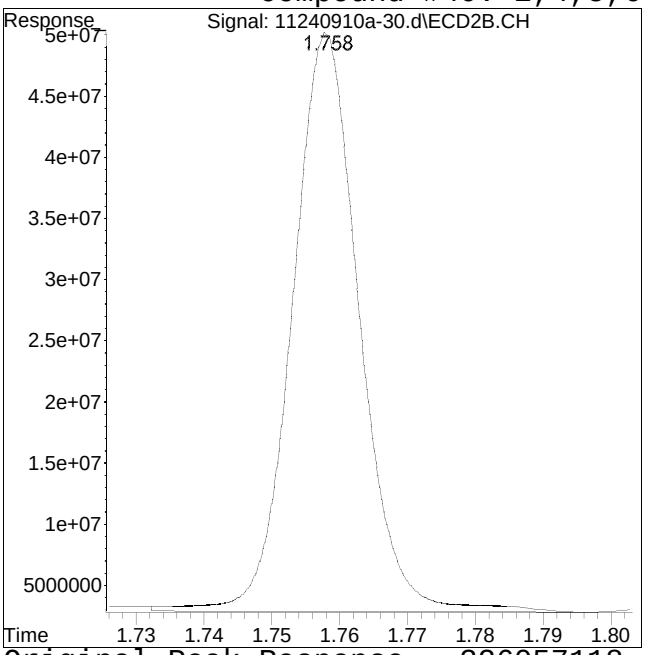


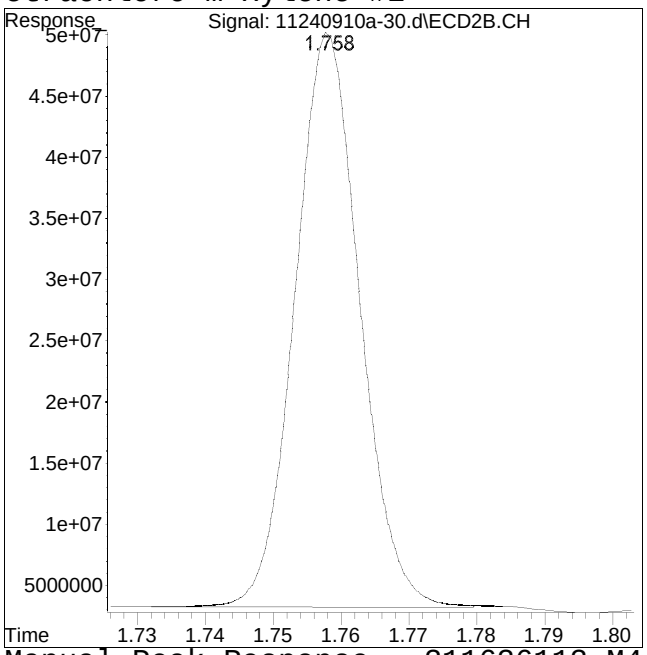
Original Peak Response = 583793996 Manual Peak Response = 533535976 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



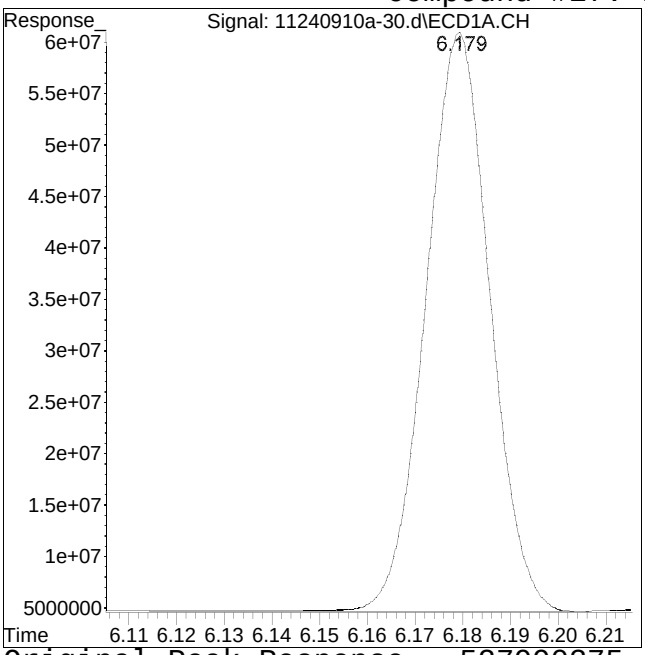


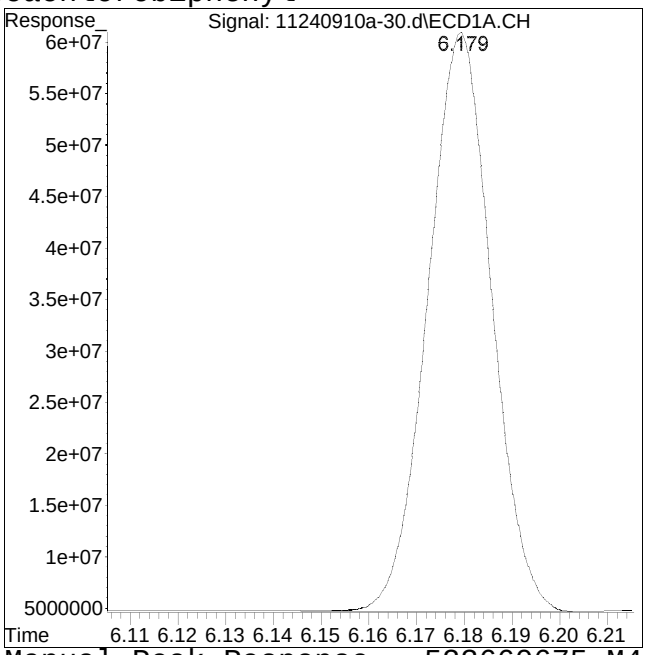
Original Peak Response = 326057118 Manual Peak Response = 311636113 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #27: Decachlorobiphenyl



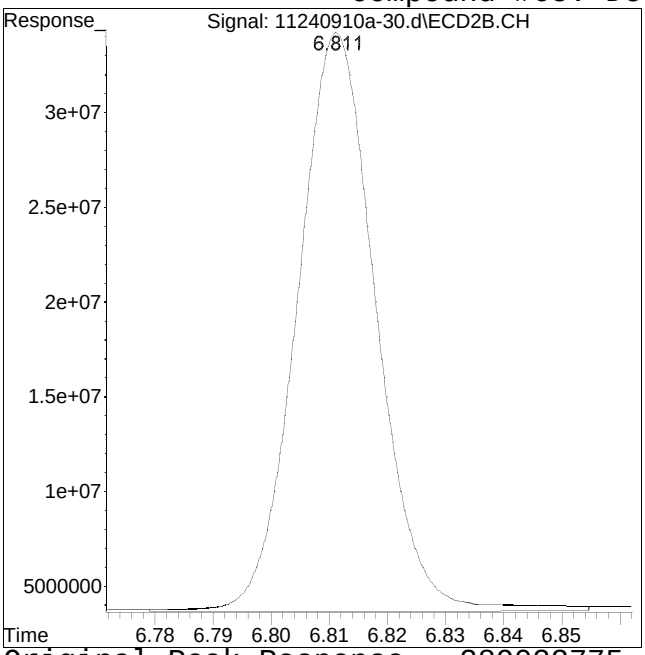


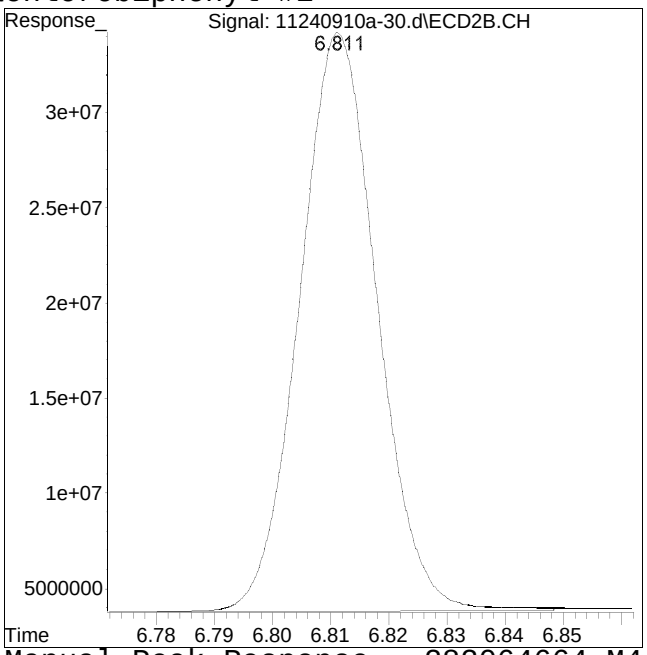
Original Peak Response = 527990375 Manual Peak Response = 523660675 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #65: Decachlorobiphenyl #2



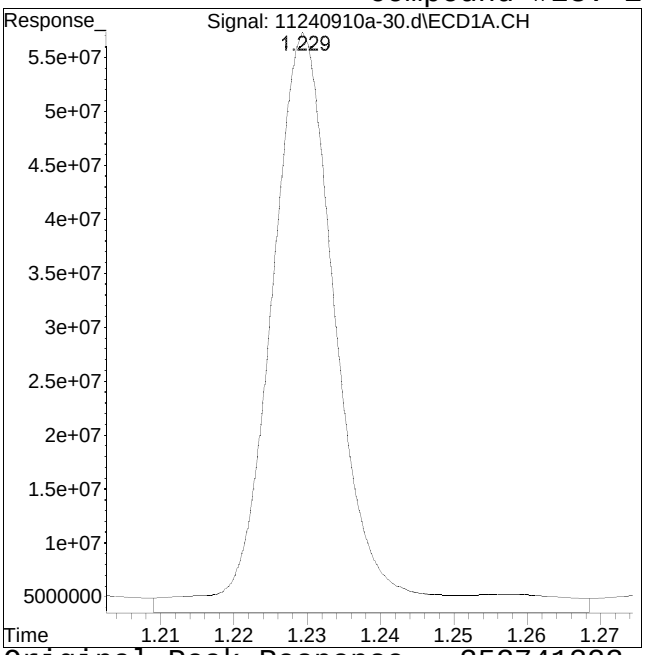


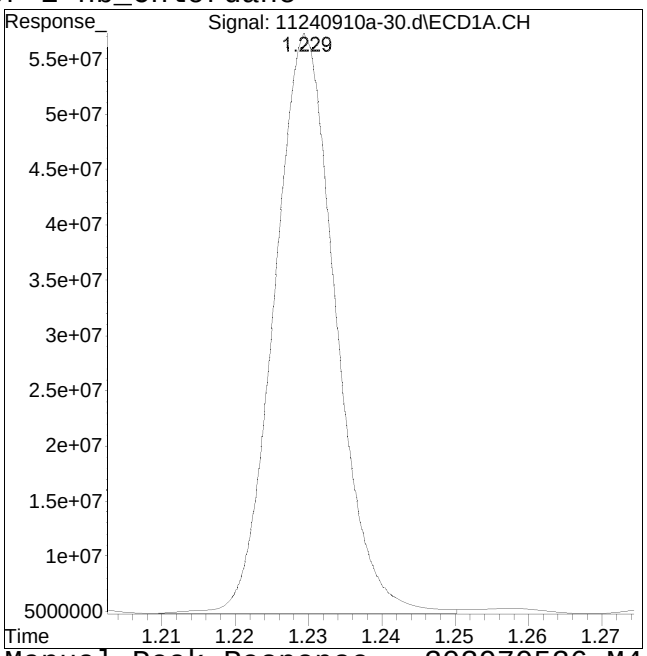
Original Peak Response = 289022775 Manual Peak Response = 282064664 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #28: 1-br-2-nb_Chlordane



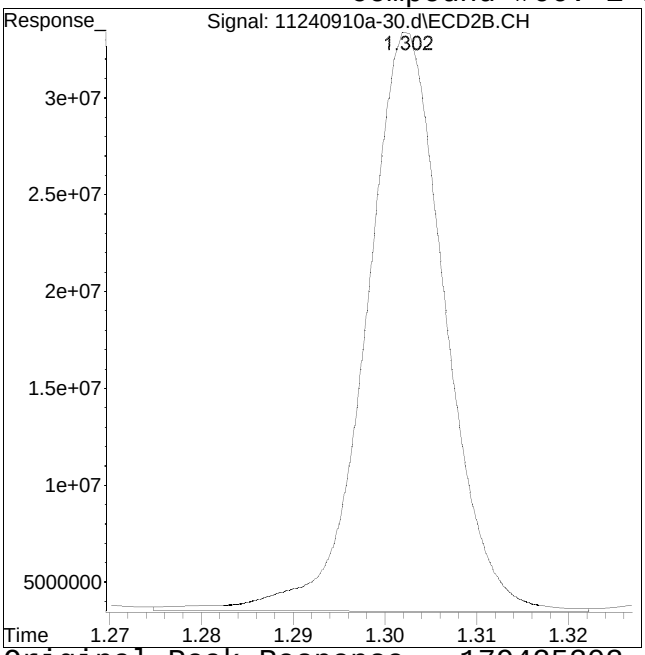


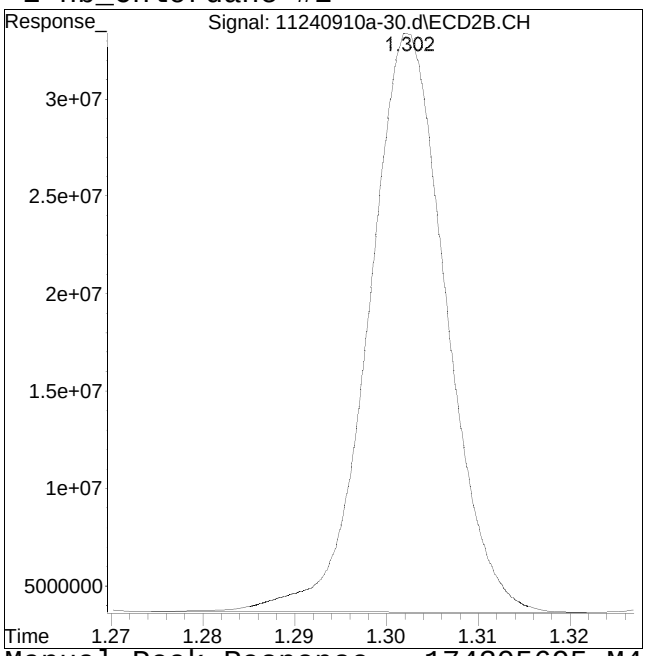
Original Peak Response = 352741323 Manual Peak Response = 303970536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #66: 1-br-2-nb_Chlordane #2



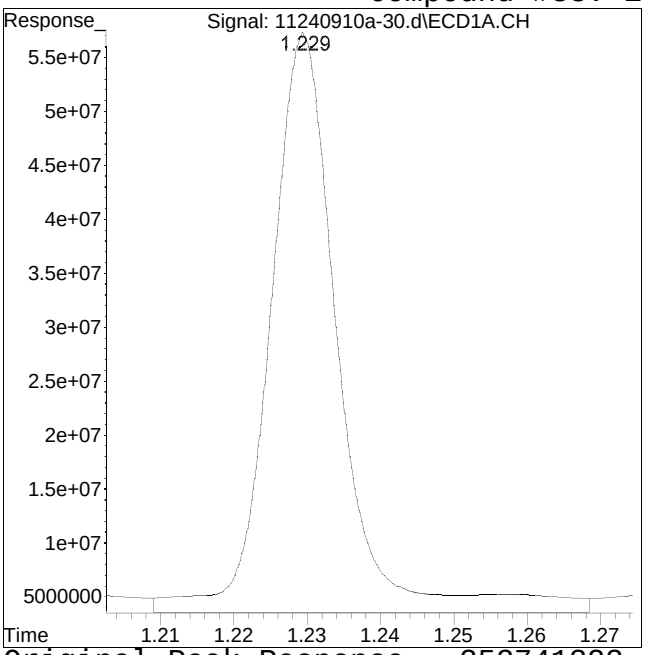


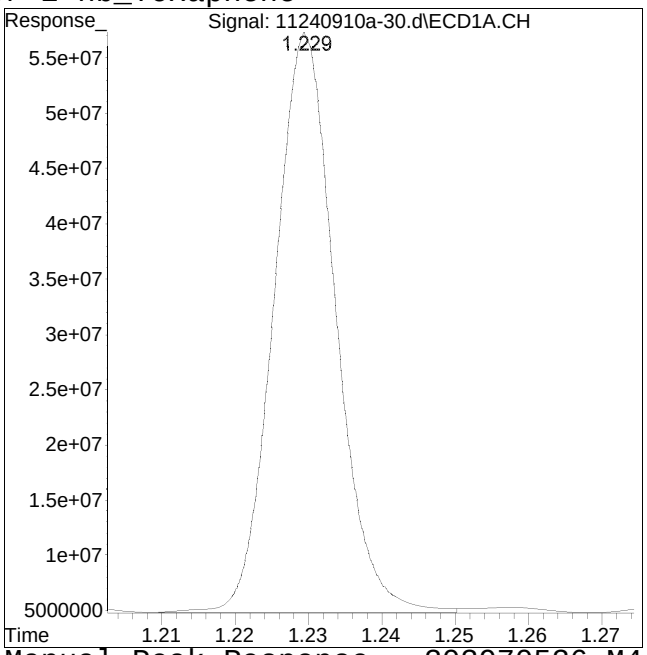
Original Peak Response = 179425303 Manual Peak Response = 174305695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #33: 1-br-2-nb_Toxaphene



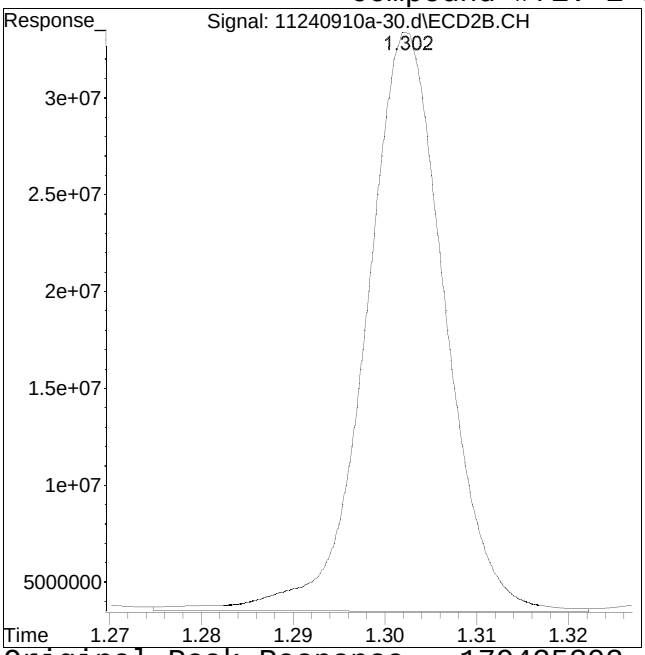


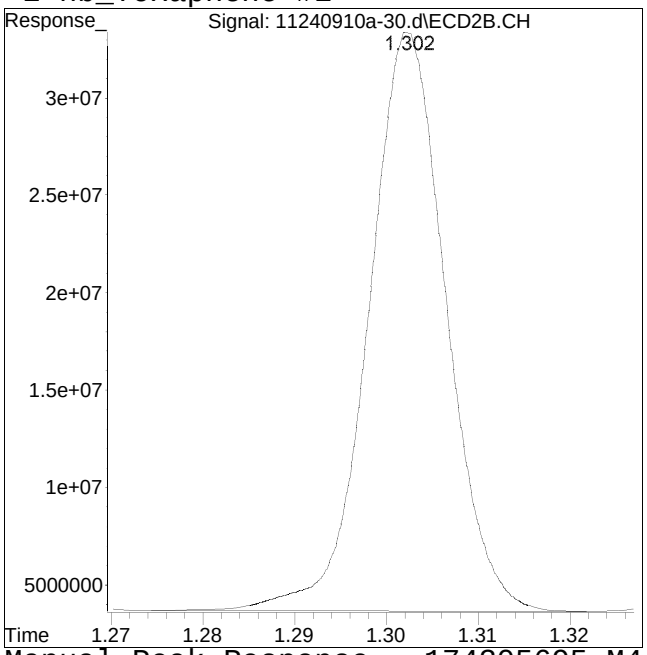
Original Peak Response = 352741323 Manual Peak Response = 303970536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-30.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:42 Instrument : Pest 11
Sample : L2450786-09,42,, Quant Date : 9/10/2024 3:45 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 179425303 Manual Peak Response = 174305695 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:54
Operator : PEST11:jag
Sample : L2450786-10,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:03 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	312.8E6	183.0E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 116.70%		
	Standard Area 1 : #2 = 176274603				Recovery = 103.82%		
28) i	1-br-2-nb_Ch	1.229	1.302	312.8E6	183.0E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	312.8E6	183.0E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	532.9E6	307.4E6	40.989M3	37.703M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 81.98%		75.41%
27) s	Decachlorobi	6.179	6.813	516.7E6	277.2E6	35.513M4	35.724M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 71.03%		71.45%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:54
Operator : PEST11:jag
Sample : L2450786-10,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:03 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

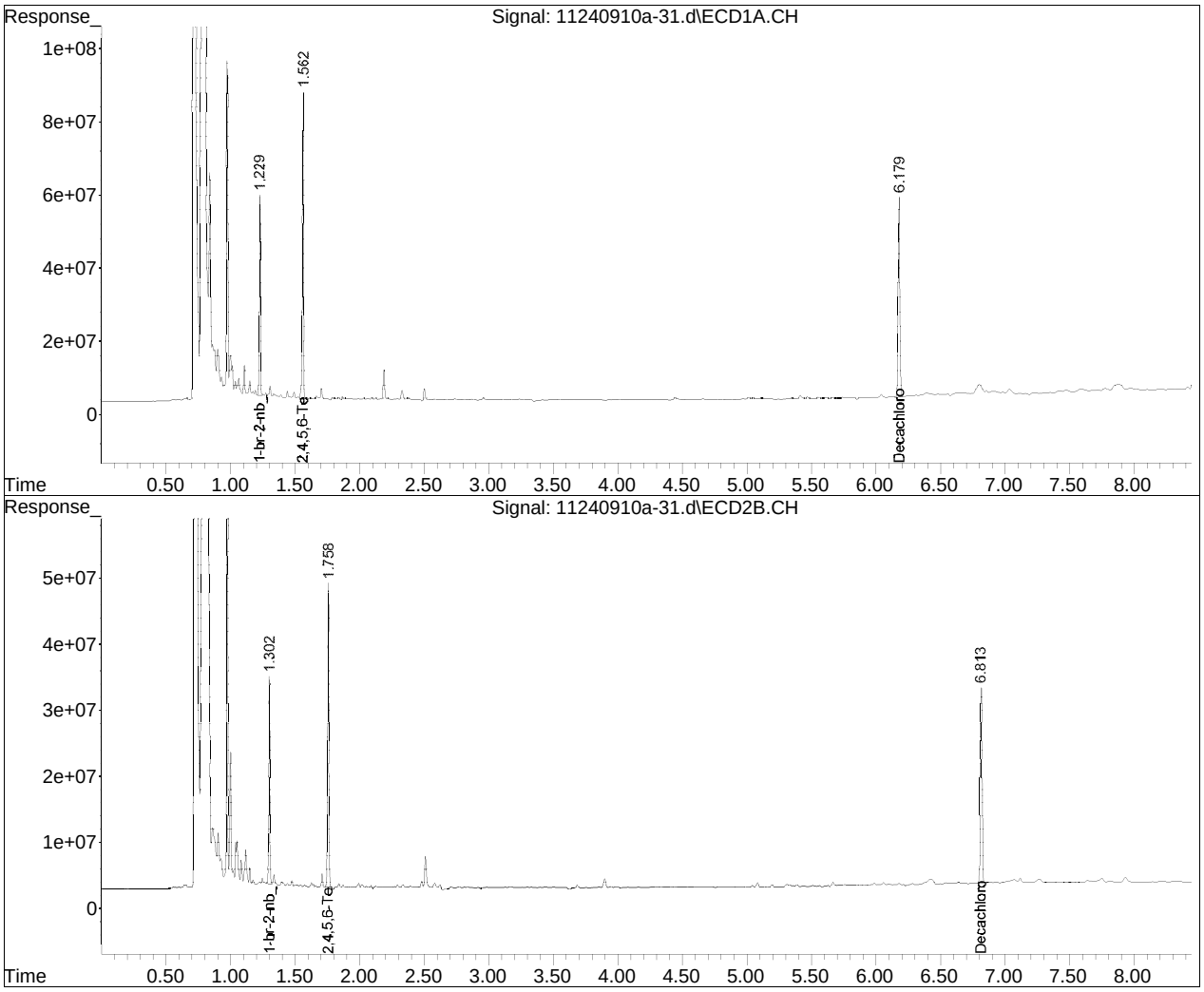
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-31.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 14:54
Operator : PEST11:jag
Sample : L2450786-10,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:03 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

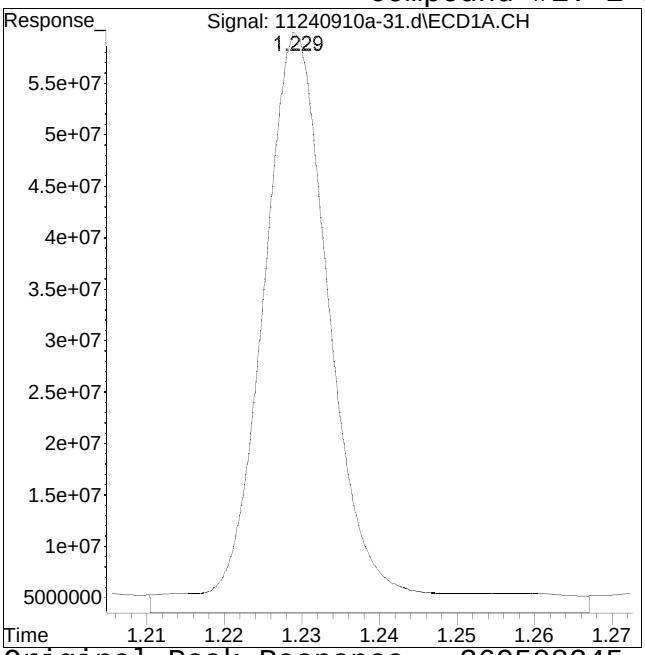
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

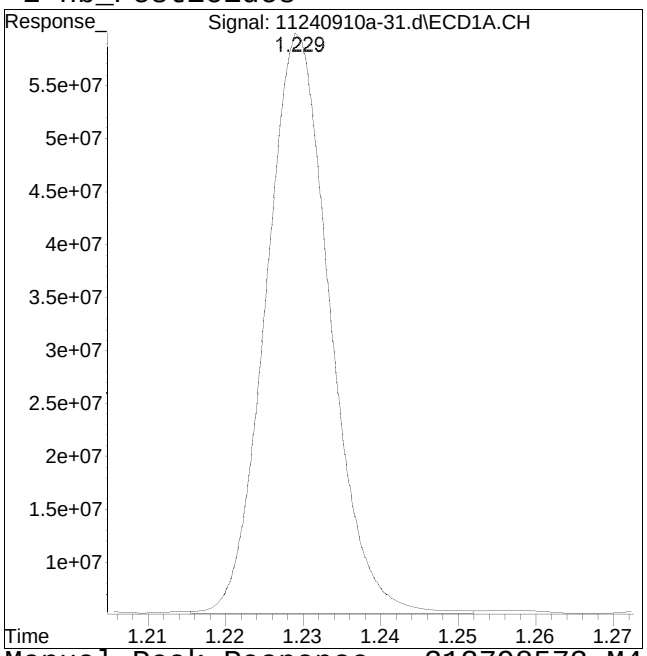


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #1: 1-br-2-nb_Pesticides



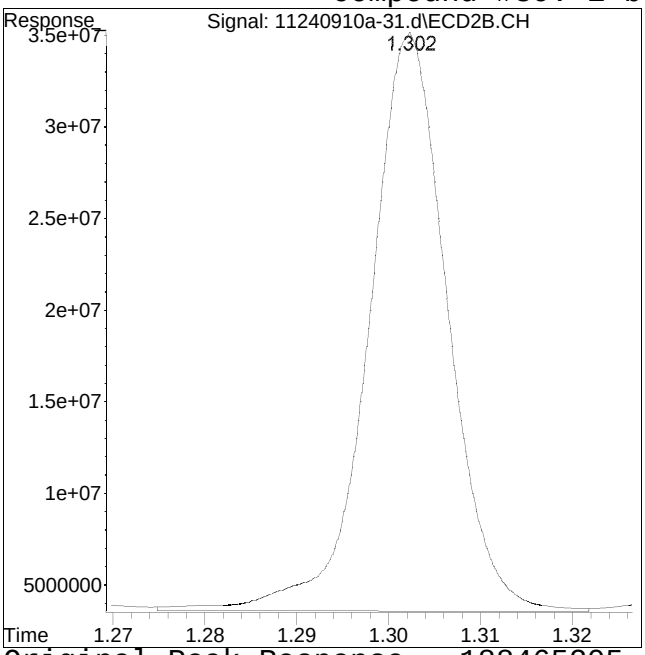


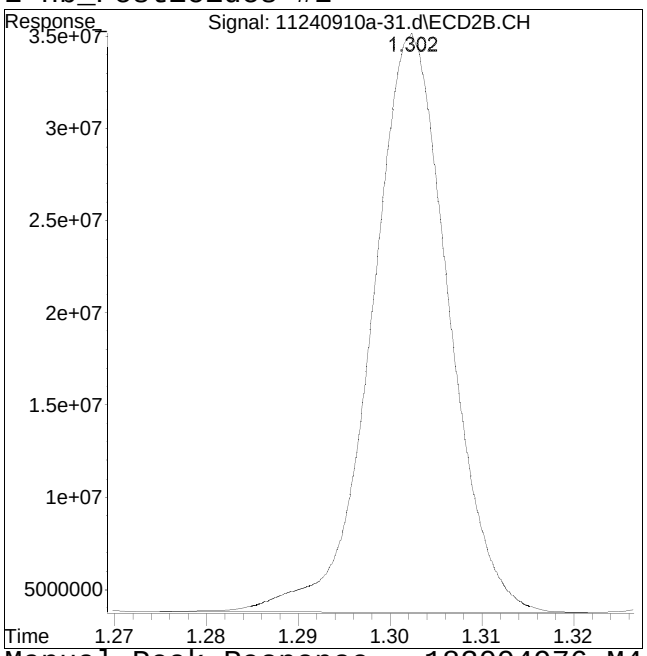
Original Peak Response = 369508245 Manual Peak Response = 312798573 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #39: 1-br-2-nb_Pesticides #2



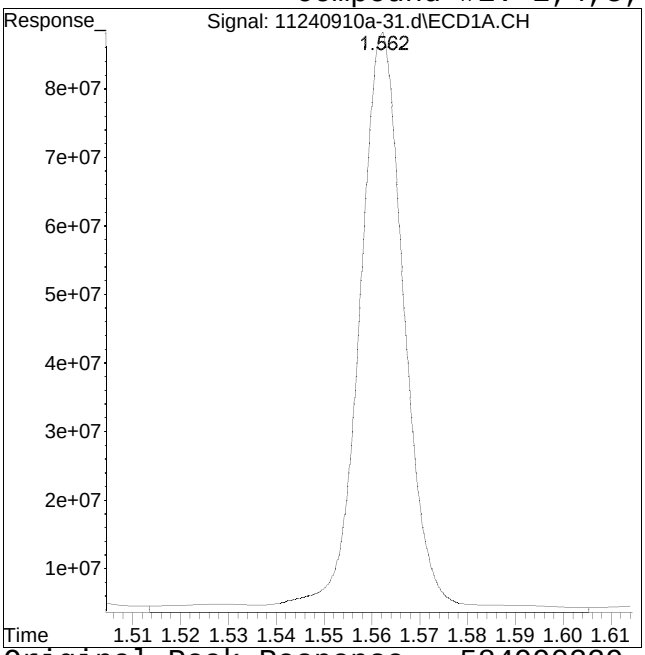


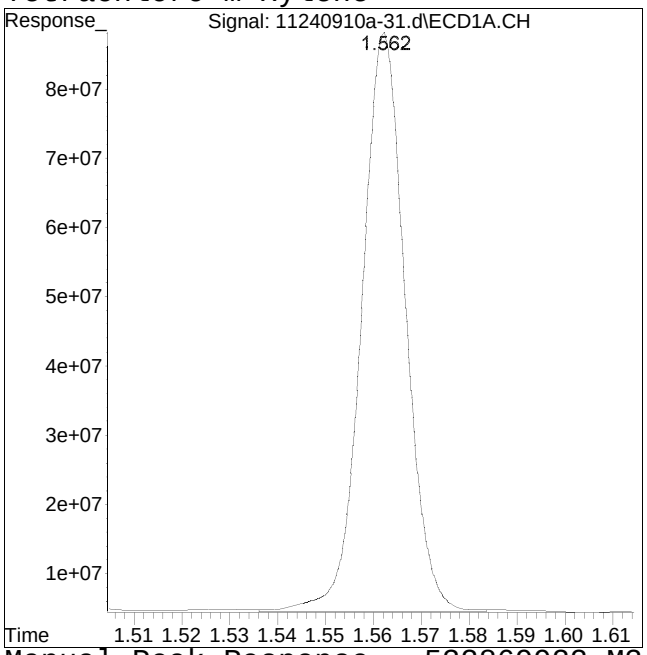
Original Peak Response = 188465205 Manual Peak Response = 183004976 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



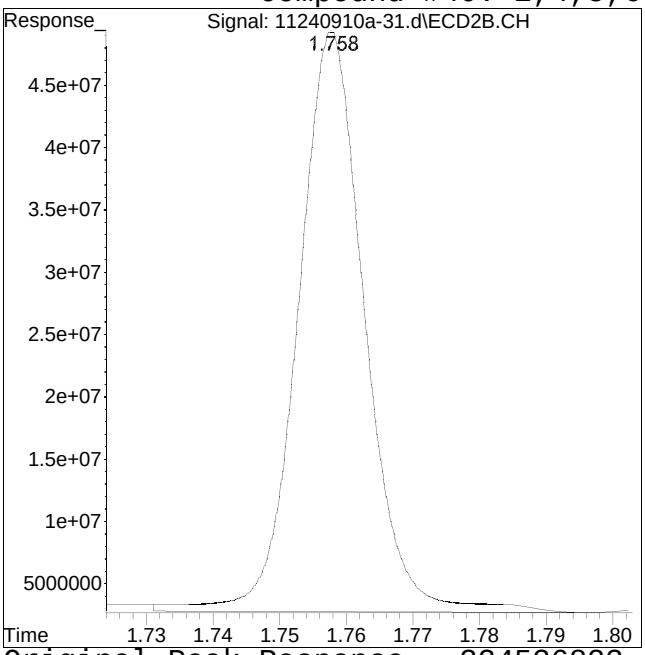


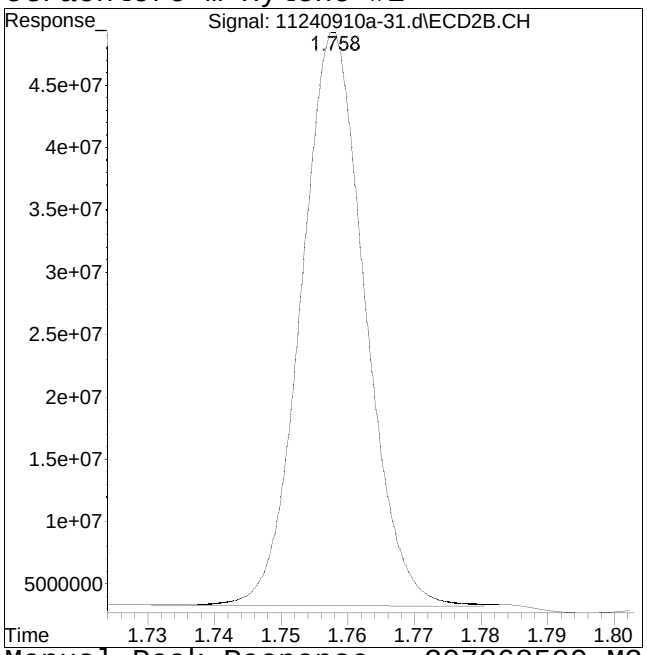
Original Peak Response = 584990329 Manual Peak Response = 532869922 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



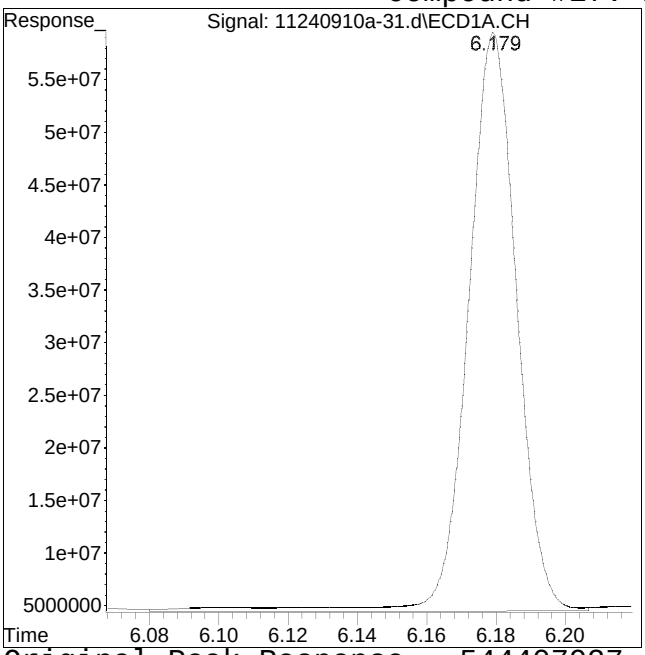


Original Peak Response = 324536823 Manual Peak Response = 307368590 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

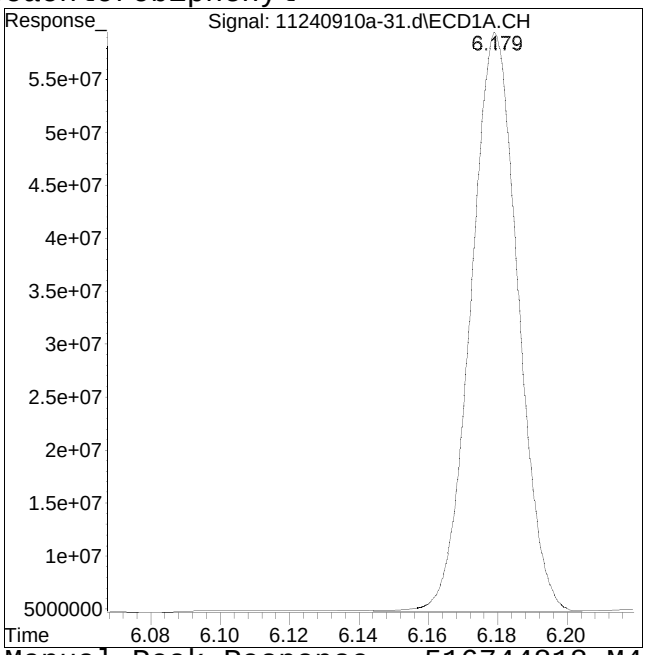
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 544407927



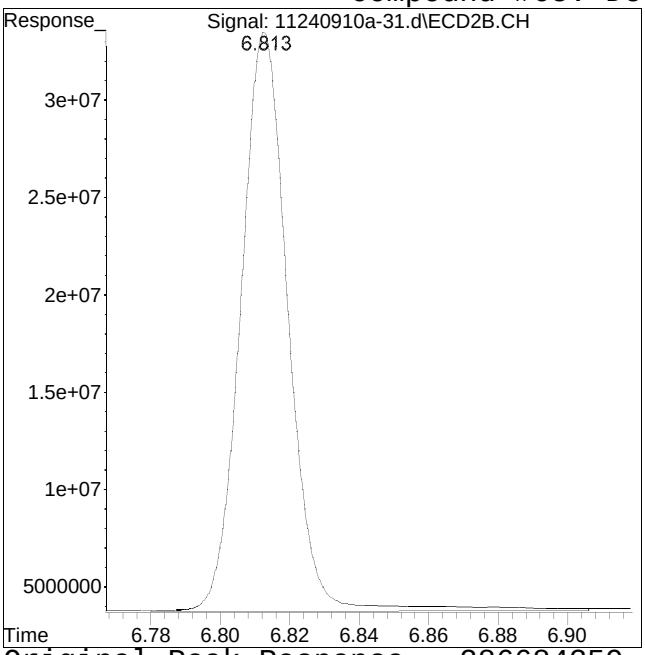
Manual Peak Response = 516744818 M4

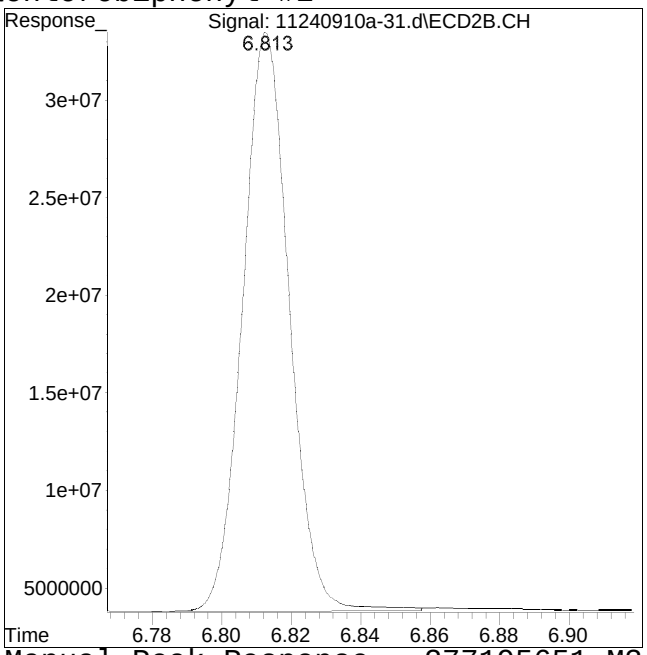
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #65: Decachlorobiphenyl #2



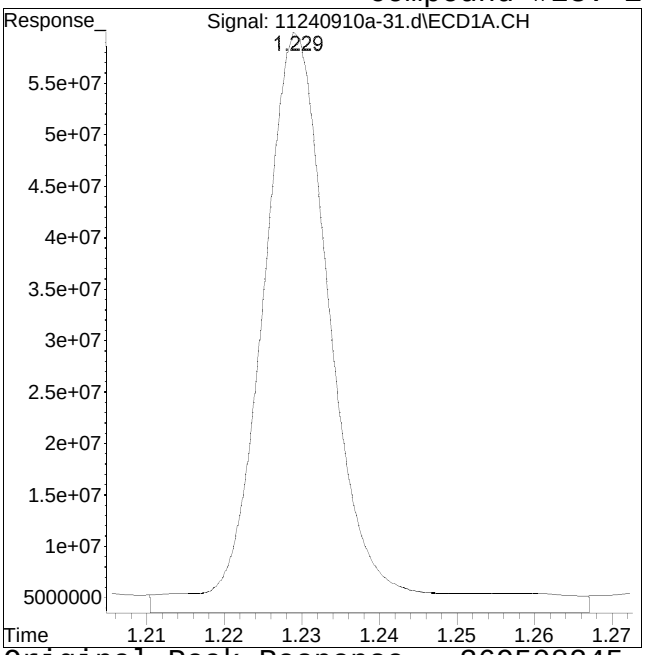


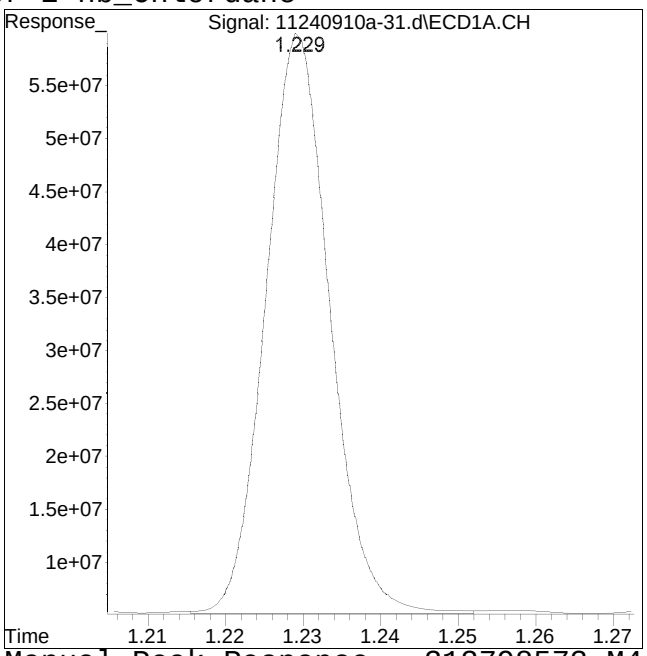
Original Peak Response = 286684359 Manual Peak Response = 277195651 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #28: 1-br-2-nb_Chlordane



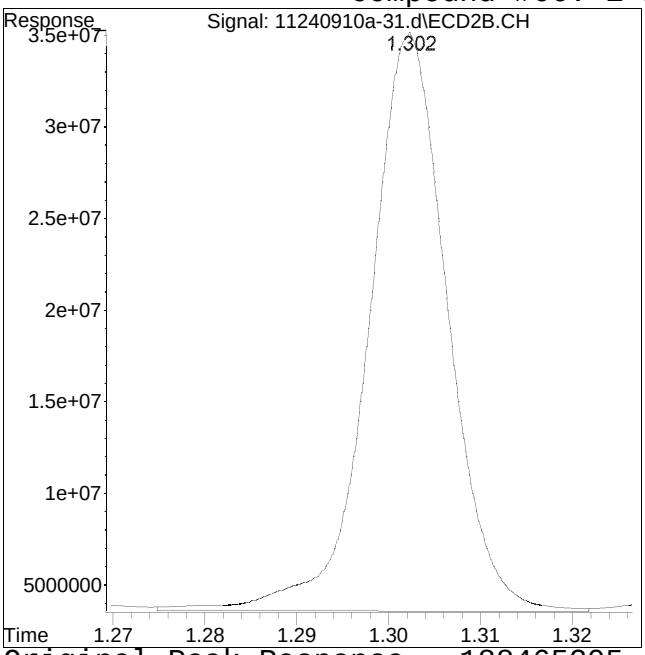


Original Peak Response = 369508245 Manual Peak Response = 312798573 M4
M4 = Poor automated baseline construction.

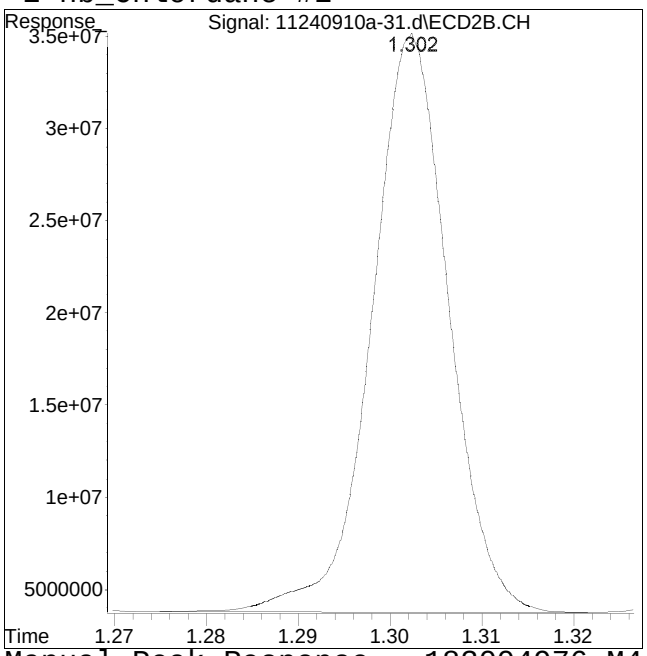
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 188465205



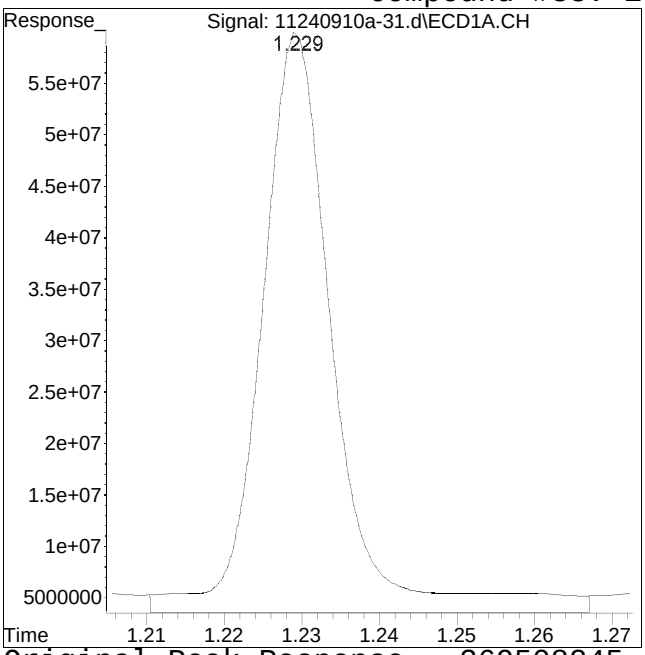
Manual Peak Response = 183004976 M4

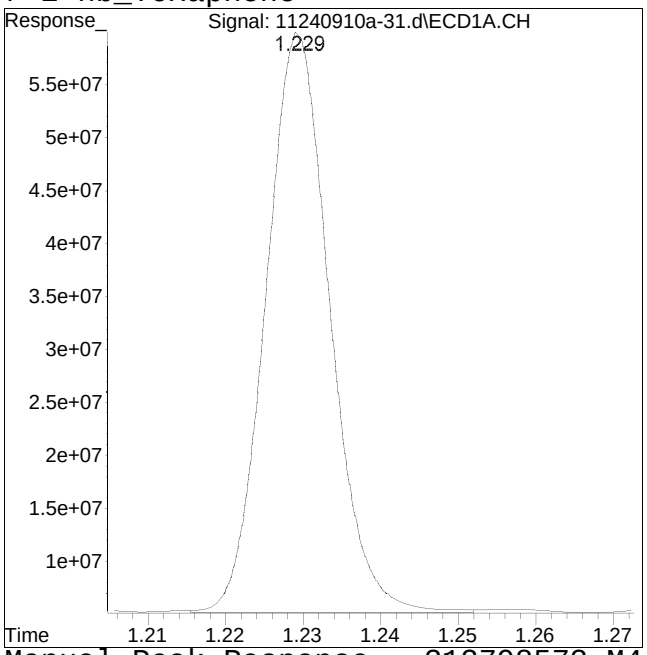
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #33: 1-br-2-nb_Toxaphene



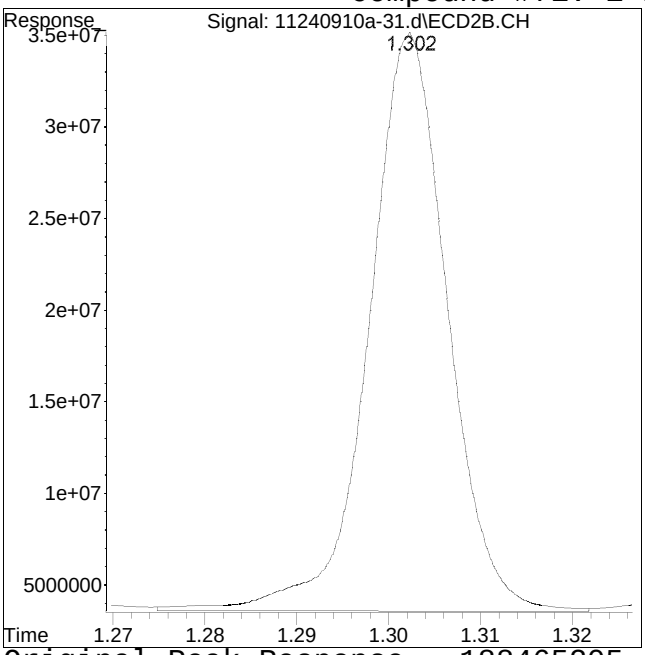


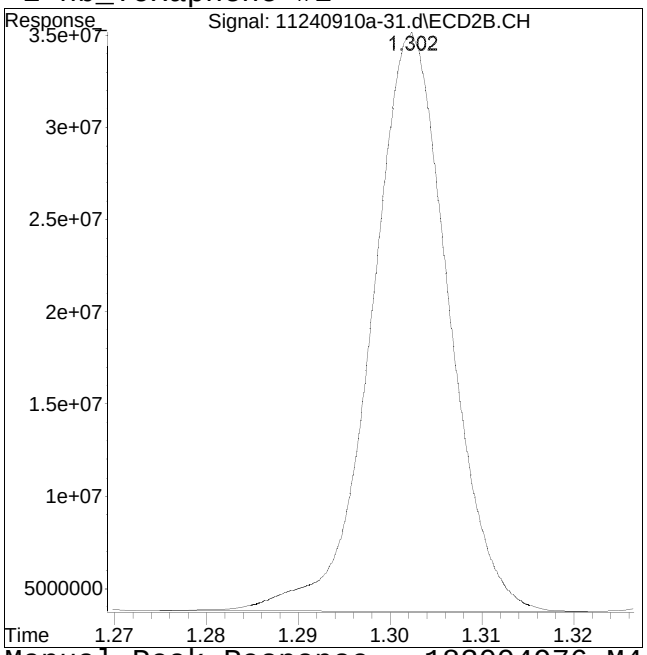
Original Peak Response = 369508245 Manual Peak Response = 312798573 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-31.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 14:54 Instrument : Pest 11
Sample : L2450786-10,42,, Quant Date : 9/10/2024 3:45 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 188465205 Manual Peak Response = 183004976 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 15:06
Operator : PEST11:jag
Sample : L2450786-12,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:05 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.302	303.3E6	177.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 113.17%		
	Standard Area 1 : #2 = 176274603				Recovery = 100.78%		
28) i	1-br-2-nb_Ch	1.230	1.302	303.3E6	177.6E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	1.230	1.302	303.3E6	177.6E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	522.2E6	302.6E6	41.422M4	38.239M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 82.84%		76.48%
27) s	Decachlorobi	6.178	6.812	500.6E6	267.8E6	35.476M4	35.555M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 70.95%		71.11%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 15:06
Operator : PEST11:jag
Sample : L2450786-12,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:05 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

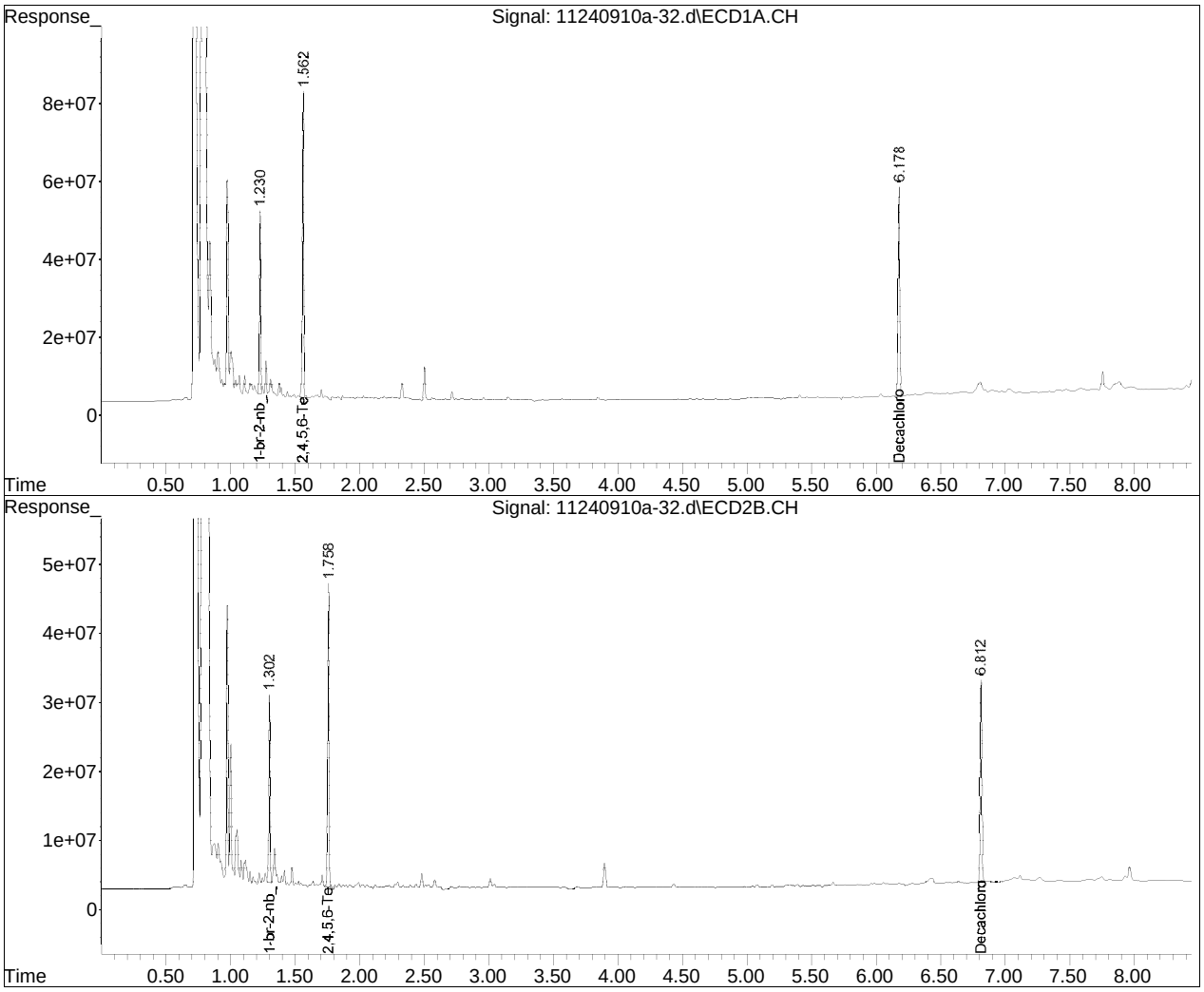
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-32.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 15:06
Operator : PEST11:jag
Sample : L2450786-12,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 15:45:05 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

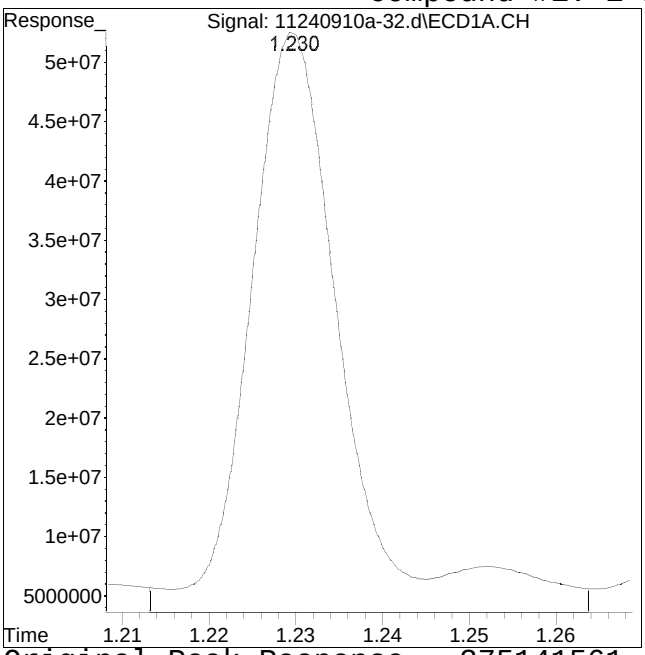
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

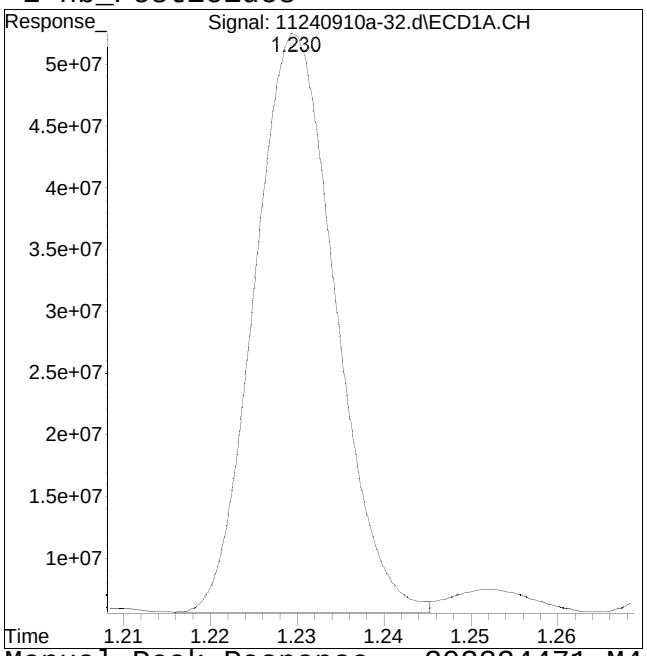


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #1: 1-br-2-nb_Pesticides



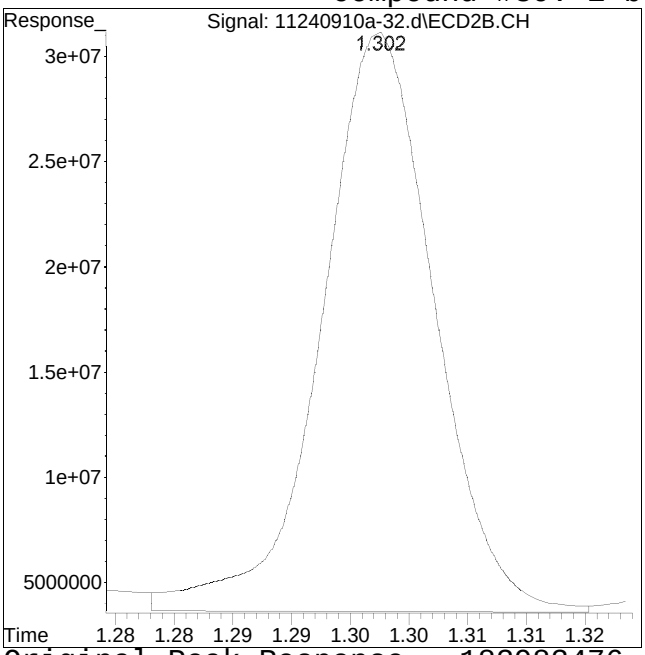


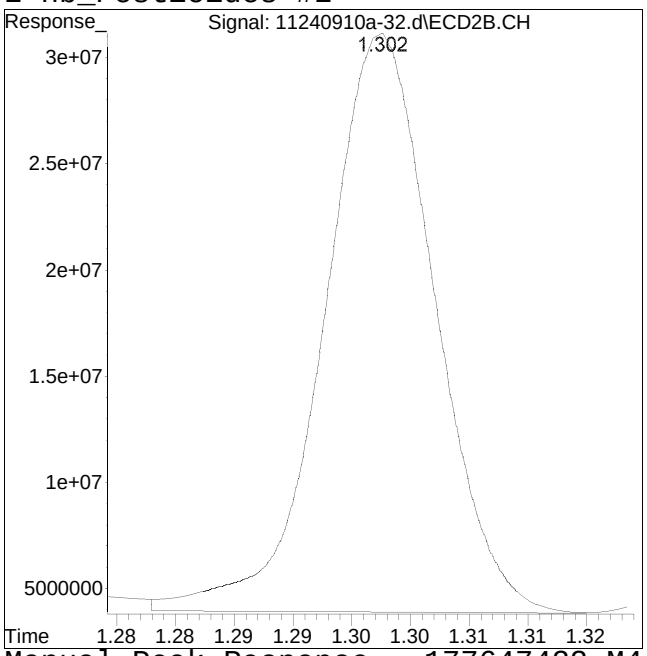
Original Peak Response = 375141561 Manual Peak Response = 303324471 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #39: 1-br-2-nb_Pesticides #2



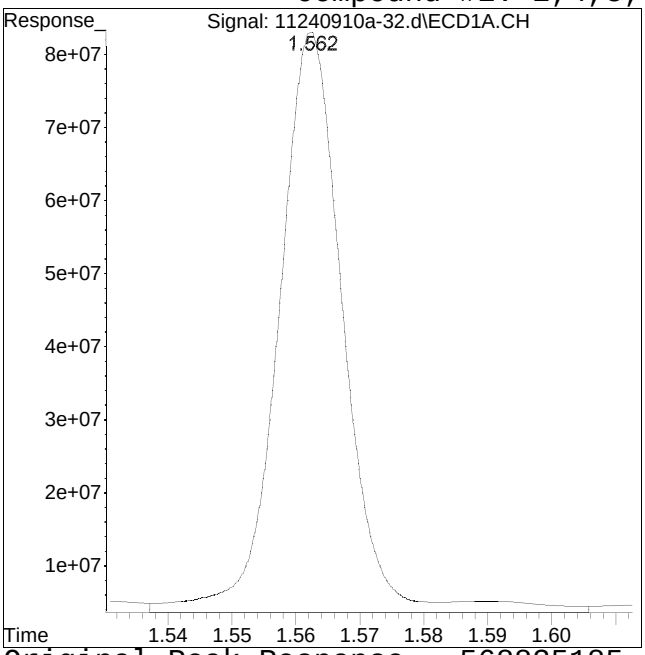


Original Peak Response = 183983476 Manual Peak Response = 177647422 M4
M4 = Poor automated baseline construction.

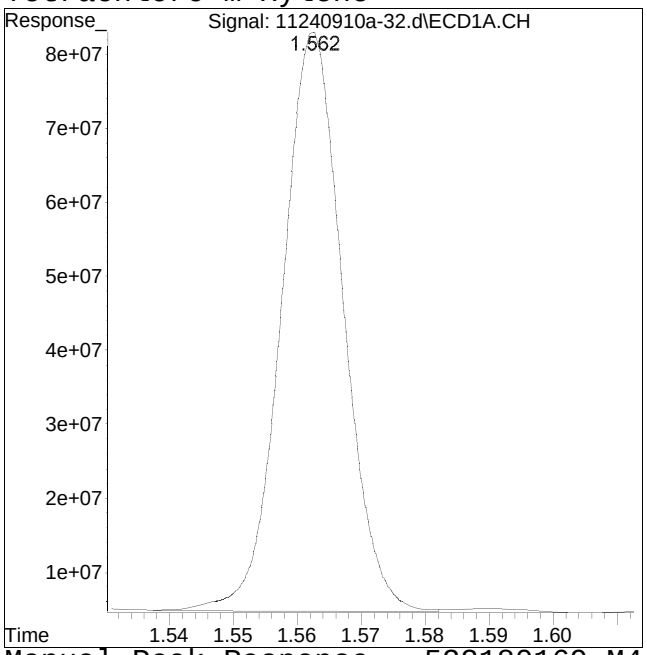
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 568835185



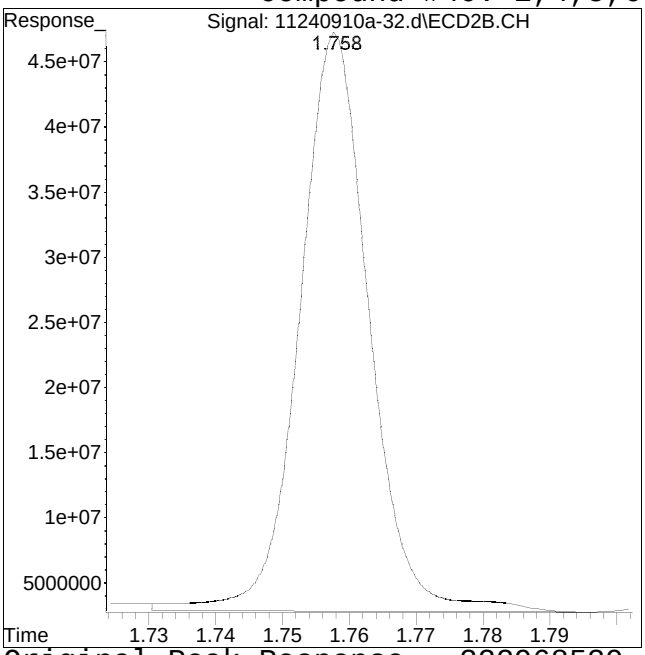
Manual Peak Response = 522180169 M4

M4 = Poor automated baseline construction.

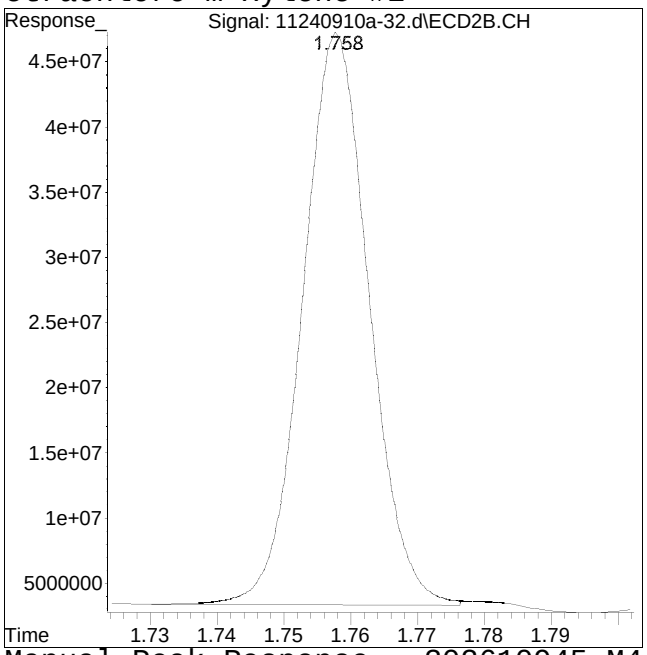
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 322968539



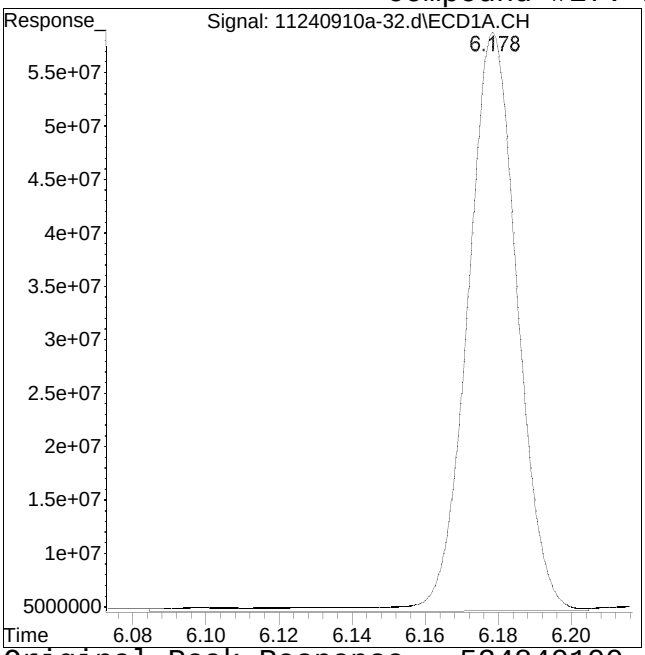
Manual Peak Response = 302610945 M4

M4 = Poor automated baseline construction.

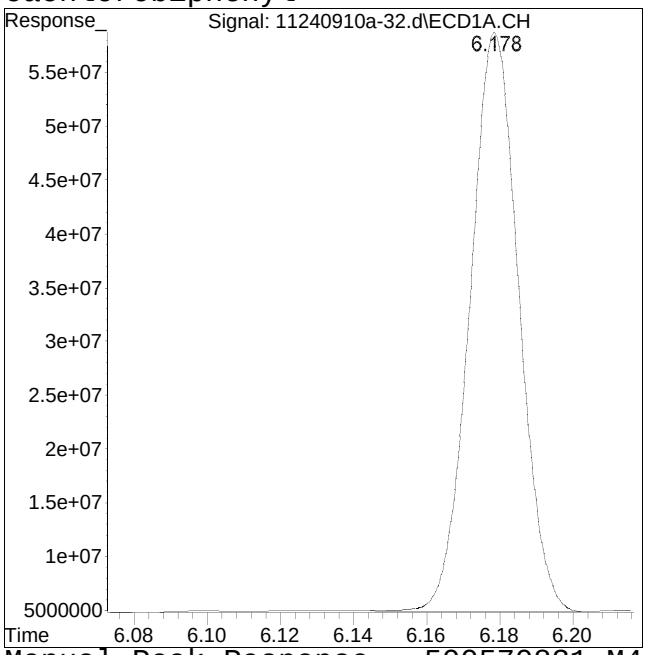
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 524840100



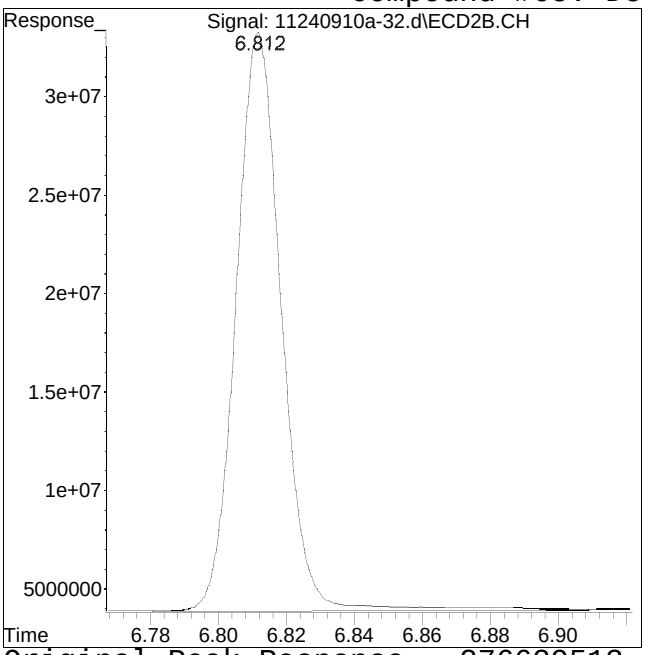
Manual Peak Response = 500570831 M4

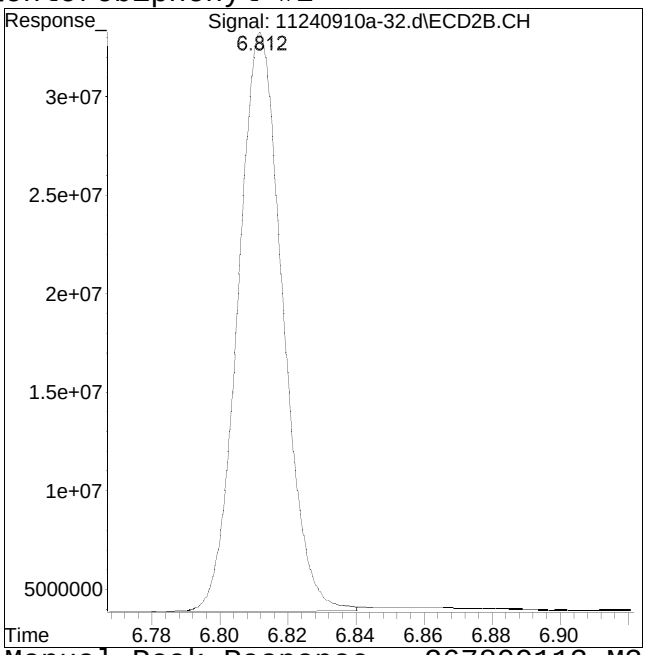
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #65: Decachlorobiphenyl #2



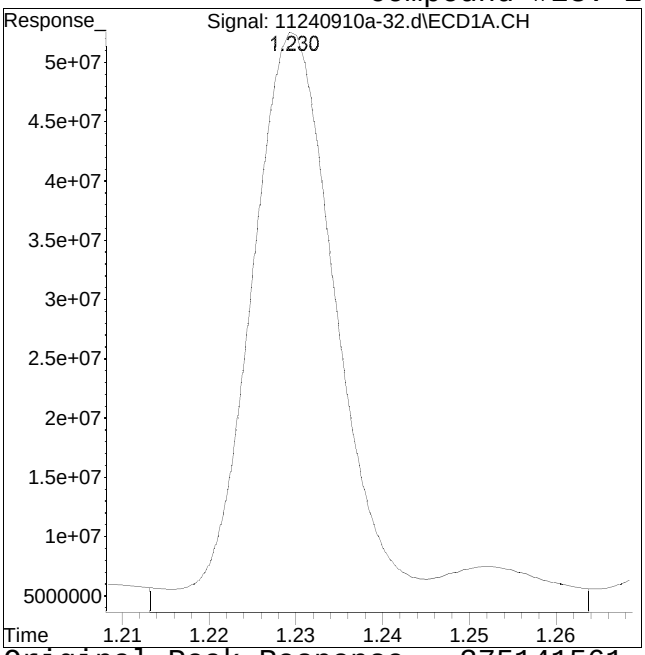


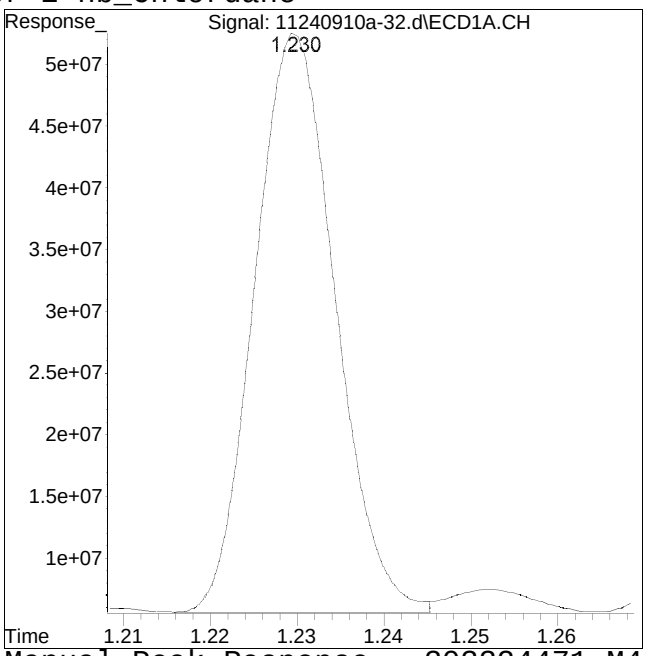
Original Peak Response = 276629513 Manual Peak Response = 267809113 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #28: 1-br-2-nb_Chlordane



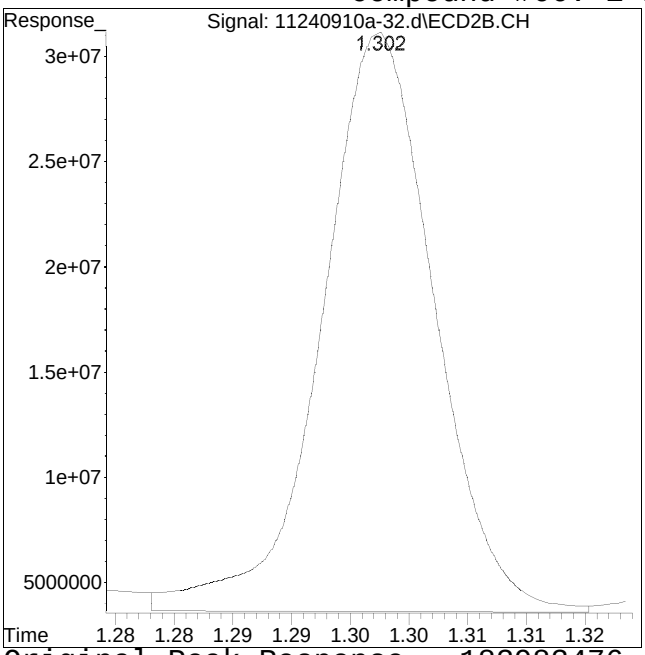


Original Peak Response = 375141561 Manual Peak Response = 303324471 M4
M4 = Poor automated baseline construction.

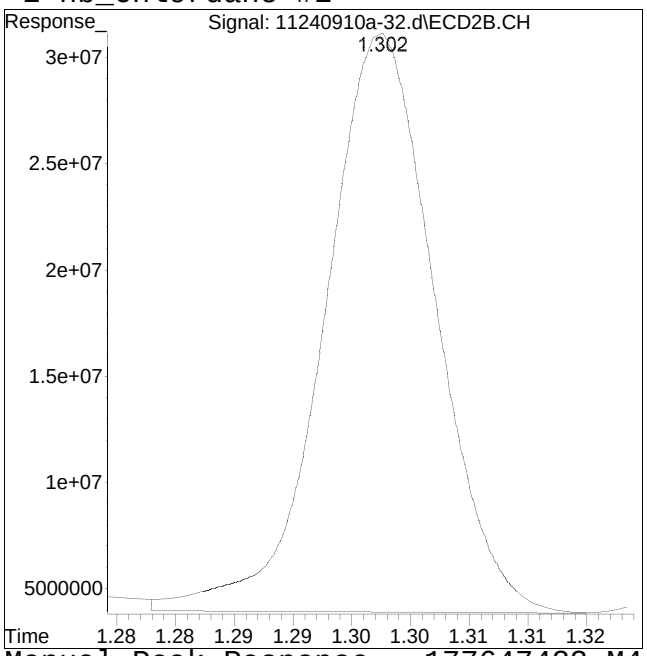
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 183983476



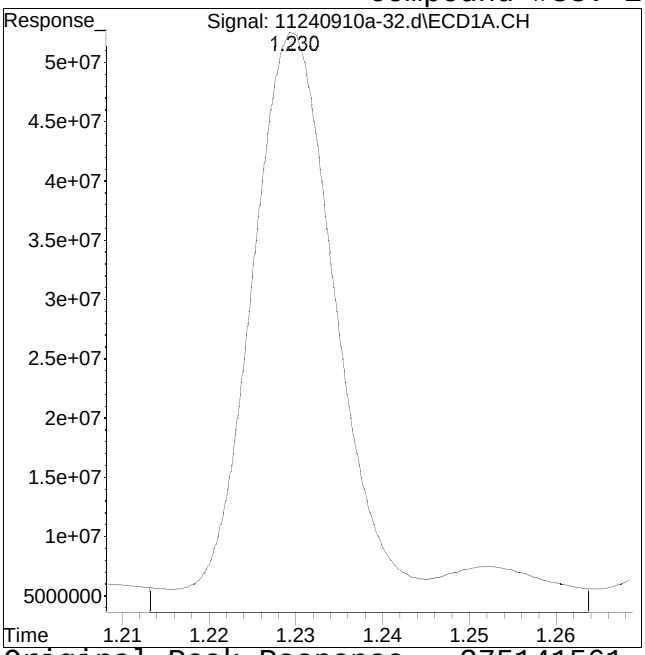
Manual Peak Response = 177647422 M4

M4 = Poor automated baseline construction.

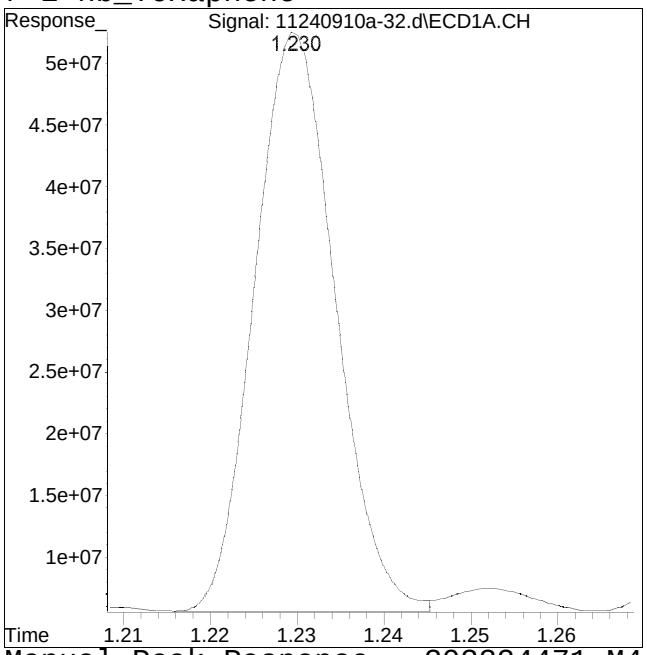
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 375141561



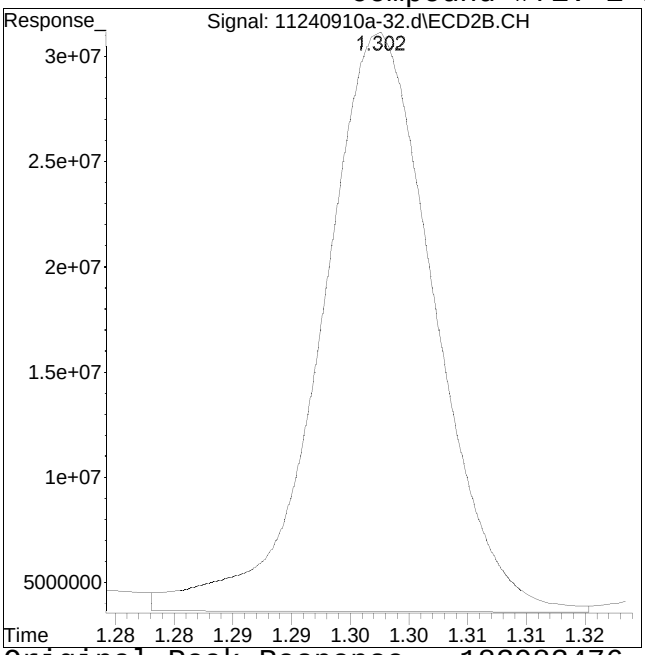
Manual Peak Response = 303324471 M4

M4 = Poor automated baseline construction.

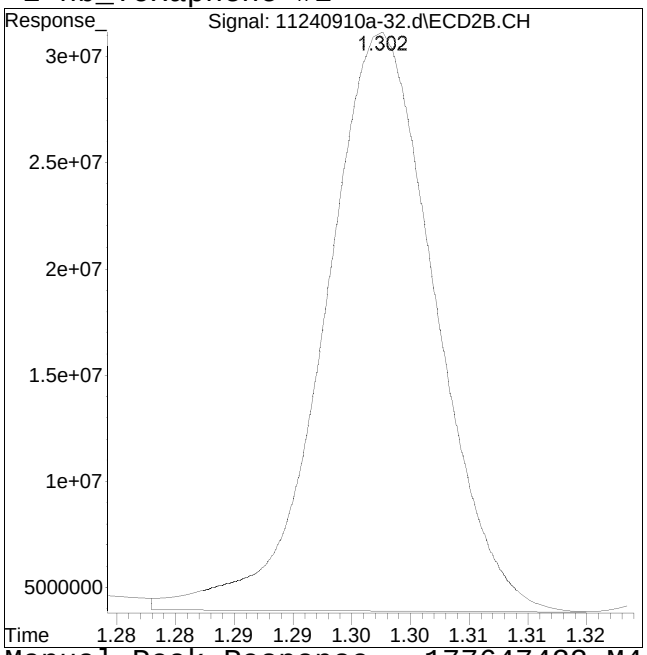
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-32.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 15:06 Instrument : Pest 11
Sample : L2450786-12,42,, Quant Date : 9/10/2024 3:45 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 183983476



Manual Peak Response = 177647422 M4

M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d

7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.070	1.052	1.075	1.017	1.028	1.042	1.068	1.019	0.980	1.039	3.00
3)	t	Hexachlorobenzene		1.537	1.511	1.518	1.421	1.398	1.344	1.370	1.302	1.253	1.406	7.13
4)	t	alpha-BHC		1.293	1.326	1.375	1.322	1.428	1.579	1.657	1.604	1.561	1.461	9.59
5)	t	gamma-BHC (li	1.464	1.305	1.312	1.356	1.278	1.355	1.457	1.524	1.473	1.430	1.395	6.06
6)	t	beta-BHC		0.665	0.662	0.666	0.624	0.626	0.607	0.622	0.597	0.580	0.628	4.95
7)	t	delta-BHC		1.249	1.257	1.303	1.246	1.337	1.470	1.546	1.502	1.457	1.374	8.70
8)	t	Heptachlor		1.313	1.322	1.357	1.281	1.318	1.358	1.400	1.323	1.217	1.321	3.91
9)	t	Aldrin		1.175	1.189	1.221	1.154	1.205	1.287	1.348	1.300	1.220	1.233	5.24
10)	t	Alachlor			0.247	0.248	0.233	0.238	0.226	0.221	0.199		0.230	7.42
11)	t	Chlorpyrifos			0.674	0.682	0.634	0.615	0.538	0.520	0.466		0.590	14.01
12)	t	Heptachlor Epoxide		1.181	1.208	1.238	1.159	1.186	1.202	1.236	1.175	1.082	1.185	3.96
13)	t	gamma-Chlordane (trans)		1.079	1.070	1.097	1.026	1.044	1.078	1.133	1.110	1.057	1.077	3.07
14)	t	alpha-Chlordane (cis)		1.192	1.207	1.248	1.181	1.200	1.223	1.275	1.242	1.178	1.216	2.74
15)	t	4,4'-DDE		1.107	1.137	1.186	1.119	1.167	1.226	1.298	1.275	1.207	1.192	5.61
16)	t	Endosulfan I		1.109	1.123	1.156	1.085	1.112	1.130	1.172	1.121	1.038	1.116	3.49
17)	t	Dieldrin		1.070	1.103	1.138	1.067	1.113	1.174	1.234	1.196	1.123	1.135	4.98
18)	t	Endrin		1.098	1.132	1.175	1.100	1.144	1.192	1.239	1.188	1.107	1.153	4.25
19)	t	4,4'-DDD		0.857	0.879	0.918	0.859	0.900	0.956	1.015	1.002	0.960	0.927	6.36
20)	t	Endosulfan II		1.034	1.062	1.094	1.026	1.054	1.071	1.111	1.052	0.964	1.052	4.03
21)	t	4,4'-DDT		0.969	1.034	1.071	0.998	1.036	1.083	1.139	1.124	1.071	1.058	5.22
22)	t	Endrin Aldehyde		0.906	0.889	0.917	0.869	0.878	0.877	0.913	0.888	0.841	0.886	2.70
23)	t	Methoxychlor		0.656	0.635	0.675	0.610	0.607	0.565	0.567	0.527	0.485	0.592	10.43
24)	t	Mirex			1.027	1.066	0.980	0.964	0.880	0.899	0.864	0.822	0.938	9.06
25)	t	Endosulfan Sulfate		1.084	1.035	1.065	0.986	1.001	0.988	1.026	0.981	0.922	1.010	4.83
26)	t	Endrin Ketone		1.166	1.200	1.247	1.167	1.200	1.196	1.227	1.160	1.085	1.183	3.94
27)	s	Decachlorobiphenyl		1.355	1.316	1.321	1.208	1.146	1.036	1.055	1.020	1.010	1.163	12.13
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.038	0.036	0.037	0.037	0.038	0.037	0.036		*L	0.999
3)														
30)	l1	chlordane-3			0.049	0.052	0.049	0.046	0.045	0.044	0.040		*L	0.997
4)														
31)	l1	chlordane-4			0.164	0.158	0.156	0.160	0.165	0.162	0.151		*L	0.998
6)														
32)	l1	chlordane-5			0.243	0.244	0.245	0.250	0.255	0.249	0.230		*L	0.998
2)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d

7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33) i	1-br-2-nb_Toxaphene	----------ISTD----------											
34) l2	toxaphene-2			0.038	0.046		0.055	0.055	0.056			*L	0.999
8)													
35) l2	toxaphene-3			0.032	0.035		0.042	0.043	0.044			*L	0.999
5)													
36) l2	toxaphene-4			0.041	0.040		0.042	0.043	0.045			*L	0.999
2)													
37) l2	toxaphene-5			0.053	0.041		0.039	0.039	0.040			*L	0.999
9)													

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Signal #2 Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra			1.206	1.206	1.141	1.107	1.082	1.085	1.067	1.091	1.038	1.114	5.33
3)	t	Hexachloroben			1.451	1.390	1.323	1.249	1.197	1.146	1.145	1.144	1.106	1.239	9.92
4)	t	alpha-BHC			1.558	1.563	1.526	1.479	1.547	1.686	1.736	1.764	1.719	1.620	6.53
5)	t	gamma-BHC (li		1.777	1.551	1.516	1.480	1.413	1.442	1.525	1.563	1.584	1.540	1.539	6.46
6)	t	beta-BHC			0.854	0.824	0.779	0.737	0.692	0.642	0.639	0.637	0.614	*L	0.999
6)															
7)	t	delta-BHC			1.529	1.507	1.460	1.411	1.443	1.548	1.598	1.627	1.582	1.523	4.86
8)	t	Heptachlor			1.786	1.721	1.657	1.575	1.545	1.553	1.565	1.548	1.427	1.598	6.72
9)	t	Aldrin			1.511	1.468	1.436	1.367	1.367	1.434	1.469	1.478	1.382	1.435	3.65
10)	t	Alachlor			0.293	0.281	0.264	0.241	0.197	0.183	0.172		*L	0.996	
7)															
11)	t	Chlorpyrifos			1.095	1.043	0.969	0.877	0.736	0.700	0.666		*L	0.998	
3)															
12)	t	Heptachlor Ep		1.616	1.577	1.520	1.425	1.372	1.353	1.362	1.352	1.252	1.425	8.44	
13)	t	gamma-Chlorda		1.483	1.457	1.376	1.298	1.234	1.224	1.252	1.275	1.205	1.312	7.85	
14)	t	alpha-Chlorda		1.641	1.577	1.521	1.435	1.382	1.359	1.381	1.400	1.318	1.446	7.54	
15)	t	4,4'-DDE		1.377	1.359	1.330	1.263	1.272	1.348	1.390	1.418	1.327	1.343	3.82	
16)	t	Endosulfan I		1.515	1.476	1.419	1.334	1.284	1.260	1.269	1.263	1.167	1.332	8.59	
17)	t	Dieldrin		1.415	1.389	1.352	1.281	1.267	1.305	1.334	1.344	1.257	1.327	4.11	
18)	t	Endrin		1.442	1.411	1.375	1.305	1.290	1.326	1.350	1.356	1.265	1.347	4.25	
19)	t	4,4'-DDD		1.118	1.104	1.084	1.022	1.026	1.071	1.106	1.134	1.088	1.084	3.57	
20)	t	Endosulfan II		1.364	1.341	1.298	1.220	1.180	1.154	1.164	1.150	1.053	1.214	8.39	
21)	t	4,4'-DDT		1.293	1.294	1.271	1.196	1.196	1.227	1.262	1.290	1.222	1.250	3.26	
22)	t	Endrin Aldehyde		1.156	1.131	1.093	1.025	0.982	0.941	0.951	0.957	0.906	*L	0.999	
3)															
23)	t	Methoxychlor		0.848	0.816	0.797	0.739	0.695	0.630	0.620	0.614	0.581	0.704	14.13	
24)	t	Mirex			1.298	1.250	1.156	1.061	0.921	0.910	0.914	0.867	*L	0.999	
3)															
25)	t	Endosulfan Su		1.382	1.336	1.302	1.218	1.159	1.107	1.116	1.118	1.054	1.199	9.68	
26)	t	Endrin Ketone		1.378	1.372	1.340	1.264	1.245	1.205	1.207	1.200	1.136	1.261	6.75	
27)	s	Decachlorobip		1.252	1.219	1.185	1.105	1.040	0.936	0.932	0.943	0.929	1.060	12.61	
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.054	0.052	0.044	0.039	0.040	0.040	0.035		*L	0.996	
3)															
30)	l1	chlordane-3			0.070	0.064	0.055	0.047	0.046	0.044	0.037		*L	0.991	

Initial Calibration Summary
Form 6
Pesticides

Client	**: P. W. Grosser**	**Lab Number**	**: L2450786**
Project Name	**: ROANOKE SAND + GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL21365**
Calibration dates	**: 08/01/24 18:37 08/01/24 23:11**		

Signal #2 Calibration Files

1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg		%RSD
2)															
31)	l1	chlordane-4			0.208	0.191	0.166	0.163	0.167	0.169	0.147			*L	0.995
9)															
32)	l1	chlordane-5			0.162	0.149	0.130	0.126	0.128	0.129	0.113			*L	0.996
1)															
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------												
34)	l2	toxaphene-2			0.028	0.028		0.023	0.023	0.024				*L	0.999
7)															
35)	l2	toxaphene-3			0.042	0.040		0.035	0.035	0.035				*L	0.999
8)															
36)	l2	toxaphene-4			0.049	0.047		0.041	0.041	0.042				*L	0.999
7)															
37)	l2	toxaphene-5			0.050	0.045		0.038	0.038	0.039				*L	0.999
7)															

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.070	1.052	1.075	1.017	1.028	1.042	1.068	1.019	0.980	1.039	3.00
3)	t	Hexachloroben...		1.537	1.511	1.518	1.421	1.398	1.344	1.370	1.302	1.253	1.406	7.13
4)	t	alpha-BHC		1.293	1.326	1.375	1.322	1.428	1.579	1.657	1.604	1.561	1.461	9.59
5)	t	gamma-BHC (li...	1.464	1.305	1.312	1.356	1.278	1.355	1.457	1.524	1.473	1.430	1.395	6.06
6)	t	beta-BHC		0.665	0.662	0.666	0.624	0.626	0.607	0.622	0.597	0.580	0.628	4.95
7)	t	delta-BHC		1.249	1.257	1.303	1.246	1.337	1.470	1.546	1.502	1.457	1.374	8.70
8)	t	Heptachlor		1.313	1.322	1.357	1.281	1.318	1.358	1.400	1.323	1.217	1.321	3.91
9)	t	Aldrin		1.175	1.189	1.221	1.154	1.205	1.287	1.348	1.300	1.220	1.233	5.24
10)	t	Alachlor			0.247	0.248	0.233	0.238	0.226	0.221	0.199		0.230	7.42
11)	t	Chlorpyrifos			0.674	0.682	0.634	0.615	0.538	0.520	0.466		0.590	14.01
12)	t	Heptachlor Ep...		1.181	1.208	1.238	1.159	1.186	1.202	1.236	1.175	1.082	1.185	3.96
13)	t	gamma-Chlorda...		1.079	1.070	1.097	1.026	1.044	1.078	1.133	1.110	1.057	1.077	3.07
14)	t	alpha-Chlorda...		1.192	1.207	1.248	1.181	1.200	1.223	1.275	1.242	1.178	1.216	2.74
15)	t	4,4'-DDE		1.107	1.137	1.186	1.119	1.167	1.226	1.298	1.275	1.207	1.192	5.61
16)	t	Endosulfan I		1.109	1.123	1.156	1.085	1.112	1.130	1.172	1.121	1.038	1.116	3.49

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
17)	t	Dieldrin		1.070	1.103	1.138	1.067	1.113	1.174	1.234	1.196	1.123	1.135	4.98
18)	t	Endrin		1.098	1.132	1.175	1.100	1.144	1.192	1.239	1.188	1.107	1.153	4.25
19)	t	4,4'-DDD		0.857	0.879	0.918	0.859	0.900	0.956	1.015	1.002	0.960	0.927	6.36
20)	t	Endosulfan II		1.034	1.062	1.094	1.026	1.054	1.071	1.111	1.052	0.964	1.052	4.03
21)	t	4,4'-DDT		0.969	1.034	1.071	0.998	1.036	1.083	1.139	1.124	1.071	1.058	5.22
22)	t	Endrin Aldehyde		0.906	0.889	0.917	0.869	0.878	0.877	0.913	0.888	0.841	0.886	2.70
23)	t	Methoxychlor		0.656	0.635	0.675	0.610	0.607	0.565	0.567	0.527	0.485	0.592	10.43
24)	t	Mirex			1.027	1.066	0.980	0.964	0.880	0.899	0.864	0.822	0.938	9.06
25)	t	Endosulfan Su...		1.084	1.035	1.065	0.986	1.001	0.988	1.026	0.981	0.922	1.010	4.83
26)	t	Endrin Ketone		1.166	1.200	1.247	1.167	1.200	1.196	1.227	1.160	1.085	1.183	3.94
27)	s	Decachlorobip...		1.355	1.316	1.321	1.208	1.146	1.036	1.055	1.020	1.010	1.163	12.13
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1			0.038	0.036	0.037	0.037	0.038	0.037	0.036		*L	0.999
3														
30)	l1	chlordane-3			0.049	0.052	0.049	0.046	0.045	0.044	0.040		*L	0.997
4														
31)	l1	chlordane-4			0.164	0.158	0.156	0.160	0.165	0.162	0.151		*L	0.998
6														
32)	l1	chlordane-5			0.243	0.244	0.245	0.250	0.255	0.249	0.230		*L	0.998
2														

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2			0.038	0.046		0.055	0.055	0.056			*L	0.9998
35)	l2	toxaphene-3			0.032	0.035		0.042	0.043	0.044			*L	0.9995
36)	l2	toxaphene-4			0.041	0.040		0.042	0.043	0.045			*L	0.9992
37)	l2	toxaphene-5			0.053	0.041		0.039	0.039	0.040			*L	0.9999

Signal #2 Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...			1.206	1.206	1.141	1.107	1.082	1.085	1.067	1.091	1.038	1.114	5.33
3)	t	Hexachloroben...			1.451	1.390	1.323	1.249	1.197	1.146	1.145	1.144	1.106	1.239	9.92
4)	t	alpha-BHC			1.558	1.563	1.526	1.479	1.547	1.686	1.736	1.764	1.719	1.620	6.53
5)	t	gamma-BHC (li...		1.777	1.551	1.516	1.480	1.413	1.442	1.525	1.563	1.584	1.540	1.539	6.46
6)	t	beta-BHC			0.854	0.824	0.779	0.737	0.692	0.642	0.639	0.637	0.614	*L	0.9996
7)	t	delta-BHC			1.529	1.507	1.460	1.411	1.443	1.548	1.598	1.627	1.582	1.523	4.86
8)	t	Heptachlor			1.786	1.721	1.657	1.575	1.545	1.553	1.565	1.548	1.427	1.598	6.72
9)	t	Aldrin			1.511	1.468	1.436	1.367	1.367	1.434	1.469	1.478	1.382	1.435	3.65

Response Factor Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

	Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
10) t	Alachlor			0.293	0.281	0.264	0.241	0.197	0.183	0.172		*L	0.996
7													
11) t	Chlorpyrifos			1.095	1.043	0.969	0.877	0.736	0.700	0.666		*L	0.998
3													
12) t	Heptachlor Ep...		1.616	1.577	1.520	1.425	1.372	1.353	1.362	1.352	1.252	1.425	8.44
13) t	gamma-Chlorda...		1.483	1.457	1.376	1.298	1.234	1.224	1.252	1.275	1.205	1.312	7.85
14) t	alpha-Chlorda...		1.641	1.577	1.521	1.435	1.382	1.359	1.381	1.400	1.318	1.446	7.54
15) t	4,4'-DDE		1.377	1.359	1.330	1.263	1.272	1.348	1.390	1.418	1.327	1.343	3.82
16) t	Endosulfan I		1.515	1.476	1.419	1.334	1.284	1.260	1.269	1.263	1.167	1.332	8.59
17) t	Dieldrin		1.415	1.389	1.352	1.281	1.267	1.305	1.334	1.344	1.257	1.327	4.11
18) t	Endrin		1.442	1.411	1.375	1.305	1.290	1.326	1.350	1.356	1.265	1.347	4.25
19) t	4,4'-DDD		1.118	1.104	1.084	1.022	1.026	1.071	1.106	1.134	1.088	1.084	3.57
20) t	Endosulfan II		1.364	1.341	1.298	1.220	1.180	1.154	1.164	1.150	1.053	1.214	8.39
21) t	4,4'-DDT		1.293	1.294	1.271	1.196	1.196	1.227	1.262	1.290	1.222	1.250	3.26
22) t	Endrin Aldehyde		1.156	1.131	1.093	1.025	0.982	0.941	0.951	0.957	0.906	*L	0.999
3													
23) t	Methoxychlor		0.848	0.816	0.797	0.739	0.695	0.630	0.620	0.614	0.581	0.704	14.13
24) t	Mirex			1.298	1.250	1.156	1.061	0.921	0.910	0.914	0.867	*L	0.999
3													
25) t	Endosulfan Su...		1.382	1.336	1.302	1.218	1.159	1.107	1.116	1.118	1.054	1.199	9.68

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024
Response Via : Initial Calibration

Calibration Files
1 =11240801i-03.d 2 =11240801i-04.d 3 =11240801i-22.d 4 =11240801i-23.d 5 =11240801i-16.d
7 =11240801i-24.d 8 =11240801i-25.d 9 =11240801i-26.d 10 =11240801i-20.d 11 =11240801i-12.d

		Compound	1	2	3	4	5	7	8	9	10	11	Avg	%RSD
26)	t	Endrin Ketone	1.378	1.372	1.340	1.264	1.245	1.205	1.207	1.200	1.136		1.261	6.75
27)	s	Decachlorobip...	1.252	1.219	1.185	1.105	1.040	0.936	0.932	0.943	0.929		1.060	12.61
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.054	0.052	0.044	0.039	0.040	0.040	0.035				*L	0.9963
30)	l1	chlordane-3	0.070	0.064	0.055	0.047	0.046	0.044	0.037				*L	0.9912
31)	l1	chlordane-4	0.208	0.191	0.166	0.163	0.167	0.169	0.147				*L	0.9959
32)	l1	chlordane-5	0.162	0.149	0.130	0.126	0.128	0.129	0.113				*L	0.9961
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2	0.028	0.028	0.023	0.023	0.024						*L	0.9997
35)	l2	toxaphene-3	0.042	0.040	0.035	0.035	0.035						*L	0.9998
36)	l2	toxaphene-4	0.049	0.047	0.041	0.041	0.042						*L	0.9997
37)	l2	toxaphene-5	0.050	0.045	0.038	0.038	0.039						*L	0.9997

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	226.2E6	184.7E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.659	4.472	862871	1055459	0.080M2	0.106M4
18) t	Endrin	4.211	4.925	519.0E6	456.6E6	49.762M4	45.902M3
19) t	4,4'-DDD	4.325	5.050	1951195	2046326	0.233M4	0.256M3
21) t	4,4'-DDT	4.616	5.325	974.6E6	872.9E6	101.766M4	94.533M4
22) t D	Endrin Aldeh	4.869	5.421	1022766	1047335	0.128M3	N.D. M4
26) t	Endrin Keton	5.487	6.059	4628888	4774072	0.432M4	0.513M4
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (Sig #2)
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

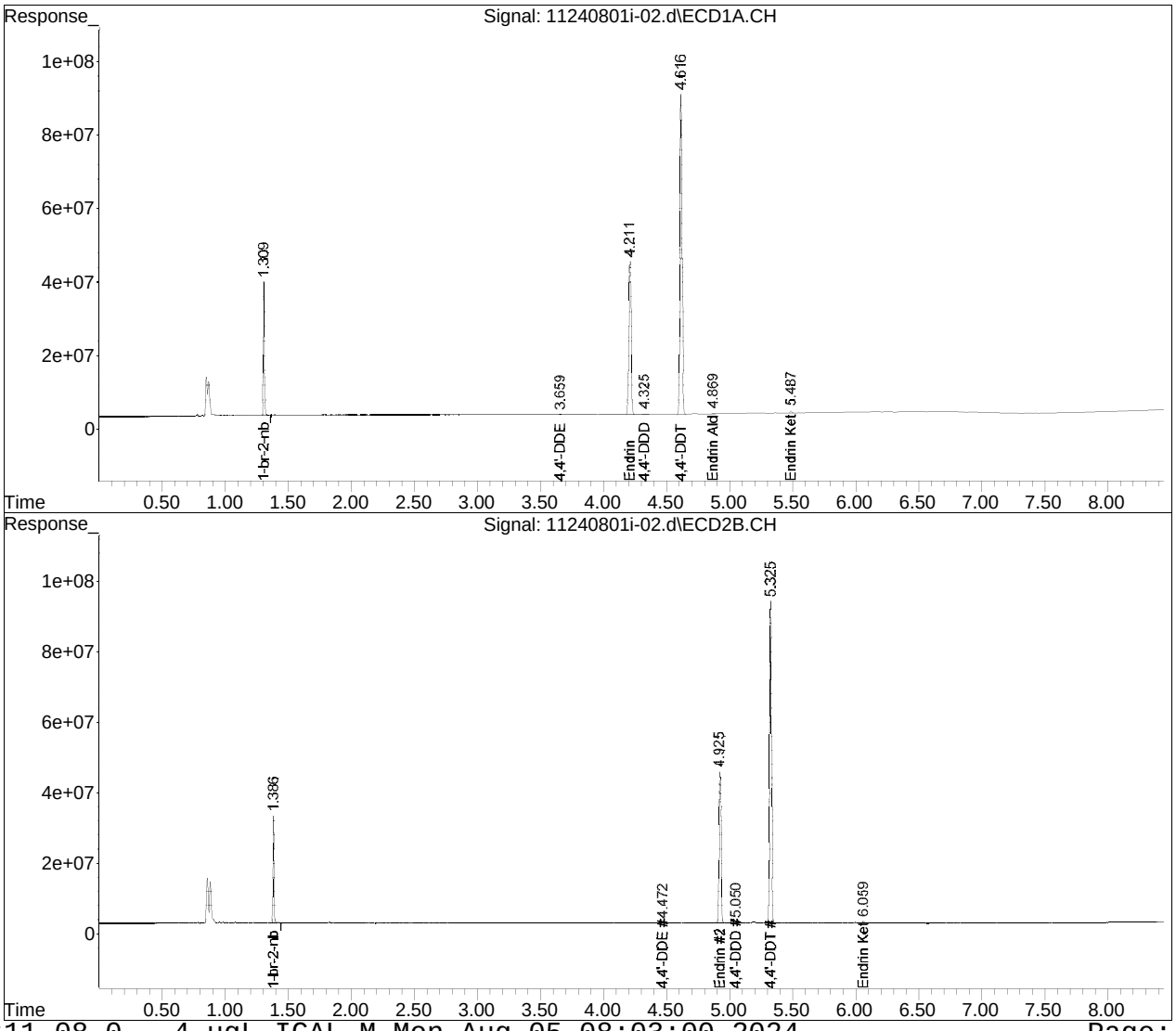
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:25
Operator : PEST11:ejl
Sample : pem11240801i-01,42e,,pp 11667 - (Sig #1); pem-01,42e,,pp 11667 - (
Misc : WG1955254,ical
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:30:39 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:15 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

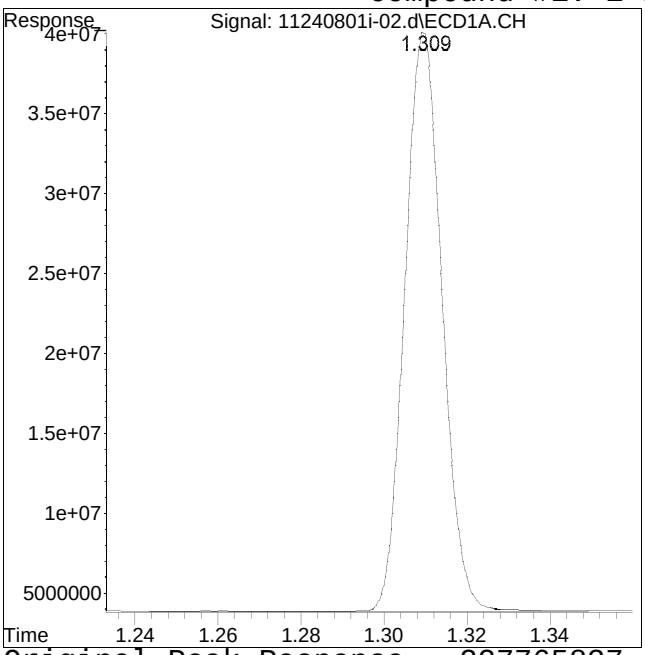


Manual Integration Report

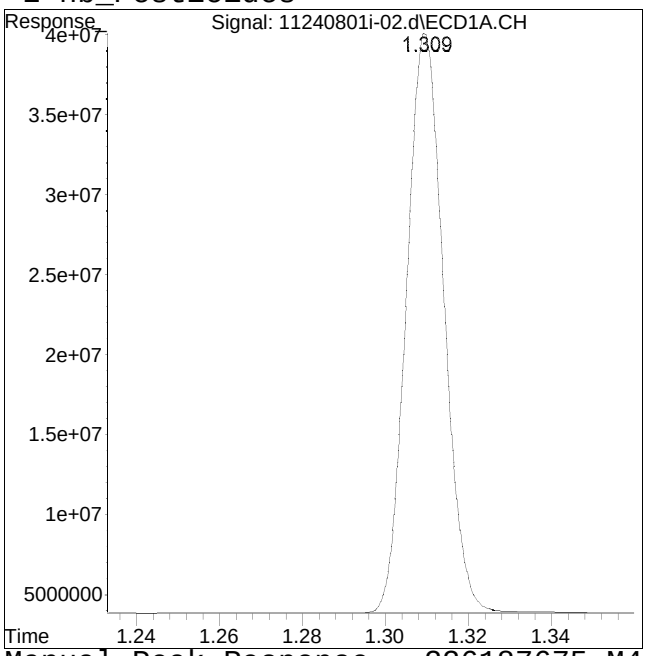
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 227765837



Manual Peak Response = 226187675 M4

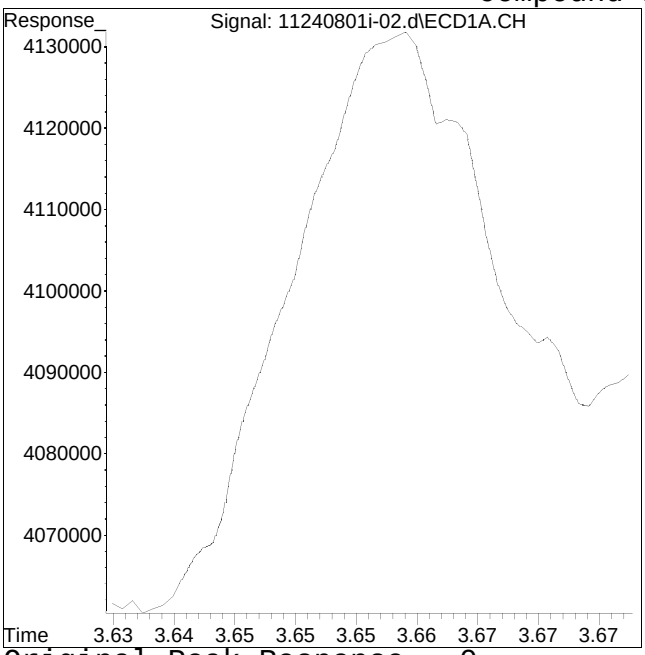
M4 = Poor automated baseline construction.

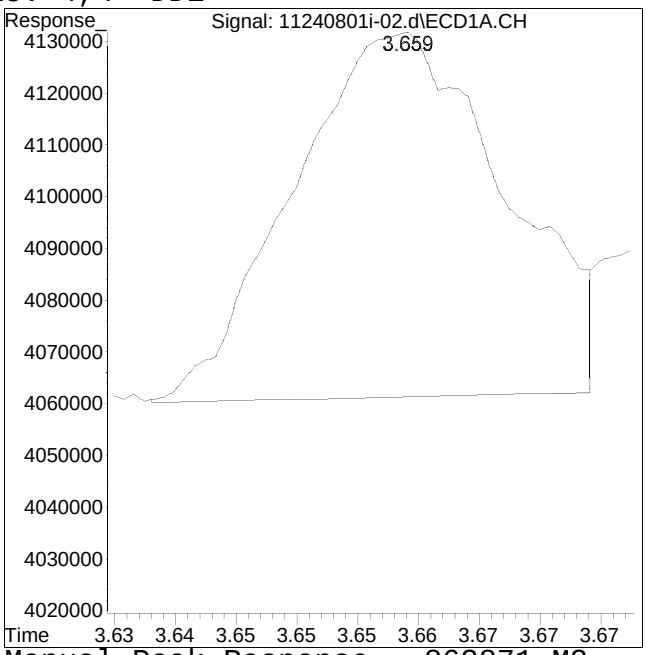
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #15: 4,4'-DDE



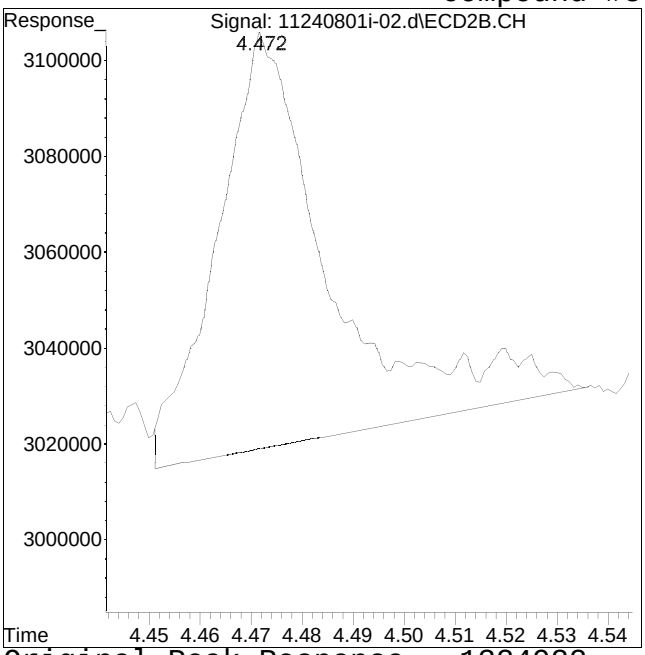


Original Peak Response = 0
Manual Peak Response = 862871 M2
M2 = Peak not found by automatic integration algorithm.

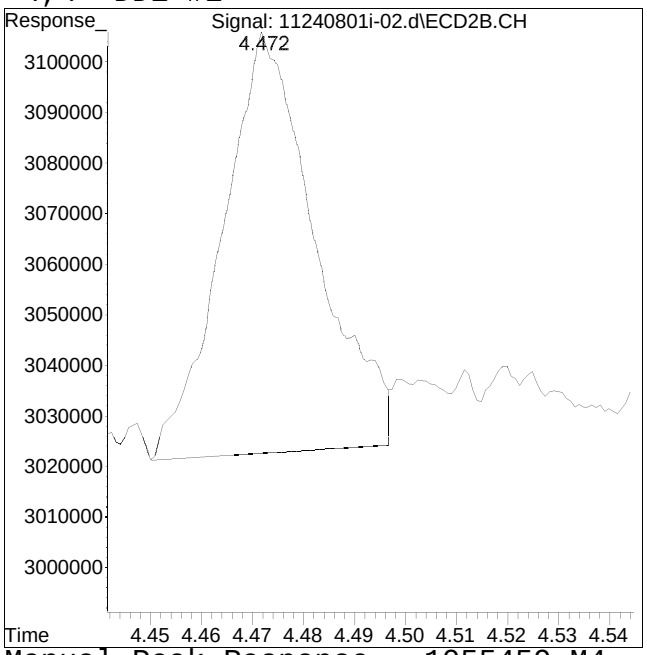
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 1324922



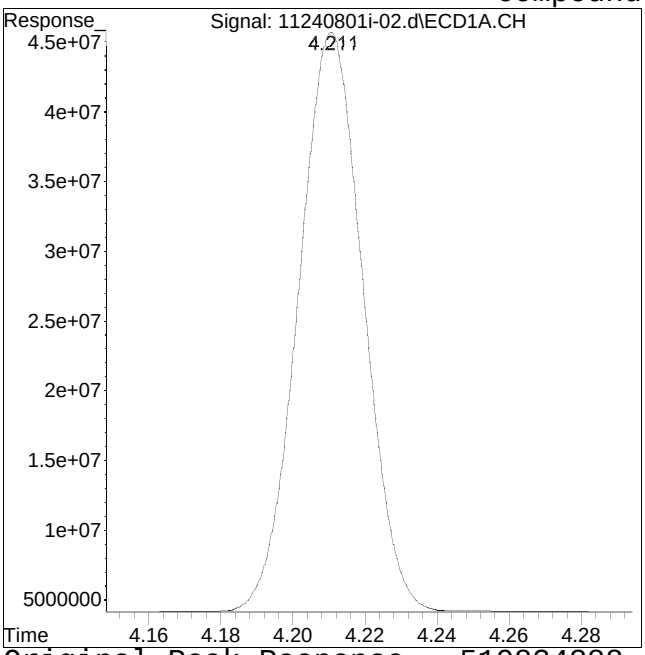
Manual Peak Response = 1055459 M4

M4 = Poor automated baseline construction.

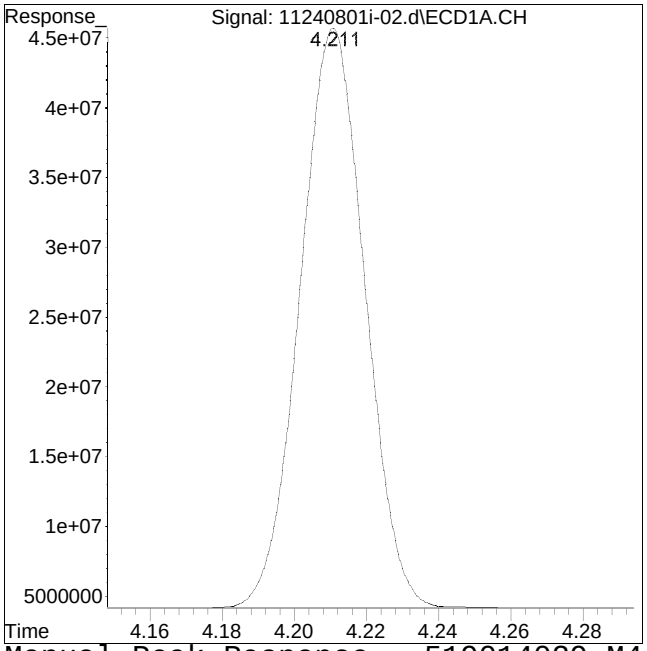
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #18: Endrin



Original Peak Response = 519834388



Manual Peak Response = 519014029 M4

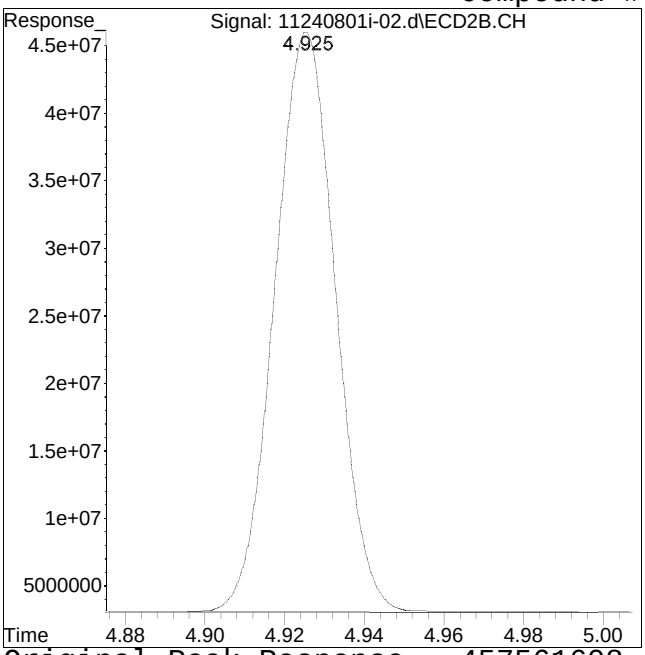
M4 = Poor automated baseline construction.

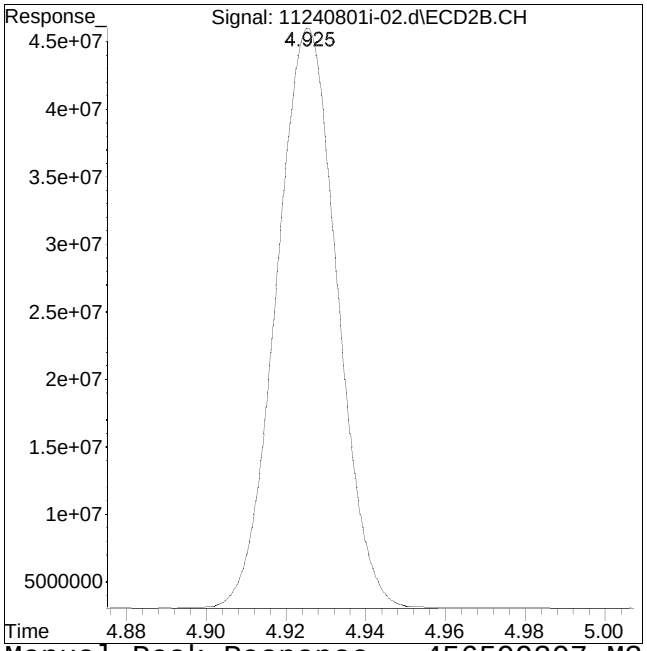
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #56: Endrin #2





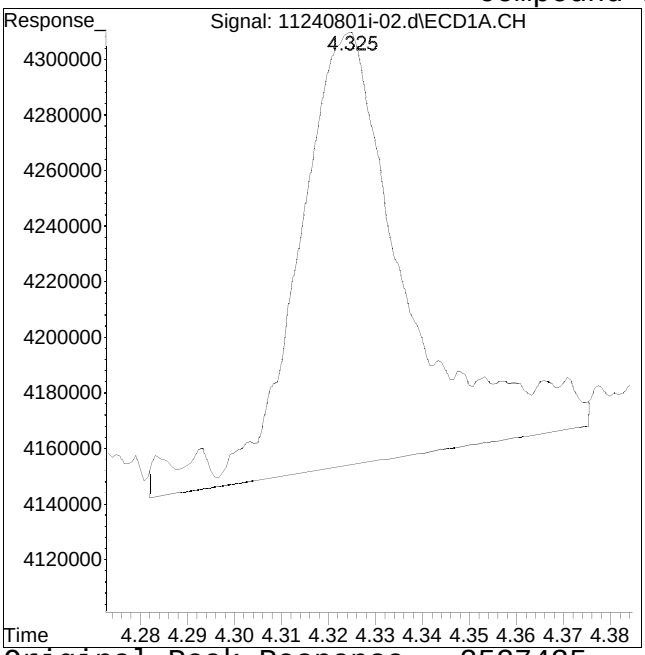
Original Peak Response = 457561608 Manual Peak Response = 456599307 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

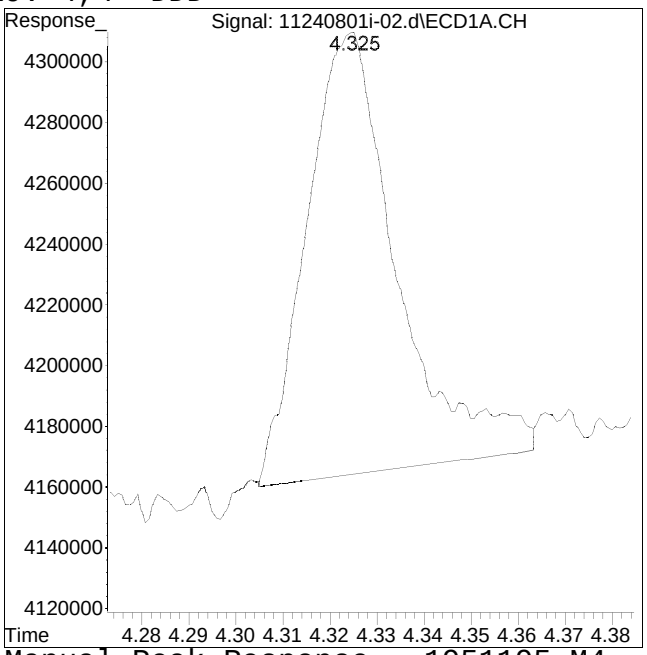
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #19: 4,4'-DDD



Original Peak Response = 2527435



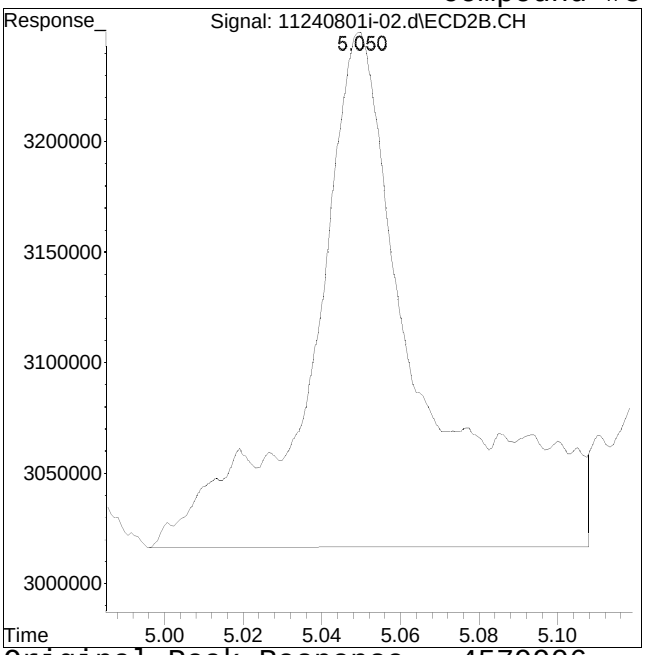
Manual Peak Response = 1951195 M4

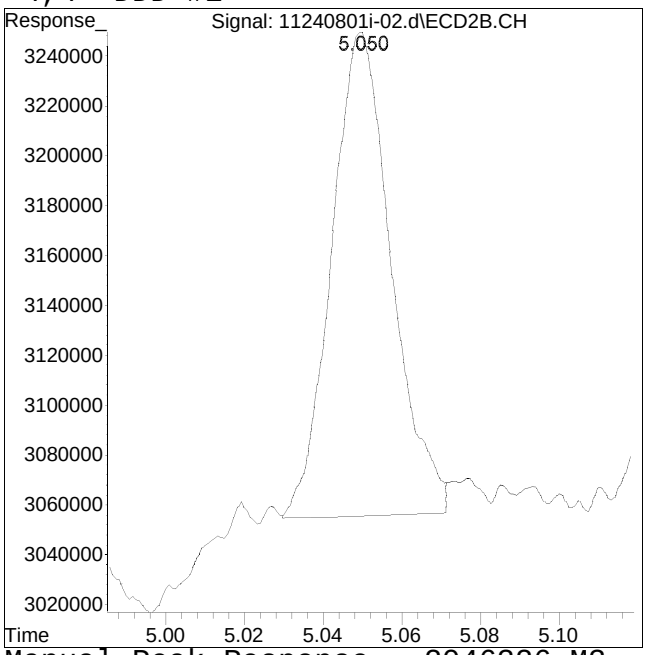
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #57: 4,4'-DDD #2



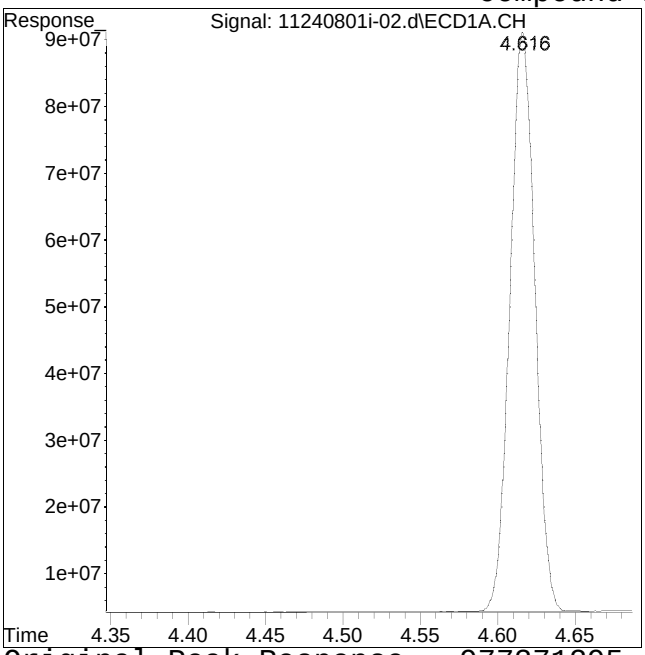


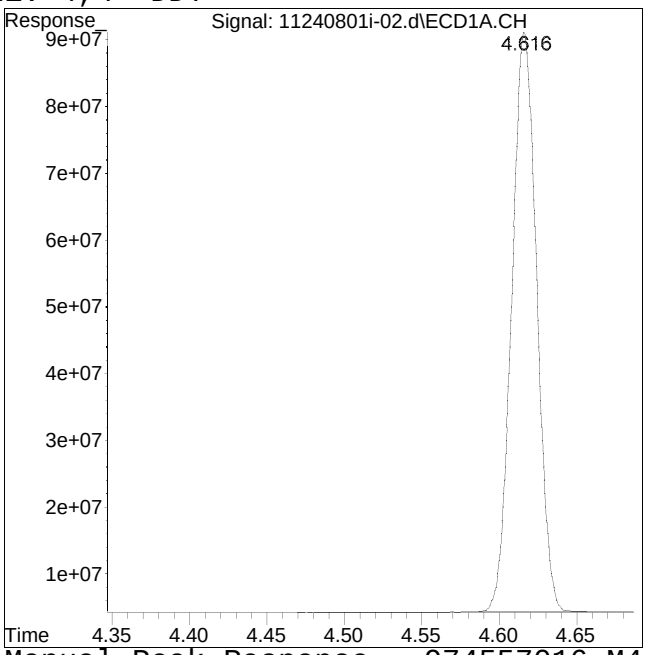
Original Peak Response = 4579906 Manual Peak Response = 2046326 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #21: 4,4'-DDT



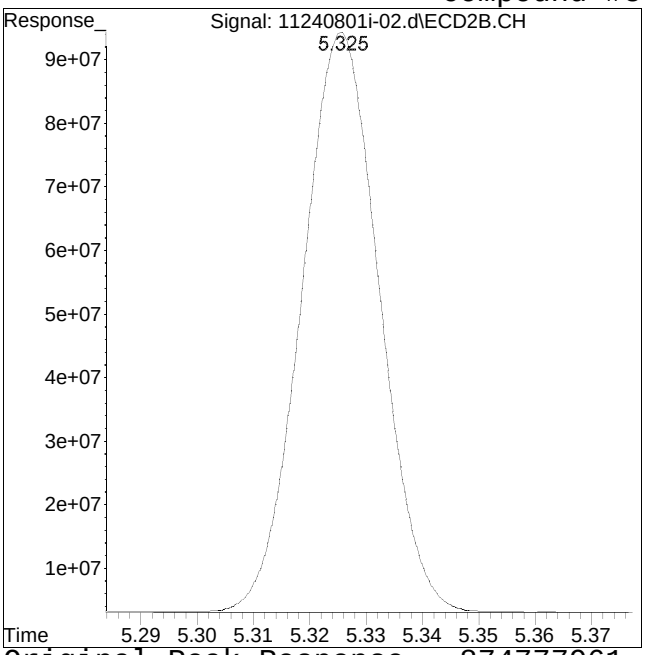


Original Peak Response = 977371295 Manual Peak Response = 974557016 M4
M4 = Poor automated baseline construction.

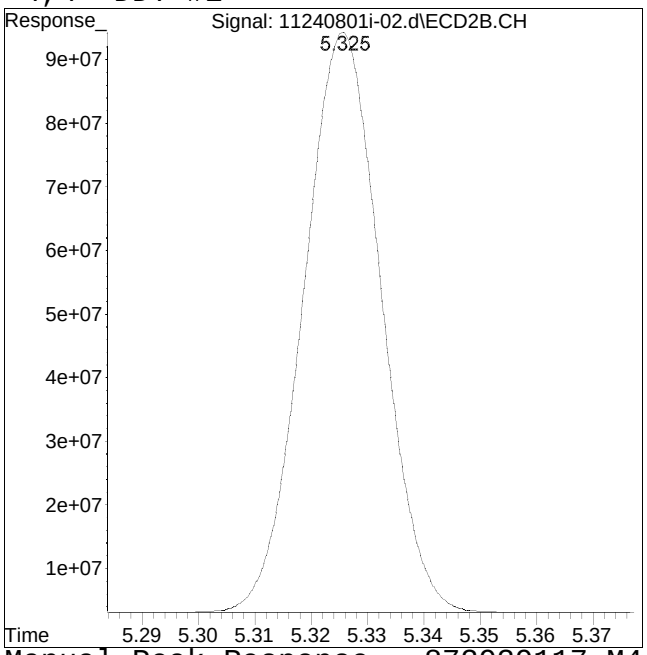
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 874777961



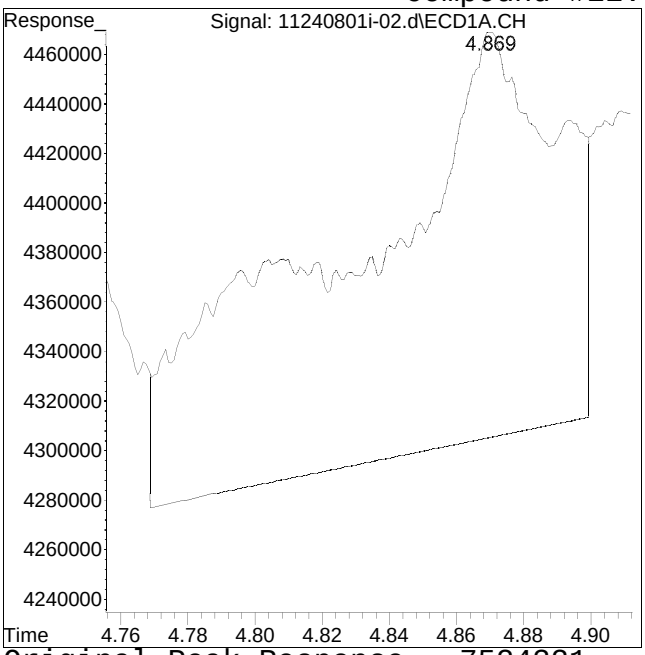
Manual Peak Response = 872939117 M4

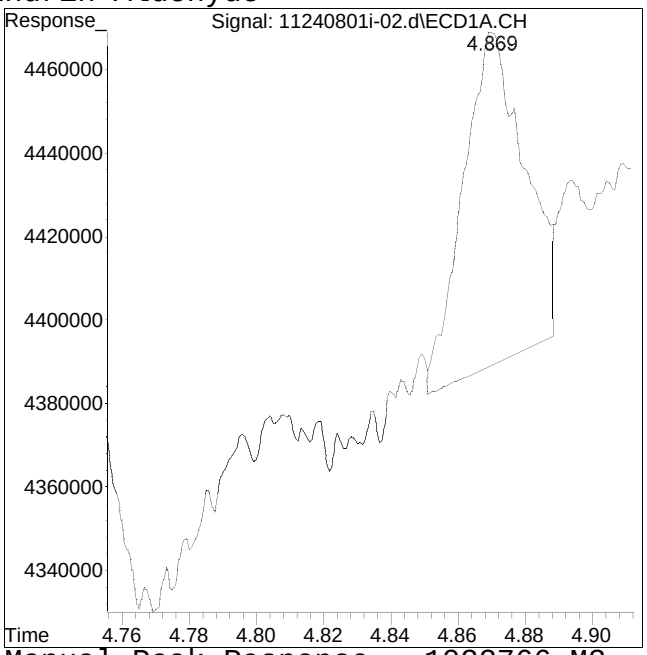
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #22: Endrin Aldehyde



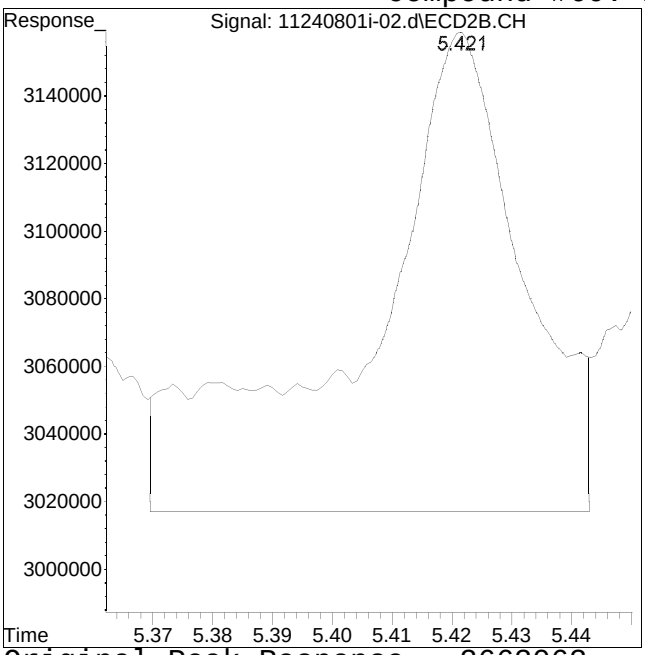


Original Peak Response = 7524321 Manual Peak Response = 1022766 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

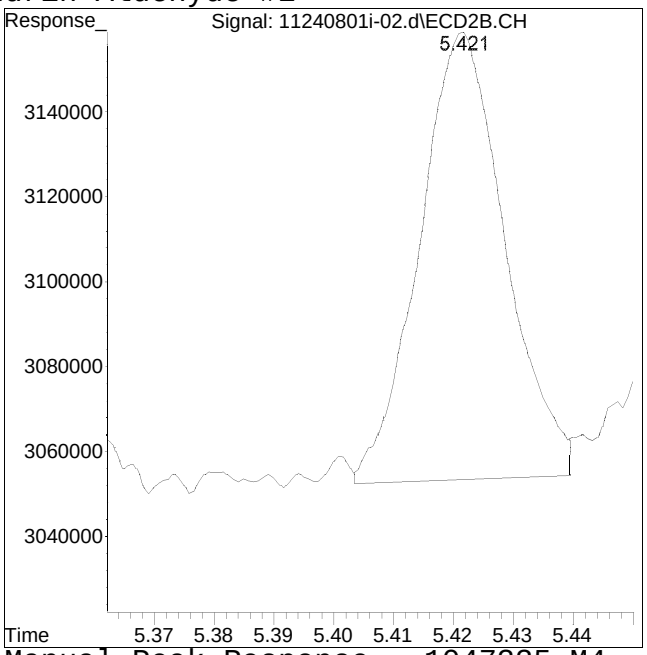
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-02.d
Date Inj'd : 8/1/2024 18:25
Sample : pem11240801i-01,42e,,pp 11
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:30 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 2663063



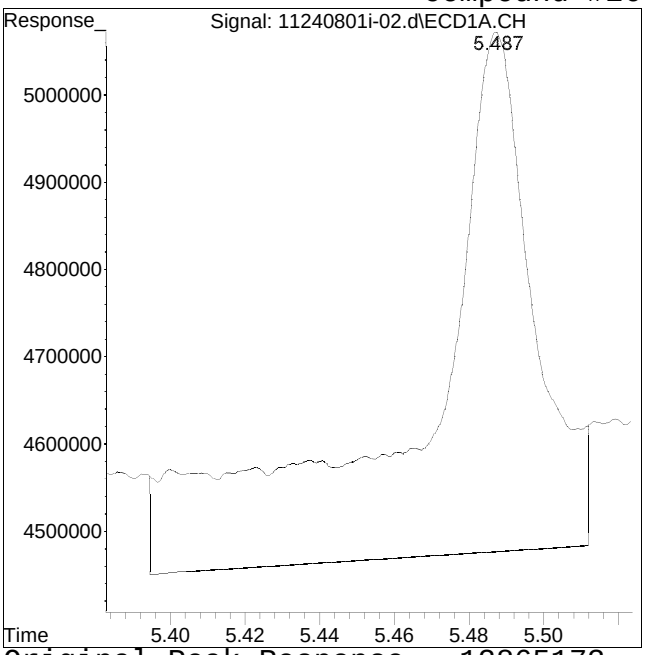
Manual Peak Response = 1047335 M4

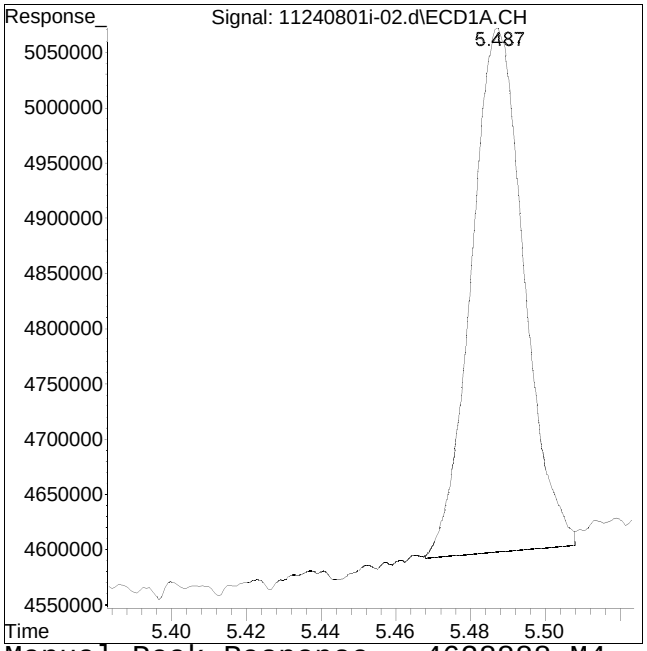
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #26: Endrin Ketone



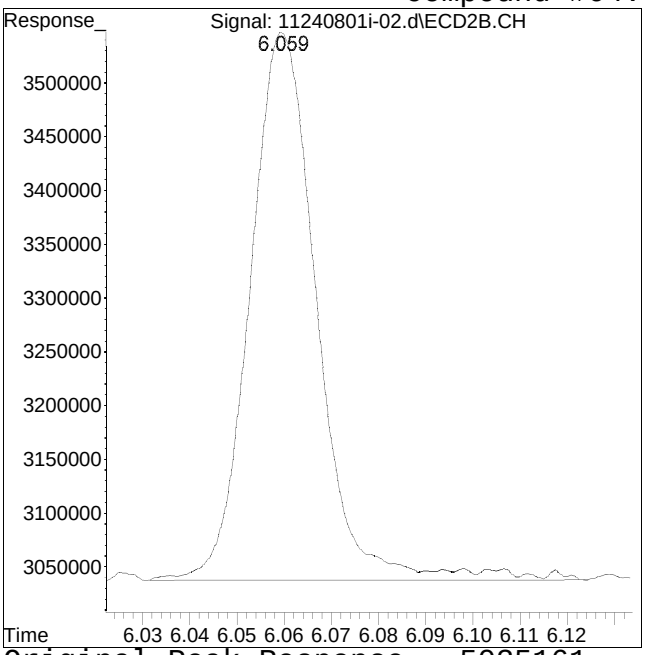


Original Peak Response = 12865173 Manual Peak Response = 4628888 M4
M4 = Poor automated baseline construction.

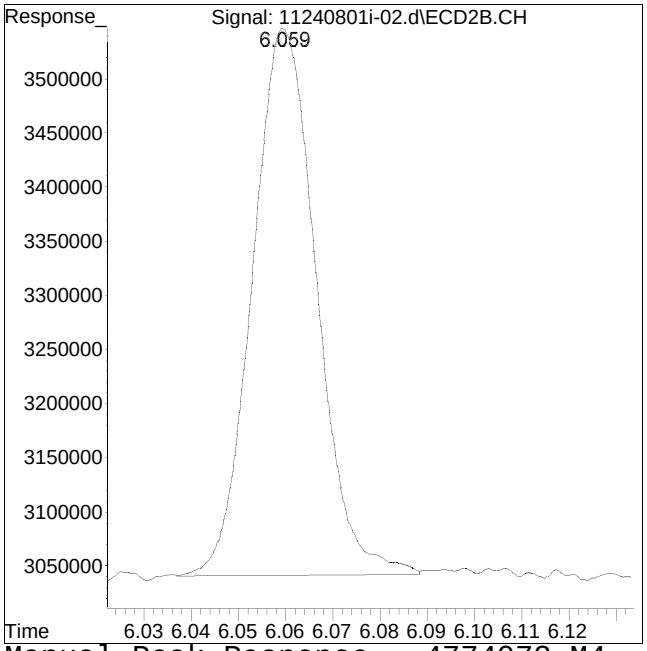
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-02.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:25 Instrument : Pest 11
Sample : pem11240801i-01,42e,,pp 11Quant Date : 8/2/2024 12:30 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 5035161



Manual Peak Response = 4774072 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	220.8E6	175.5E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	2.165	2.556	6465041	6237465	0.527M4	0.587M4
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

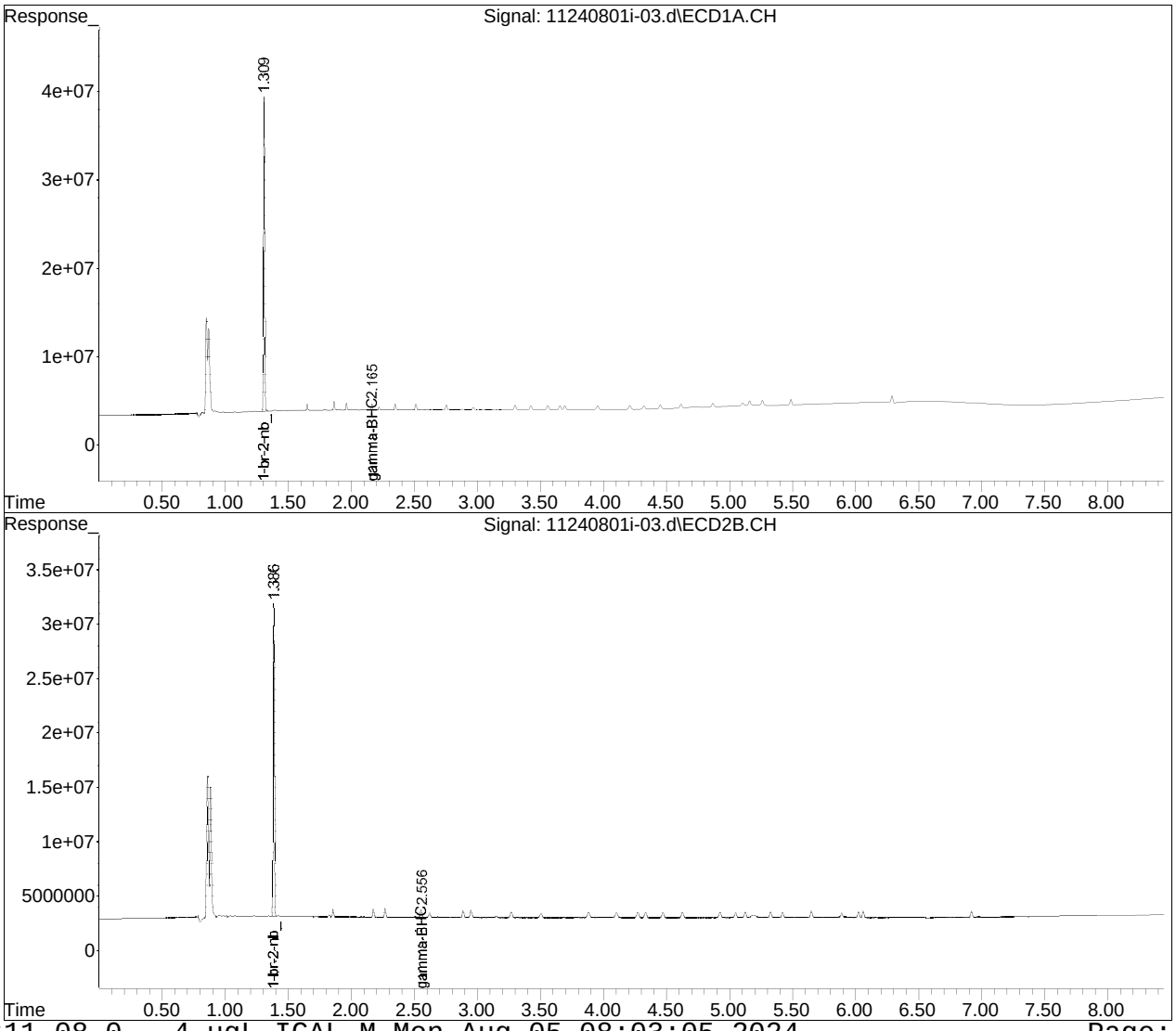
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:37
Operator : PEST11:ejl
Sample : il1pest,42e,,pp 11687 L0.0005
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:37:46 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:37:32 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

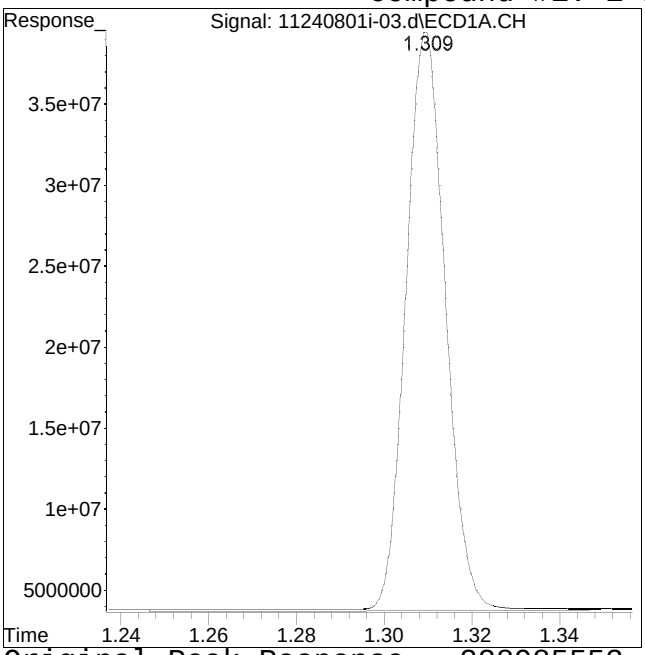
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



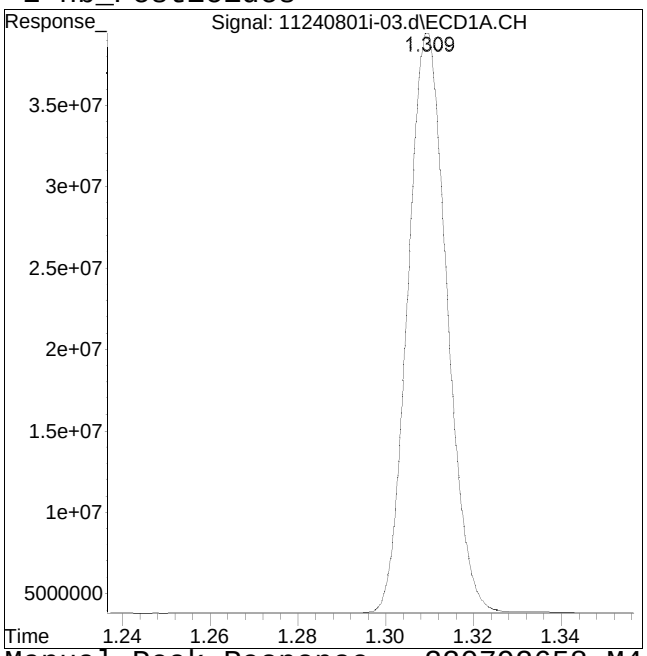
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-03.d
Date Inj'd : 8/1/2024 18:37
Sample : il1pest,42e,,pp 11687 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:37 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 228985553



Manual Peak Response = 220792658 M4

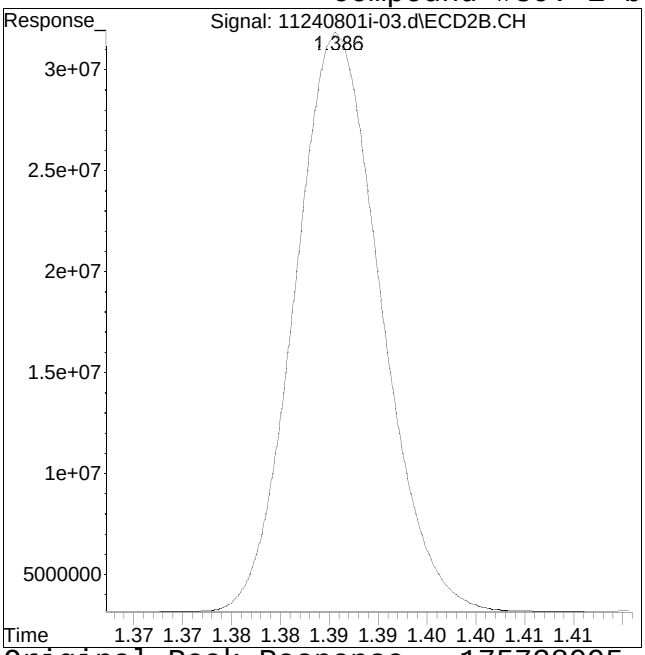
M4 = Poor automated baseline construction.

Manual Integration Report

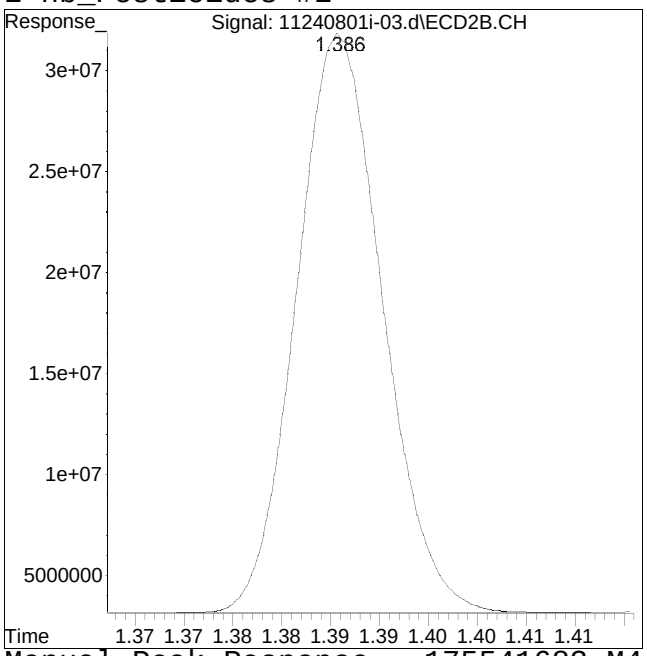
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-03.d
Date Inj'd : 8/1/2024 18:37
Sample : il1pest,42e,,pp 11687 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:37 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 175738995



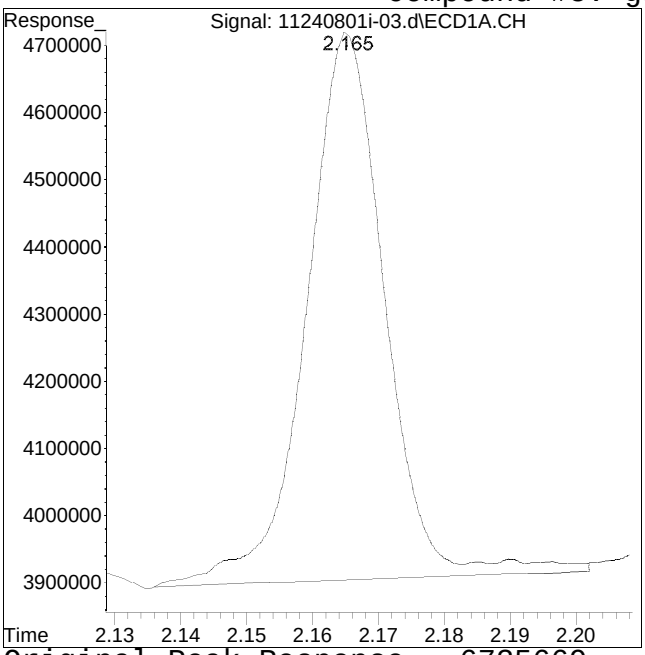
Manual Peak Response = 175541683 M4

M4 = Poor automated baseline construction.

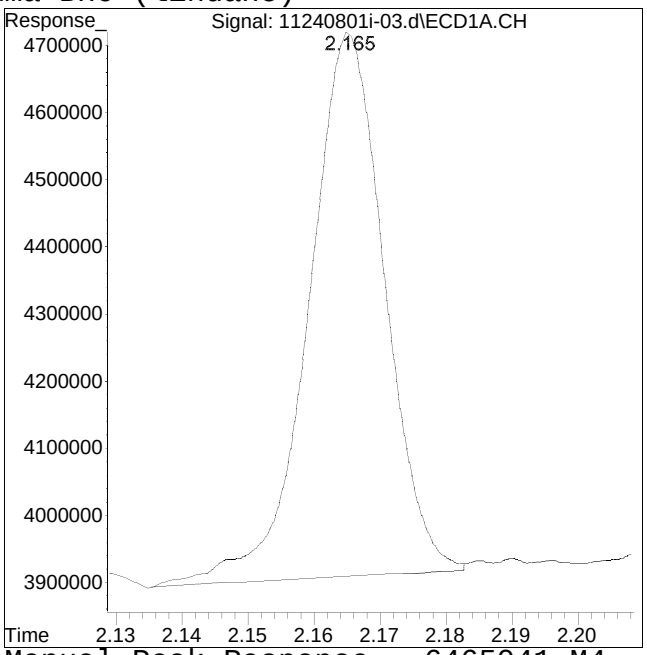
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-03.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:37 Instrument : Pest 11
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/2/2024 11:37 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 6735669



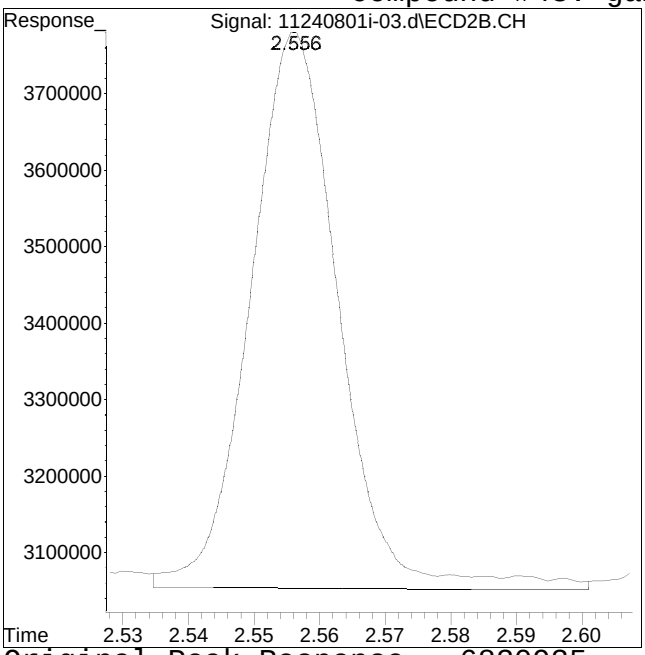
Manual Peak Response = 6465041 M4

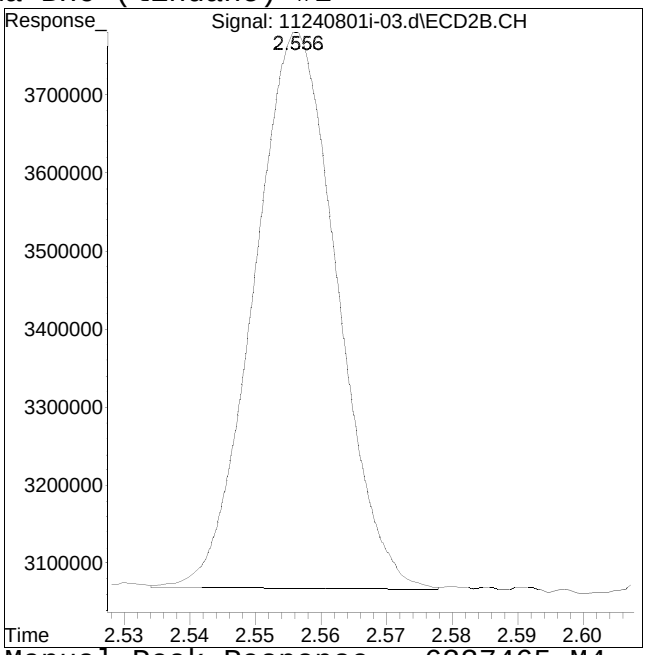
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-03.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:37 Instrument : Pest 11
Sample : il1pest,42e,,pp 11687 L0.0Quant Date : 8/2/2024 11:37 am

Compound #43: gamma-BHC (lindane) #2





Original Peak Response = 6830935 Manual Peak Response = 6237465 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	236.2E6	189.9E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.651	1.857	10103750	9166304	1.033M4	1.095M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.07%#	2.19%#
27) s	Decachlorobi	6.287	6.916	12797286	9509129	1.189M4	1.208M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.38%#	2.42%#
	Target Compounds						
3) t	Hexachlorobe	1.864	2.177	14522616	11025327	1.106M4	1.197M3
4) t	alpha-BHC	1.963	2.270	12213270	11833439	0.873M3	0.957M4
5) t	gamma-BHC (l	2.165	2.555	12327860	11786896	0.933M4	1.029M4
6) t	beta-BHC	2.221	2.622	6284813	6484776	1.068M4	1.227
7) t	delta-BHC	2.349	2.888	11794485	11613870	0.898M4	1.004M4
8) t	Heptachlor	2.512	2.951	12406198	13569126	0.994M4	1.135M4
9) t	Aldrin	2.755	3.270	11094967	11481671	0.947M3	1.060M4
10) t	Alachlor	2.875	3.152	2283039	2193840	1.050M4	1.239M3
11) t	Chlorpyrifos	2.968	3.506	6350609	8645243	1.140M4	1.309M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	11159206	12274465	0.996M4	1.153M4
13)	t	gamma-Chlord	3.424	4.104	10188540	11268731	1.002M4	1.150M3
14)	t	alpha-Chlord	3.558	4.274	11264127	12463945	0.978M4	1.154M4
15)	t	4,4'-DDE	3.655	4.472	10456227	10459964	0.921M4	1.029M4
16)	t	Endosulfan I	3.694	4.335	10476077	11507441	0.993M4	1.157M4
17)	t	Dieldrin	3.954	4.627	10104411	10753372	0.936M4	1.075M4
18)	t	Endrin	4.208	4.925	10369621	10955743	0.947M4	1.080M3
19)	t	4,4'-DDD	4.320	5.049	8095840	8492171	0.916M4	1.035M3
20)	t	Endosulfan I	4.450	5.125	9763069	10359858	0.980M4	1.141M4
21)	t	4,4'-DDT	4.615	5.326	9158338	9826532	0.906M4	1.039M4
22)	t	Endrin Aldeh	4.868	5.421	8559160	8781210	1.025M3	1.158M4
23)	t	Methoxychlor	5.103	5.890	6198489	6445389	1.124M3	1.236M4
24)	t	Mirex	5.159	6.023	10519898	10310168	1.188M3	1.296M4
25)	t	Endosulfan S	5.260	5.649	10237086	10496074	1.083M3	1.175M4
26)	t	Endrin Keton	5.486	6.060	11019089	10468738	0.984M4	1.106M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

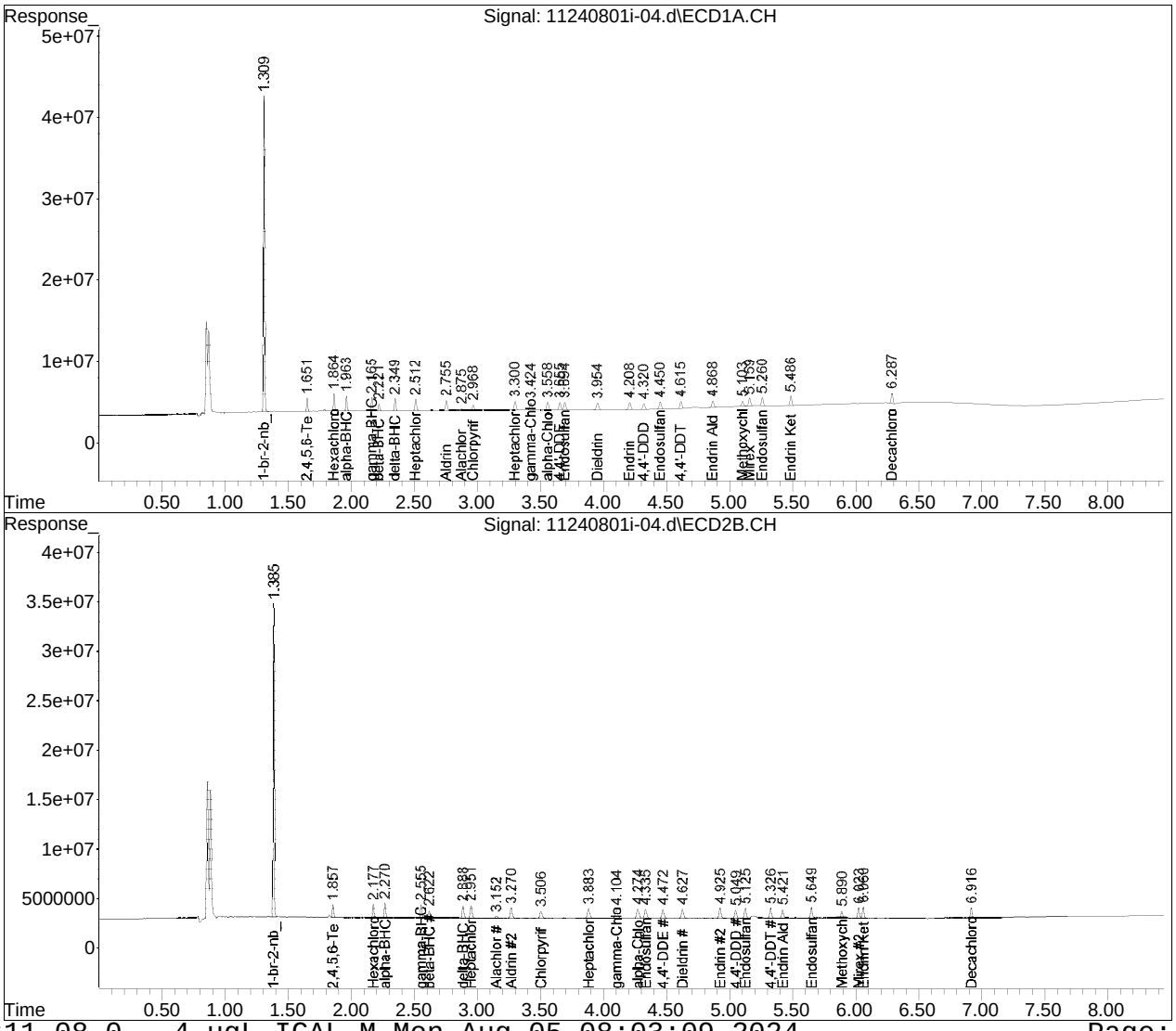
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 18:49
Operator : PEST11:ejl
Sample : il2pest,42e,,pp 11686 L0.001
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:23:45 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:23:36 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

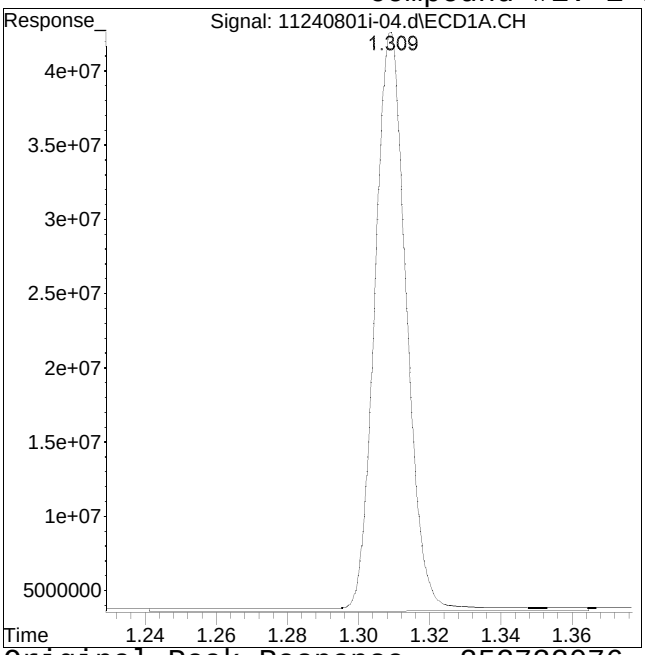


Manual Integration Report

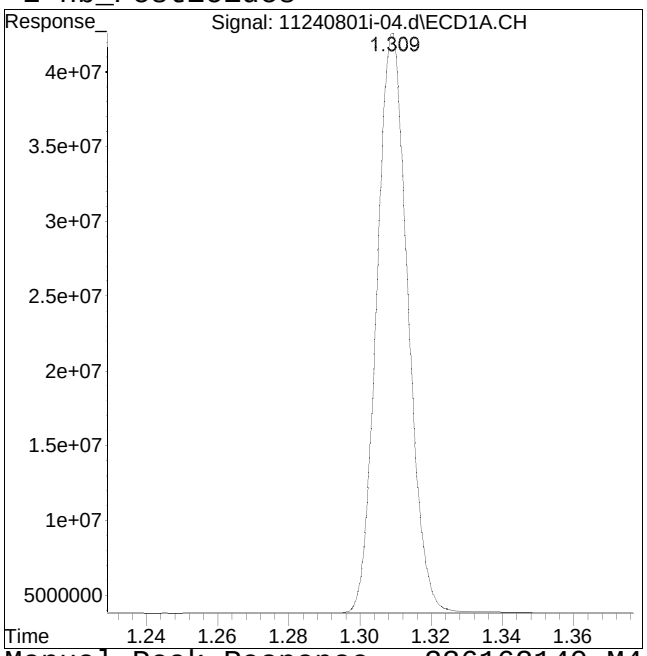
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 252732076



Manual Peak Response = 236162140 M4

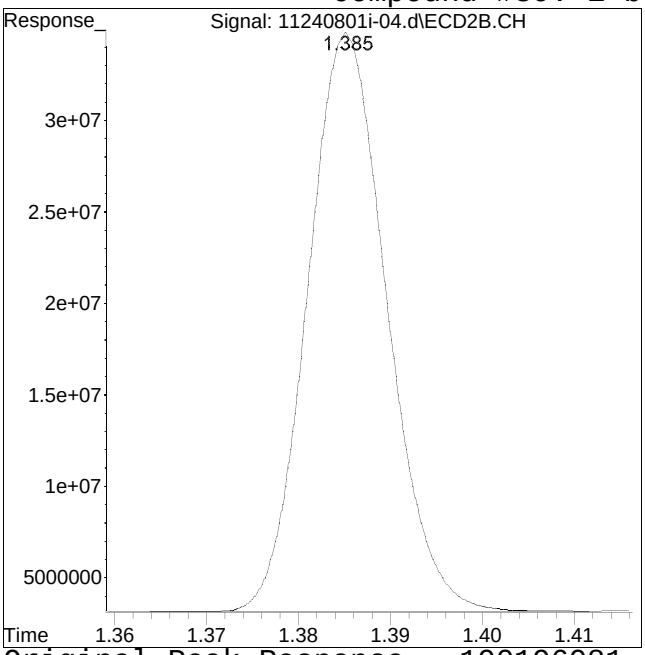
M4 = Poor automated baseline construction.

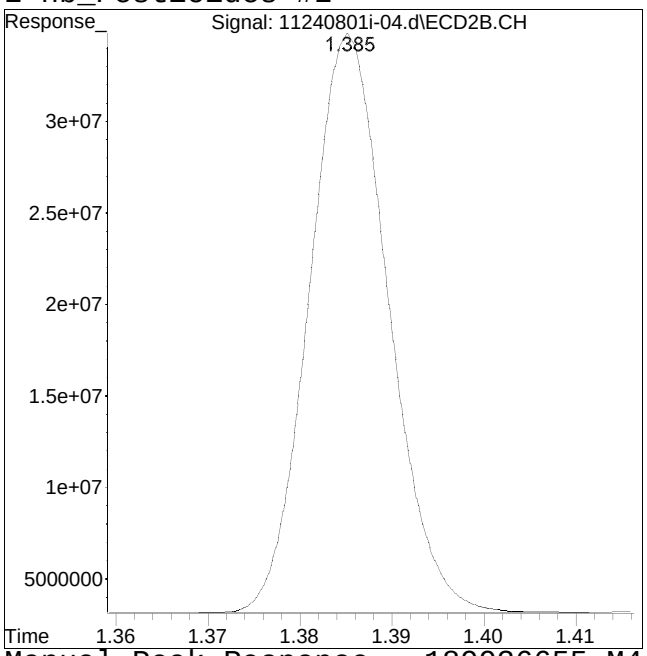
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #39: 1-br-2-nb_Pesticides #2



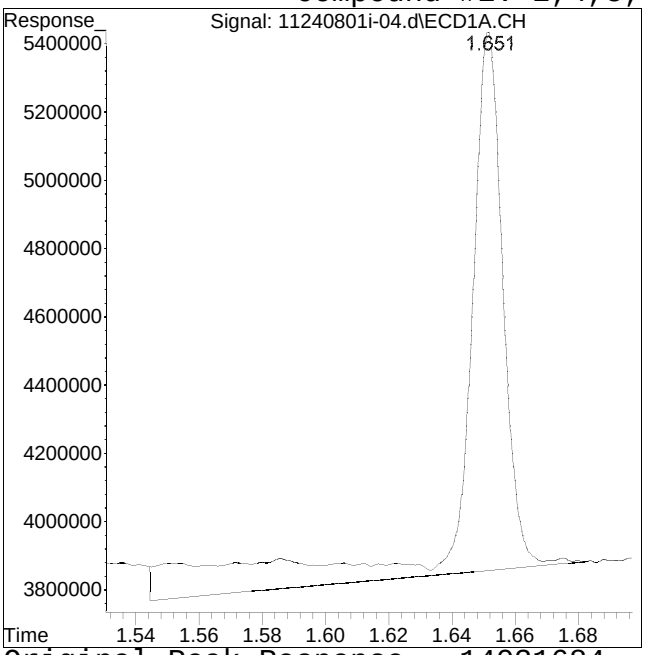


Original Peak Response = 190196981 Manual Peak Response = 189936655 M4
M4 = Poor automated baseline construction.

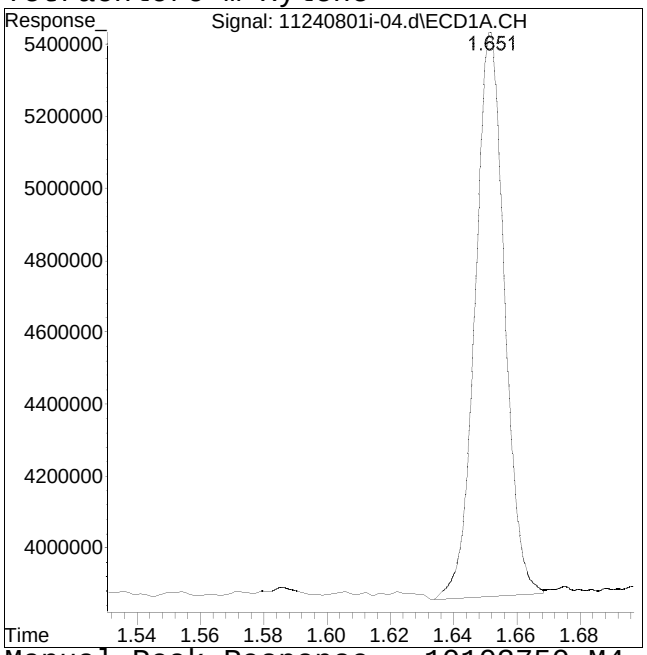
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 14031684



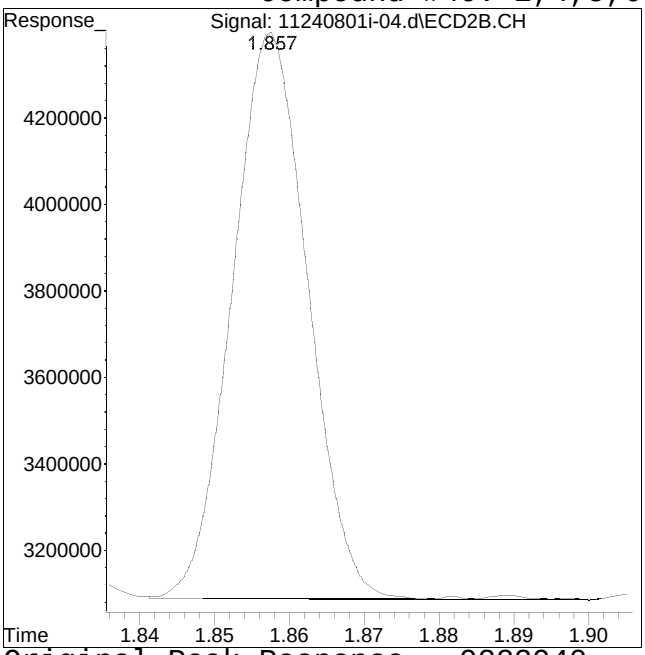
Manual Peak Response = 10103750 M4

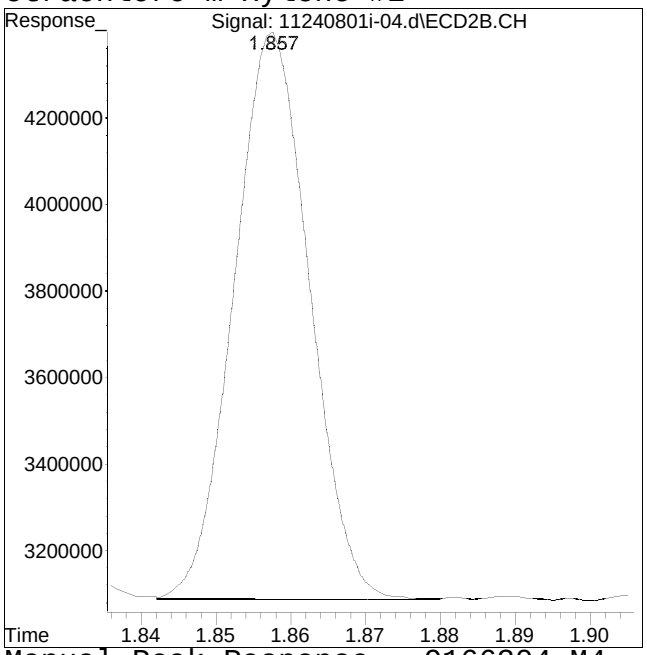
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





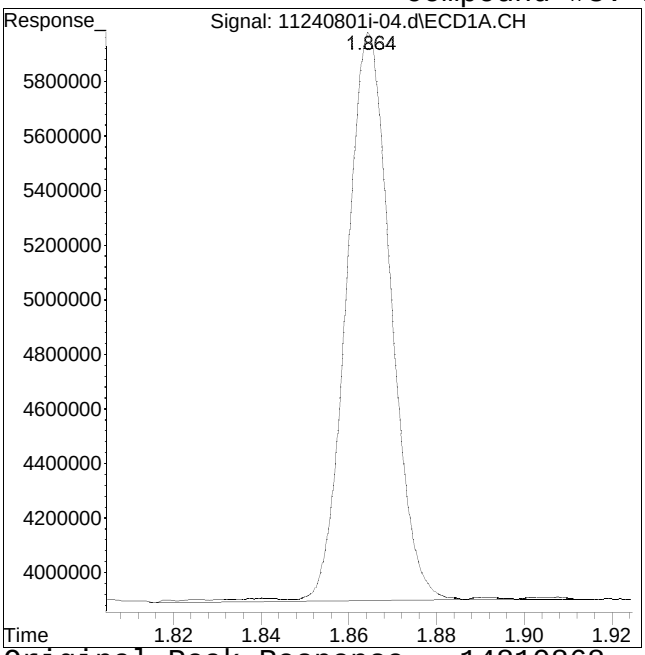
Original Peak Response = 9223940 Manual Peak Response = 9166304 M4
M4 = Poor automated baseline construction.

Manual Integration Report

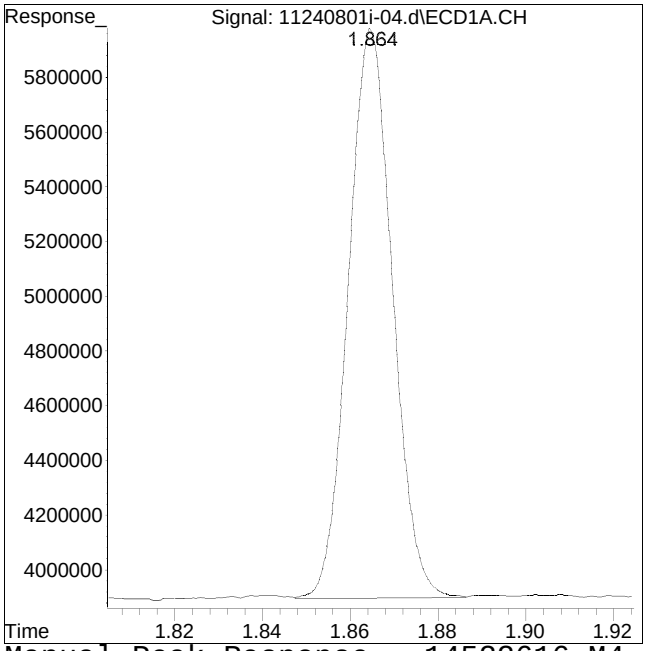
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #3: Hexachlorobenzene



Original Peak Response = 14810868



Manual Peak Response = 14522616 M4

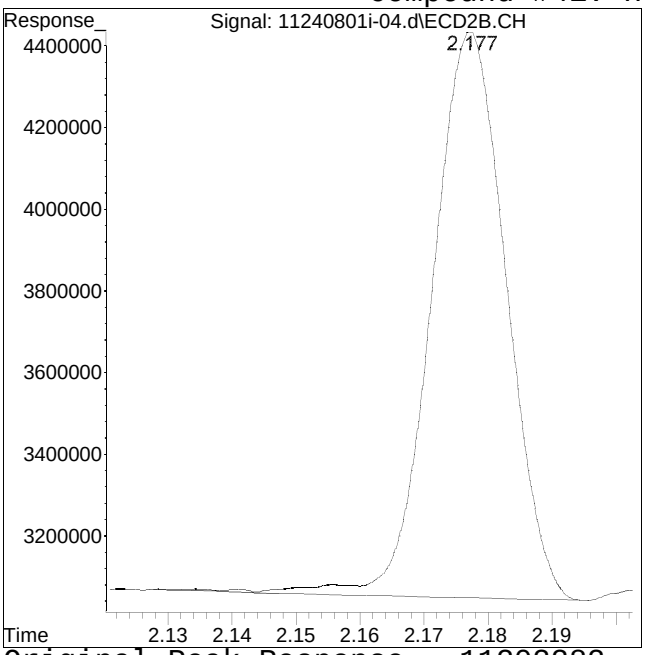
M4 = Poor automated baseline construction.

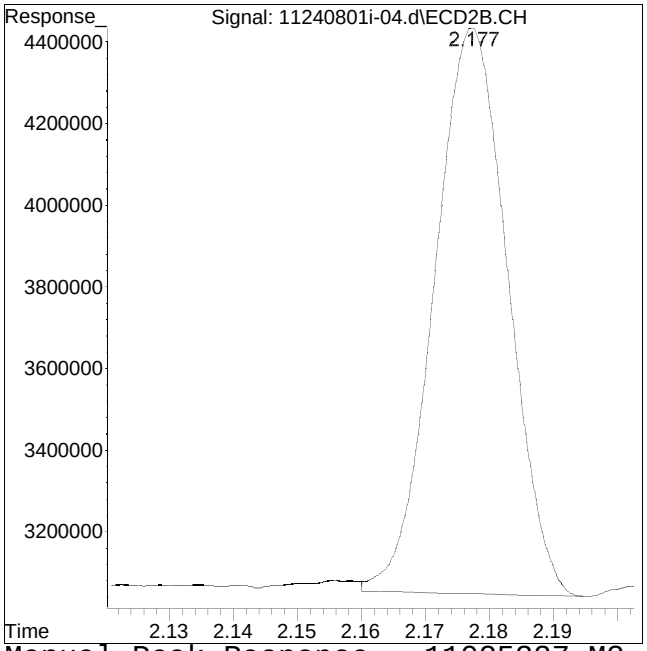
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #41: Hexachlorobenzene #2





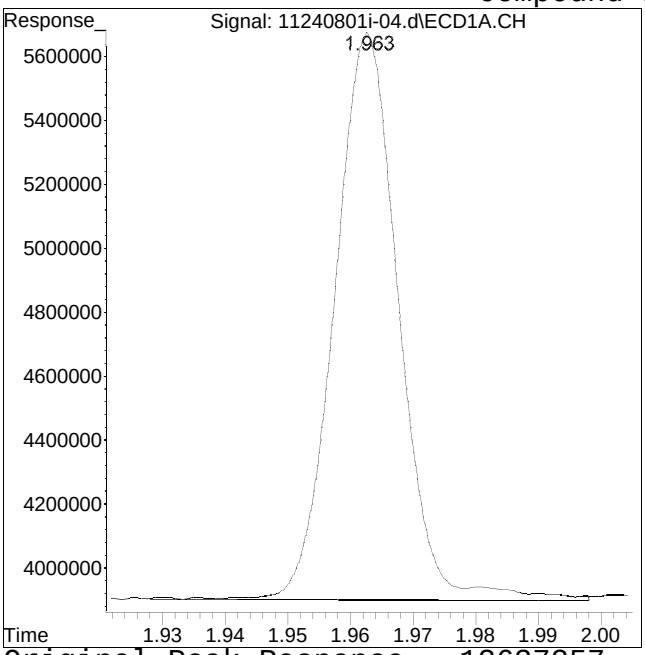
Original Peak Response = 11202282 Manual Peak Response = 11025327 M3

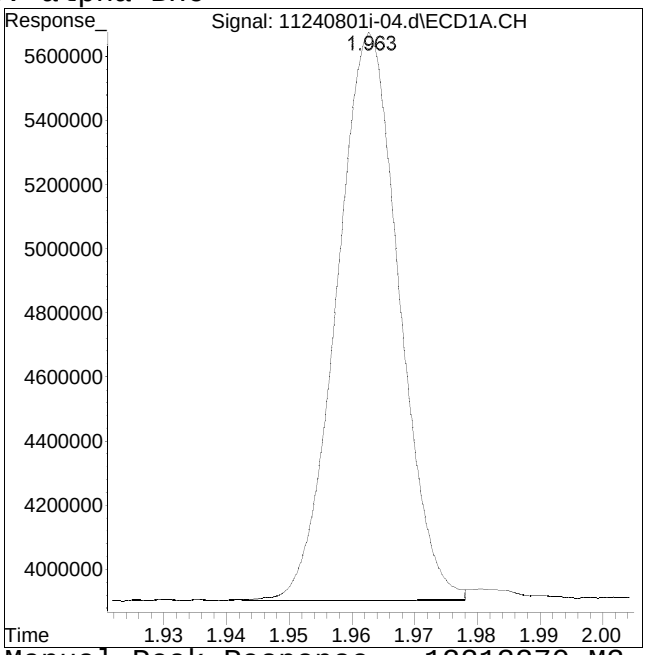
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #4: alpha-BHC



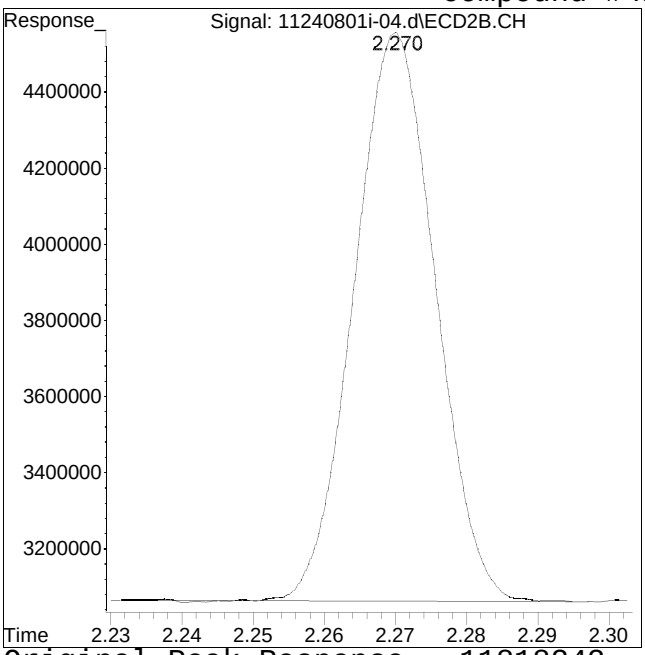


Original Peak Response = 12637257 Manual Peak Response = 12213270 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

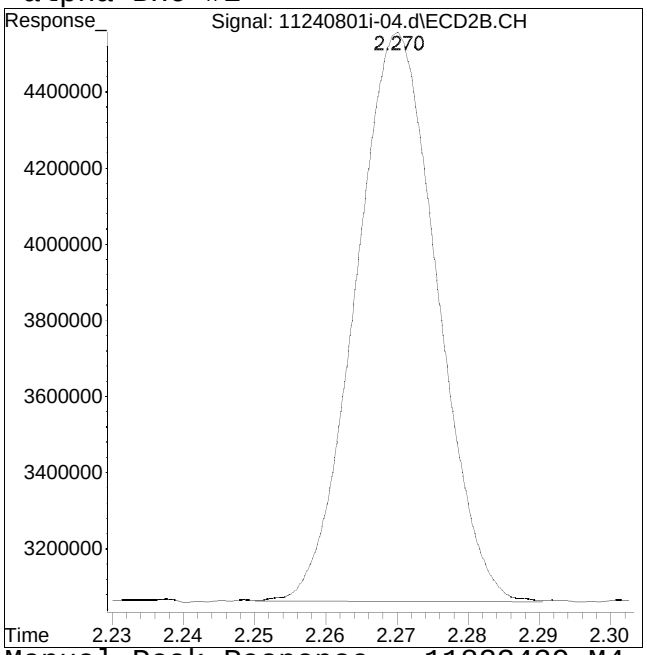
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #42: alpha-BHC #2



Original Peak Response = 11818242



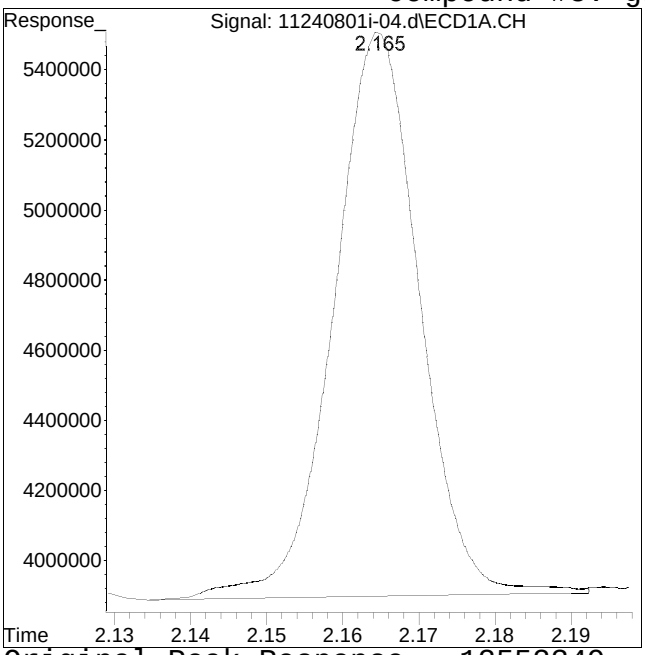
Manual Peak Response = 11833439 M4

M4 = Poor automated baseline construction.

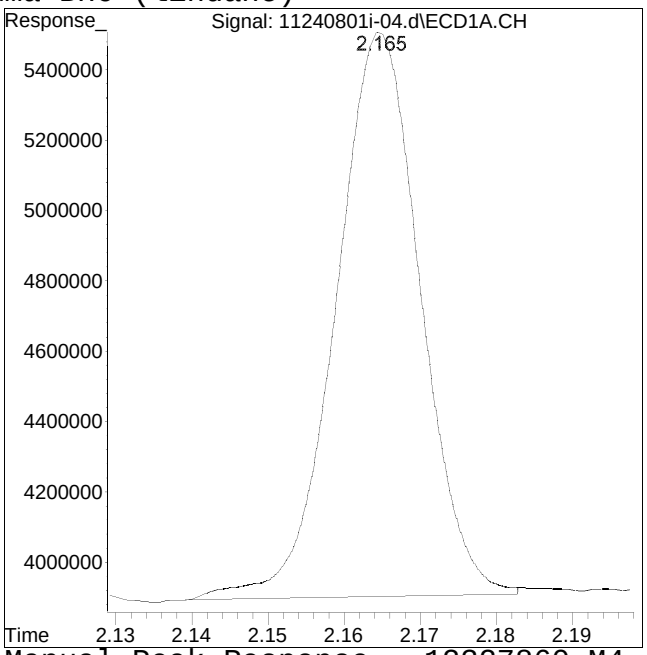
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 12552349



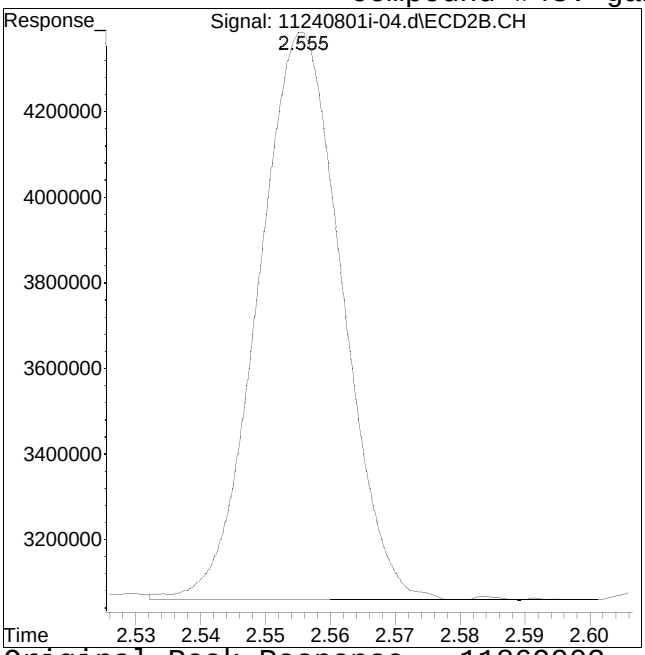
Manual Peak Response = 12327860 M4
M4 = Poor automated baseline construction.

Manual Integration Report

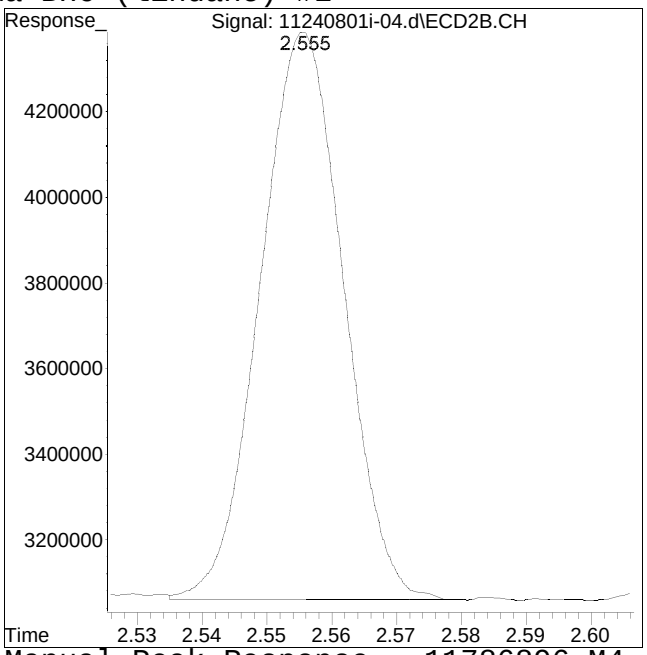
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 11869902



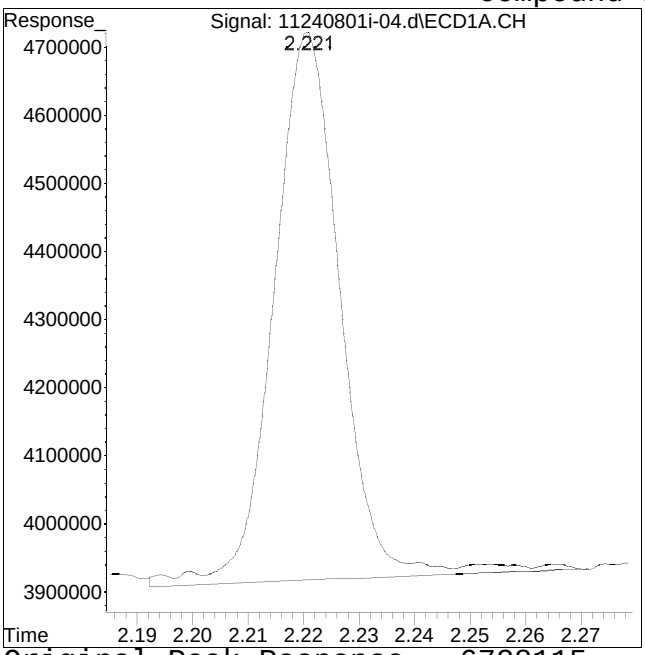
Manual Peak Response = 11786896 M4

M4 = Poor automated baseline construction.

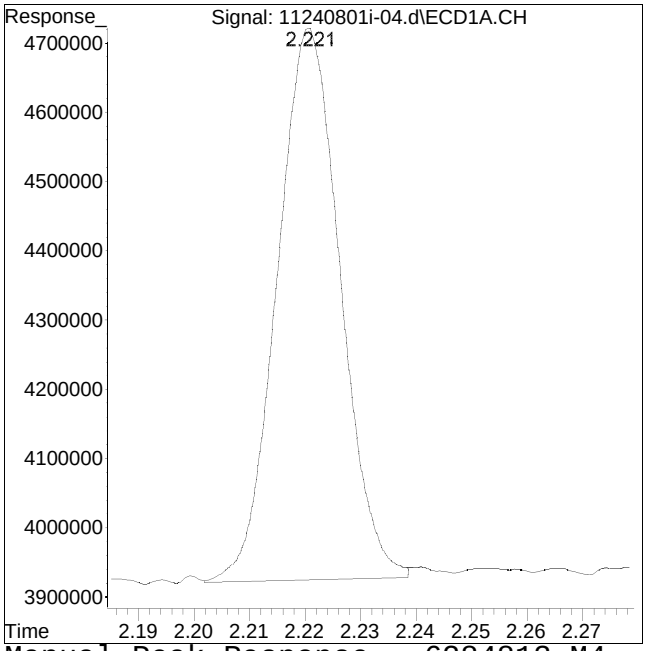
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #6: beta-BHC



Original Peak Response = 6728115



Manual Peak Response = 6284813 M4

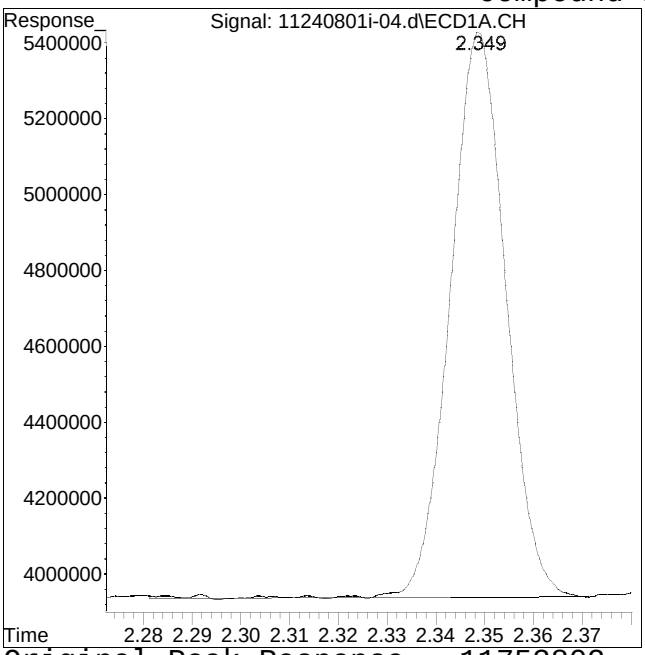
M4 = Poor automated baseline construction.

Manual Integration Report

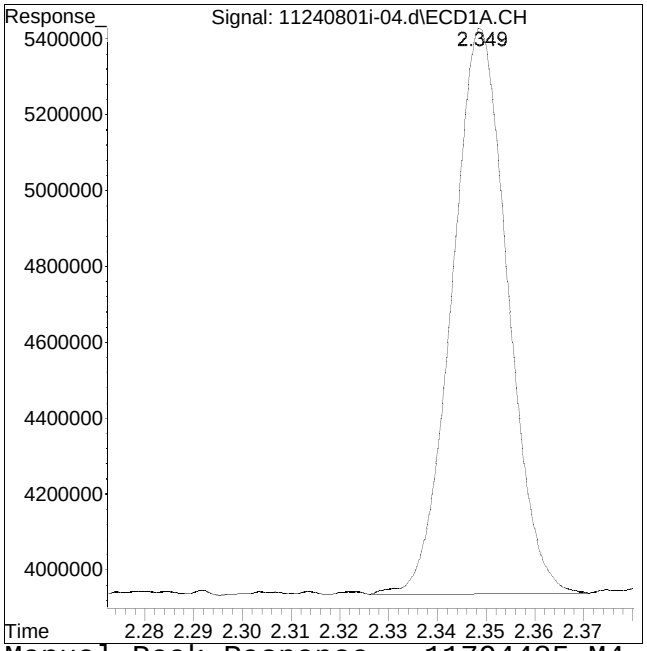
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #7: delta-BHC



Original Peak Response = 11753802



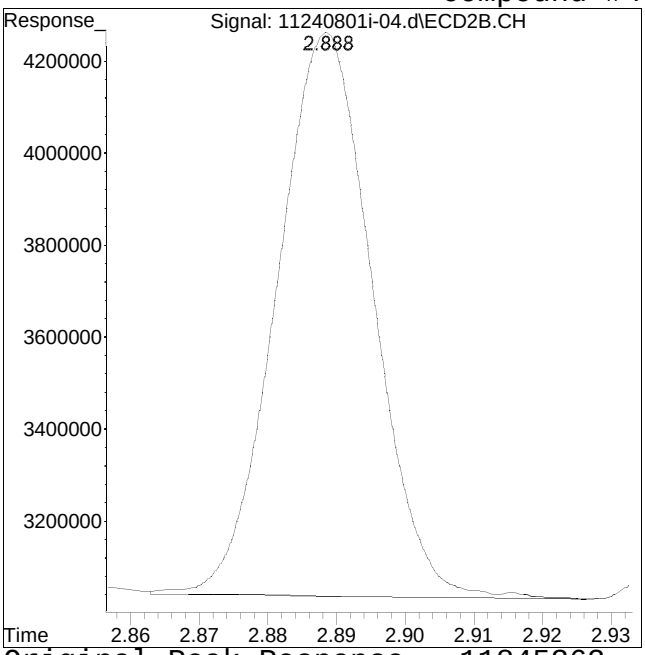
Manual Peak Response = 11794485 M4

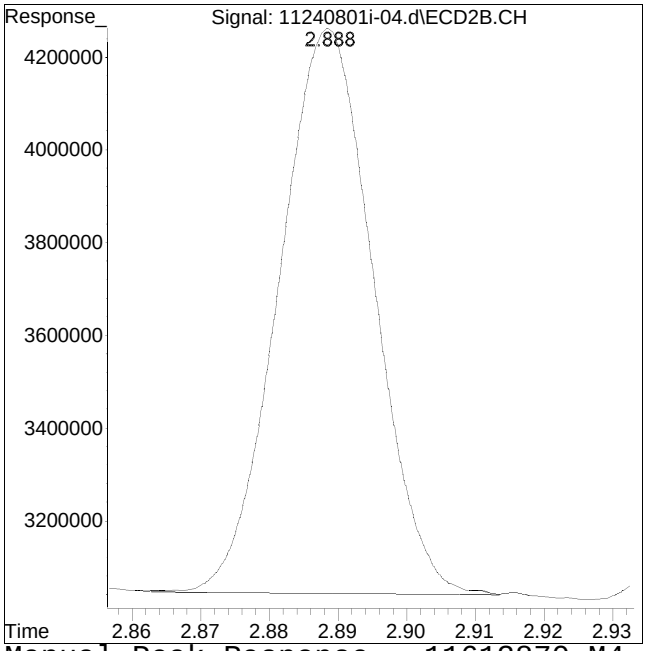
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #45: delta-BHC #2





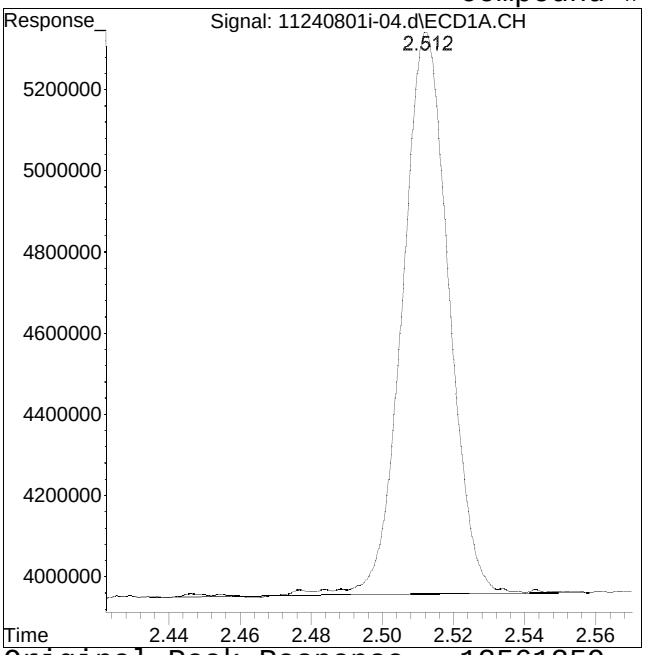
Original Peak Response = 11845362 Manual Peak Response = 11613870 M4
M4 = Poor automated baseline construction.

Manual Integration Report

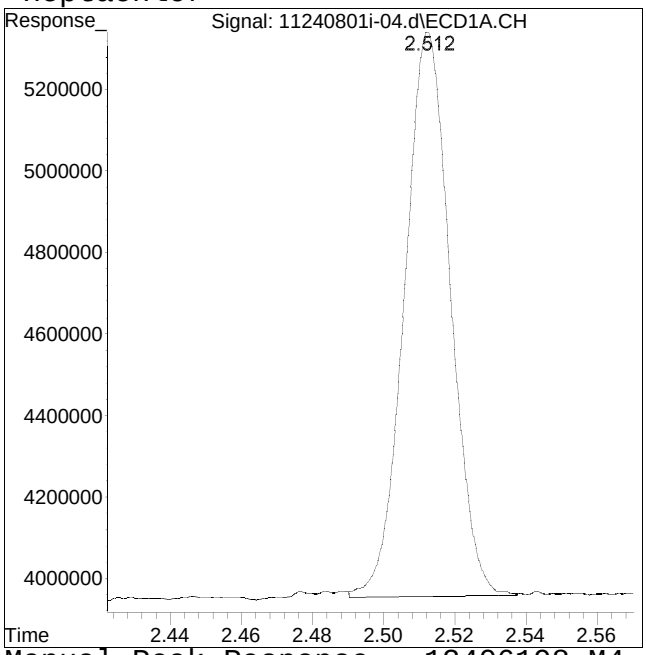
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #8: Heptachlor



Original Peak Response = 12561259



Manual Peak Response = 12406198 M4

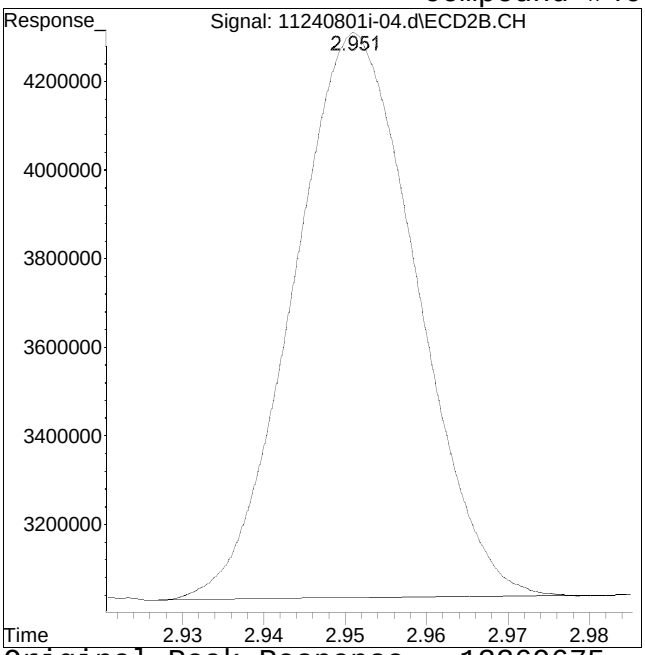
M4 = Poor automated baseline construction.

Manual Integration Report

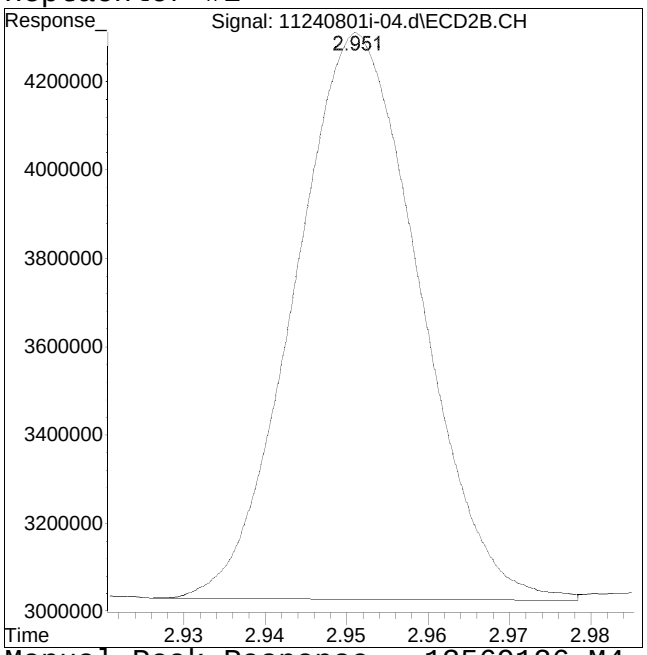
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #46: Heptachlor #2



Original Peak Response = 13369675



Manual Peak Response = 13569126 M4

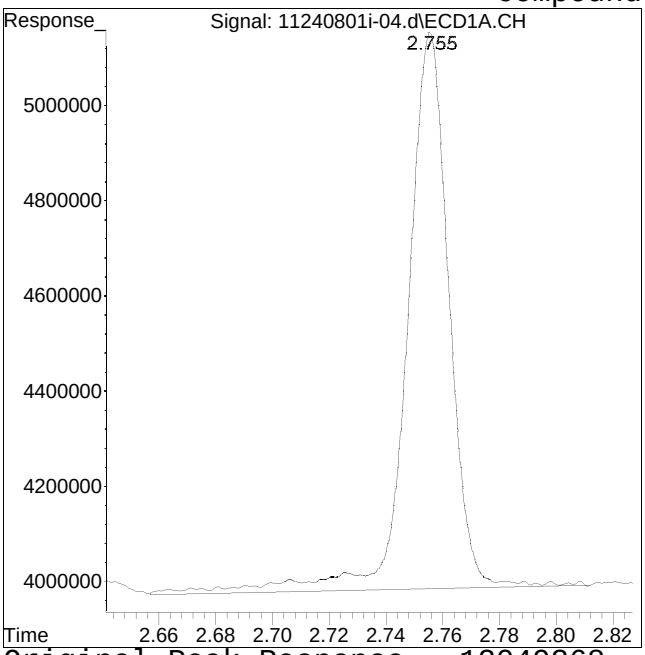
M4 = Poor automated baseline construction.

Manual Integration Report

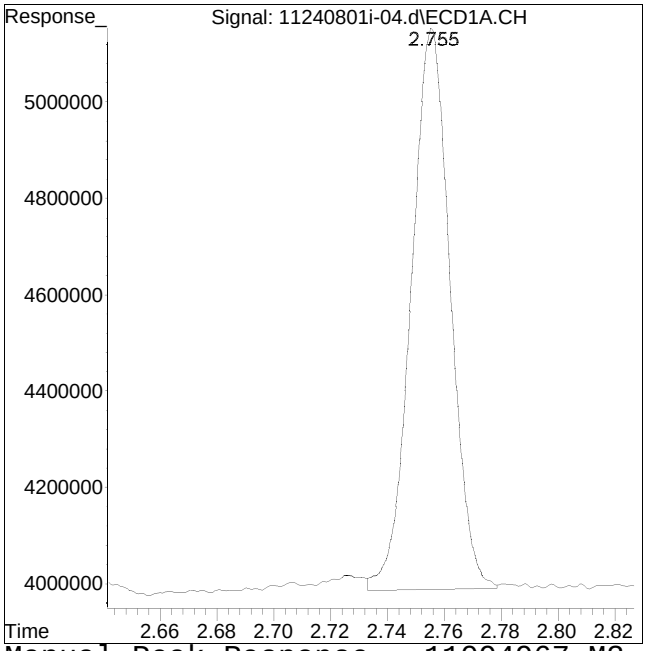
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #9: Aldrin



Original Peak Response = 12049368



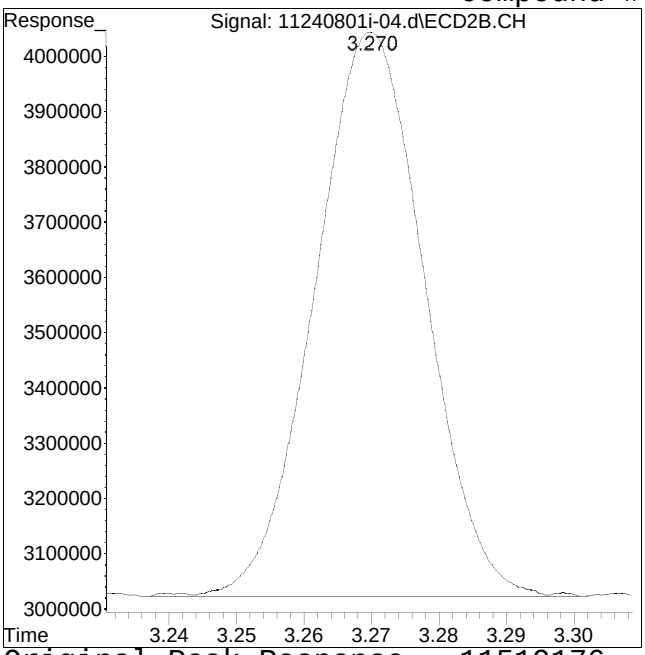
Manual Peak Response = 11094967 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

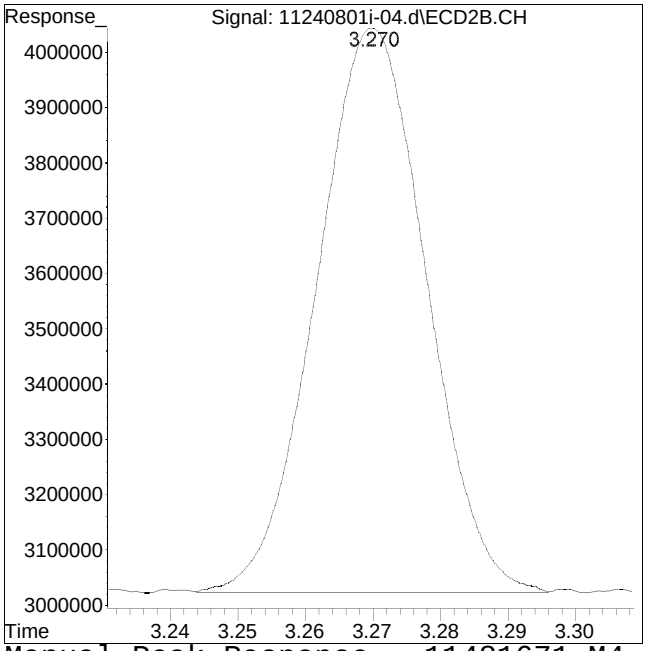
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #47: Aldrin #2



Original Peak Response = 11519176



Manual Peak Response = 11481671 M4

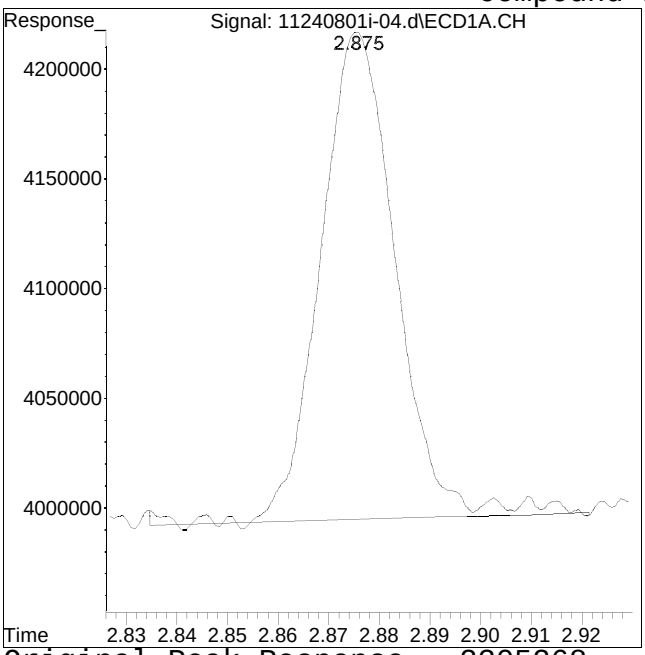
M4 = Poor automated baseline construction.

Manual Integration Report

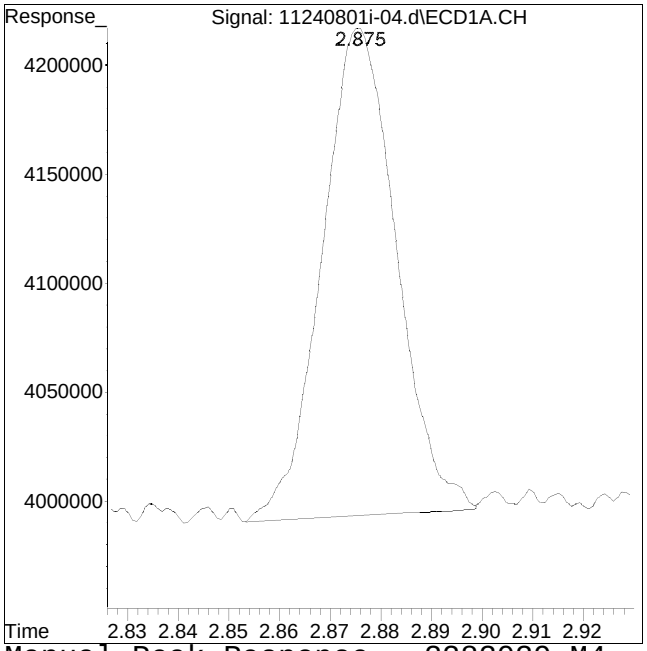
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #10: Alachlor



Original Peak Response = 2305268



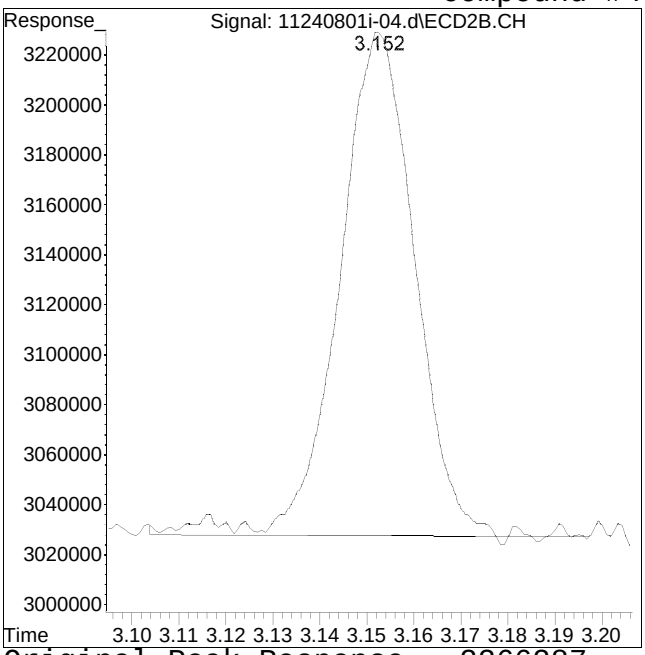
Manual Peak Response = 2283039 M4

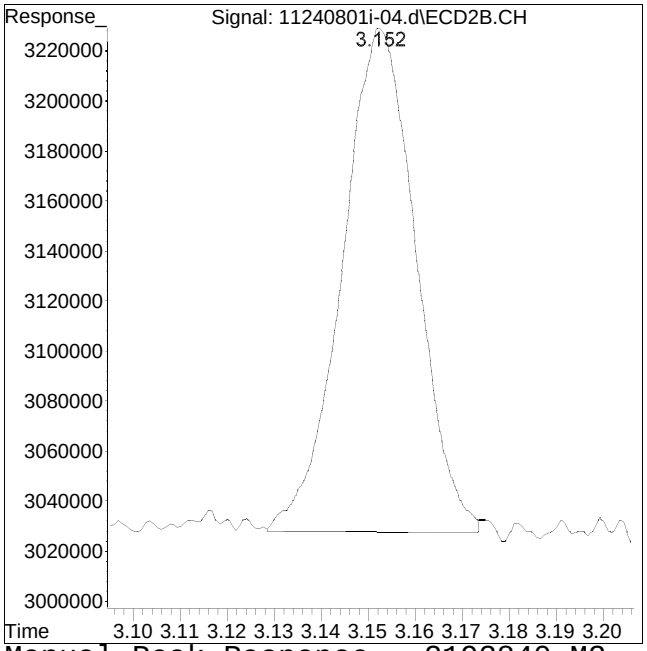
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #48: Alachlor #2



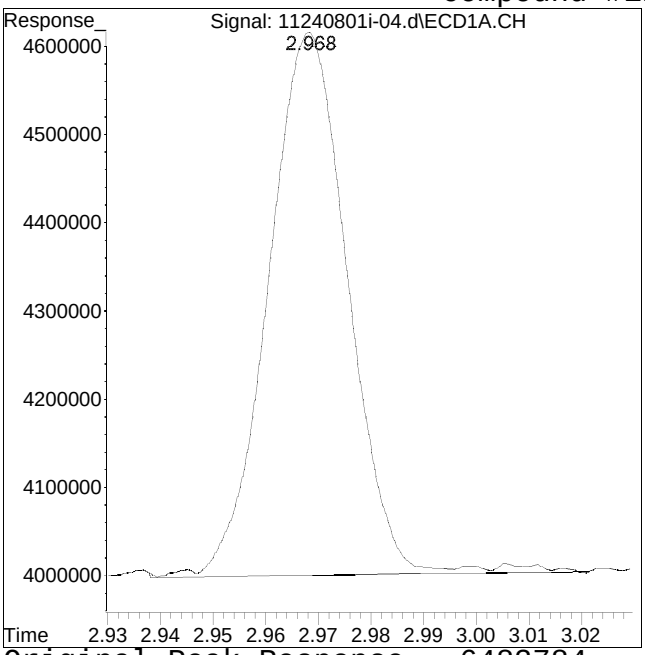


Original Peak Response = 2266287 Manual Peak Response = 2193840 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

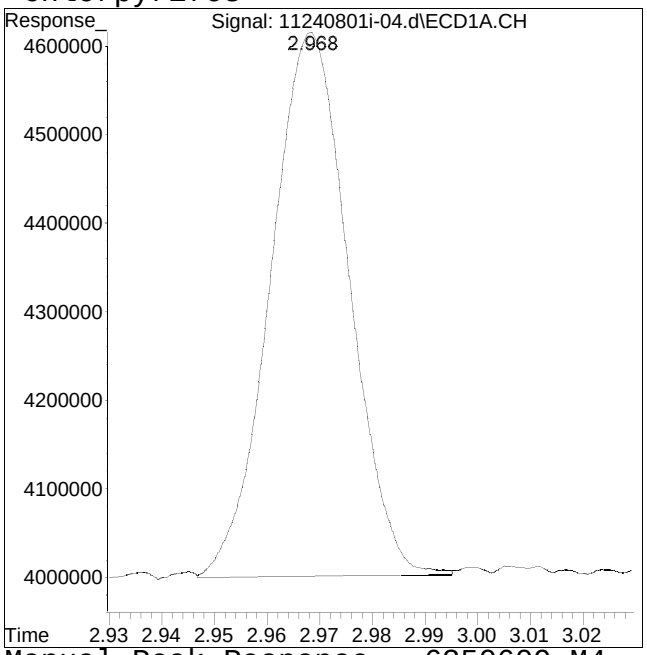
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #11: Chlorpyrifos



Original Peak Response = 6483784



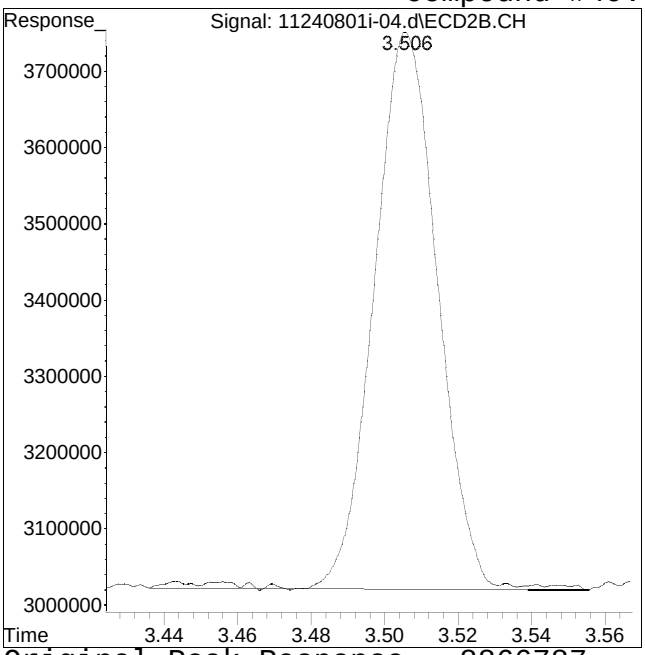
Manual Peak Response = 6350609 M4

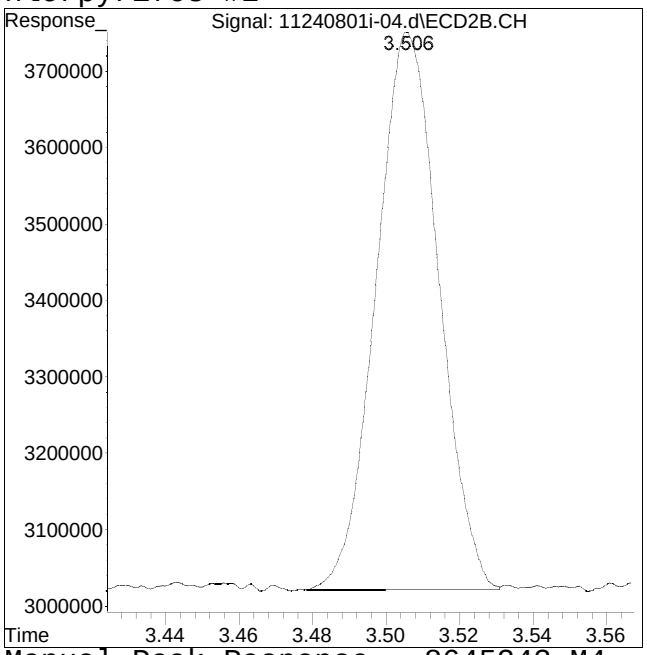
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #49: Chlorpyrifos #2



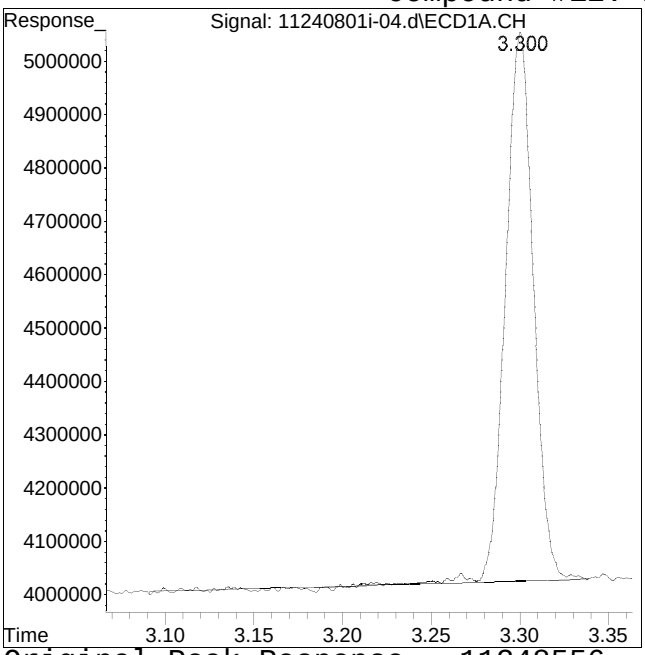


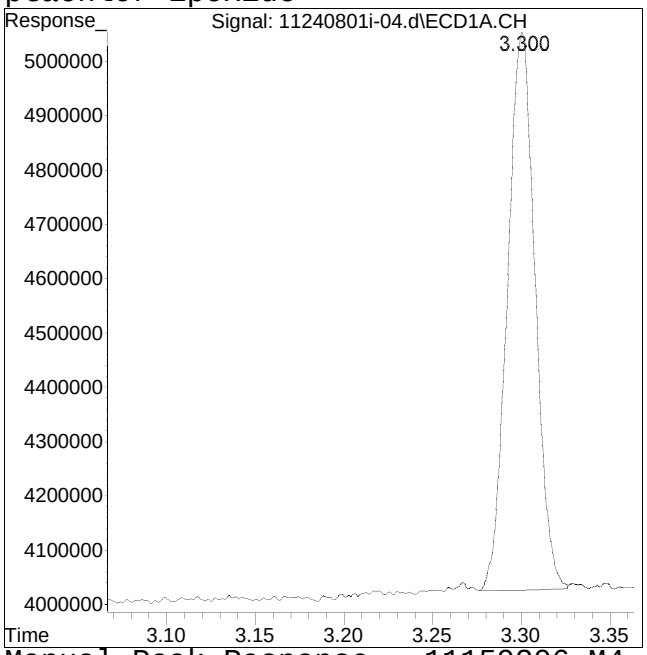
Original Peak Response = 8866787 Manual Peak Response = 8645243 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #12: Heptachlor Epoxide



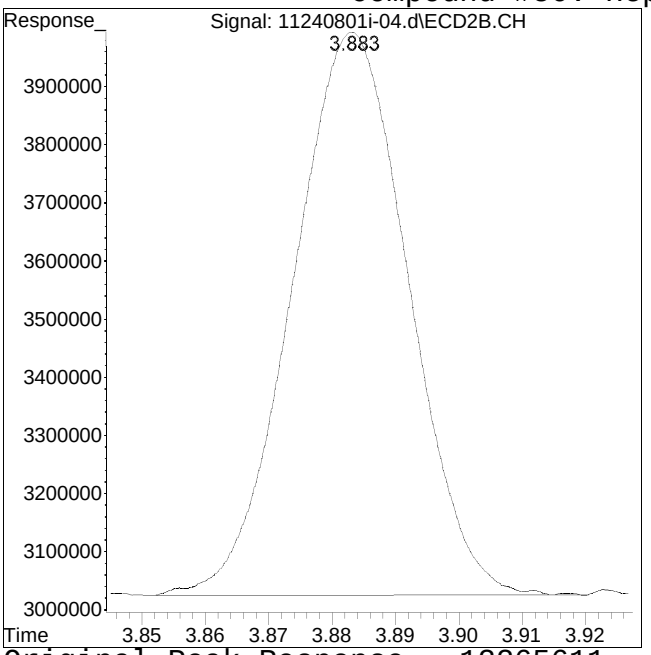


Original Peak Response = 11248556 Manual Peak Response = 11159206 M4
M4 = Poor automated baseline construction.

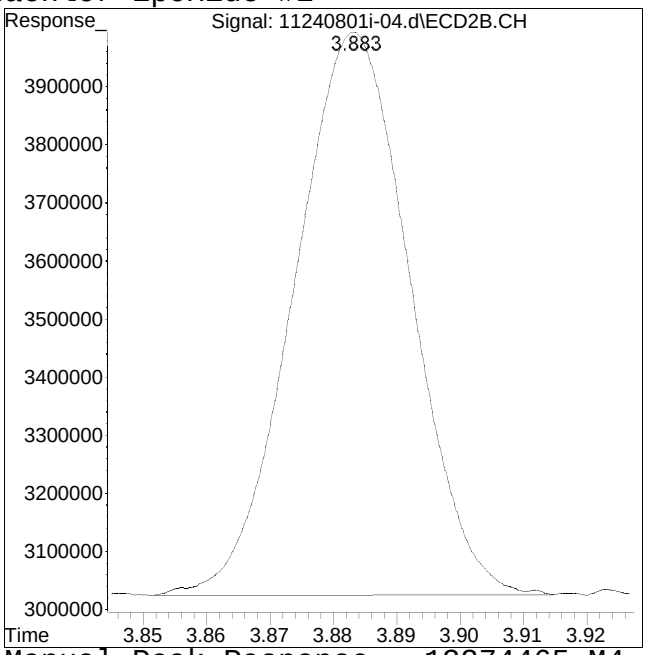
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 12265611



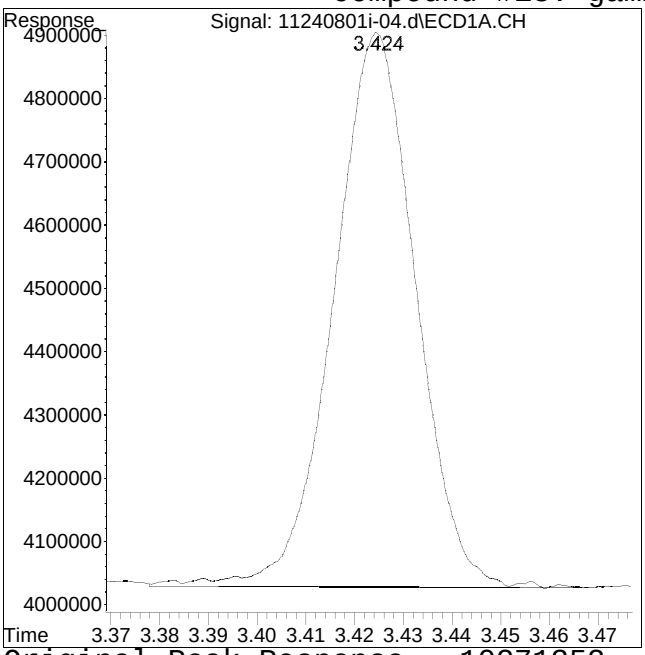
Manual Peak Response = 12274465 M4

M4 = Poor automated baseline construction.

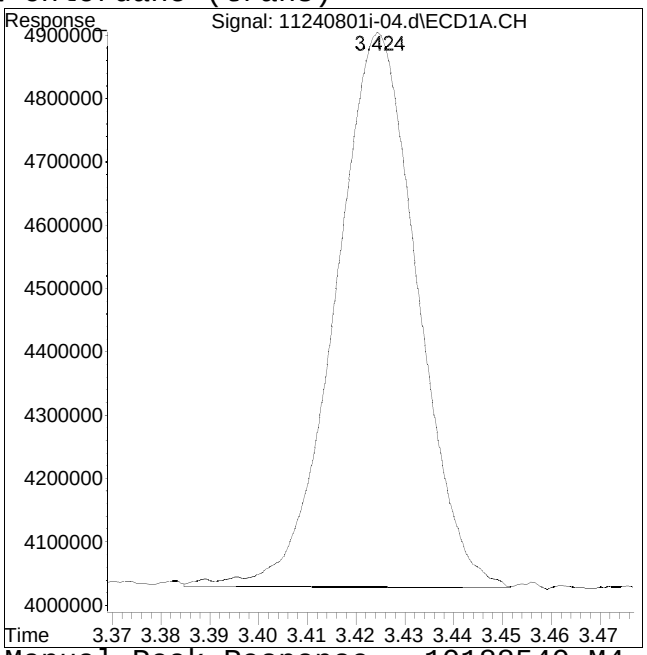
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 10271352



Manual Peak Response = 10188540 M4

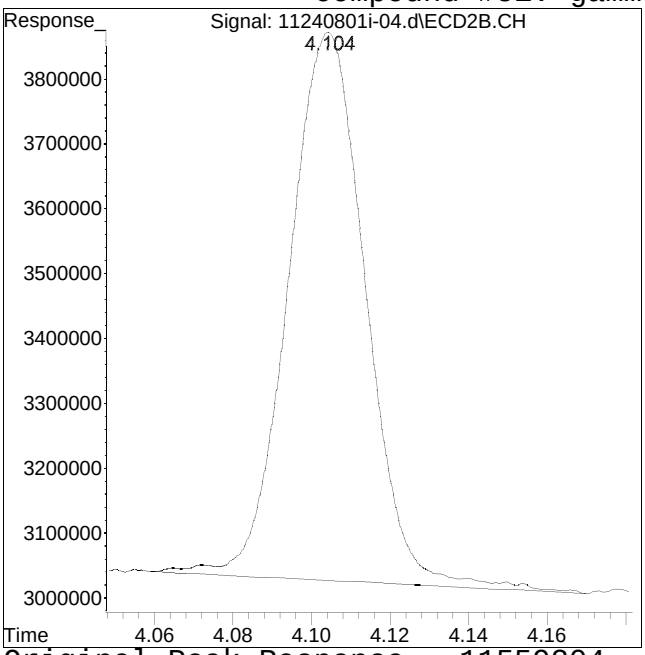
M4 = Poor automated baseline construction.

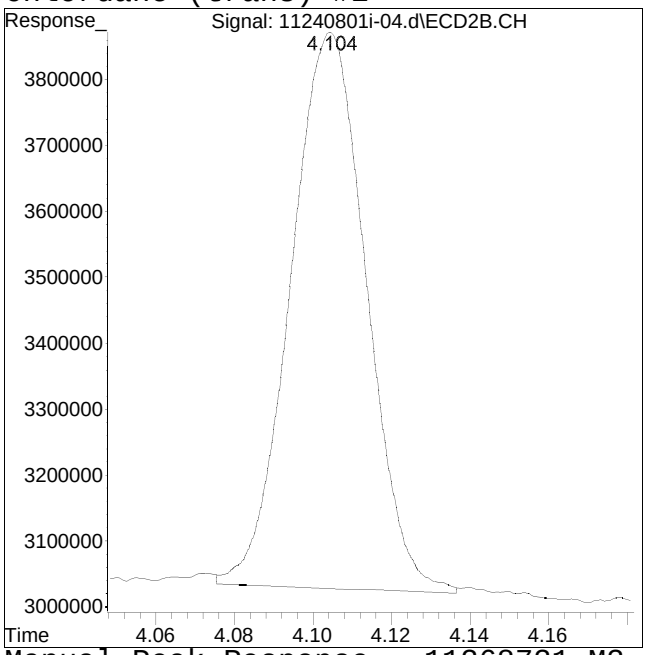
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #51: gamma-Chlordane (trans) #2





Original Peak Response = 11559204 Manual Peak Response = 11268731 M3

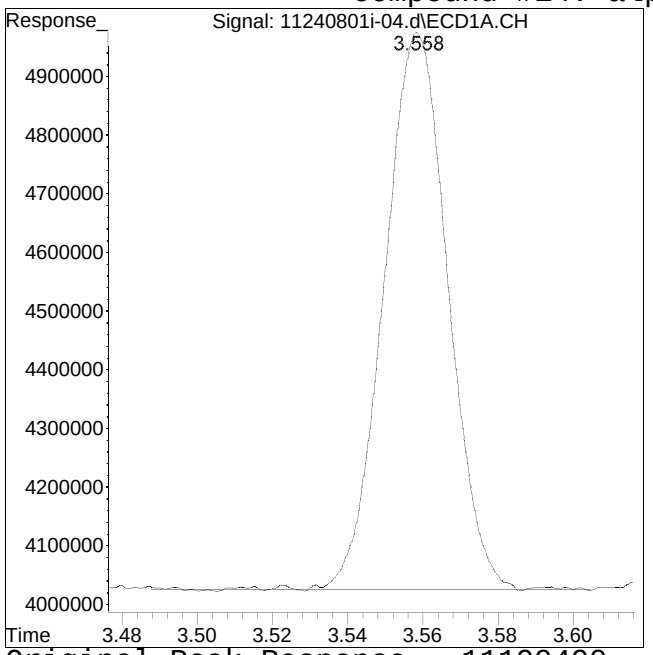
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

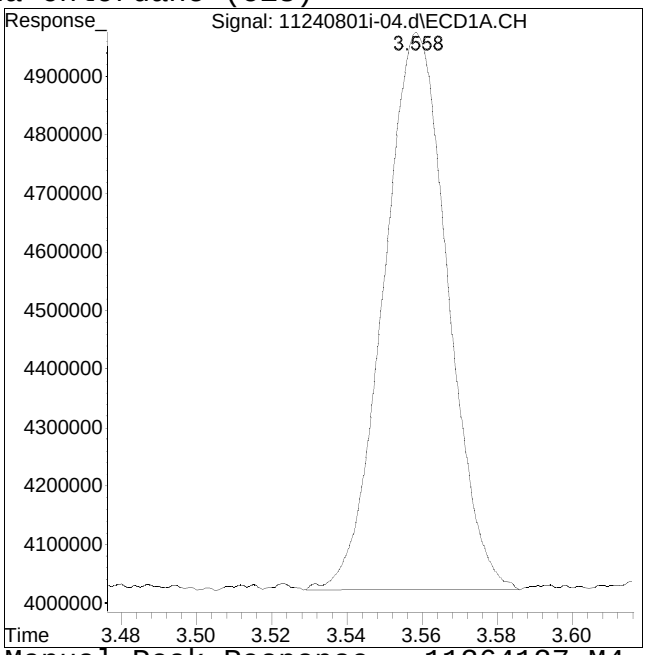
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 11199490



Manual Peak Response = 11264127 M4

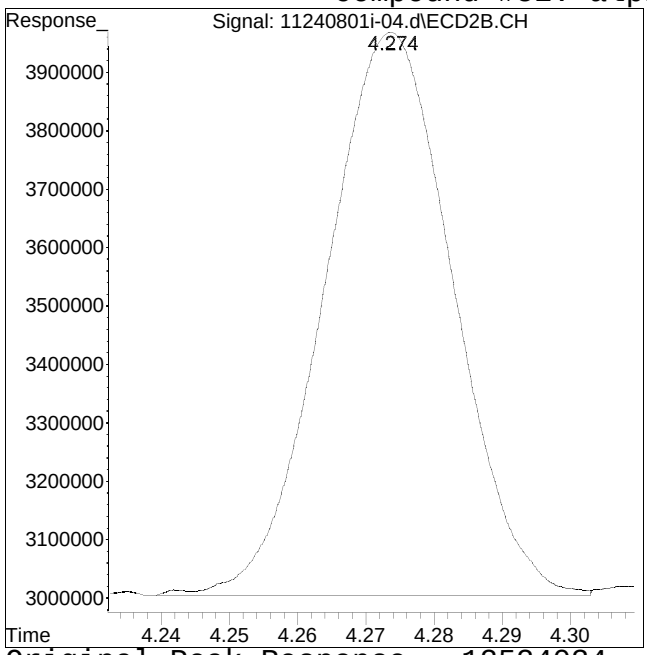
M4 = Poor automated baseline construction.

Manual Integration Report

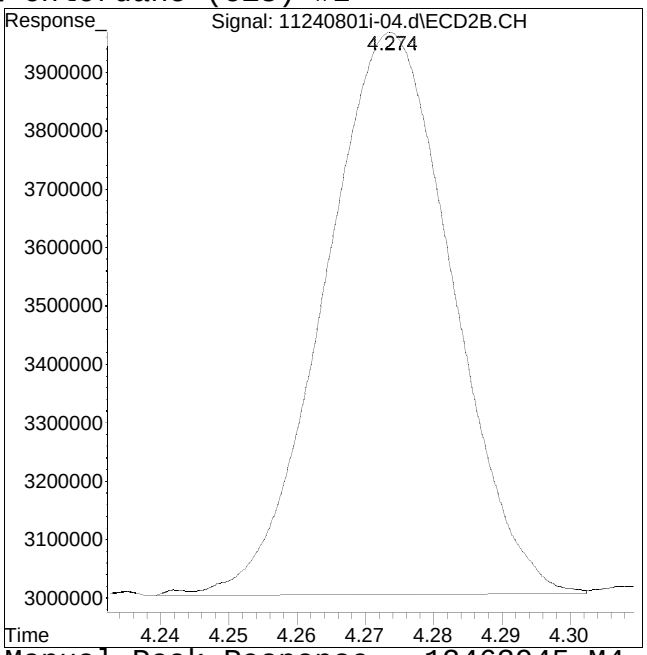
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 12524034



Manual Peak Response = 12463945 M4

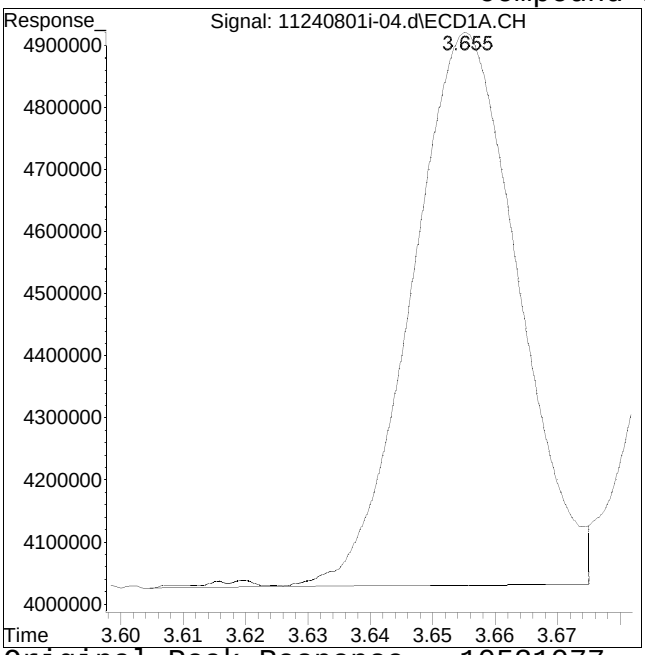
M4 = Poor automated baseline construction.

Manual Integration Report

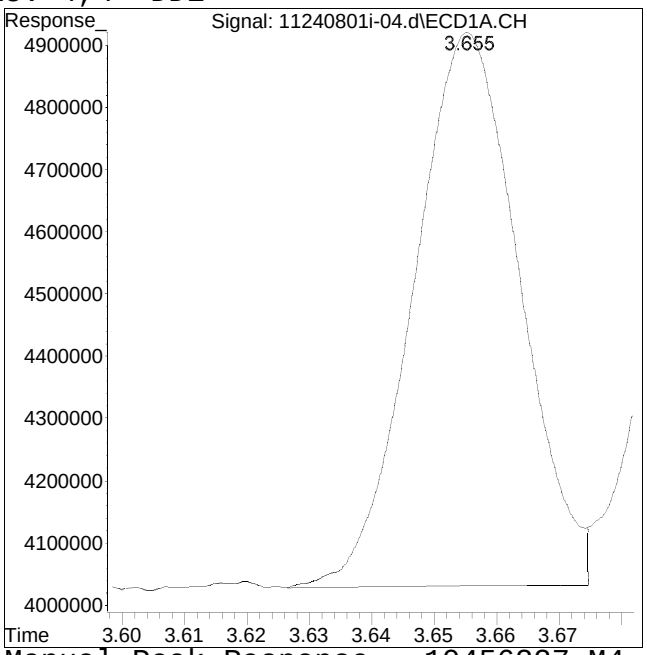
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #15: 4,4'-DDE



Original Peak Response = 10531077



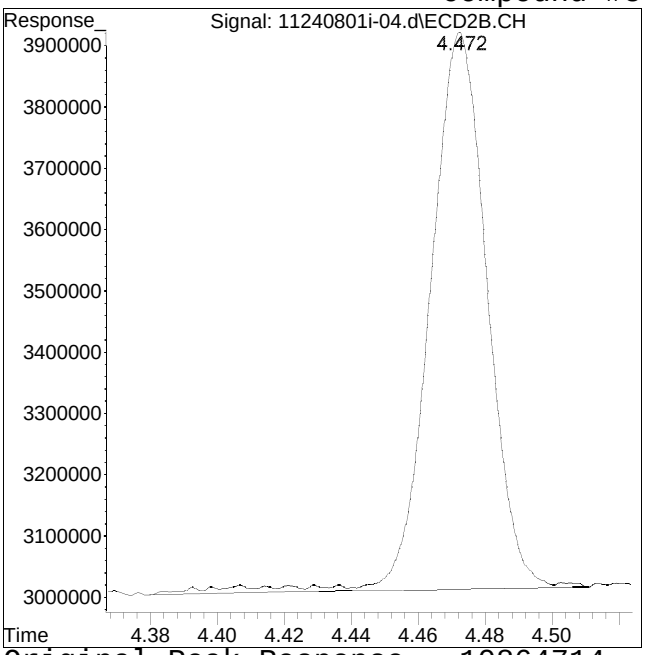
Manual Peak Response = 10456227 M4

M4 = Poor automated baseline construction.

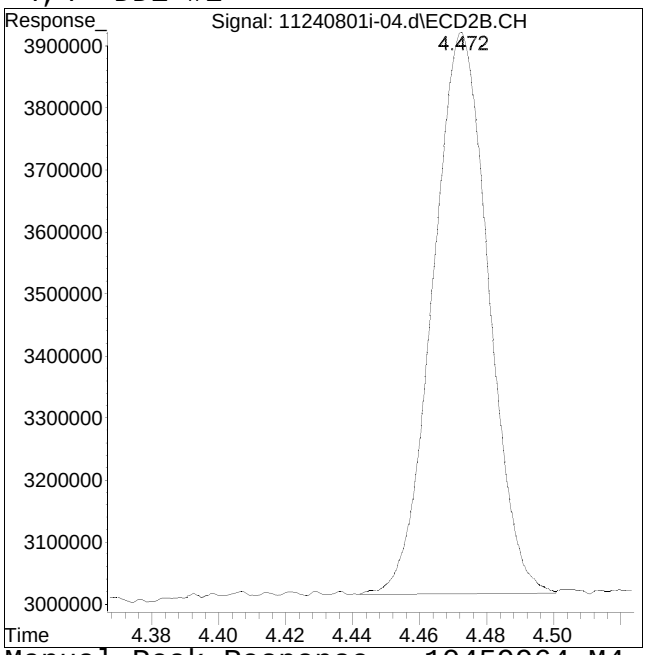
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 10864714



Manual Peak Response = 10459964 M4

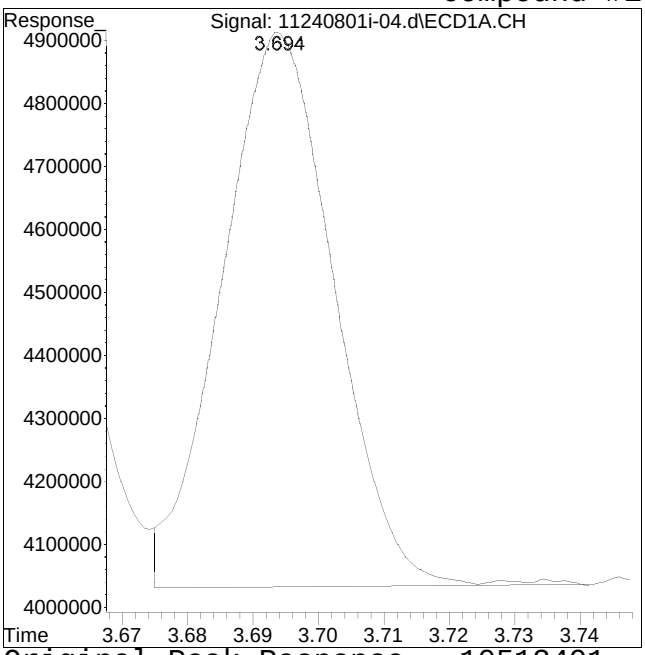
M4 = Poor automated baseline construction.

Manual Integration Report

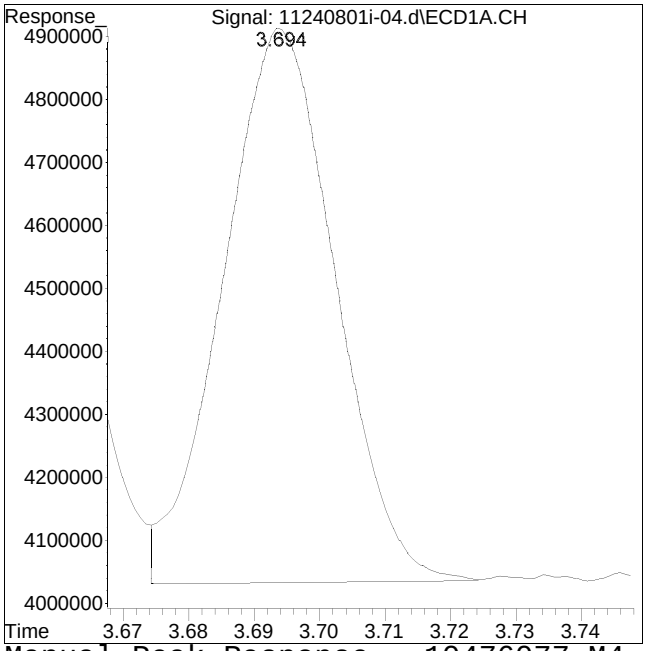
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #16: Endosulfan I



Original Peak Response = 10512491



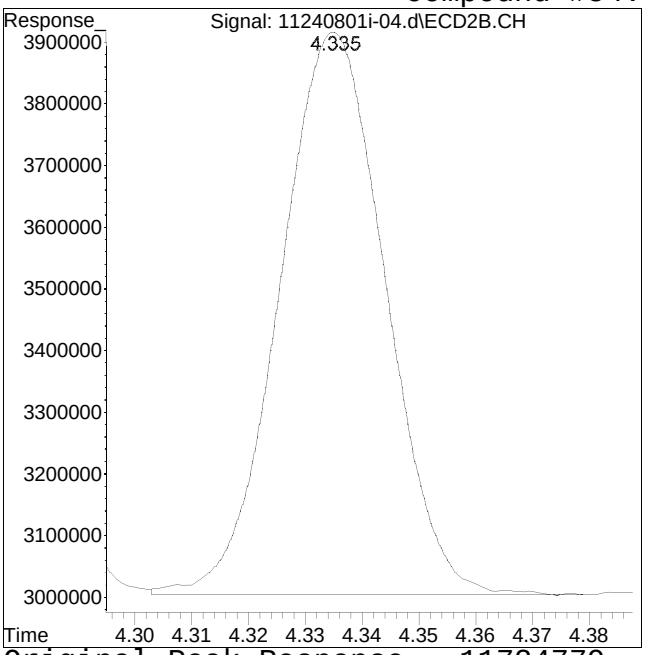
Manual Peak Response = 10476077 M4

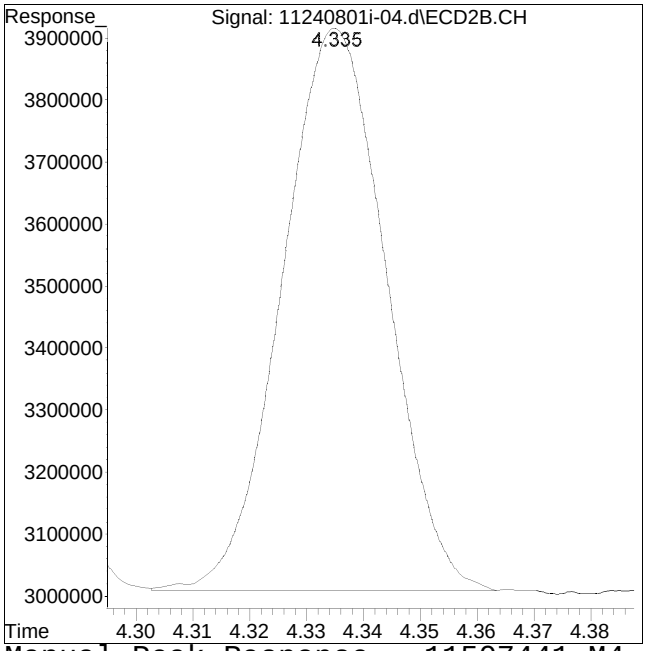
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #54: Endosulfan I #2





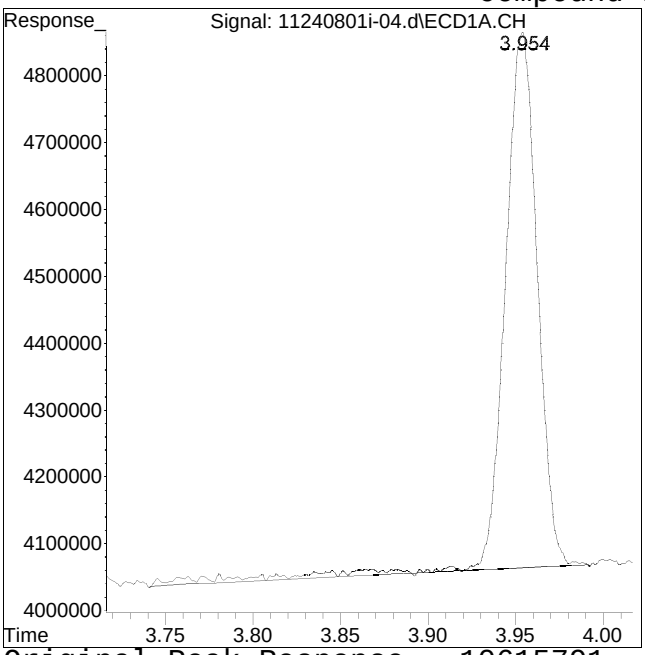
Original Peak Response = 11724779 Manual Peak Response = 11507441 M4
M4 = Poor automated baseline construction.

Manual Integration Report

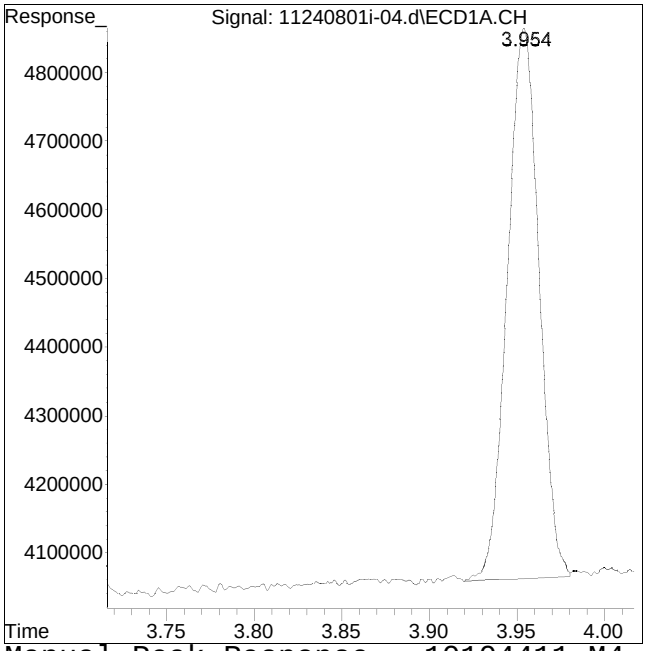
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #17: Dieldrin



Original Peak Response = 10615791



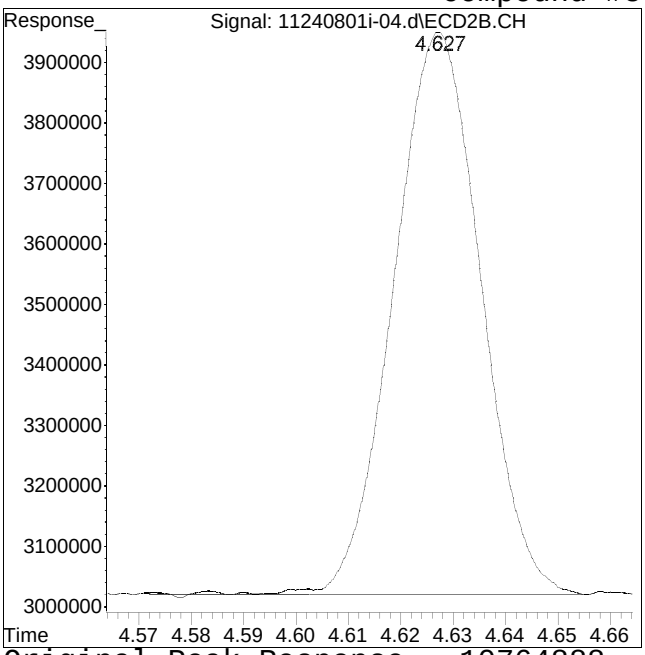
Manual Peak Response = 10104411 M4

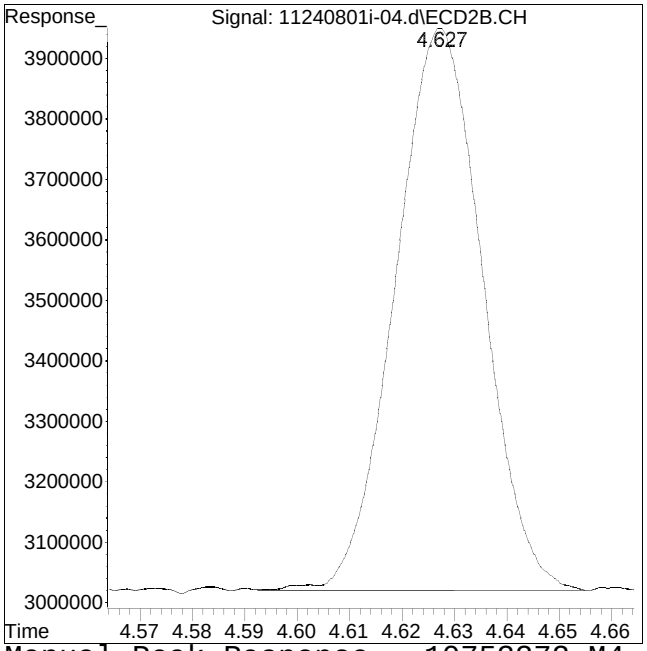
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #55: Dieldrin #2





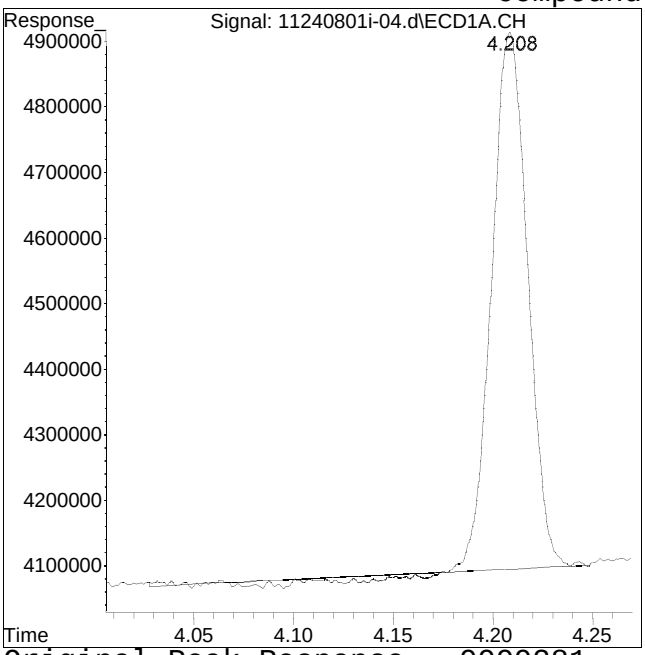
Original Peak Response = 10764888 Manual Peak Response = 10753372 M4
M4 = Poor automated baseline construction.

Manual Integration Report

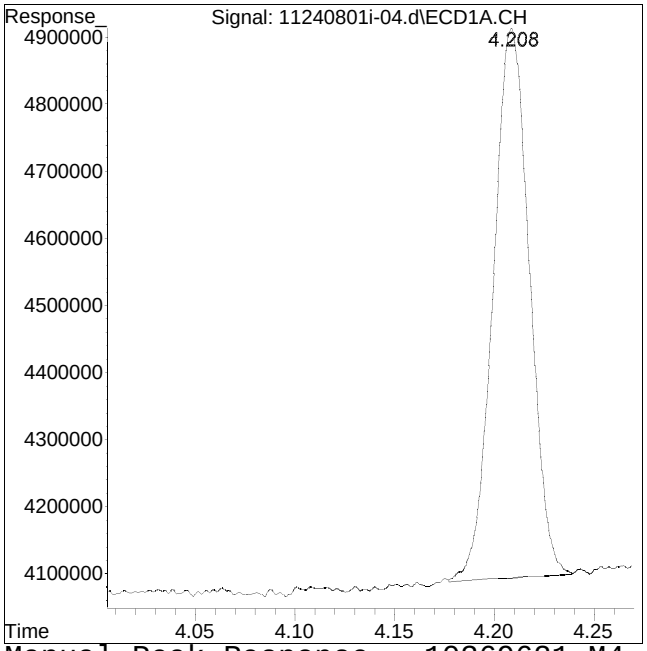
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #18: Endrin



Original Peak Response = 9999281



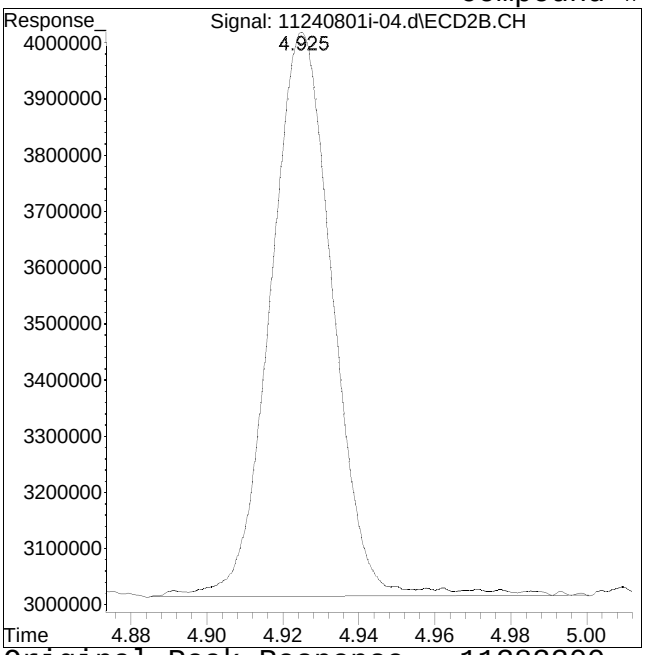
Manual Peak Response = 10369621 M4

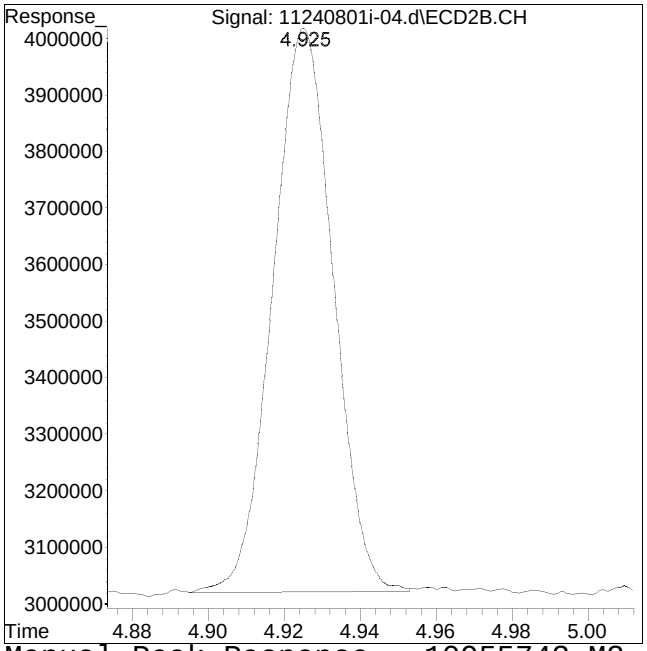
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0 Quant Date : 8/2/2024 11:23 am

Compound #56: Endrin #2





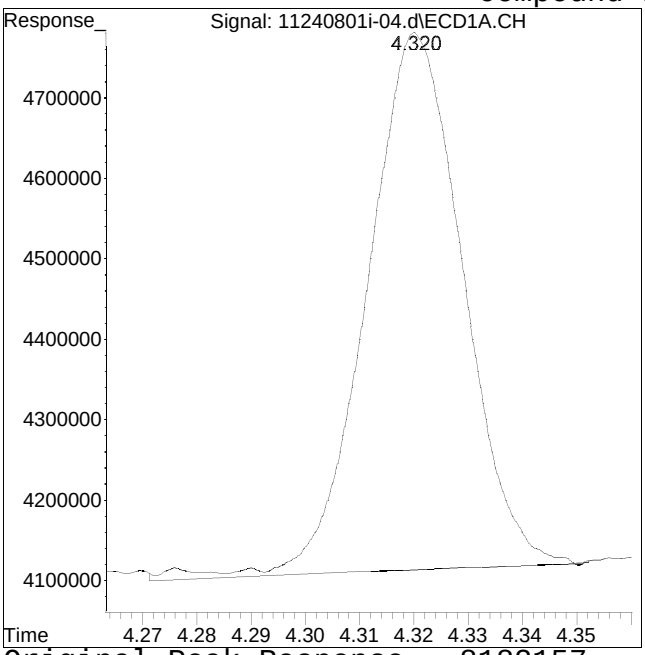
Original Peak Response = 11383300 Manual Peak Response = 10955743 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

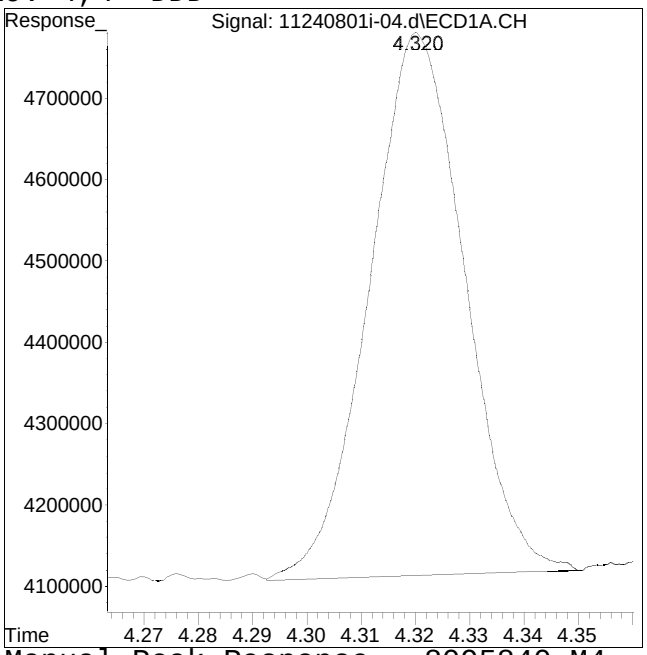
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #19: 4,4'-DDD



Original Peak Response = 8182157



Manual Peak Response = 8095840 M4

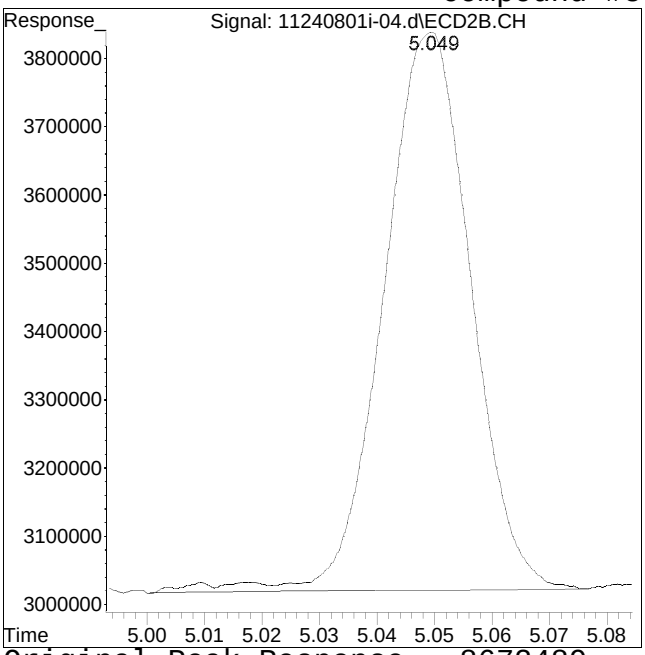
M4 = Poor automated baseline construction.

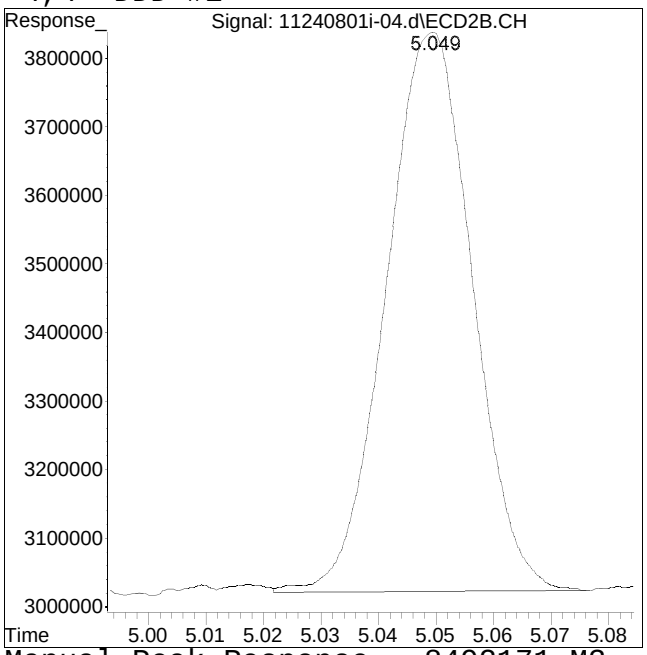
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #57: 4,4'-DDD #2





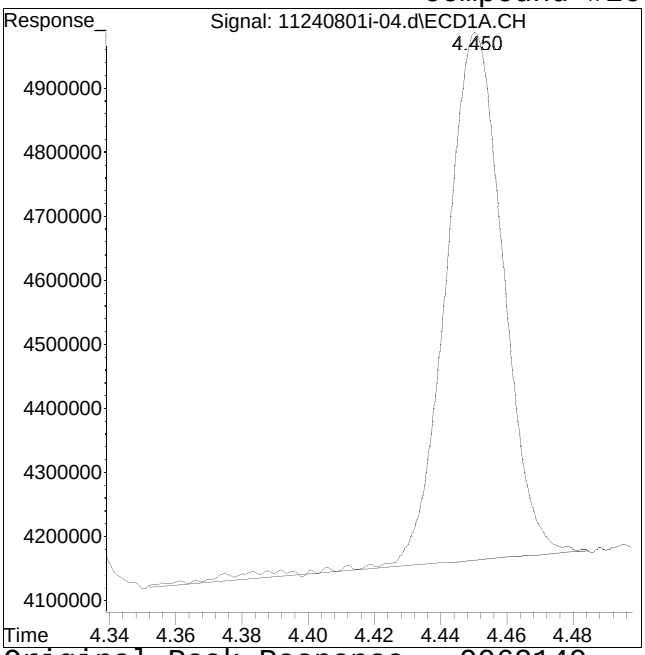
Original Peak Response = 8672489 Manual Peak Response = 8492171 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

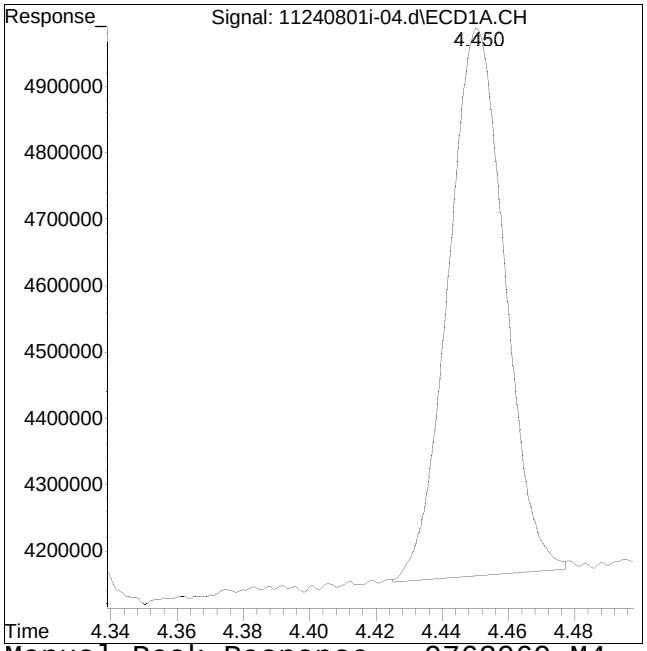
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #20: Endosulfan II



Original Peak Response = 9962149



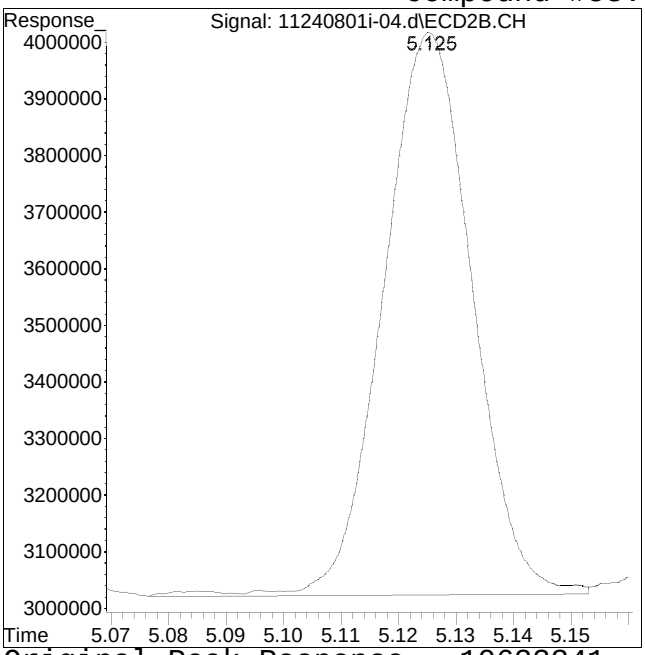
Manual Peak Response = 9763069 M4

M4 = Poor automated baseline construction.

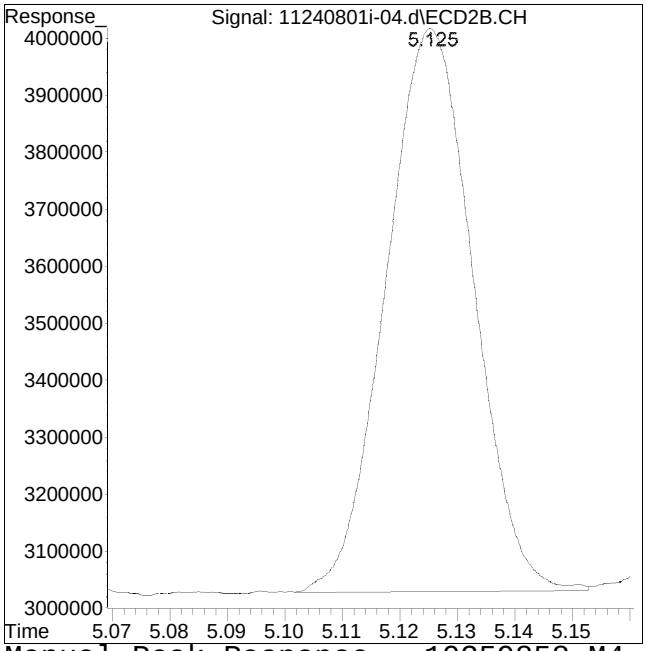
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #58: Endosulfan II #2



Original Peak Response = 10633341



Manual Peak Response = 10359858 M4

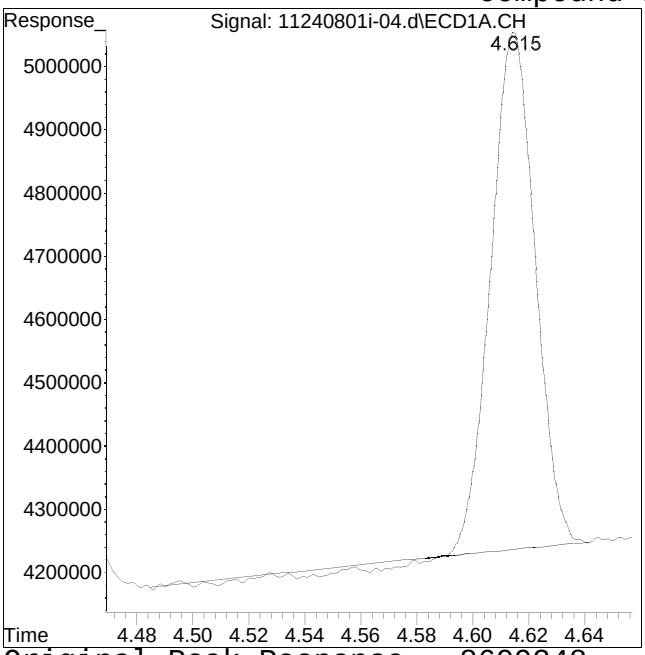
M4 = Poor automated baseline construction.

Manual Integration Report

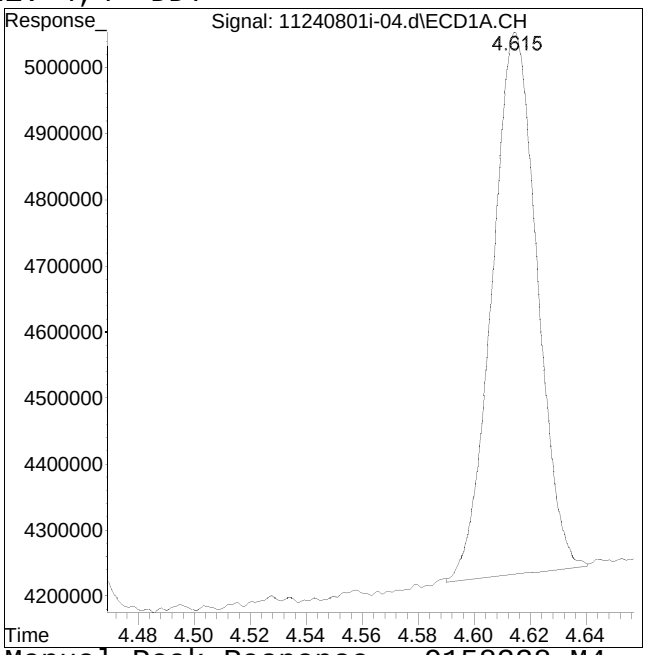
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #21: 4,4'-DDT



Original Peak Response = 8699248



Manual Peak Response = 9158338 M4

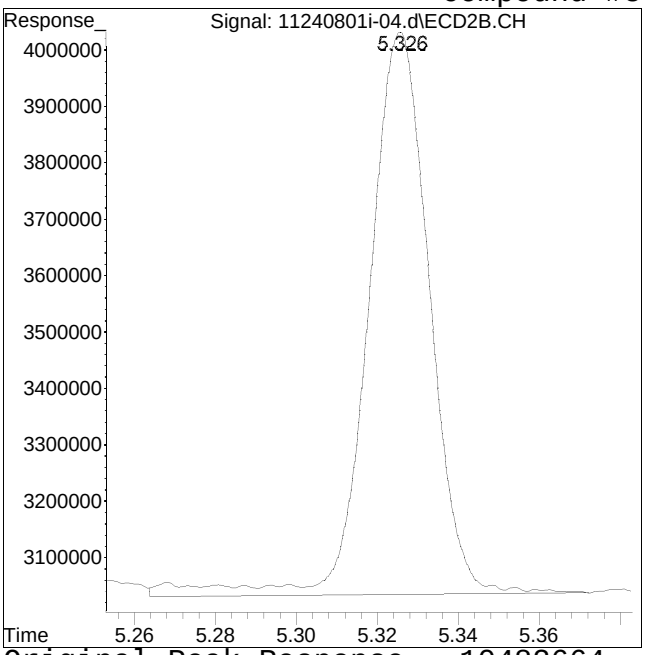
M4 = Poor automated baseline construction.

Manual Integration Report

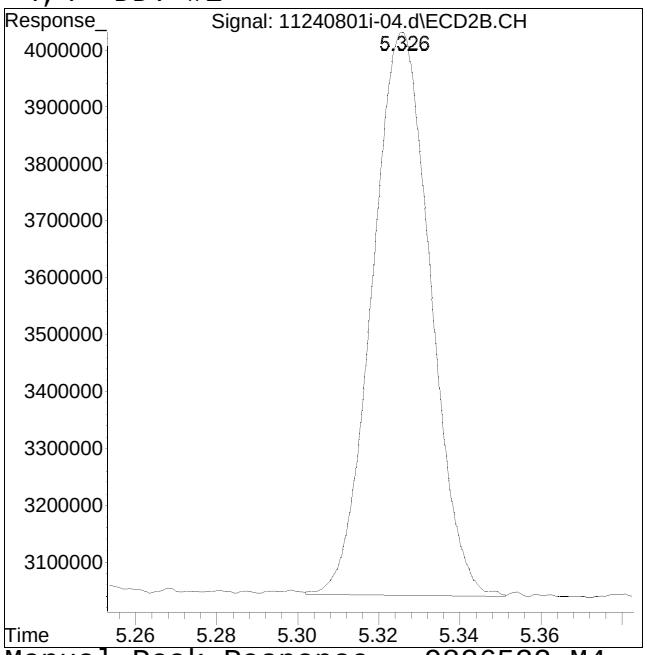
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 10482664



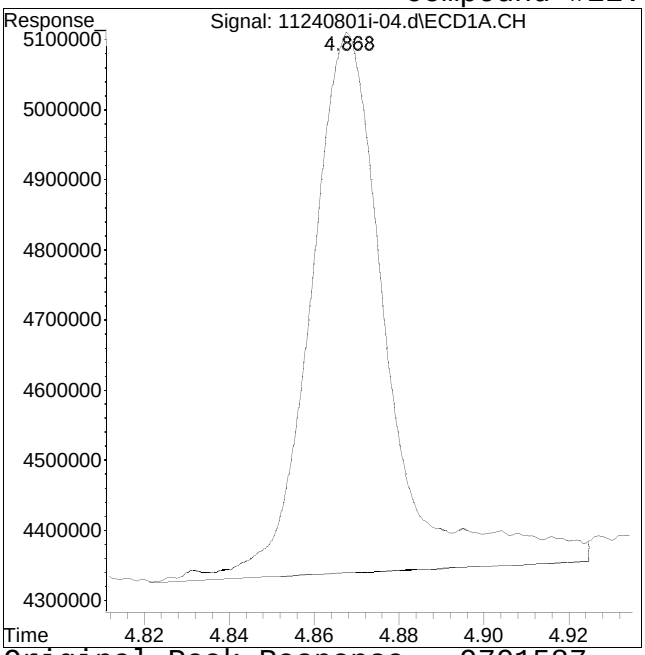
Manual Peak Response = 9826532 M4

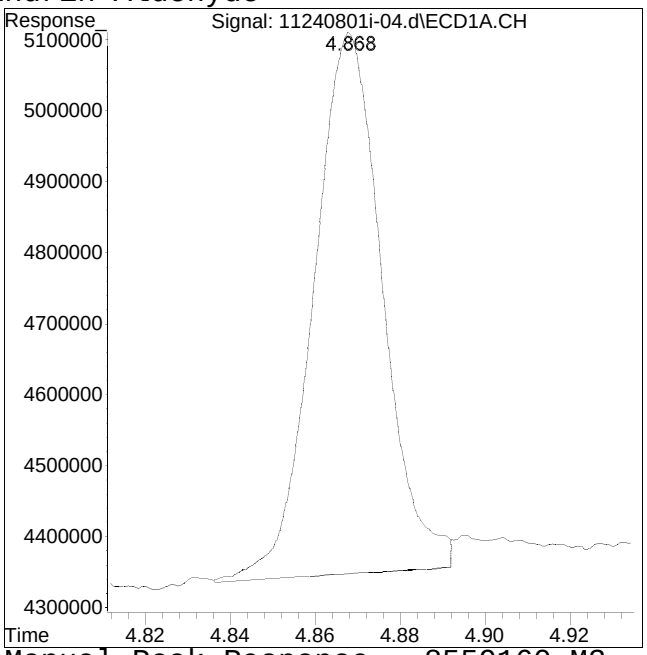
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #22: Endrin Aldehyde





Original Peak Response = 9701587 Manual Peak Response = 8559160 M3

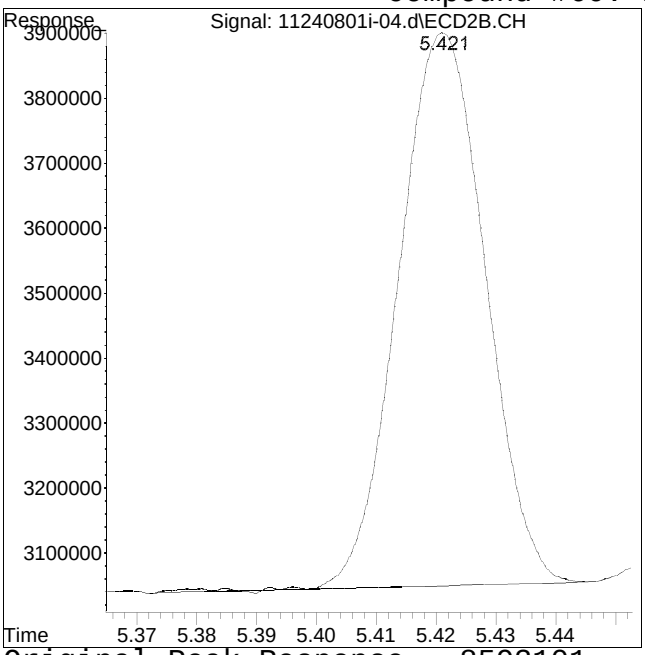
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

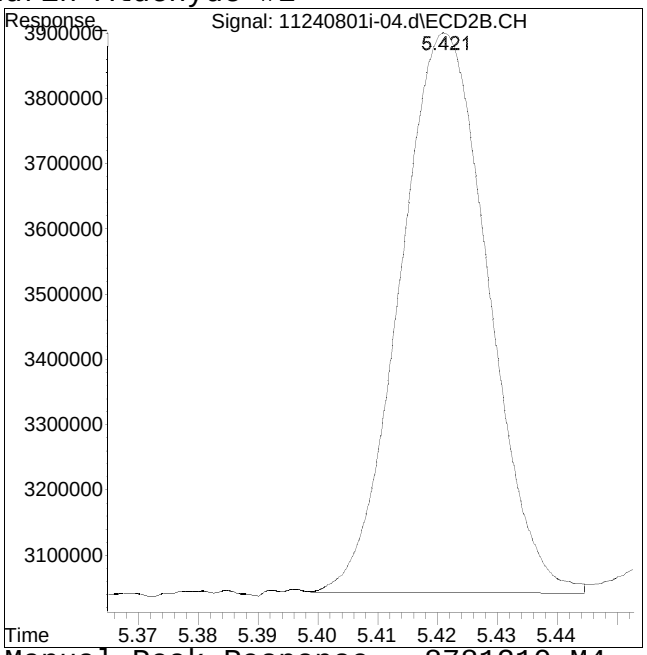
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 8593101



Manual Peak Response = 8781210 M4

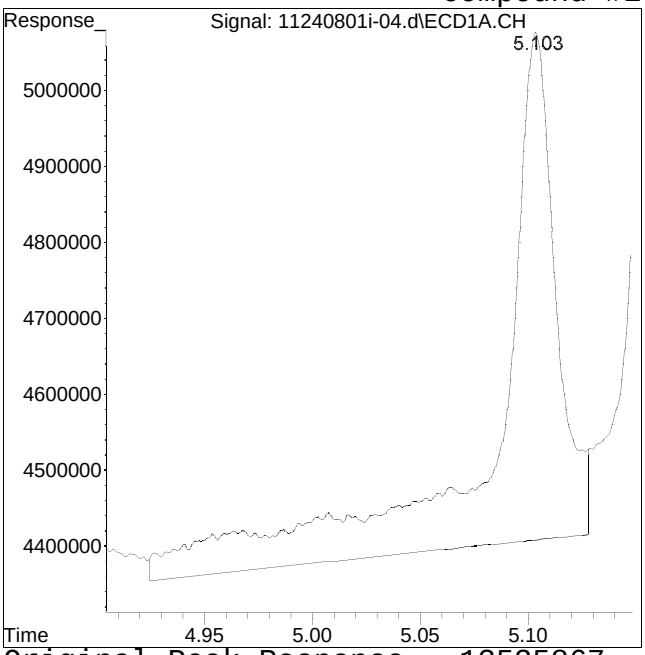
M4 = Poor automated baseline construction.

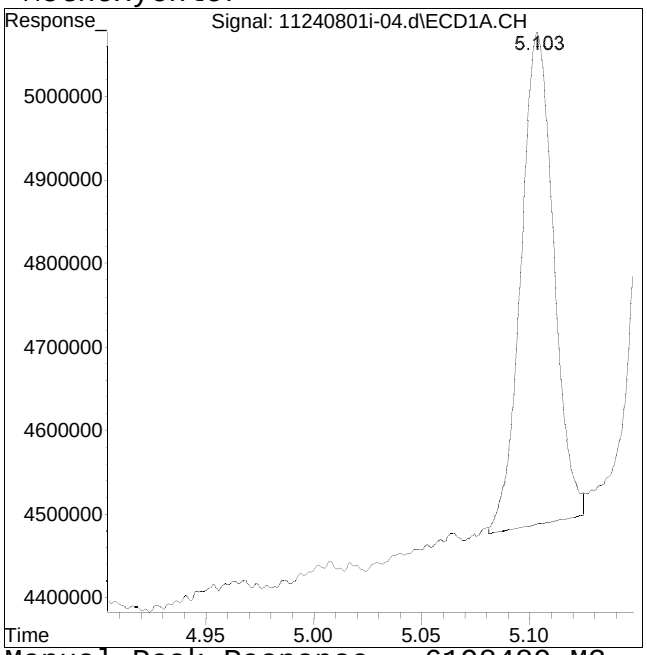
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #23: Methoxychlor





Original Peak Response = 13535867 Manual Peak Response = 6198489 M3

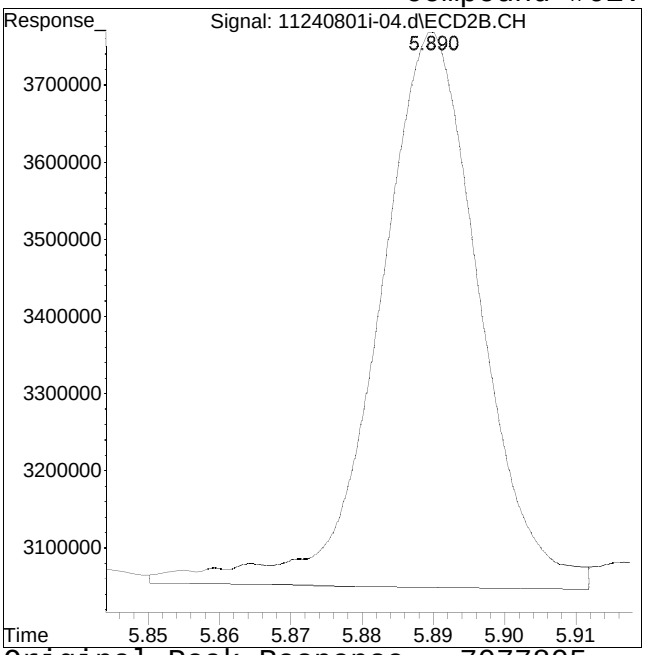
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

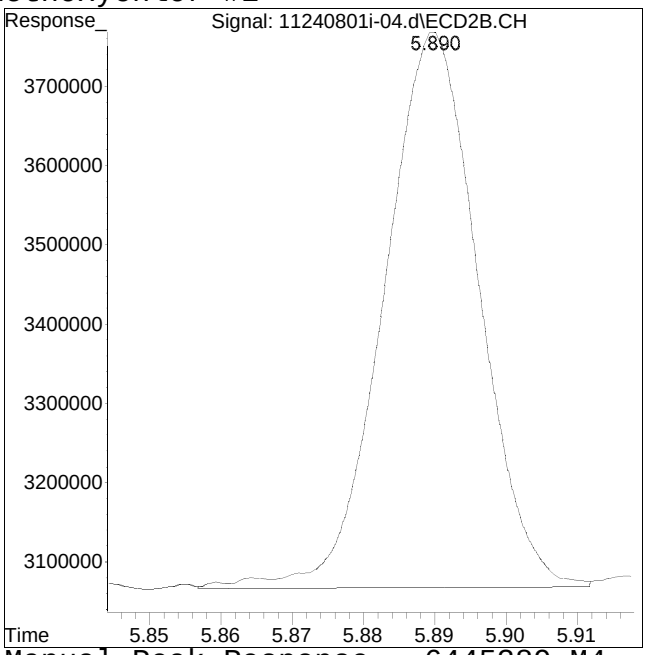
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #61: Methoxychlor #2



Original Peak Response = 7077805



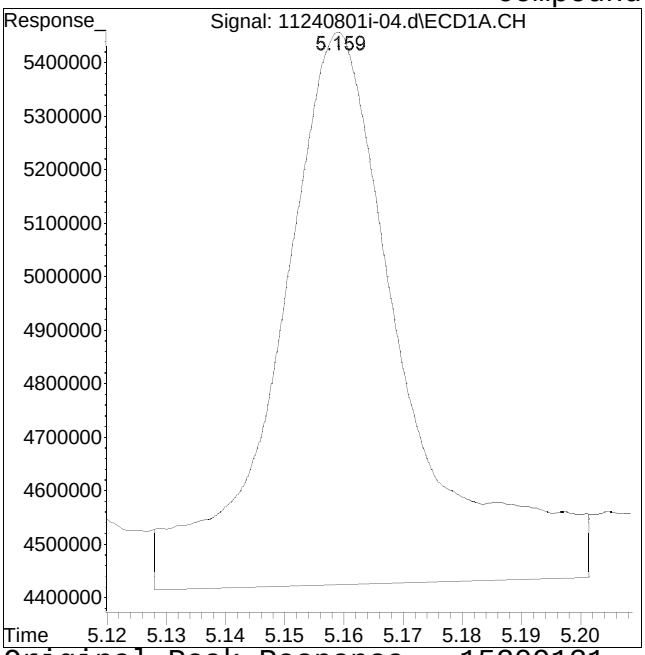
Manual Peak Response = 6445389 M4

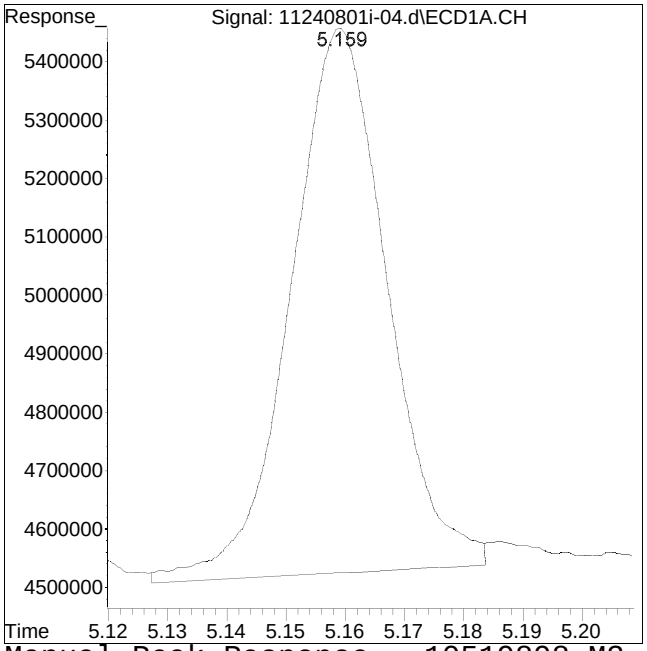
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #24: Mirex





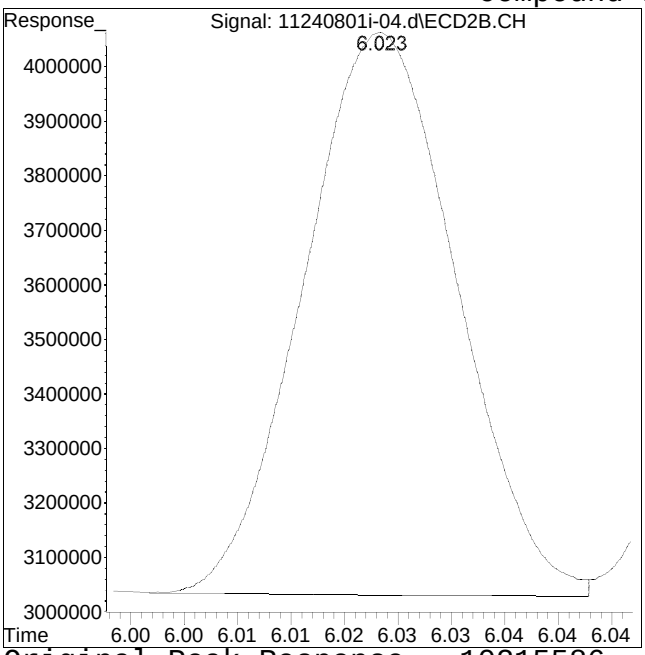
Original Peak Response = 15209131 Manual Peak Response = 10519898 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

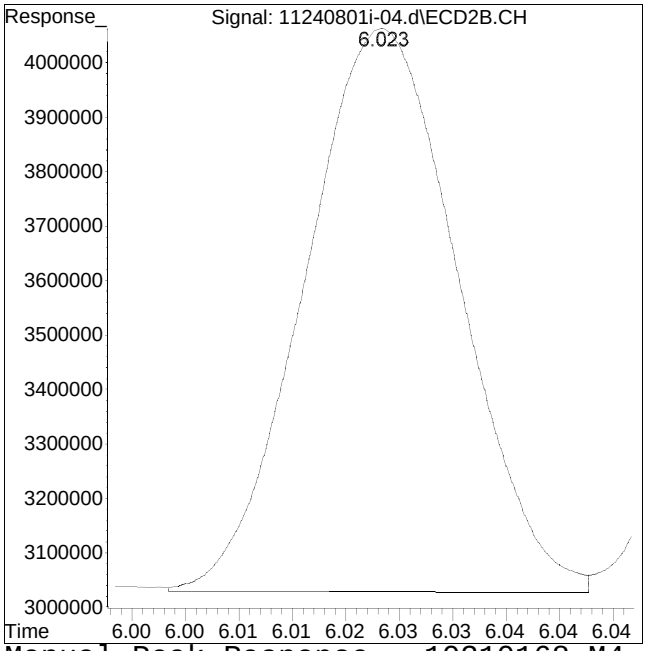
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #62: Mirex #2



Original Peak Response = 10215586



Manual Peak Response = 10310168 M4

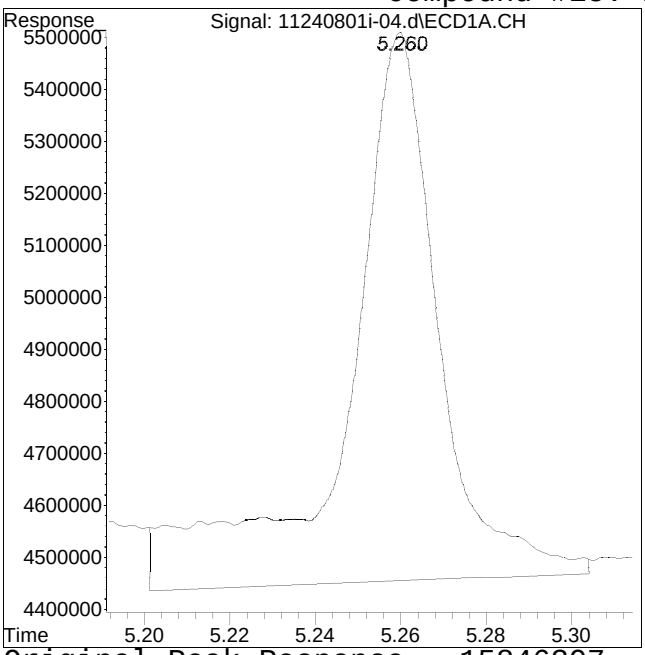
M4 = Poor automated baseline construction.

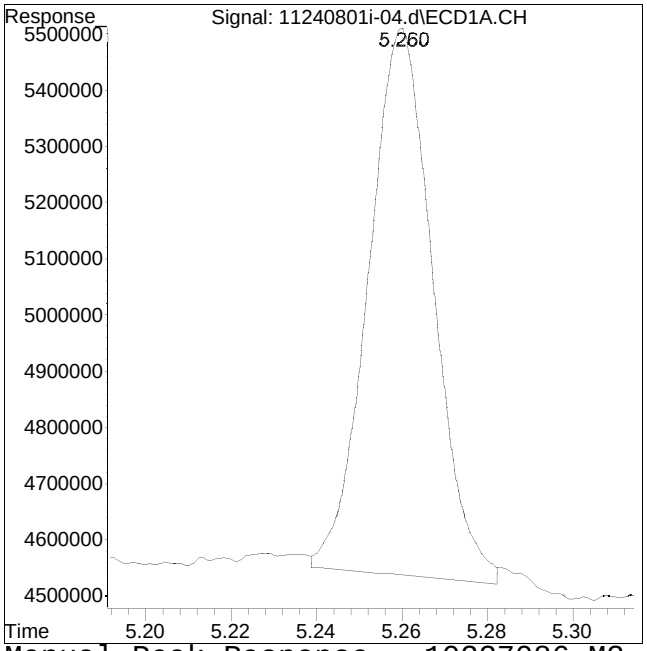
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 15846397 Manual Peak Response = 10237086 M3

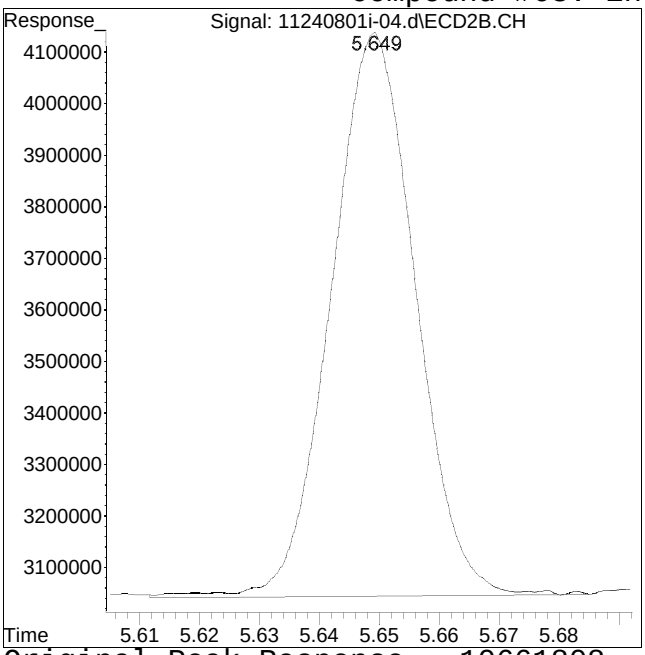
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

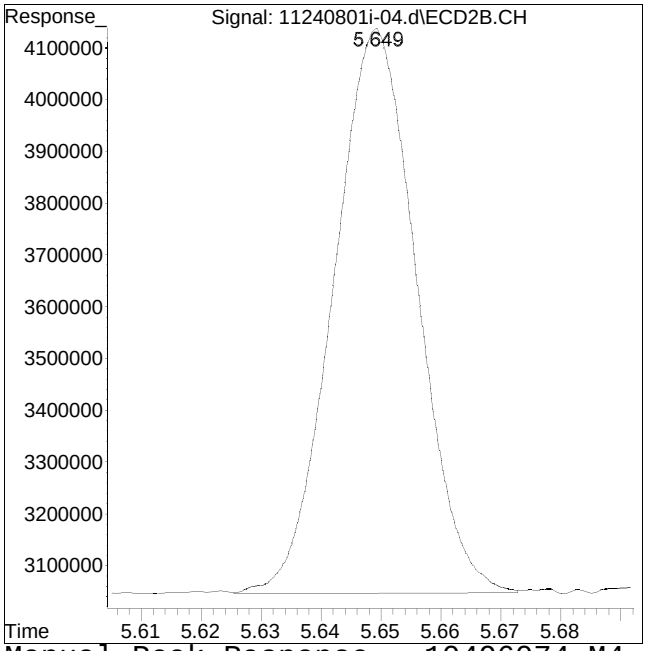
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 10661808



Manual Peak Response = 10496074 M4

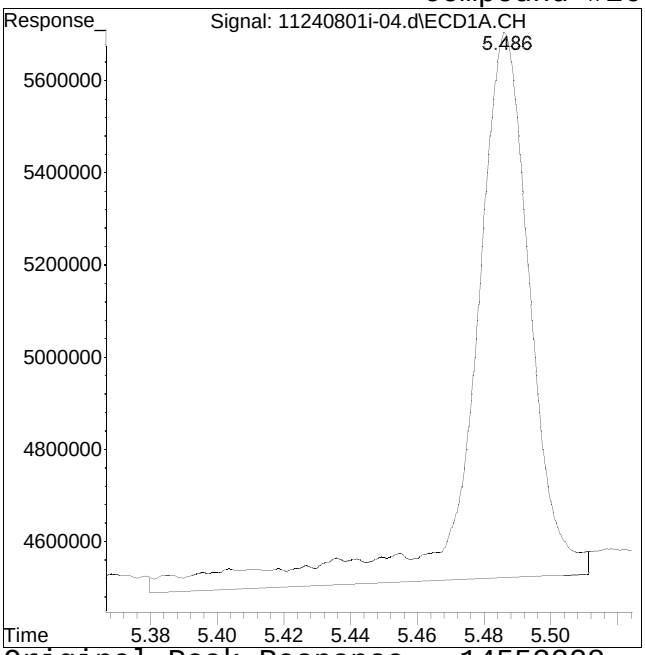
M4 = Poor automated baseline construction.

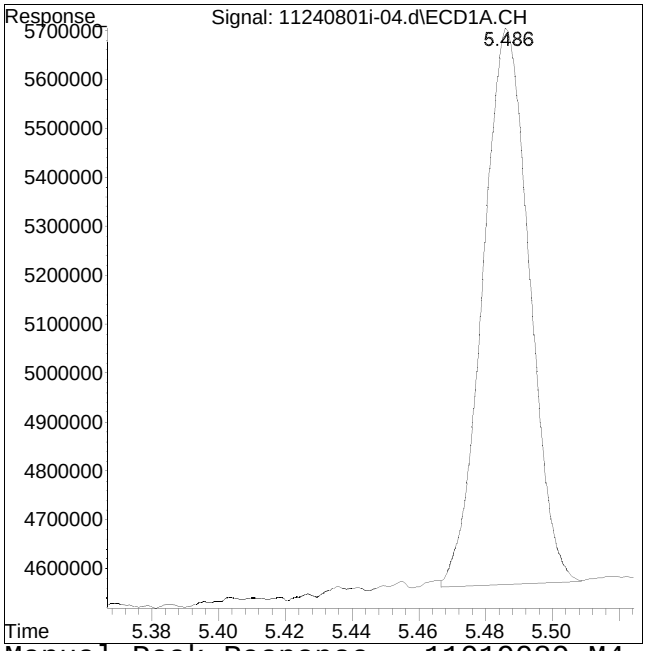
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #26: Endrin Ketone





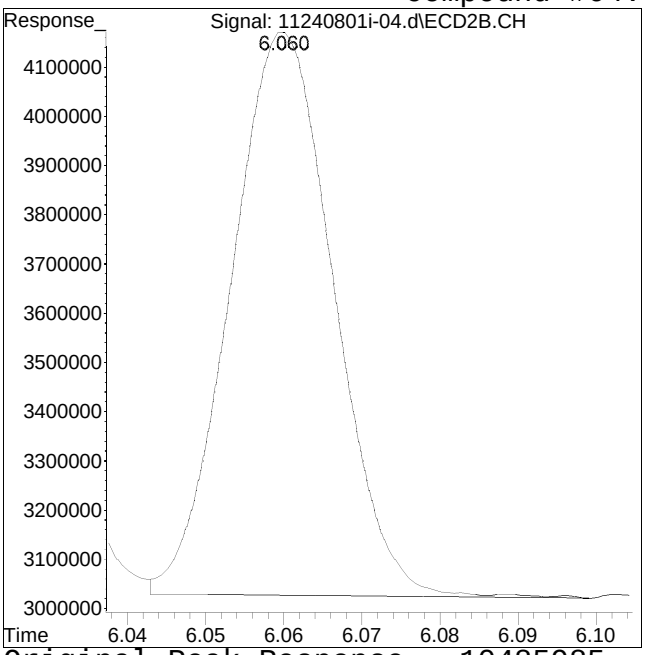
Original Peak Response = 14553228 Manual Peak Response = 11019089 M4
M4 = Poor automated baseline construction.

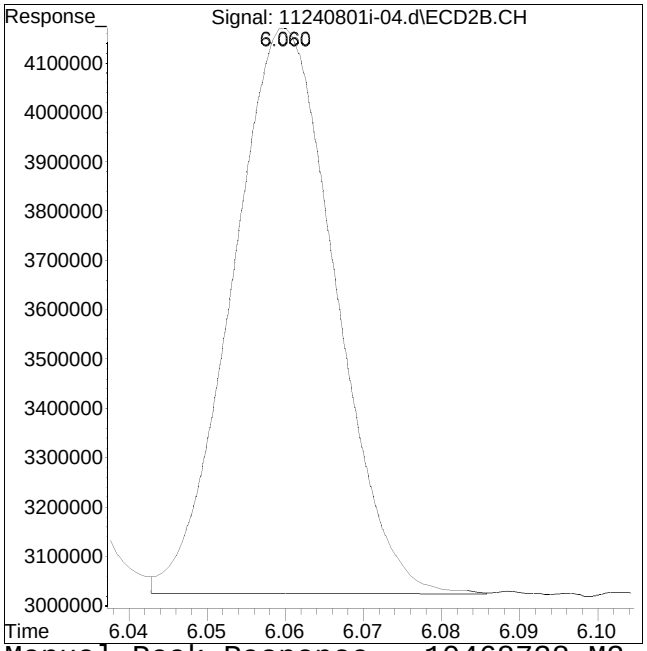
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #64: Endrin Ketone #2





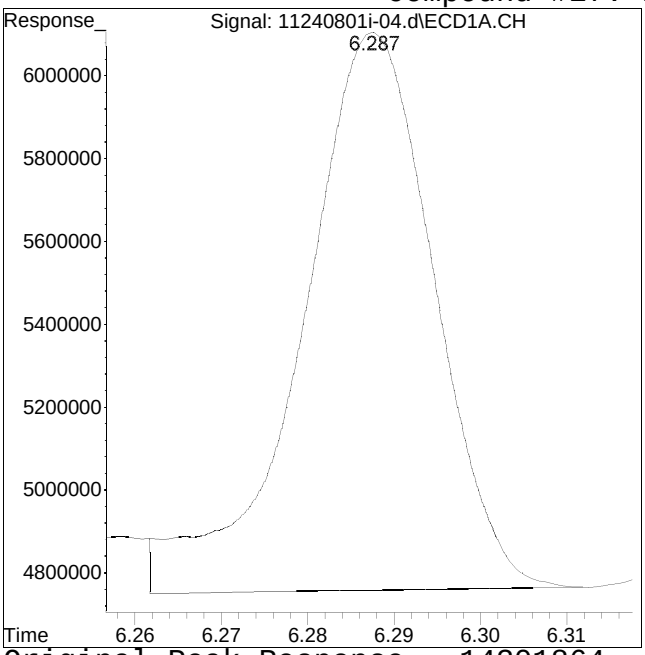
Original Peak Response = 10485985 Manual Peak Response = 10468738 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

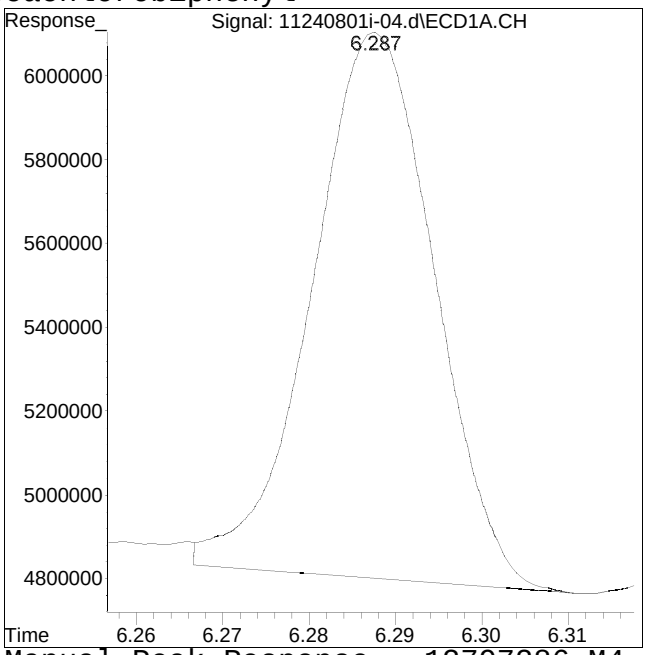
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-04.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 18:49 Instrument : Pest 11
Sample : il2pest,42e,,pp 11686 L0.0Quant Date : 8/2/2024 11:23 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 14301864



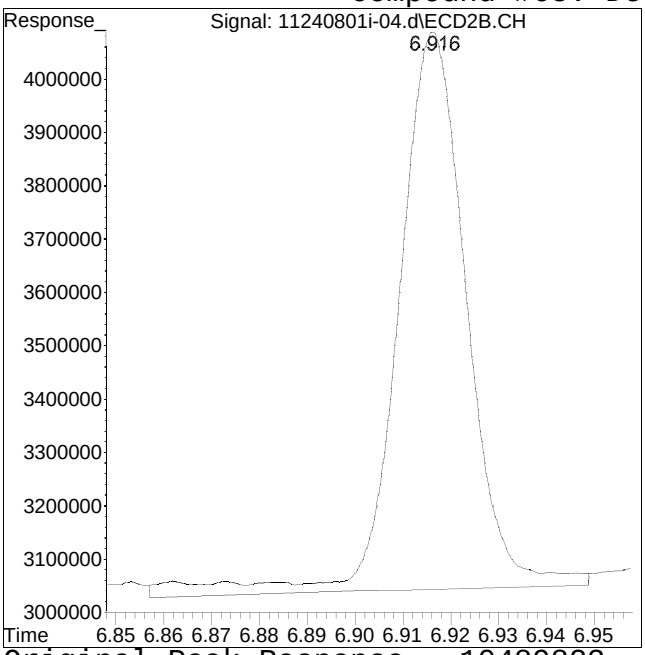
Manual Peak Response = 12797286 M4

M4 = Poor automated baseline construction.

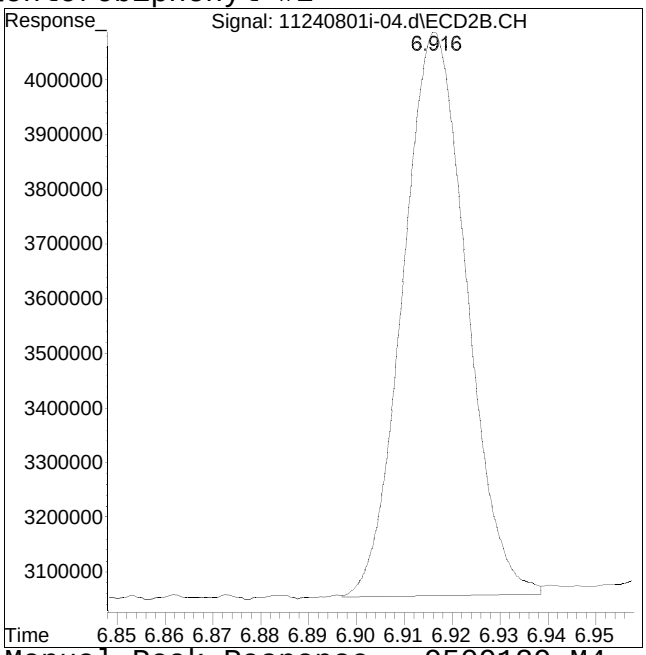
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-04.d
Date Inj'd : 8/1/2024 18:49
Sample : il2pest,42e,,pp 11686 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:23 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 10489823



Manual Peak Response = 9509129 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	233.6E6	183.3E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	19656914	17683979	2.037M4	2.218M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.07%#	4.44%#
27) s	Decachlorobi	6.288	6.921	24597164	17880278	2.363M4	2.415M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.73%#	4.83%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.177	28232919	20378901	2.202M4	2.341M4
4) t	alpha-BHC	1.963	2.270	24776337	22916880	1.763M3	1.910M4
5) t	gamma-BHC (l	2.165	2.556	24518590	22225331	1.860M4	2.012M4
6) t	beta-BHC	2.221	2.622	12371613	12076597	2.144M4	2.433M4
7) t	delta-BHC	2.349	2.889	23489321	22105919	1.784M4	1.978
8) t	Heptachlor	2.513	2.951	24704645	25240850	2.000M3	2.217M4
9) t	Aldrin	2.755	3.270	22221712	21532475	1.906M3	2.069M4
10) t	Alachlor	2.876	3.153	4616058	4291521	2.172M4	2.624M4
11) t	Chlorpyrifos	2.968	3.506	12587779	16060949	2.339M4	2.633M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	22577234	23119137	2.042M3	2.290M4
13)	t	gamma-Chlord	3.425	4.104	20000923	21362303	1.986M3	2.301M3
14)	t	alpha-Chlord	3.559	4.274	22560782	23123524	1.977M4	2.254M4
15)	t	4,4'-DDE	3.656	4.472	21256749	19930567	1.878	2.035M4
16)	t	Endosulfan I	3.695	4.335	20979786	21644513	2.011	2.297M4
17)	t	Dieldrin	3.954	4.627	20608823	20372093	1.919M4	2.128M4
18)	t	Endrin	4.209	4.926	21154040	20698754	1.945M4	2.132
19)	t	4,4'-DDD	4.321	5.049	16433727	16195802	1.862M4	2.053M4
20)	t	Endosulfan I	4.451	5.125	19856372	19658239	2.017M4	2.284M4
21)	t	4,4'-DDT	4.615	5.325	19330578	18980554	1.925M4	2.092M3
22)	t	Endrin Aldeh	4.868	5.421	16609803	16584125	2.012M4	2.309M4
23)	t	Methoxychlor	5.104	5.890	11871688	11964320	2.204M4	2.443M3
24)	t	Mirex	5.159	6.024	19186744	19029253	2.220M4	2.566M4
25)	t	Endosulfan S	5.259	5.649	19345504	19598268	2.080M3	2.317M4
26)	t	Endrin Keton	5.487	6.060	22428996	20121740	2.028M4	2.235M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

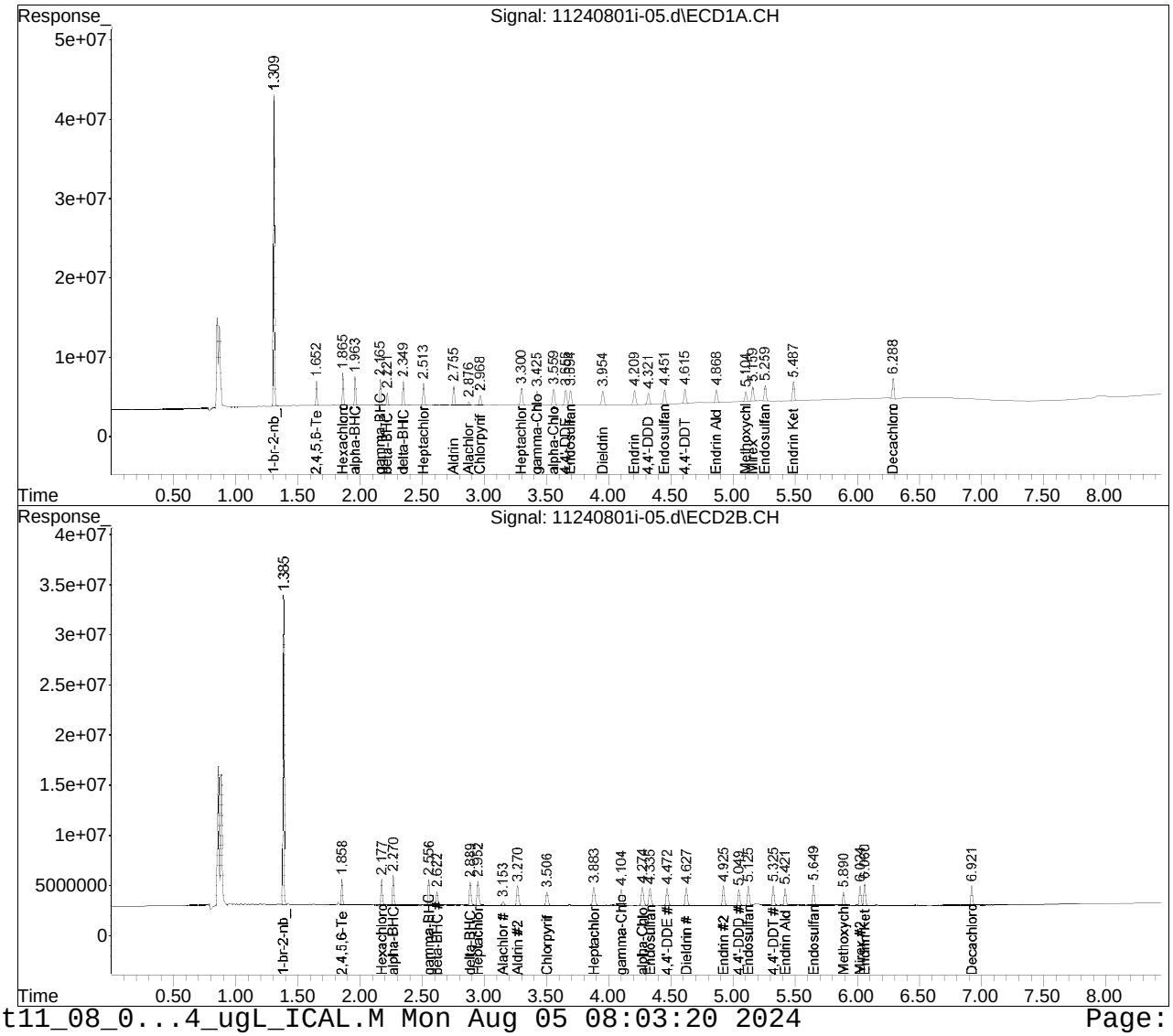
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:01
Operator : PEST11:ejl
Sample : il3pest,42e,,pp 11685 L0.002
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:14:19 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:14:10 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

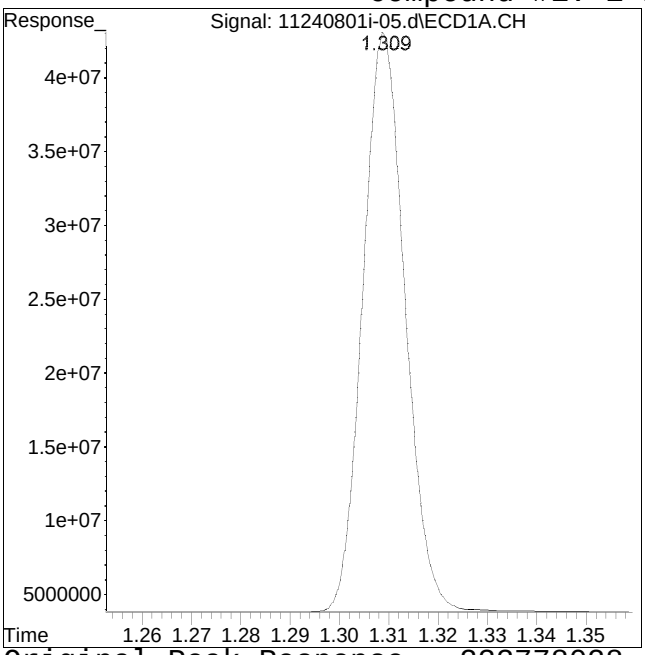


Manual Integration Report

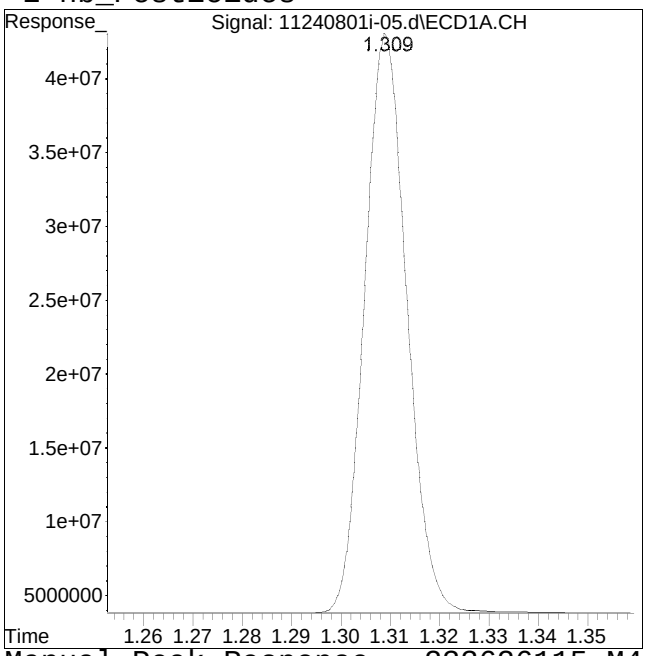
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 233778028



Manual Peak Response = 233626115 M4

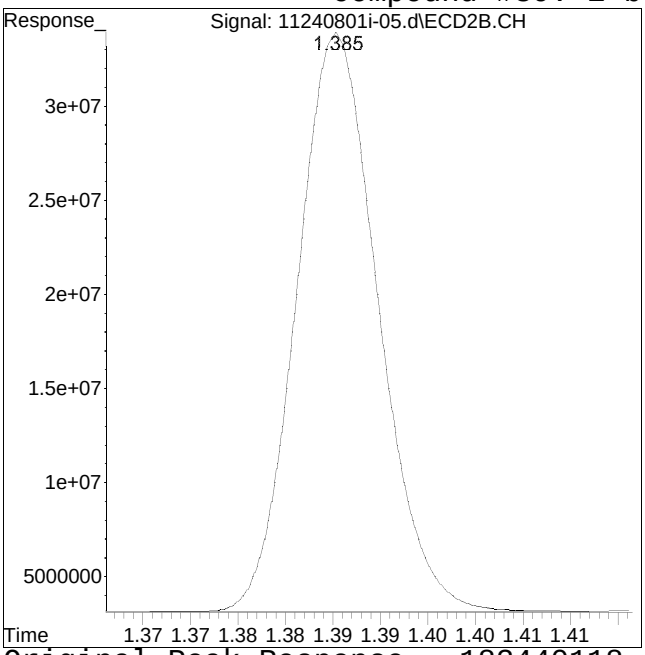
M4 = Poor automated baseline construction.

Manual Integration Report

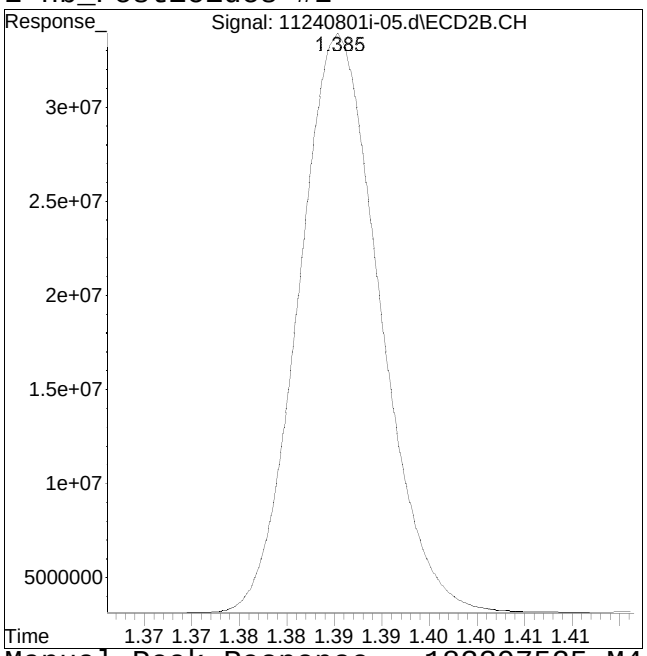
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 183440118



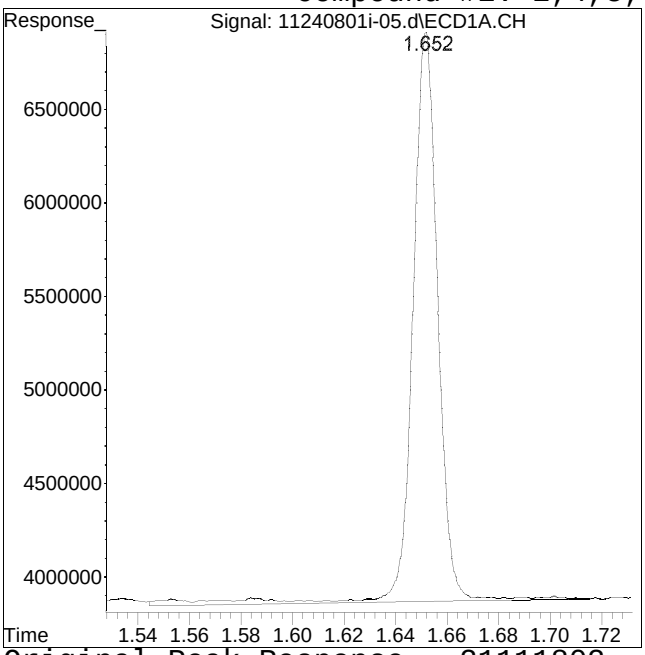
Manual Peak Response = 183307525 M4

M4 = Poor automated baseline construction.

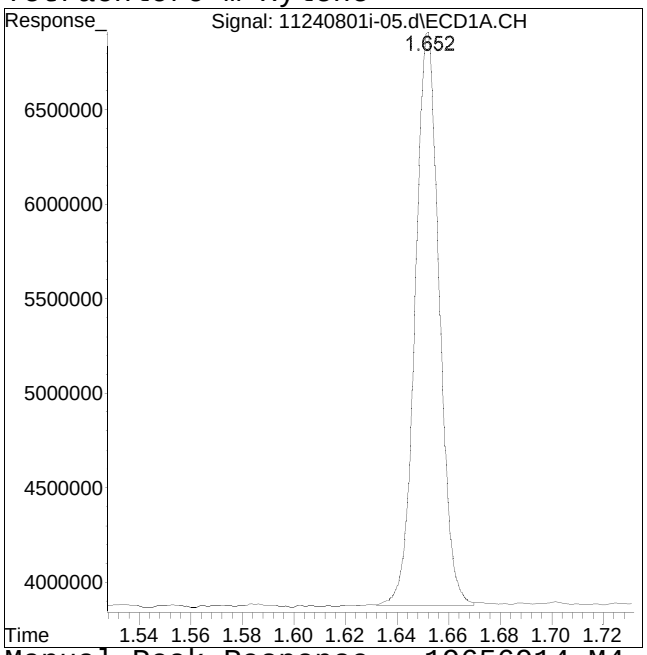
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 21111802



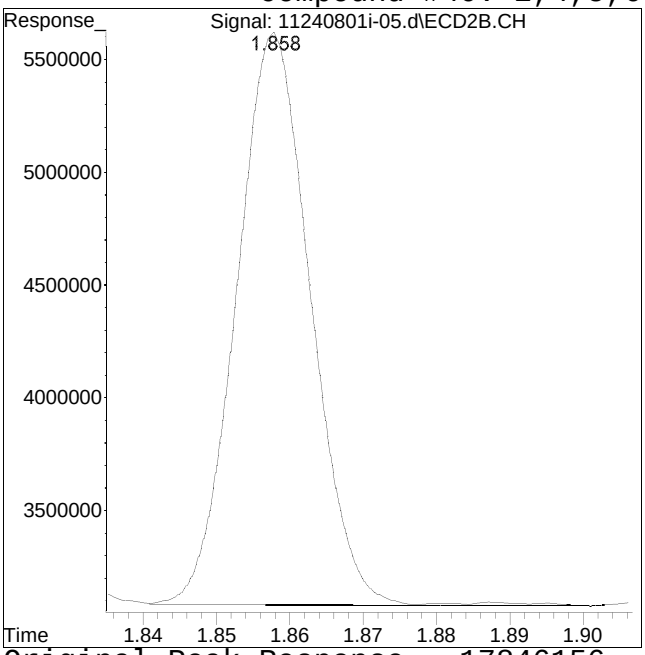
Manual Peak Response = 19656914 M4

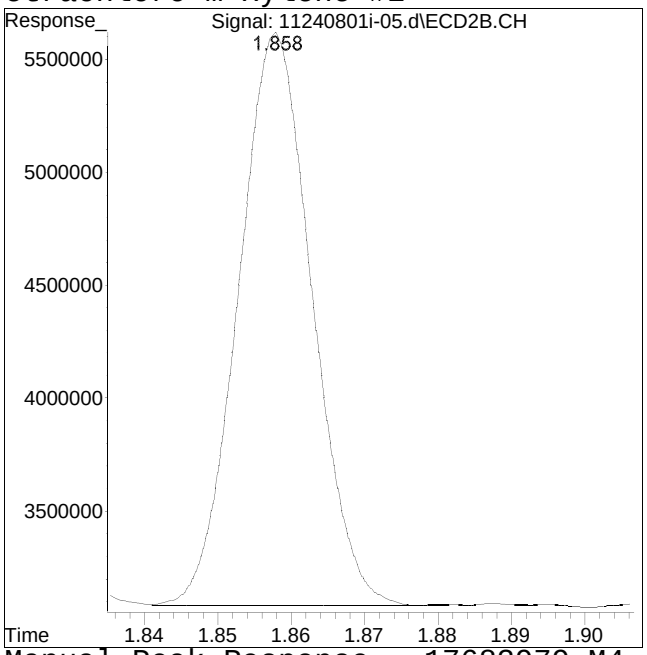
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



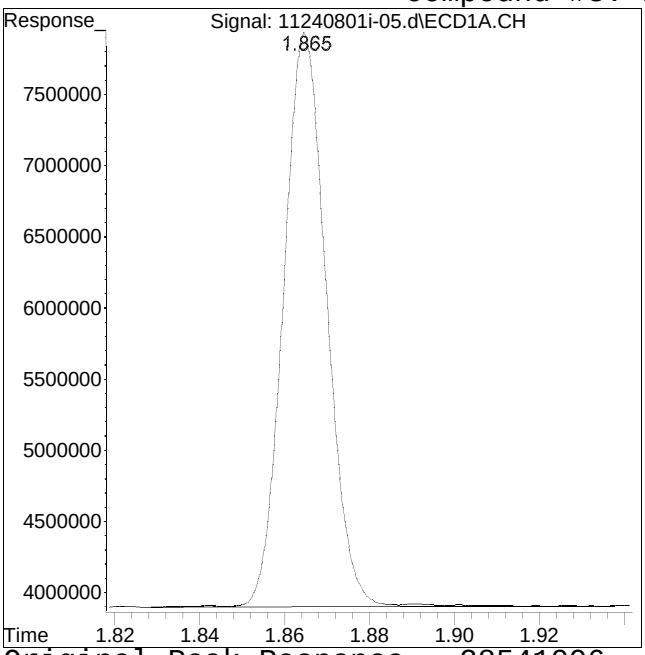


Original Peak Response = 17846156 Manual Peak Response = 17683979 M4
M4 = Poor automated baseline construction.

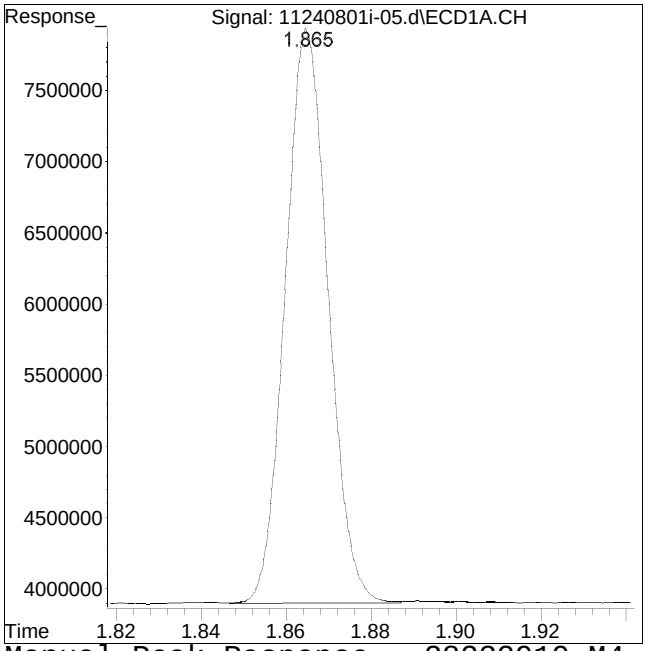
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #3: Hexachlorobenzene



Original Peak Response = 28541096



Manual Peak Response = 28232919 M4

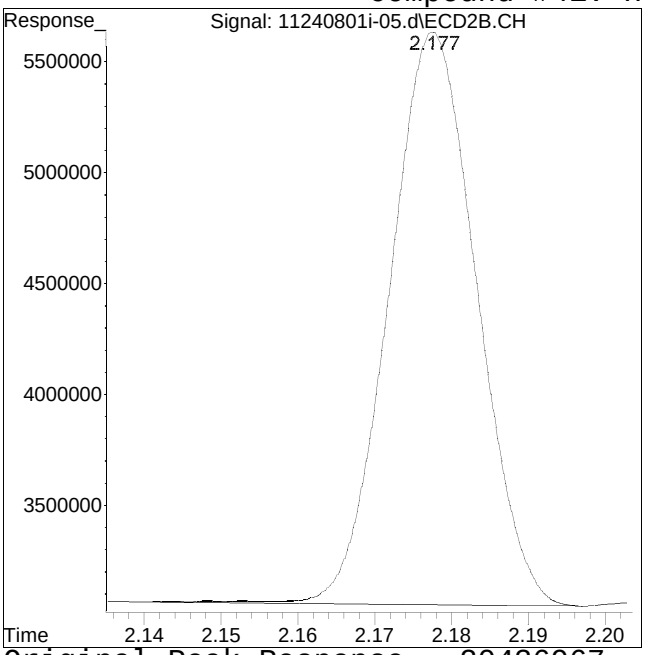
M4 = Poor automated baseline construction.

Manual Integration Report

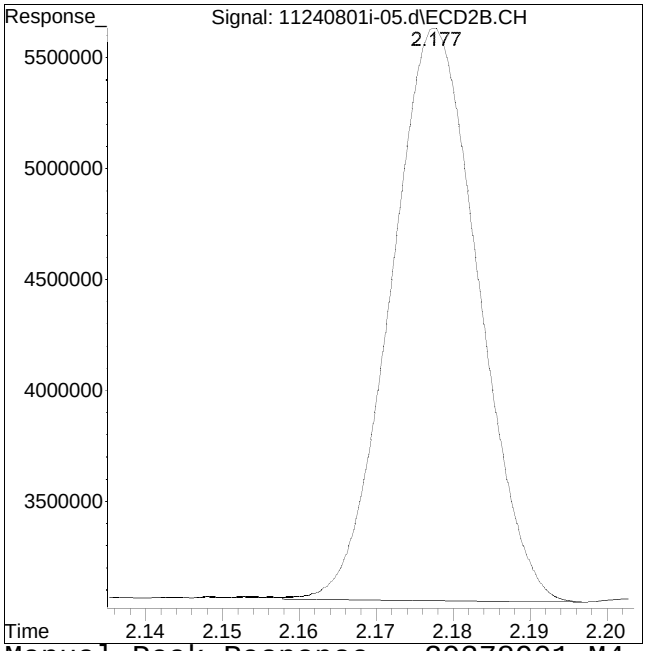
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 20436967



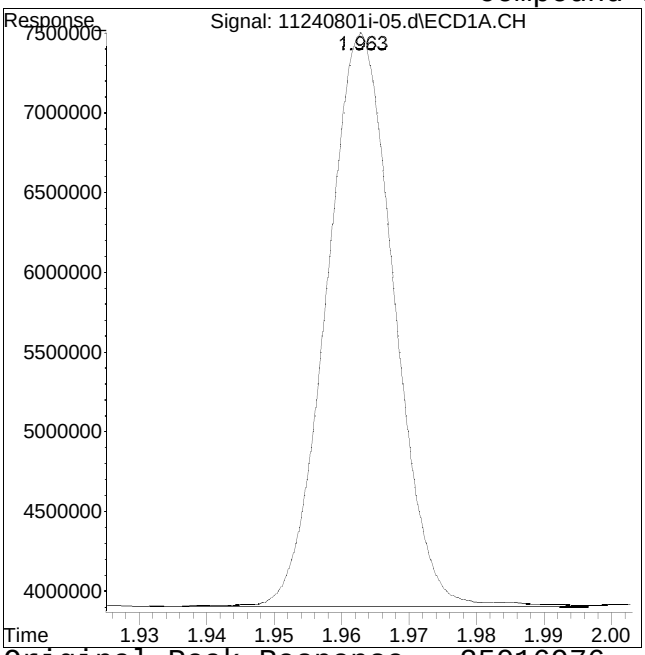
Manual Peak Response = 20378901 M4

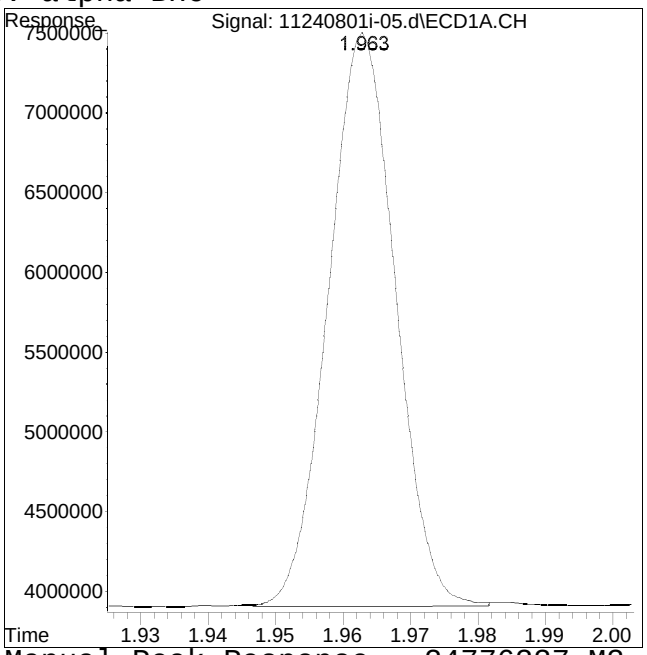
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0 Quant Date : 8/2/2024 11:14 am

Compound #4: alpha-BHC



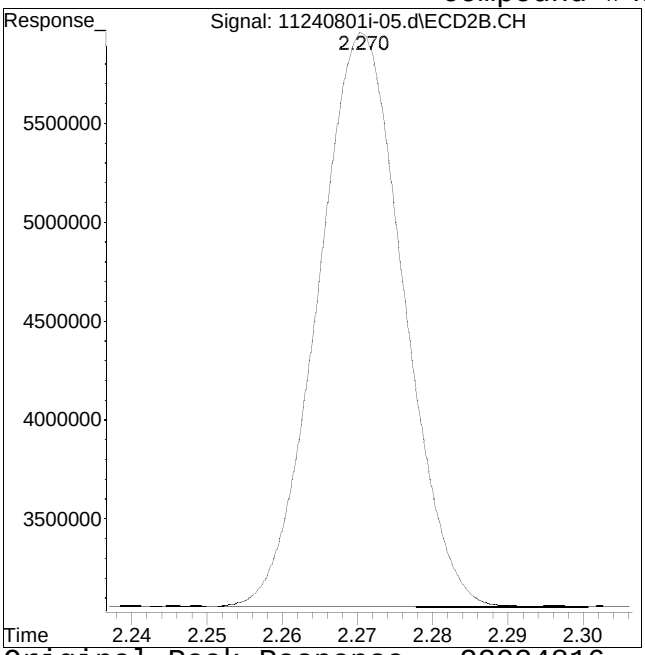


Original Peak Response = 25016976 Manual Peak Response = 24776337 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

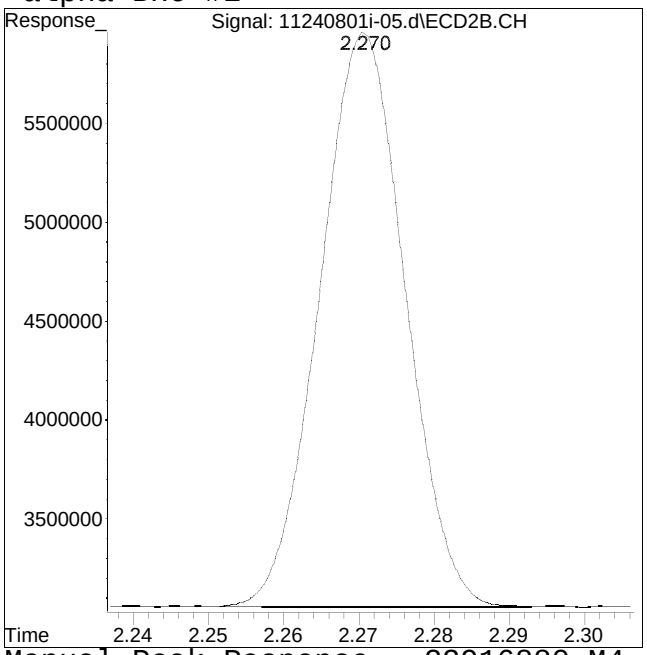
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0 Quant Date : 8/2/2024 11:14 am

Compound #42: alpha-BHC #2



Original Peak Response = 22924816



Manual Peak Response = 22916880 M4

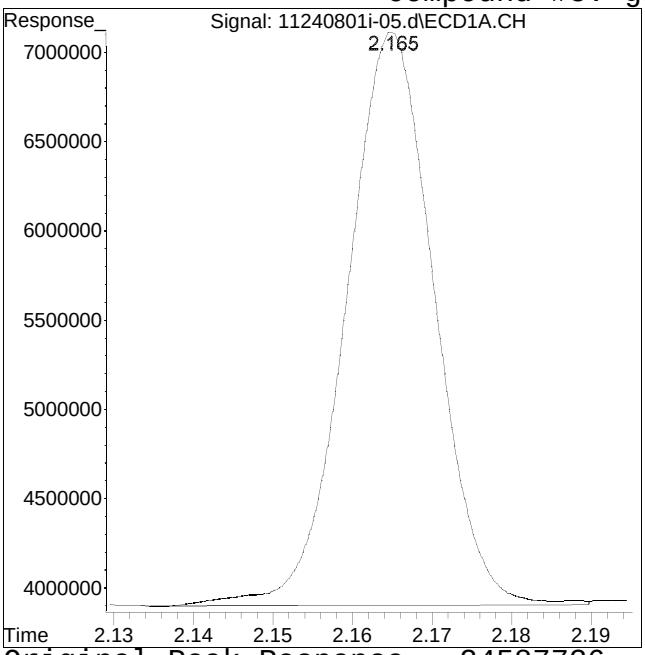
M4 = Poor automated baseline construction.

Manual Integration Report

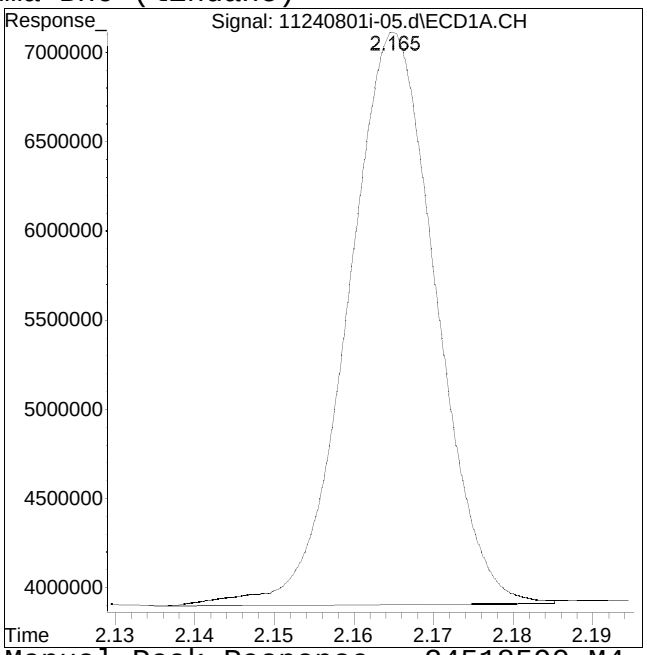
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 24587736



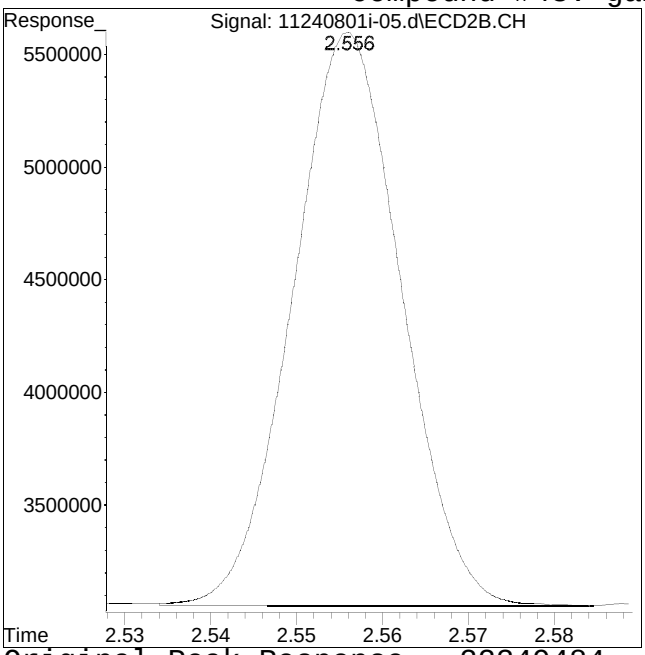
Manual Peak Response = 24518590 M4

M4 = Poor automated baseline construction.

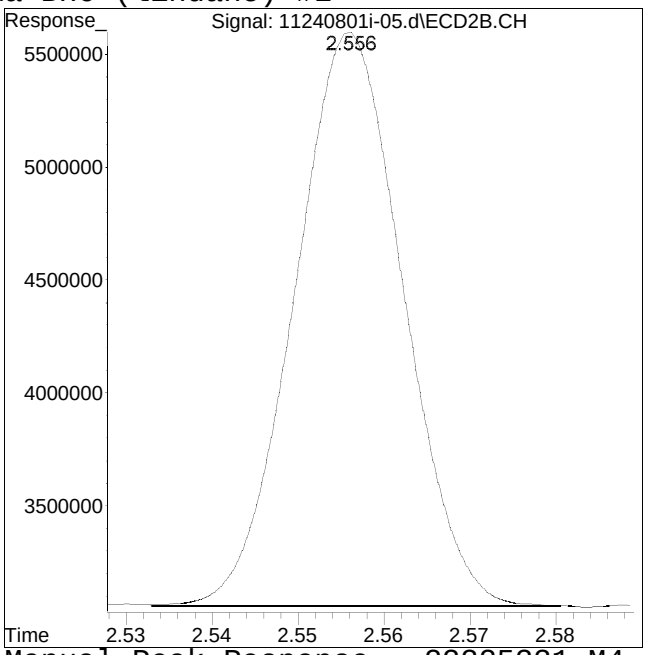
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 22349484



Manual Peak Response = 22225331 M4

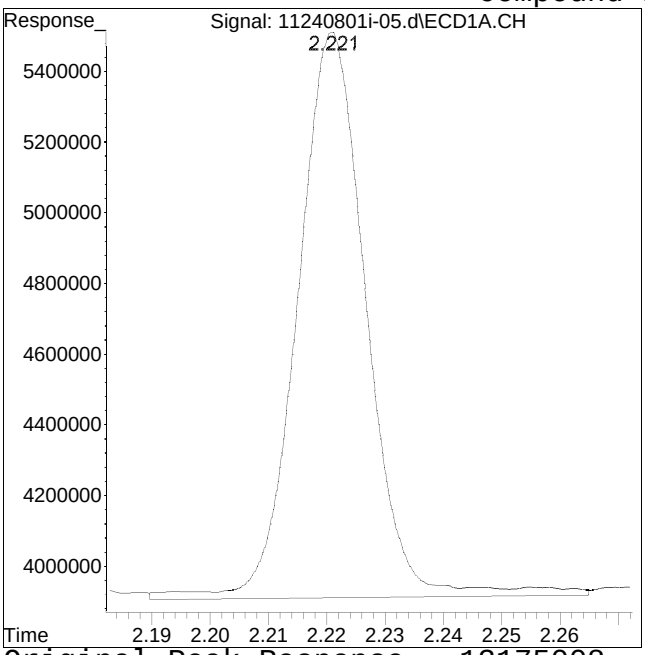
M4 = Poor automated baseline construction.

Manual Integration Report

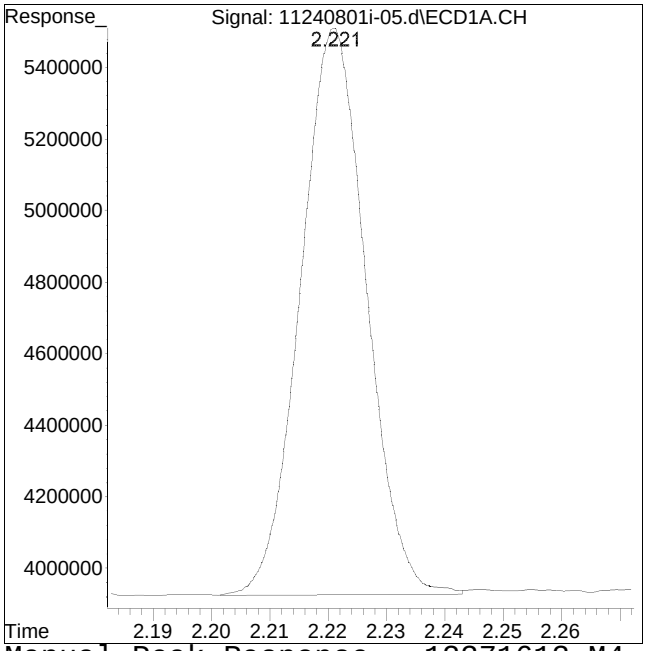
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #6: beta-BHC



Original Peak Response = 13175008



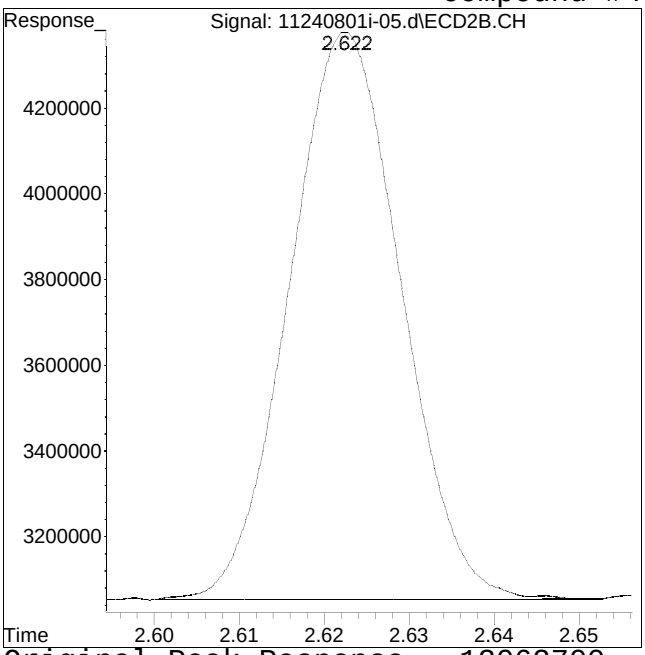
Manual Peak Response = 12371613 M4

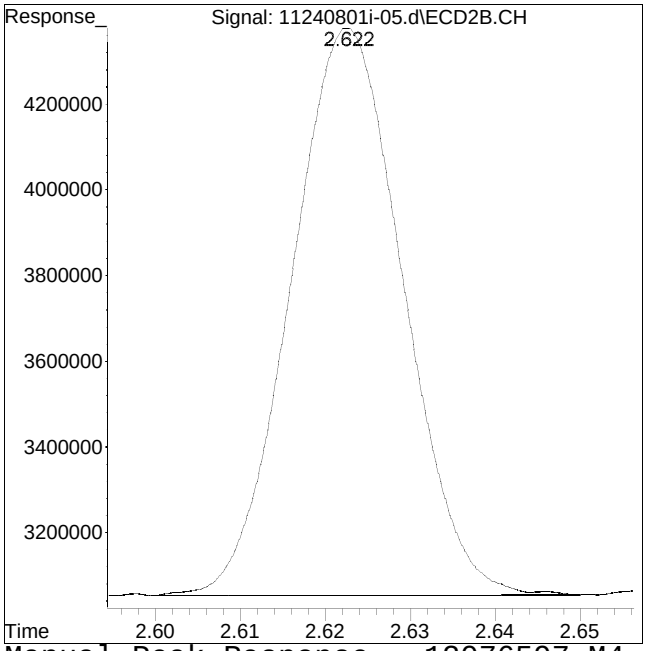
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #44: beta-BHC #2



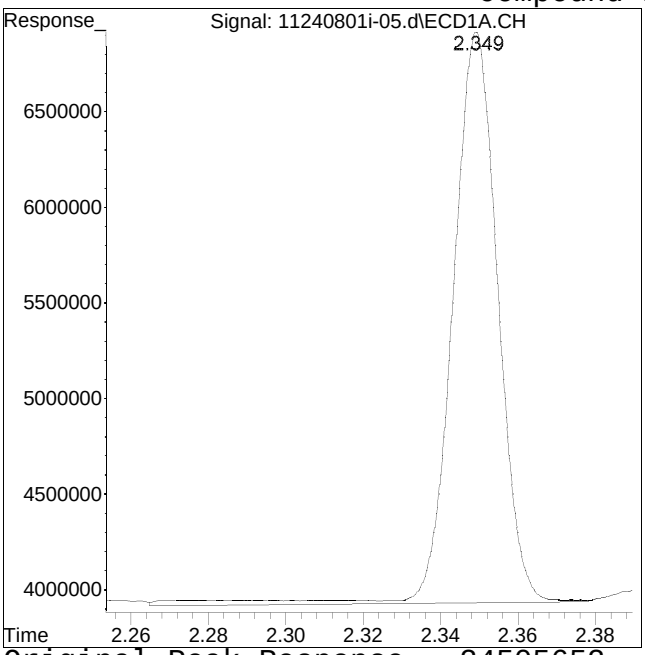


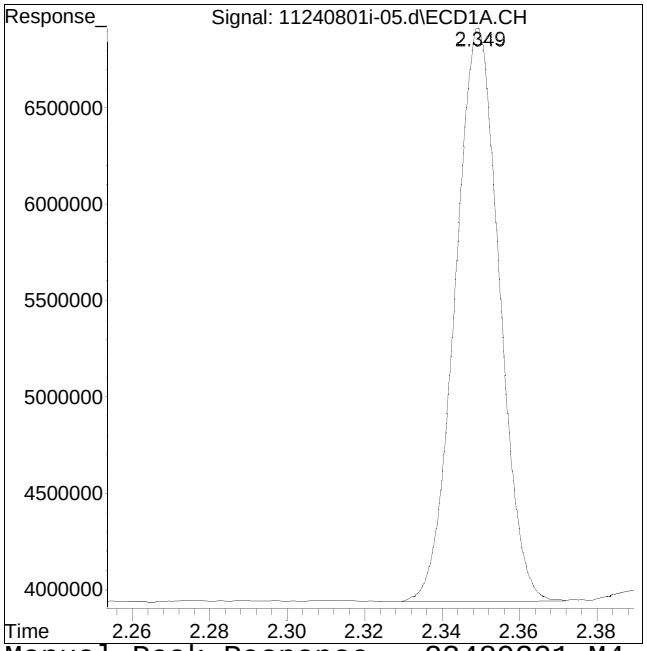
Original Peak Response = 12062700 Manual Peak Response = 12076597 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #7: delta-BHC



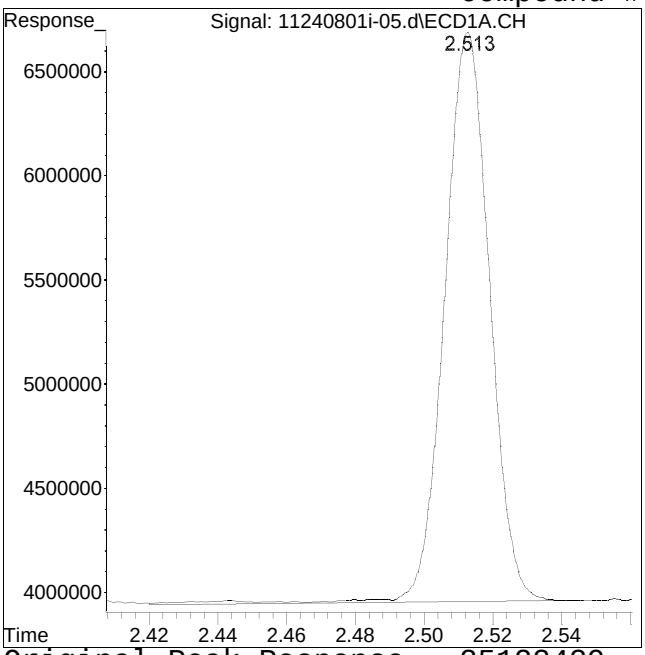


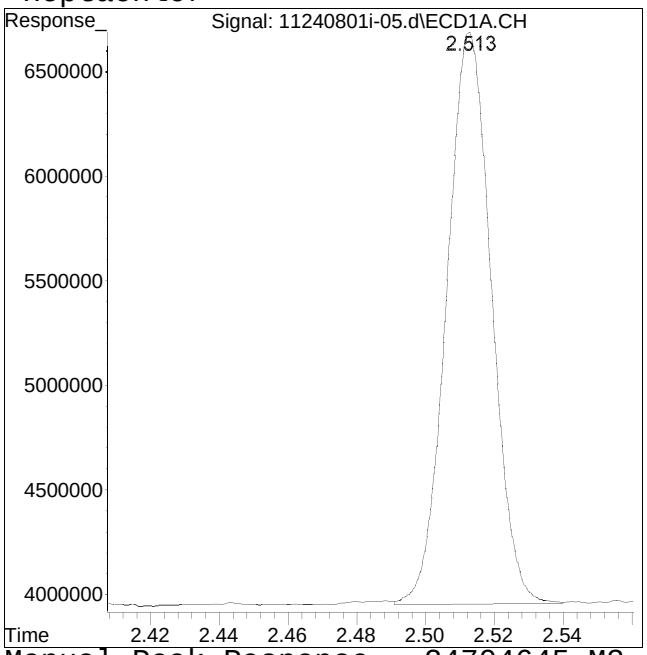
Original Peak Response = 24505652 Manual Peak Response = 23489321 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #8: Heptachlor





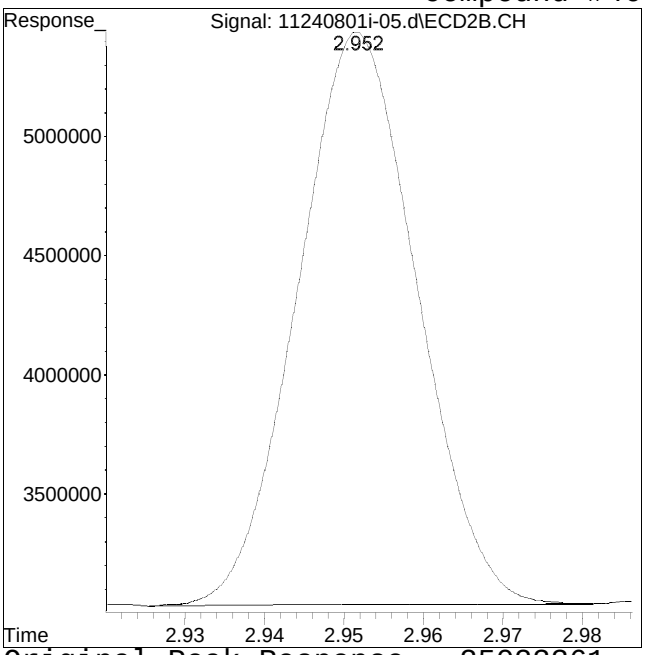
Original Peak Response = 25122429 Manual Peak Response = 24704645 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

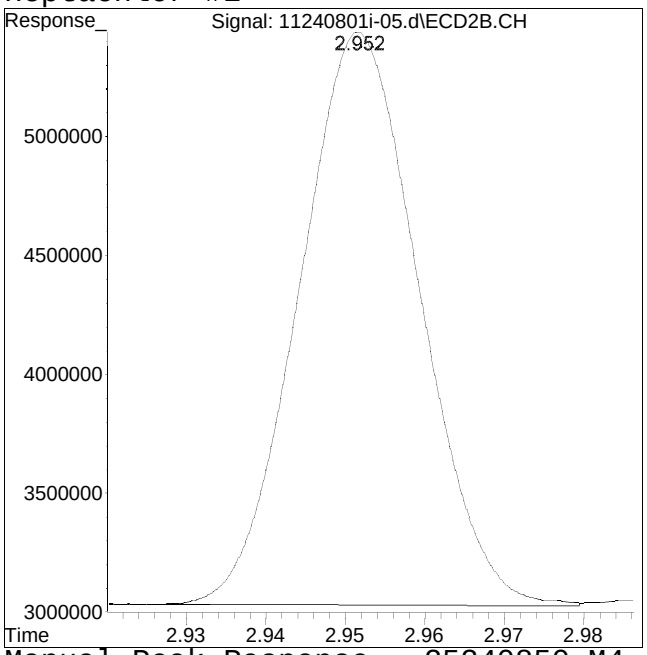
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #46: Heptachlor #2



Original Peak Response = 25023361



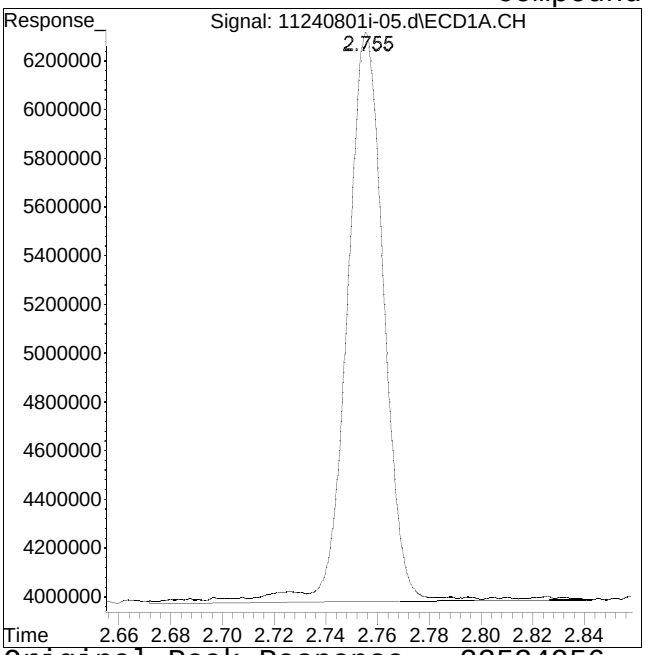
Manual Peak Response = 25240850 M4

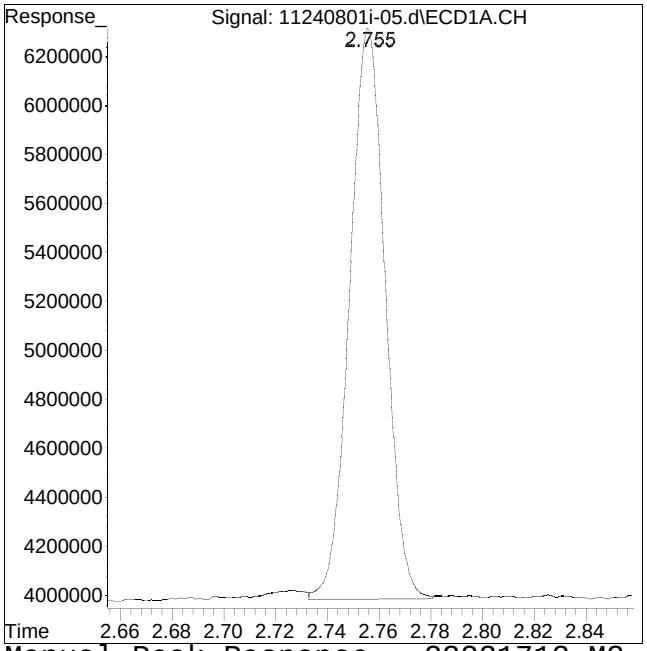
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #9: Aldrin



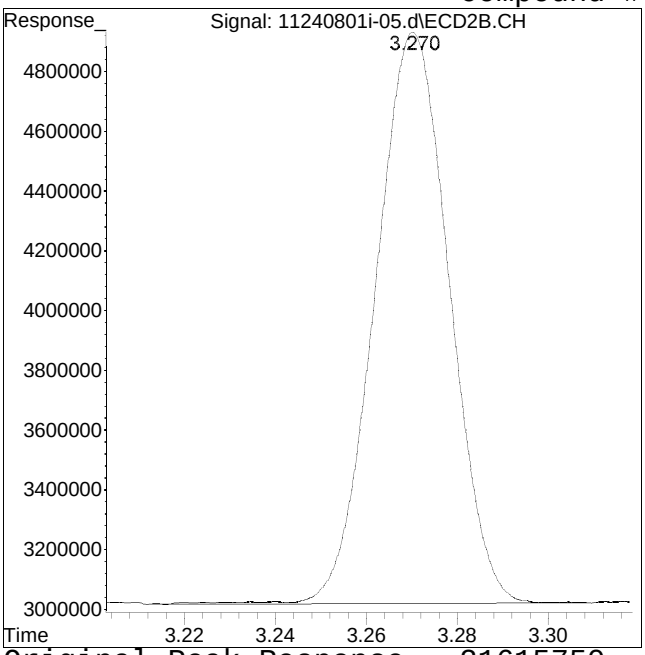


Original Peak Response = 23534956 Manual Peak Response = 22221712 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

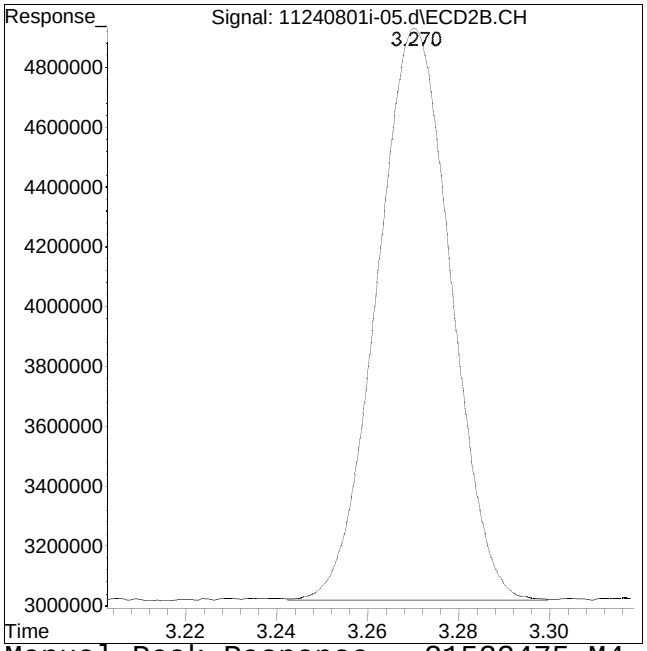
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #47: Aldrin #2



Original Peak Response = 21615750



Manual Peak Response = 21532475 M4

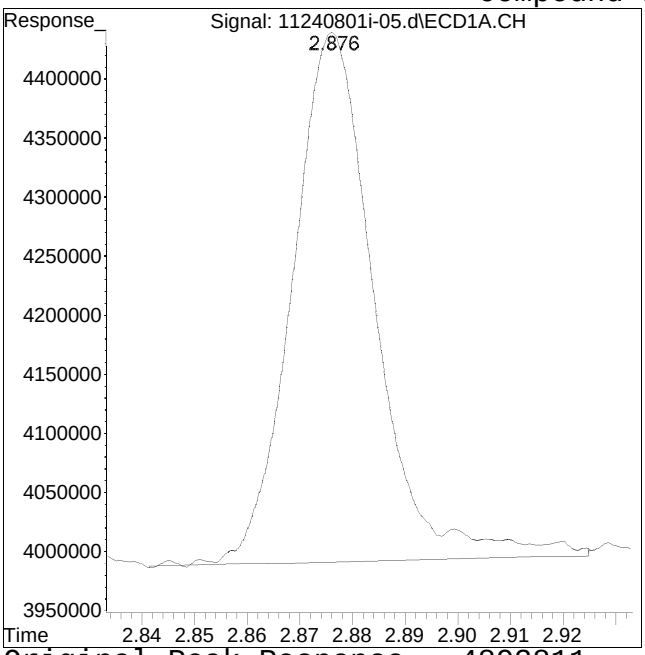
M4 = Poor automated baseline construction.

Manual Integration Report

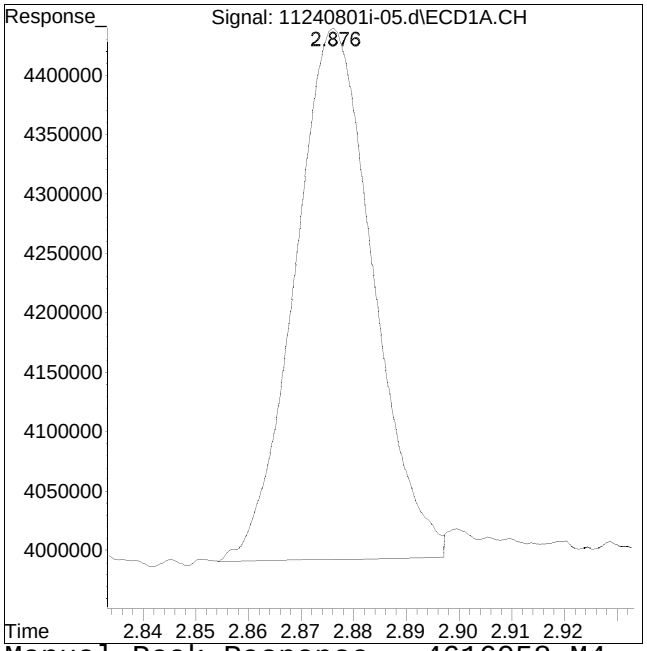
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #10: Alachlor



Original Peak Response = 4893811



Manual Peak Response = 4616058 M4

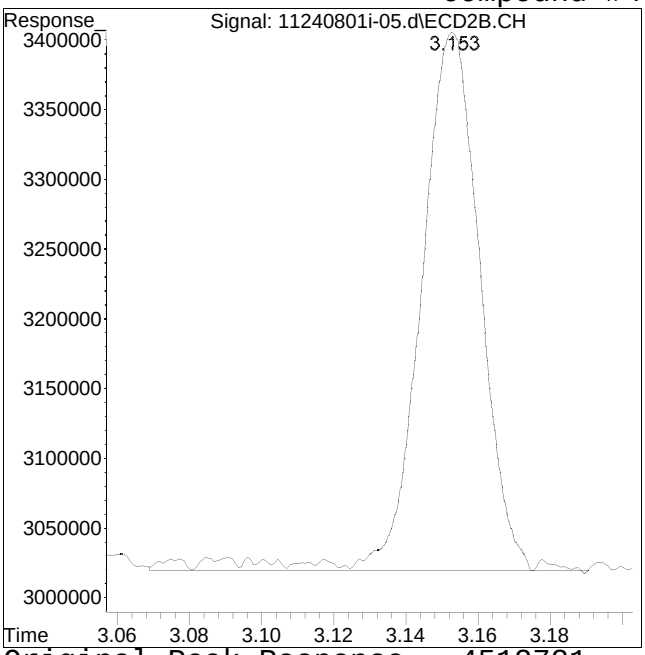
M4 = Poor automated baseline construction.

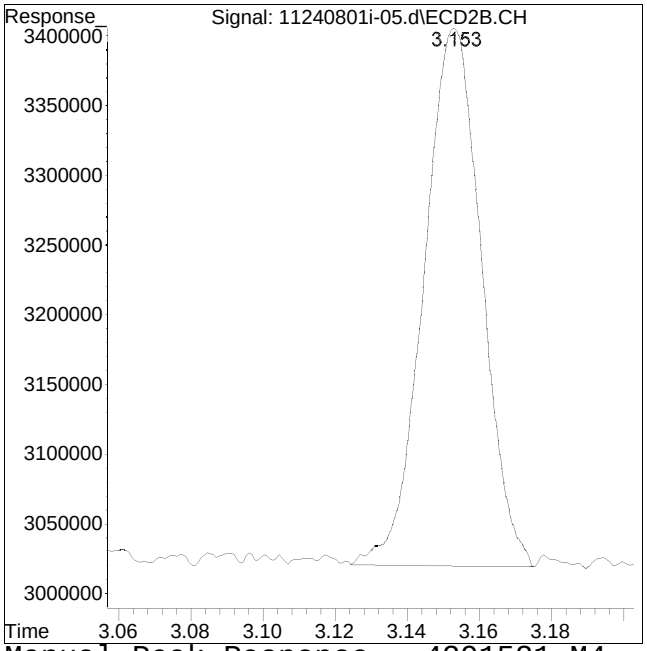
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #48: Alachlor #2





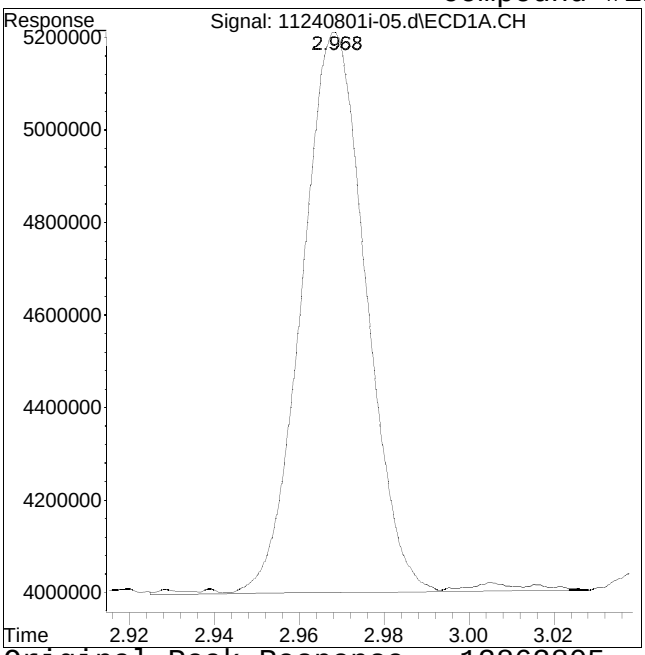
Original Peak Response = 4512721 Manual Peak Response = 4291521 M4
M4 = Poor automated baseline construction.

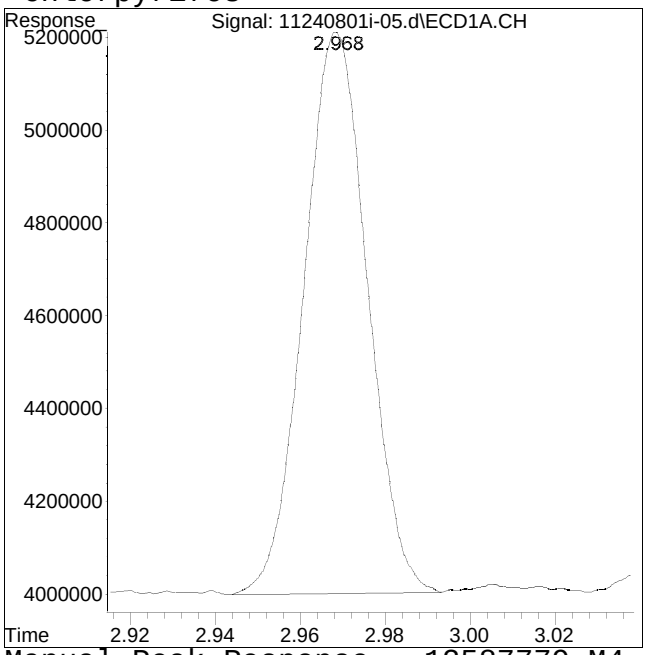
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #11: Chlorpyrifos



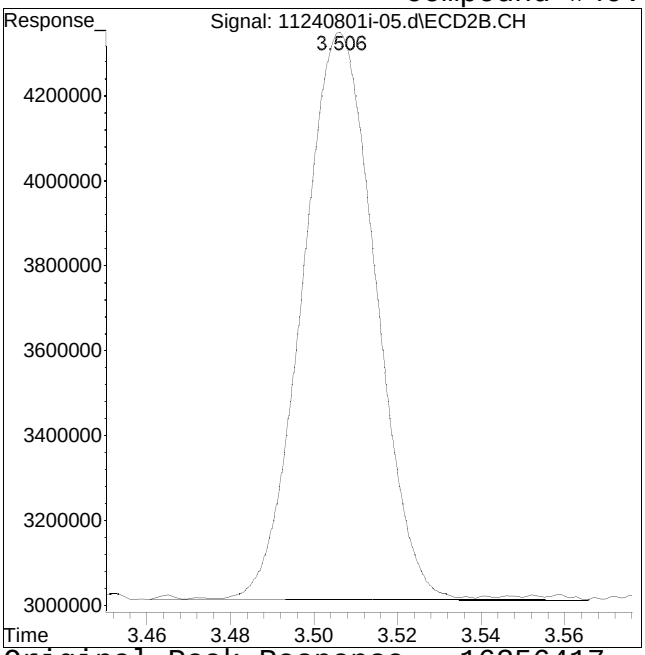


Original Peak Response = 12863805 Manual Peak Response = 12587779 M4
M4 = Poor automated baseline construction.

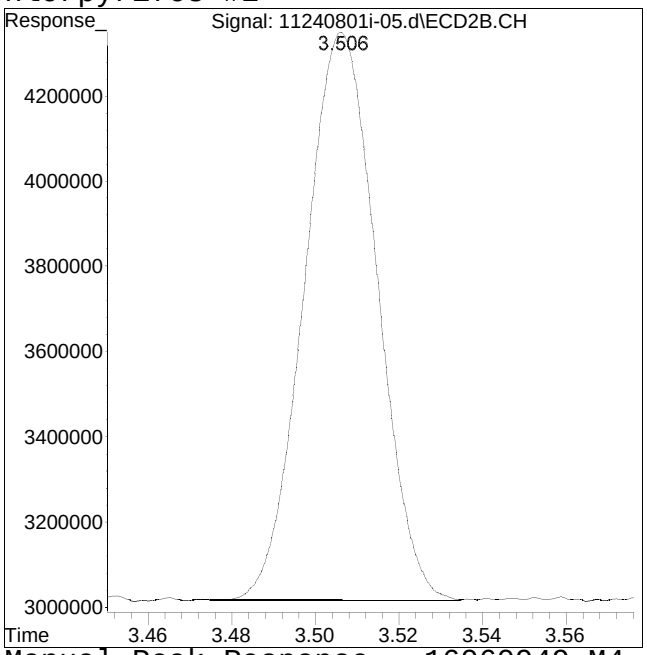
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 16356417



Manual Peak Response = 16060949 M4

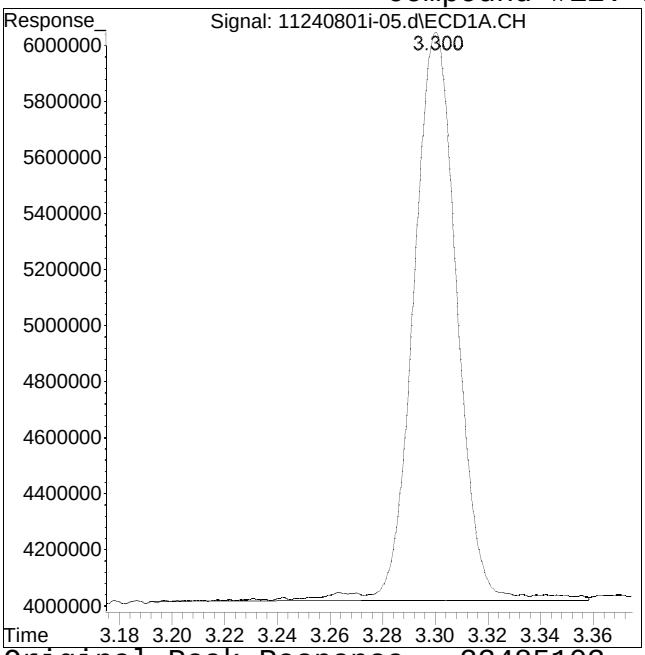
M4 = Poor automated baseline construction.

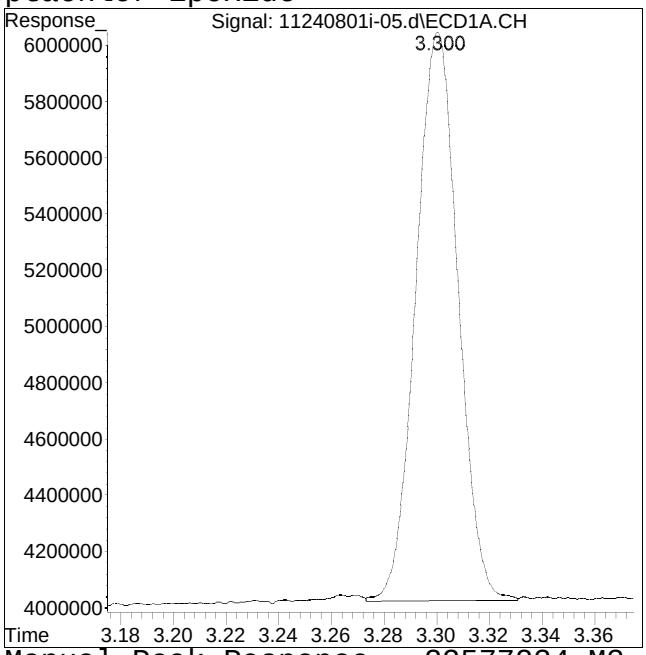
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #12: Heptachlor Epoxide





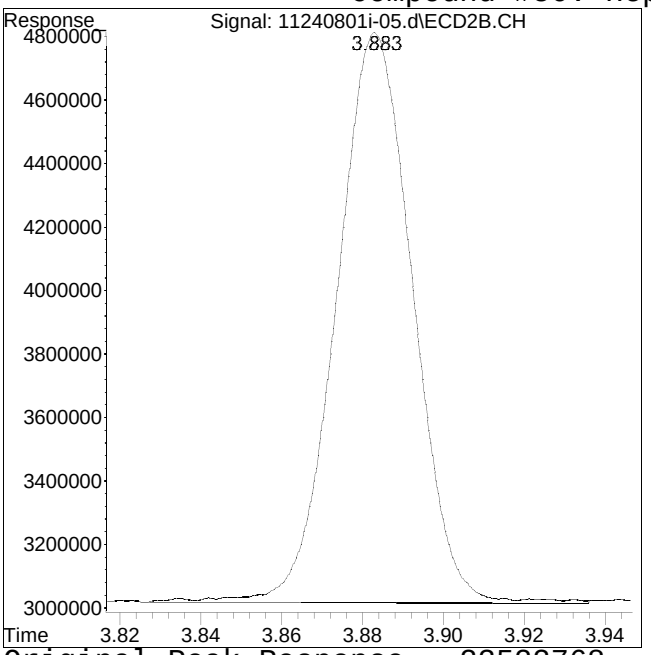
Original Peak Response = 23485103 Manual Peak Response = 22577234 M3

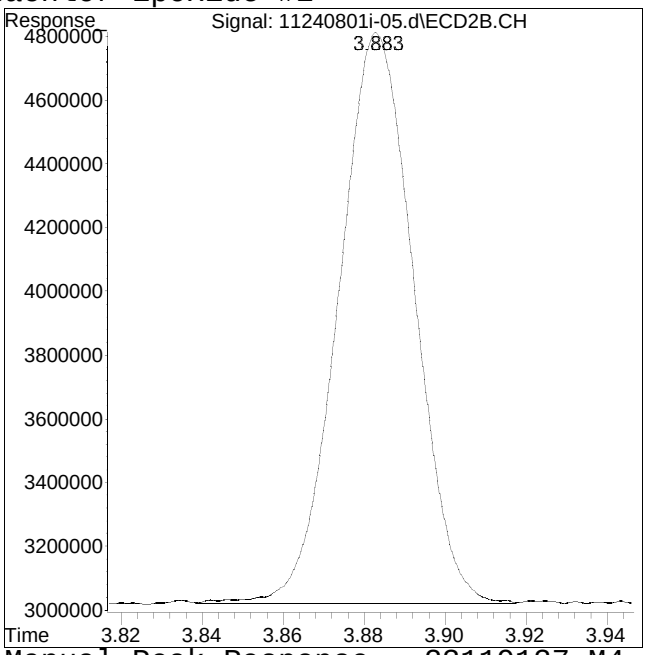
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #50: Heptachlor Epoxide #2





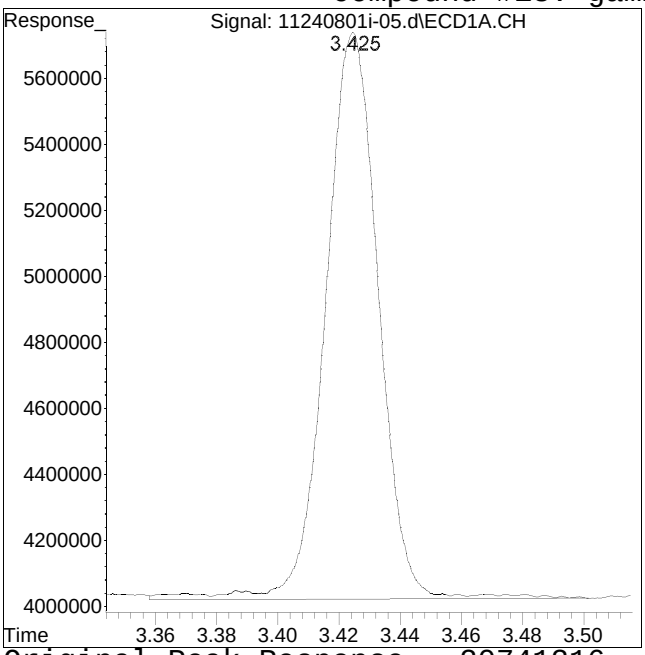
Original Peak Response = 23522768 Manual Peak Response = 23119137 M4
M4 = Poor automated baseline construction.

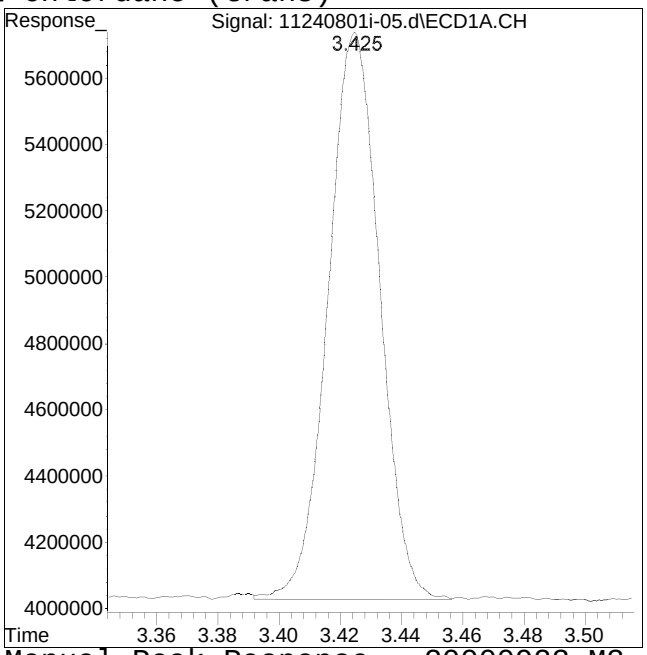
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #13: gamma-Chlordane (trans)



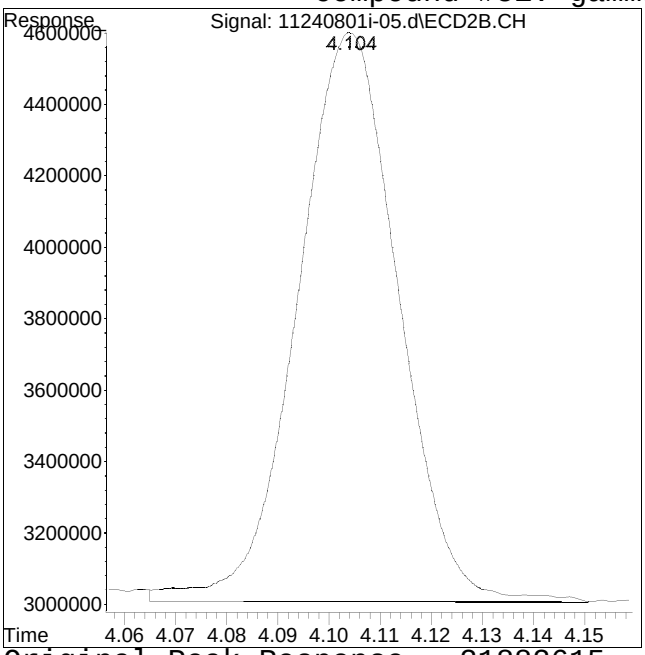


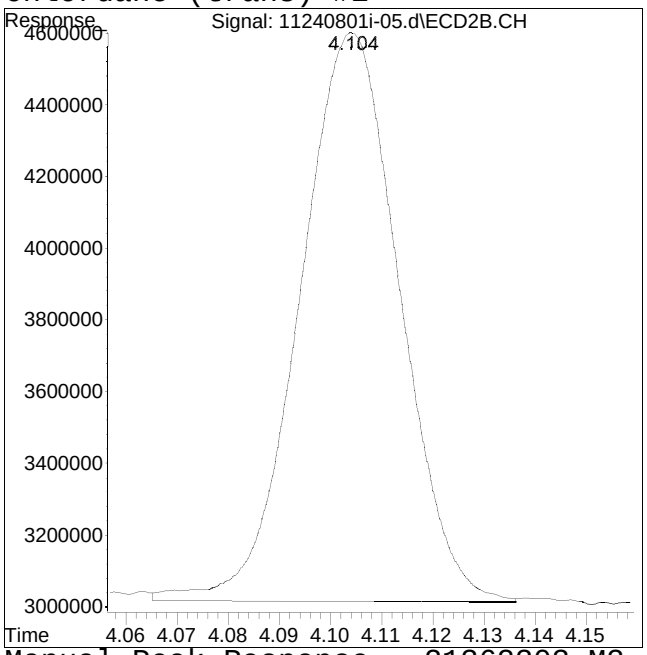
Original Peak Response = 20741216 Manual Peak Response = 20000923 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #51: gamma-Chlordane (trans) #2





Original Peak Response = 21882615 Manual Peak Response = 21362303 M3

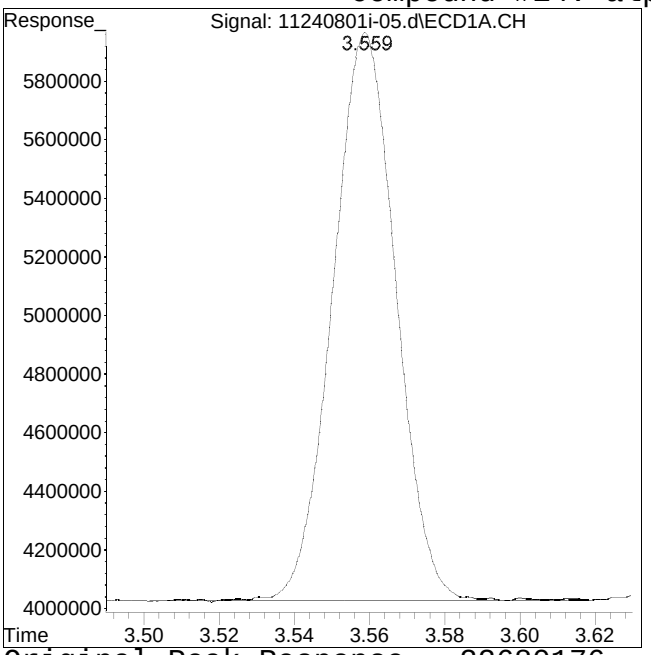
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

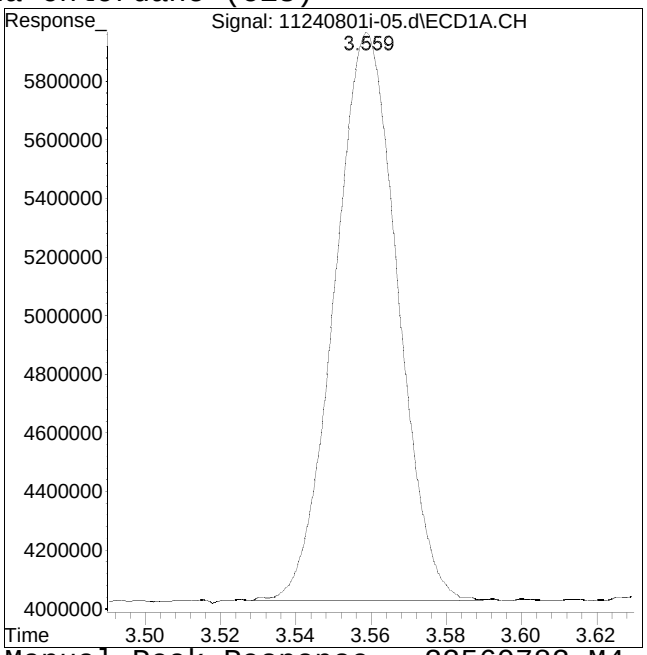
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 22680176



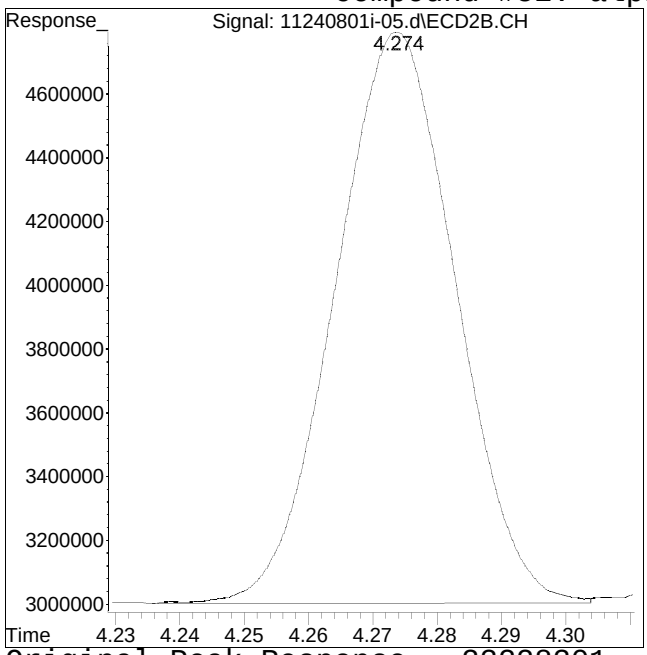
Manual Peak Response = 22560782 M4

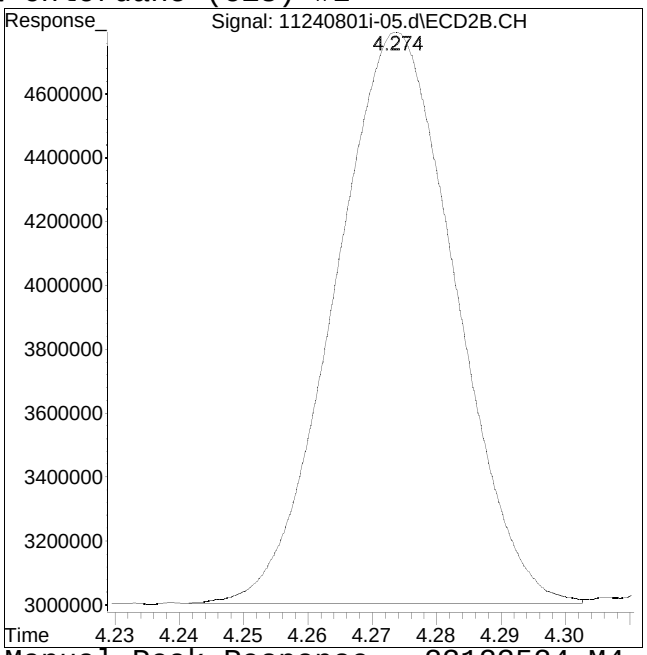
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #52: alpha-Chlordane (cis) #2



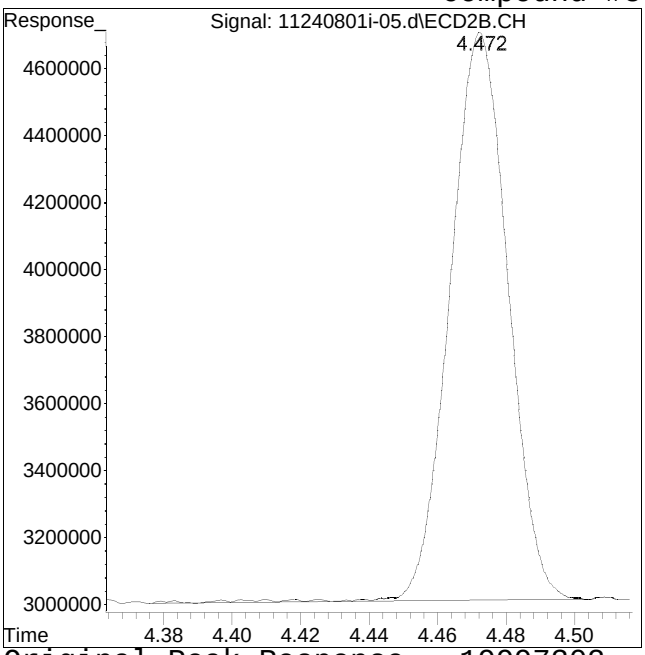


Original Peak Response = 23228301 Manual Peak Response = 23123524 M4
M4 = Poor automated baseline construction.

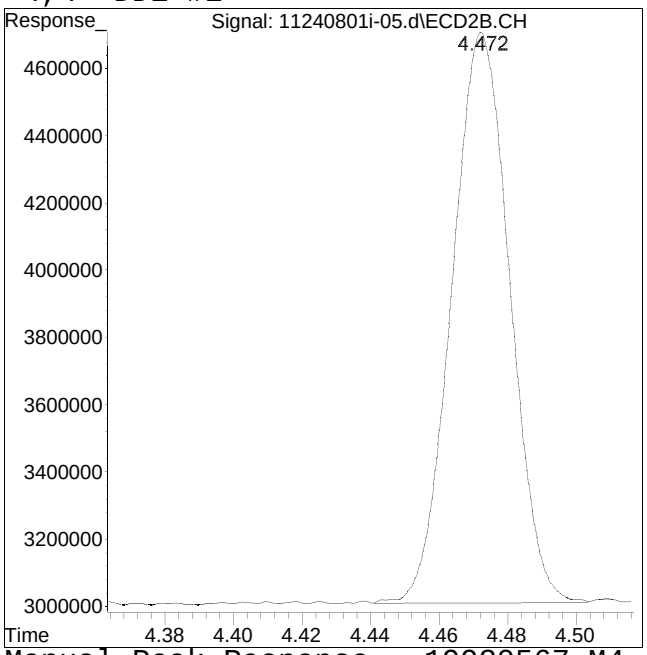
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 19997302

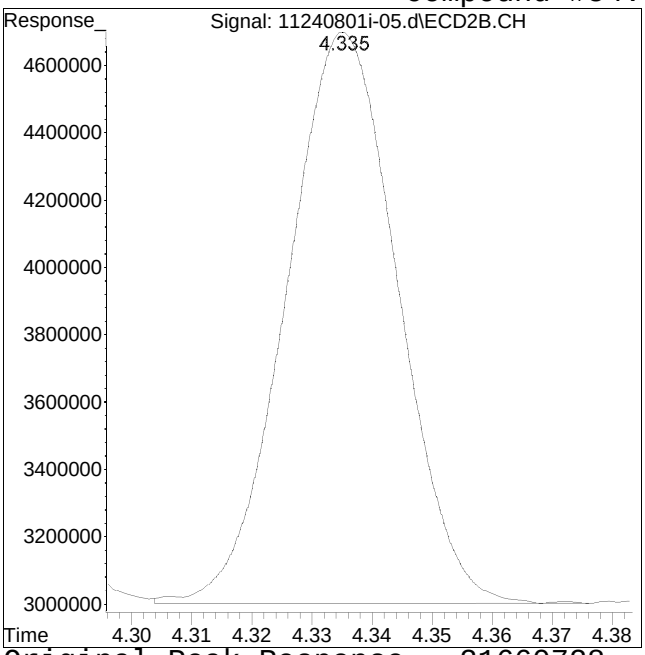


Manual Peak Response = 19930567 M4
M4 = Poor automated baseline construction.

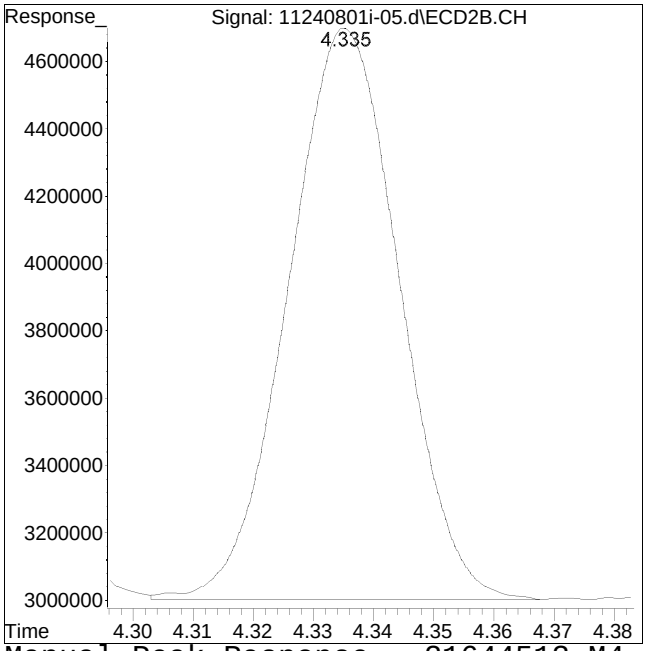
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #54: Endosulfan I #2



Original Peak Response = 21660728



Manual Peak Response = 21644513 M4

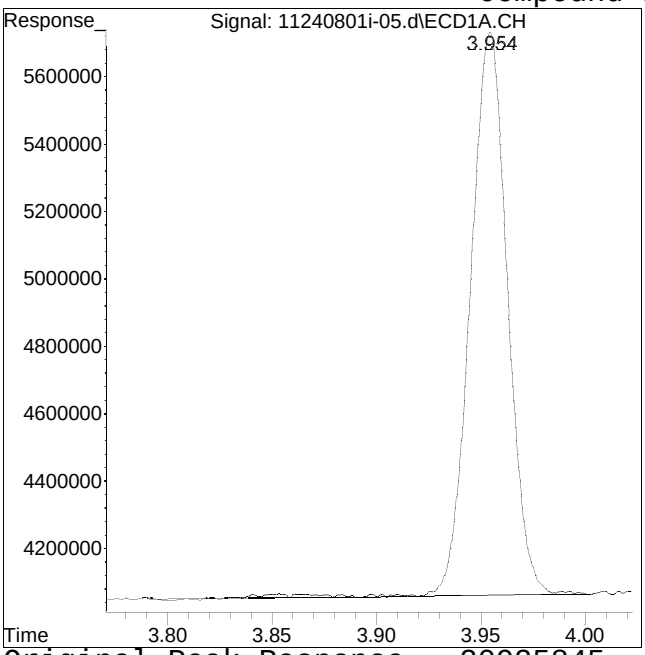
M4 = Poor automated baseline construction.

Manual Integration Report

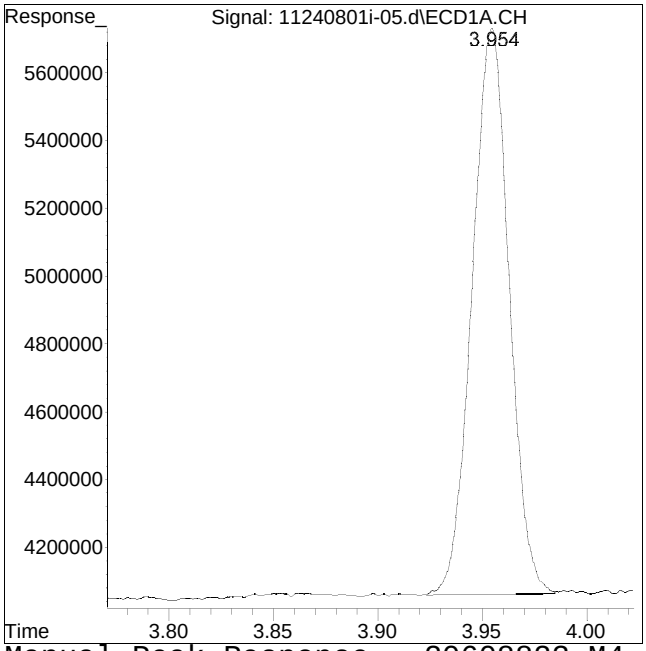
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #17: Dieldrin



Original Peak Response = 20925845



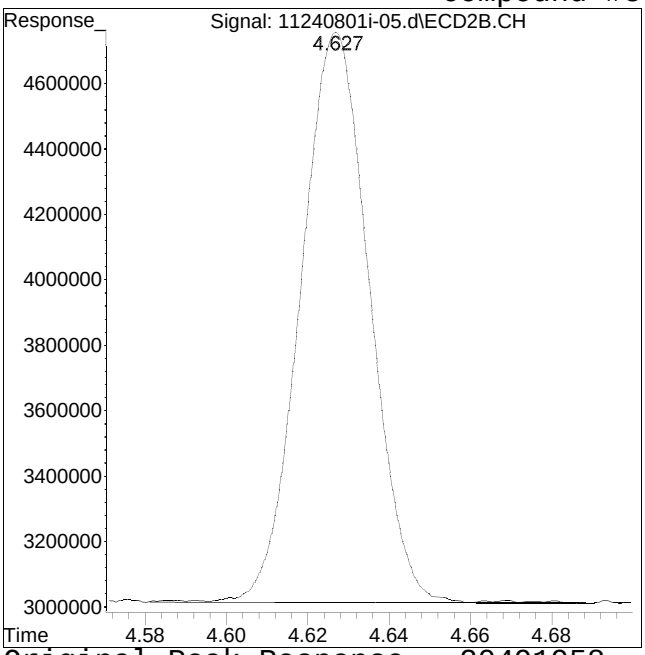
Manual Peak Response = 20608823 M4

M4 = Poor automated baseline construction.

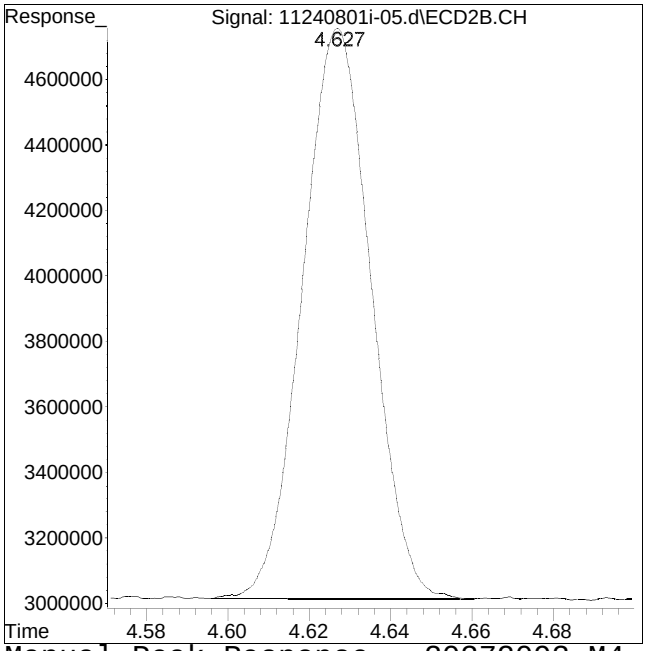
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #55: Dieldrin #2



Original Peak Response = 20491958



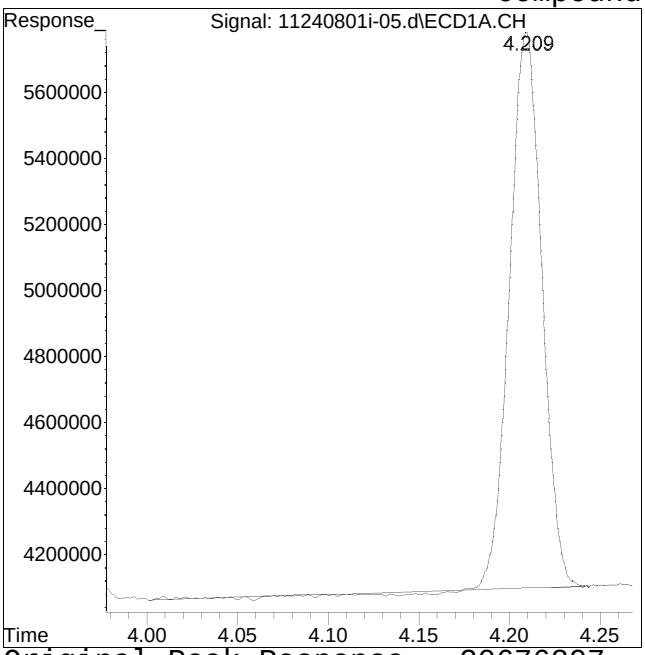
Manual Peak Response = 20372093 M4
M4 = Poor automated baseline construction.

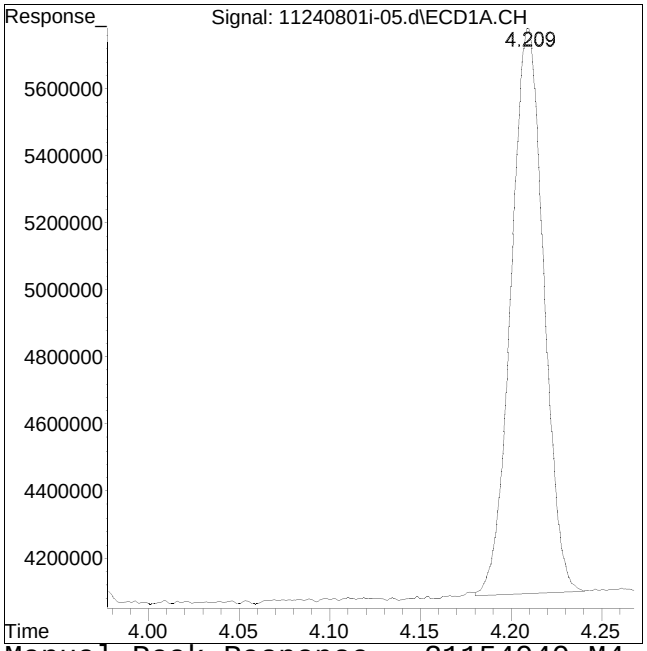
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #18: Endrin





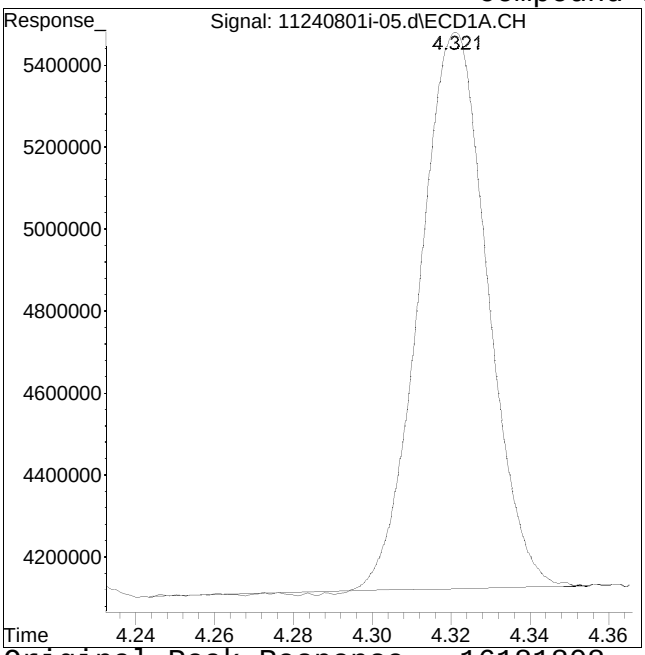
Original Peak Response = 20676297 Manual Peak Response = 21154040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

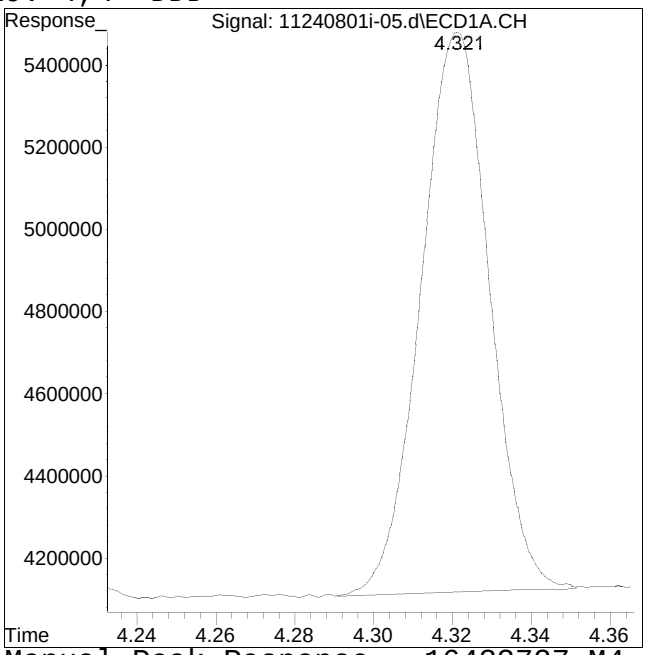
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #19: 4,4'-DDD



Original Peak Response = 16181808



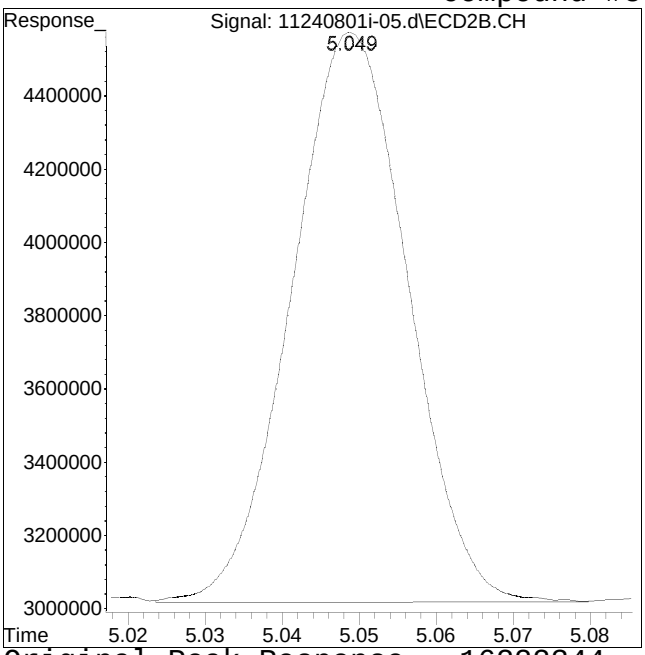
Manual Peak Response = 16433727 M4

M4 = Poor automated baseline construction.

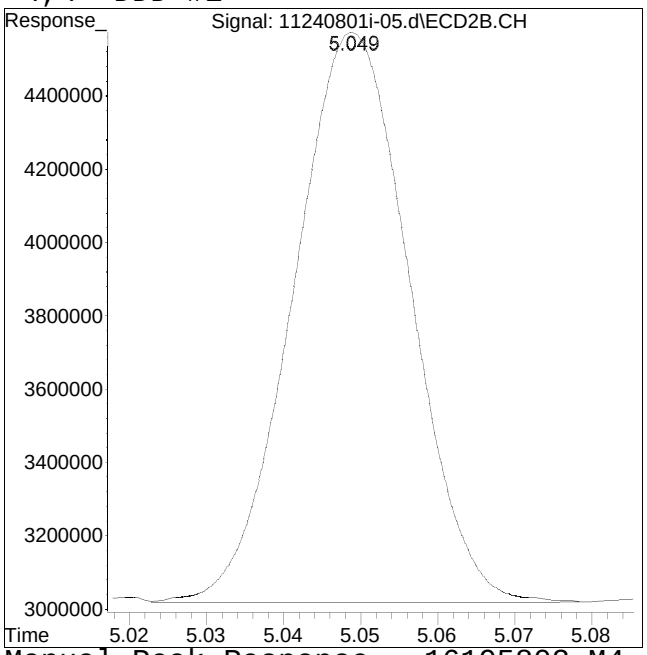
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0 Quant Date : 8/2/2024 11:14 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 16222344

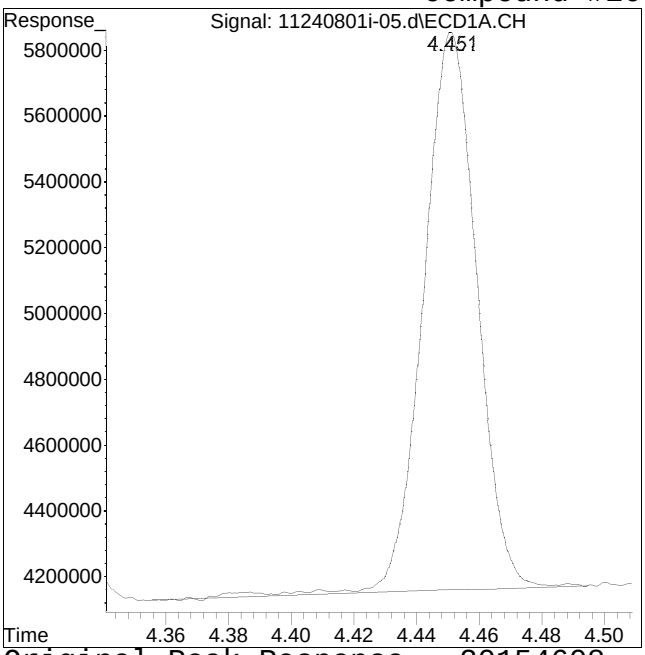


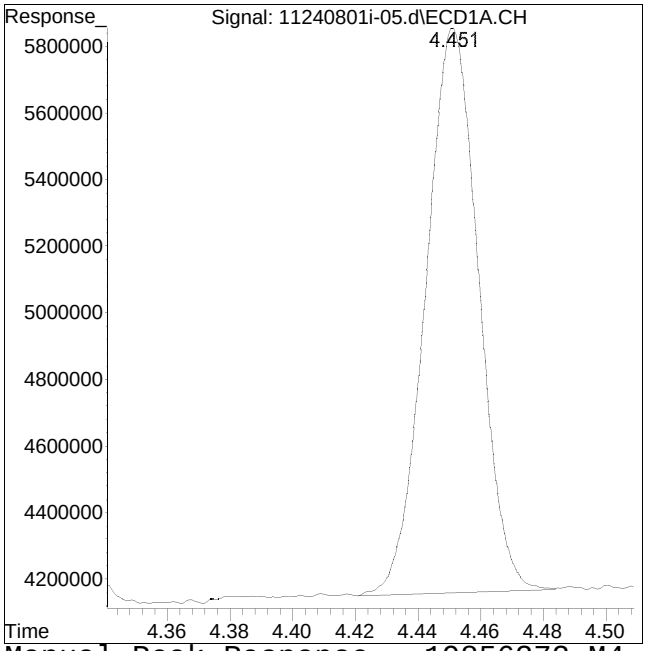
Manual Peak Response = 16195802 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #20: Endosulfan II



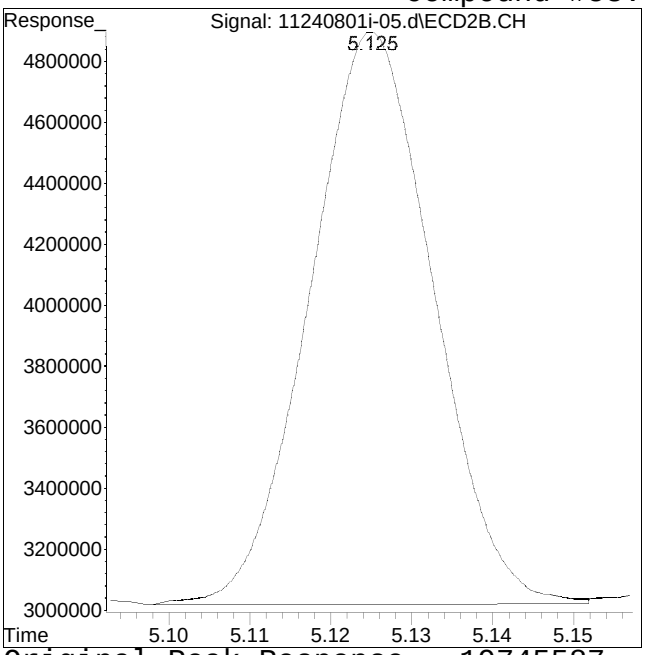


Original Peak Response = 20154608 Manual Peak Response = 19856372 M4
M4 = Poor automated baseline construction.

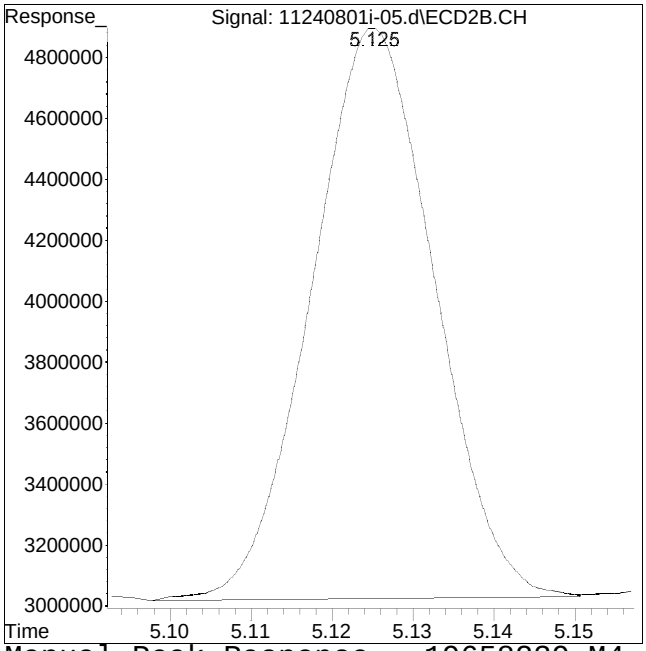
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #58: Endosulfan II #2



Original Peak Response = 19745587



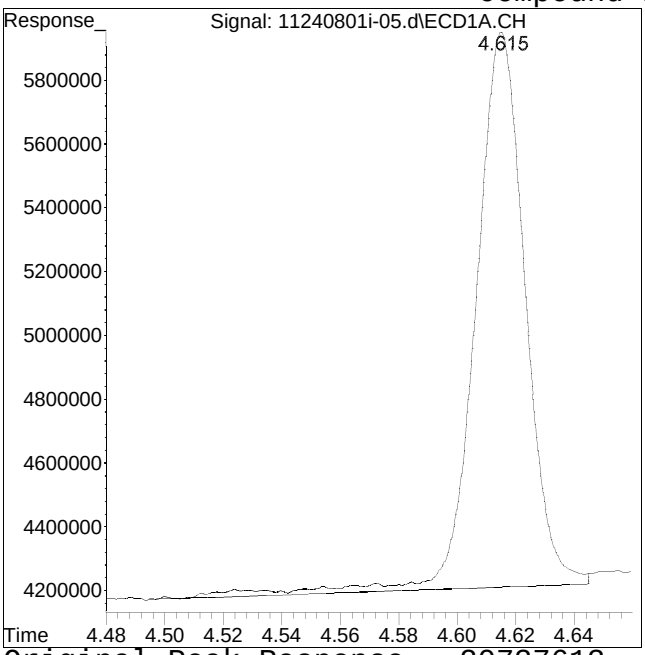
Manual Peak Response = 19658239 M4
M4 = Poor automated baseline construction.

Manual Integration Report

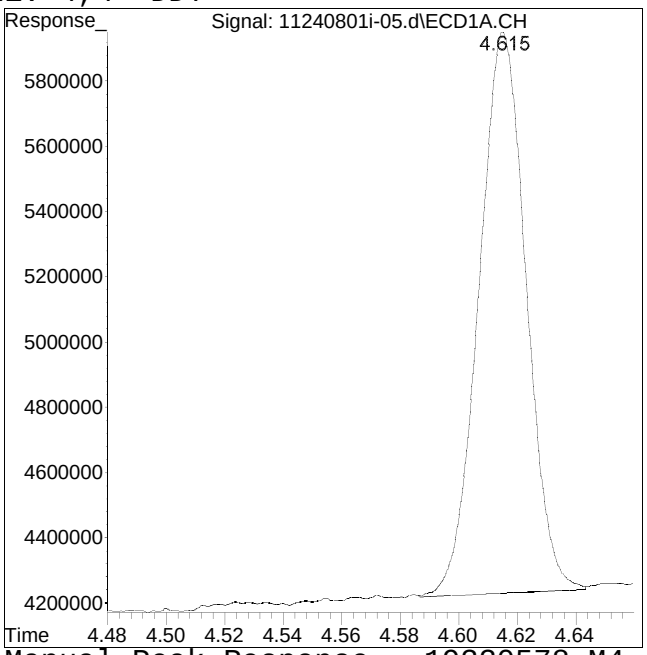
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #21: 4,4'-DDT



Original Peak Response = 20737613



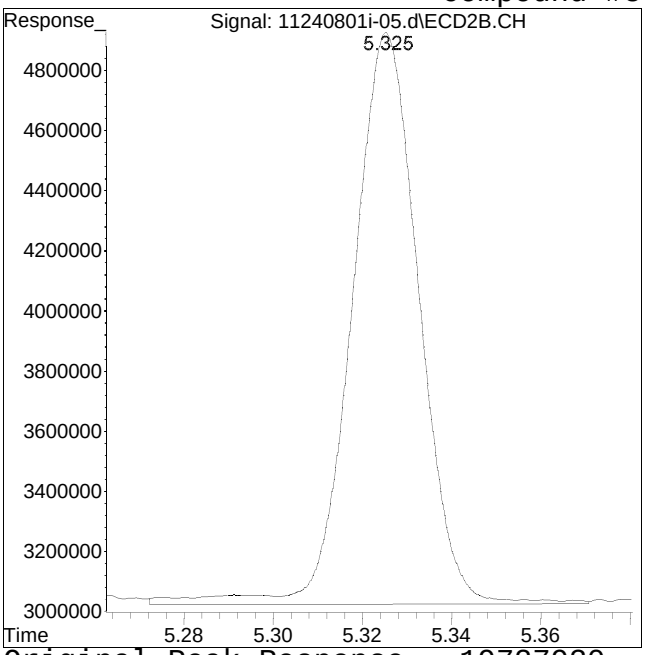
Manual Peak Response = 19330578 M4

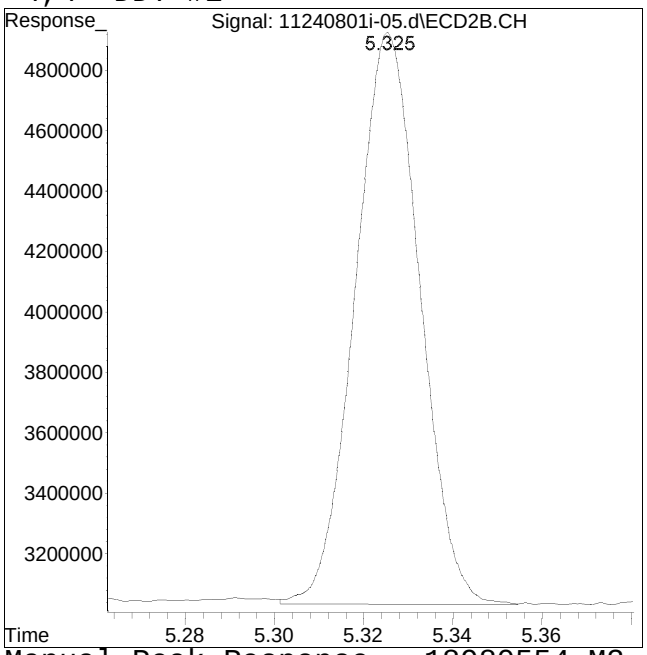
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #59: 4,4'-DDT #2





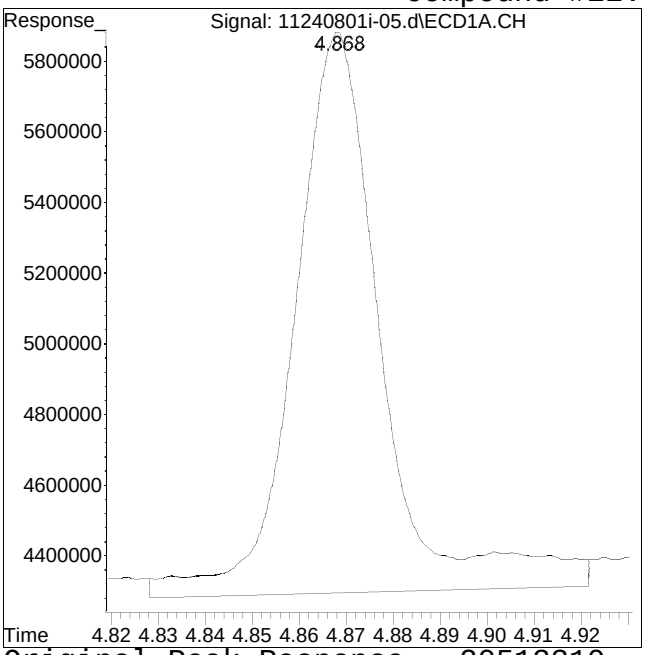
Original Peak Response = 19727930 Manual Peak Response = 18980554 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

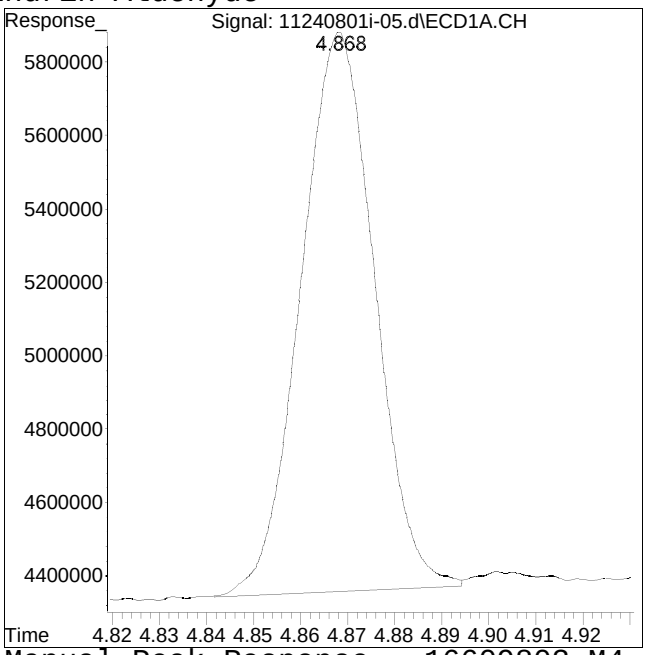
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #22: Endrin Aldehyde



Original Peak Response = 20513310



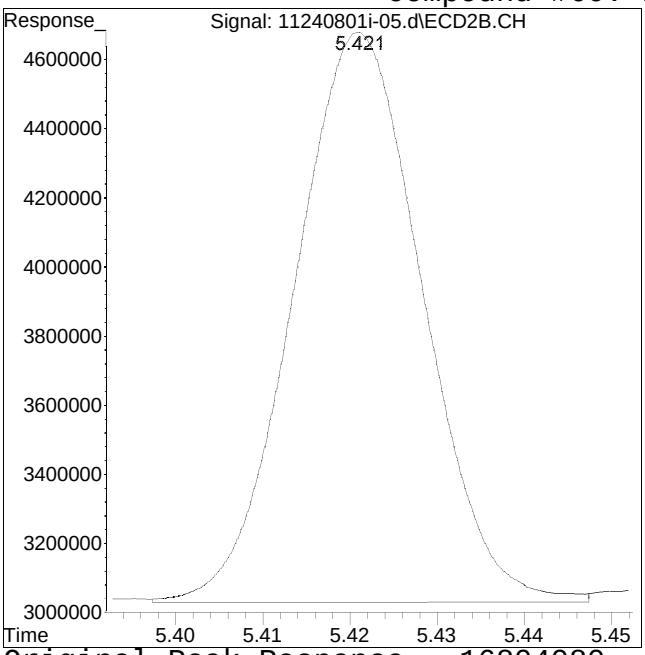
Manual Peak Response = 16609803 M4

M4 = Poor automated baseline construction.

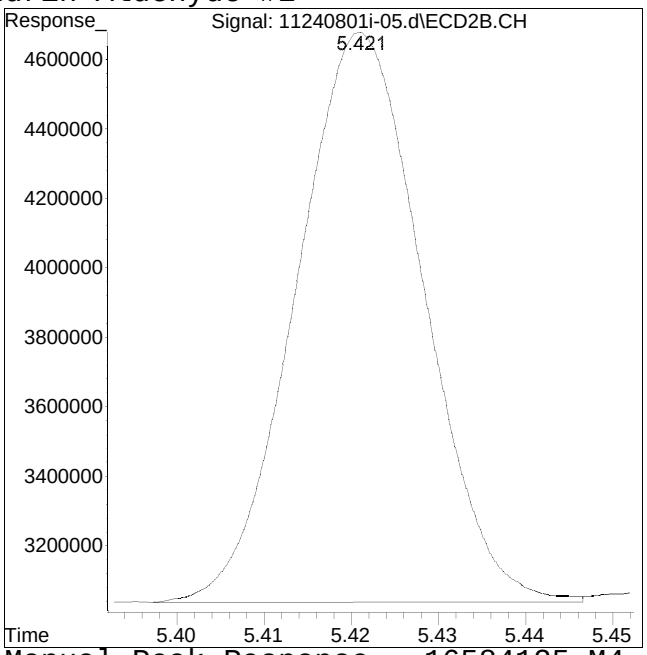
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 16804080



Manual Peak Response = 16584125 M4

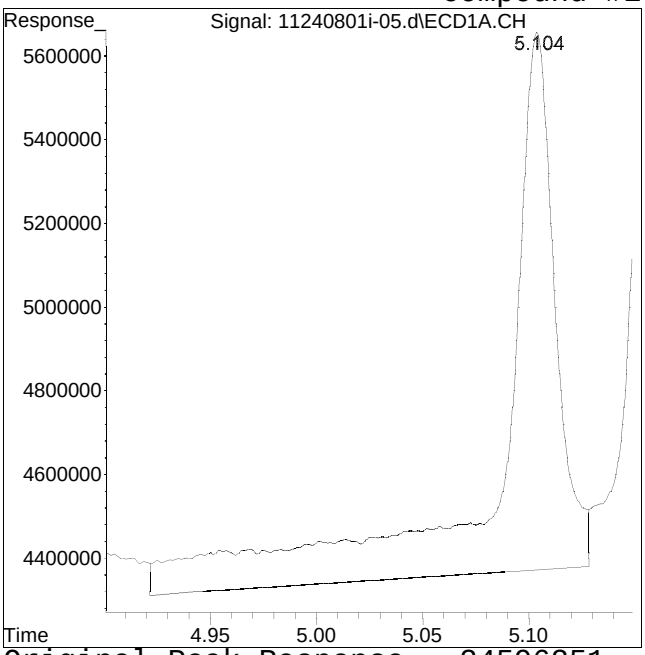
M4 = Poor automated baseline construction.

Manual Integration Report

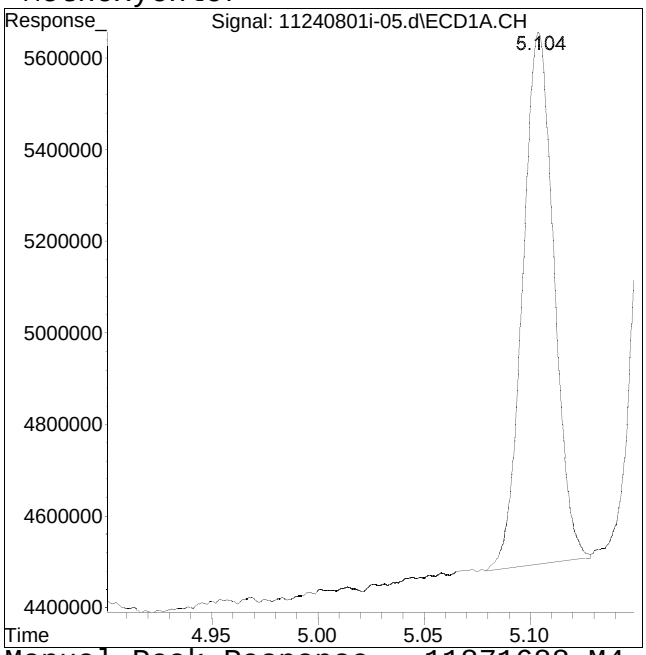
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #23: Methoxychlor



Original Peak Response = 24596251



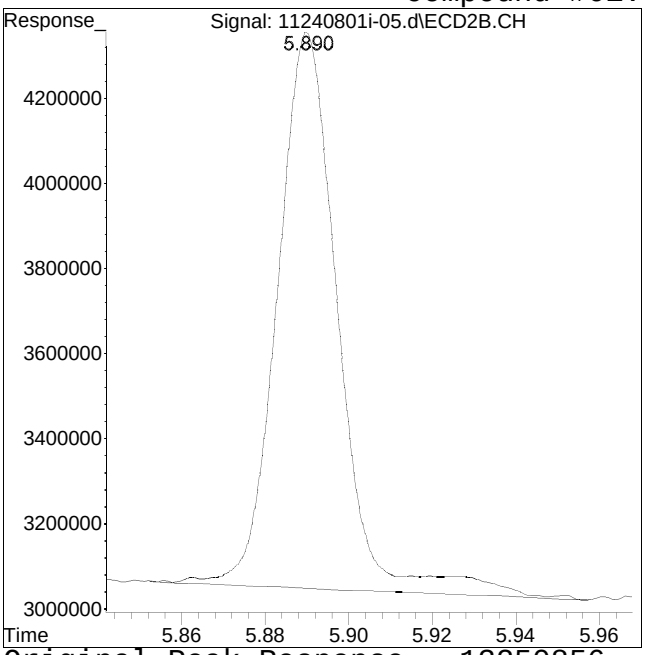
Manual Peak Response = 11871688 M4

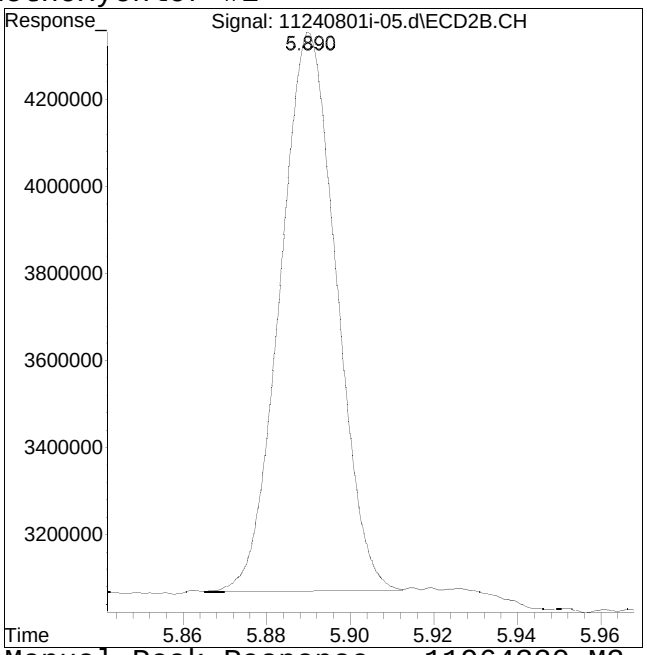
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-05.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:01 Instrument : Pest 11
Sample : il3pest,42e,,pp 11685 L0.0Quant Date : 8/2/2024 11:14 am

Compound #61: Methoxychlor #2



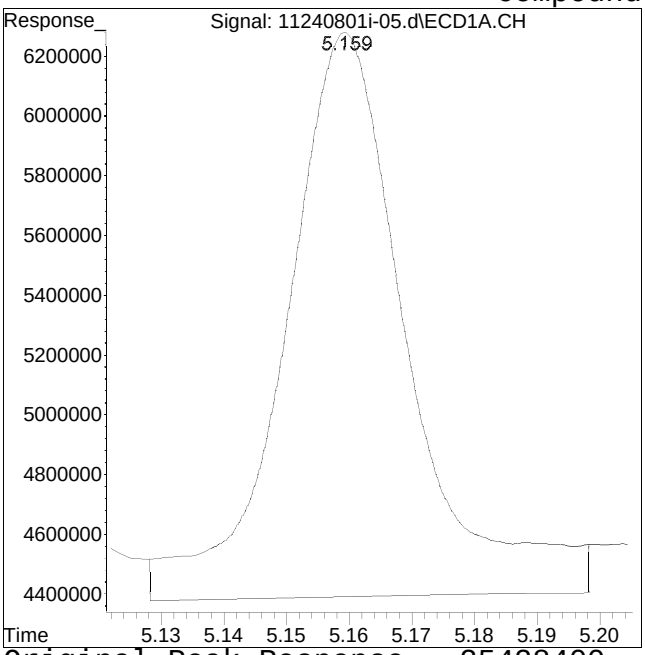


Original Peak Response = 13250856 Manual Peak Response = 11964320 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

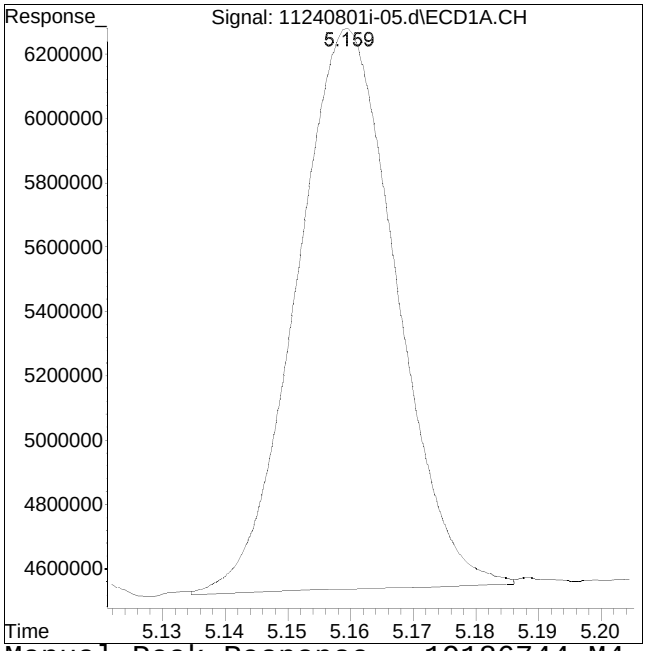
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #24: Mirex



Original Peak Response = 25428400



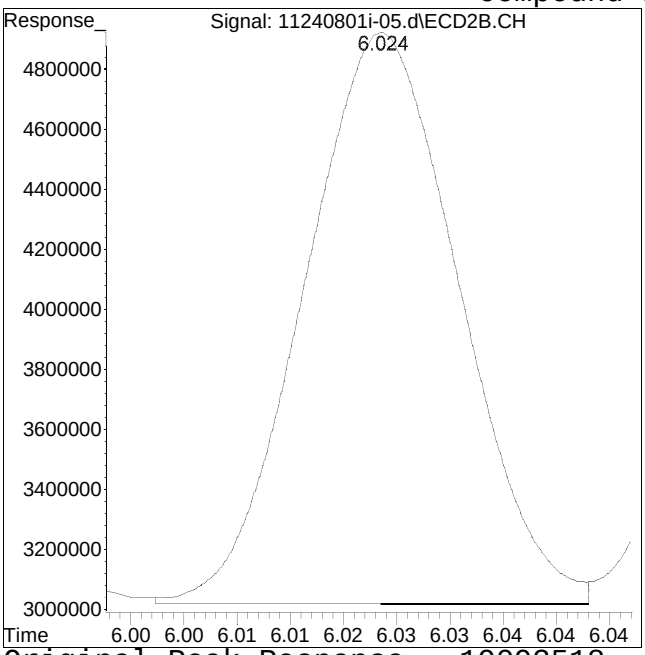
Manual Peak Response = 19186744 M4

M4 = Poor automated baseline construction.

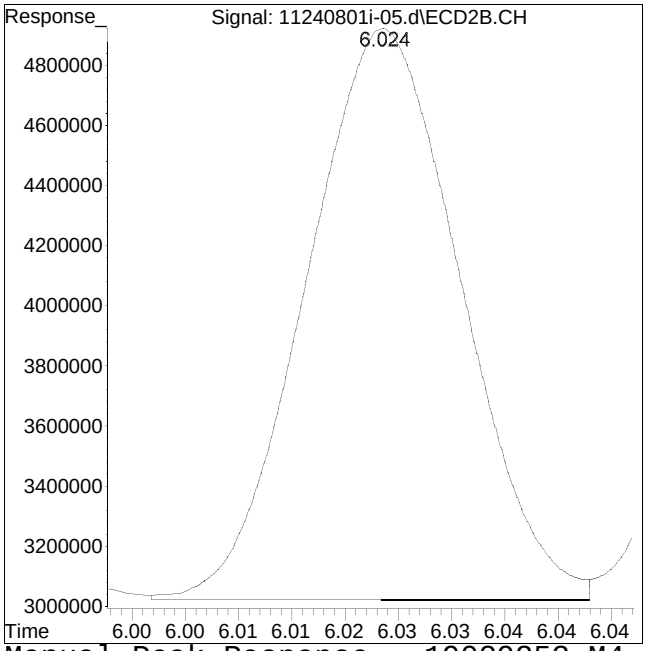
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #62: Mirex #2



Original Peak Response = 19093518



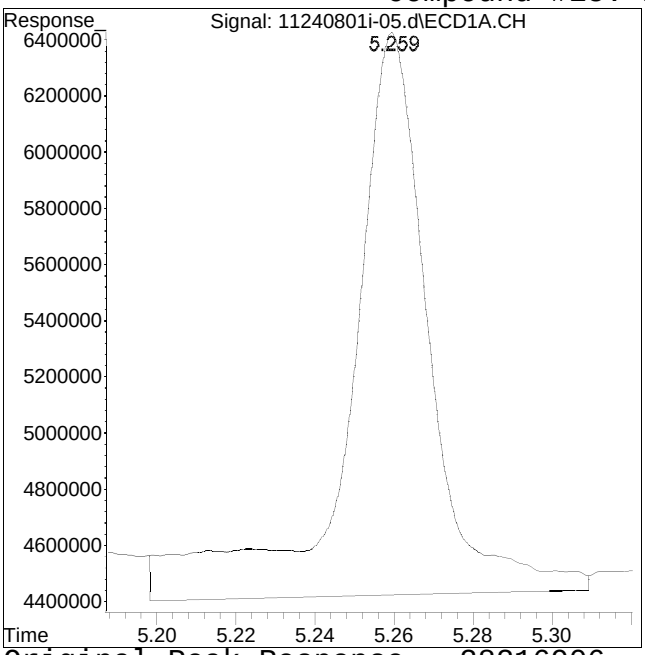
Manual Peak Response = 19029253 M4

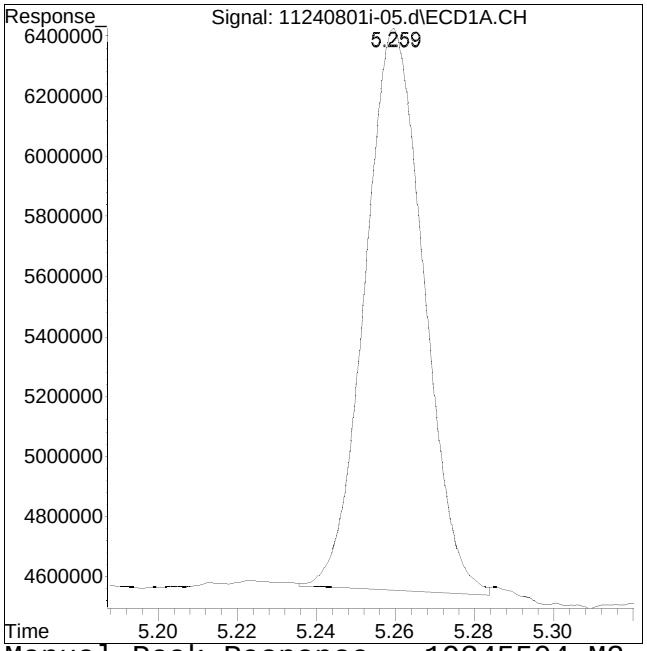
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 28216906 Manual Peak Response = 19345504 M3

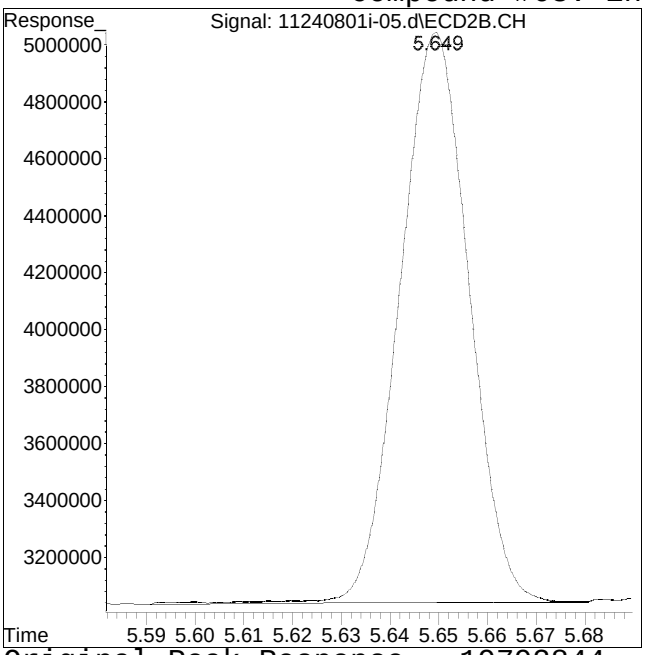
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

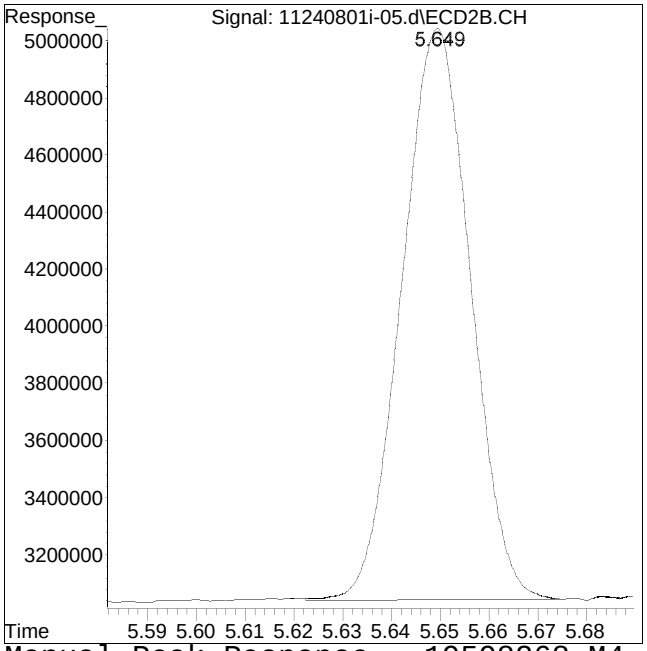
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 19792844



Manual Peak Response = 19598268 M4

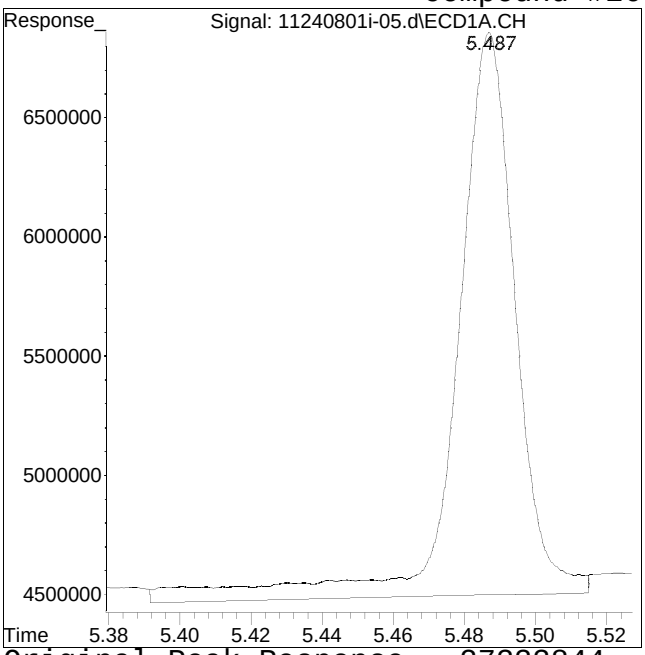
M4 = Poor automated baseline construction.

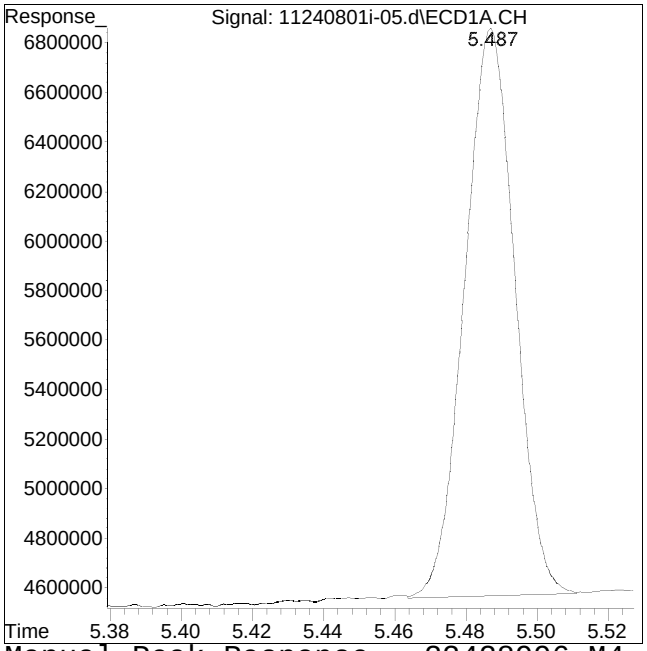
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #26: Endrin Ketone



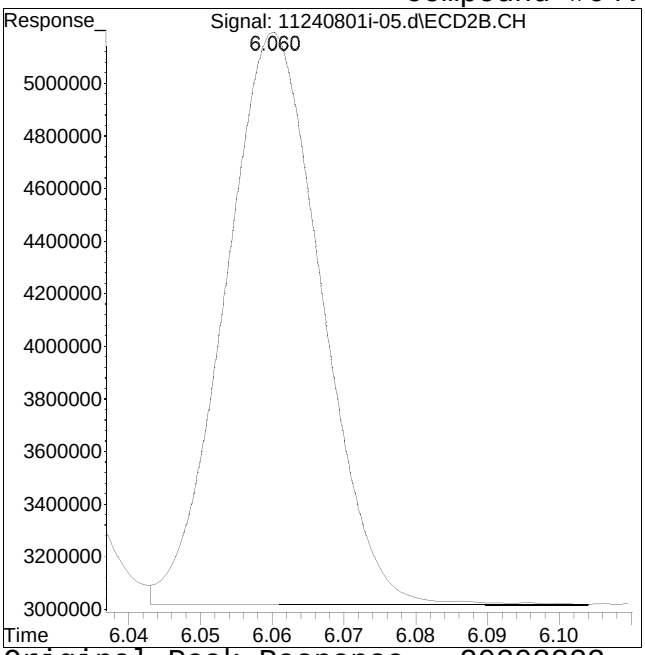


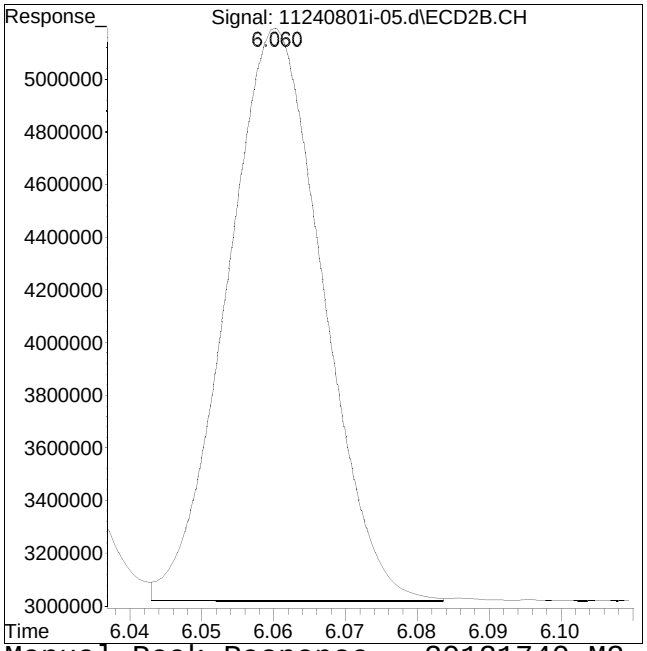
Original Peak Response = 27333844 Manual Peak Response = 22428996 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #64: Endrin Ketone #2





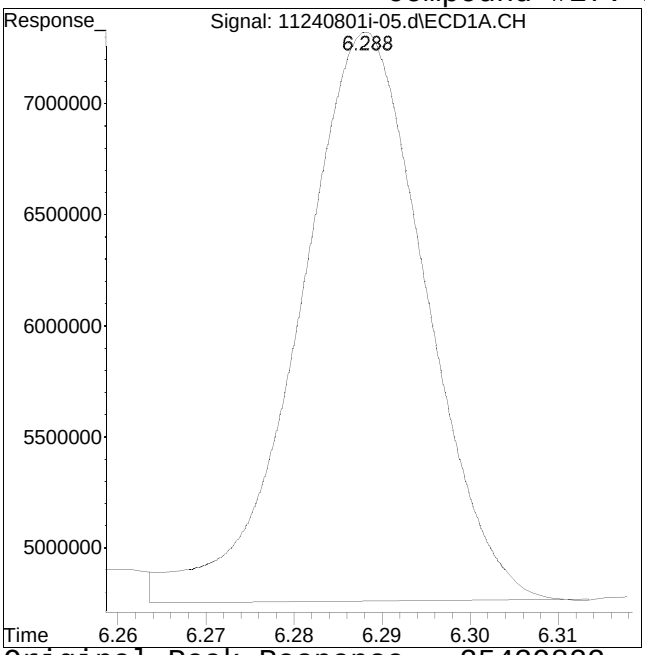
Original Peak Response = 20303223 Manual Peak Response = 20121740 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

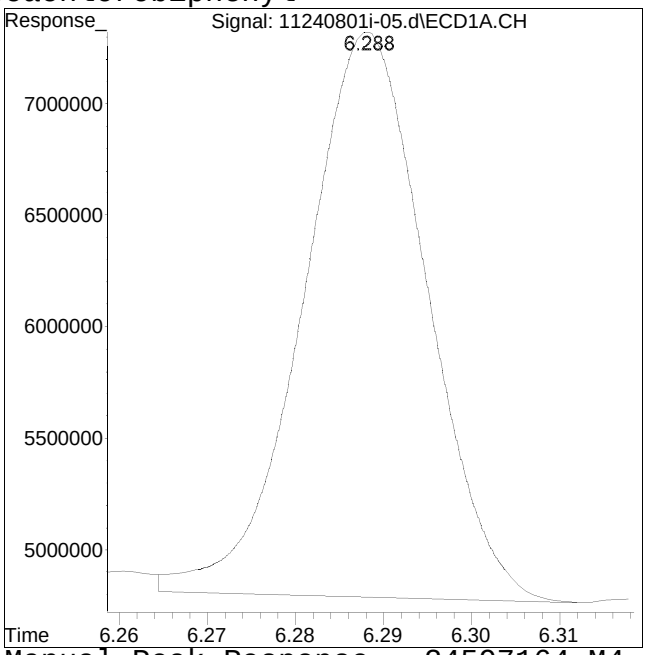
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 25439822



Manual Peak Response = 24597164 M4

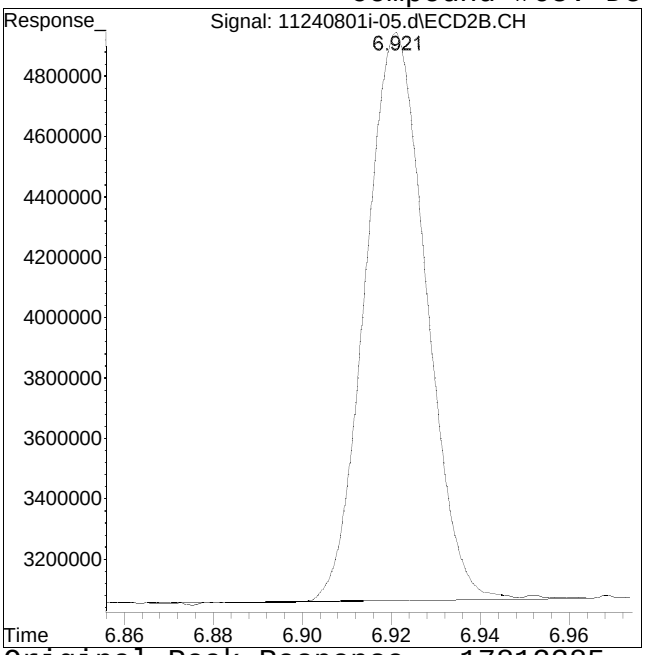
M4 = Poor automated baseline construction.

Manual Integration Report

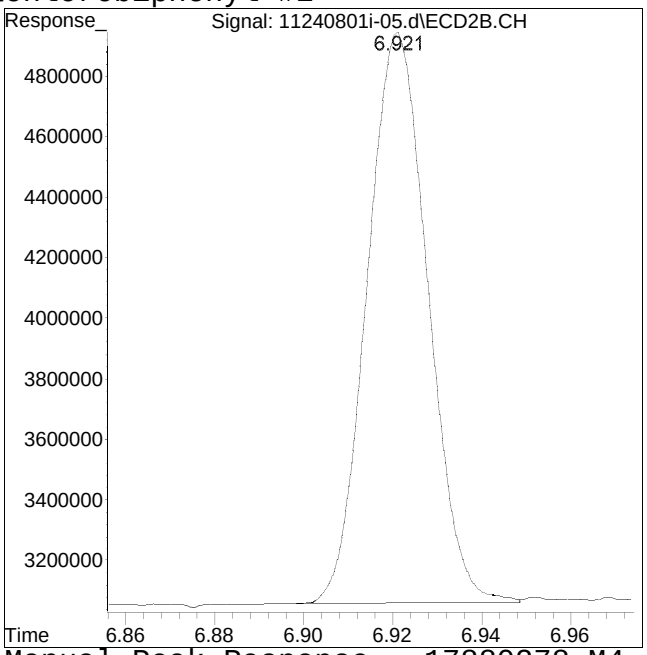
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-05.d
Date Inj'd : 8/1/2024 19:01
Sample : il3pest,42e,,pp 11685 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:14 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 17812385



Manual Peak Response = 17880278 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	225.3E6	182.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	29080990	25002980	3.146M4	3.174M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.29%#	6.35%#
27) s	Decachlorobi	6.288	6.920	35723670	25963491	3.673M3	3.623
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.35%#	7.25%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.177	41044675	28990626	3.378M4	3.407M4
4) t	alpha-BHC	1.963	2.270	37177271	33446228	2.704M4	2.766M4
5) t	gamma-BHC (l	2.165	2.556	36664929	32438962	2.866	2.938M4
6) t	beta-BHC	2.221	2.622	18018371	17068674	3.280M4	3.539M4
7) t	delta-BHC	2.349	2.889	35236787	32007816	2.741M4	2.855M4
8) t	Heptachlor	2.513	2.951	36683442	36318635	3.092M4	3.237M4
9) t	Aldrin	2.755	3.270	33013771	31469739	2.925M3	3.041M4
10) t	Alachlor	2.876	3.153	6704352	6156990	3.330M4	3.985M4
11) t	Chlorpyrifos	2.968	3.506	18438577	22860352	3.688M4	3.962M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	33482006	33318329	3.165M3	3.371
13)	t	gamma-Chlord	3.424	4.104	29652579	30160649	3.062M3	3.308M4
14)	t	alpha-Chlord	3.558	4.274	33742908	33326776	3.077M4	3.307M4
15)	t	4,4'-DDE	3.656	4.472	32070400	29145586	2.927M4	2.985M4
16)	t	Endosulfan I	3.695	4.335	31252215	31096714	3.125	3.370M4
17)	t	Dieldrin	3.954	4.627	30771717	29641213	2.966M4	3.125M4
18)	t	Endrin	4.209	4.925	31764584	30138830	3.033M4	3.136M4
19)	t	4,4'-DDD	4.321	5.049	24810460	23764919	2.902M4	3.027M3
20)	t	Endosulfan I	4.451	5.125	29573503	28438999	3.135M4	3.375M4
21)	t	4,4'-DDT	4.614	5.325	28950153	27857323	2.987M4	3.095M4
22)	t	Endrin Aldeh	4.867	5.420	24805991	23963315	3.136M3	3.415M4
23)	t	Methoxychlor	5.104	5.890	18239522	17467129	3.612M4	3.699M4
24)	t	Mirex	5.159	6.023	28822274	27405414	3.547M3	3.862M4
25)	t	Endosulfan S	5.259	5.649	28795336	28540412	3.247M3	3.461
26)	t	Endrin Keton	5.486	6.060	33725466	29365808	3.191M4	3.323M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

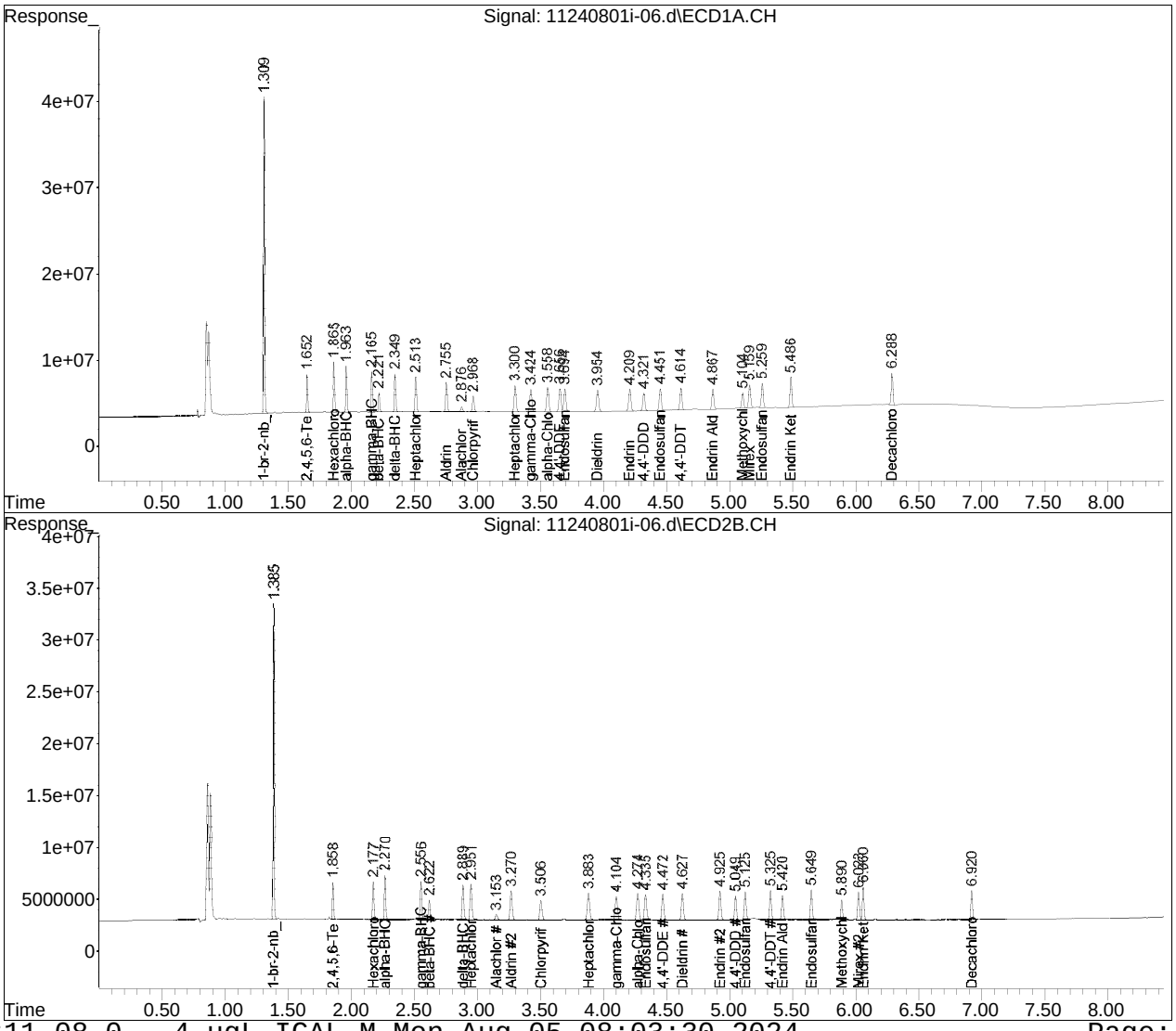
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:13
Operator : PEST11:ejl
Sample : il4pest,42e,,pp 11684 L0.003
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:00:58 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:00:35 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

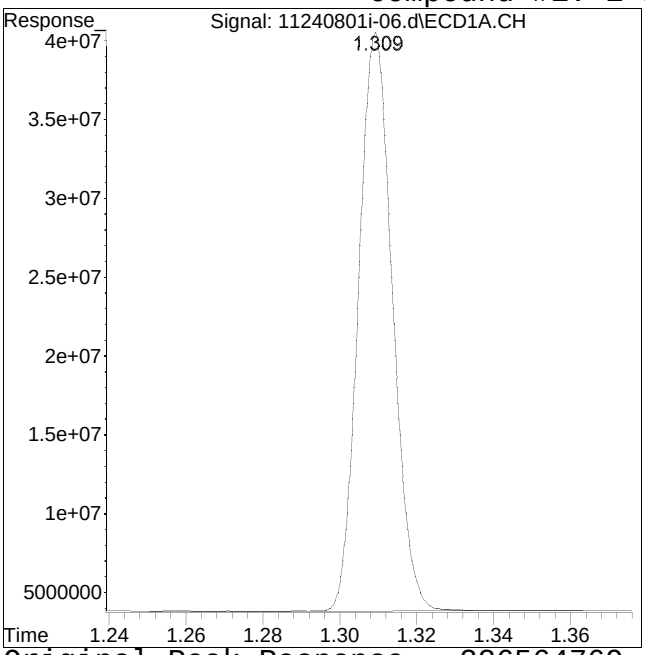


Manual Integration Report

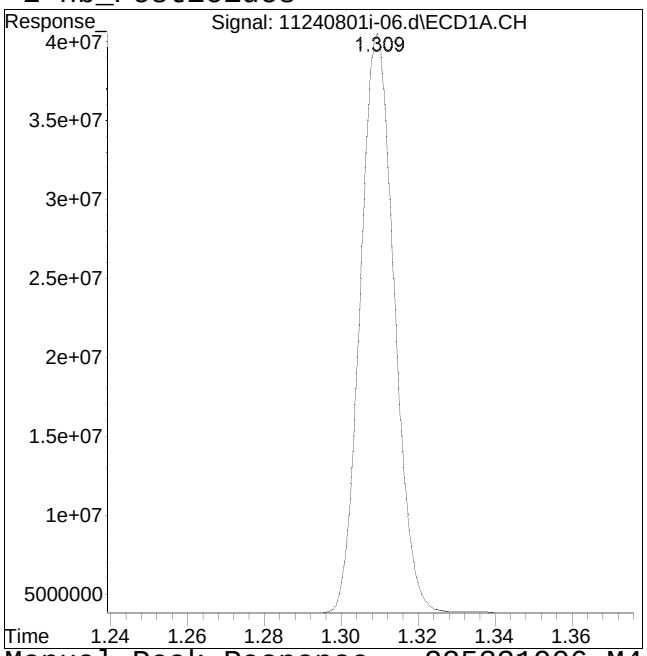
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 226564769



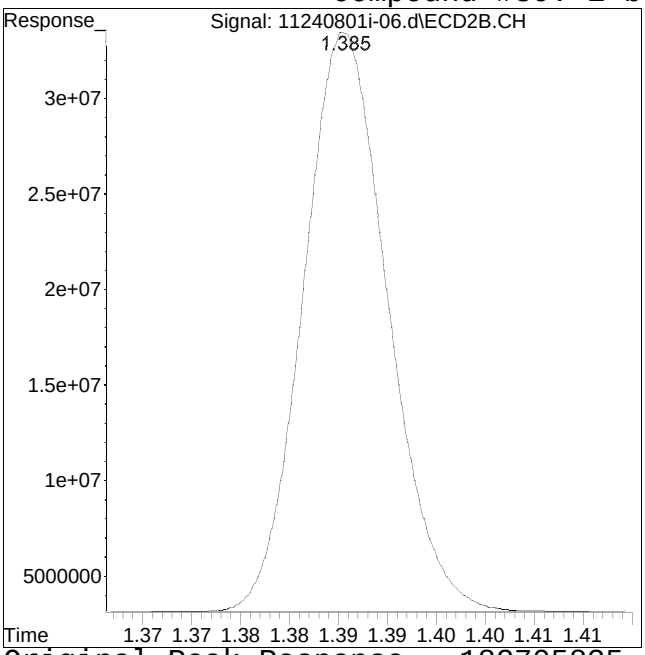
Manual Peak Response = 225331906 M4

M4 = Poor automated baseline construction.

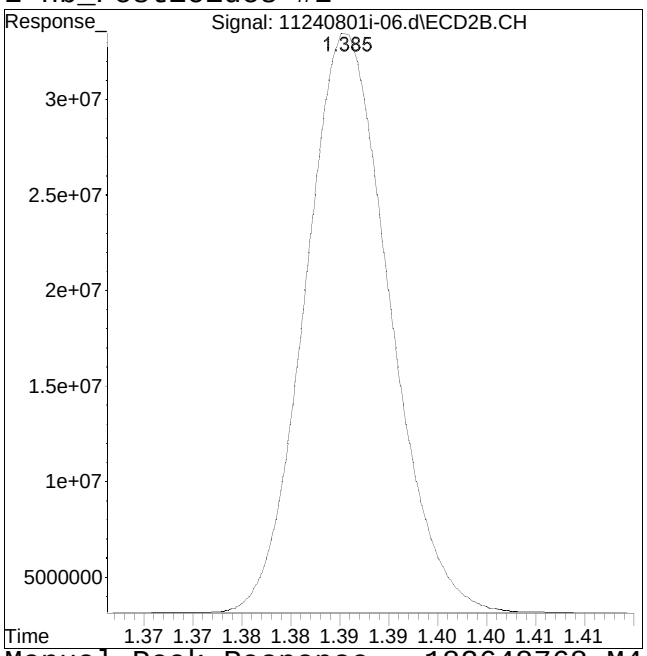
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 182705835



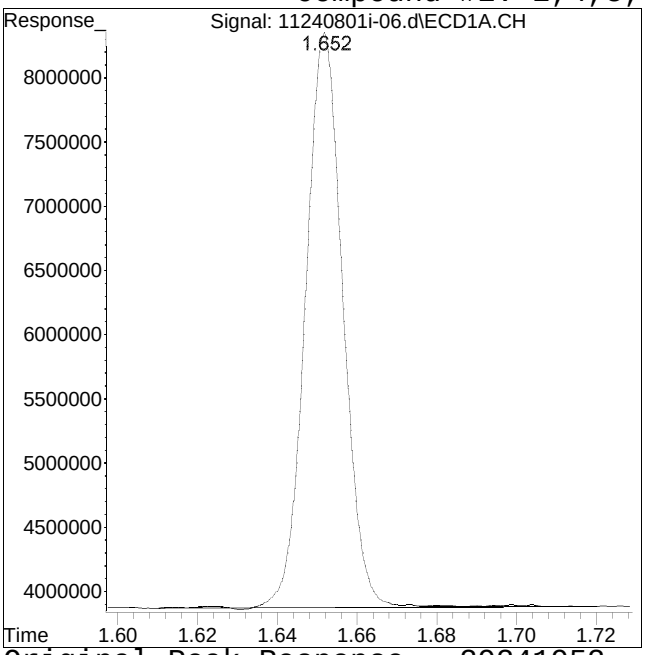
Manual Peak Response = 182648768 M4

M4 = Poor automated baseline construction.

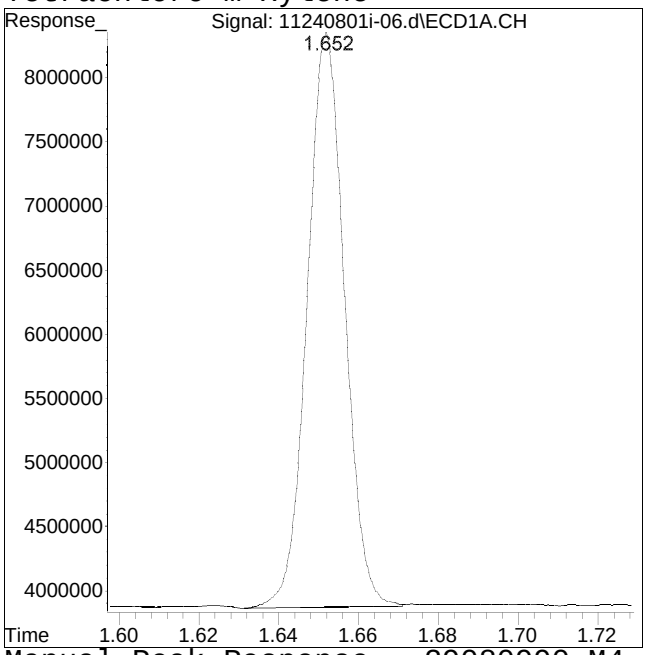
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 29241952



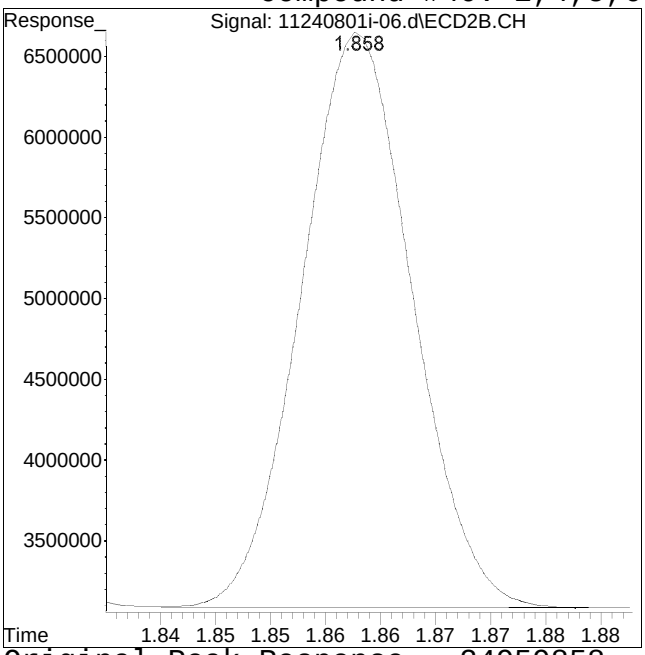
Manual Peak Response = 29080990 M4

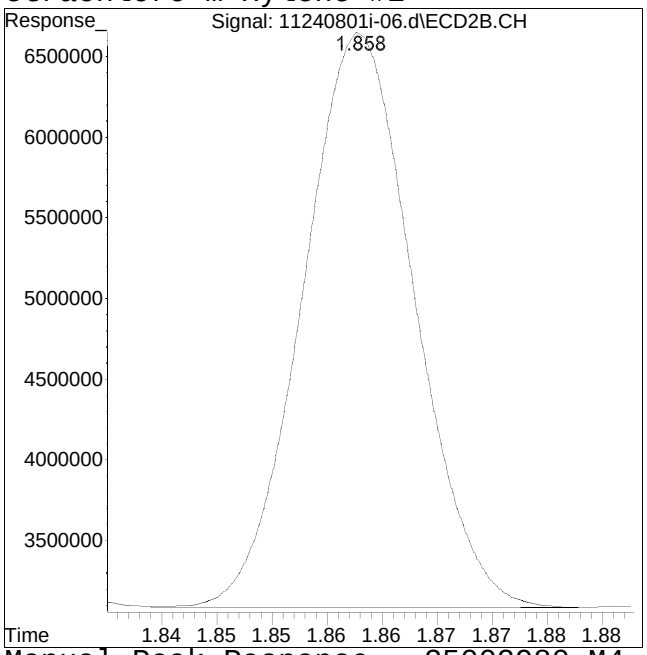
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



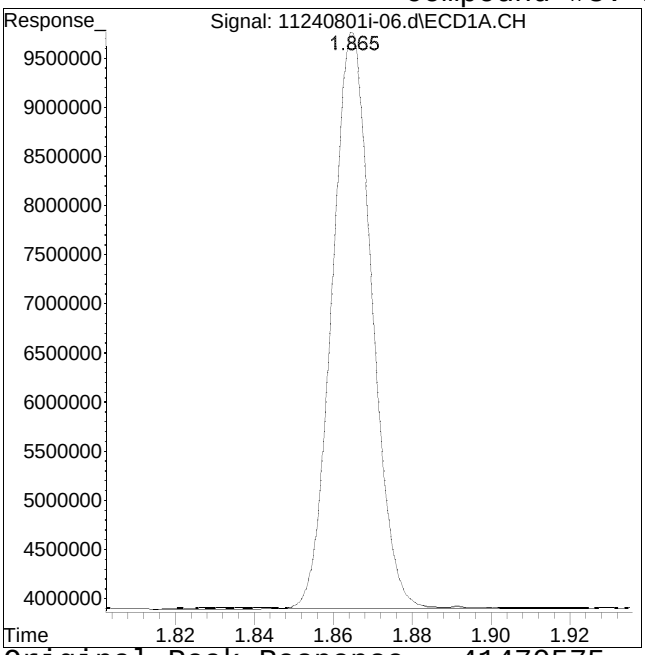


Original Peak Response = 24959858 Manual Peak Response = 25002980 M4
M4 = Poor automated baseline construction.

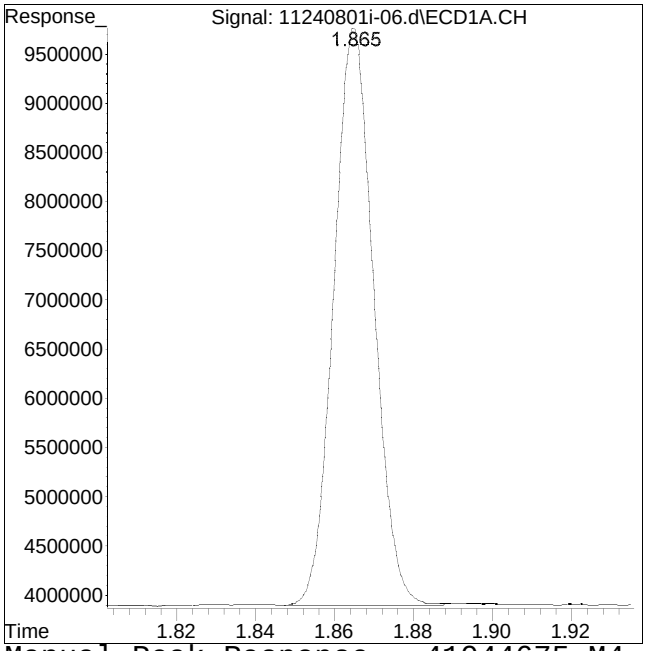
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #3: Hexachlorobenzene



Original Peak Response = 41470575



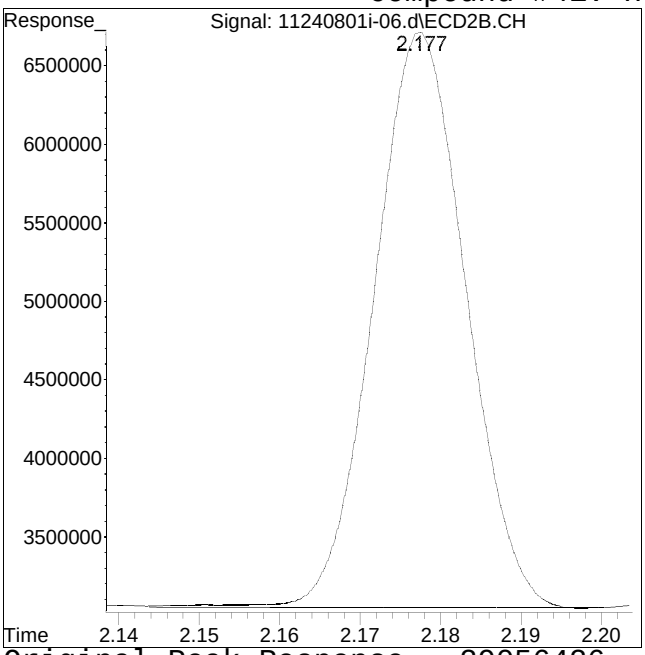
Manual Peak Response = 41044675 M4

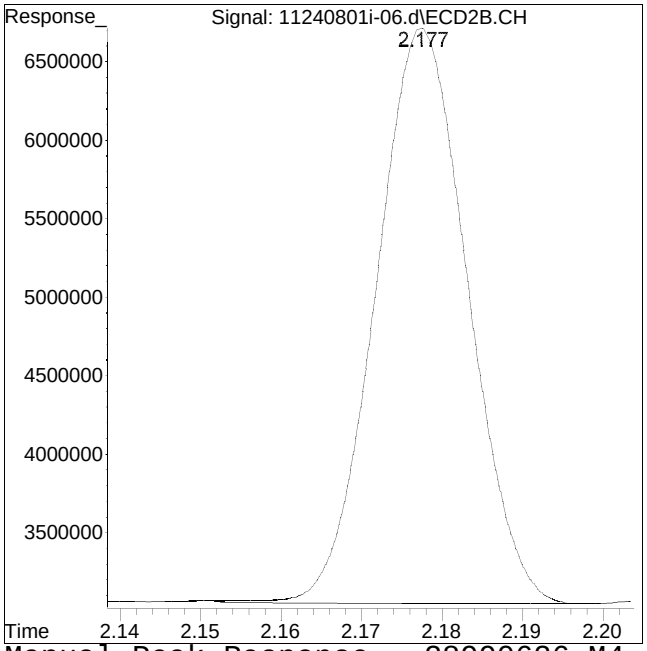
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #41: Hexachlorobenzene #2



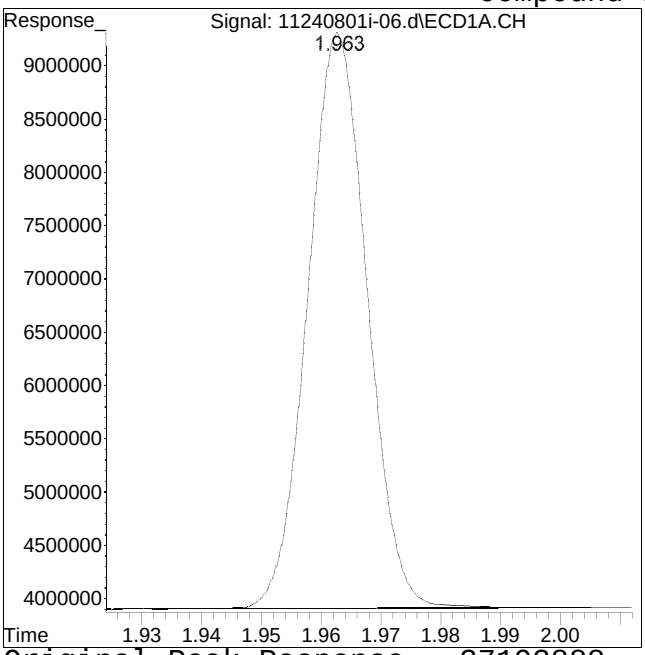


Original Peak Response = 29056426 Manual Peak Response = 28990626 M4
M4 = Poor automated baseline construction.

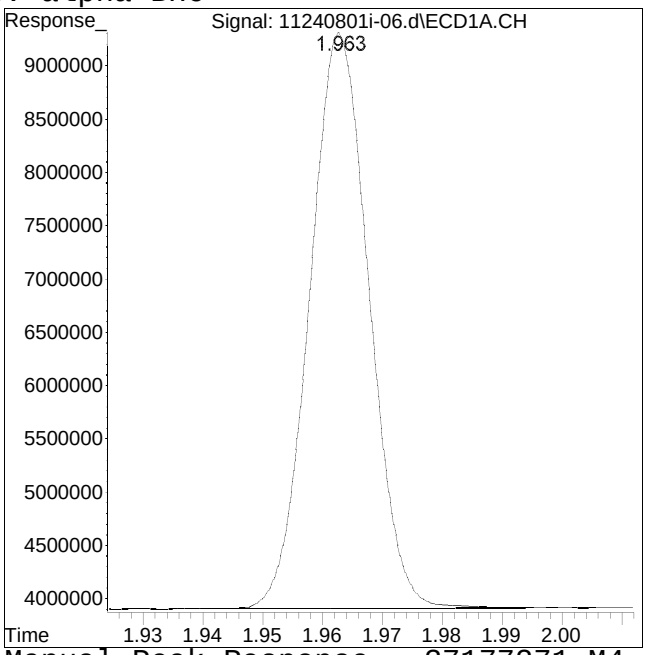
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0 Quant Date : 8/2/2024 11:00 am

Compound #4: alpha-BHC



Original Peak Response = 37193888



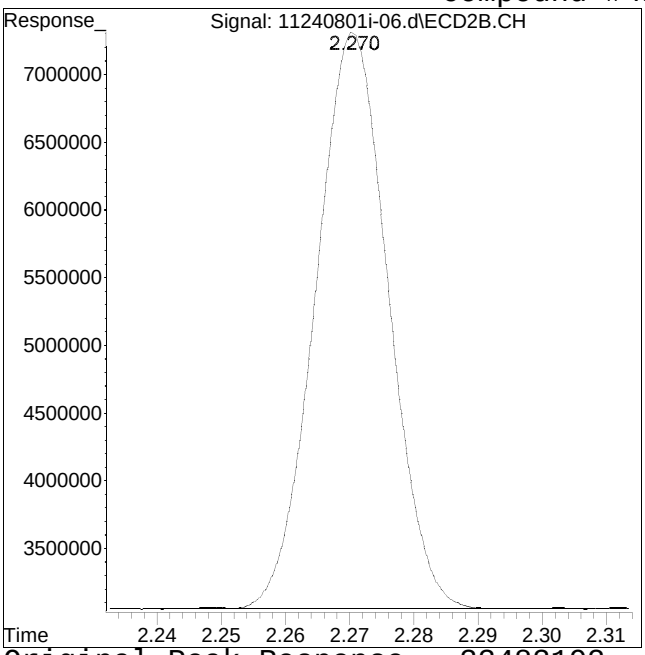
Manual Peak Response = 37177271 M4

M4 = Poor automated baseline construction.

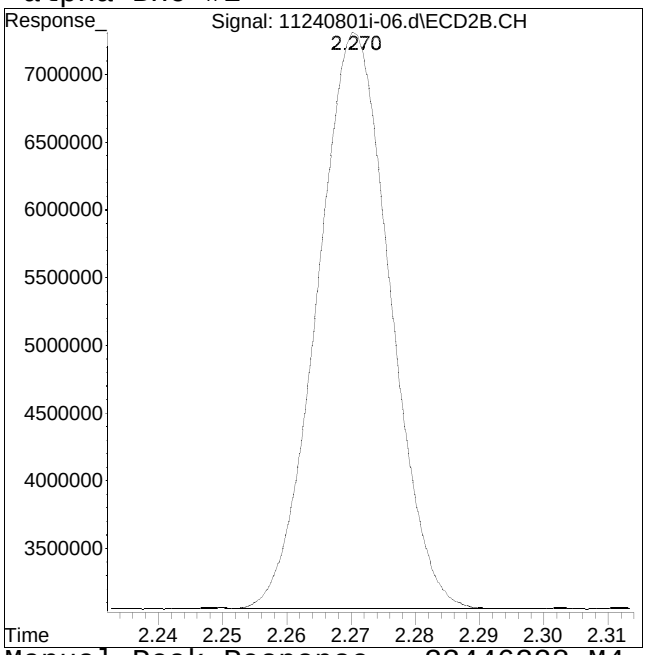
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #42: alpha-BHC #2



Original Peak Response = 33483192



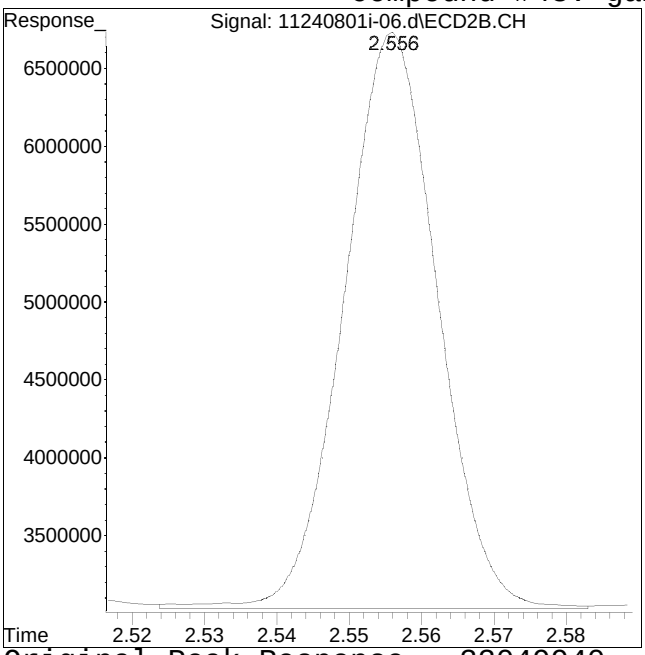
Manual Peak Response = 33446228 M4

M4 = Poor automated baseline construction.

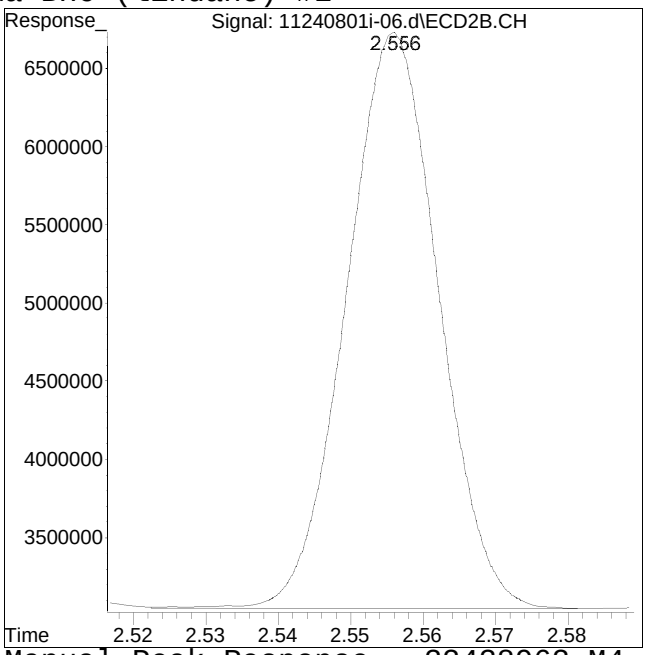
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 33049940



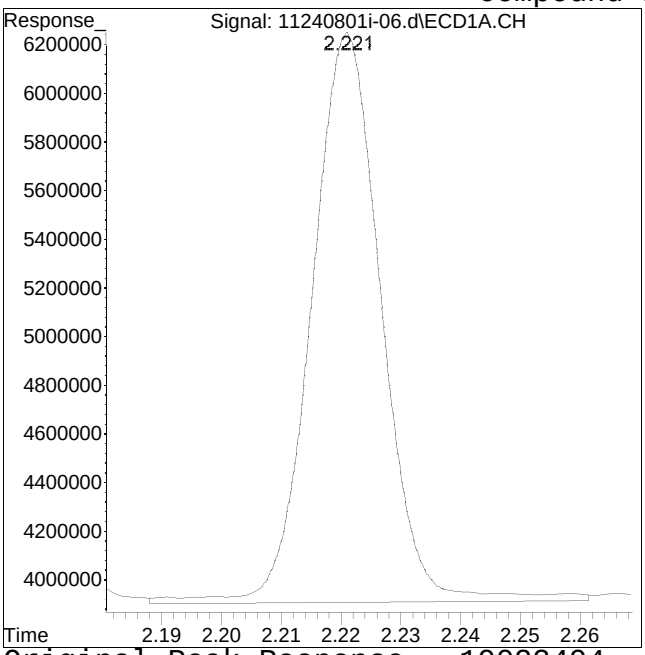
Manual Peak Response = 32438962 M4

M4 = Poor automated baseline construction.

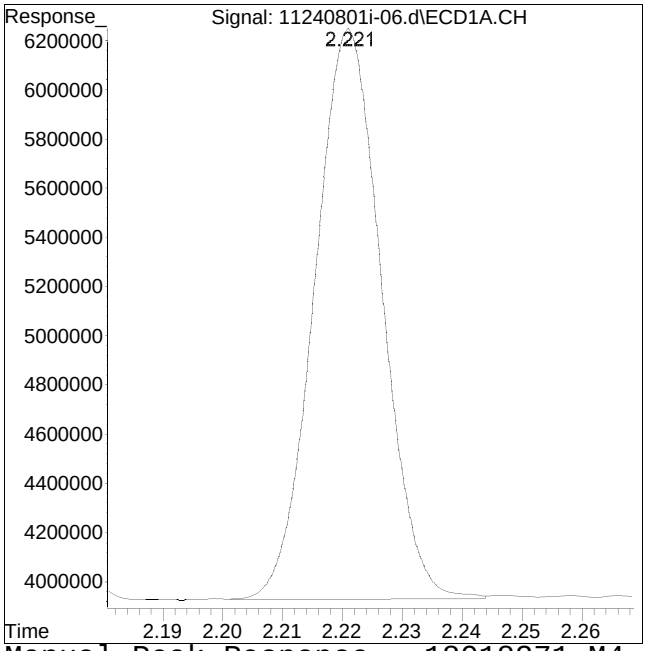
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #6: beta-BHC



Original Peak Response = 19022494



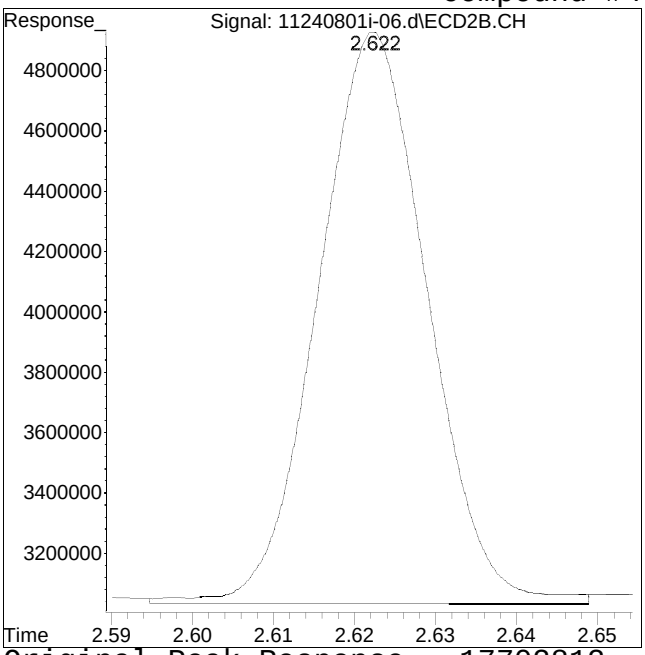
Manual Peak Response = 18018371 M4

M4 = Poor automated baseline construction.

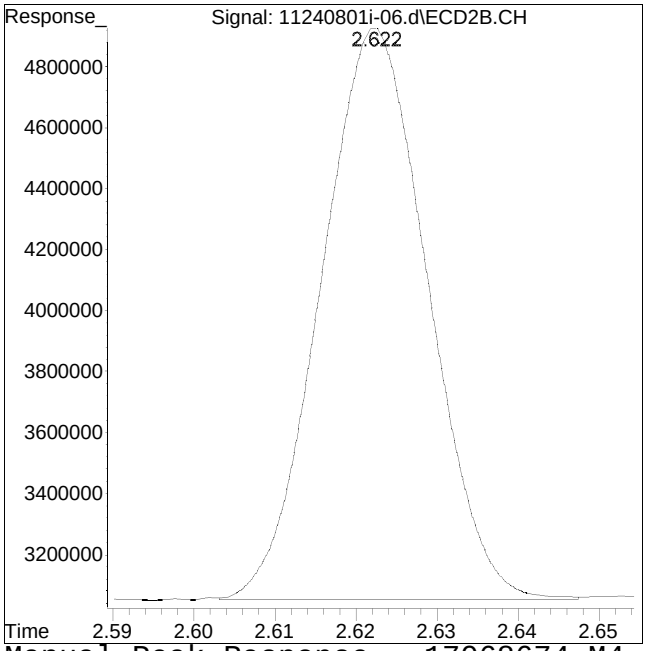
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #44: beta-BHC #2



Original Peak Response = 17702812

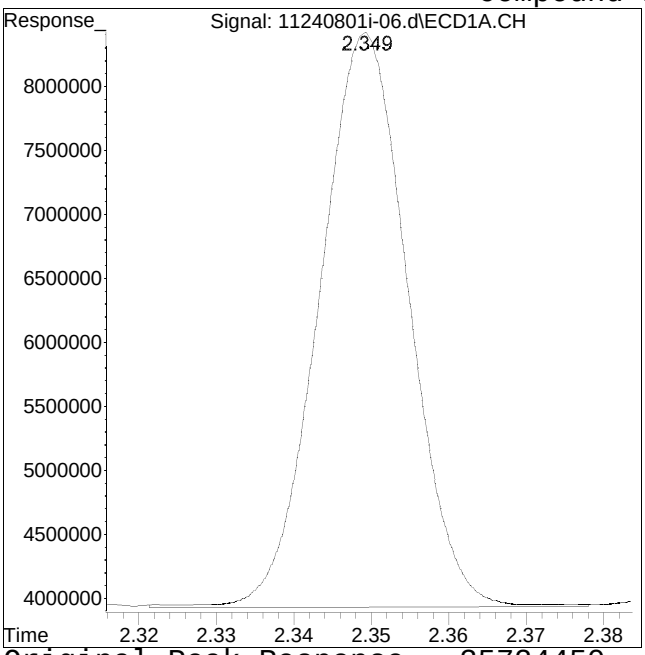


Manual Peak Response = 17068674 M4
M4 = Poor automated baseline construction.

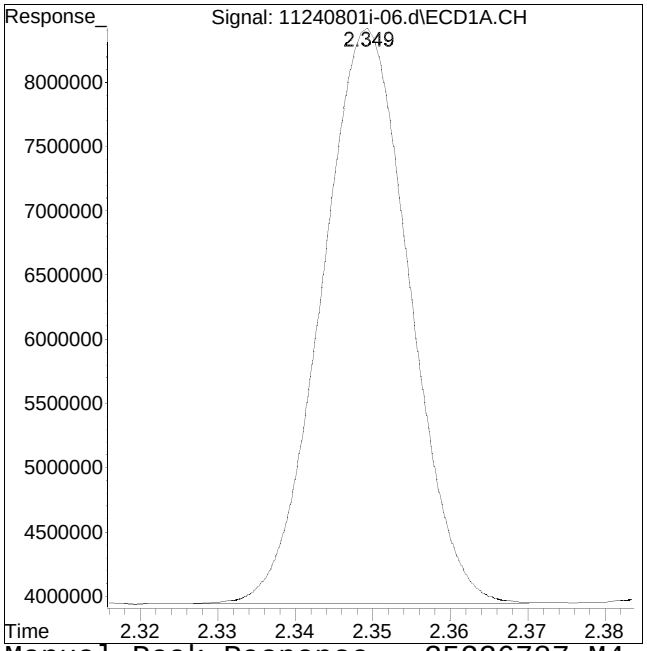
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #7: delta-BHC



Original Peak Response = 35724450



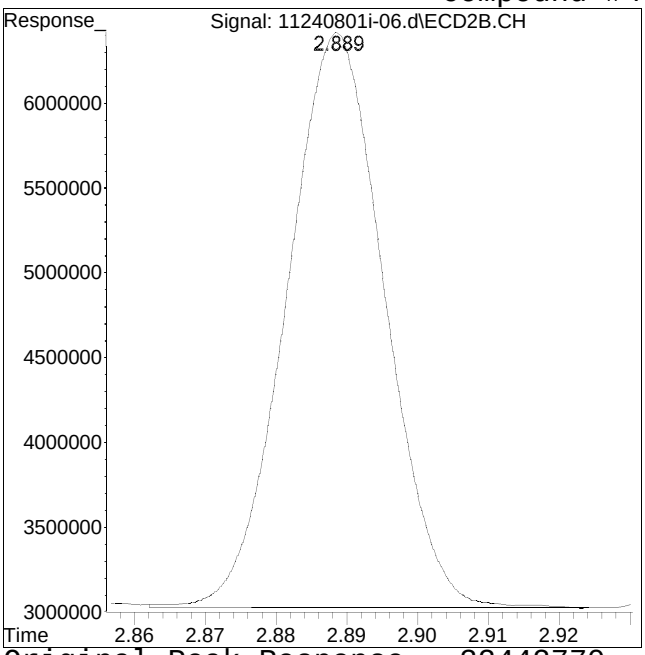
Manual Peak Response = 35236787 M4

M4 = Poor automated baseline construction.

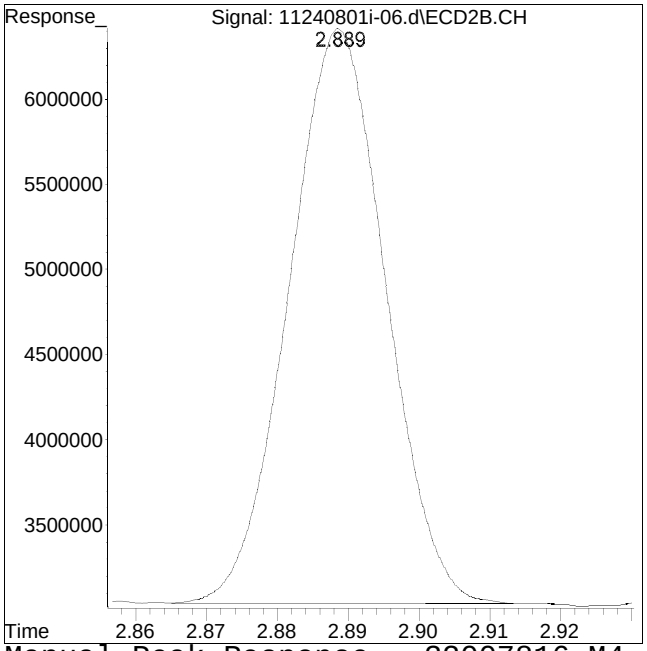
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #45: delta-BHC #2



Original Peak Response = 32442770



Manual Peak Response = 32007816 M4

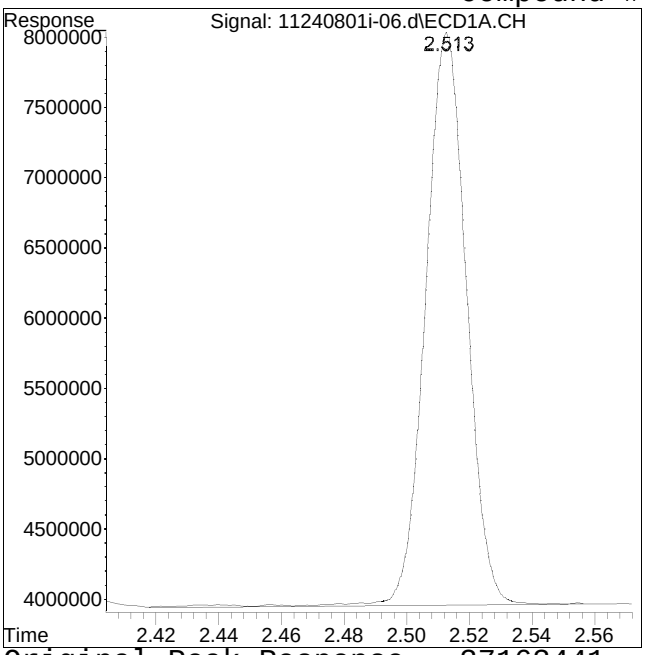
M4 = Poor automated baseline construction.

Manual Integration Report

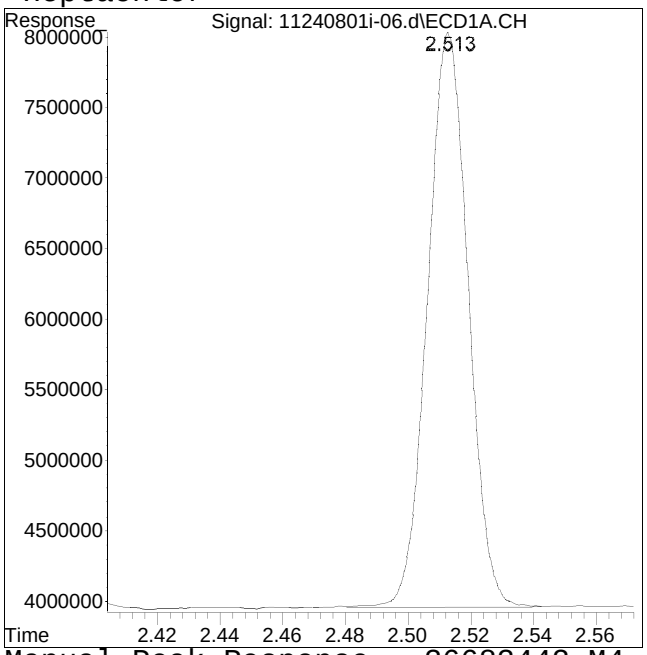
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #8: Heptachlor



Original Peak Response = 37163441



Manual Peak Response = 36683442 M4

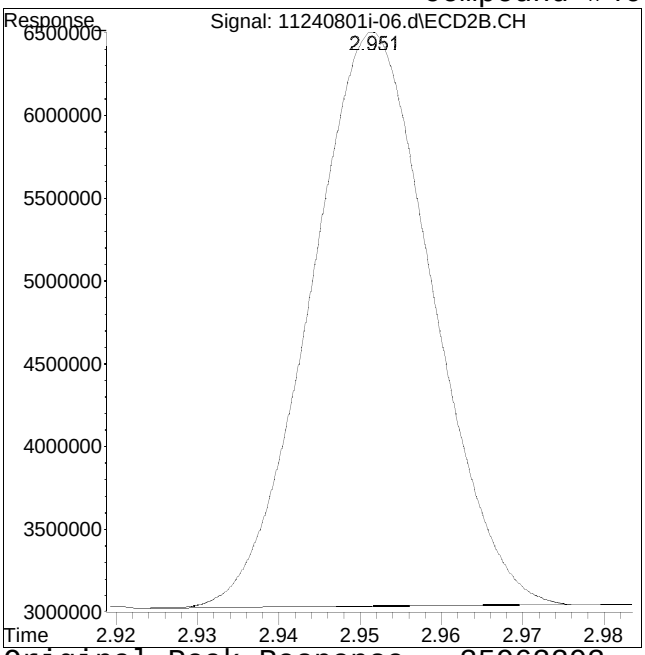
M4 = Poor automated baseline construction.

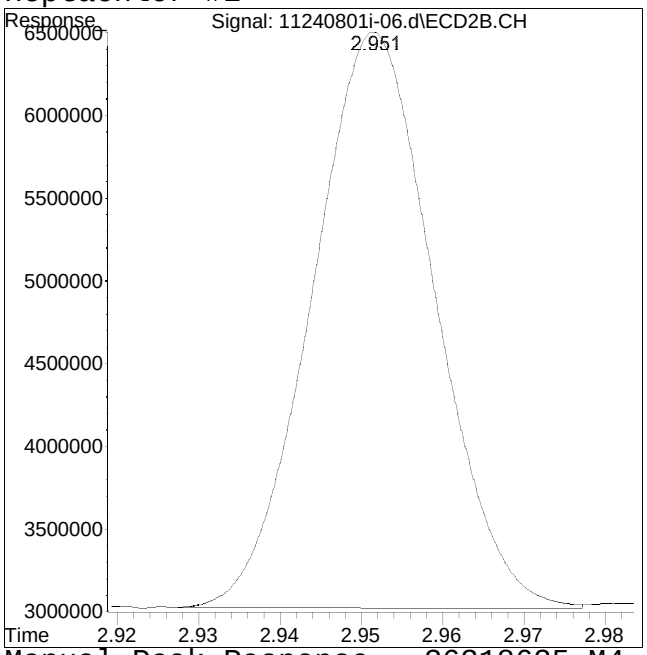
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #46: Heptachlor #2





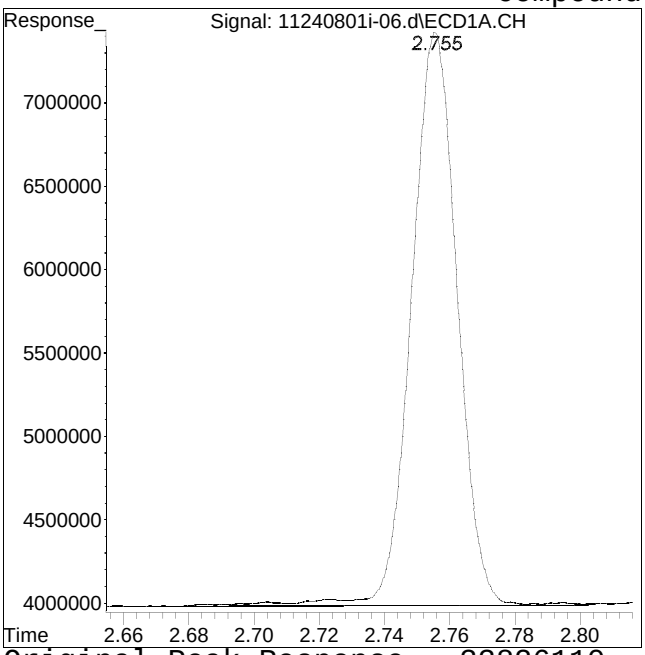
Original Peak Response = 35963293 Manual Peak Response = 36318635 M4
M4 = Poor automated baseline construction.

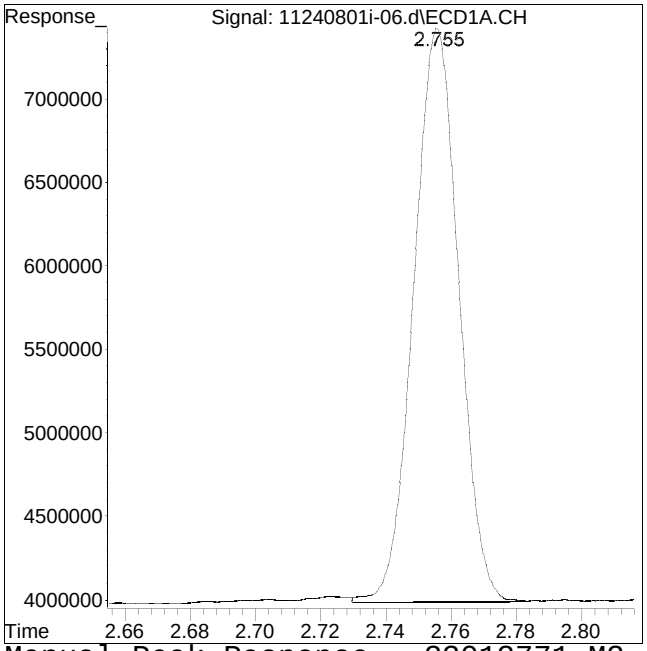
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #9: Aldrin





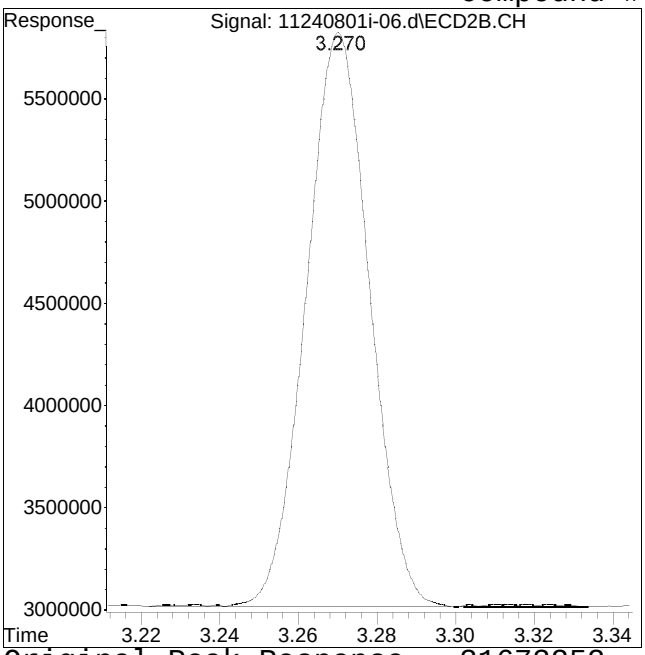
Original Peak Response = 33826110 Manual Peak Response = 33013771 M3

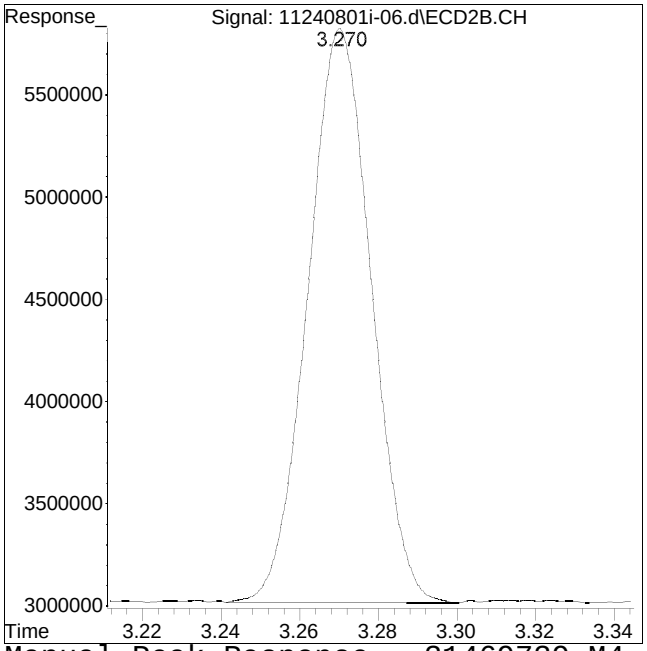
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #47: Aldrin #2



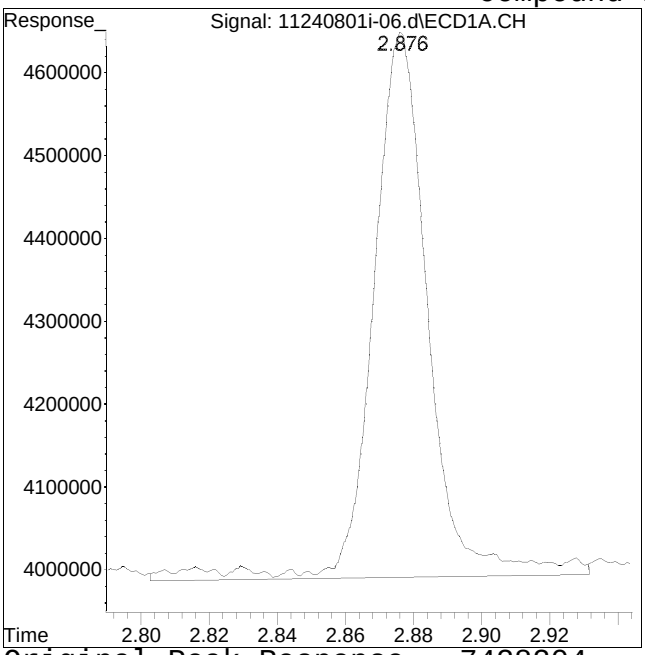


Original Peak Response = 31673252 Manual Peak Response = 31469739 M4
M4 = Poor automated baseline construction.

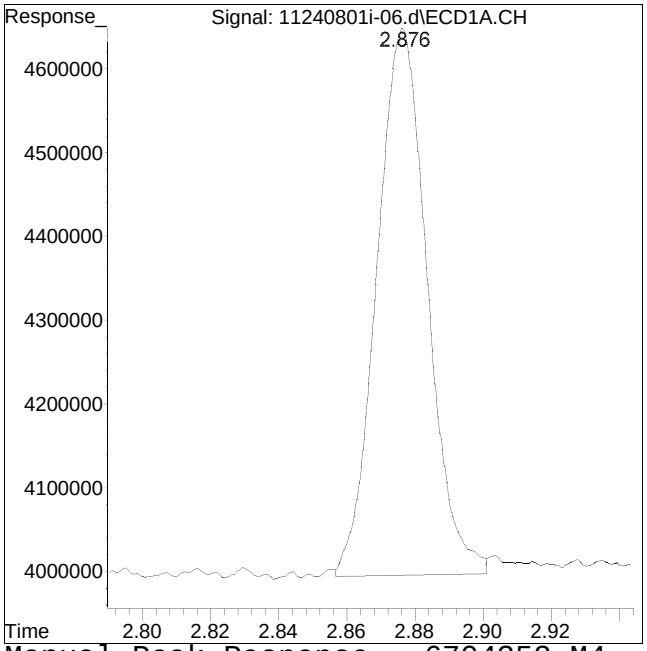
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #10: Alachlor



Original Peak Response = 7428204



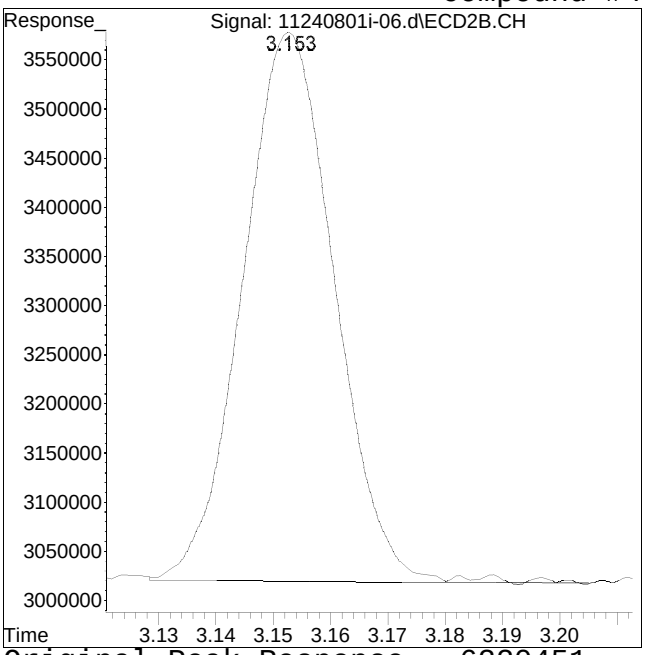
Manual Peak Response = 6704352 M4

M4 = Poor automated baseline construction.

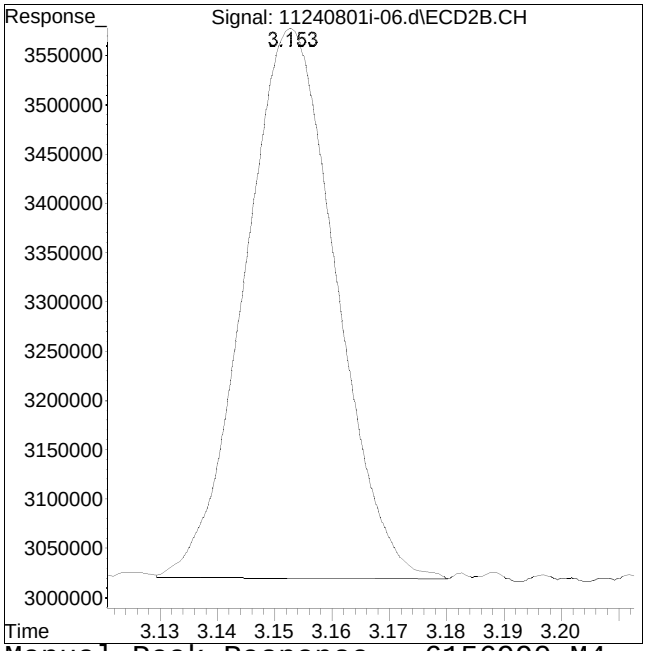
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #48: Alachlor #2



Original Peak Response = 6220451



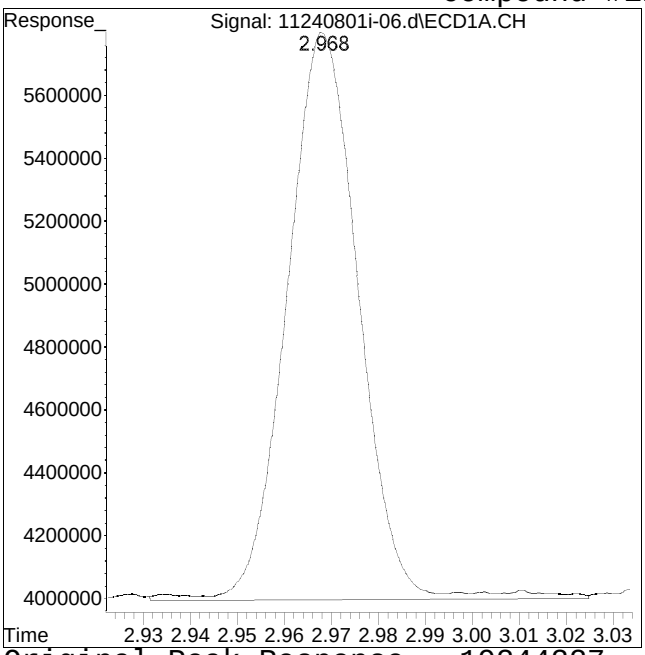
Manual Peak Response = 6156990 M4

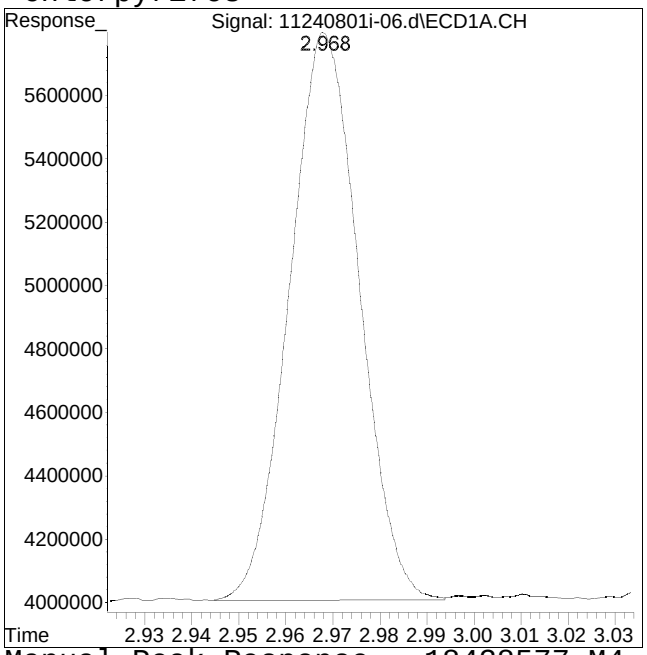
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #11: Chlorpyrifos





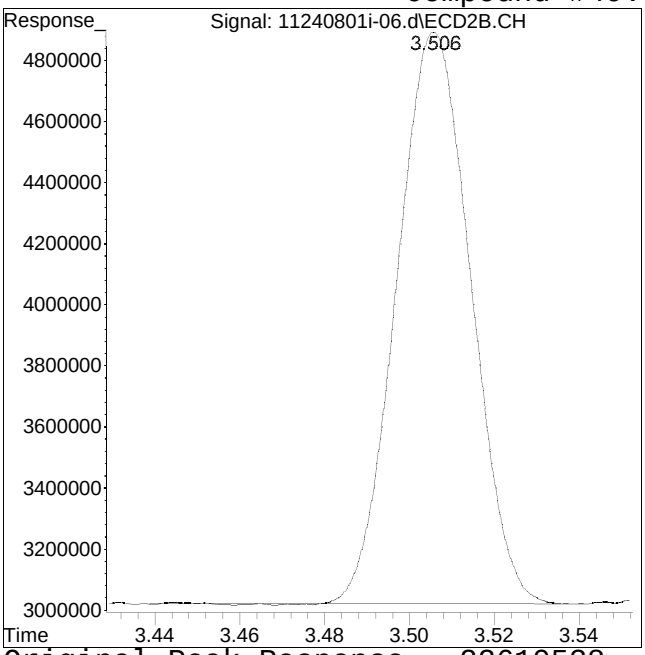
Original Peak Response = 19244227 Manual Peak Response = 18438577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

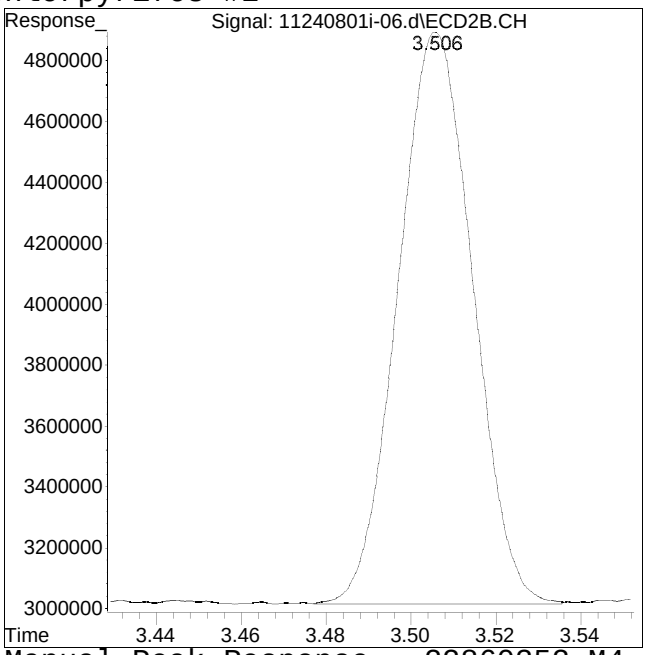
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 22610538



Manual Peak Response = 22860352 M4

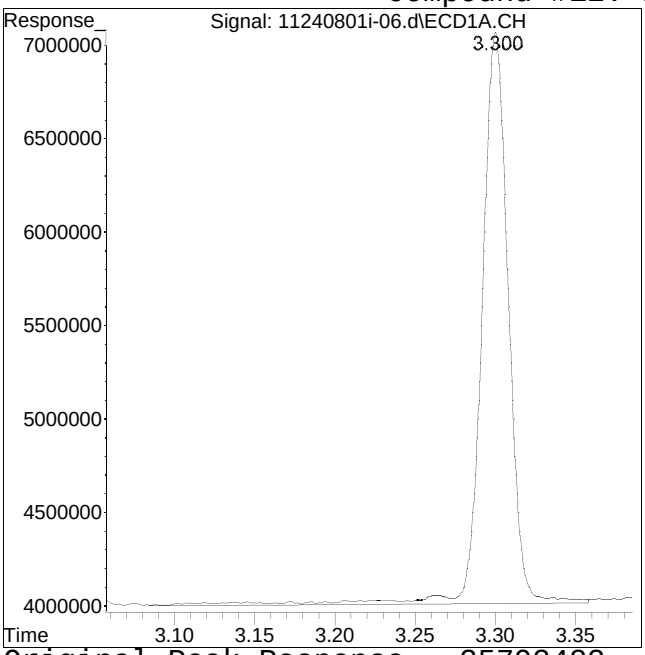
M4 = Poor automated baseline construction.

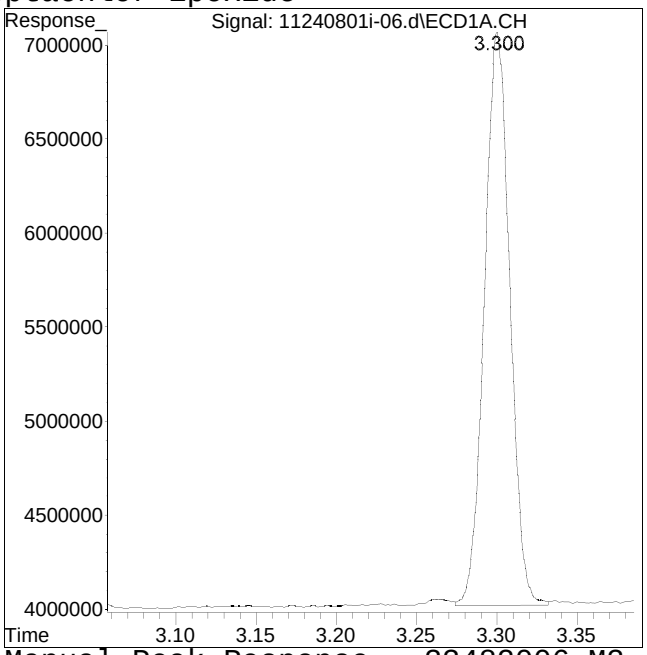
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #12: Heptachlor Epoxide





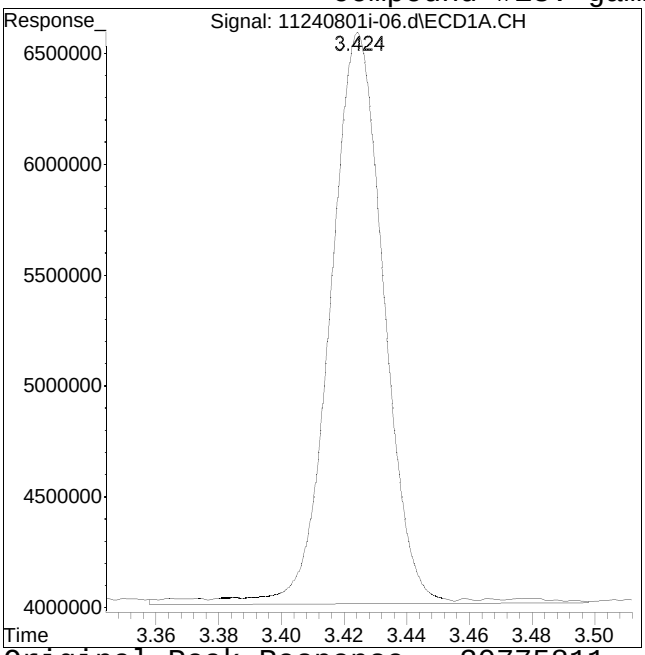
Original Peak Response = 35792422 Manual Peak Response = 33482006 M3

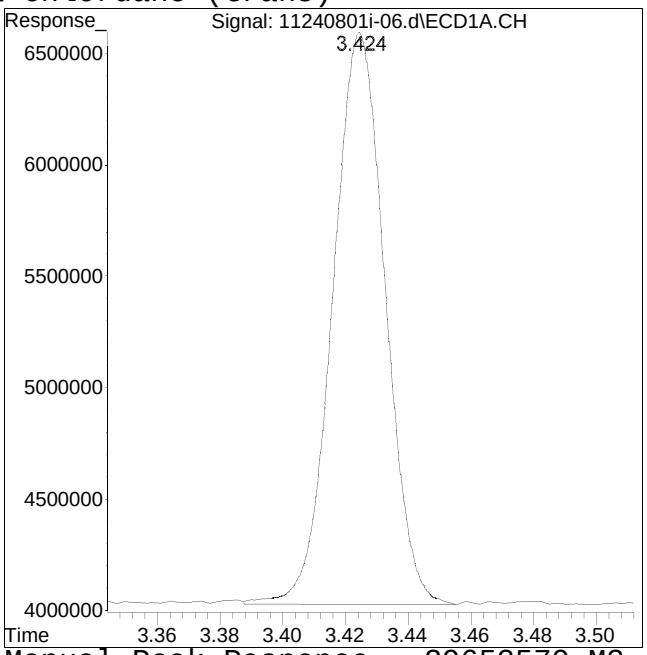
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #13: gamma-Chlordane (trans)



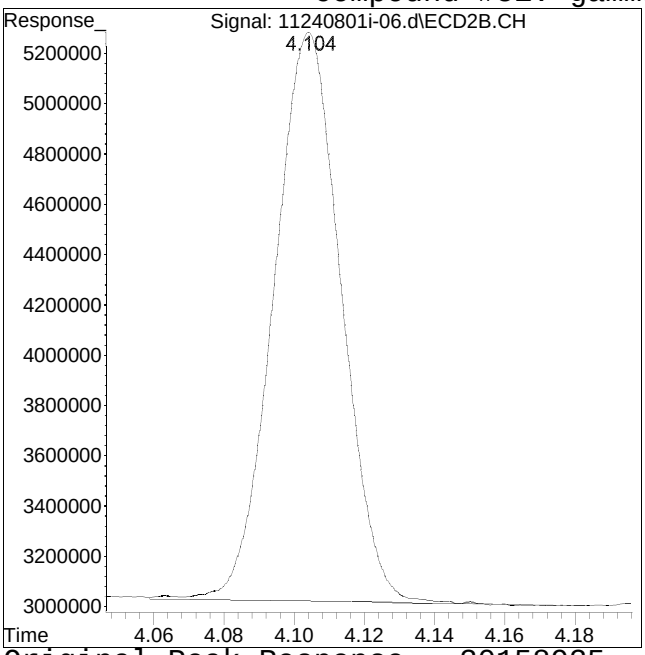


Original Peak Response = 30775811 Manual Peak Response = 29652579 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

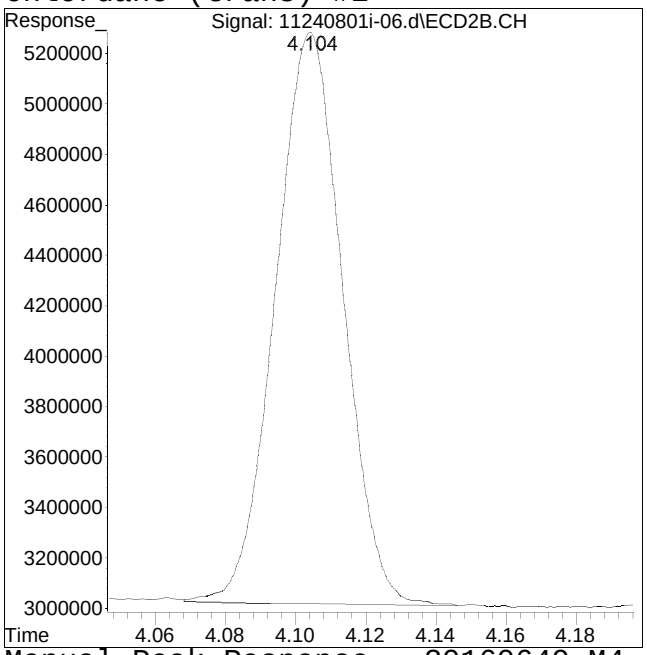
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 30158935



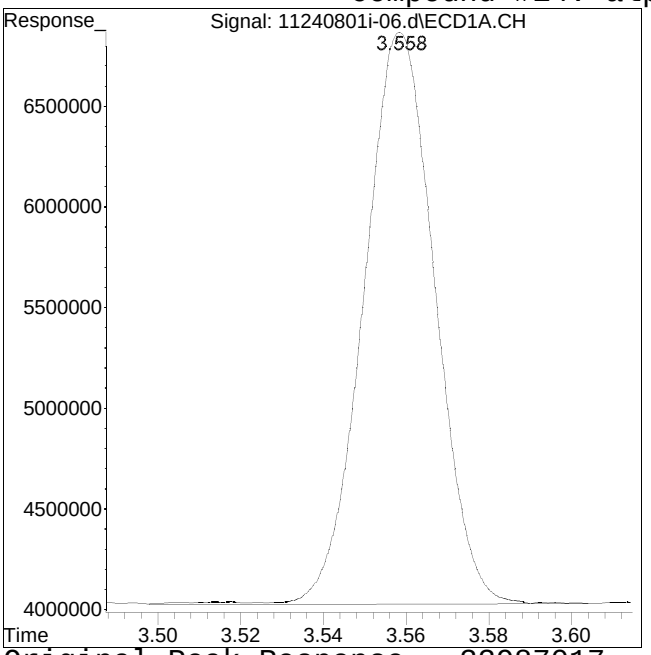
Manual Peak Response = 30160649 M4

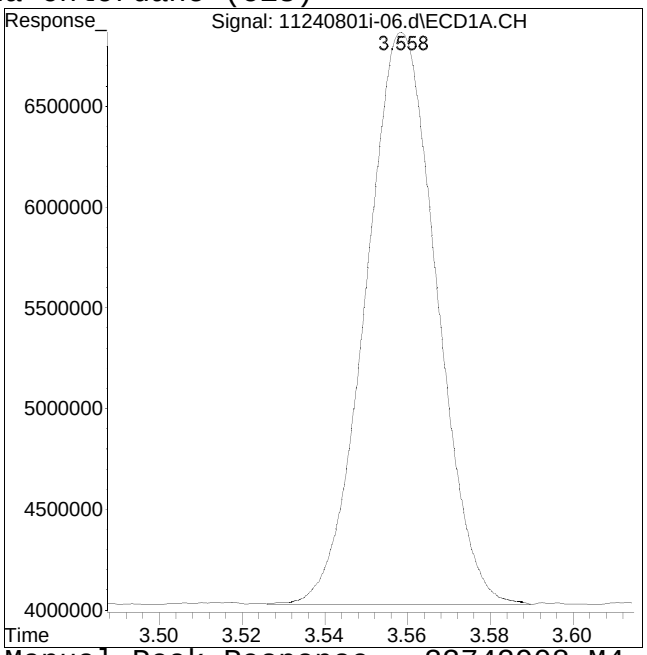
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #14: alpha-Chlordane (cis)





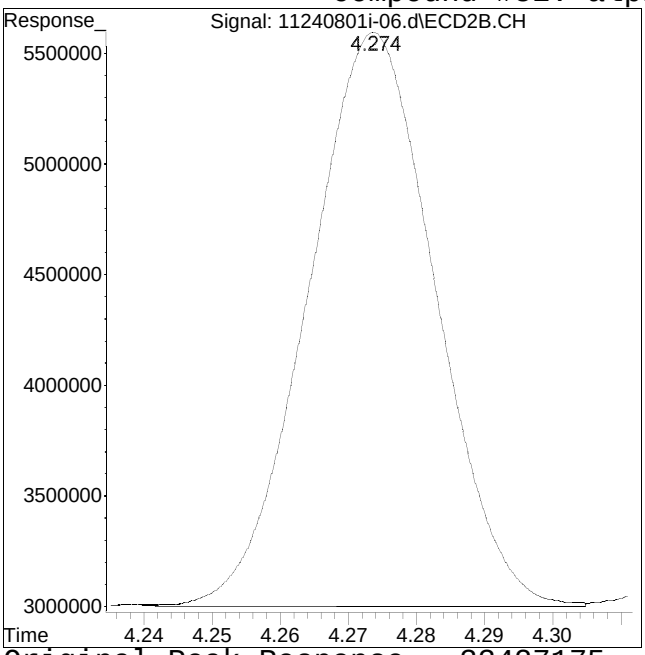
Original Peak Response = 33987017 Manual Peak Response = 33742908 M4
M4 = Poor automated baseline construction.

Manual Integration Report

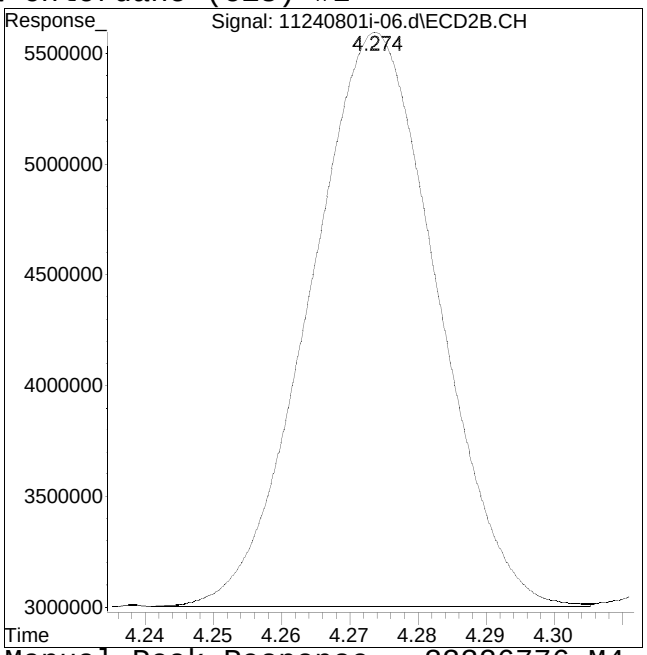
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 33427175



Manual Peak Response = 33326776 M4

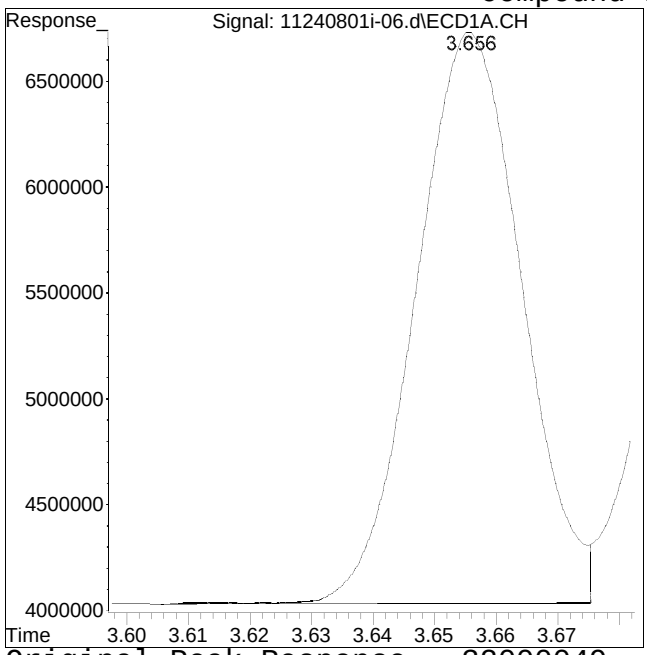
M4 = Poor automated baseline construction.

Manual Integration Report

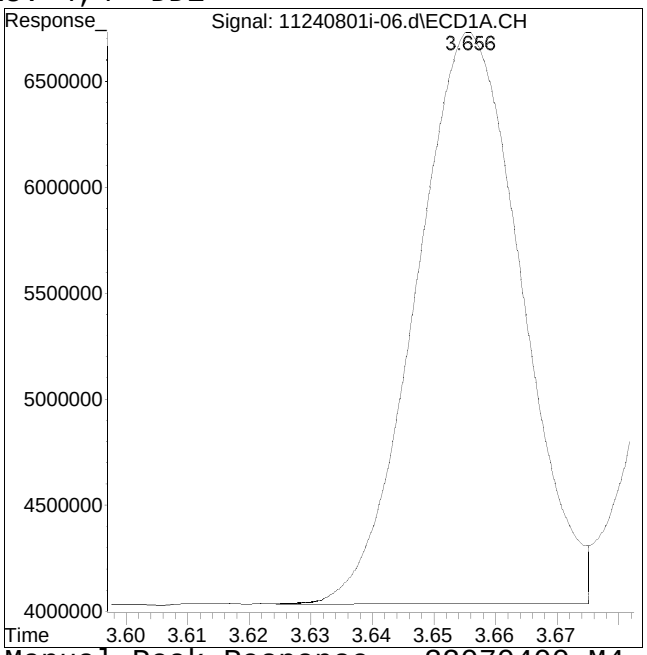
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #15: 4,4'-DDE



Original Peak Response = 32000049



Manual Peak Response = 32070400 M4

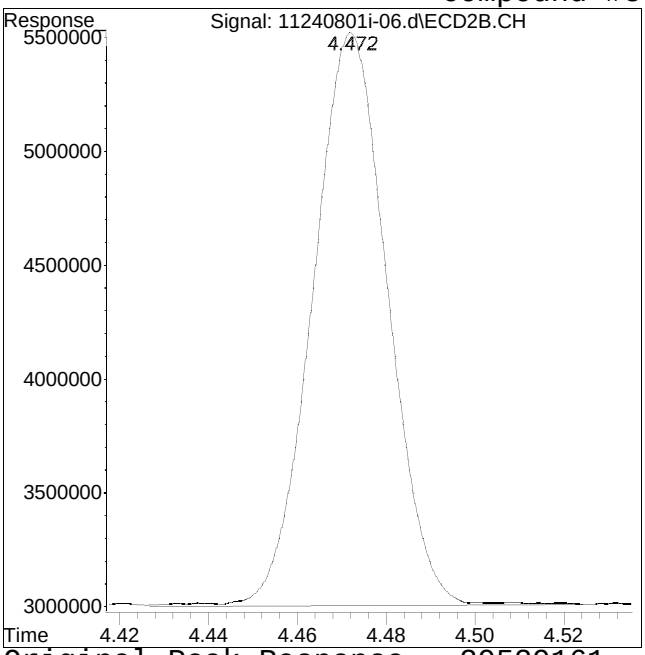
M4 = Poor automated baseline construction.

Manual Integration Report

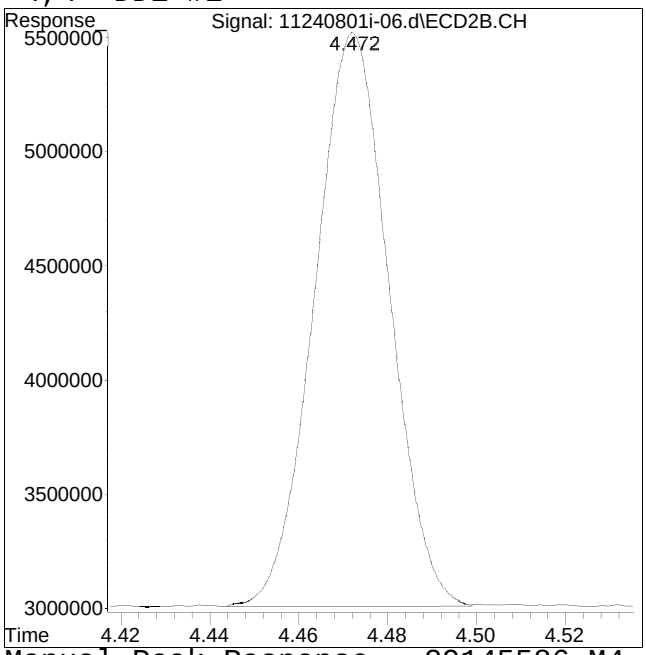
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 29529161



Manual Peak Response = 29145586 M4

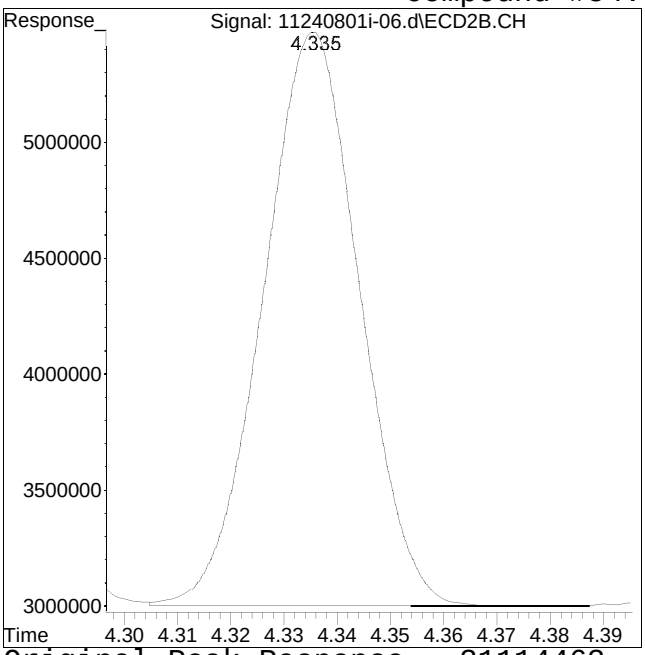
M4 = Poor automated baseline construction.

Manual Integration Report

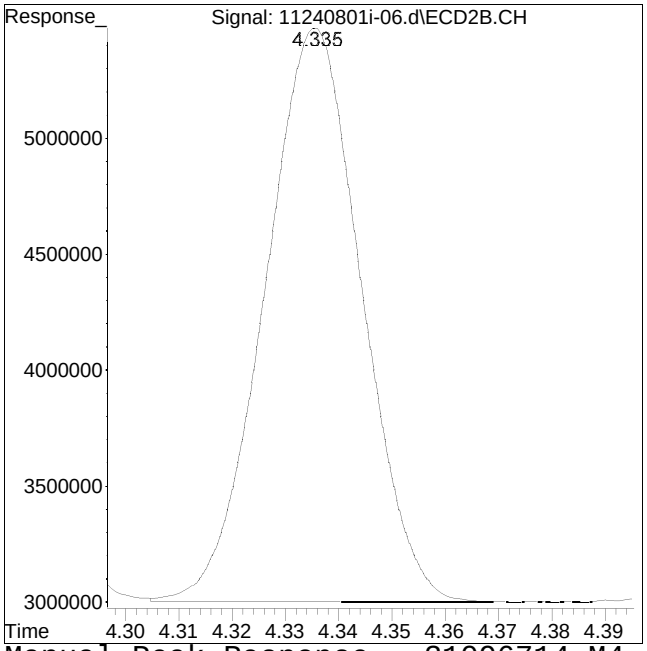
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #54: Endosulfan I #2



Original Peak Response = 31114463



Manual Peak Response = 31096714 M4

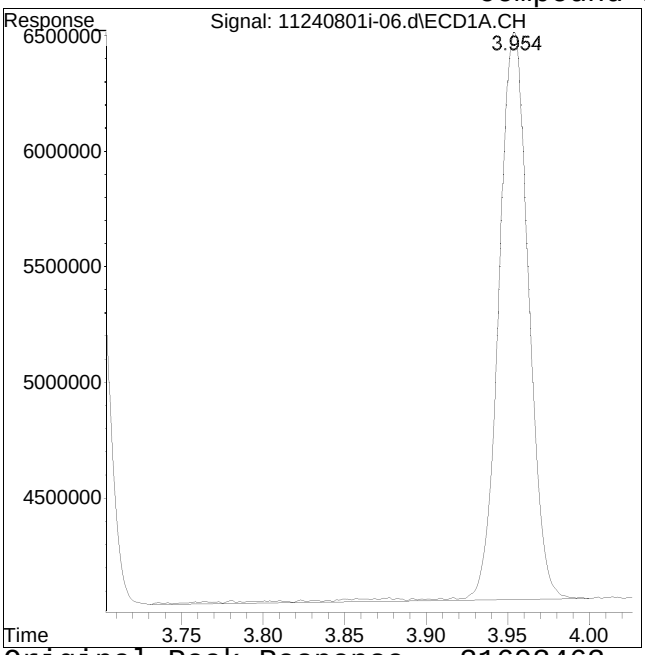
M4 = Poor automated baseline construction.

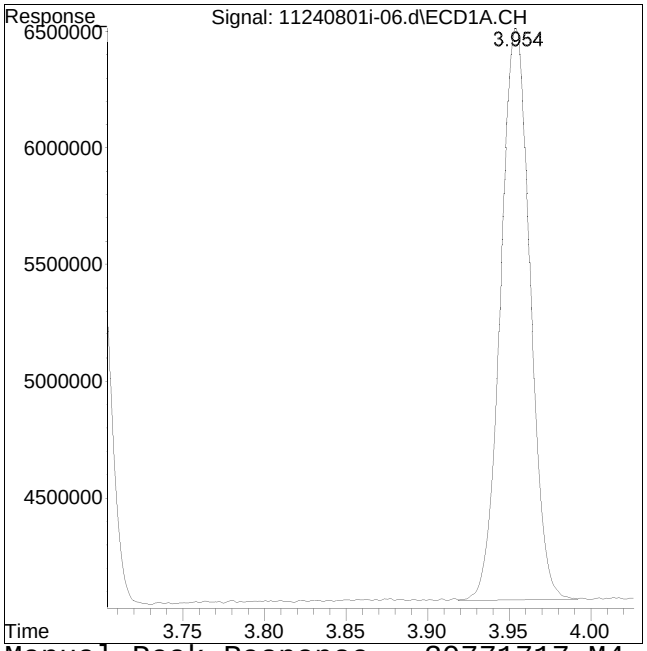
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #17: Dieldrin



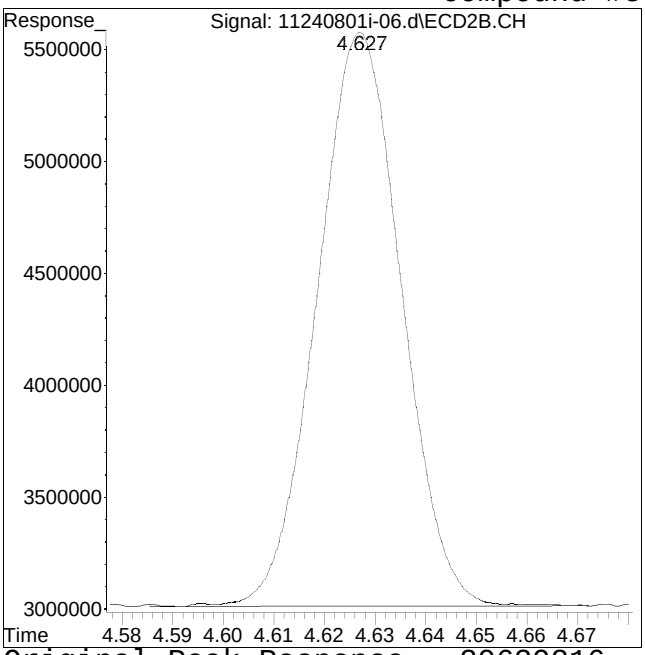


Original Peak Response = 31693463 Manual Peak Response = 30771717 M4
M4 = Poor automated baseline construction.

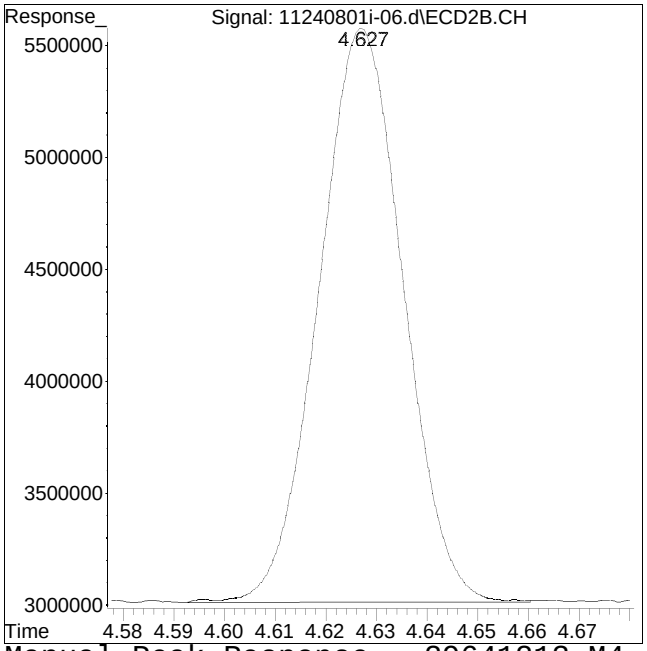
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #55: Dieldrin #2



Original Peak Response = 29639216



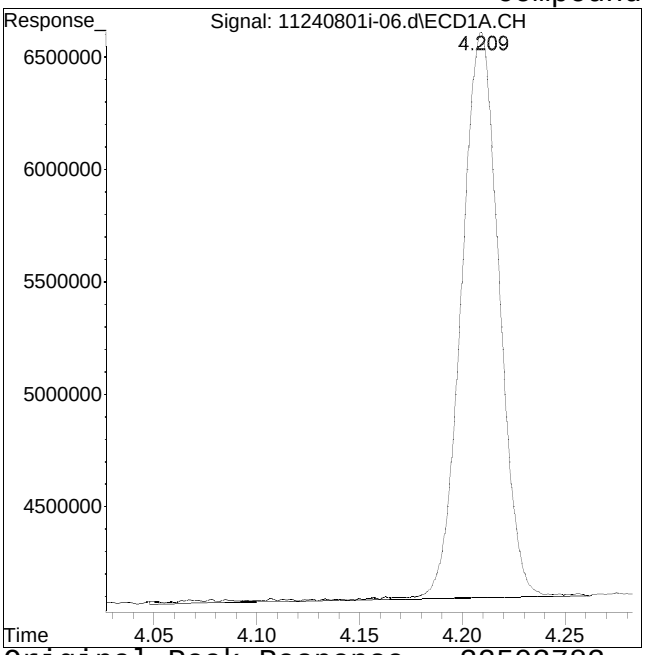
Manual Peak Response = 29641213 M4

M4 = Poor automated baseline construction.

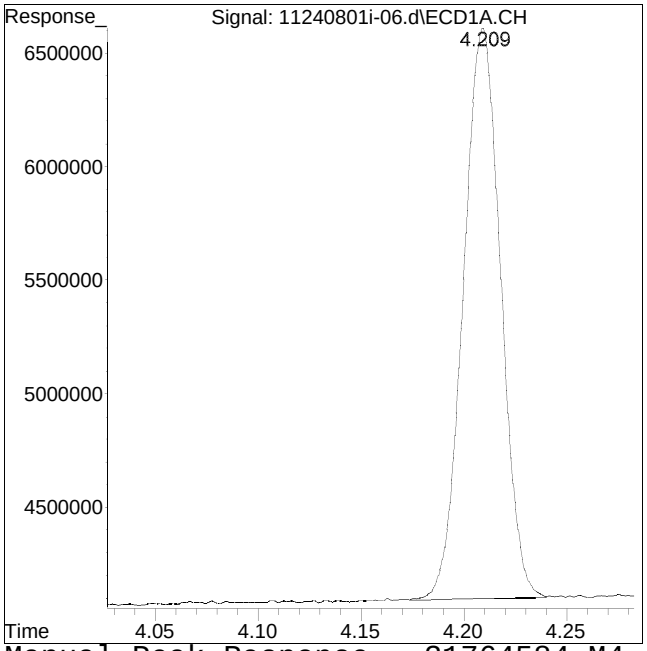
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #18: Endrin



Original Peak Response = 32503783



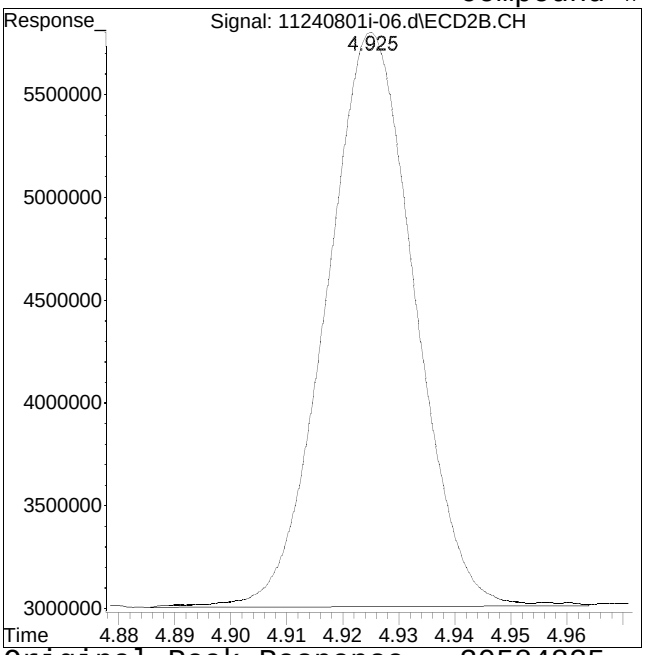
Manual Peak Response = 31764584 M4

M4 = Poor automated baseline construction.

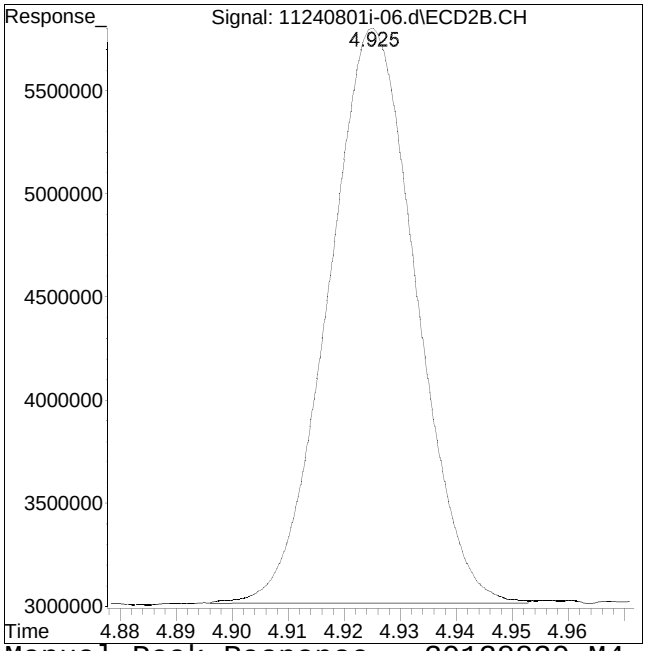
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #56: Endrin #2



Original Peak Response = 30584835



Manual Peak Response = 30138830 M4

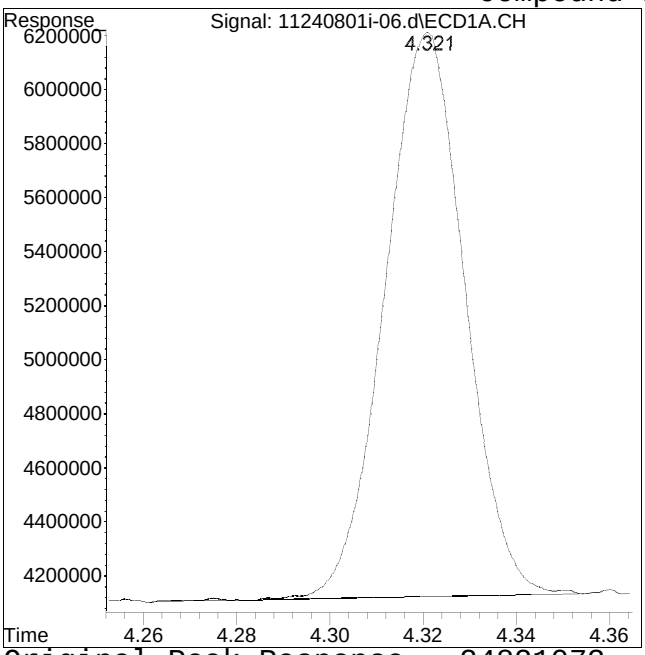
M4 = Poor automated baseline construction.

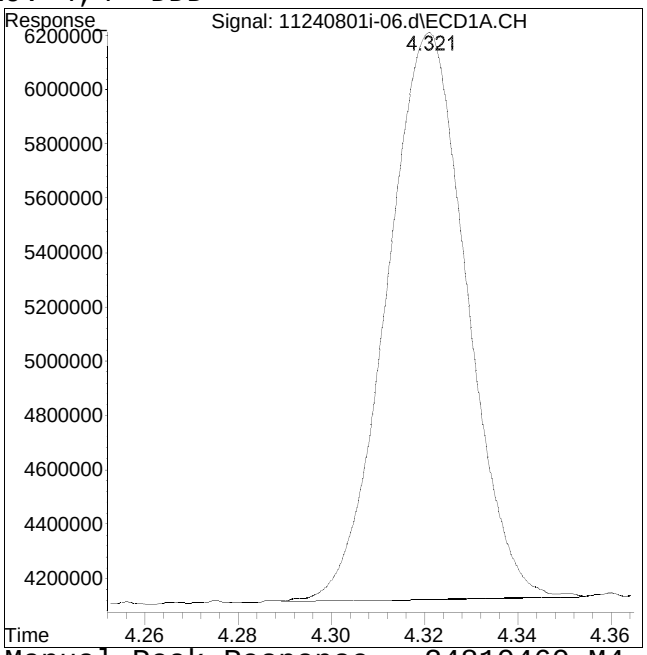
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #19: 4,4'-DDD





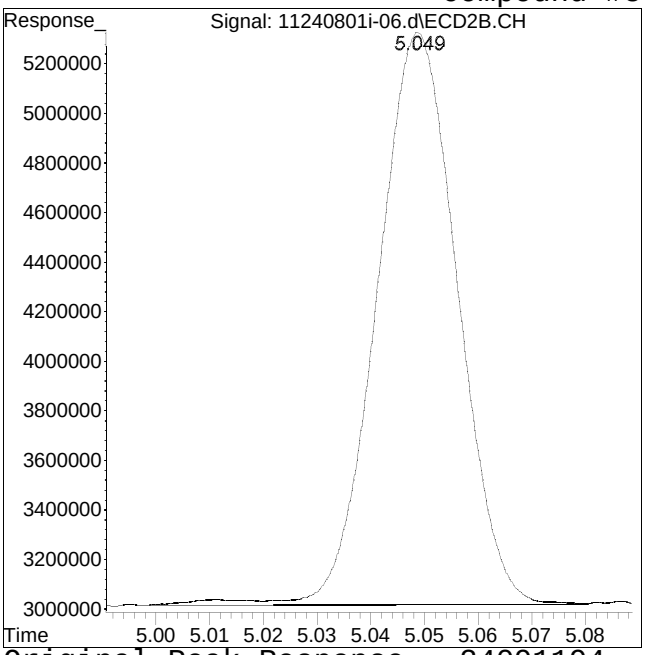
Original Peak Response = 24821073 Manual Peak Response = 24810460 M4
M4 = Poor automated baseline construction.

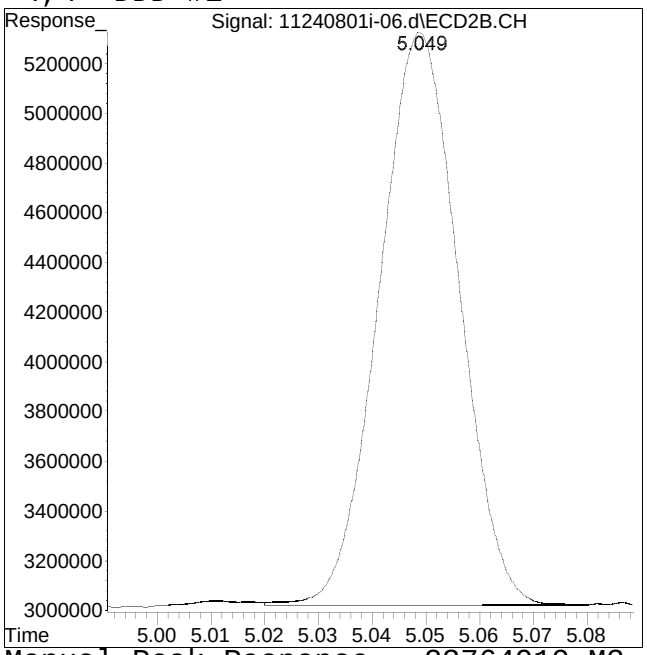
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #57: 4,4'-DDD #2





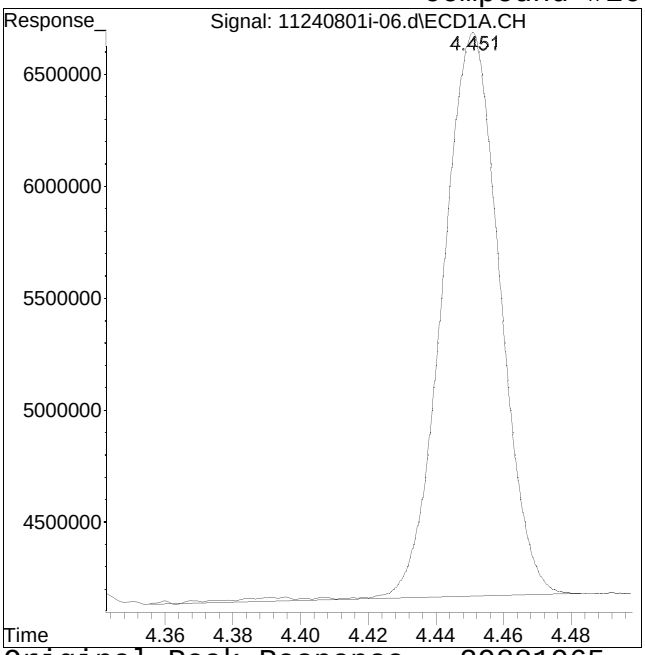
Original Peak Response = 24091194 Manual Peak Response = 23764919 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

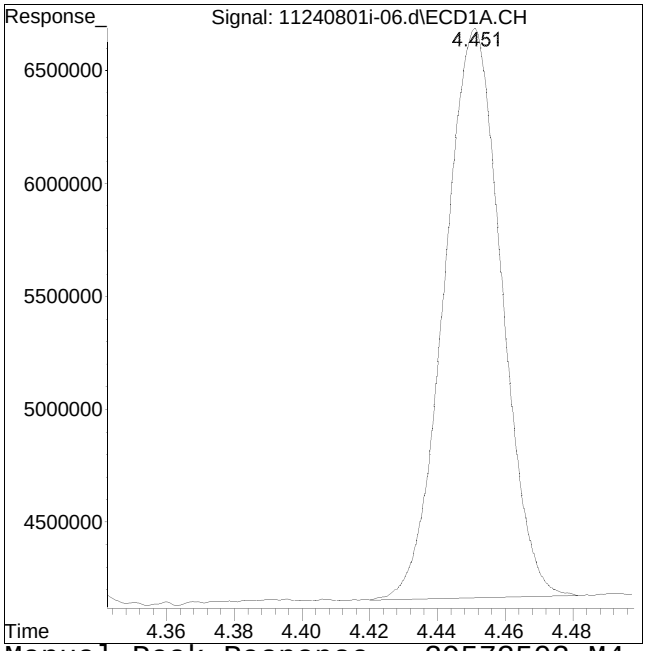
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #20: Endosulfan II



Original Peak Response = 29881965



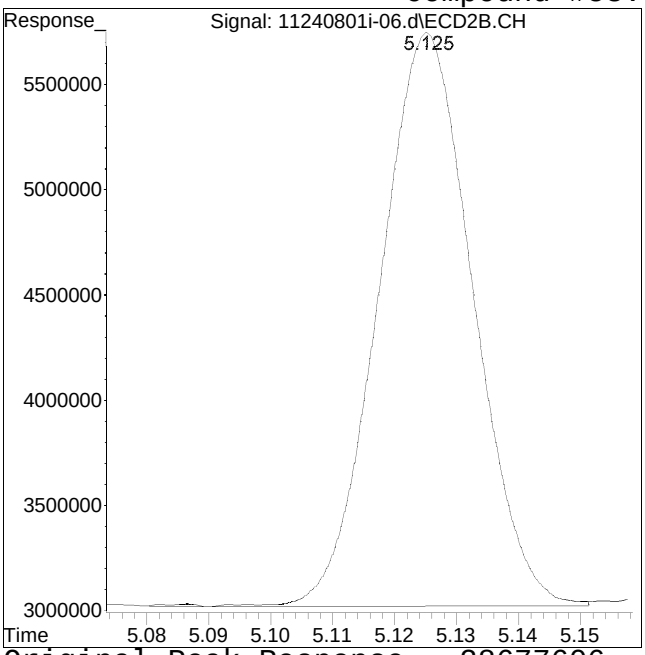
Manual Peak Response = 29573503 M4

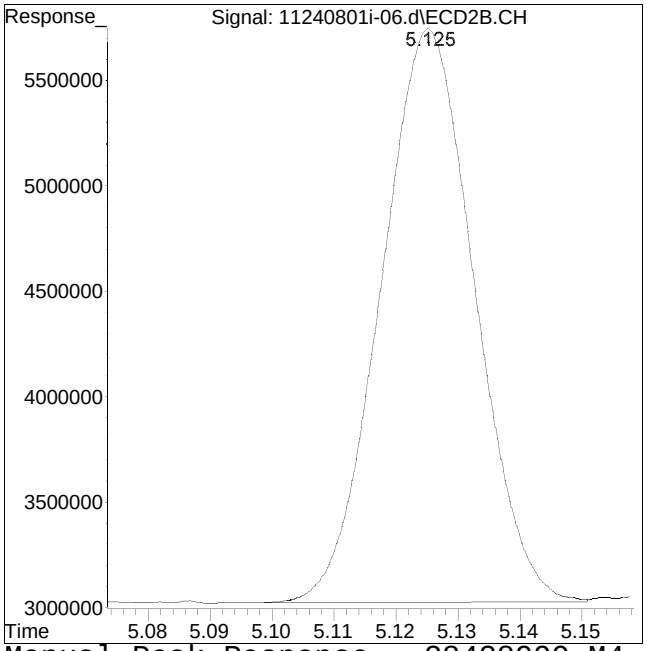
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #58: Endosulfan II #2





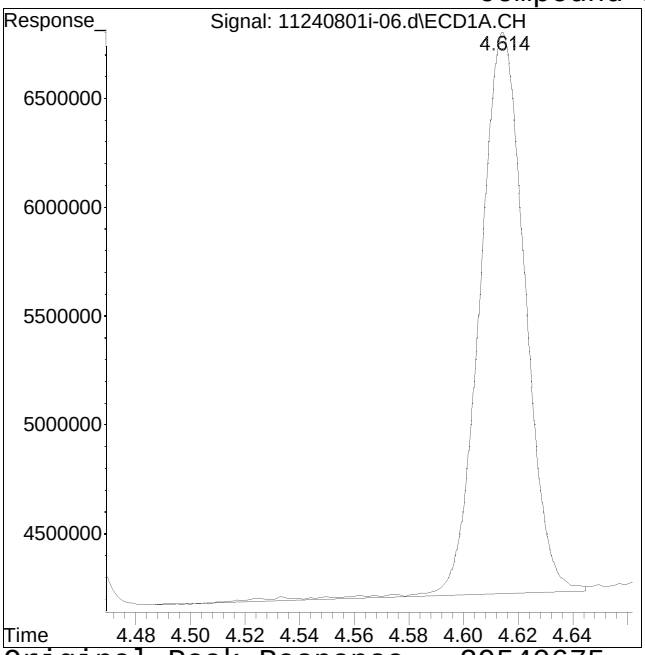
Original Peak Response = 28677606 Manual Peak Response = 28438999 M4
M4 = Poor automated baseline construction.

Manual Integration Report

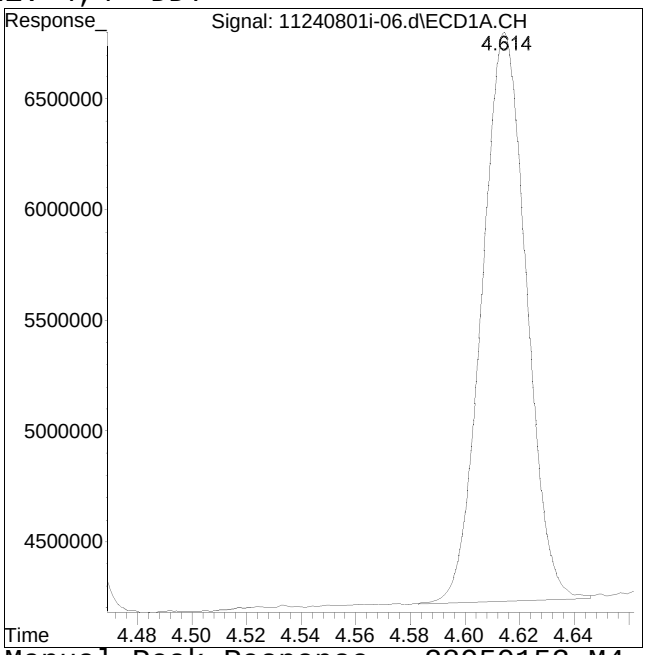
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #21: 4,4'-DDT



Original Peak Response = 29540675



Manual Peak Response = 28950153 M4

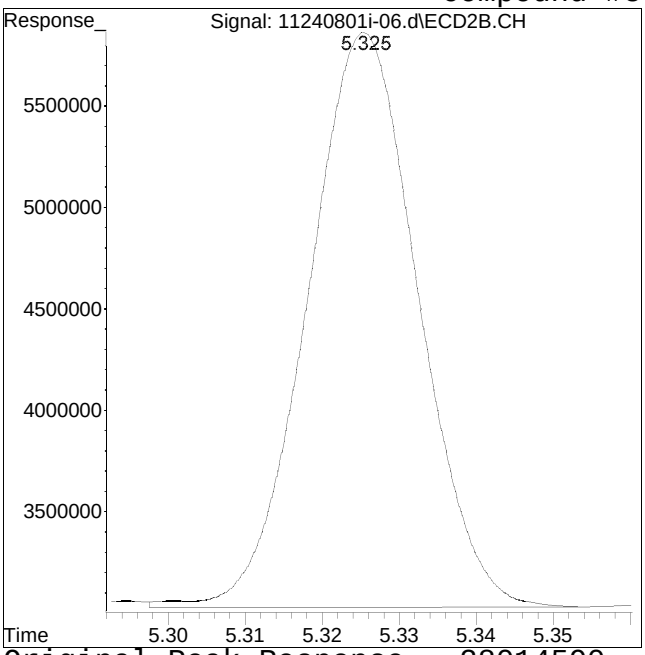
M4 = Poor automated baseline construction.

Manual Integration Report

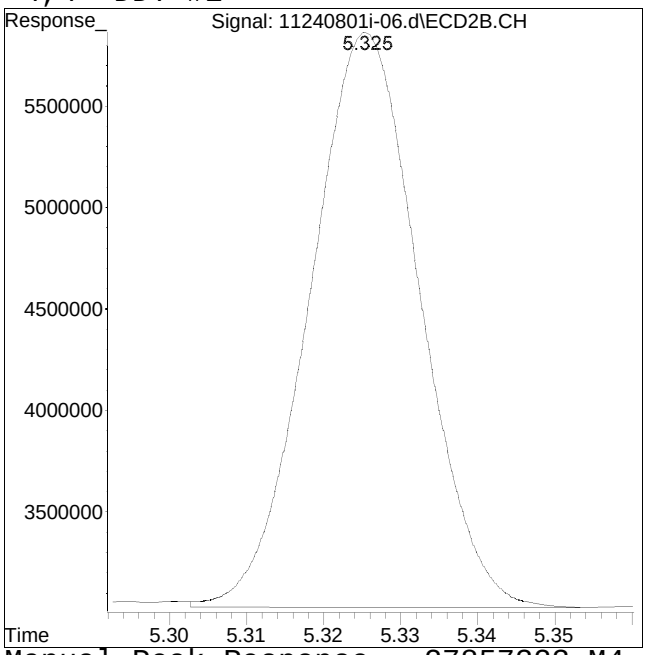
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 28014590



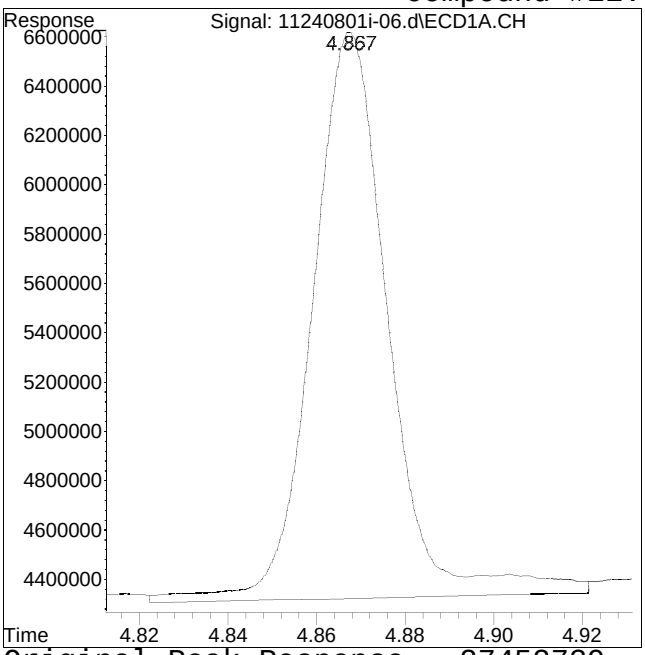
Manual Peak Response = 27857323 M4

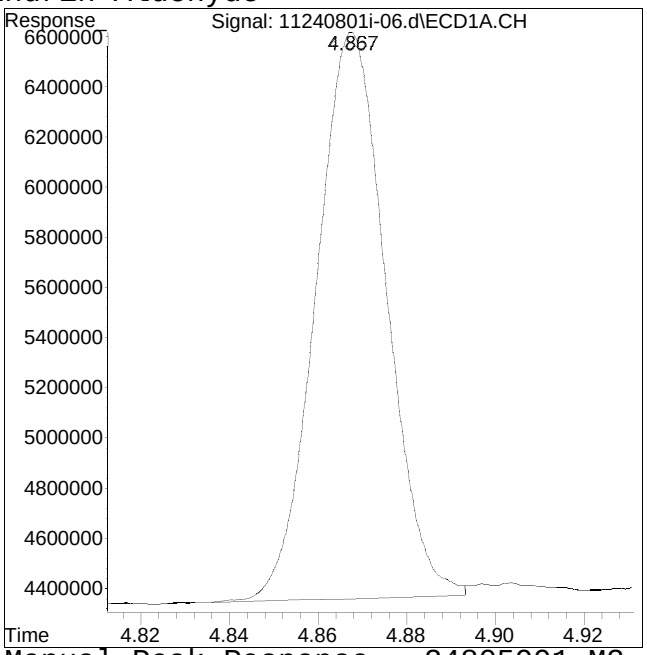
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0Quant Date : 8/2/2024 11:00 am

Compound #22: Endrin Aldehyde



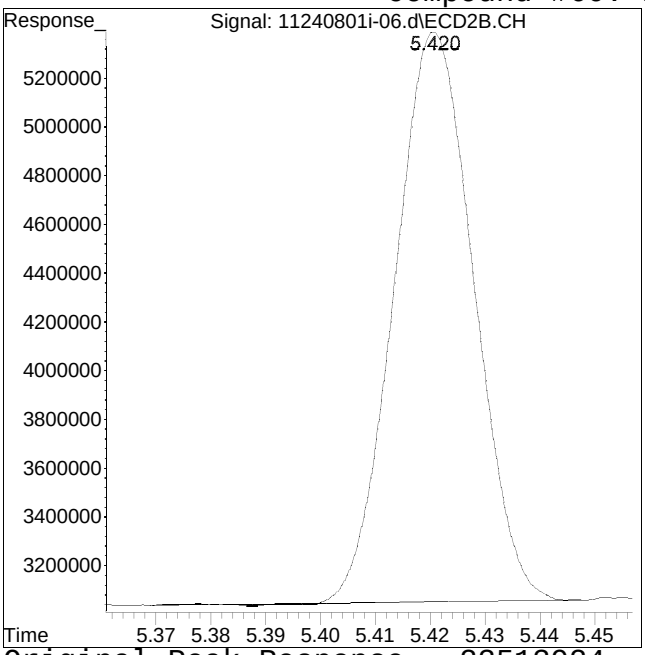


Original Peak Response = 27452739 Manual Peak Response = 24805991 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

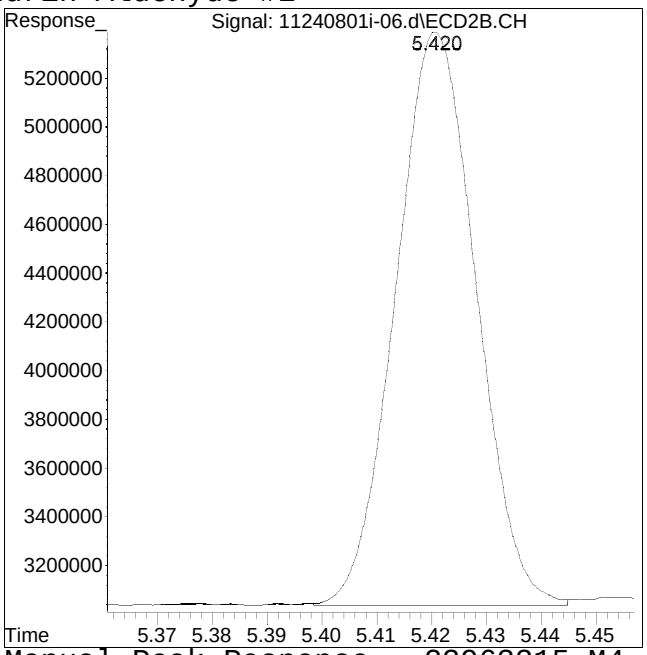
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 23513924



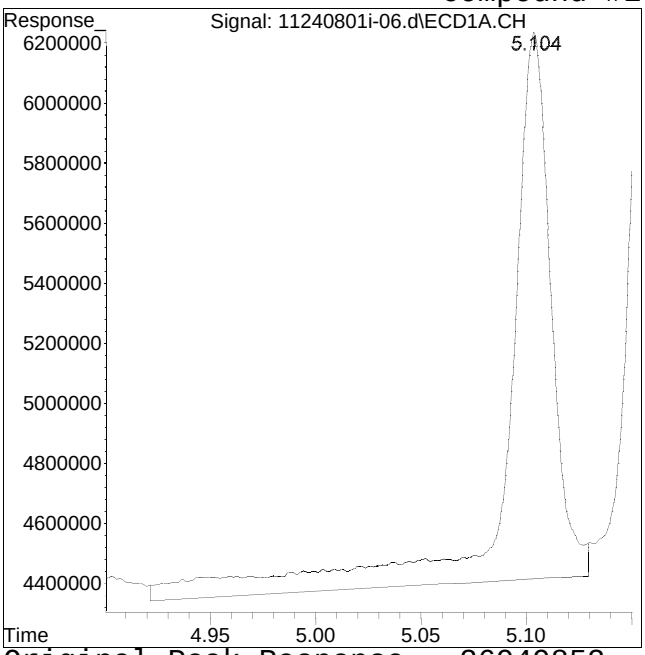
Manual Peak Response = 23963315 M4

M4 = Poor automated baseline construction.

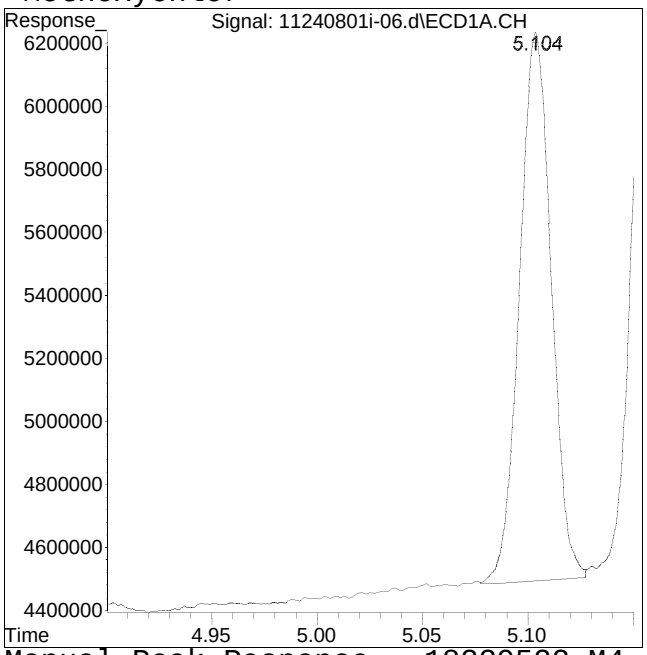
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #23: Methoxychlor



Original Peak Response = 26949852



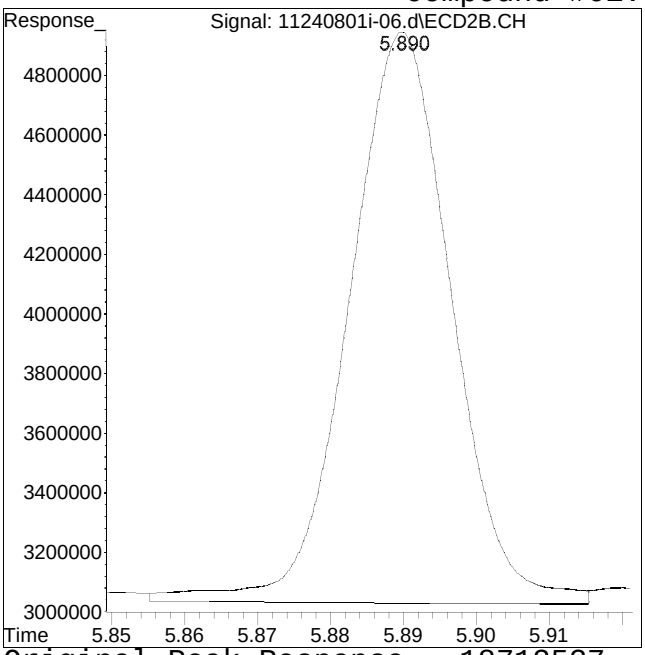
Manual Peak Response = 18239522 M4

M4 = Poor automated baseline construction.

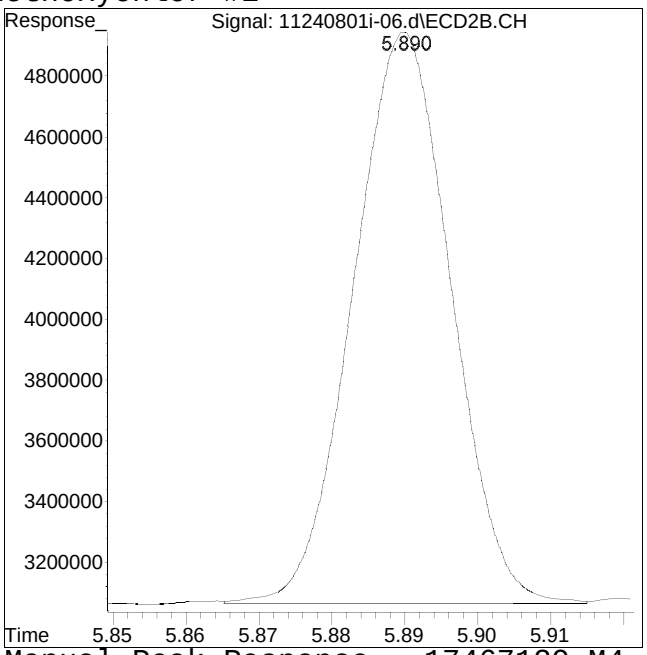
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #61: Methoxychlor #2



Original Peak Response = 18712537



Manual Peak Response = 17467129 M4

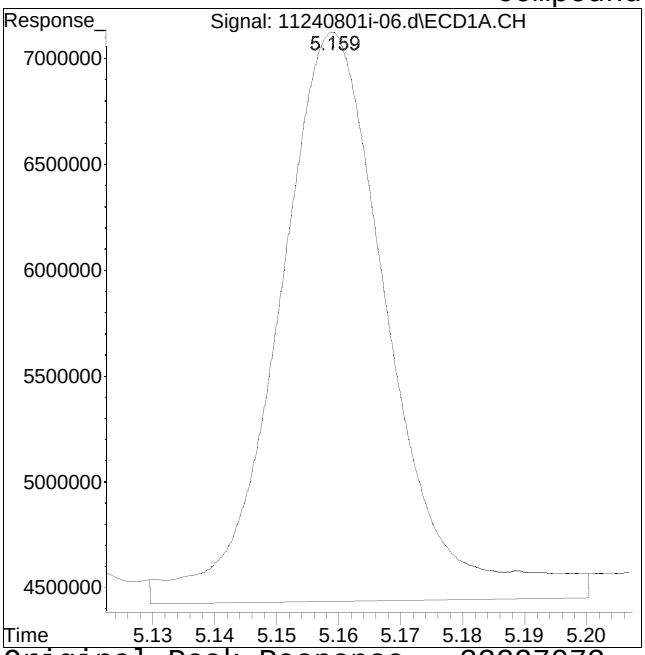
M4 = Poor automated baseline construction.

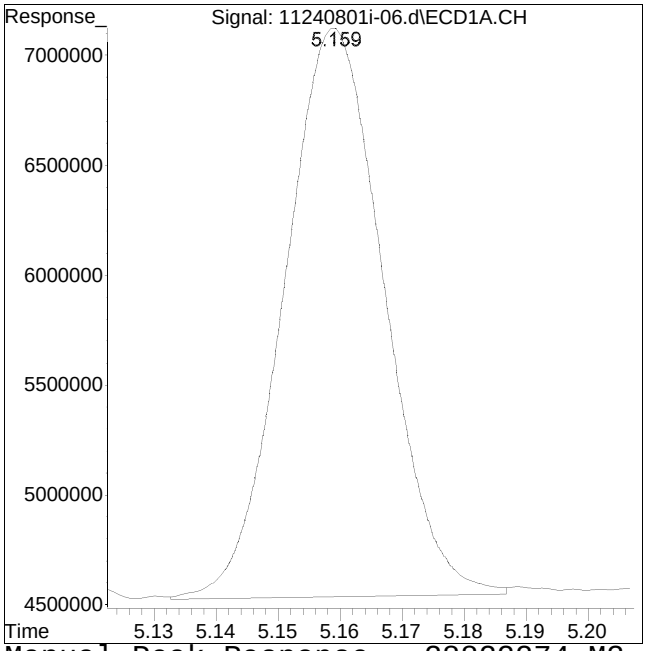
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #24: Mirex





Original Peak Response = 33227073 Manual Peak Response = 28822274 M3

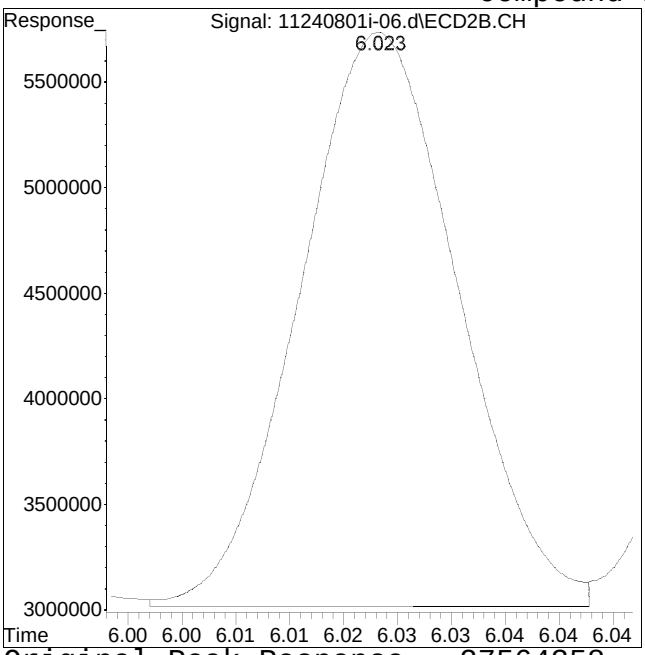
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

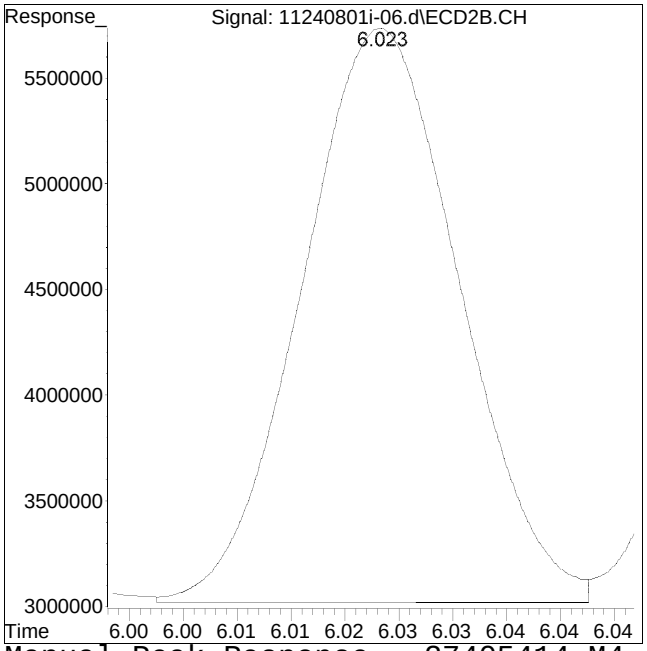
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #62: Mirex #2





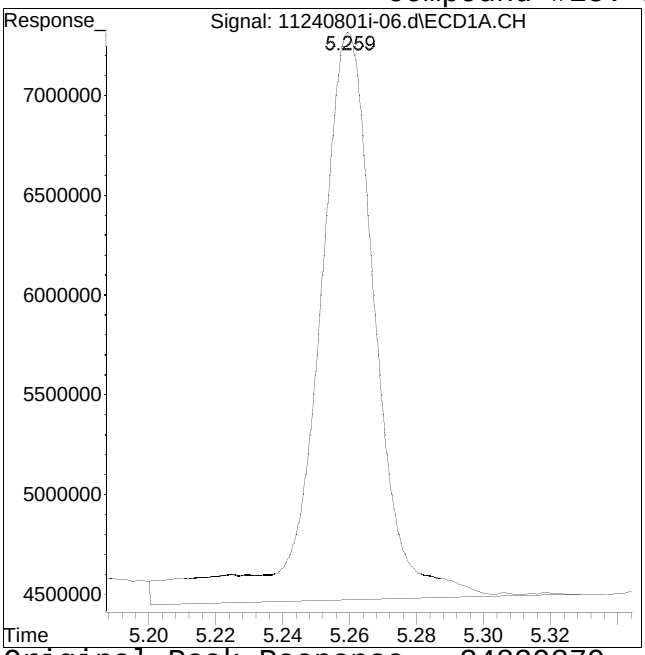
Original Peak Response = 27564358 Manual Peak Response = 27405414 M4
M4 = Poor automated baseline construction.

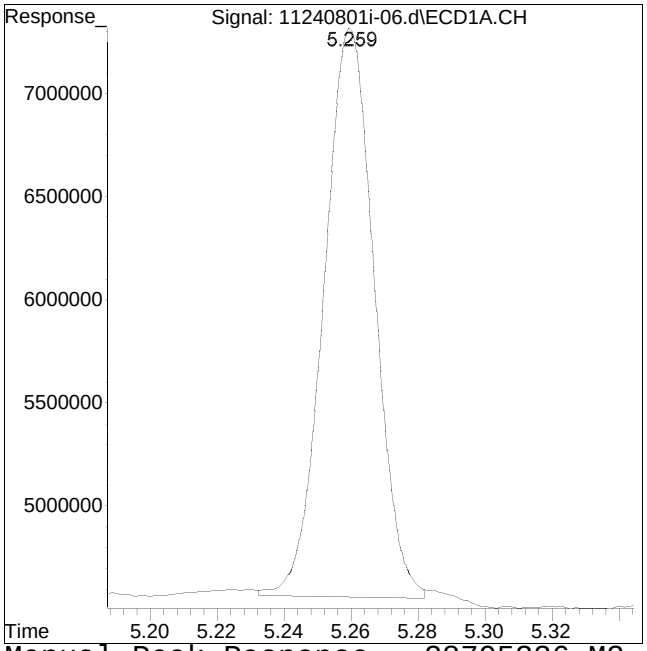
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #25: Endosulfan Sulfate





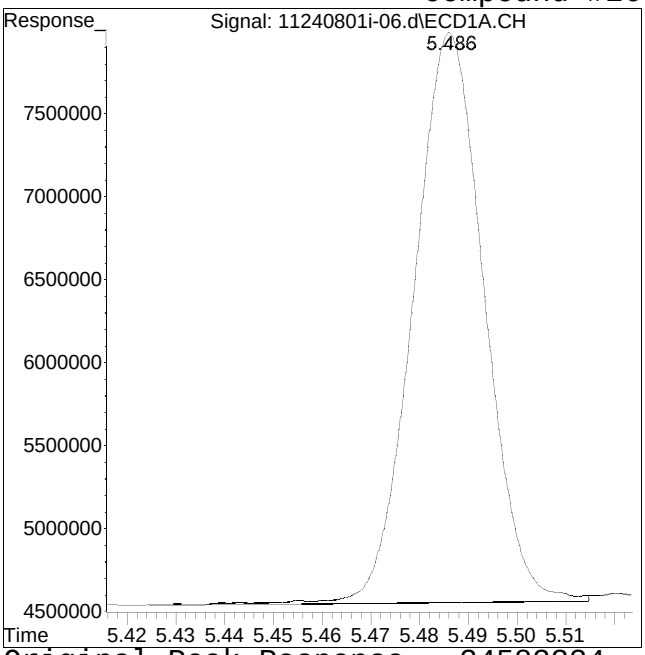
Original Peak Response = 34839379 Manual Peak Response = 28795336 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

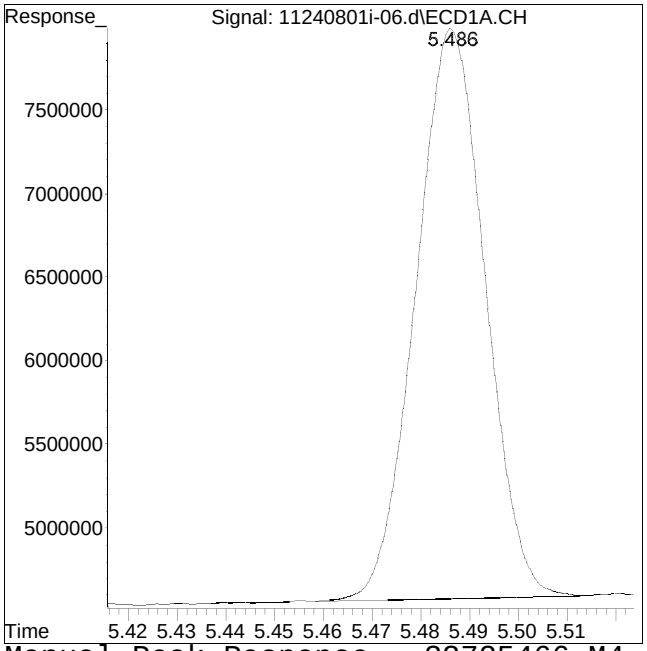
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-06.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:13 Instrument : Pest 11
Sample : il4pest,42e,,pp 11684 L0.0 Quant Date : 8/2/2024 11:00 am

Compound #26: Endrin Ketone



Original Peak Response = 34583334



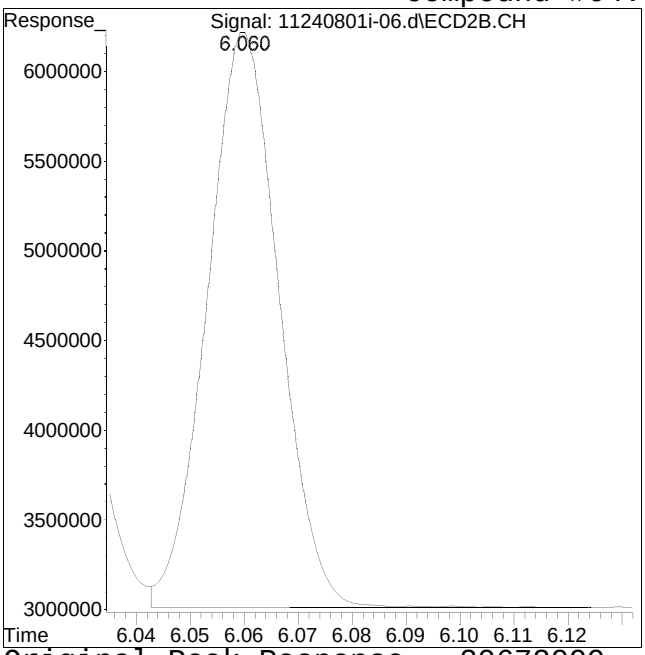
Manual Peak Response = 33725466 M4

M4 = Poor automated baseline construction.

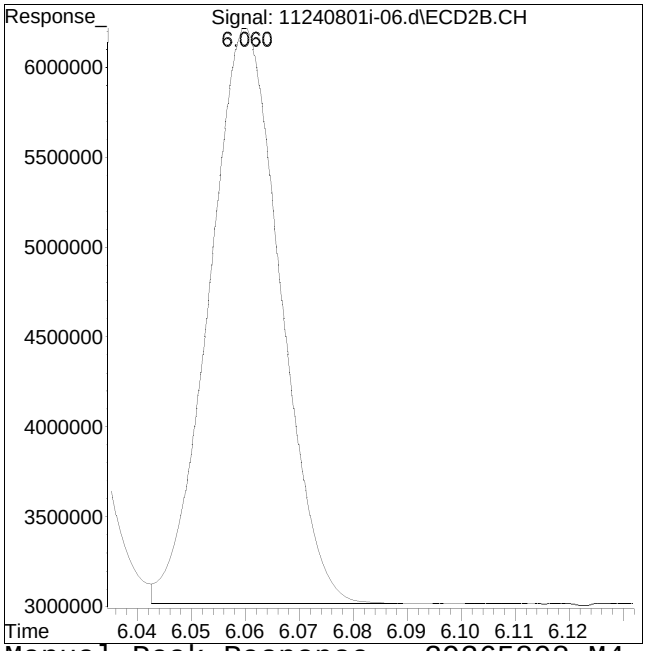
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #64: Endrin Ketone #2



Original Peak Response = 29672099



Manual Peak Response = 29365808 M4

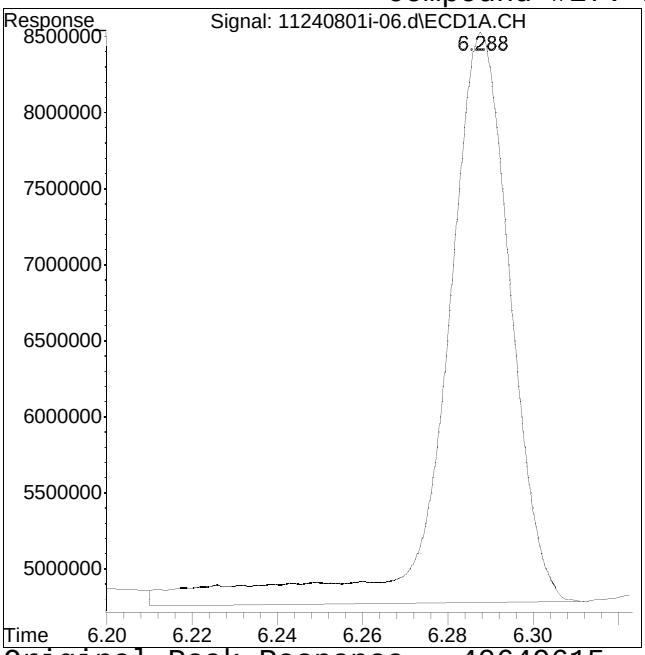
M4 = Poor automated baseline construction.

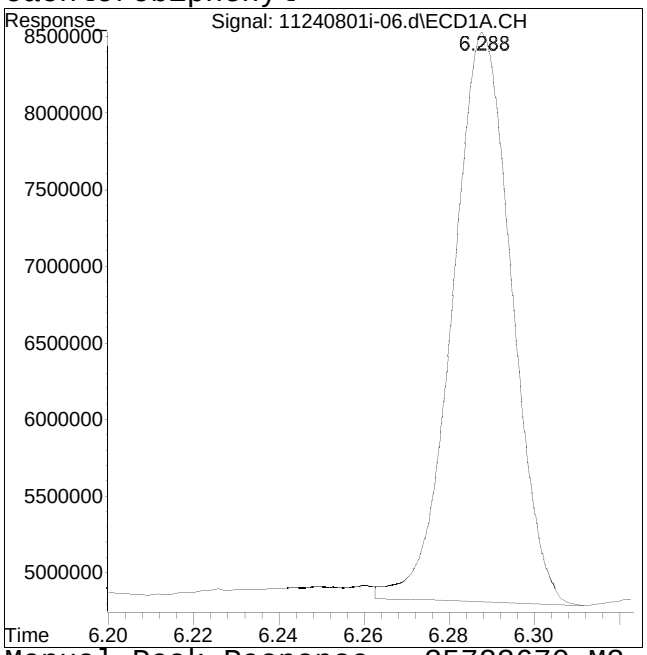
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-06.d
Date Inj'd : 8/1/2024 19:13
Sample : il4pest,42e,,pp 11684 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:00 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 40649615 Manual Peak Response = 35723670 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	236.8E6	187.7E6	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.651	1.858	38521121	33228326	3.958M4	4.126M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		7.92%#	8.25%#
27) s	Decachlorobi	6.288	6.922	45749494	33190514	4.585M3	4.626M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.17%#	9.25%#
	Target Compounds						
3) t	Hexachlorobe	1.864	2.177	53831993	37517540	4.262M3	4.355M3
4) t	alpha-BHC	1.963	2.270	50099814	44404100	3.378	3.499M4
5) t	gamma-BHC (l	2.165	2.556	48429966	42423894	3.532M4	3.691M4
6) t	beta-BHC	2.221	2.622	23627338	22130202	4.112M4	4.572M4
7) t	delta-BHC	2.349	2.889	47212643	42358835	3.409M4	3.618
8) t	Heptachlor	2.513	2.951	48539979	47303379	3.873M4	4.125M4
9) t	Aldrin	2.755	3.270	43725904	41038709	3.629M3	3.833M4
10) t	Alachlor	2.876	3.152	8846077	7914947	4.229M4	5.313M4
11) t	Chlorpyrifos	2.968	3.506	24028161	29105048	4.744M4	5.206

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	43926945	42803293	3.942M3	4.261M4
13)	t	gamma-Chlord	3.424	4.104	38878589	38970708	3.786M4	4.193M4
14)	t	alpha-Chlord	3.559	4.273	44728489	43103625	3.859M3	4.197M4
15)	t	4,4'-DDE	3.656	4.472	42411214	37932784	3.626M4	3.740M3
16)	t	Endosulfan I	3.695	4.335	41113069	40054576	3.894	4.272M4
17)	t	Dieldrin	3.954	4.627	40416298	38468360	3.654M4	3.937M4
18)	t	Endrin	4.209	4.925	41670444	39189618	3.747M4	3.963M4
19)	t	4,4'-DDD	4.321	5.049	32563209	30675797	3.557M4	3.766M4
20)	t	Endosulfan I	4.451	5.125	38878709	36626235	3.907M4	4.280M4
21)	t	4,4'-DDT	4.615	5.326	37823947	35899886	3.661M4	3.859M4
22)	t	Endrin Aldeh	4.868	5.421	32912480	30791502	3.951M4	4.329M4
23)	t	Methoxychlor	5.103	5.890	23121492	22184815	4.437M4	4.706M4
24)	t	Mirex	5.159	6.023	37112581	34701868	4.423M4	4.946M4
25)	t	Endosulfan S	5.259	5.650	37357641	36575099	4.010M3	4.387M4
26)	t	Endrin Keton	5.486	6.060	44230088	37958462	3.979M4	4.219M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

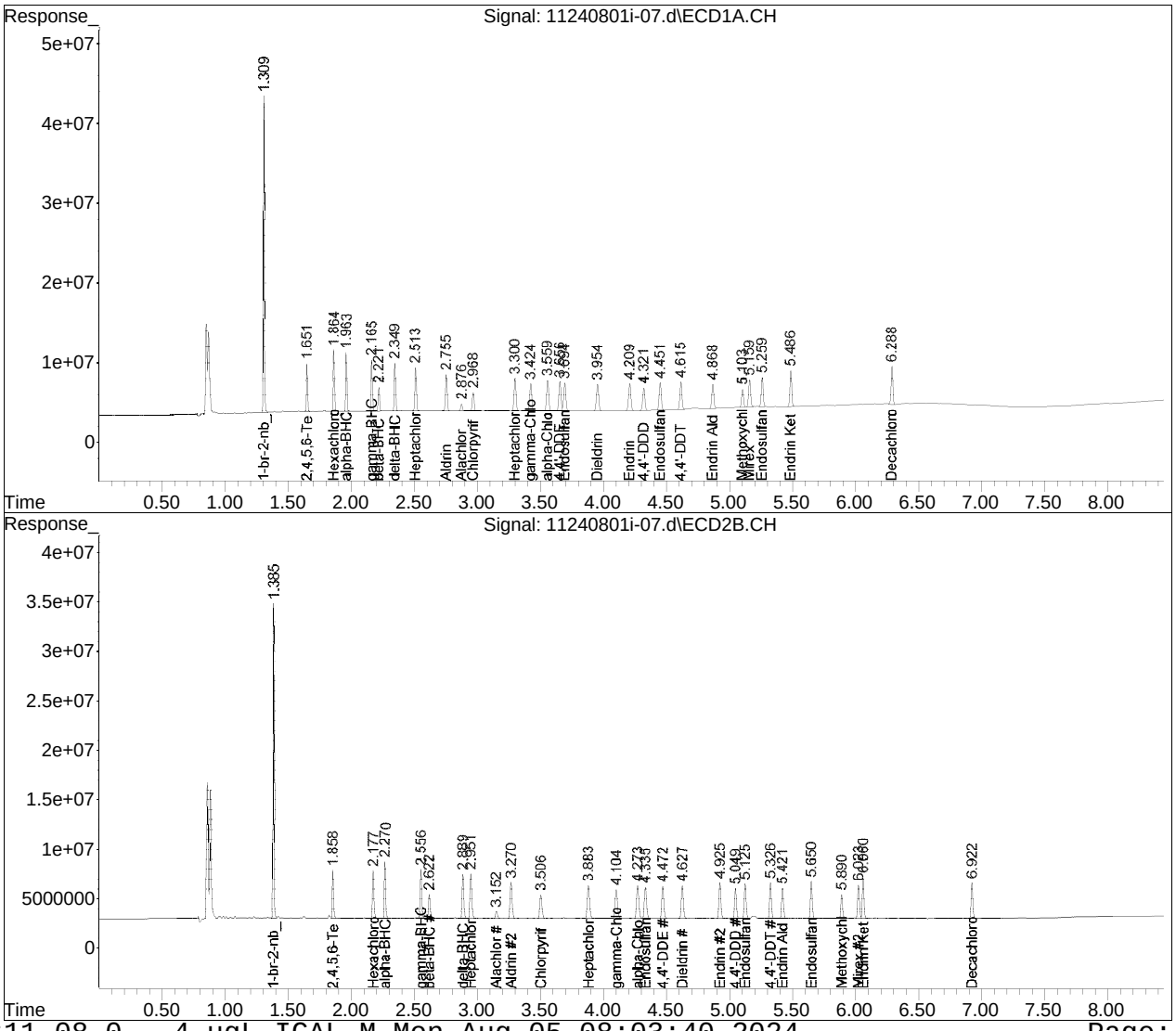
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:25
Operator : PEST11:ejl
Sample : il5pest,42e,,pp 11683 L0.004
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:53:34 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:53:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

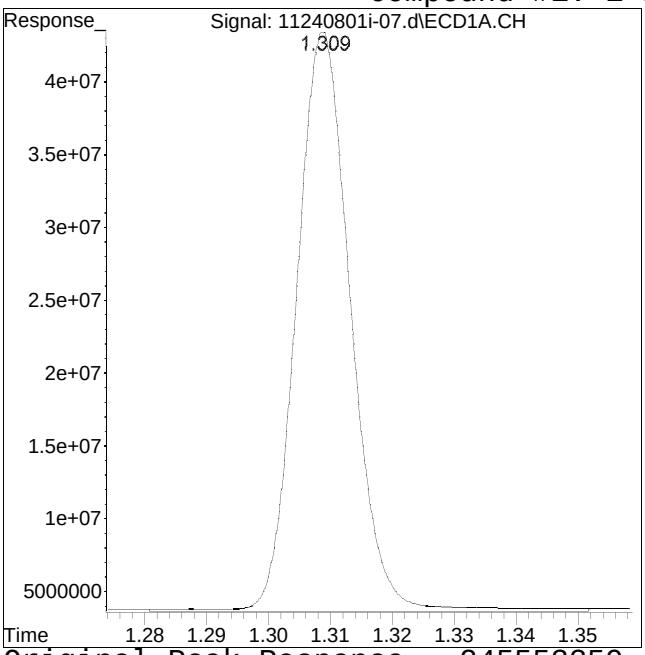


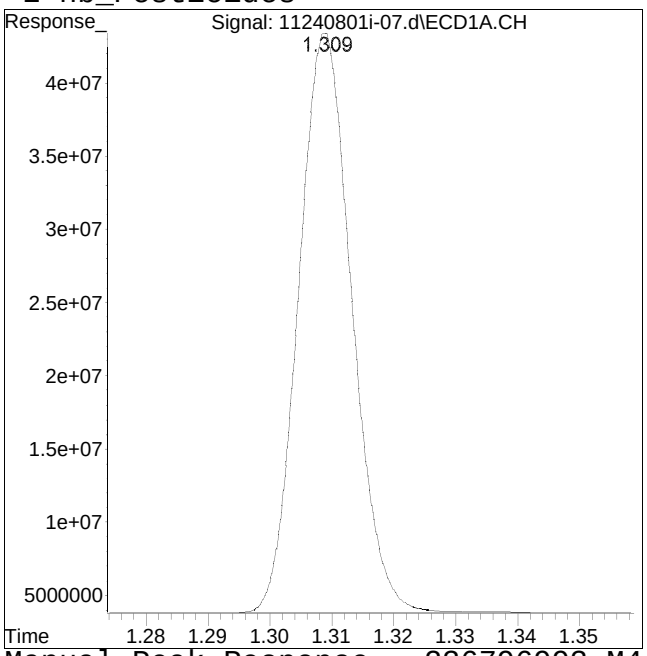
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #1: 1-br-2-nb_Pesticides



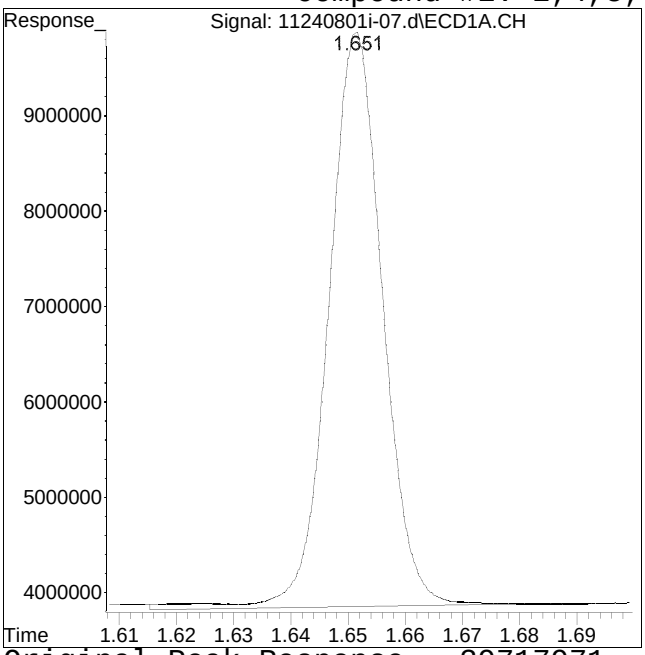


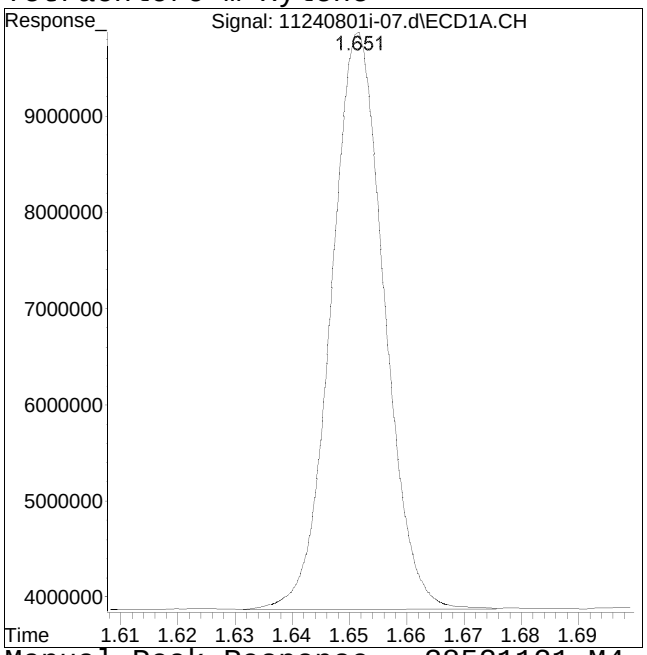
Original Peak Response = 245553359 Manual Peak Response = 236796993 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



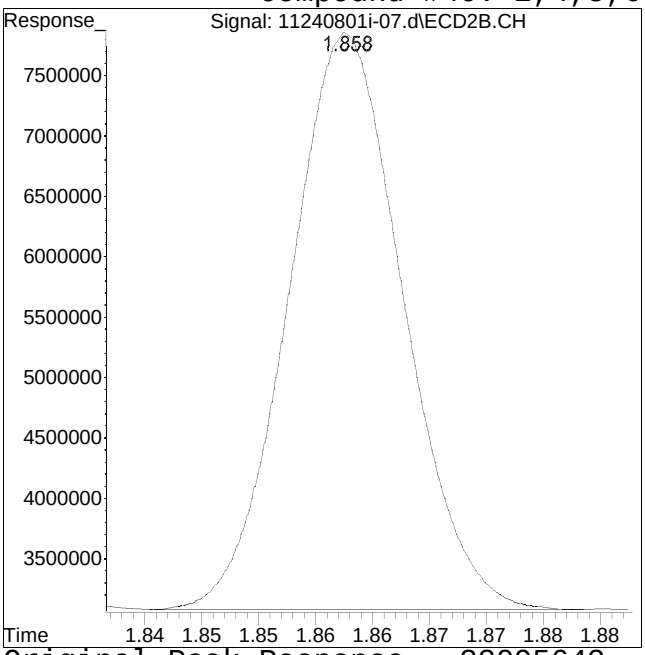


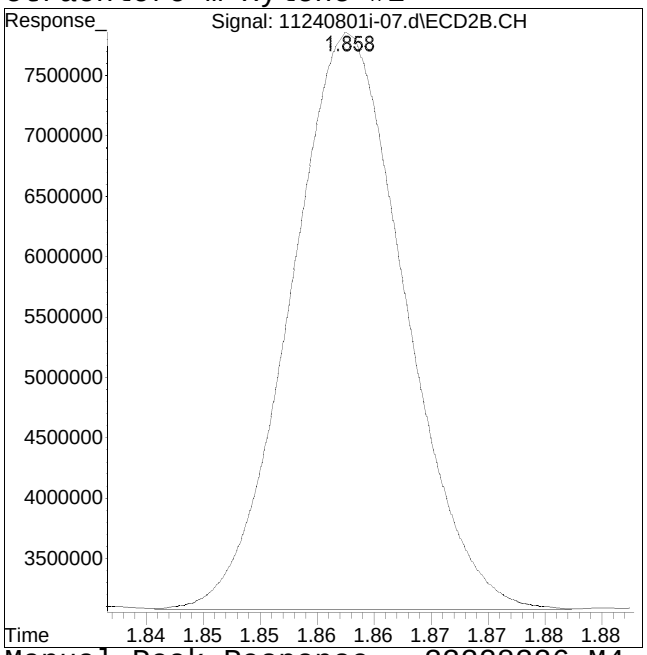
Original Peak Response = 39717971 Manual Peak Response = 38521121 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





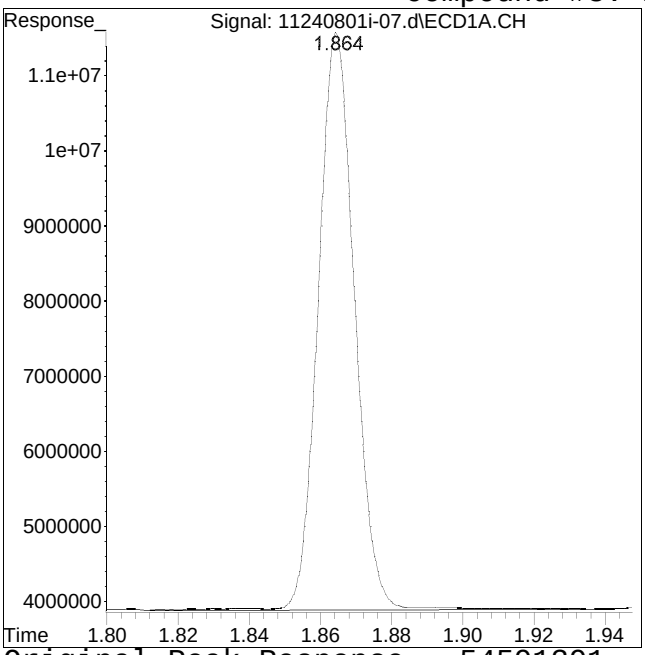
Original Peak Response = 33095642 Manual Peak Response = 33228326 M4
M4 = Poor automated baseline construction.

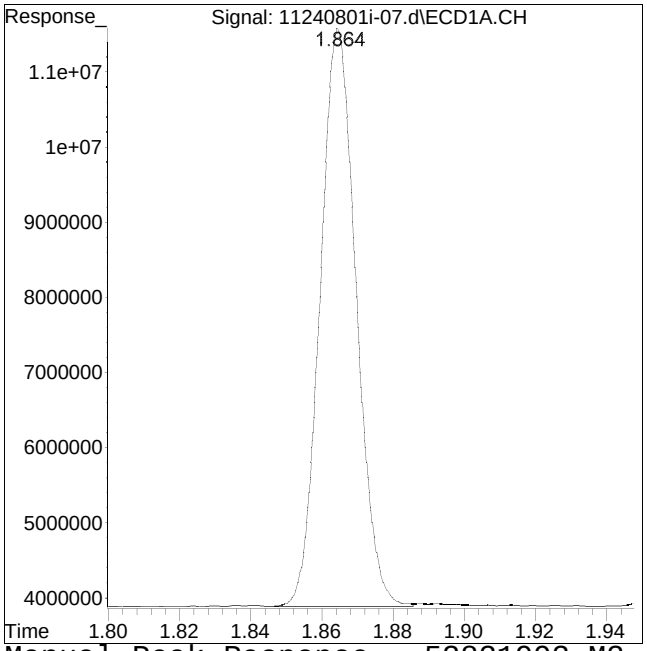
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #3: Hexachlorobenzene





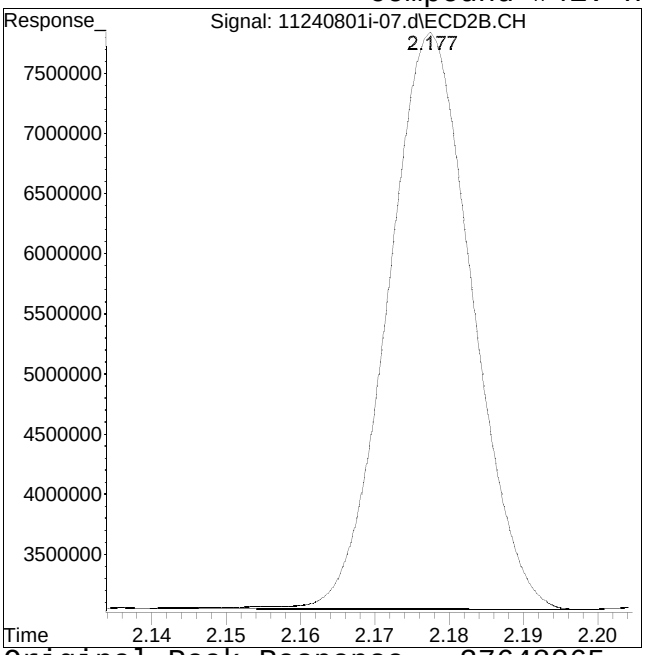
Original Peak Response = 54591391 Manual Peak Response = 53831993 M3

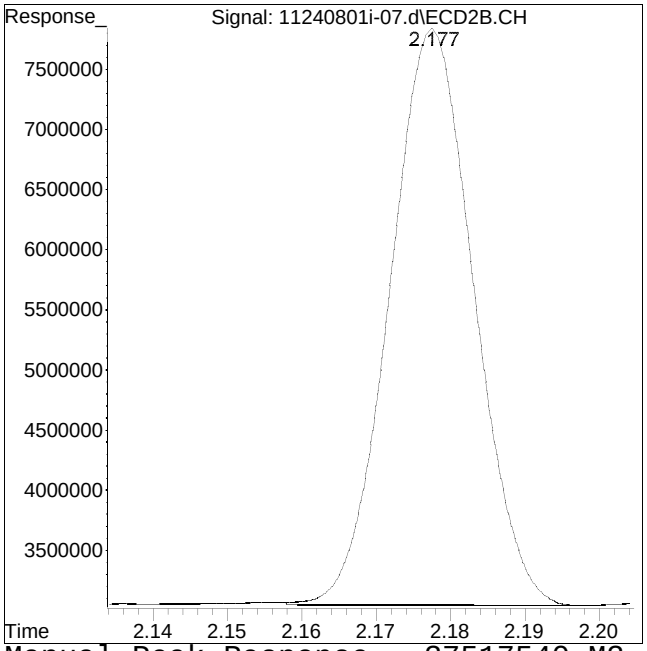
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #41: Hexachlorobenzene #2



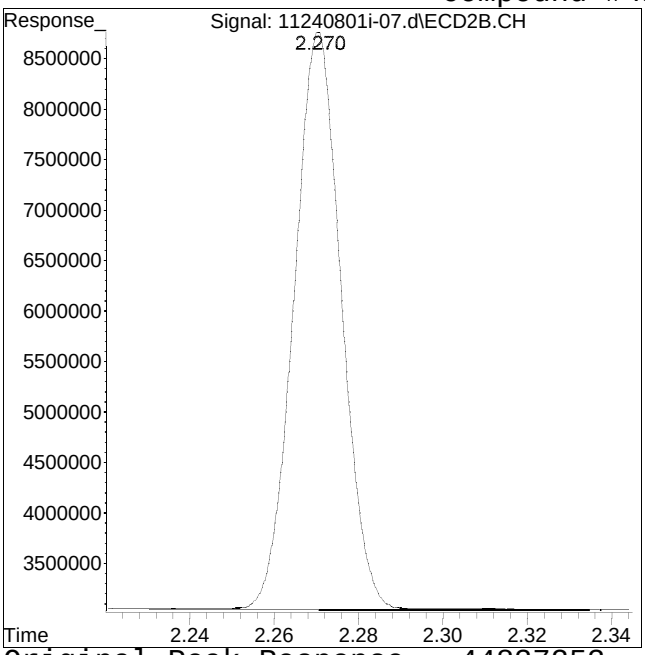


Original Peak Response = 37648265 Manual Peak Response = 37517540 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

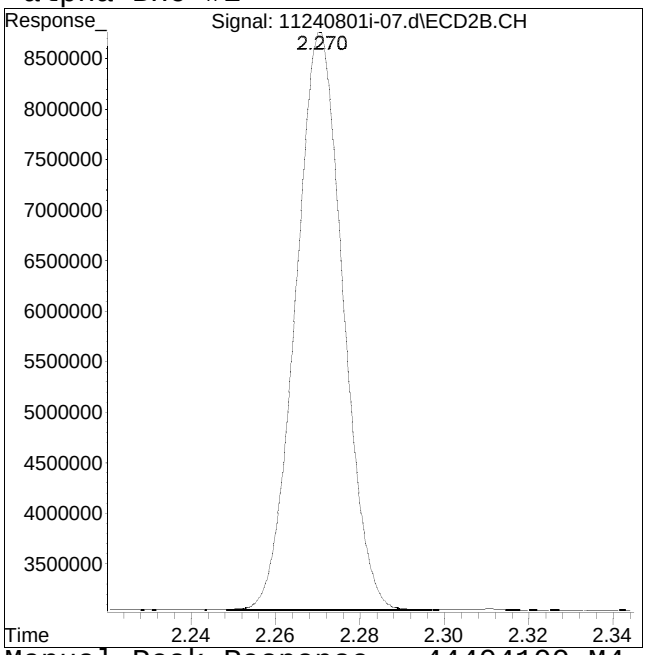
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #42: alpha-BHC #2



Original Peak Response = 44837253



Manual Peak Response = 44404100 M4

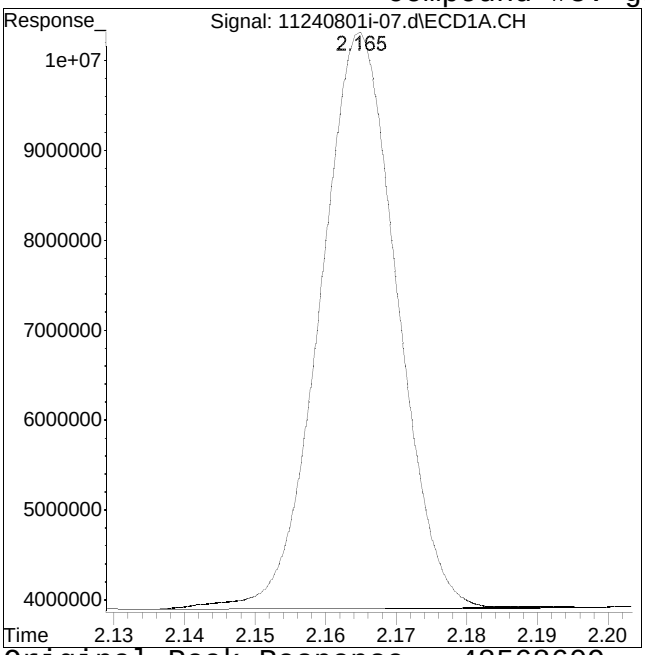
M4 = Poor automated baseline construction.

Manual Integration Report

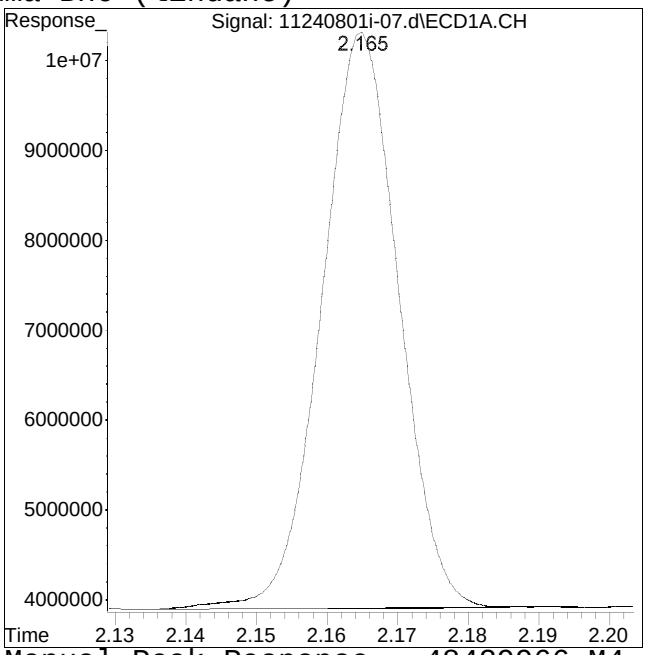
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 48568609



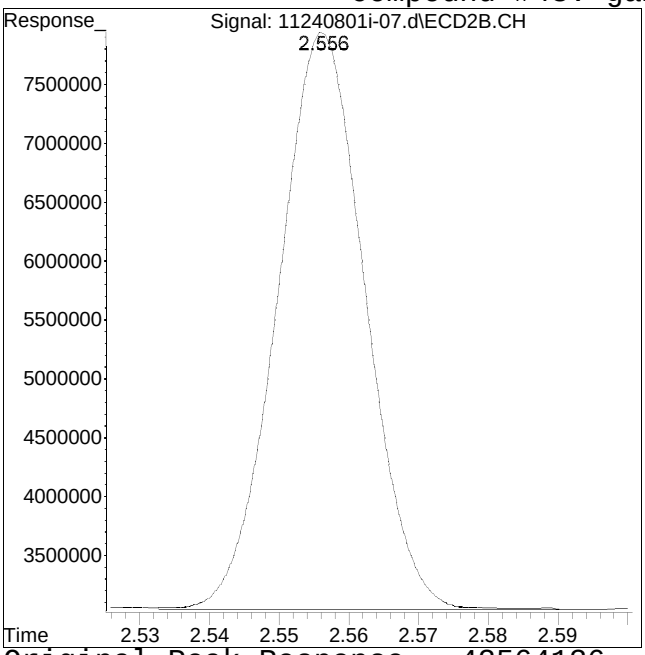
Manual Peak Response = 48429966 M4

M4 = Poor automated baseline construction.

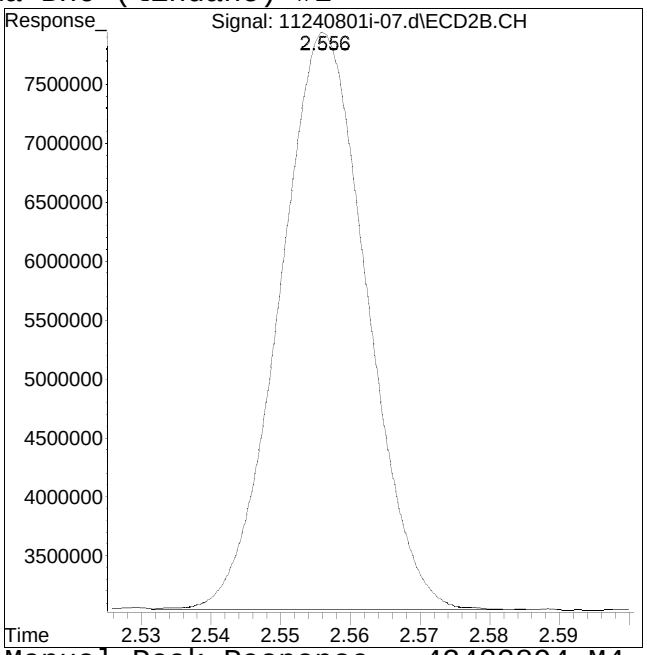
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 42564136



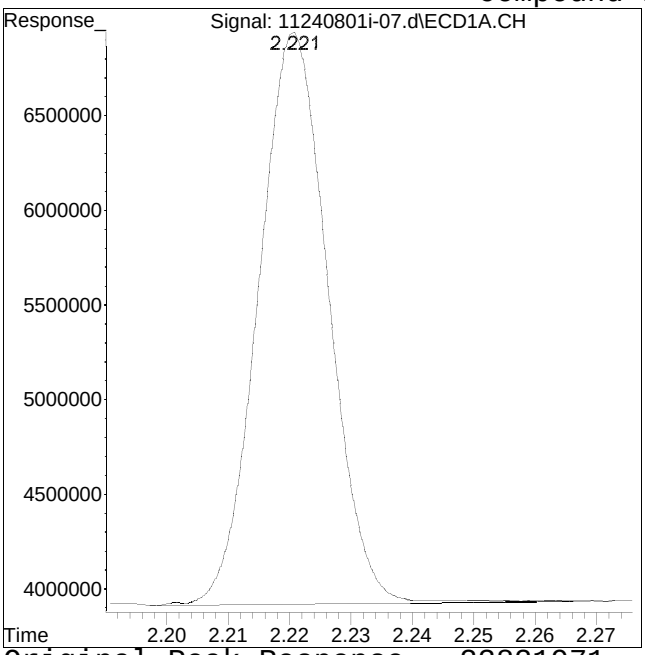
Manual Peak Response = 42423894 M4

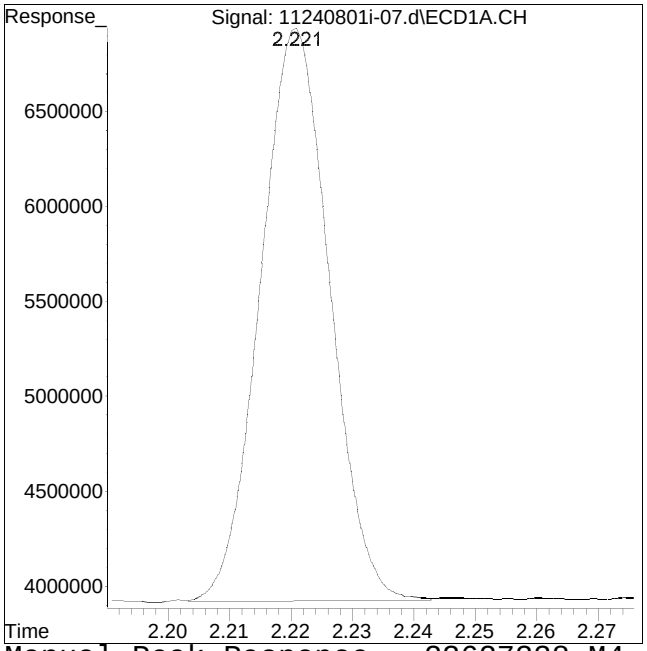
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #6: beta-BHC



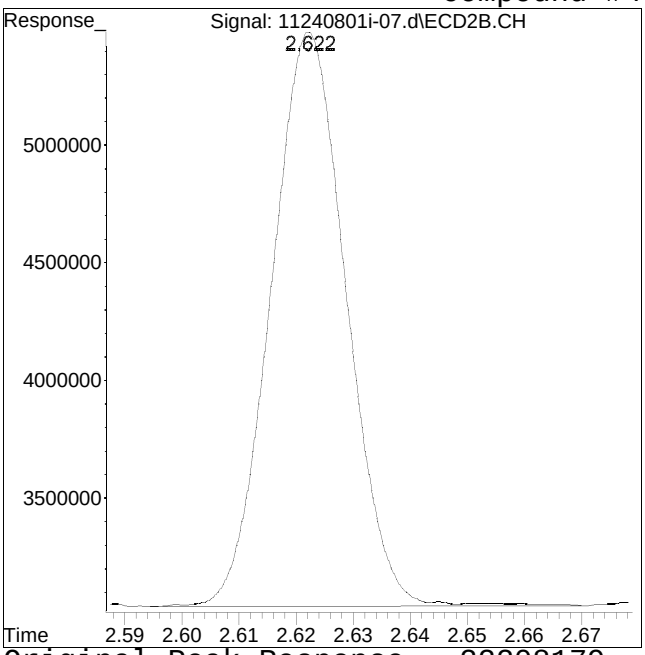


Original Peak Response = 23821971 Manual Peak Response = 23627338 M4
M4 = Poor automated baseline construction.

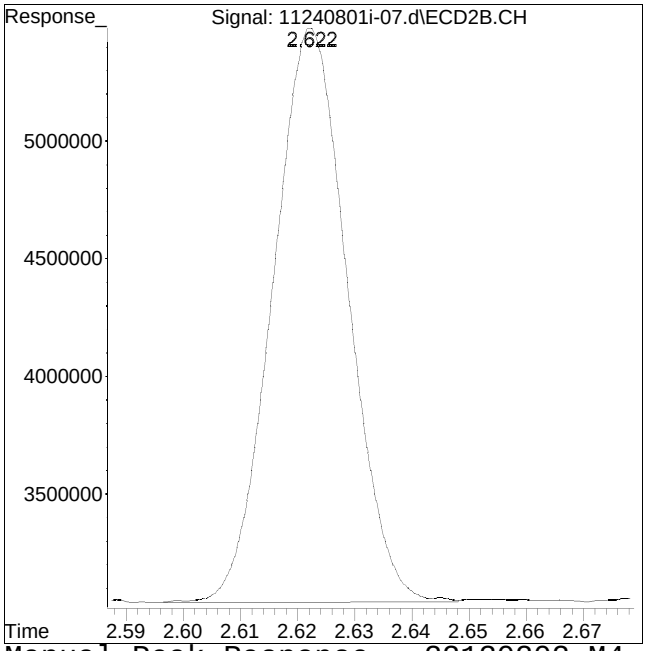
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #44: beta-BHC #2



Original Peak Response = 22208179



Manual Peak Response = 22130202 M4

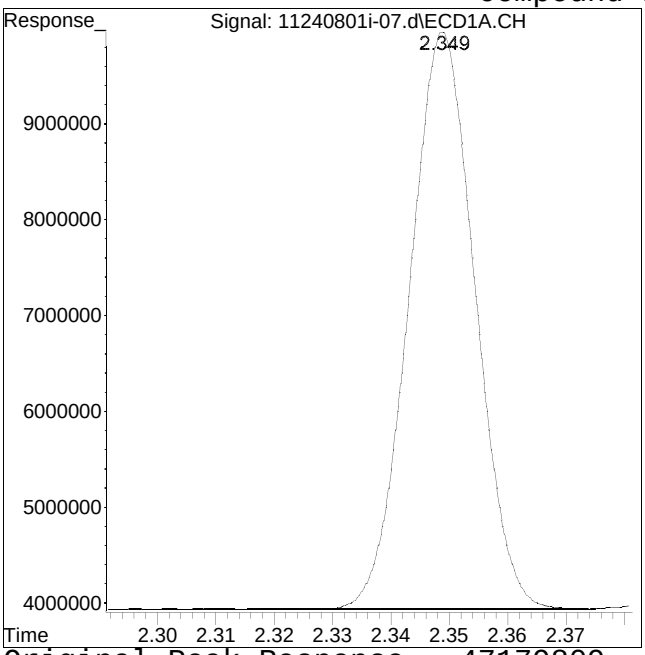
M4 = Poor automated baseline construction.

Manual Integration Report

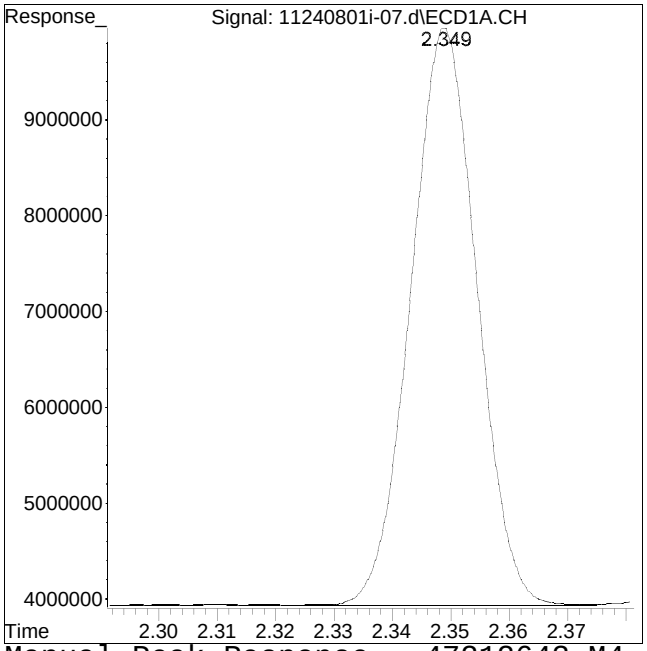
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #7: delta-BHC



Original Peak Response = 47179809



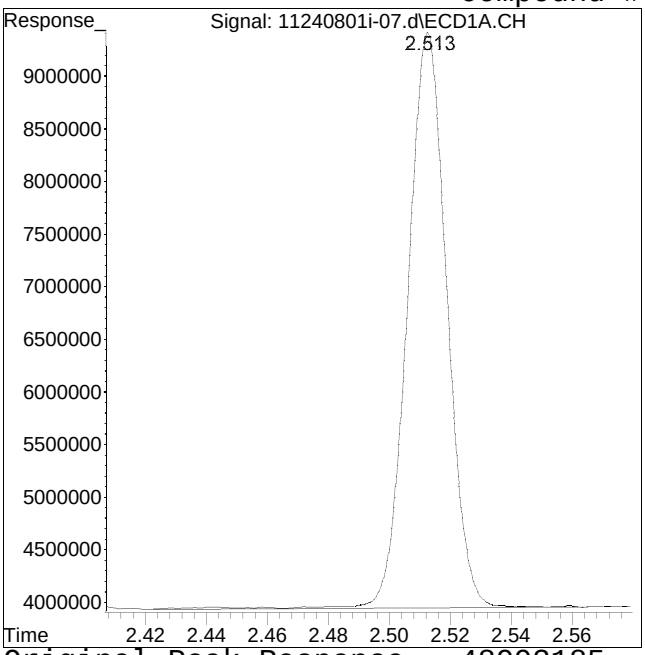
Manual Peak Response = 47212643 M4

M4 = Poor automated baseline construction.

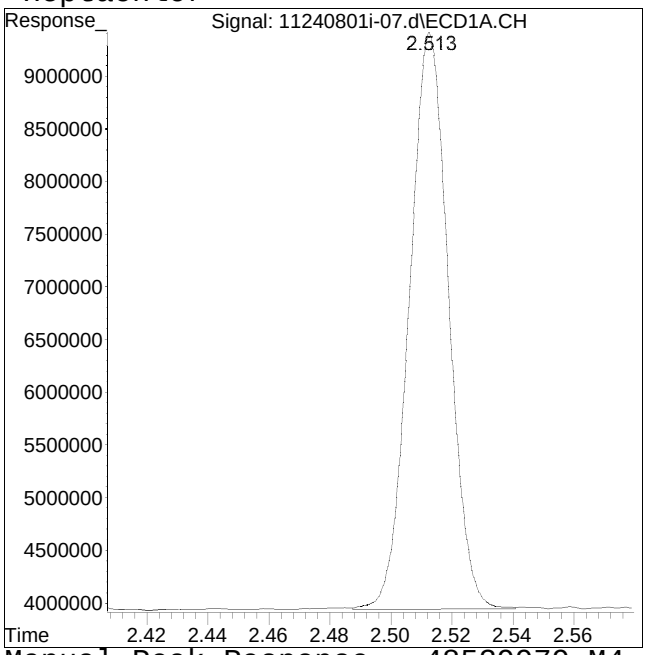
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #8: Heptachlor



Original Peak Response = 48993185



Manual Peak Response = 48539979 M4

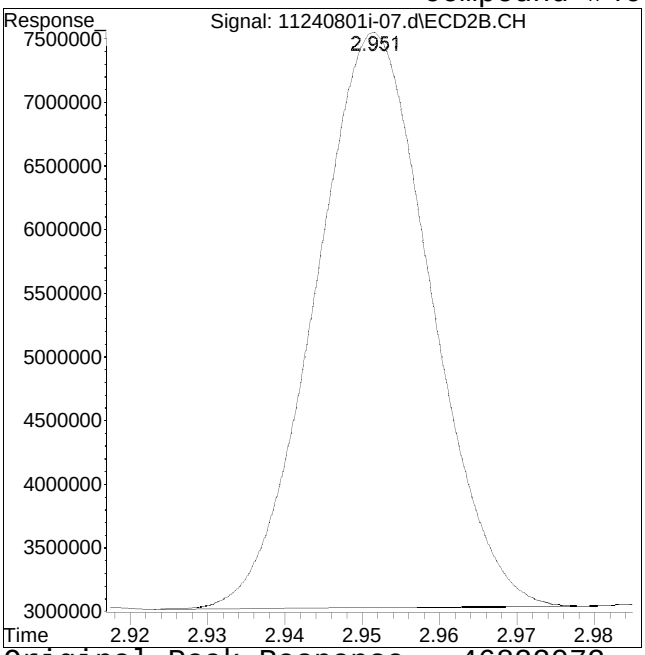
M4 = Poor automated baseline construction.

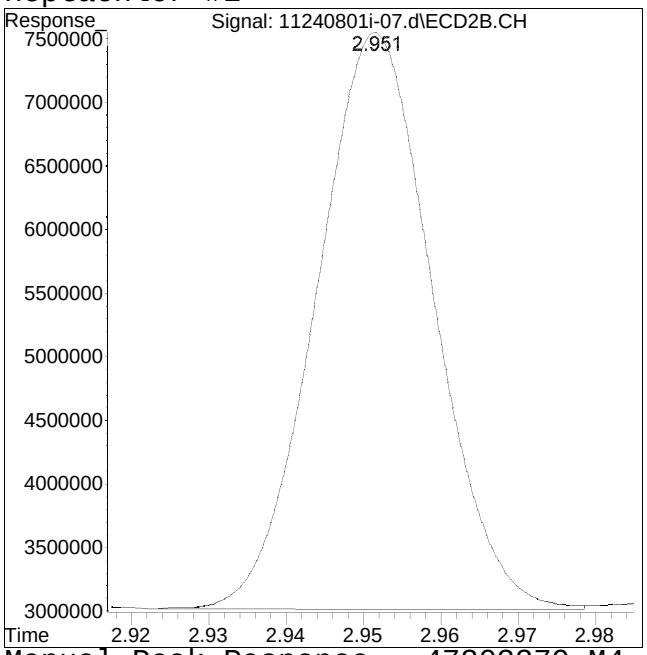
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #46: Heptachlor #2





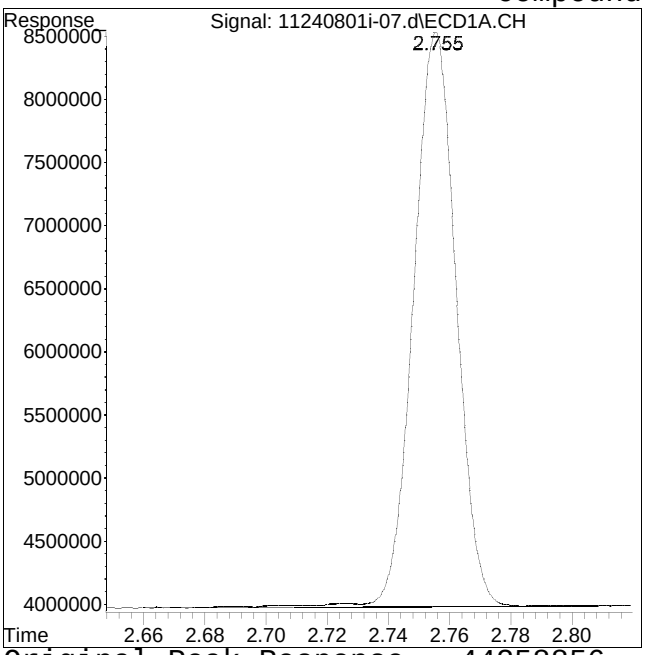
Original Peak Response = 46822072 Manual Peak Response = 47303379 M4
M4 = Poor automated baseline construction.

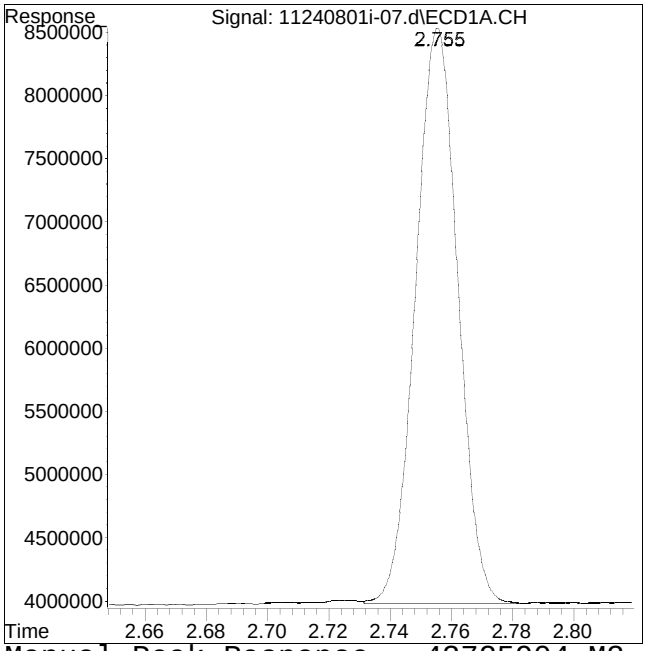
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #9: Aldrin





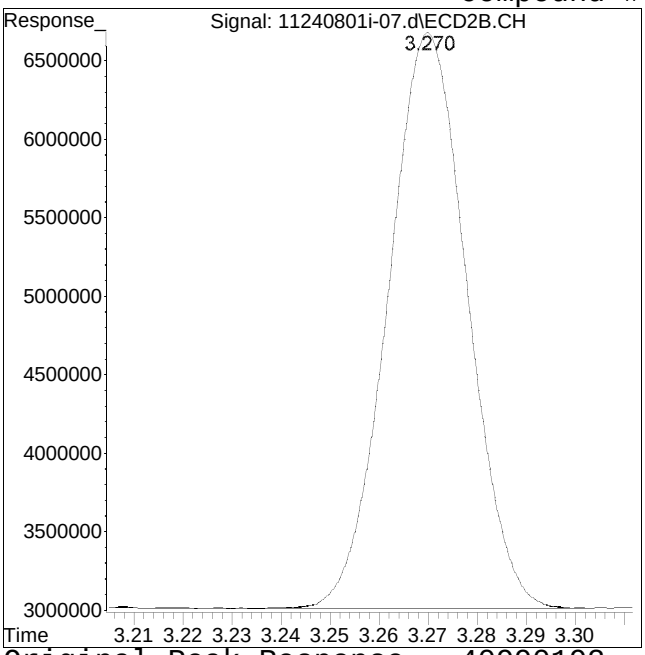
Original Peak Response = 44258856 Manual Peak Response = 43725904 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

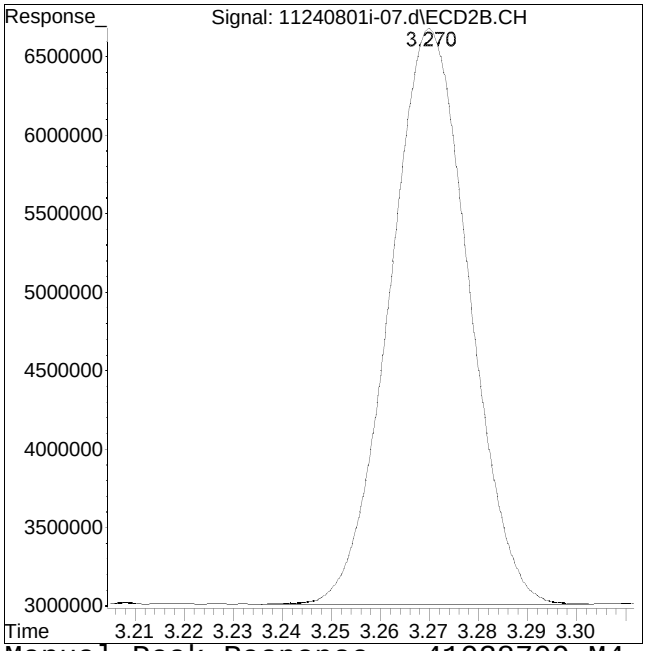
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #47: Aldrin #2



Original Peak Response = 40990192



Manual Peak Response = 41038709 M4

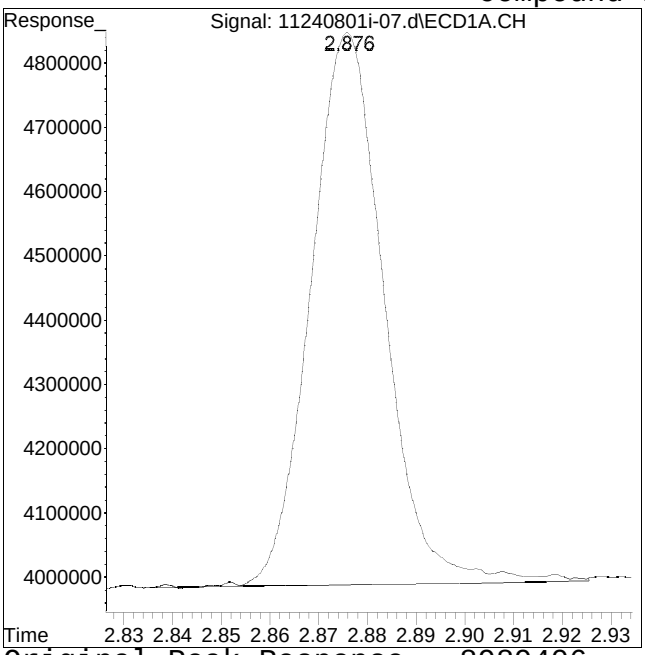
M4 = Poor automated baseline construction.

Manual Integration Report

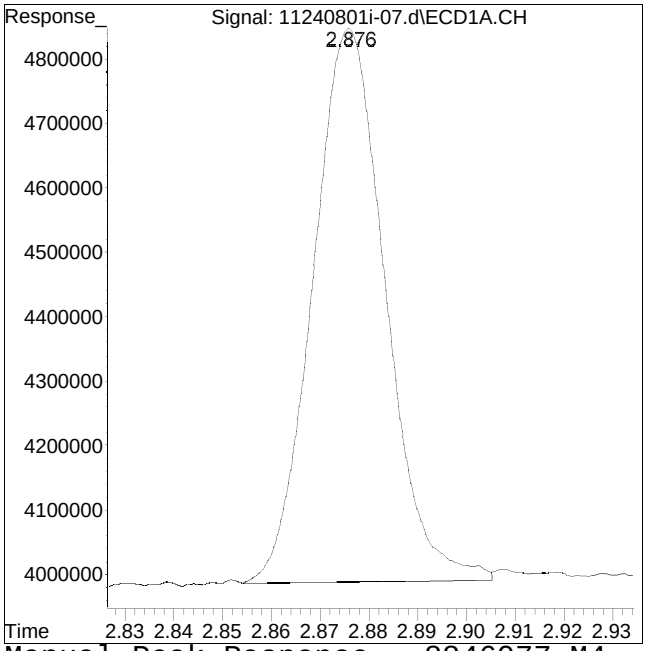
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #10: Alachlor



Original Peak Response = 8989406



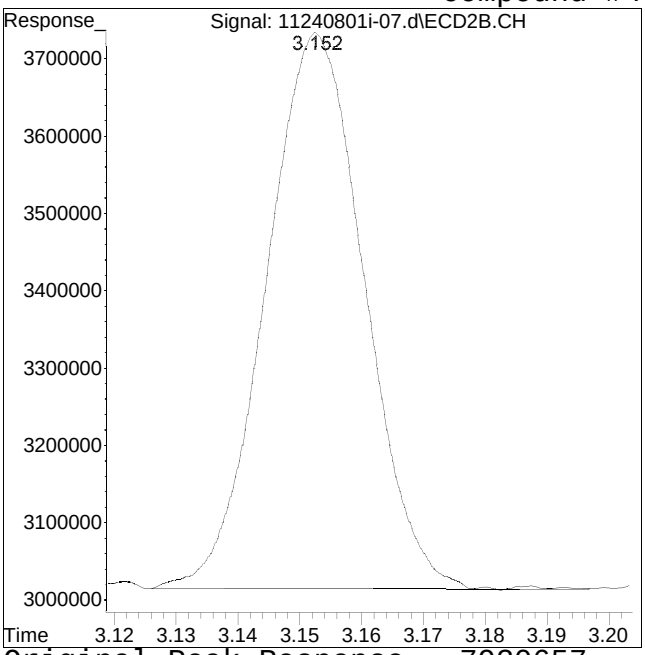
Manual Peak Response = 8846077 M4

M4 = Poor automated baseline construction.

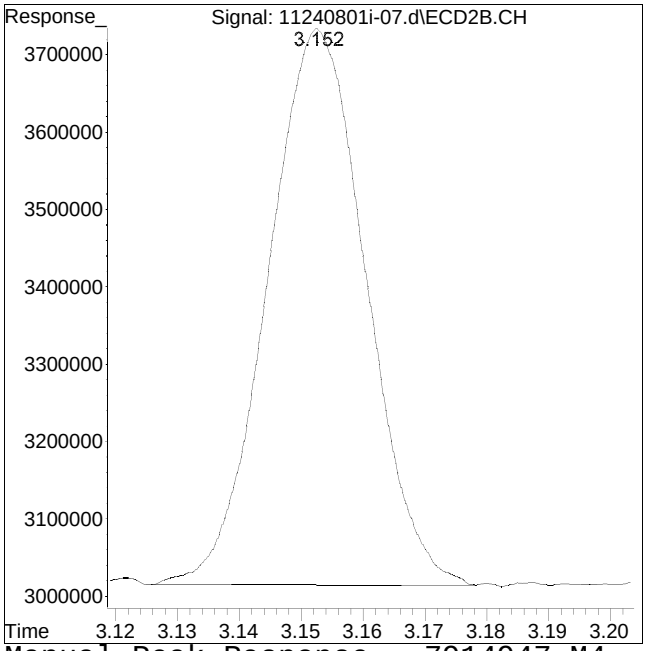
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #48: Alachlor #2



Original Peak Response = 7930657



Manual Peak Response = 7914947 M4

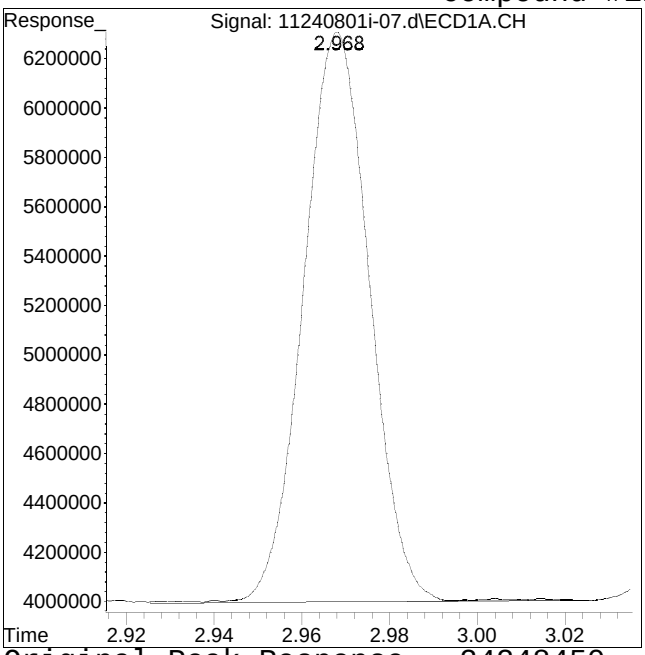
M4 = Poor automated baseline construction.

Manual Integration Report

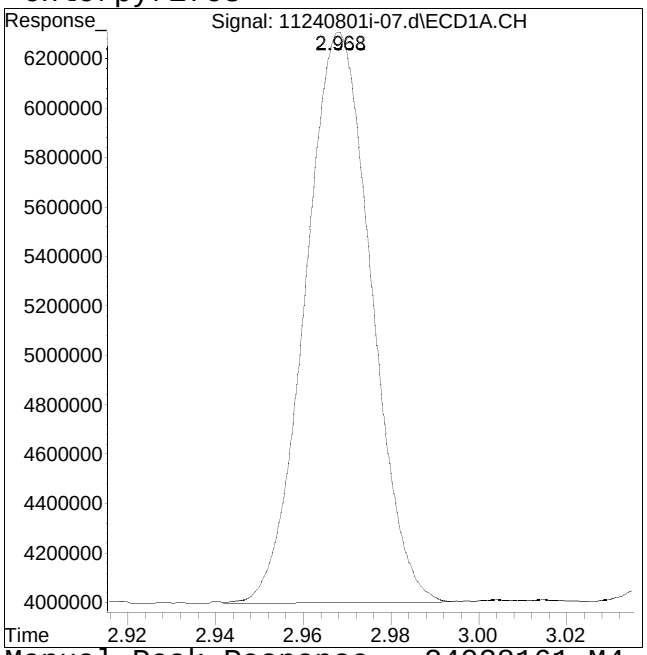
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #11: Chlorpyrifos



Original Peak Response = 24248450



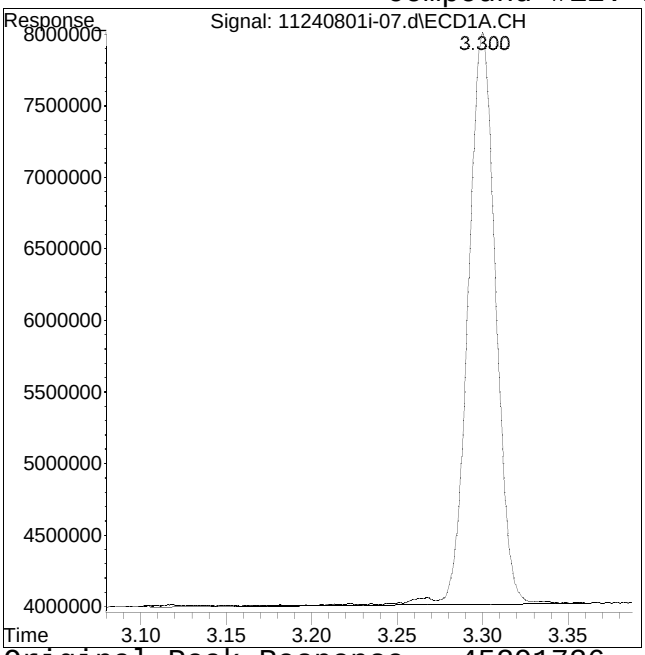
Manual Peak Response = 24028161 M4

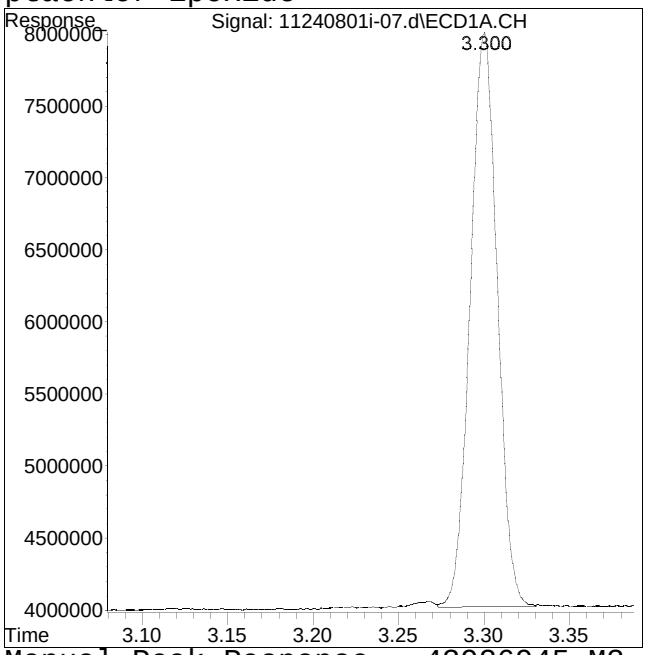
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #12: Heptachlor Epoxide





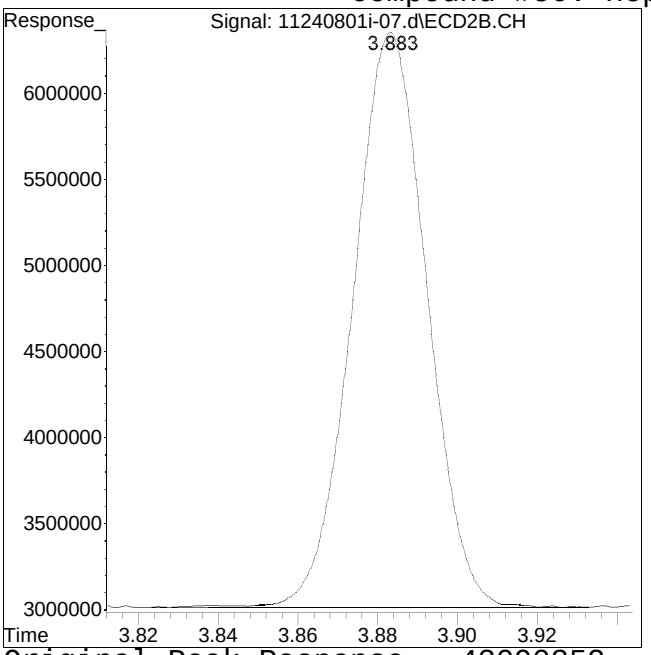
Original Peak Response = 45291736 Manual Peak Response = 43926945 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

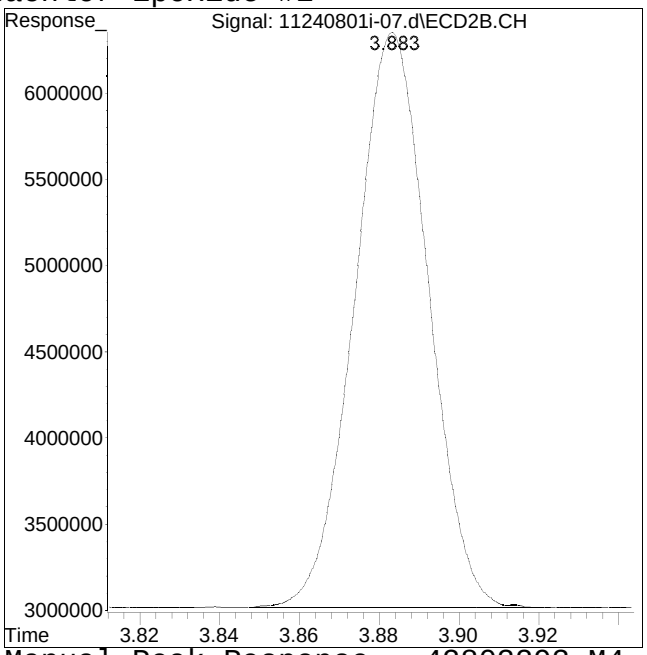
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 43090352



Manual Peak Response = 42803293 M4

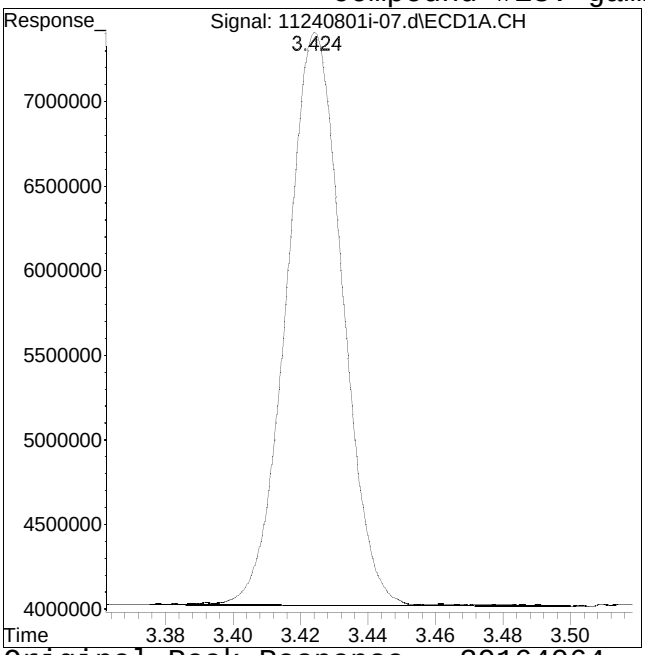
M4 = Poor automated baseline construction.

Manual Integration Report

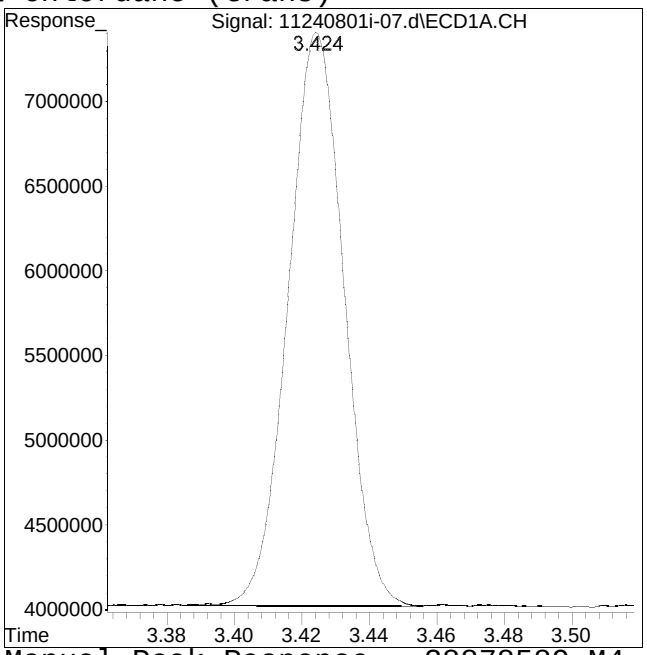
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 39164064



Manual Peak Response = 38878589 M4

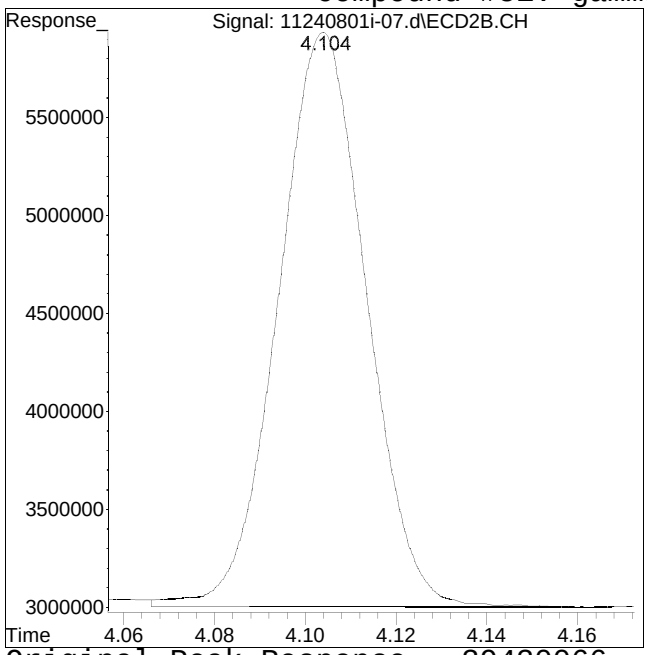
M4 = Poor automated baseline construction.

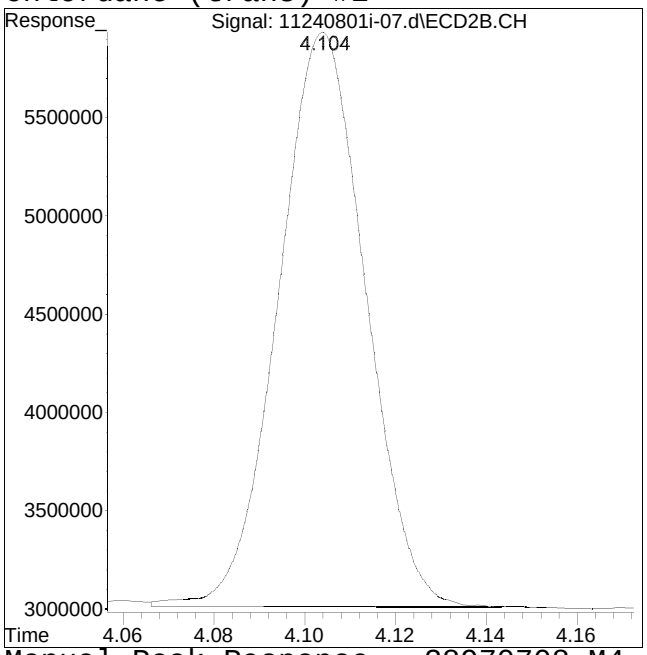
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #51: gamma-Chlordane (trans) #2



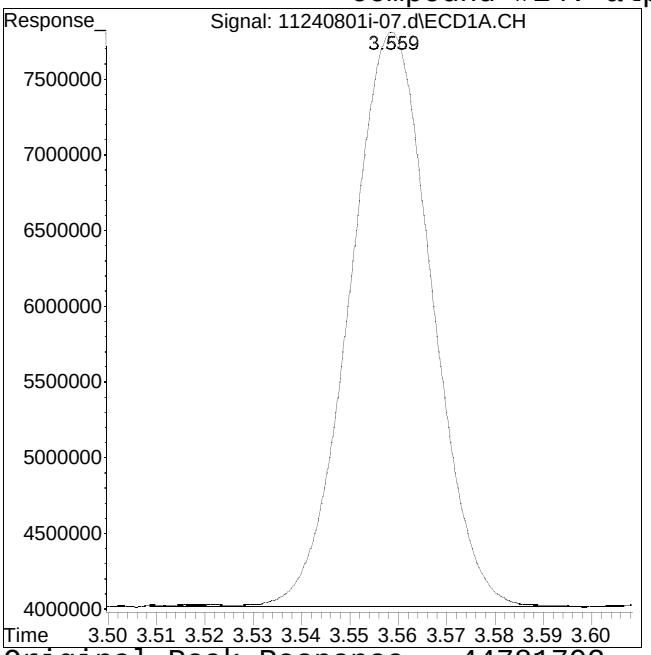


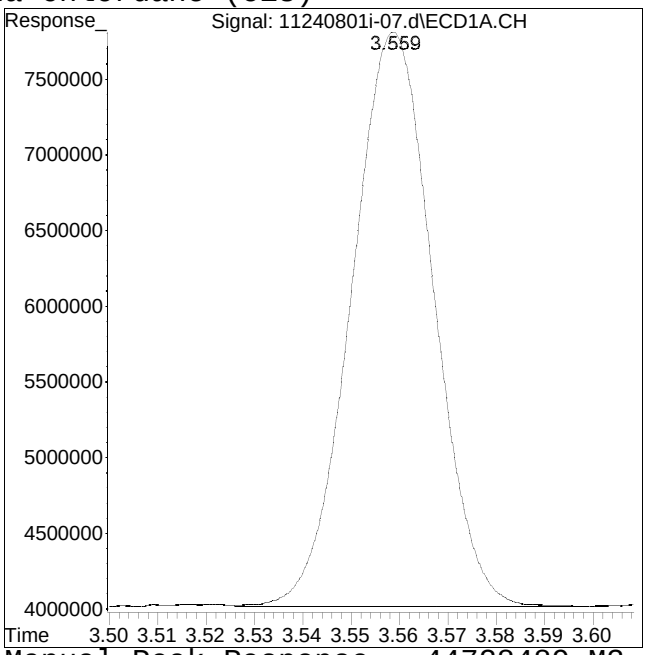
Original Peak Response = 39430066 Manual Peak Response = 38970708 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #14: alpha-Chlordane (cis)



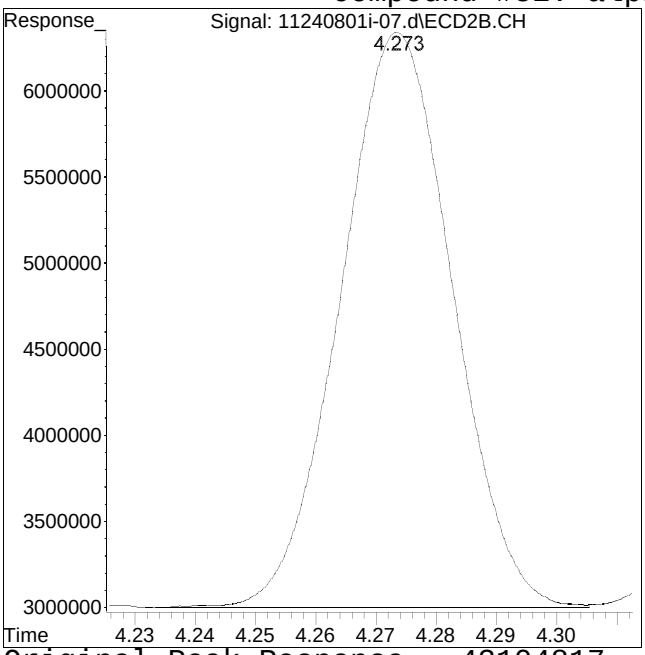


Original Peak Response = 44781792 Manual Peak Response = 44728489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

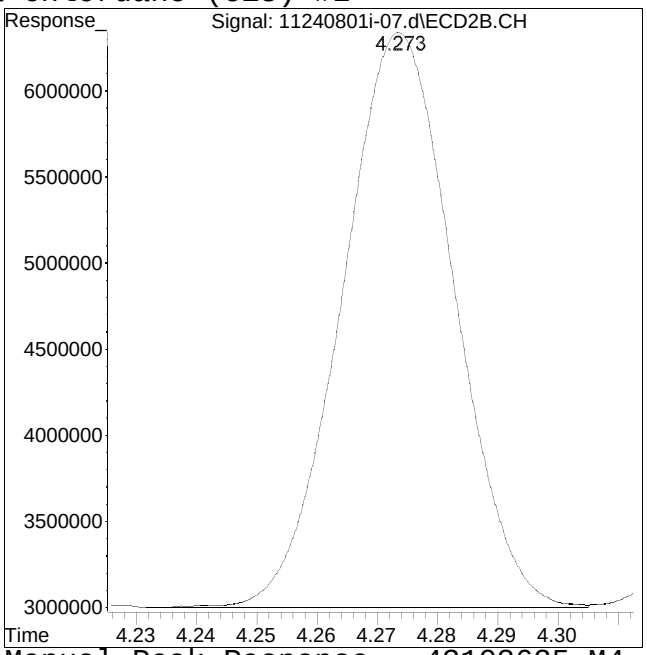
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 43104817



Manual Peak Response = 43103625 M4

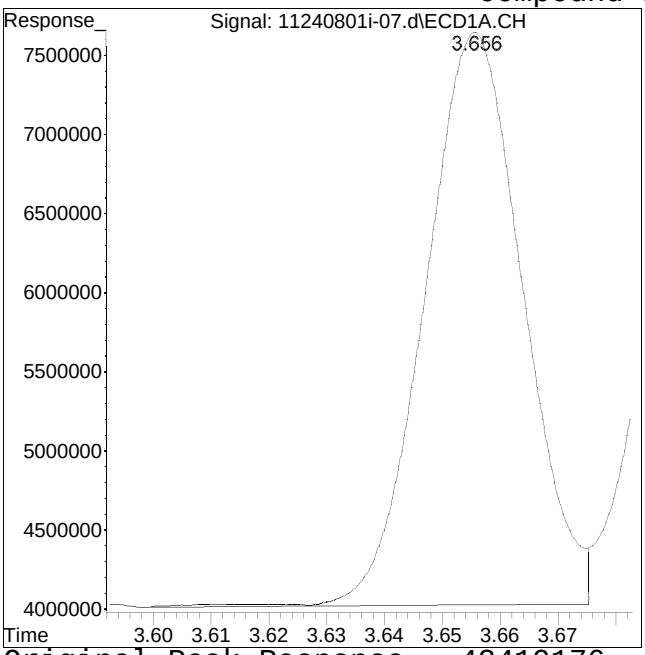
M4 = Poor automated baseline construction.

Manual Integration Report

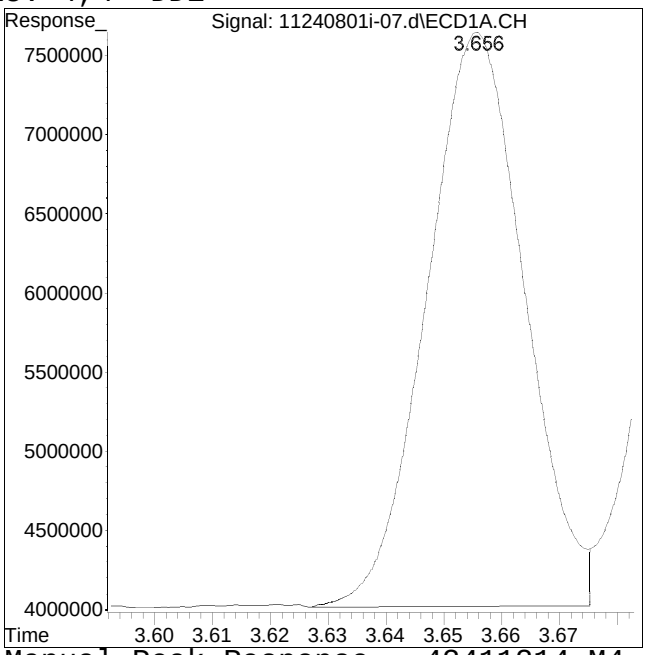
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #15: 4,4'-DDE



Original Peak Response = 42419176



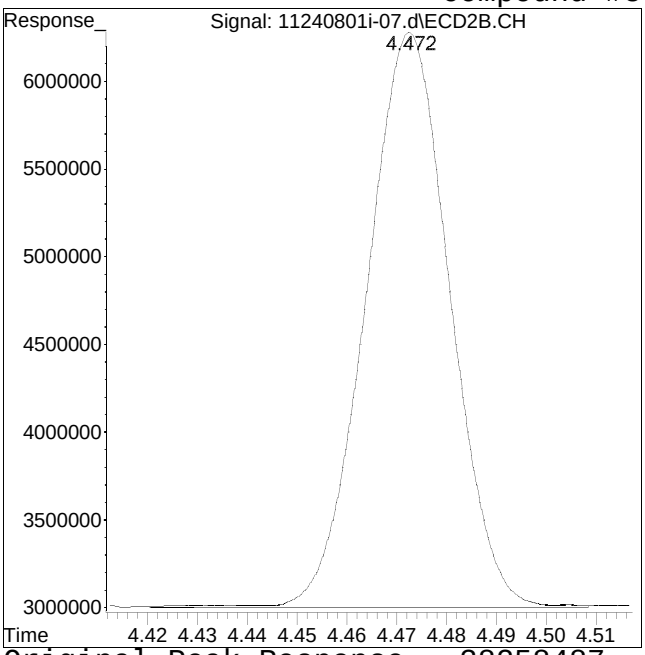
Manual Peak Response = 42411214 M4

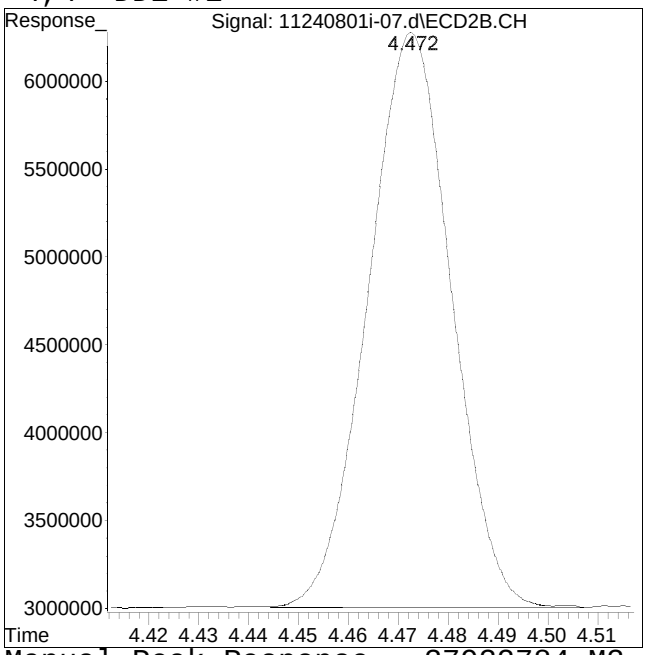
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #53: 4,4'-DDE #2





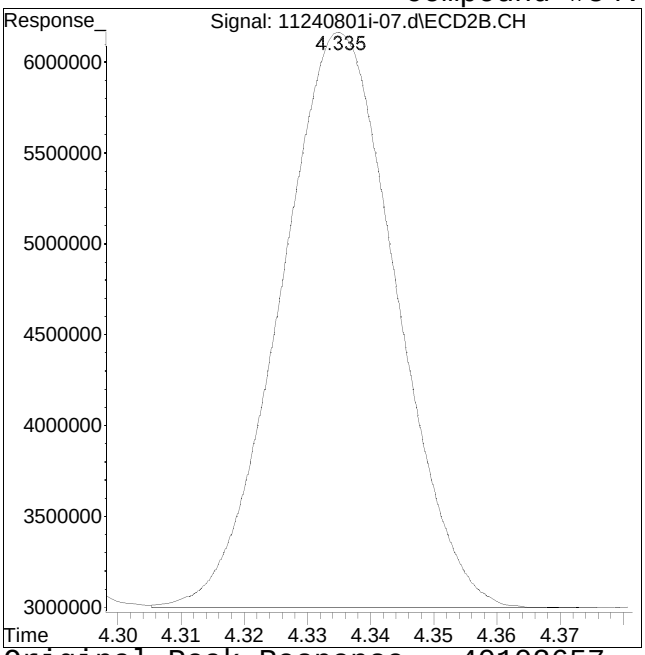
Original Peak Response = 38258487 Manual Peak Response = 37932784 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

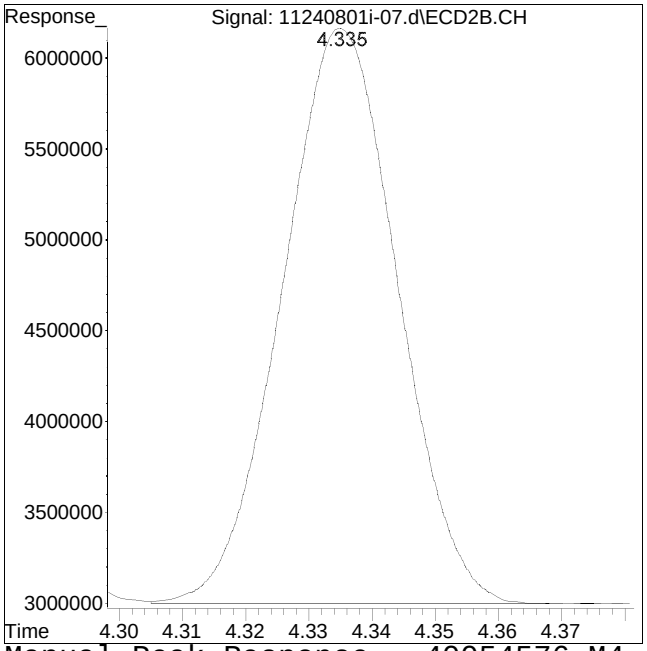
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #54: Endosulfan I #2



Original Peak Response = 40102657



Manual Peak Response = 40054576 M4

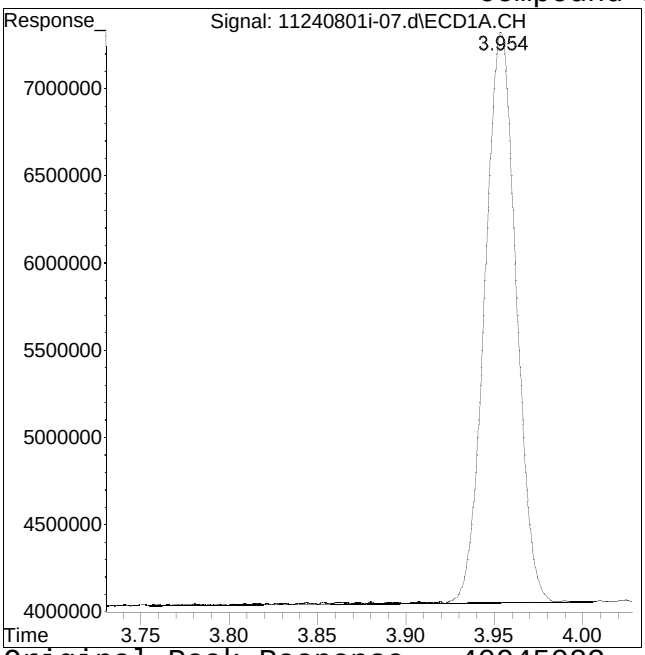
M4 = Poor automated baseline construction.

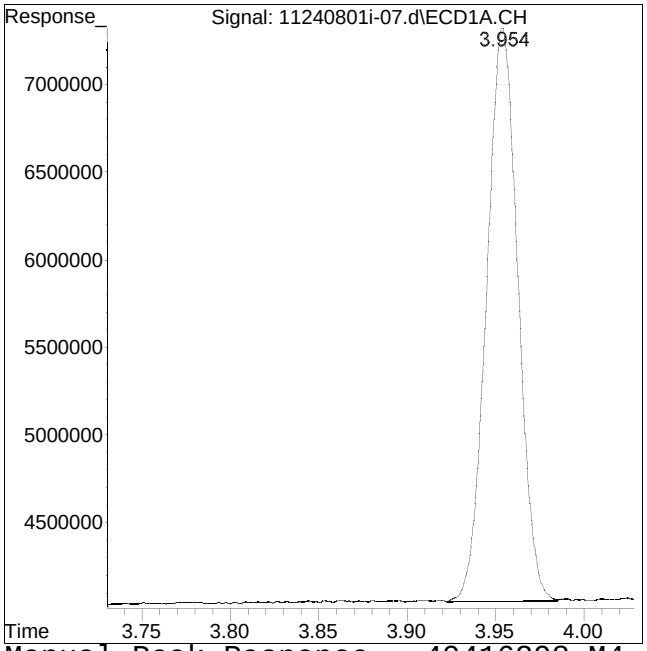
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #17: Dieldrin





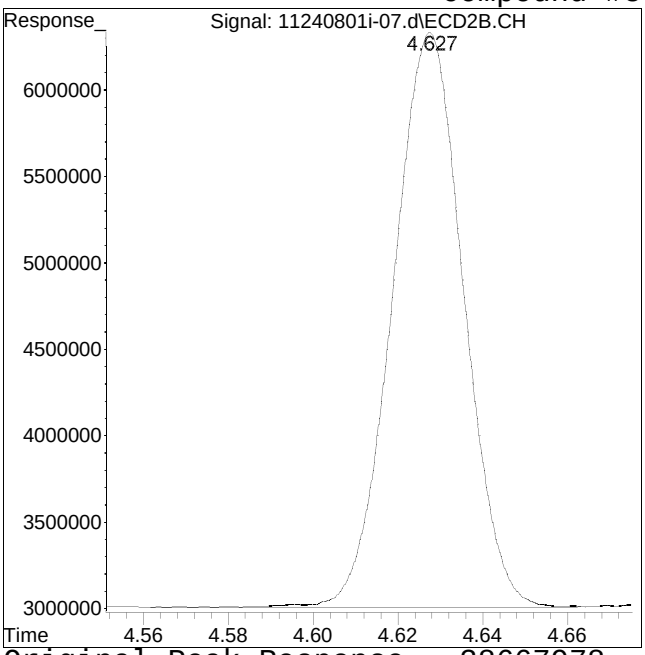
Original Peak Response = 40945022 Manual Peak Response = 40416298 M4
M4 = Poor automated baseline construction.

Manual Integration Report

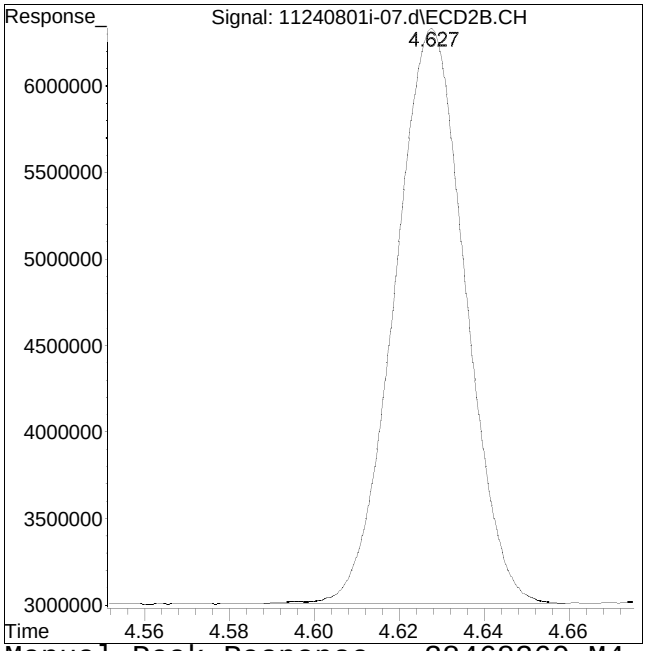
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #55: Dieldrin #2



Original Peak Response = 38667978



Manual Peak Response = 38468360 M4

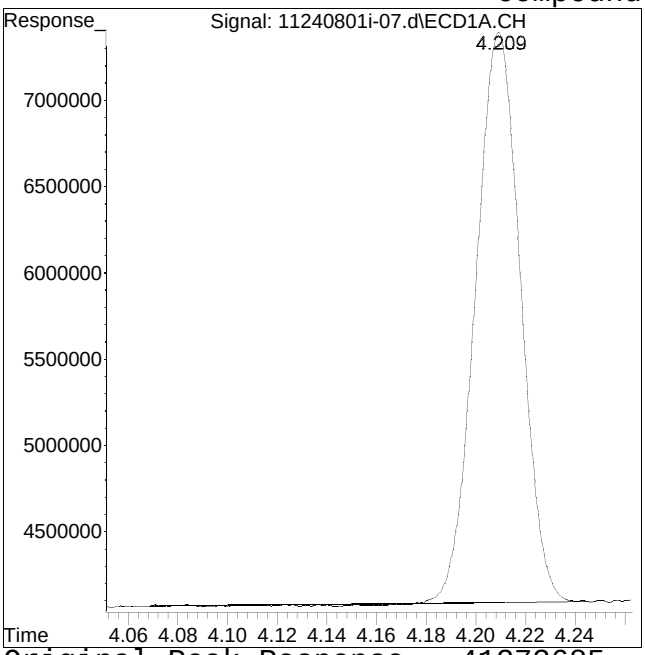
M4 = Poor automated baseline construction.

Manual Integration Report

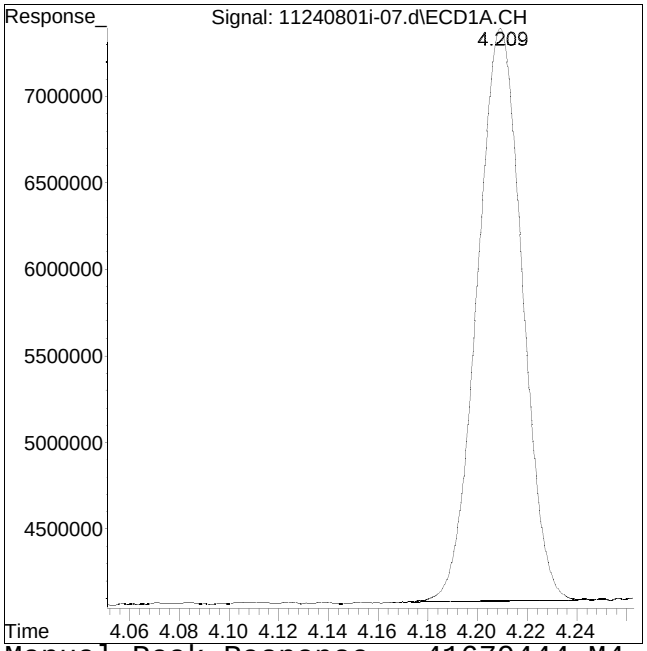
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #18: Endrin



Original Peak Response = 41273685



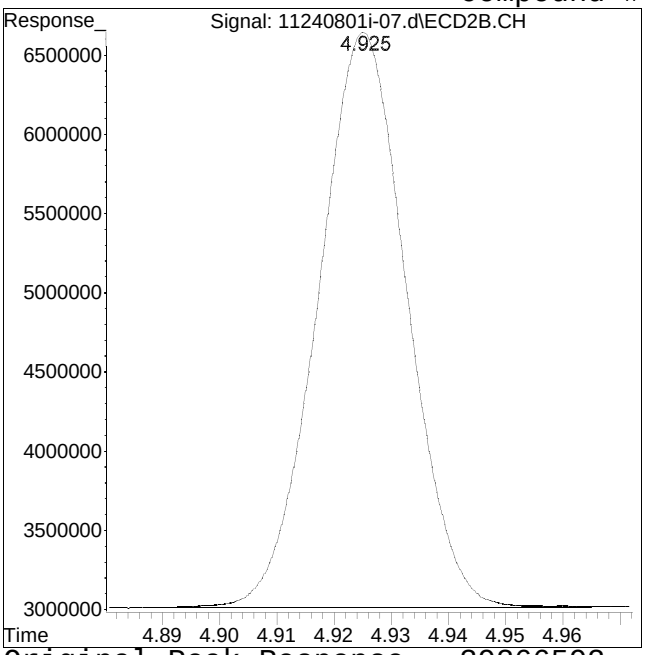
Manual Peak Response = 41670444 M4

M4 = Poor automated baseline construction.

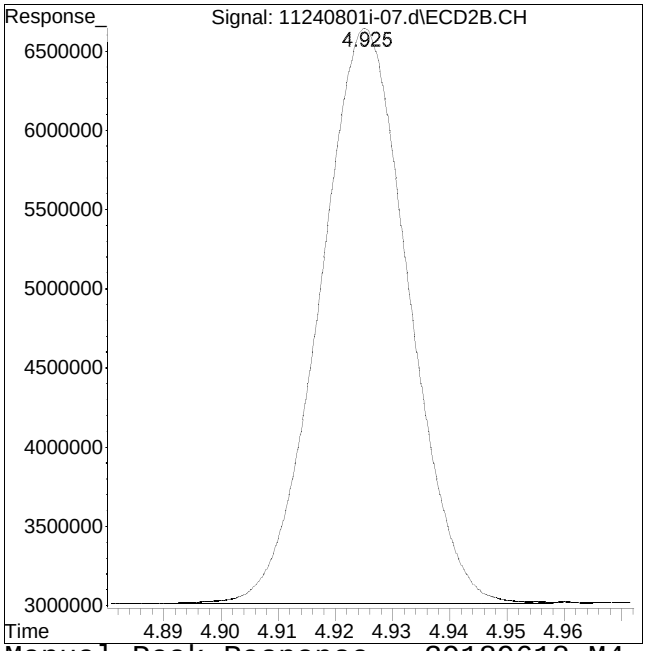
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #56: Endrin #2



Original Peak Response = 39266592



Manual Peak Response = 39189618 M4

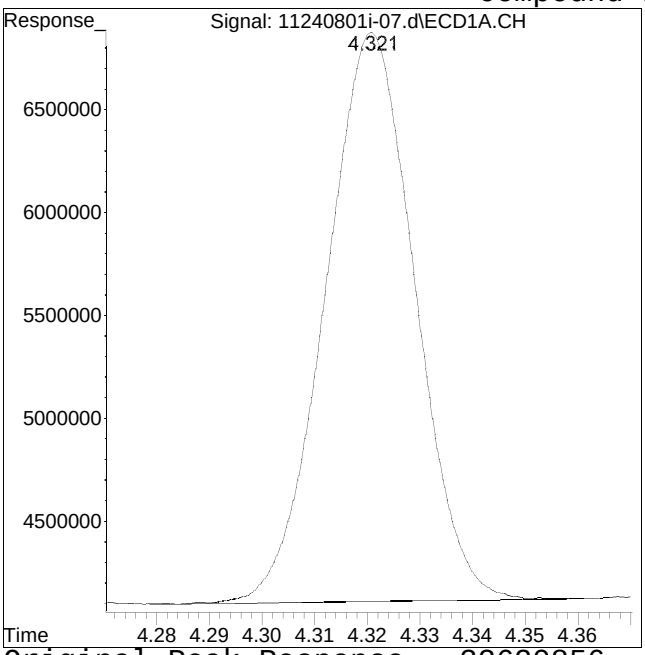
M4 = Poor automated baseline construction.

Manual Integration Report

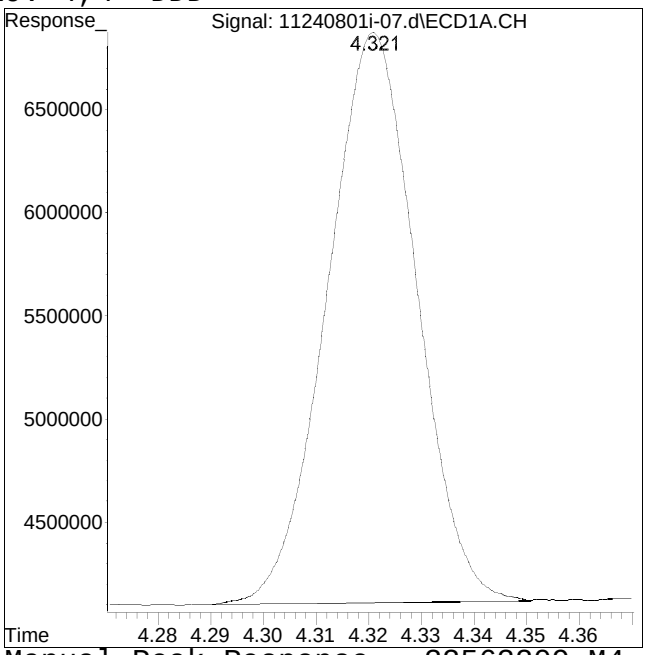
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #19: 4,4'-DDD



Original Peak Response = 32620856



Manual Peak Response = 32563209 M4

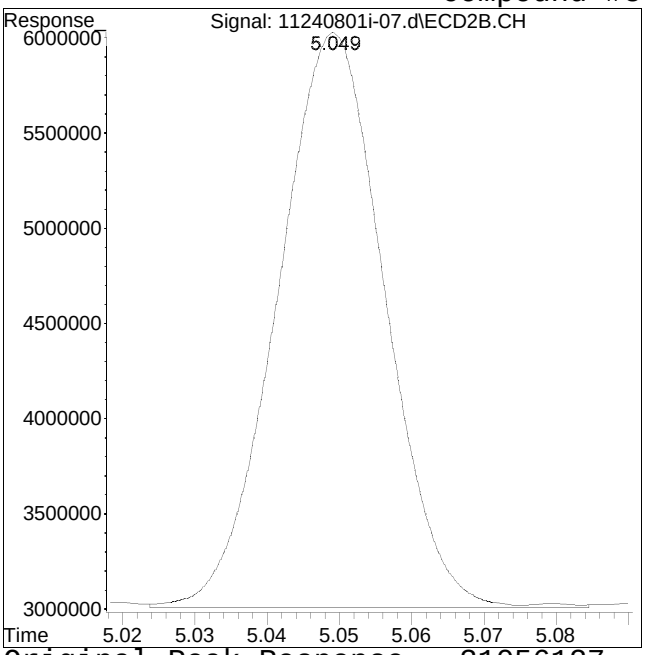
M4 = Poor automated baseline construction.

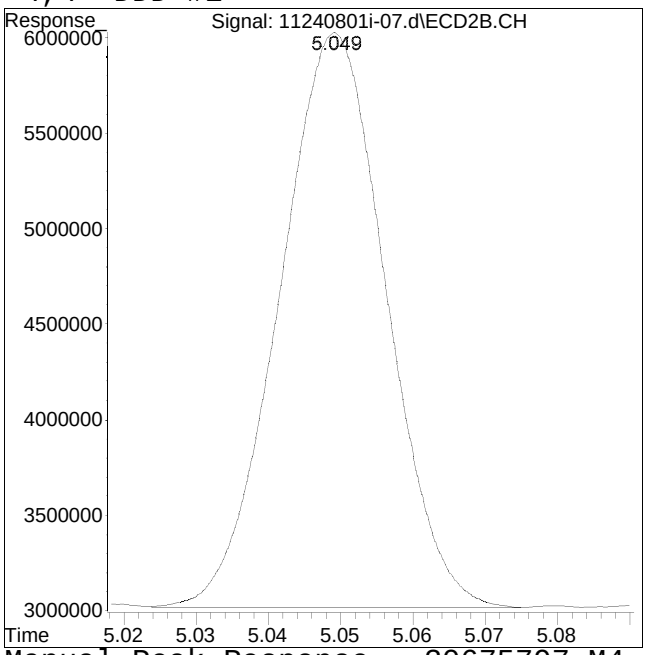
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #57: 4,4'-DDD #2



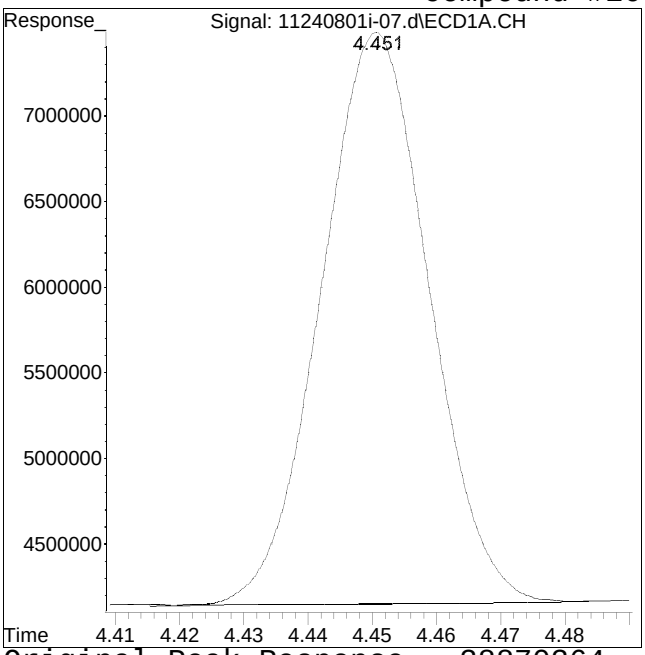


Original Peak Response = 31056127 Manual Peak Response = 30675797 M4
M4 = Poor automated baseline construction.

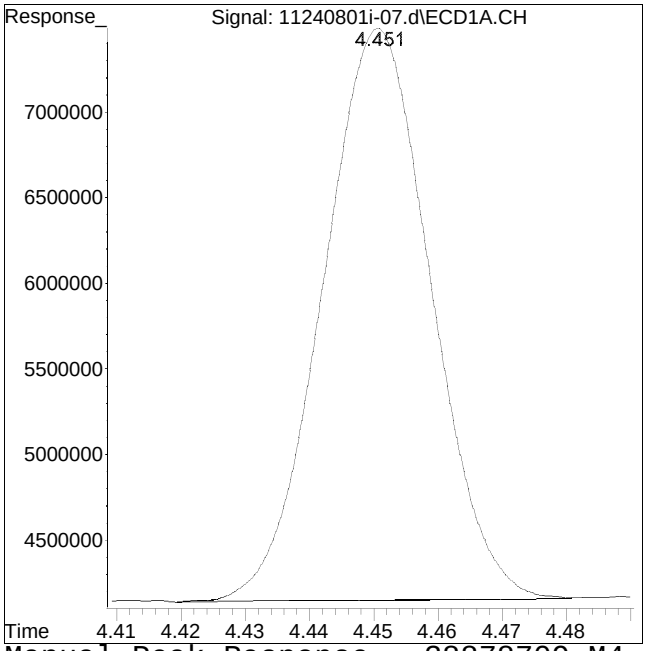
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #20: Endosulfan II



Original Peak Response = 38870364



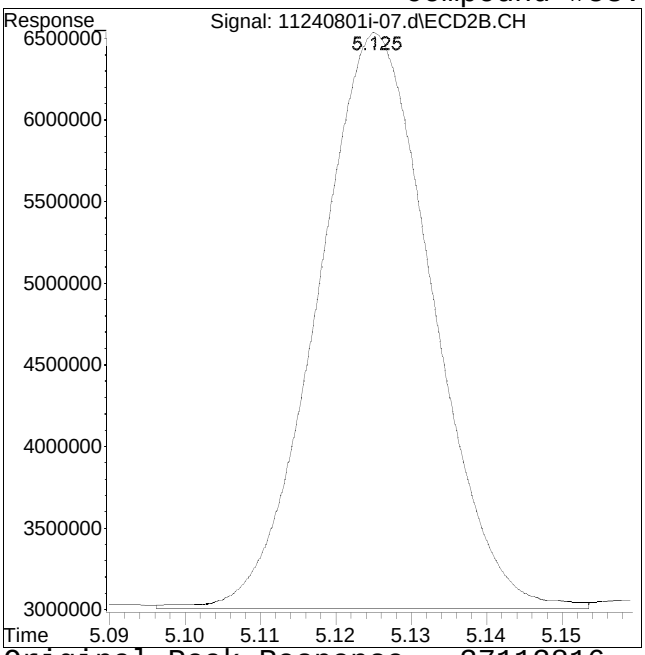
Manual Peak Response = 38878709 M4

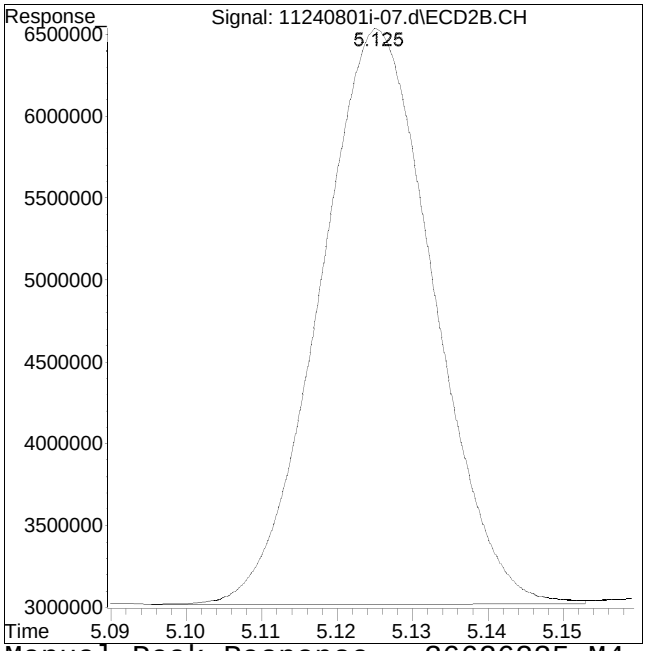
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #58: Endosulfan II #2



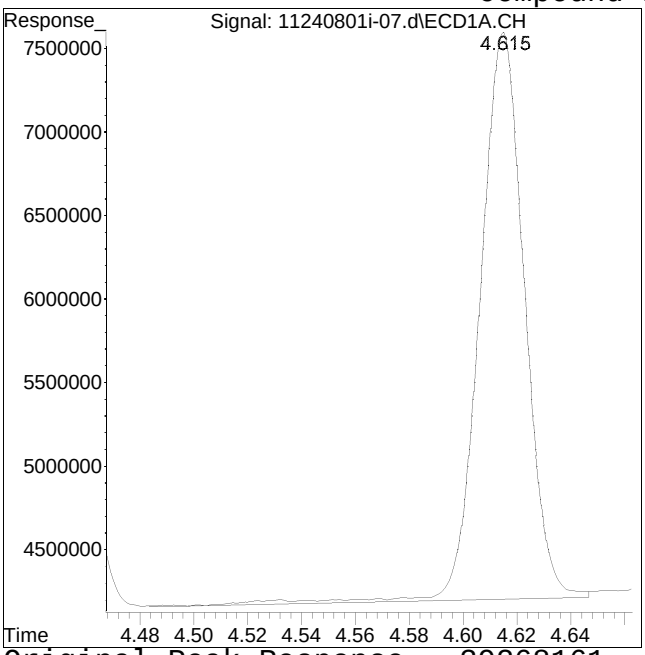


Original Peak Response = 37113816 Manual Peak Response = 36626235 M4
M4 = Poor automated baseline construction.

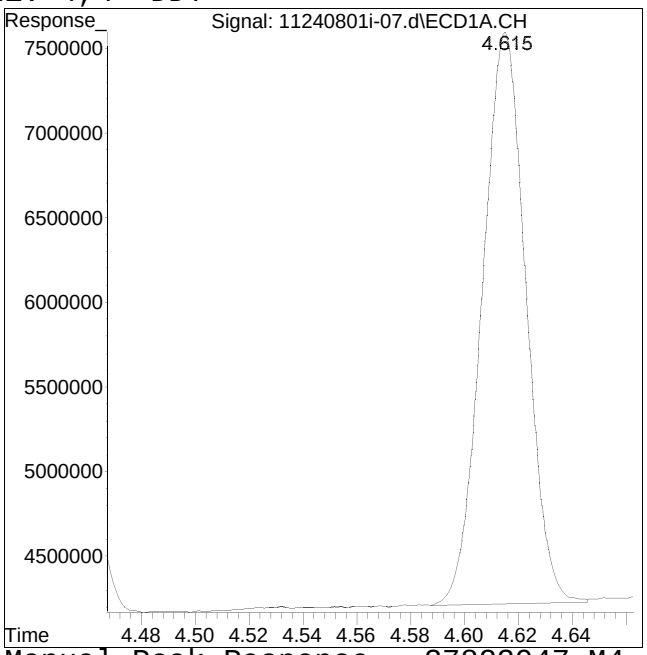
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #21: 4,4'-DDT



Original Peak Response = 39268161



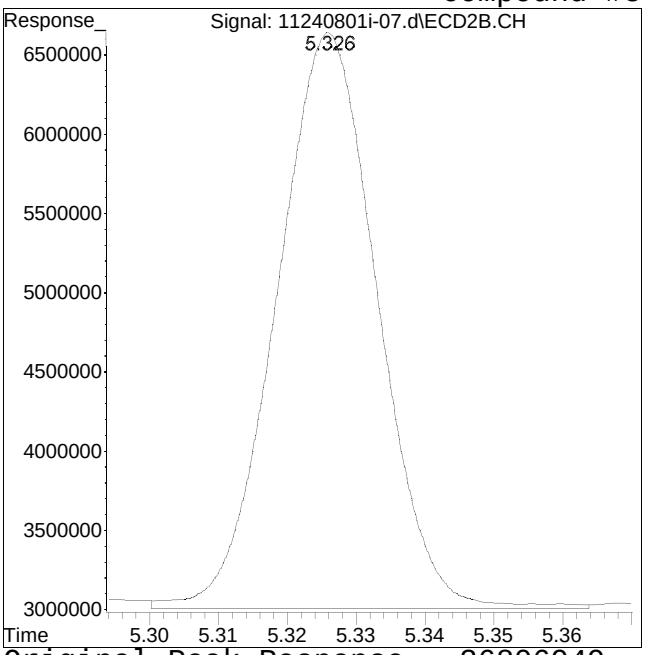
Manual Peak Response = 37823947 M4

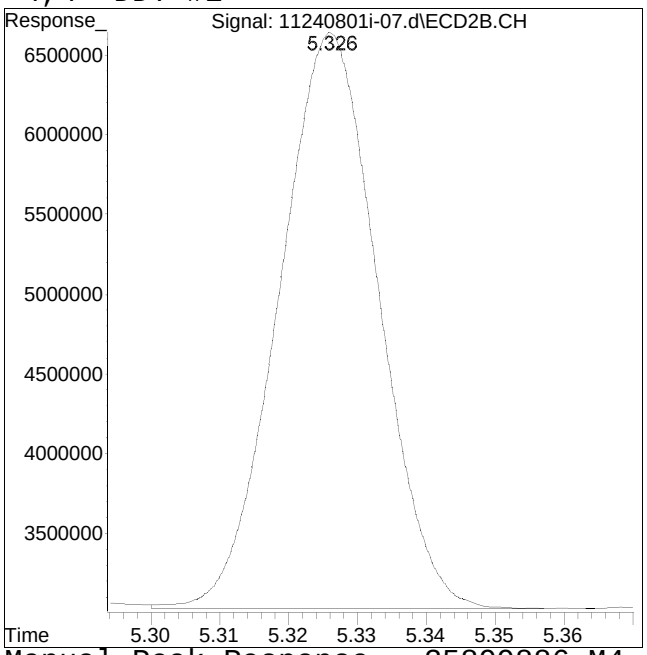
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #59: 4,4'-DDT #2





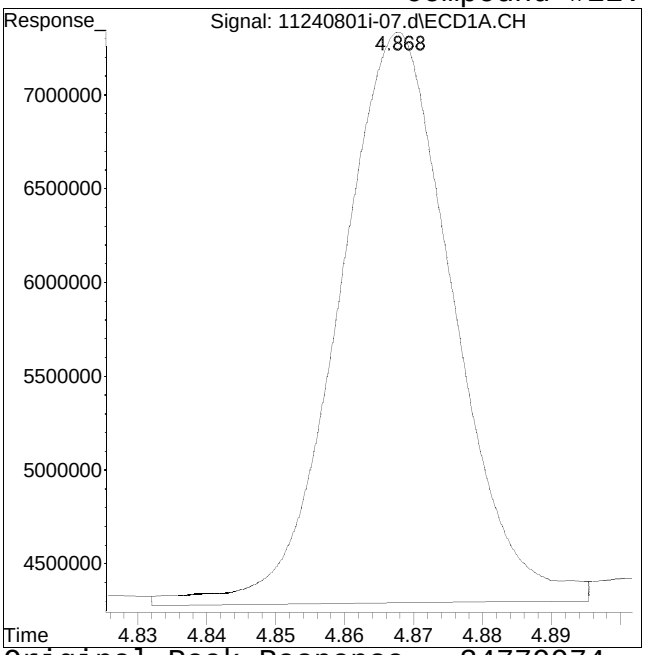
Original Peak Response = 36806949 Manual Peak Response = 35899886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

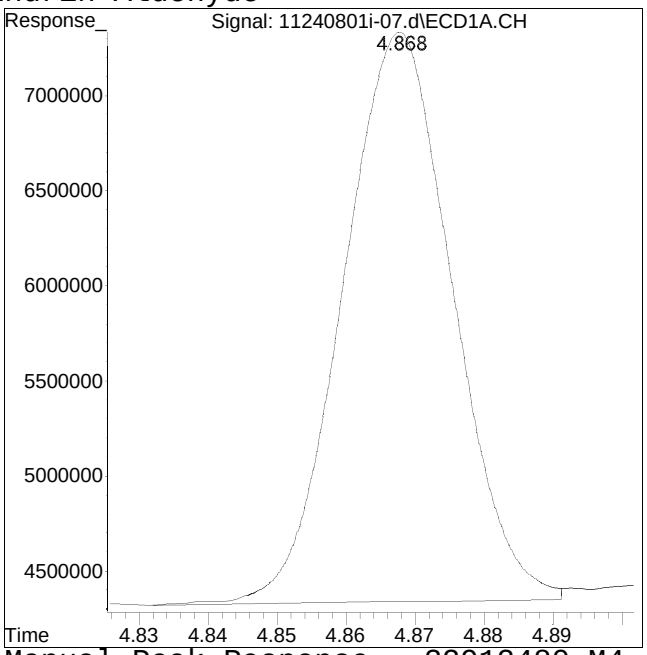
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #22: Endrin Aldehyde



Original Peak Response = 34779974



Manual Peak Response = 32912480 M4

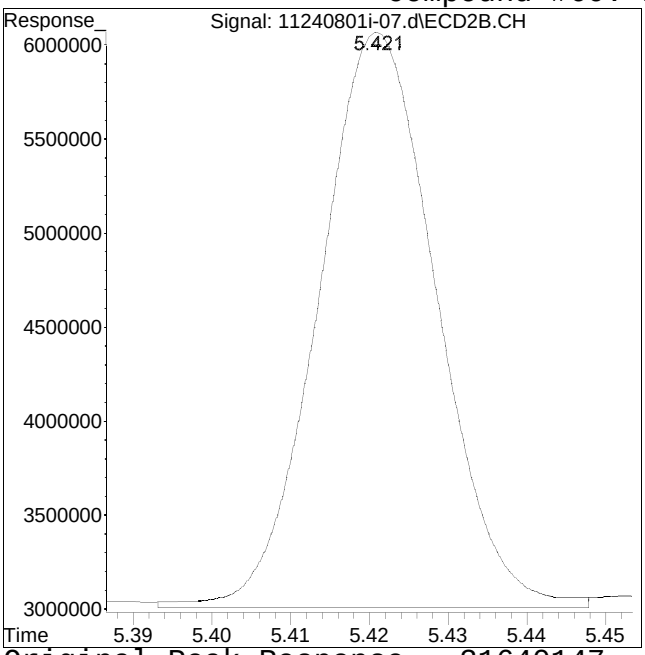
M4 = Poor automated baseline construction.

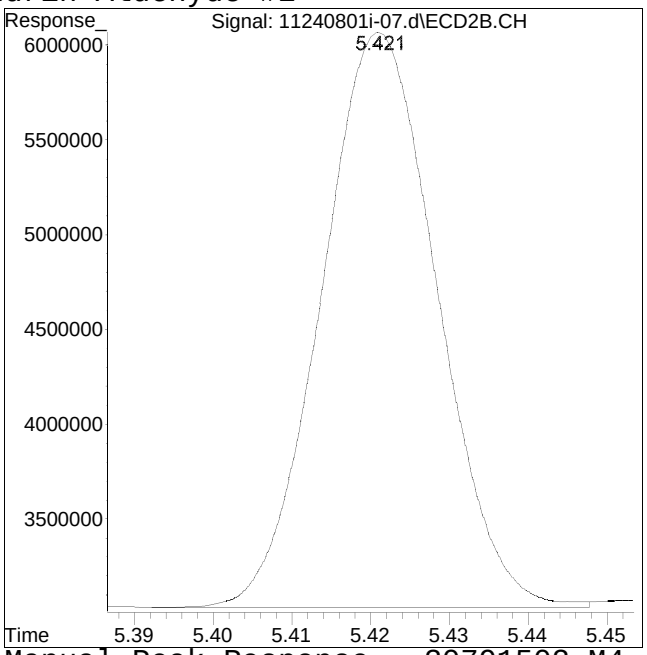
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #60: Endrin Aldehyde #2





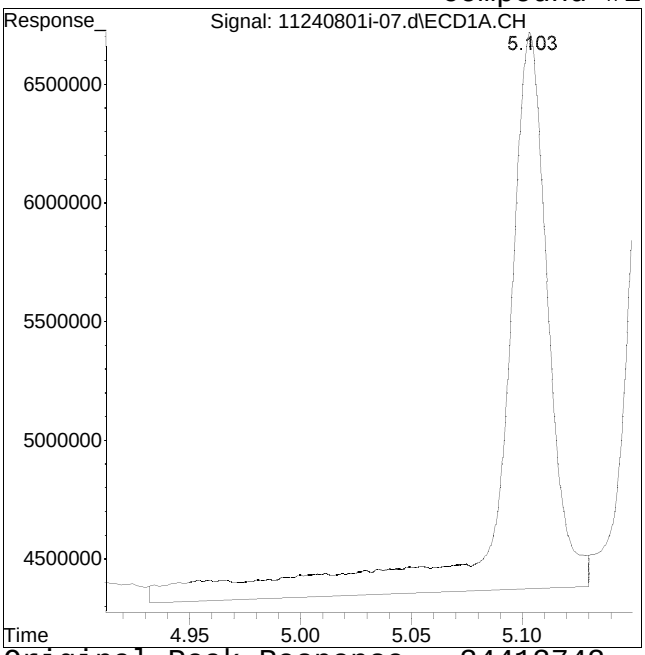
Original Peak Response = 31640147 Manual Peak Response = 30791502 M4
M4 = Poor automated baseline construction.

Manual Integration Report

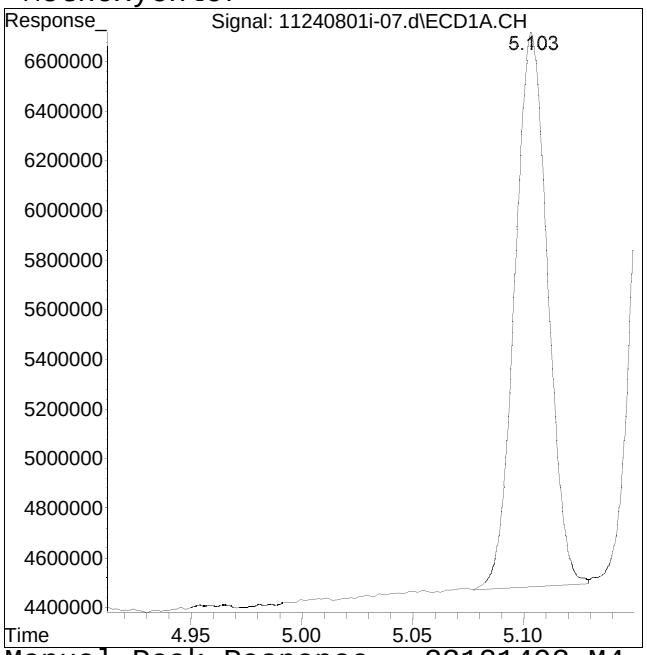
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #23: Methoxychlor



Original Peak Response = 34413742



Manual Peak Response = 23121492 M4

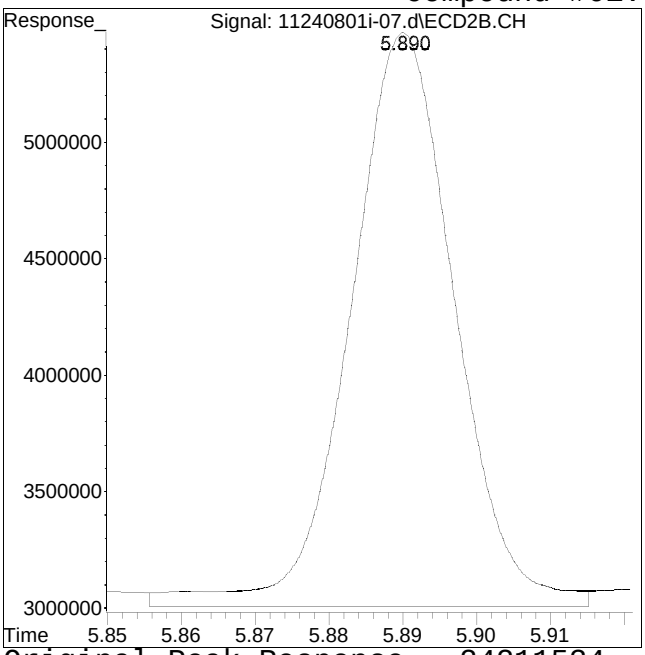
M4 = Poor automated baseline construction.

Manual Integration Report

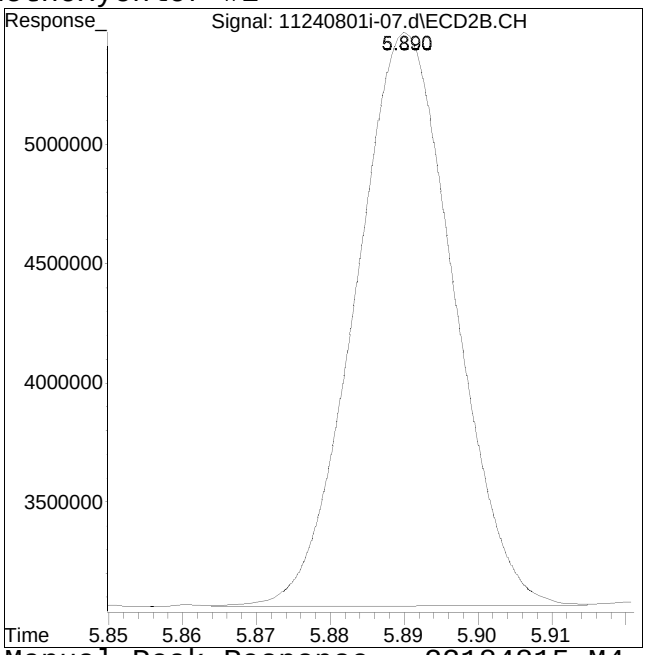
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #61: Methoxychlor #2



Original Peak Response = 24211534



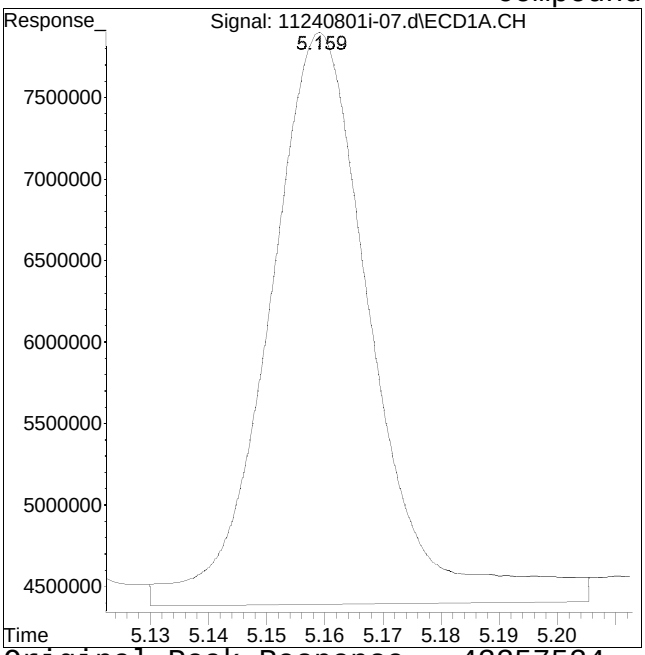
Manual Peak Response = 22184815 M4

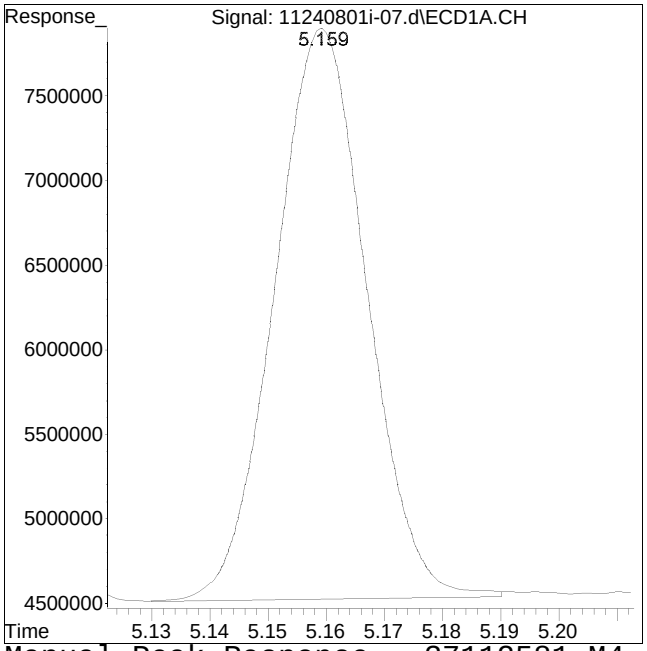
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-07.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:25 Instrument : Pest 11
Sample : il5pest,42e,,pp 11683 L0.0Quant Date : 8/2/2024 10:53 am

Compound #24: Mirex





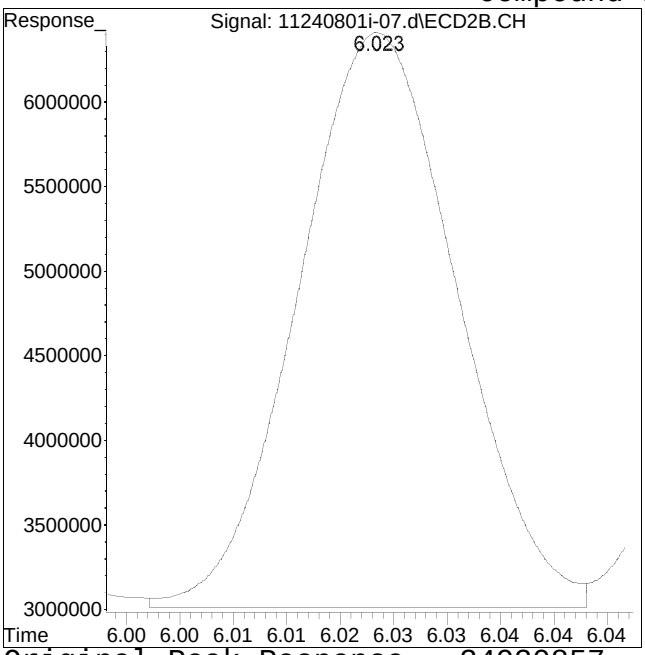
Original Peak Response = 43357534 Manual Peak Response = 37112581 M4
M4 = Poor automated baseline construction.

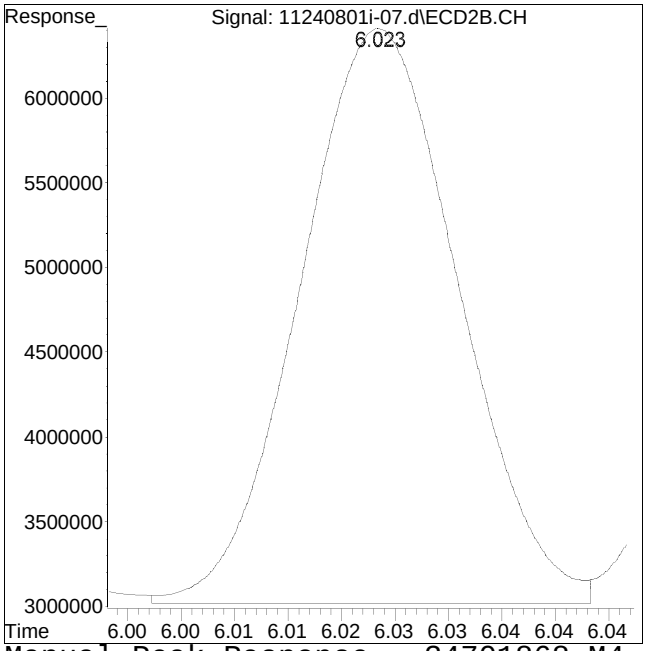
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #62: Mirex #2



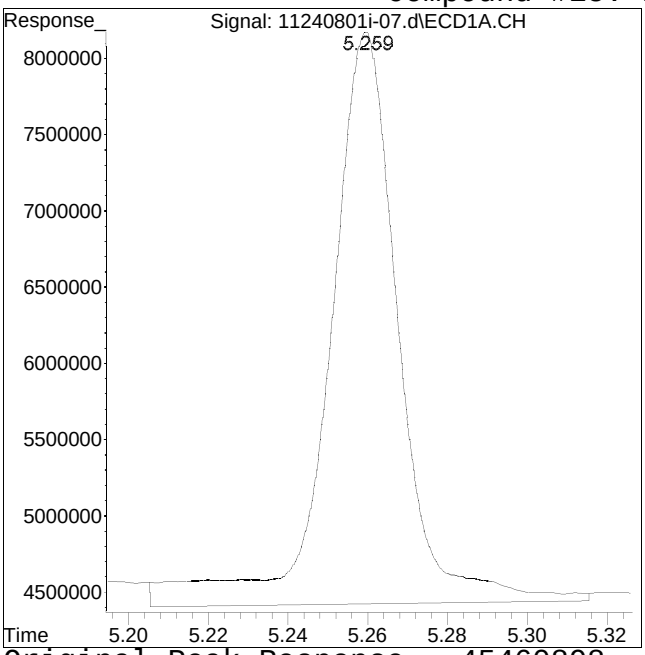


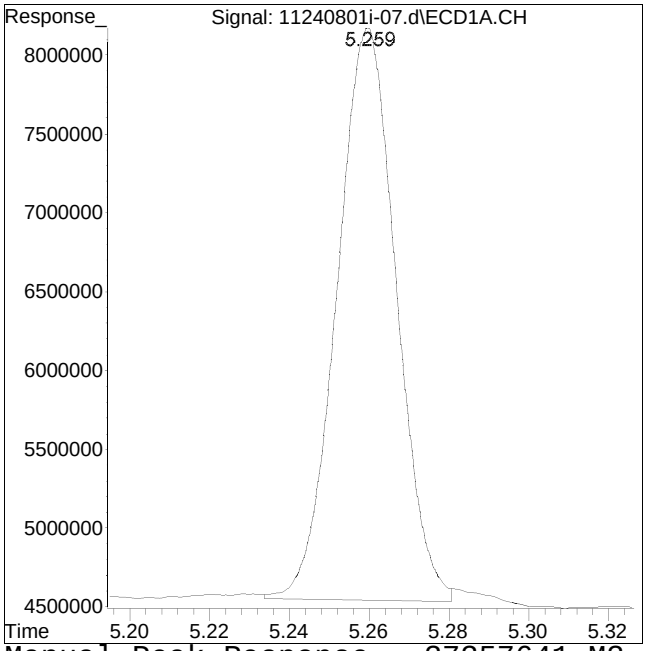
Original Peak Response = 34930857 Manual Peak Response = 34701868 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #25: Endosulfan Sulfate





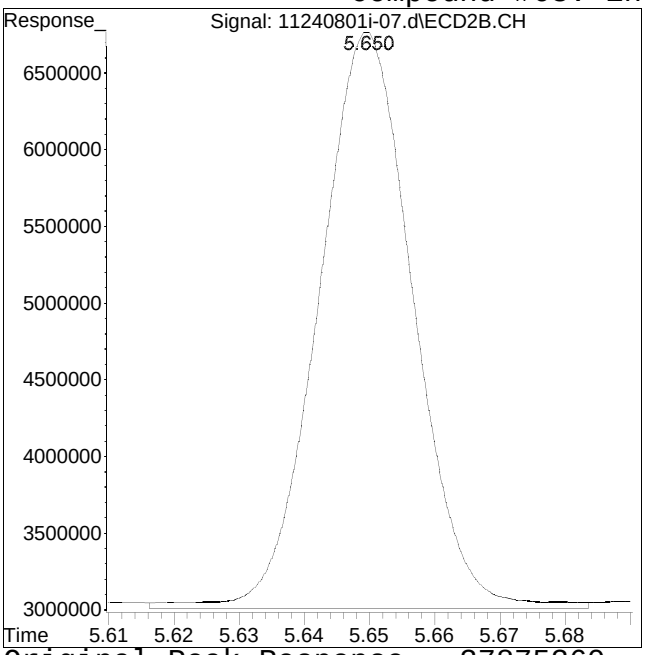
Original Peak Response = 45460898 Manual Peak Response = 37357641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

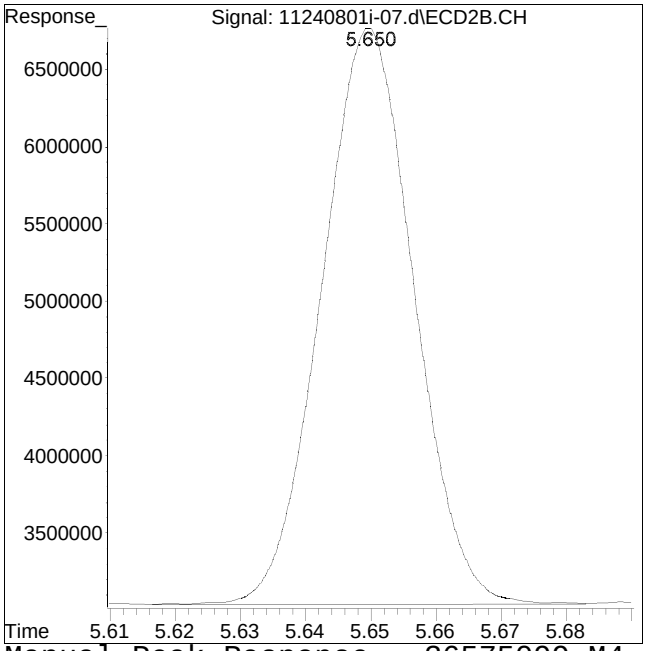
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 37875360



Manual Peak Response = 36575099 M4

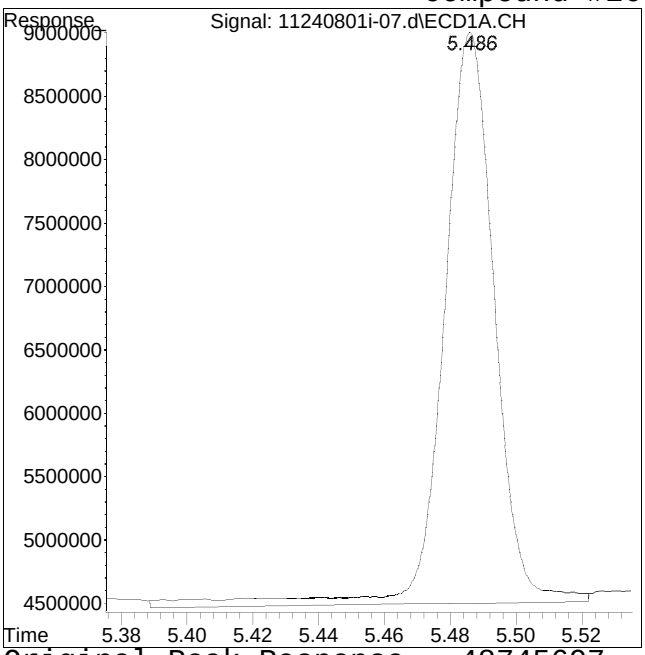
M4 = Poor automated baseline construction.

Manual Integration Report

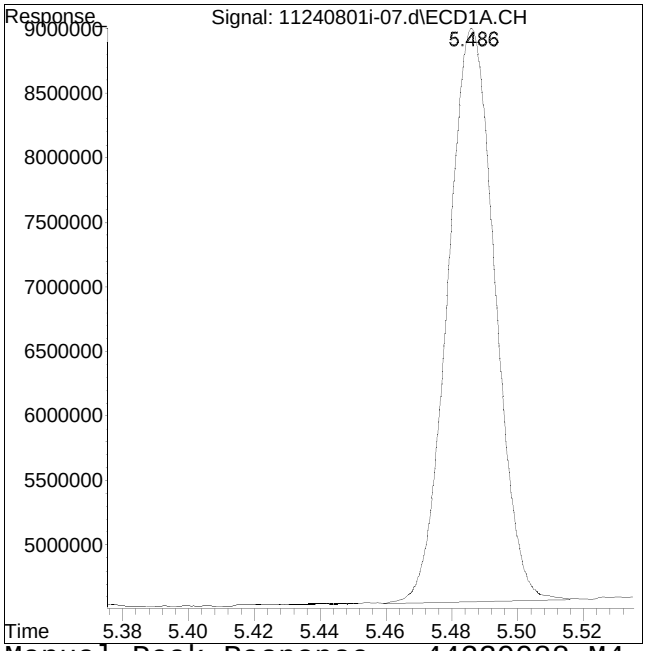
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #26: Endrin Ketone



Original Peak Response = 48745697



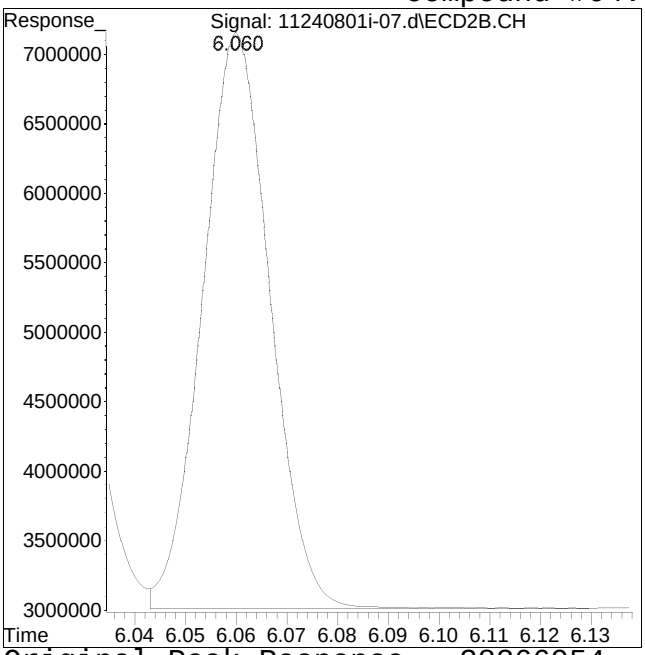
Manual Peak Response = 44230088 M4

M4 = Poor automated baseline construction.

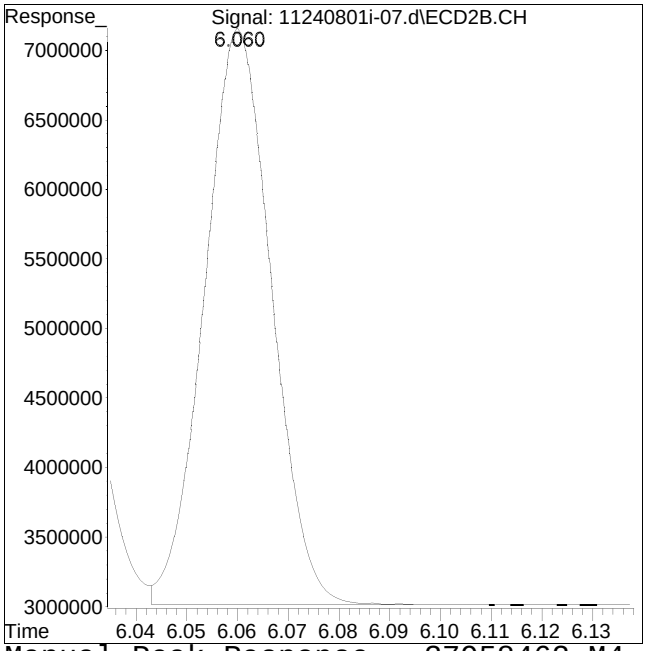
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #64: Endrin Ketone #2



Original Peak Response = 38366954



Manual Peak Response = 37958462 M4

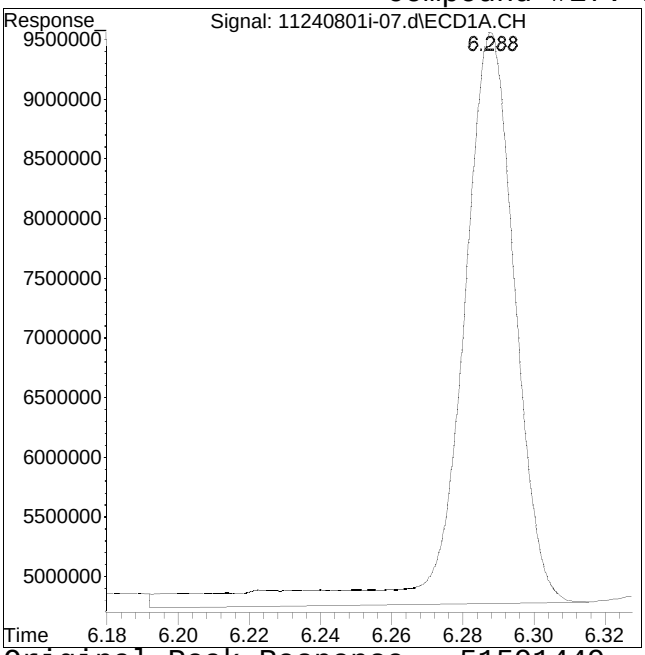
M4 = Poor automated baseline construction.

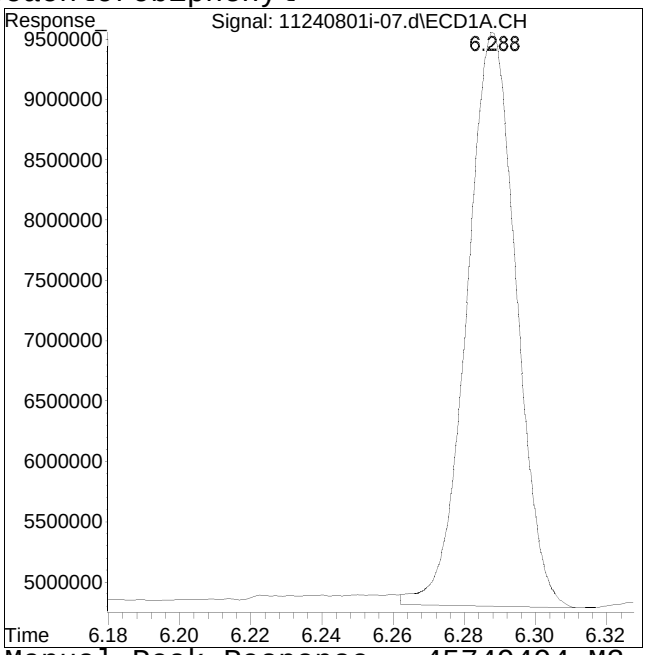
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #27: Decachlorobiphenyl





Original Peak Response = 51591449 Manual Peak Response = 45749494 M3

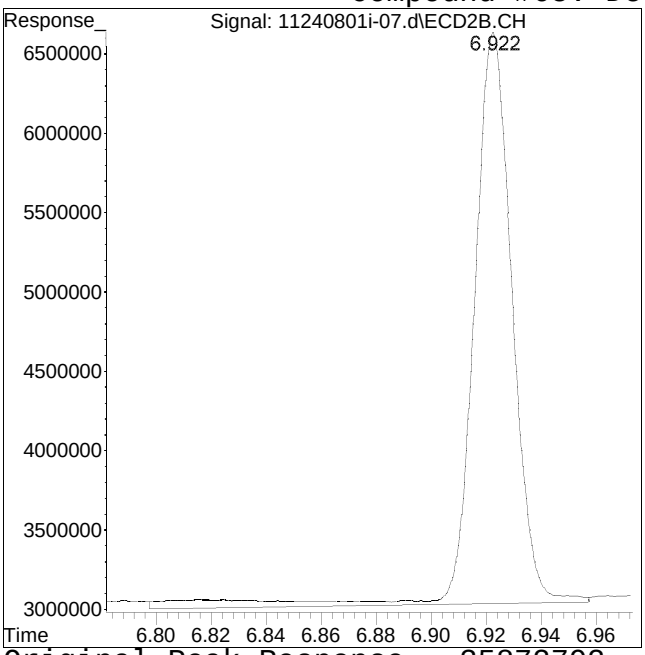
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

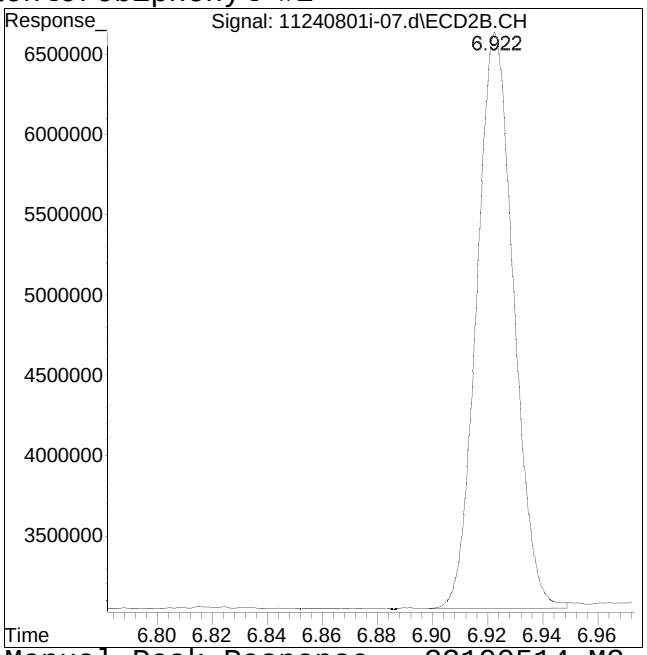
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-07.d
Date Inj'd : 8/1/2024 19:25
Sample : il5pest,42e,,pp 11683 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:53 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 35872792 Manual Peak Response = 33190514 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	230.2E6	183.2E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	94692243	79326112	10.009M3	10.112M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		20.02%#	20.22%#
27) s	Decachlorobi	6.288	6.926	105.6E6	76218538	11.126M4	11.124M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.25%#	22.25%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	128.7E6	87741303	10.612M3	10.546M4
4) t	alpha-BHC	1.963	2.271	131.5E6	113.4E6	8.927M4	8.964M4
5) t	gamma-BHC (l	2.165	2.556	124.7E6	105.7E6	9.208M4	9.281M4
6) t	beta-BHC	2.221	2.622	57666588	50690449	10.408M4	10.925M4
7) t	delta-BHC	2.349	2.889	123.1E6	105.8E6	8.948M4	9.082M4
8) t	Heptachlor	2.513	2.952	121.4E6	113.2E6	9.955M3	10.142M4
9) t	Aldrin	2.756	3.271	111.0E6	100.2E6	9.353M3	9.490
10) t	Alachlor	2.876	3.153	21898451	17688763	11.052M3	13.104M4
11) t	Chlorpyrifos	2.968	3.506	56598911	64282619	12.097M4	12.517M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	109.2E6	100.6E6	10.102M3	10.320M4
13)	t	gamma-Chlord	3.424	4.104	96157290	90465298	9.543M4	9.961M4
14)	t	alpha-Chlord	3.558	4.274	110.5E6	101.3E6	9.760M3	10.124M4
15)	t	4,4'-DDE	3.656	4.473	107.5E6	93263696	9.325M4	9.283M4
16)	t	Endosulfan I	3.695	4.335	102.4E6	94144855	9.968	10.358M4
17)	t	Dieldrin	3.954	4.627	102.5E6	92864186	9.418M4	9.671M3
18)	t	Endrin	4.209	4.925	105.4E6	94579708	9.682M4	9.746M4
19)	t	4,4'-DDD	4.321	5.049	82871356	75210993	9.153M4	9.330M4
20)	t	Endosulfan I	4.451	5.125	97072990	86490847	10.043	10.443M4
21)	t	4,4'-DDT	4.615	5.326	95391216	87653270	9.380M4	9.565M4
22)	t	Endrin Aldeh	4.868	5.421	80826935	71991100	9.975M3	10.462M3
23)	t	Methoxychlor	5.104	5.890	55896006	50960693	11.325M4	11.378M3
24)	t	Mirex	5.159	6.024	88807138	77737040	11.134M3	11.745
25)	t	Endosulfan S	5.259	5.650	92158727	84950349	10.221M3	10.550M4
26)	t	Endrin Keton	5.486	6.060	110.5E6	91234131	10.280M4	10.487M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

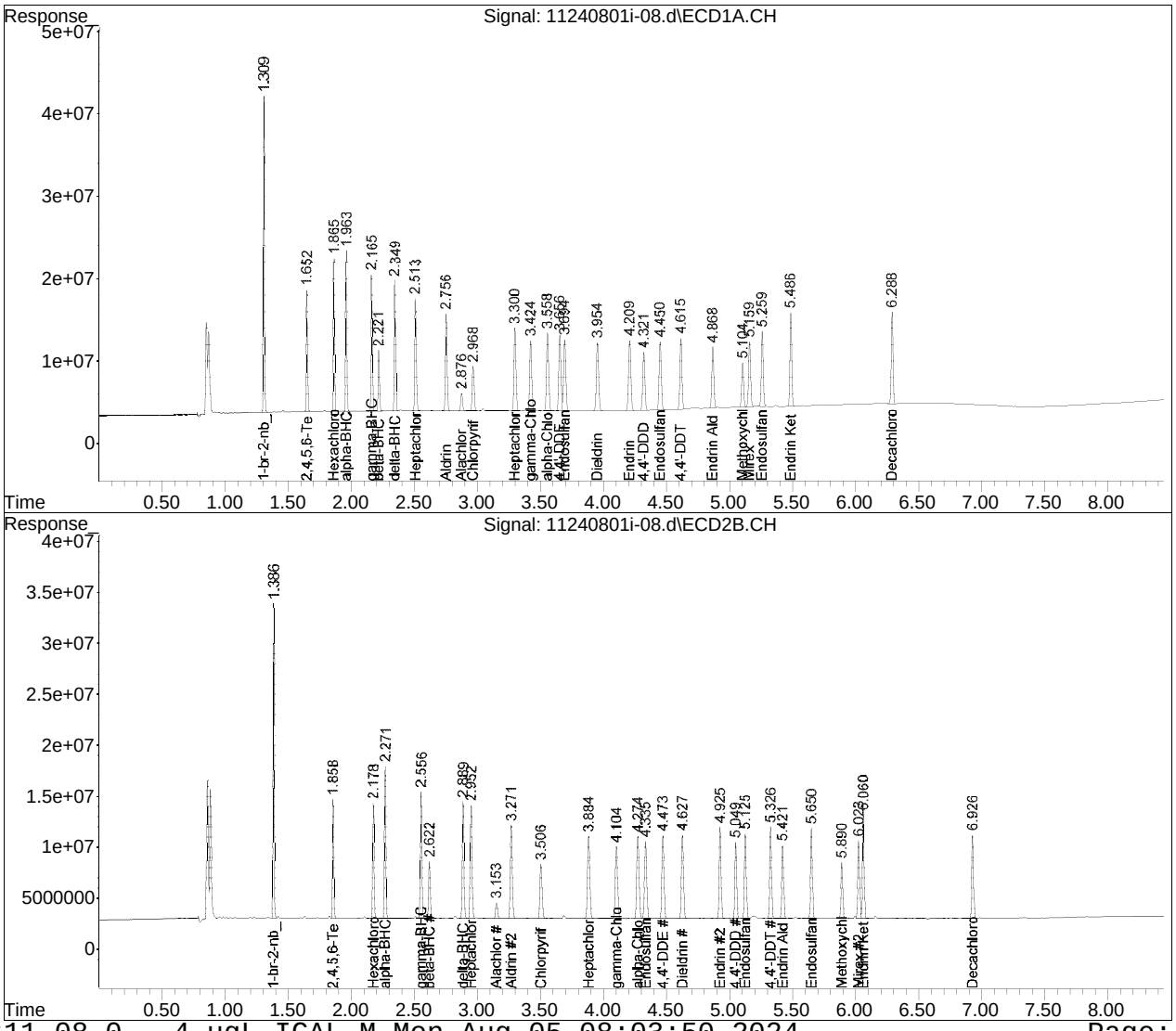
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:37
Operator : PEST11:ejl
Sample : il7pest,42e,,pp 11682 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 10:46:08 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 10:46:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

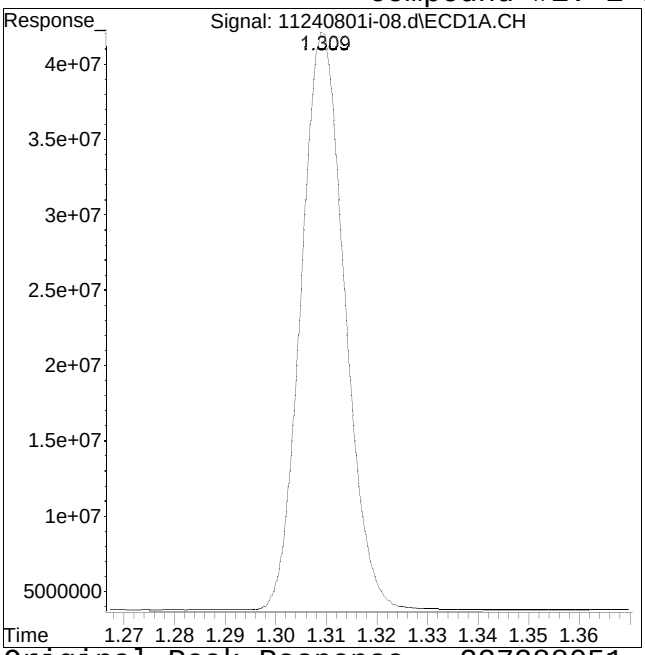


Manual Integration Report

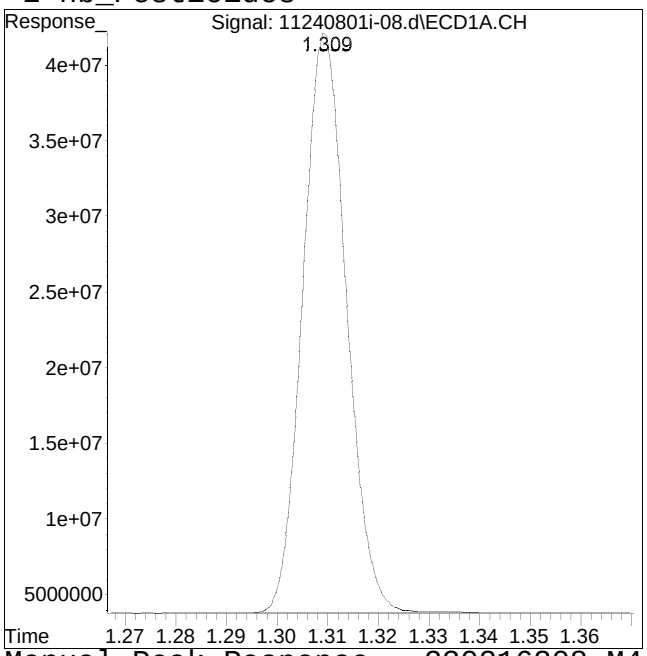
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 237388051



Manual Peak Response = 230216308 M4

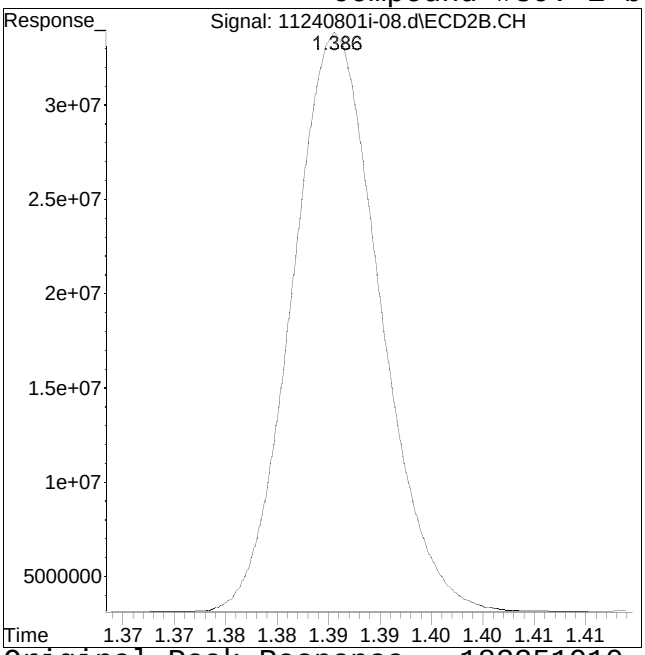
M4 = Poor automated baseline construction.

Manual Integration Report

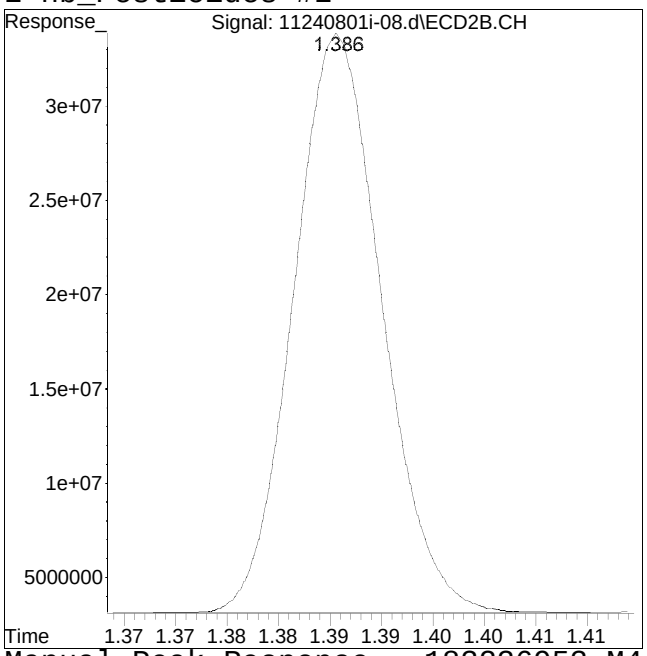
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 183351910



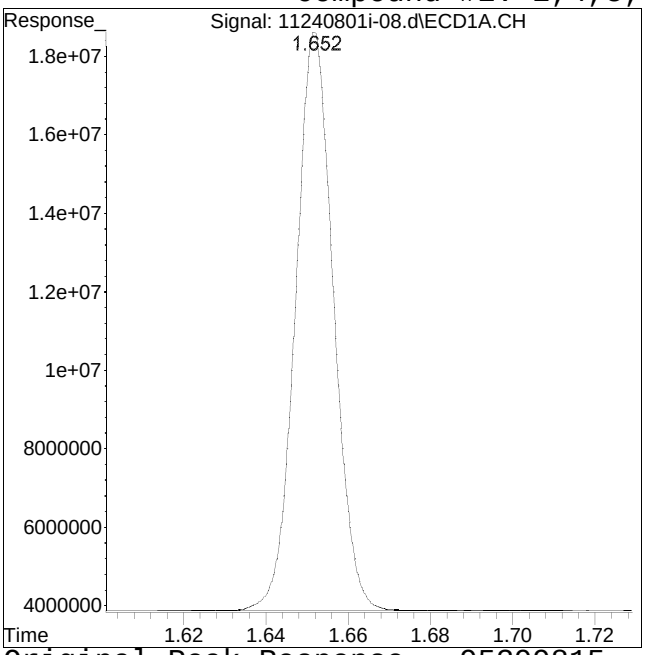
Manual Peak Response = 183236953 M4

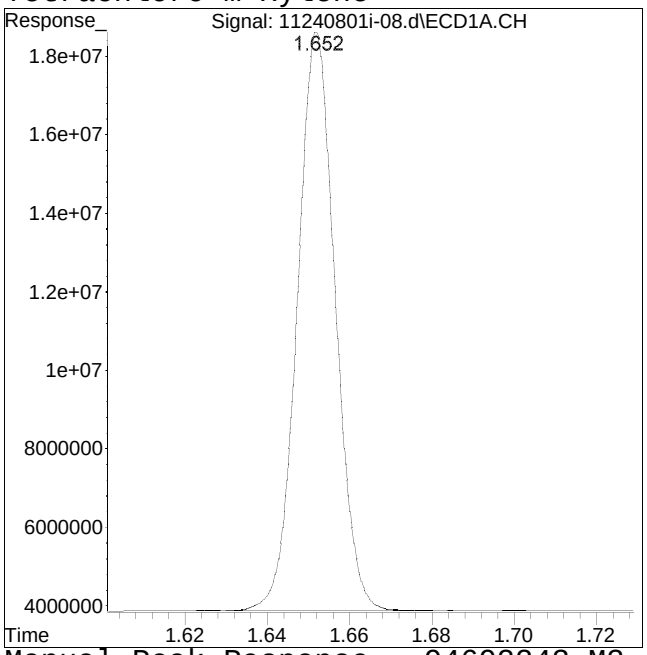
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





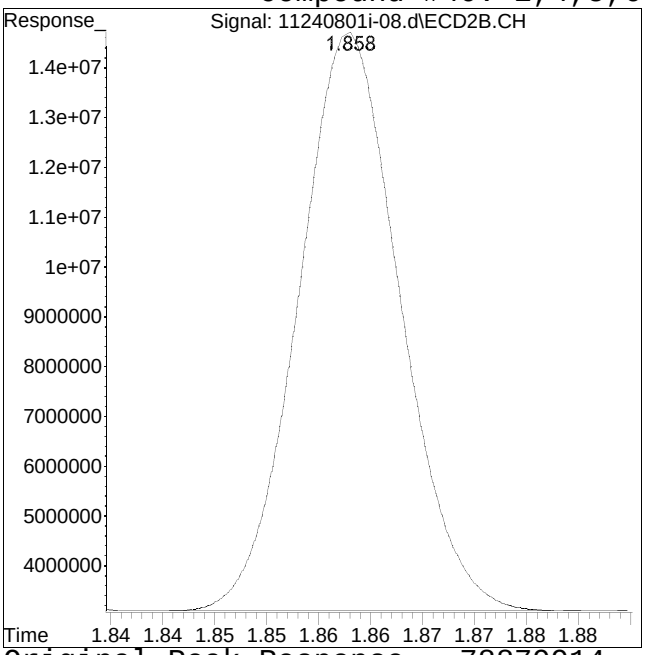
Original Peak Response = 95399815 Manual Peak Response = 94692243 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

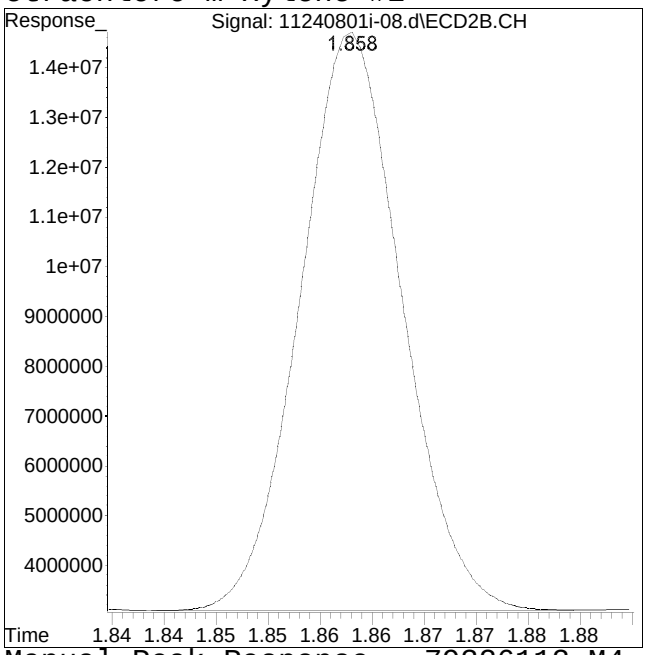
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 78879914



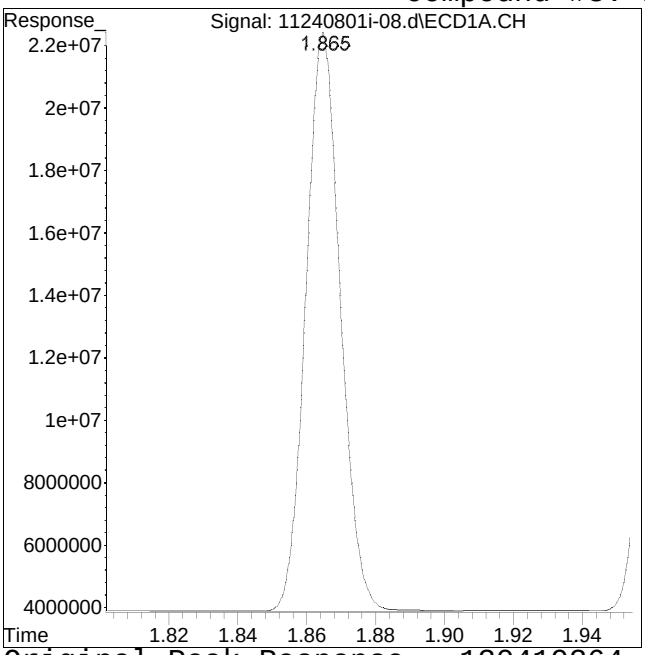
Manual Peak Response = 79326112 M4

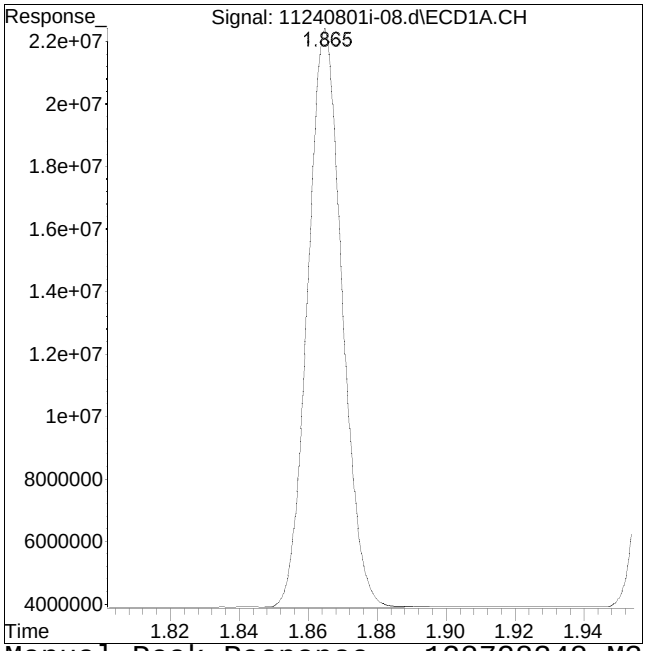
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #3: Hexachlorobenzene





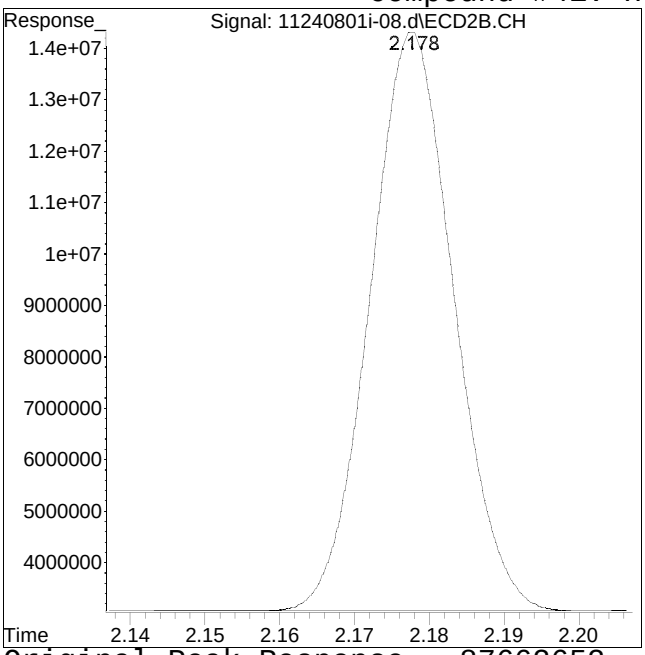
Original Peak Response = 130419364 Manual Peak Response = 128728348 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

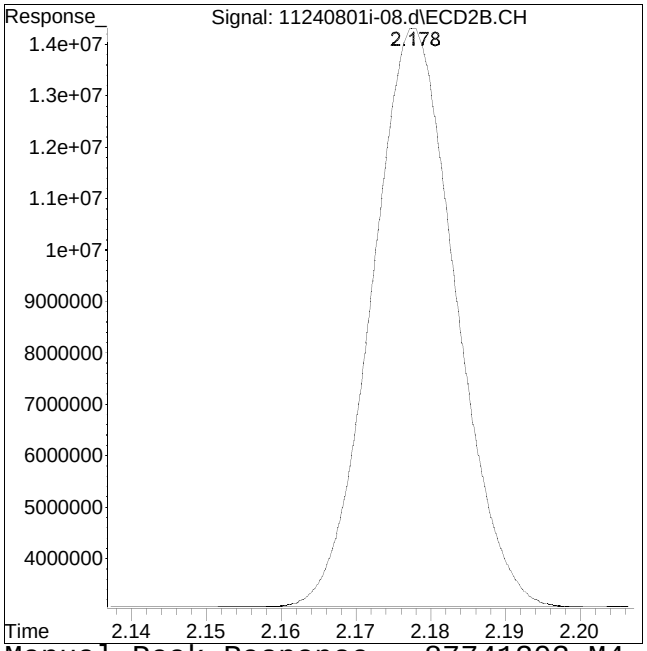
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 87662652



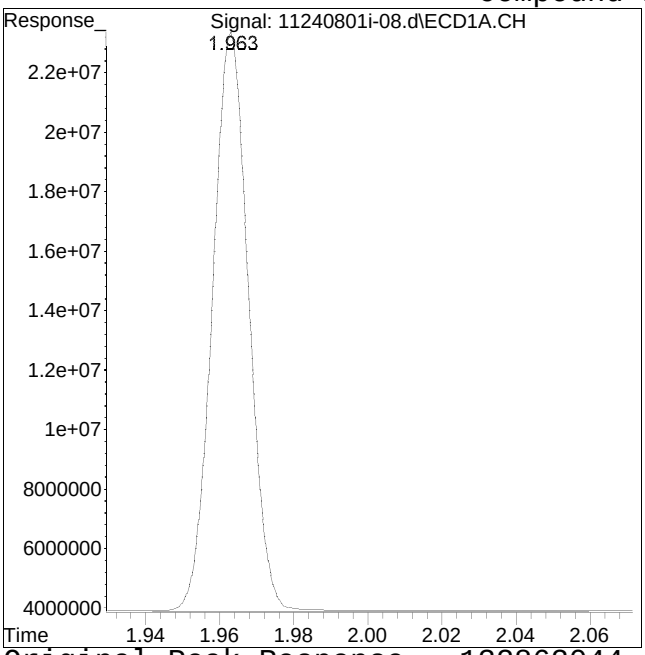
Manual Peak Response = 87741303 M4

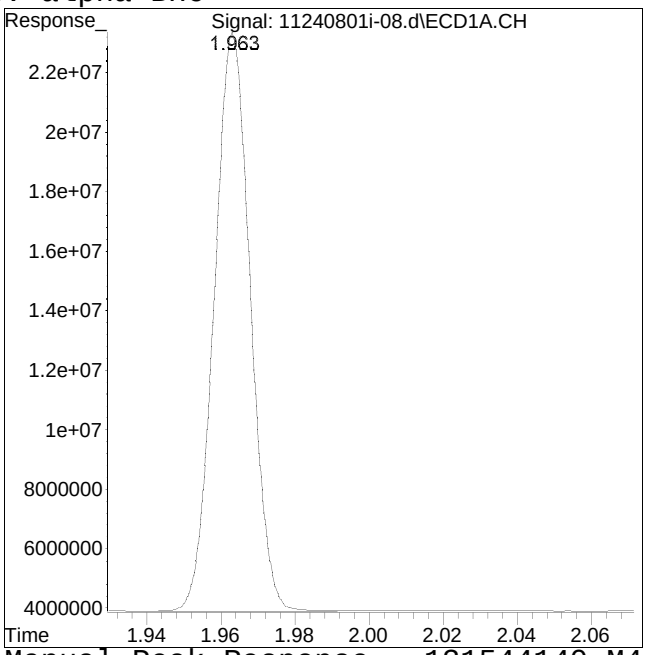
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #4: alpha-BHC





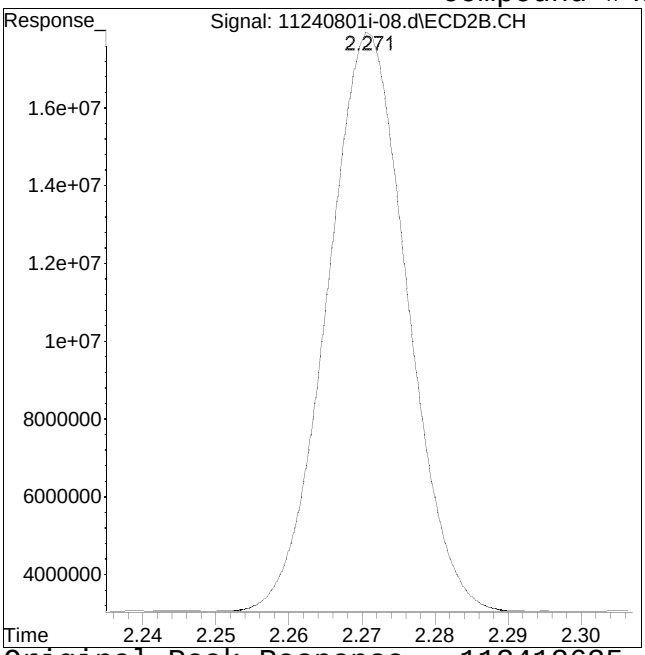
Original Peak Response = 132862044 Manual Peak Response = 131544140 M4
M4 = Poor automated baseline construction.

Manual Integration Report

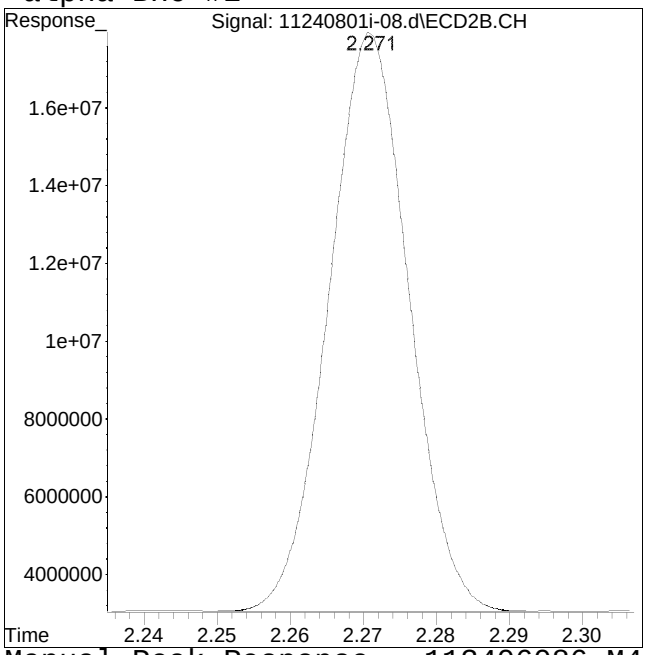
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #42: alpha-BHC #2



Original Peak Response = 113412635



Manual Peak Response = 113406086 M4

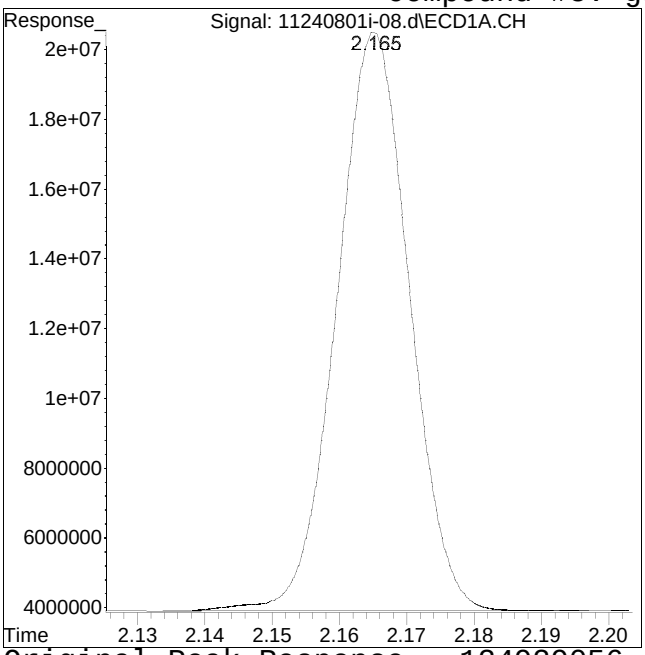
M4 = Poor automated baseline construction.

Manual Integration Report

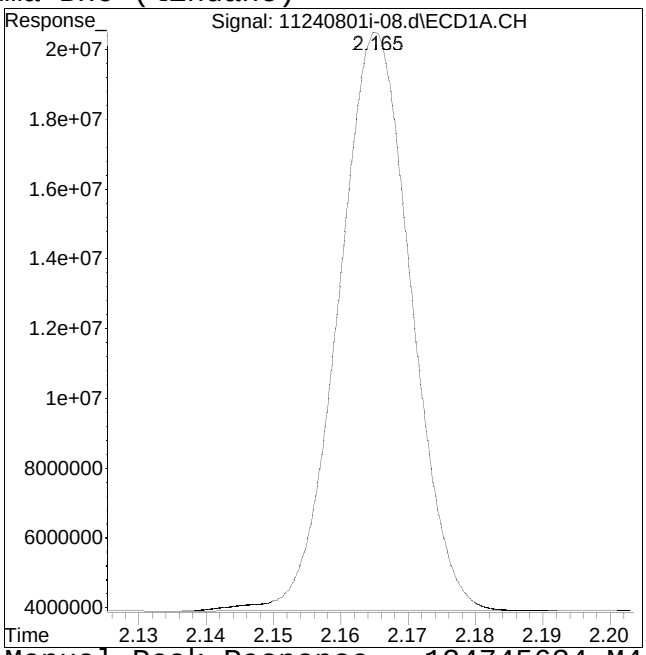
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 124929056



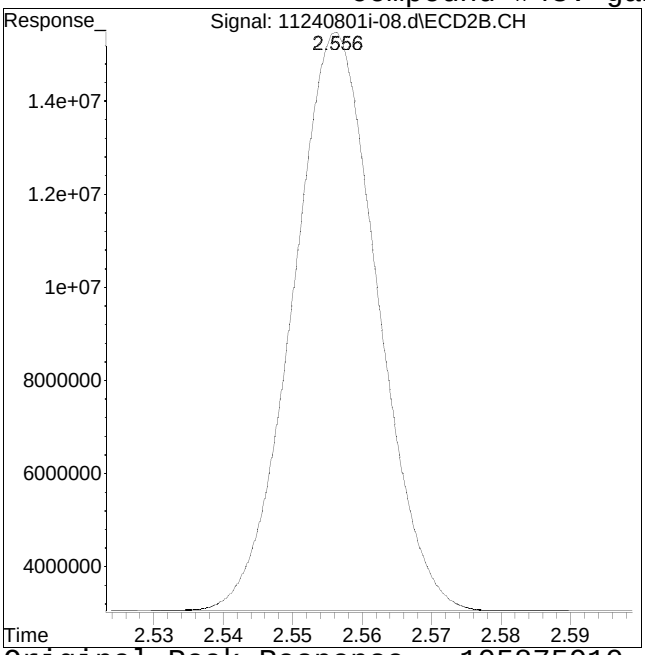
Manual Peak Response = 124745634 M4

M4 = Poor automated baseline construction.

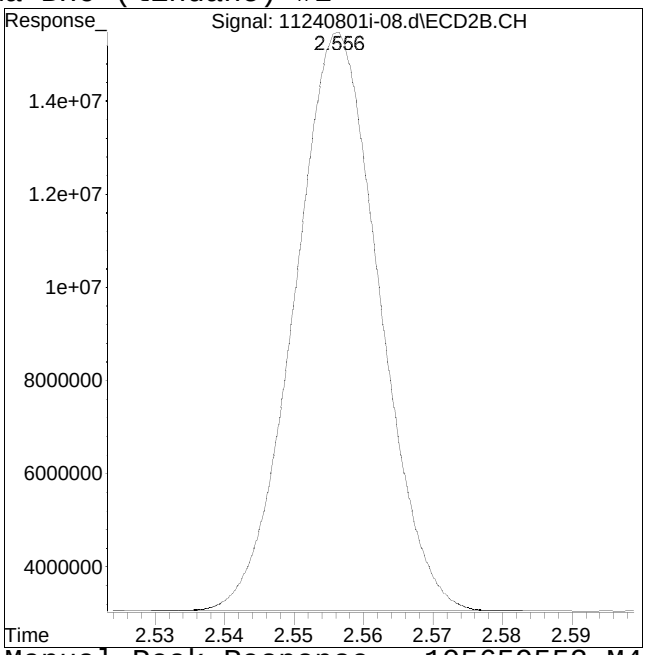
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 105875910



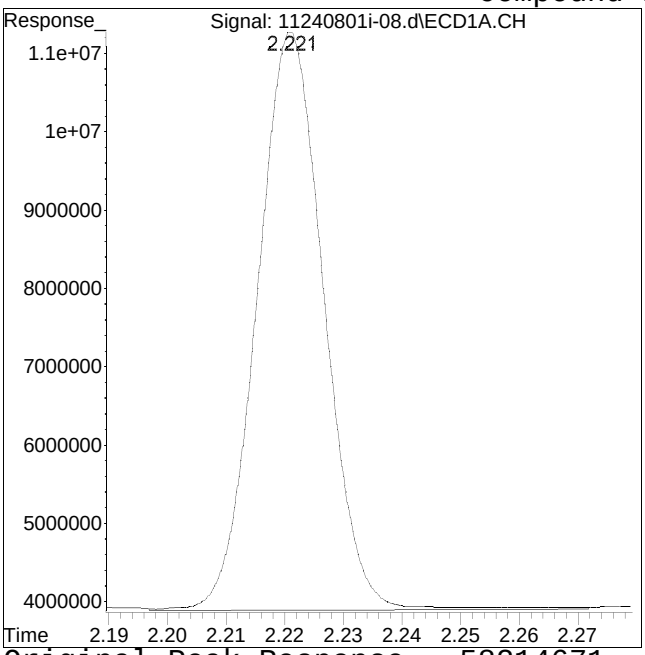
Manual Peak Response = 105659552 M4

M4 = Poor automated baseline construction.

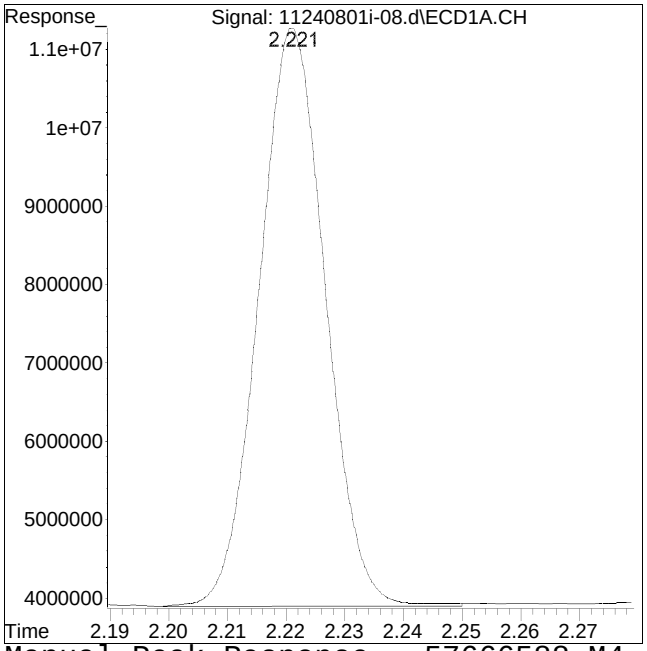
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #6: beta-BHC



Original Peak Response = 58214671



Manual Peak Response = 57666588 M4

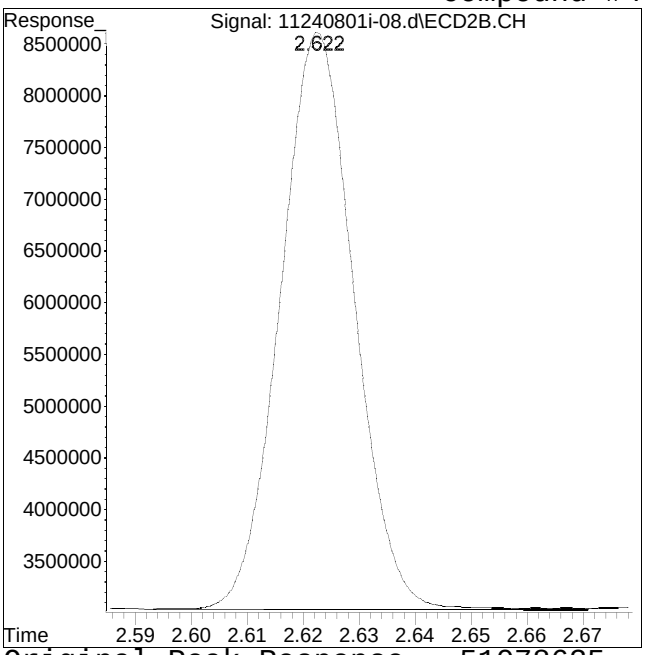
M4 = Poor automated baseline construction.

Manual Integration Report

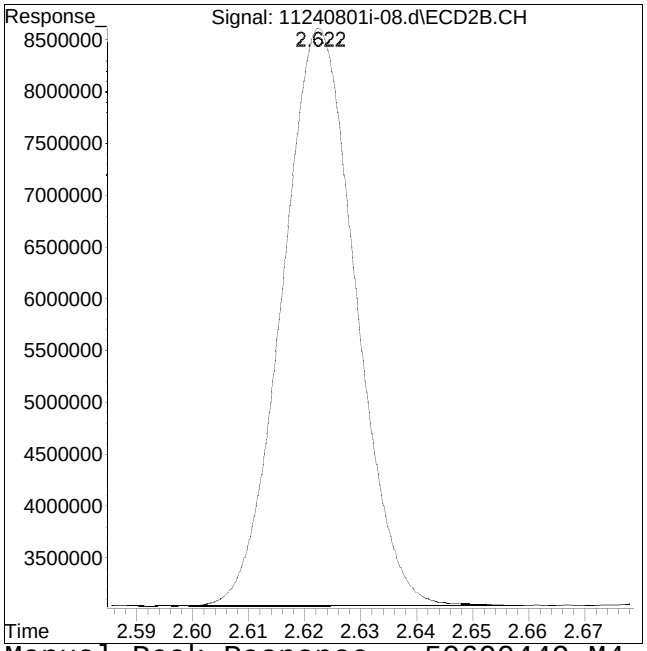
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #44: beta-BHC #2



Original Peak Response = 51078635



Manual Peak Response = 50690449 M4

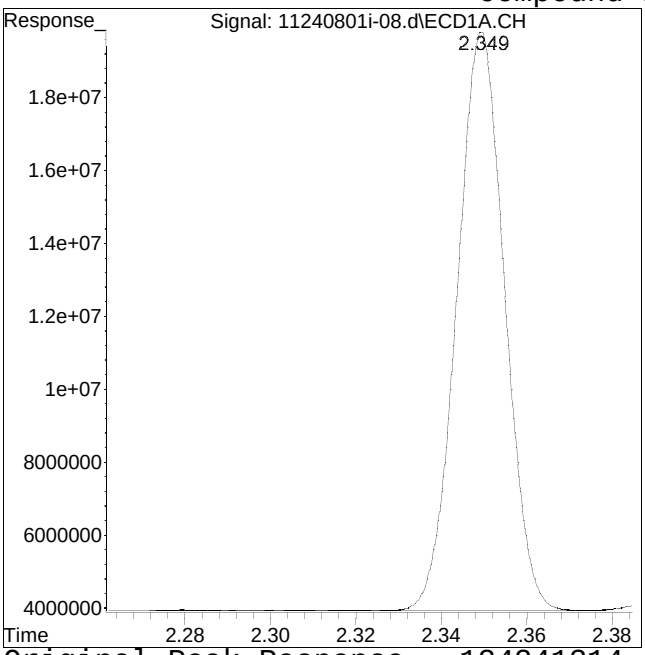
M4 = Poor automated baseline construction.

Manual Integration Report

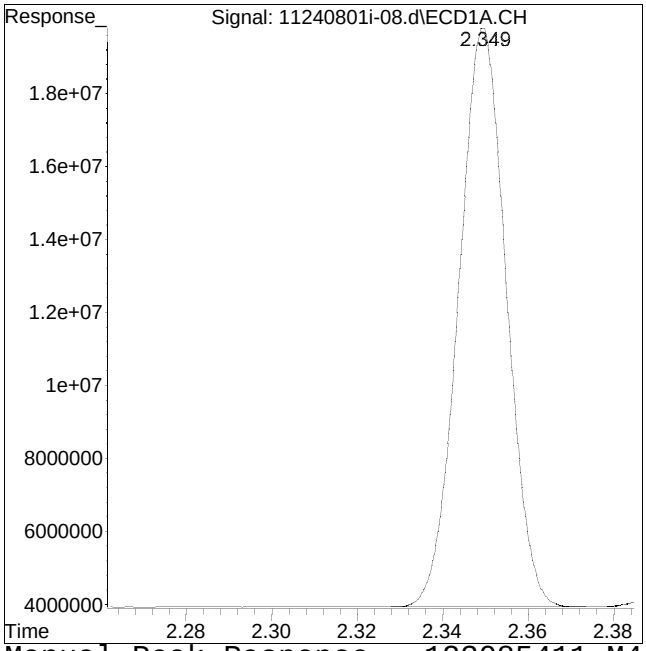
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #7: delta-BHC



Original Peak Response = 124241314



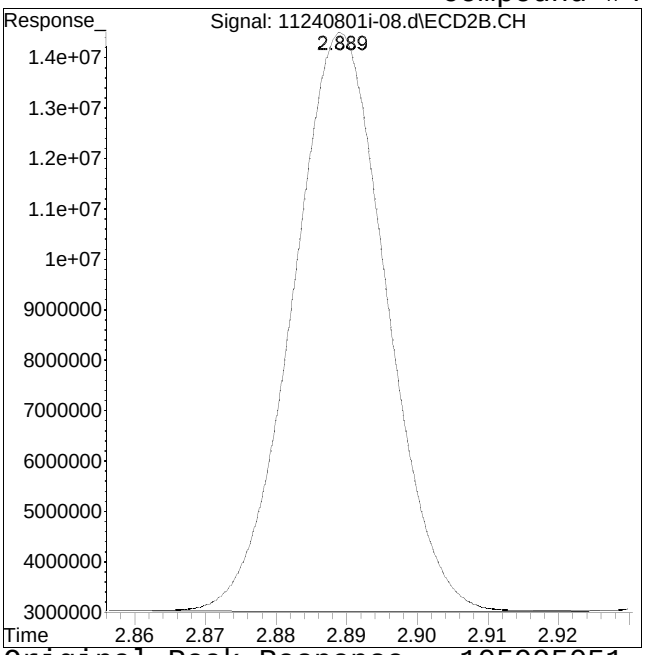
Manual Peak Response = 123085411 M4

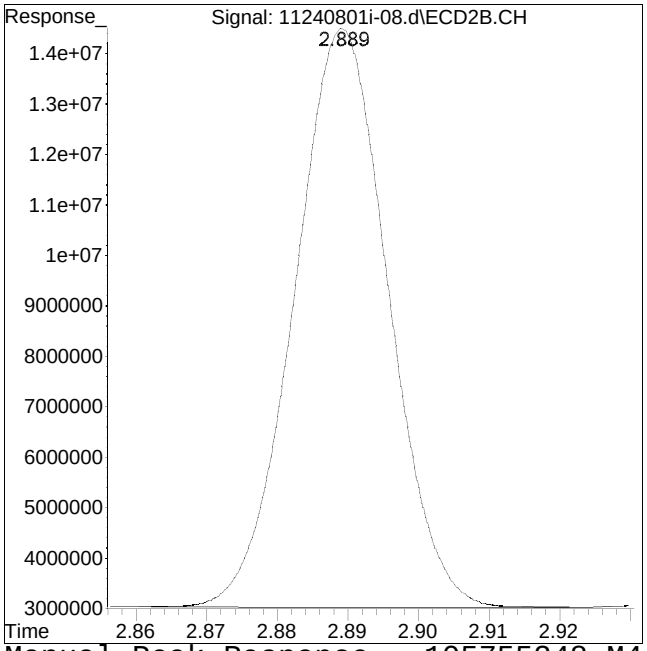
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #45: delta-BHC #2



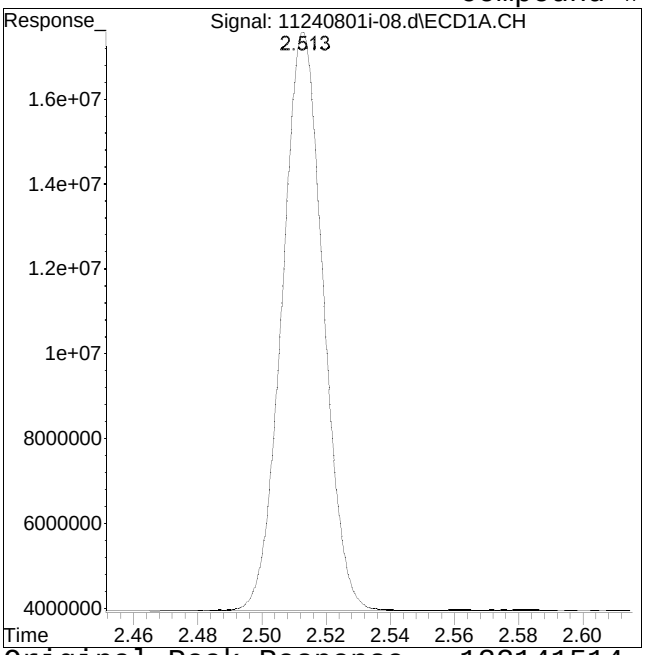


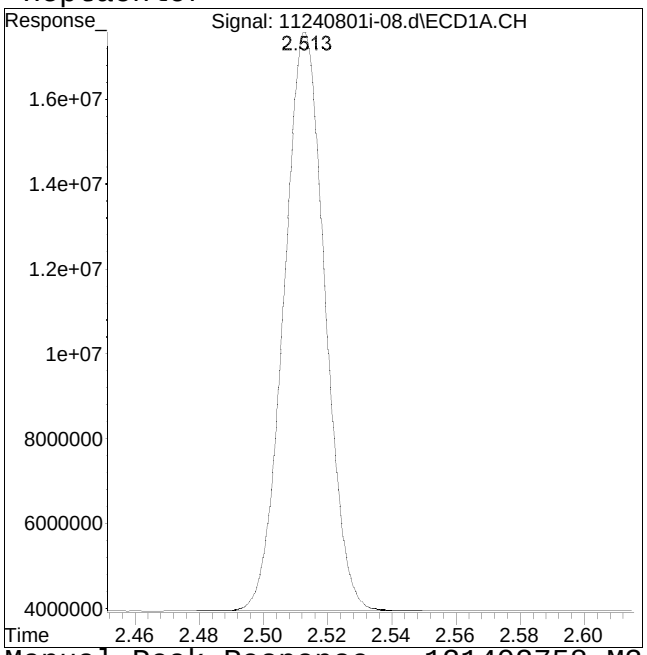
Original Peak Response = 105995051 Manual Peak Response = 105755248 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #8: Heptachlor



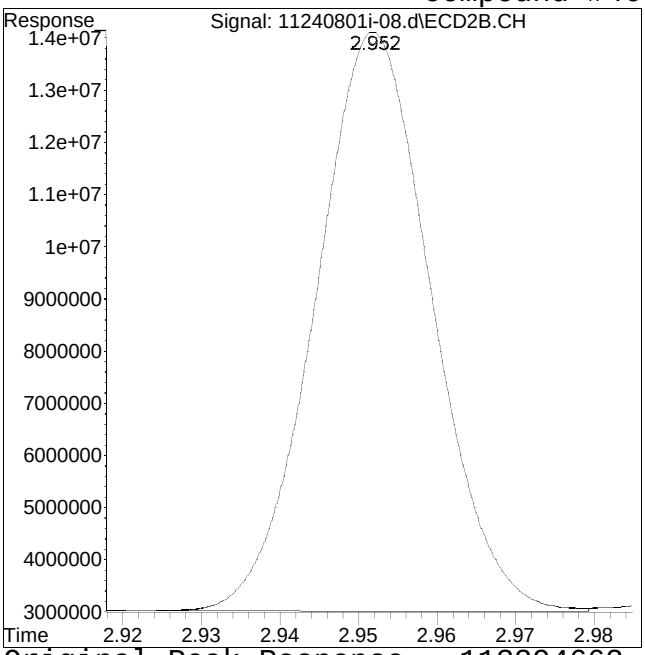


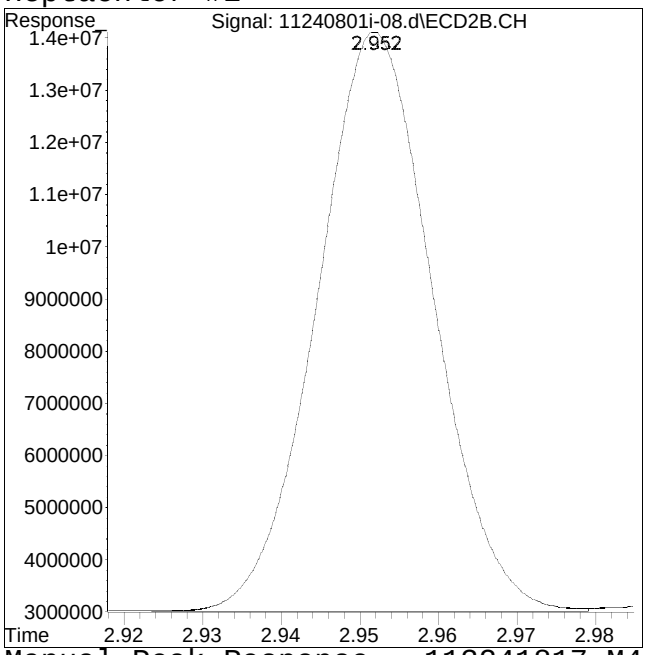
Original Peak Response = 122141514 Manual Peak Response = 121402758 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #46: Heptachlor #2





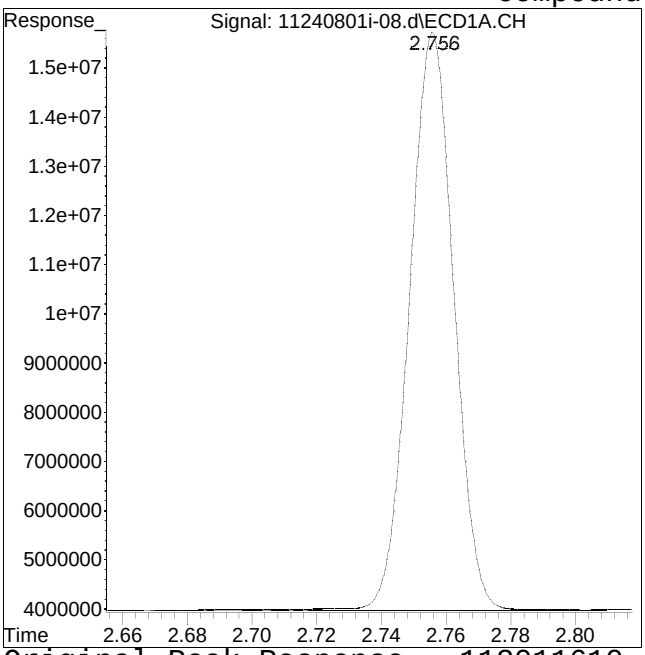
Original Peak Response = 113394662 Manual Peak Response = 113241817 M4
M4 = Poor automated baseline construction.

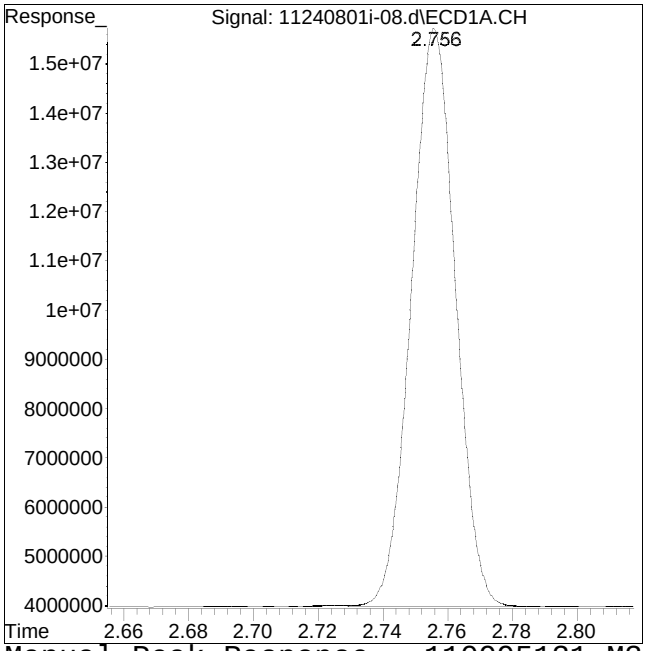
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #9: Aldrin





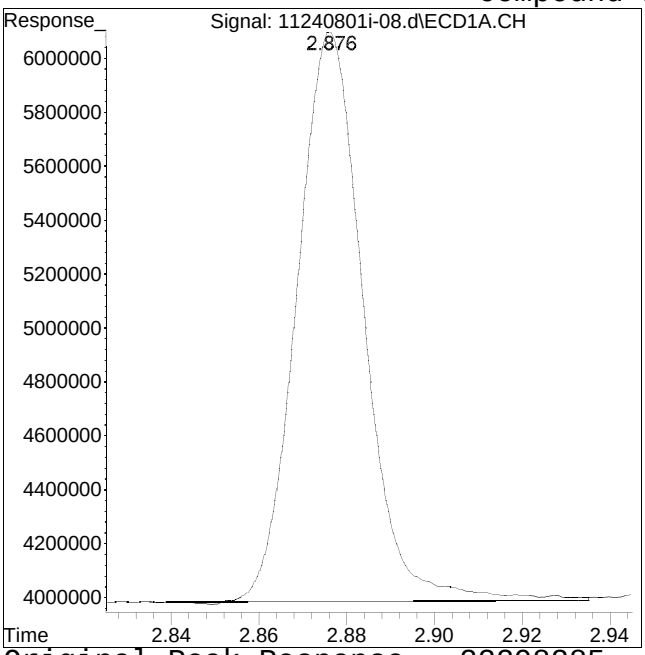
Original Peak Response = 112011610 Manual Peak Response = 110995131 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

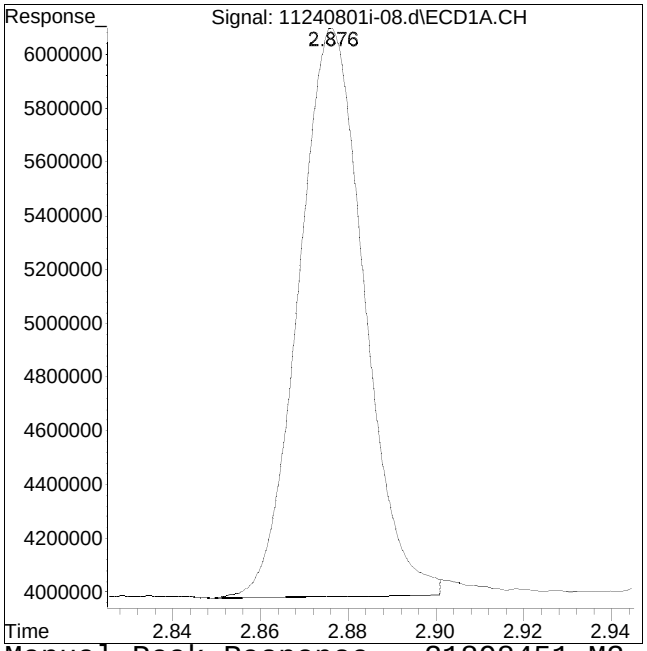
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #10: Alachlor



Original Peak Response = 22298285



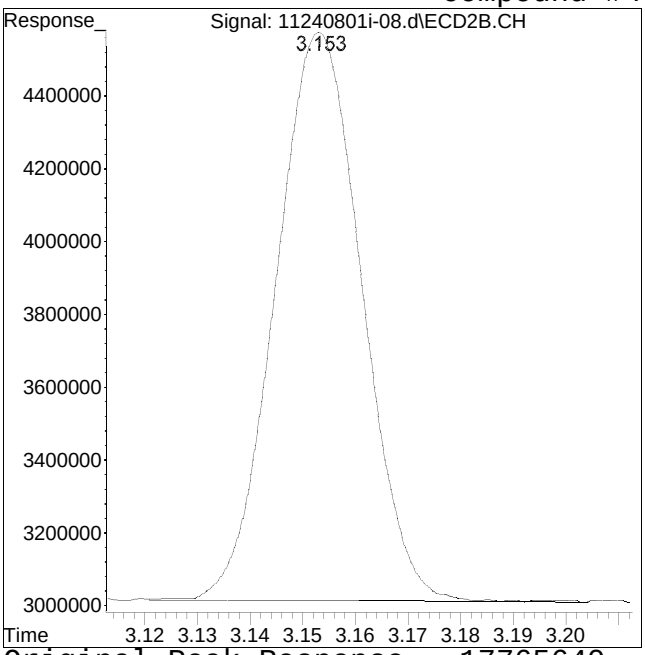
Manual Peak Response = 21898451 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

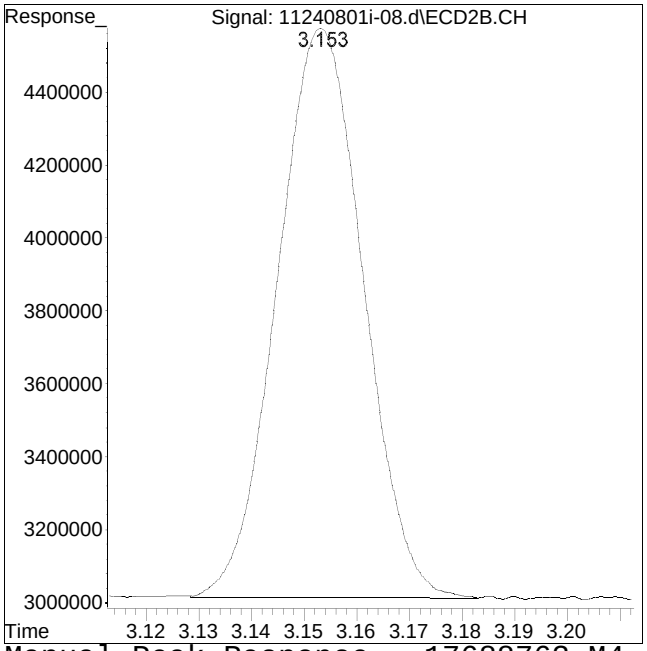
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #48: Alachlor #2



Original Peak Response = 17765640



Manual Peak Response = 17688763 M4

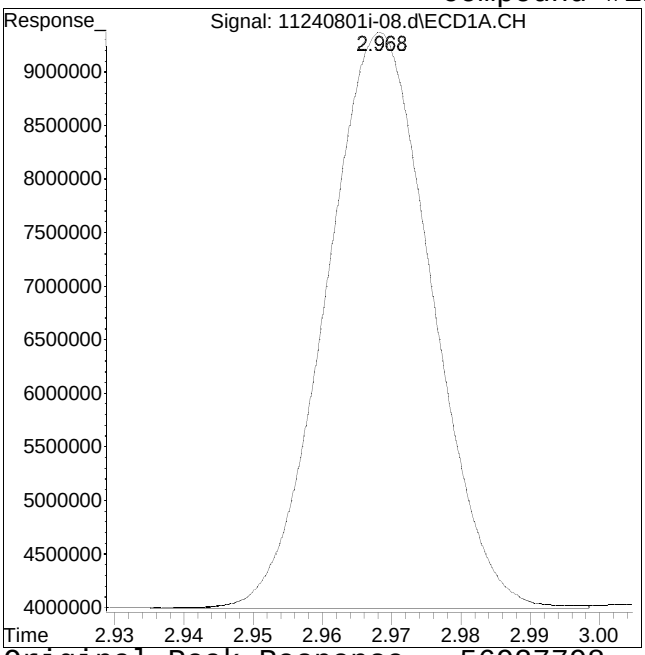
M4 = Poor automated baseline construction.

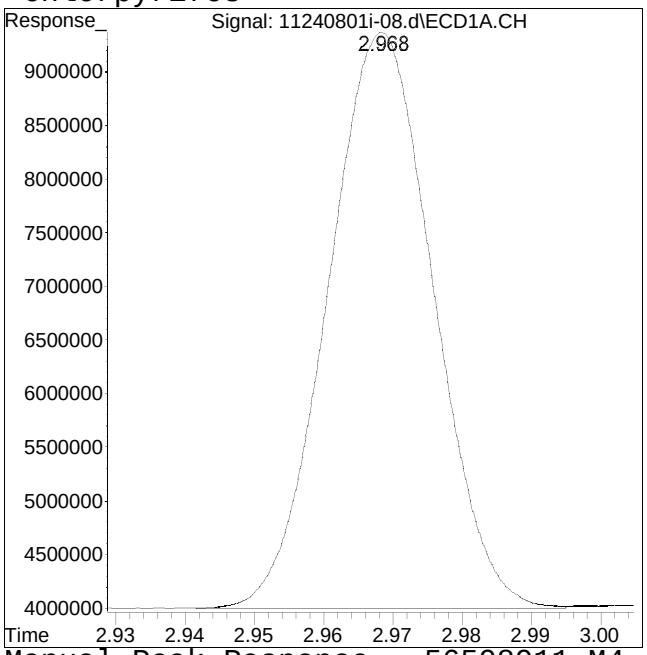
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #11: Chlorpyrifos



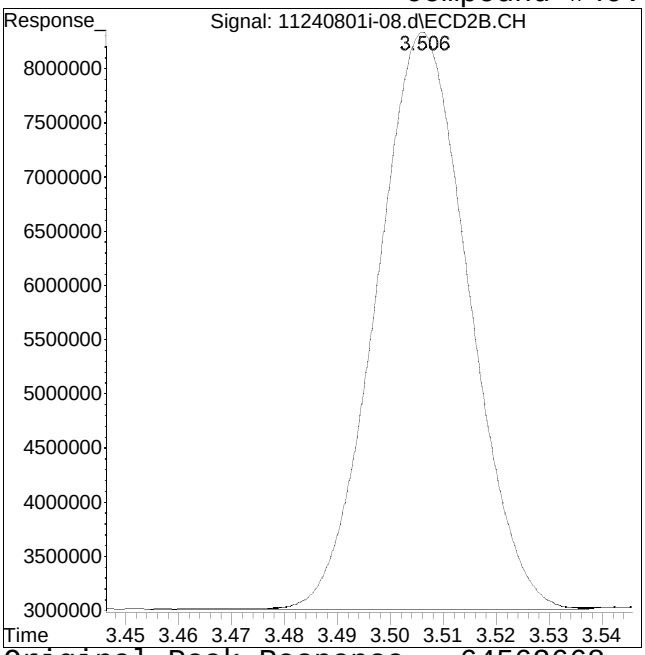


Original Peak Response = 56927798 Manual Peak Response = 56598911 M4
M4 = Poor automated baseline construction.

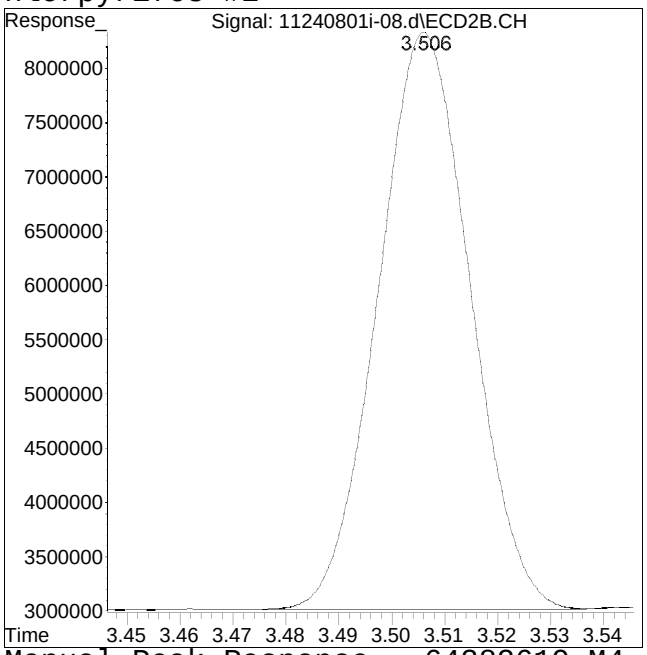
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 64562668



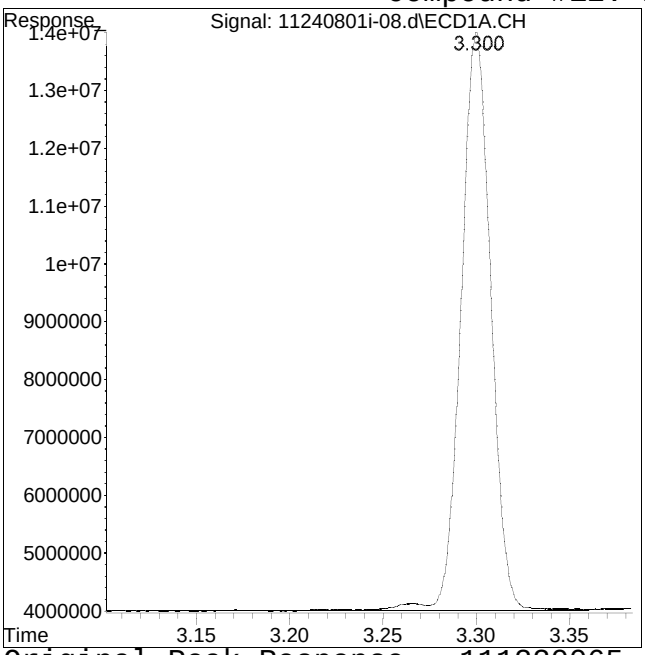
Manual Peak Response = 64282619 M4

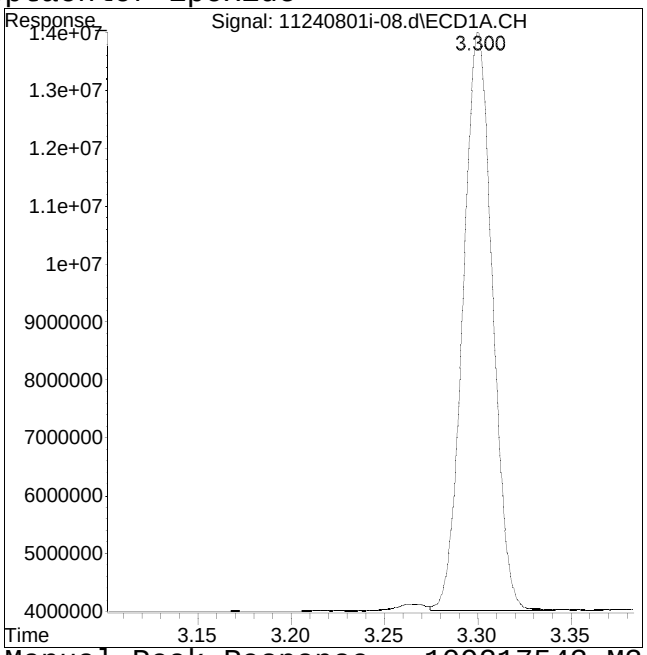
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #12: Heptachlor Epoxide



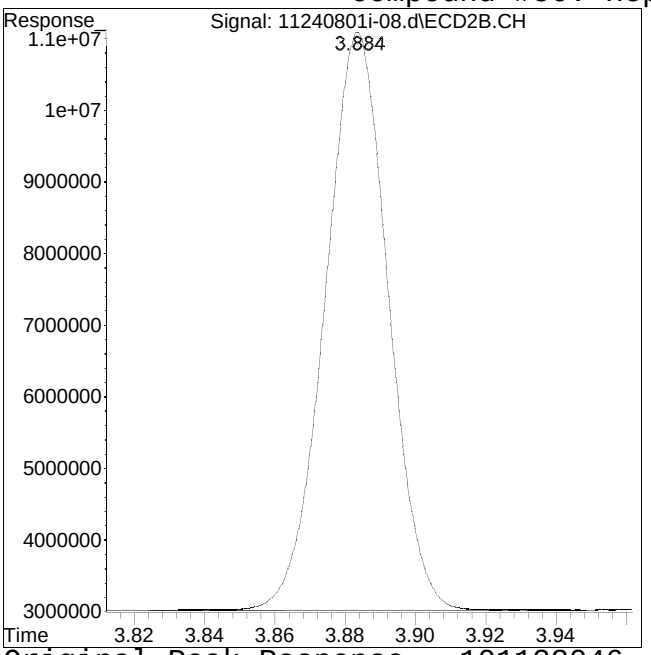


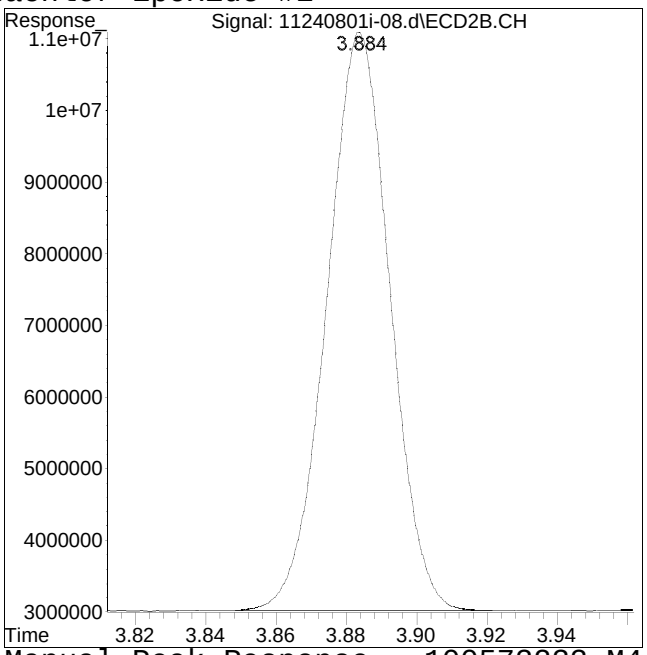
Original Peak Response = 111220065 Manual Peak Response = 109217543 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #50: Heptachlor Epoxide #2





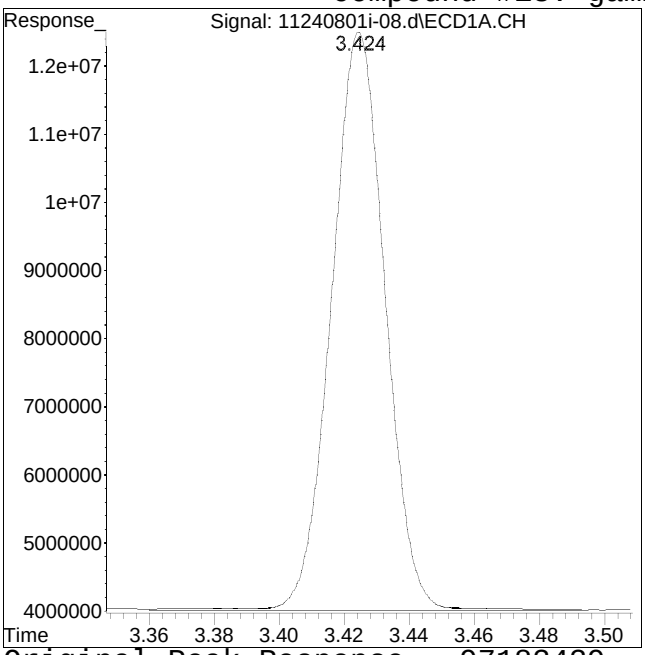
Original Peak Response = 101122046 Manual Peak Response = 100573233 M4
M4 = Poor automated baseline construction.

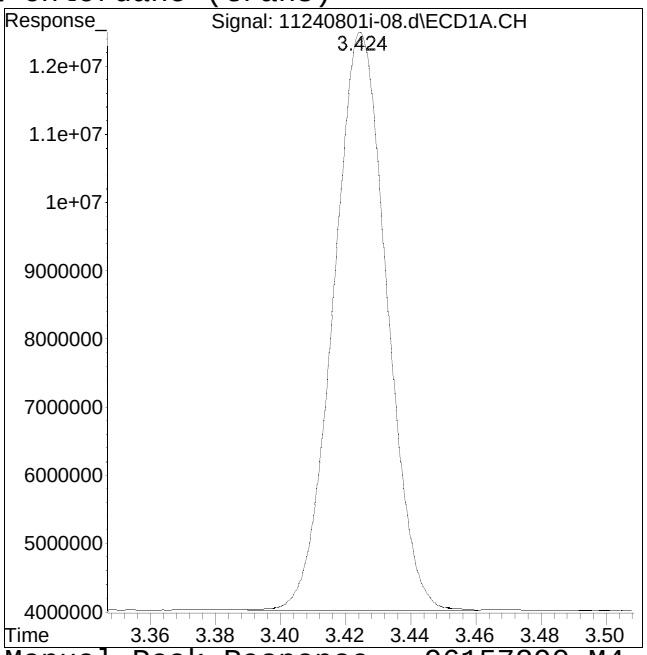
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #13: gamma-Chlordane (trans)



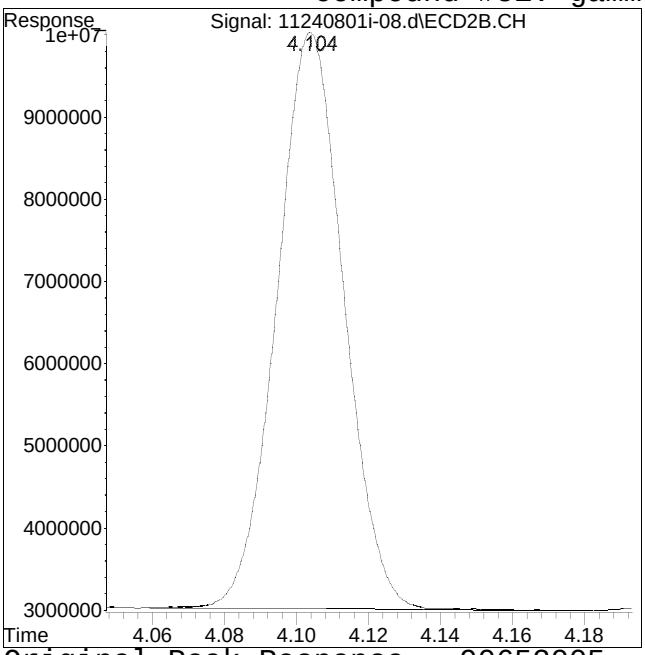


Original Peak Response = 97183439 Manual Peak Response = 96157290 M4
M4 = Poor automated baseline construction.

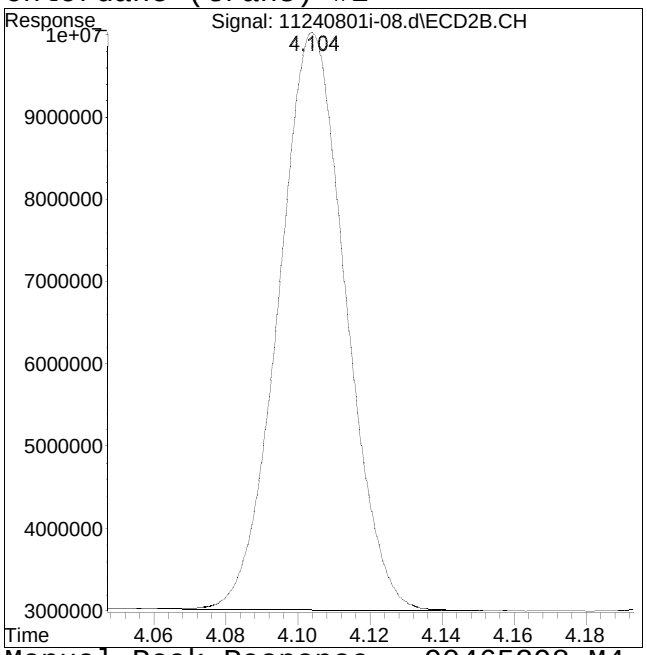
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 90652005



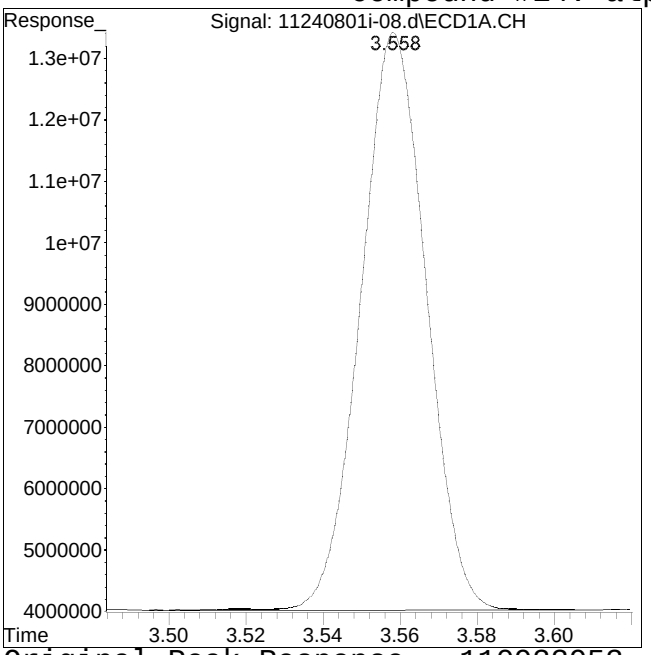
Manual Peak Response = 90465298 M4

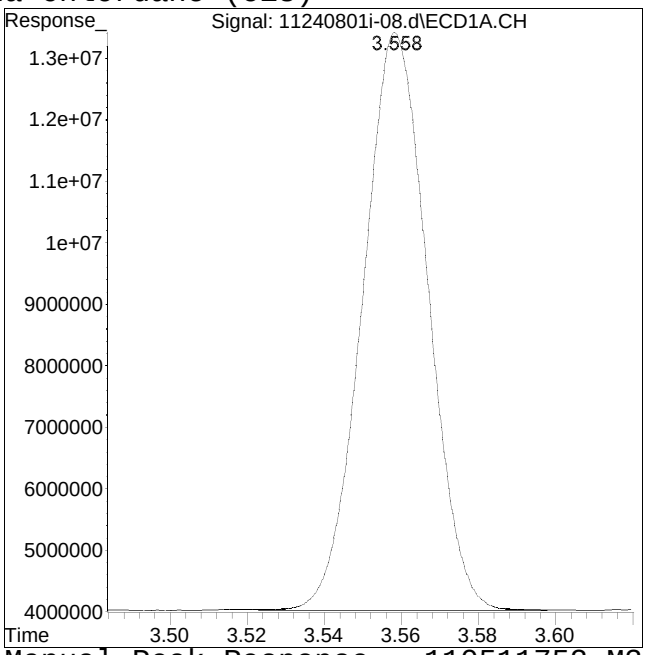
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #14: alpha-Chlordane (cis)





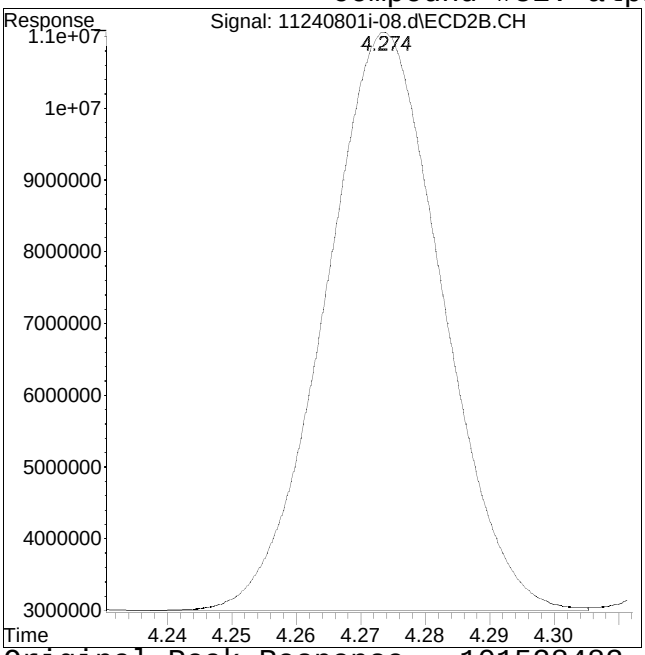
Original Peak Response = 110933953 Manual Peak Response = 110511752 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

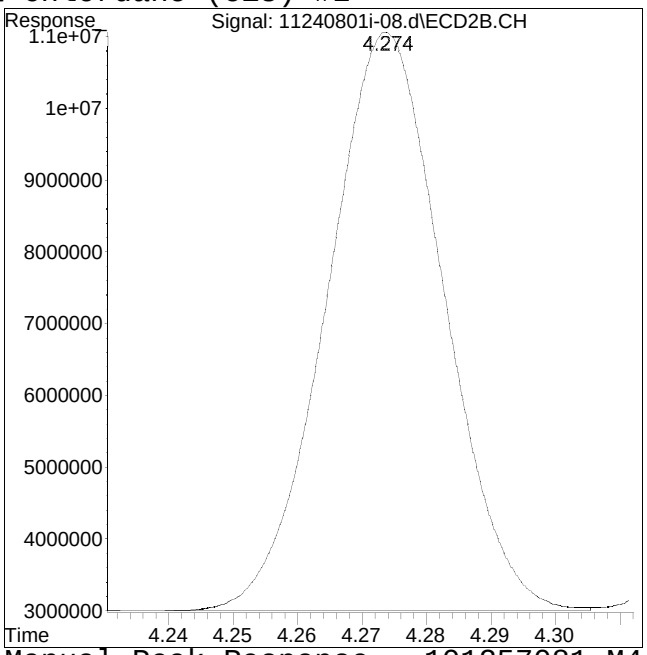
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 101528483



Manual Peak Response = 101257081 M4

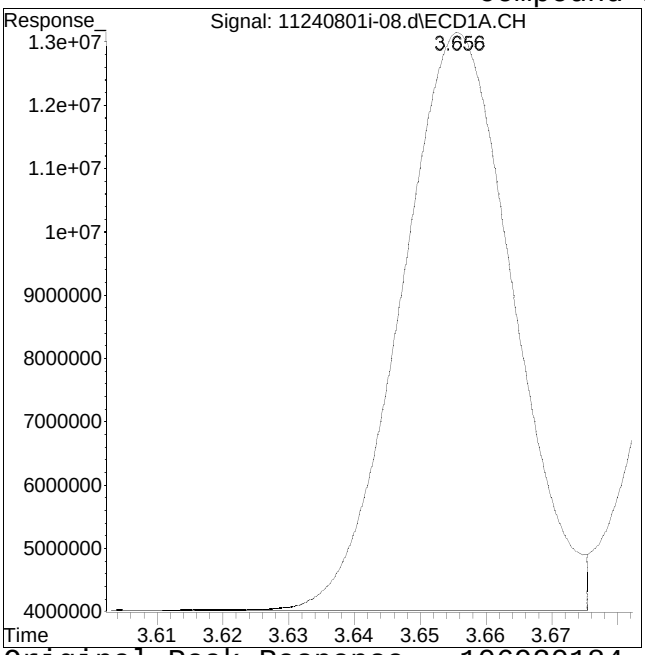
M4 = Poor automated baseline construction.

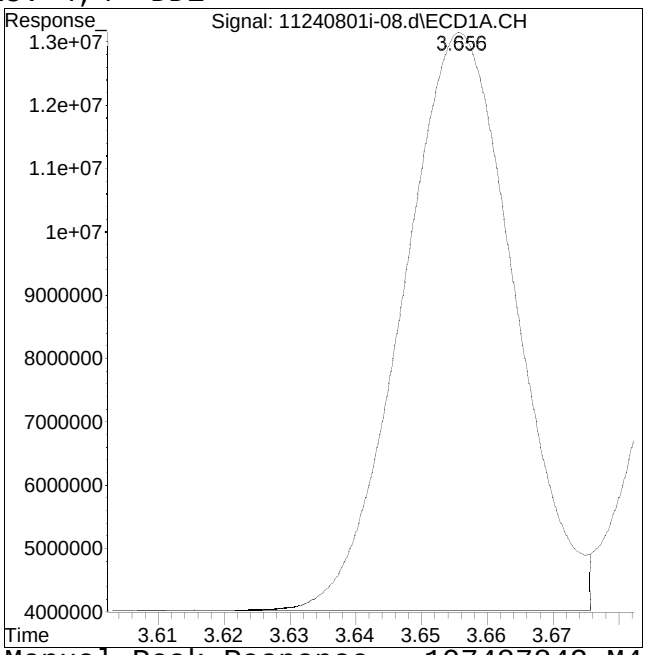
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #15: 4,4'-DDE





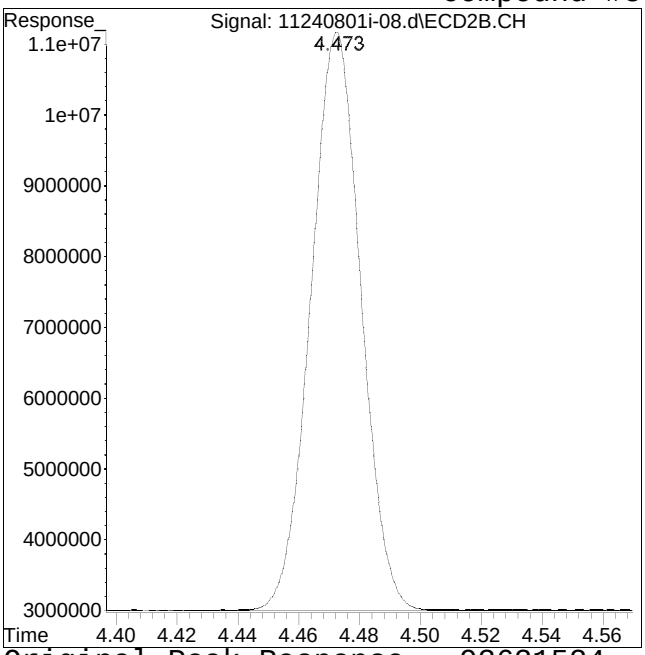
Original Peak Response = 106920184 Manual Peak Response = 107487842 M4
M4 = Poor automated baseline construction.

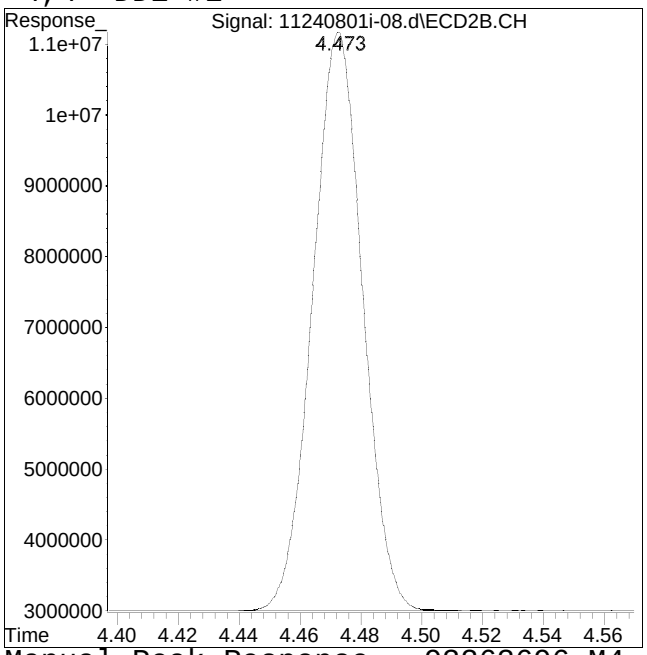
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #53: 4,4'-DDE #2





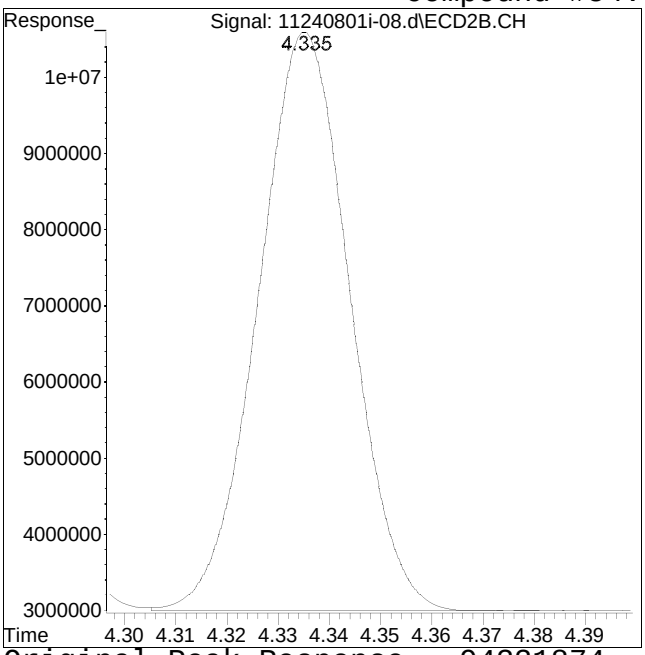
Original Peak Response = 93631524 Manual Peak Response = 93263696 M4
M4 = Poor automated baseline construction.

Manual Integration Report

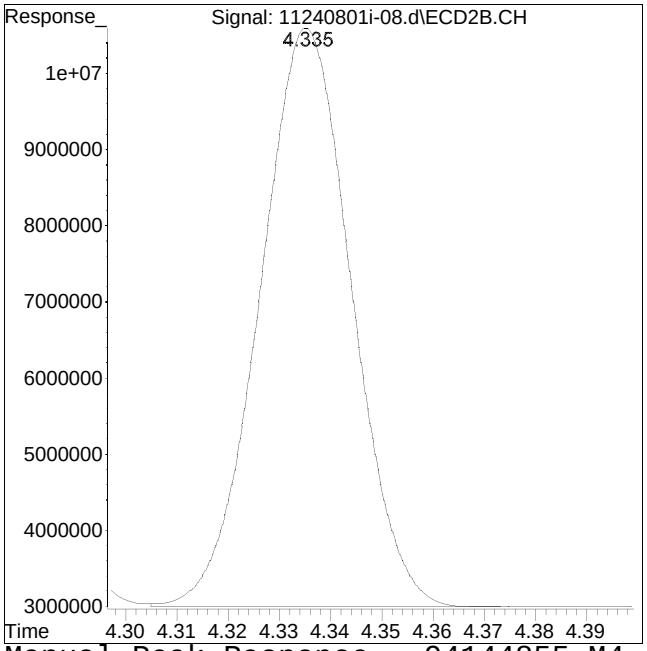
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #54: Endosulfan I #2



Original Peak Response = 94331874



Manual Peak Response = 94144855 M4

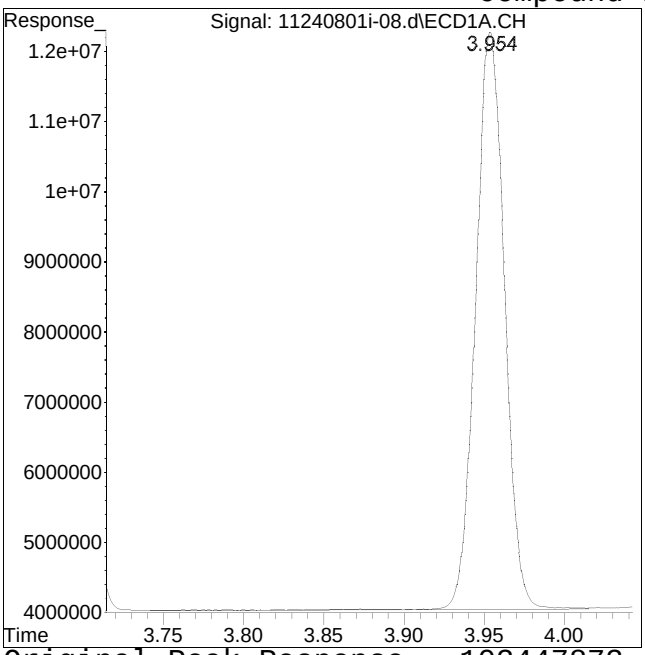
M4 = Poor automated baseline construction.

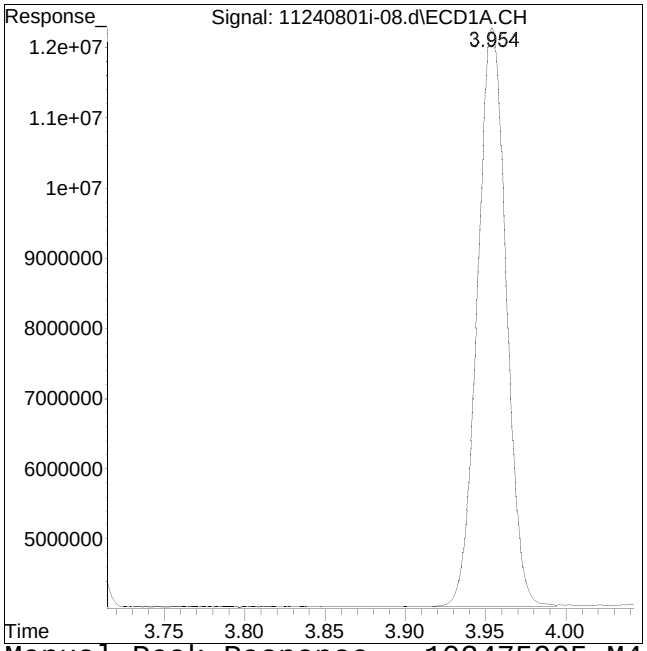
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #17: Dieldrin





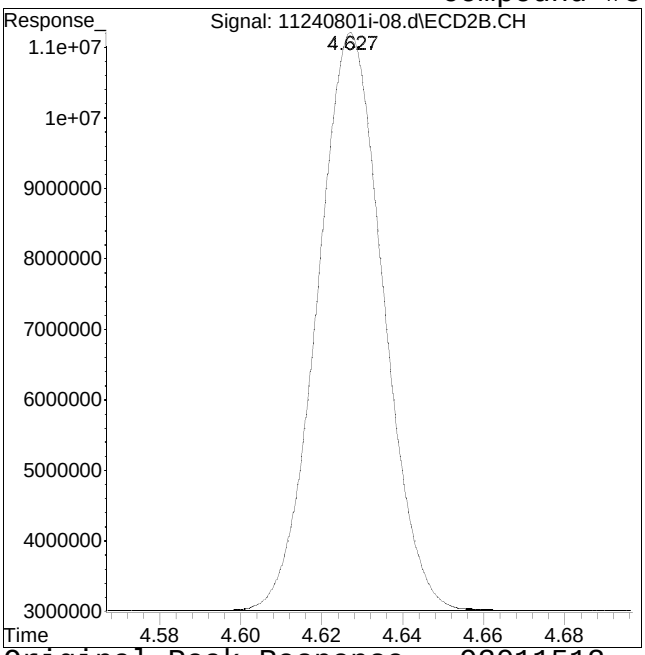
Original Peak Response = 103447873 Manual Peak Response = 102475905 M4
M4 = Poor automated baseline construction.

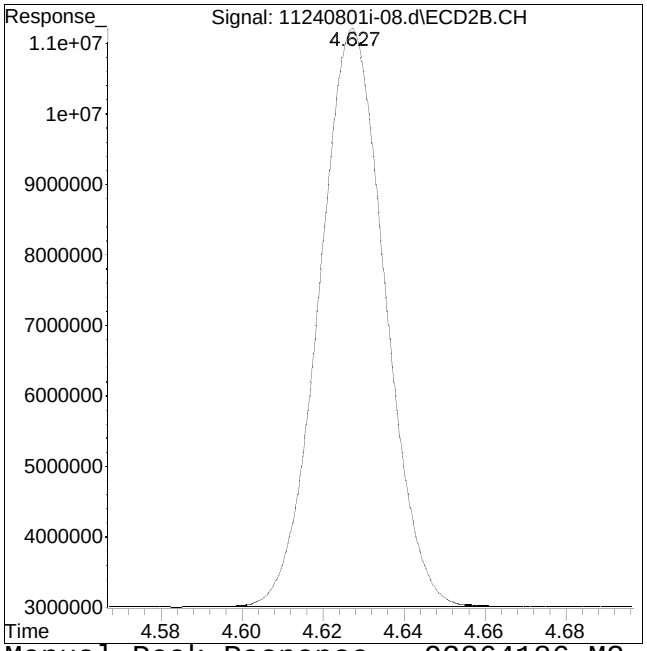
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #55: Dieldrin #2





Original Peak Response = 93011512 Manual Peak Response = 92864186 M3

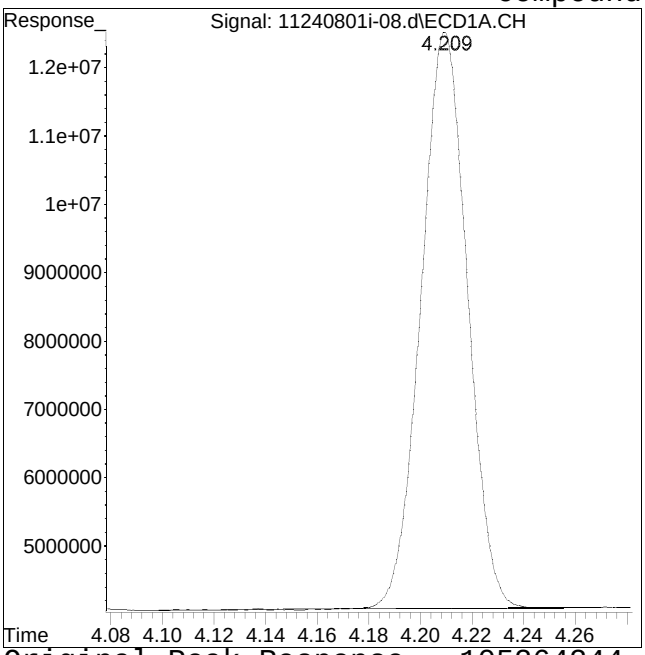
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

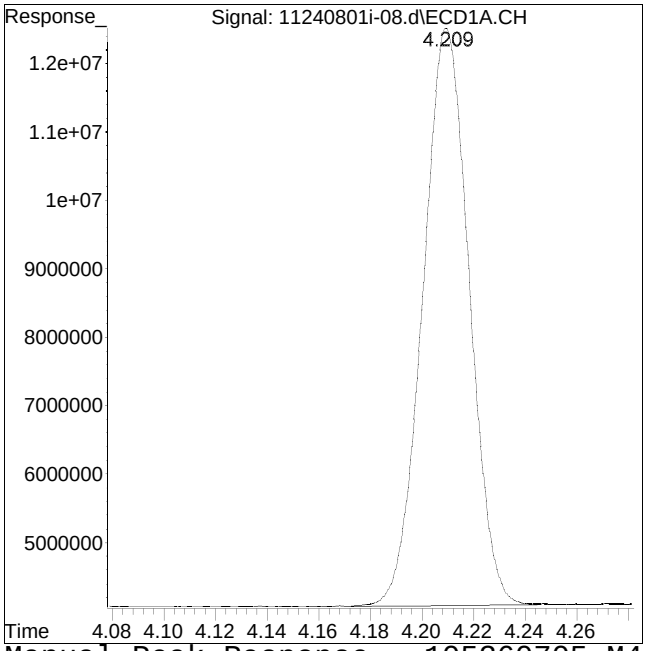
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #18: Endrin



Original Peak Response = 105264244



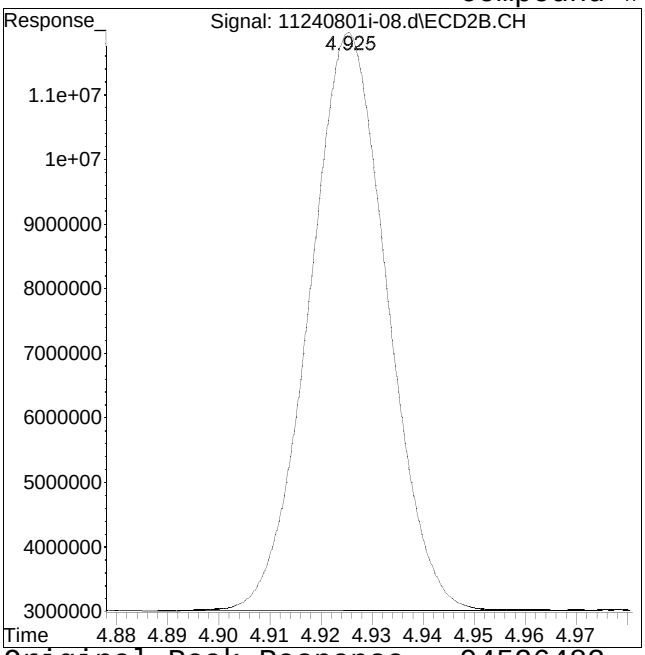
Manual Peak Response = 105360705 M4

M4 = Poor automated baseline construction.

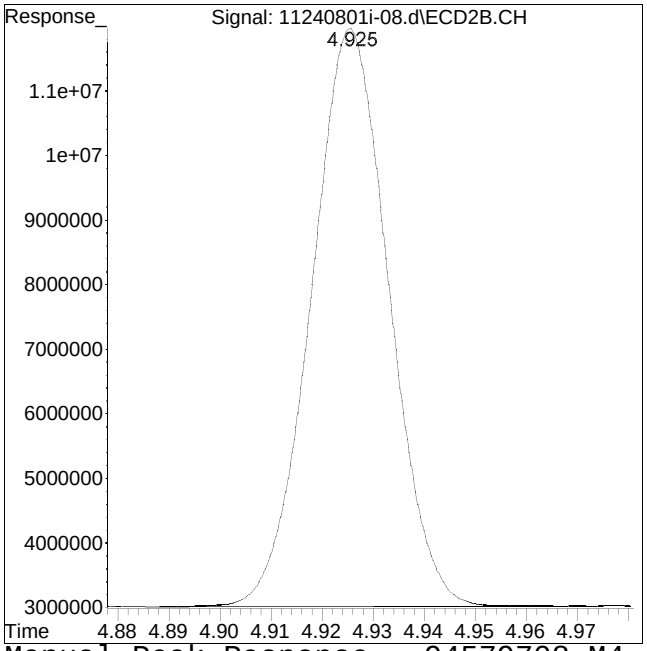
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #56: Endrin #2



Original Peak Response = 94526482



Manual Peak Response = 94579708 M4

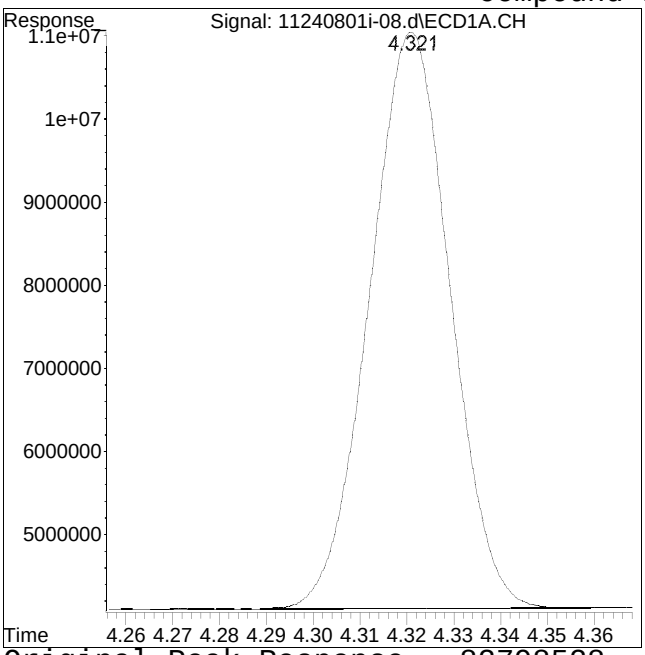
M4 = Poor automated baseline construction.

Manual Integration Report

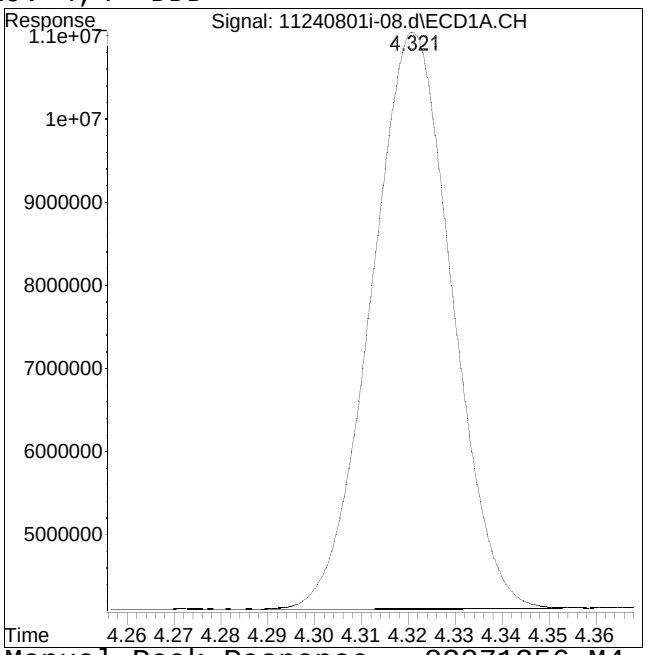
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #19: 4,4'-DDD



Original Peak Response = 82798528



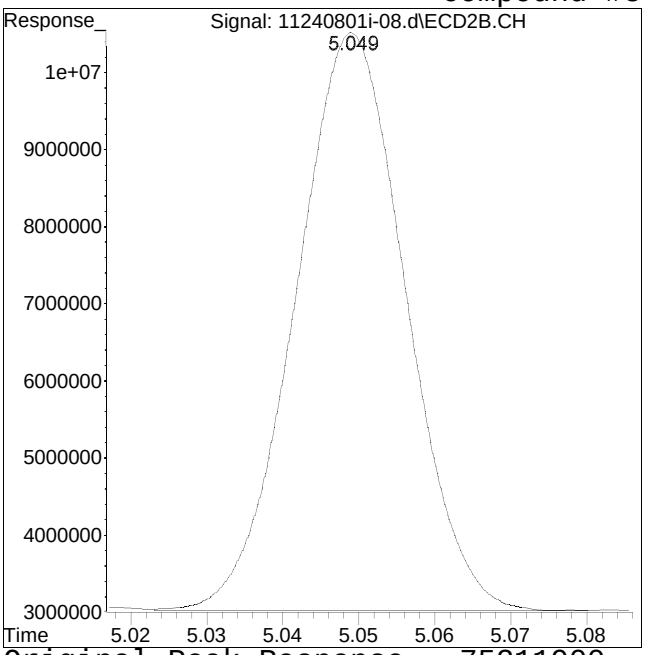
Manual Peak Response = 82871356 M4

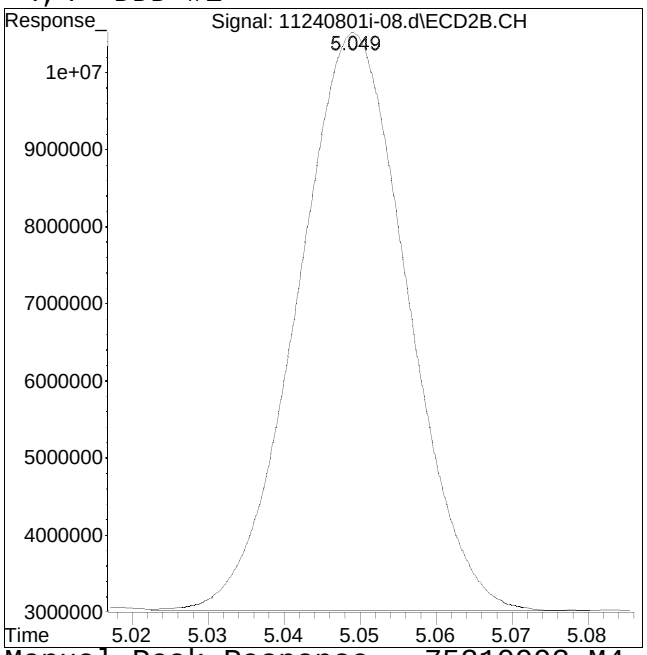
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #57: 4,4'-DDD #2





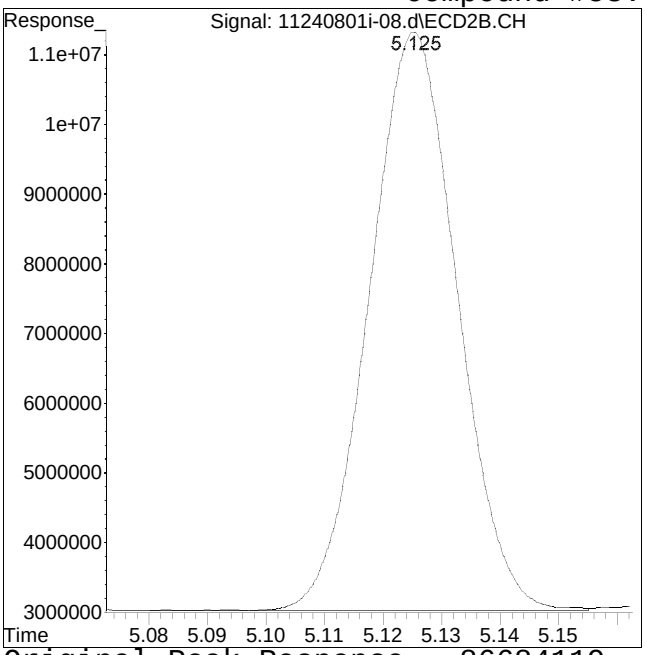
Original Peak Response = 75211900 Manual Peak Response = 75210993 M4
M4 = Poor automated baseline construction.

Manual Integration Report

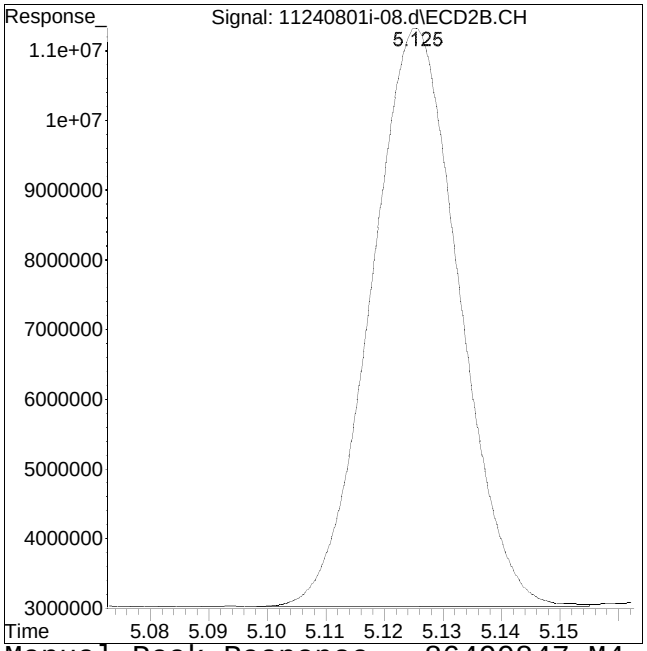
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #58: Endosulfan II #2



Original Peak Response = 86684119



Manual Peak Response = 86490847 M4

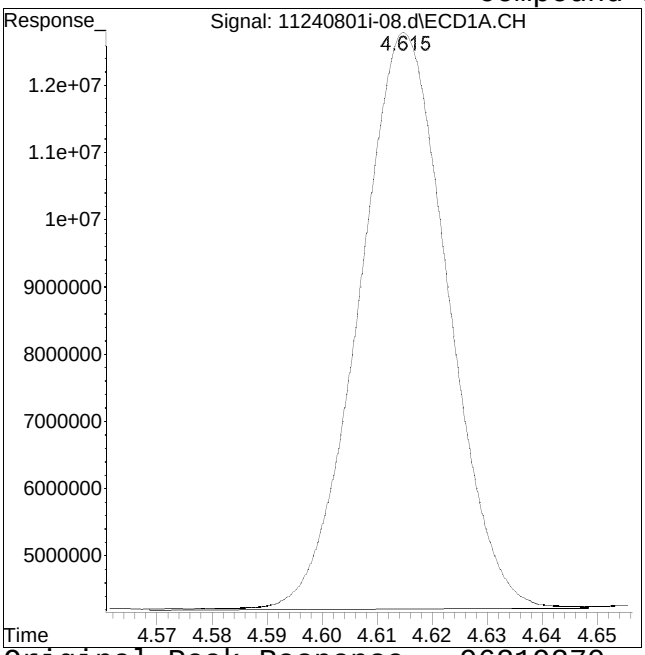
M4 = Poor automated baseline construction.

Manual Integration Report

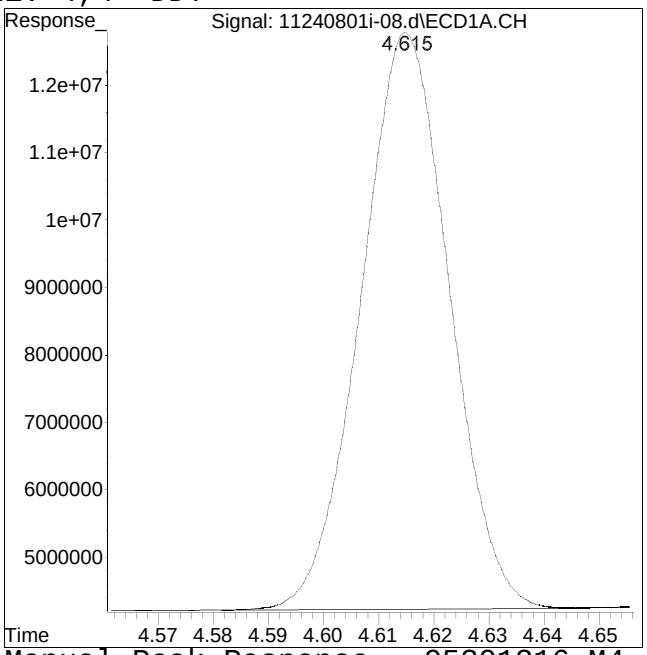
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #21: 4,4'-DDT



Original Peak Response = 96219270



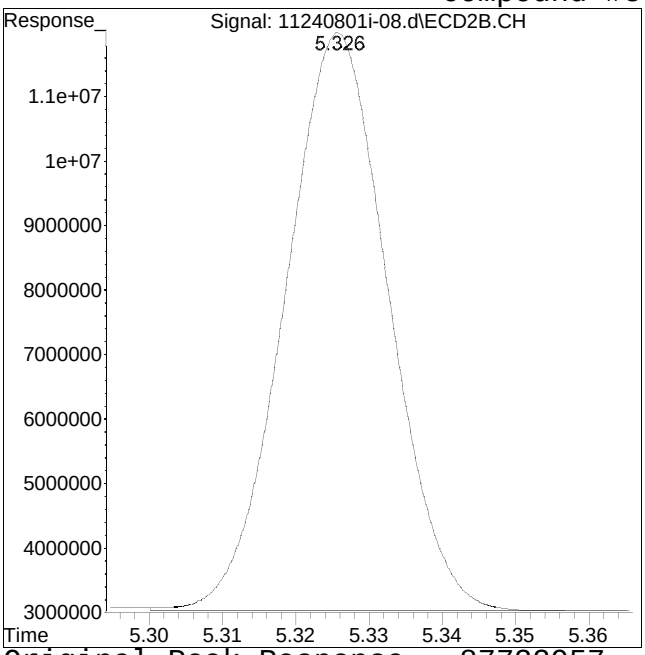
Manual Peak Response = 95391216 M4

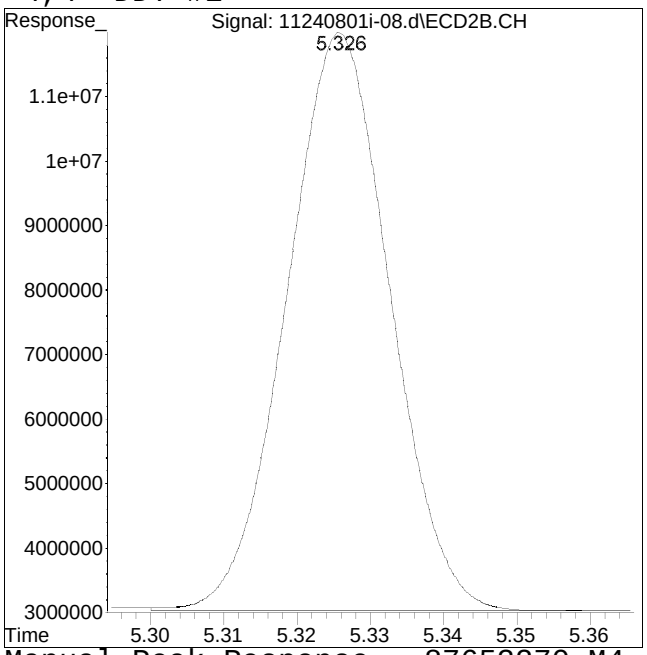
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #59: 4,4'-DDT #2



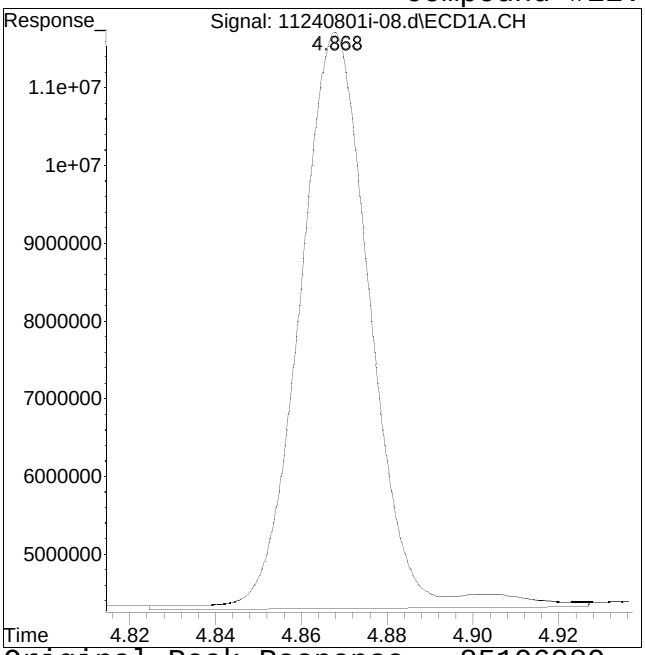


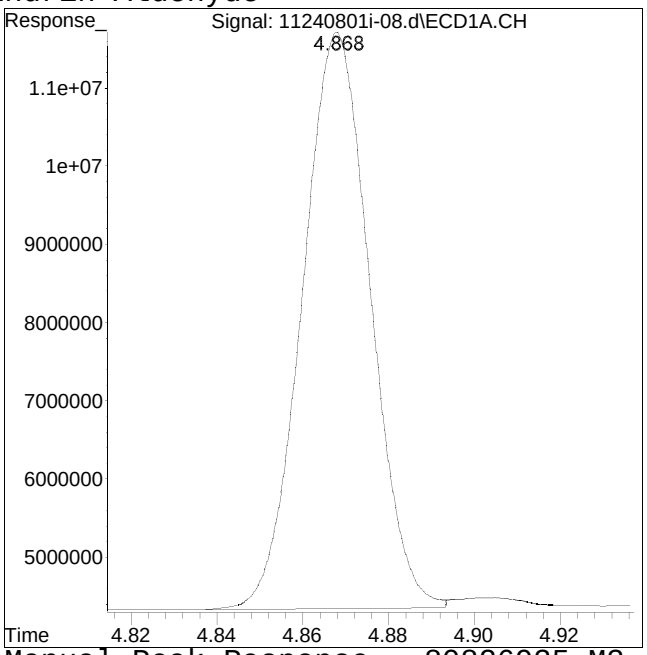
Original Peak Response = 87732957 Manual Peak Response = 87653270 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #22: Endrin Aldehyde



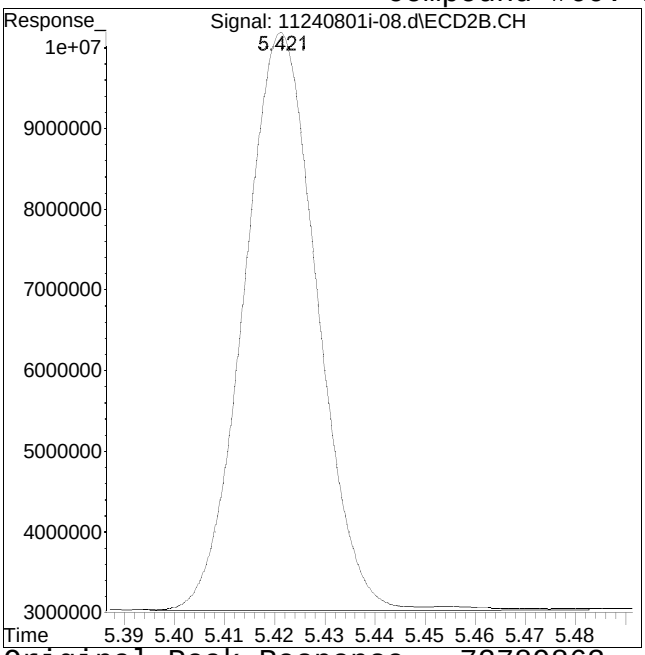


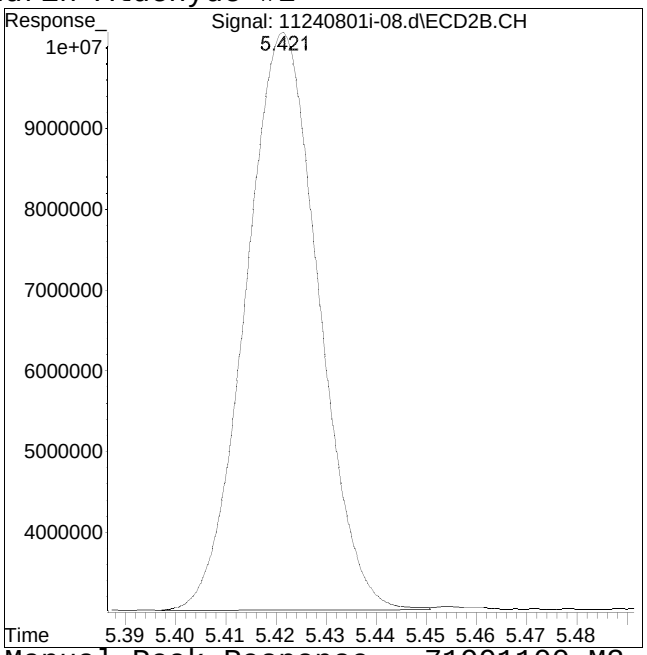
Original Peak Response = 85106980 Manual Peak Response = 80826935 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 72789863 Manual Peak Response = 71991100 M3

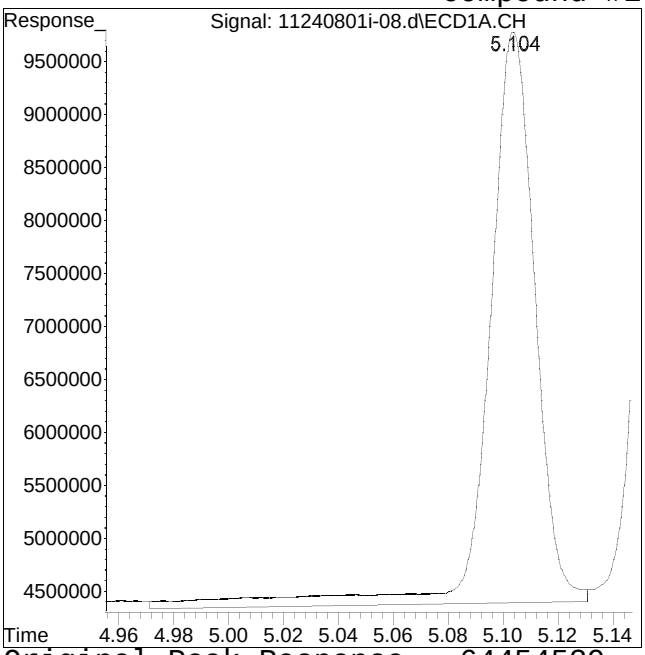
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

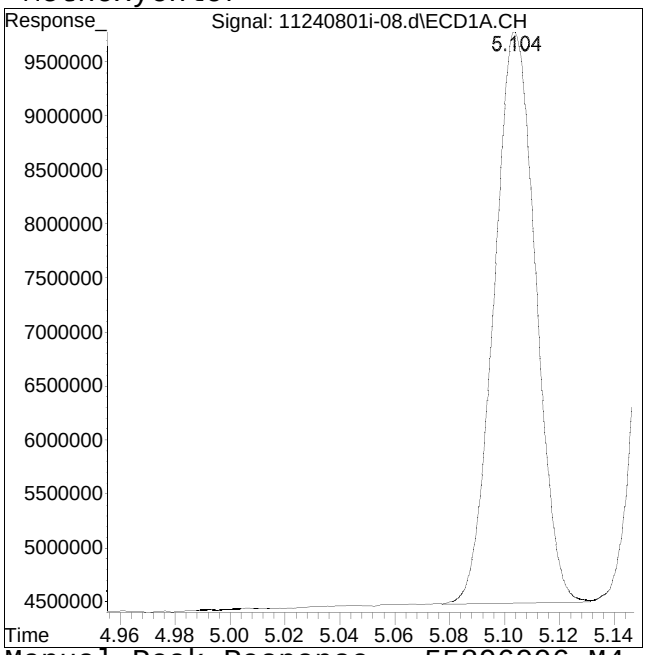
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #23: Methoxychlor



Original Peak Response = 64454539



Manual Peak Response = 55896006 M4

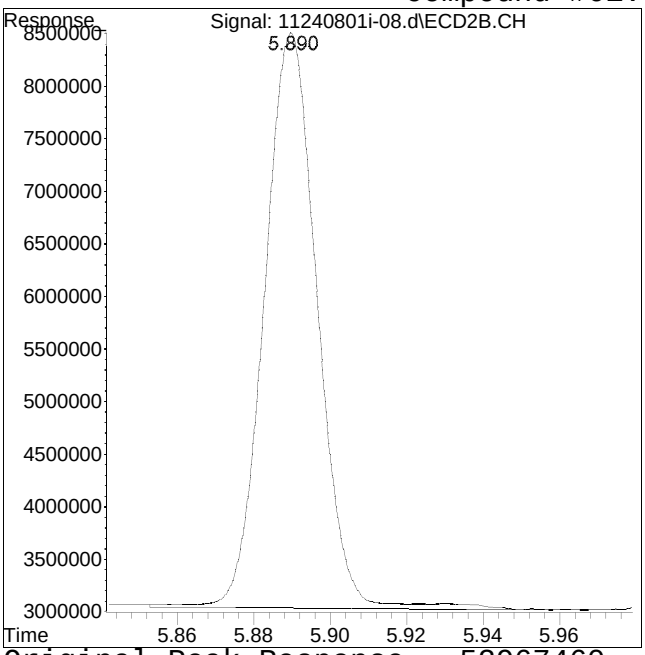
M4 = Poor automated baseline construction.

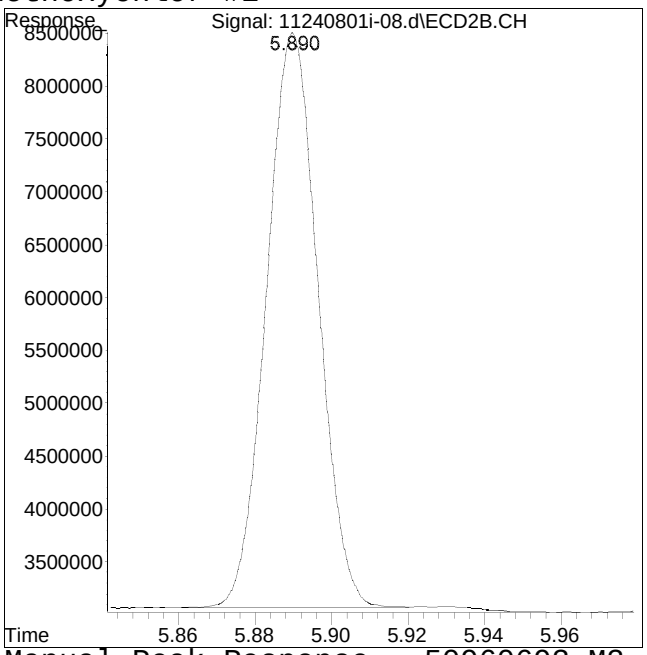
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #61: Methoxychlor #2





Original Peak Response = 52967460 Manual Peak Response = 50960693 M3

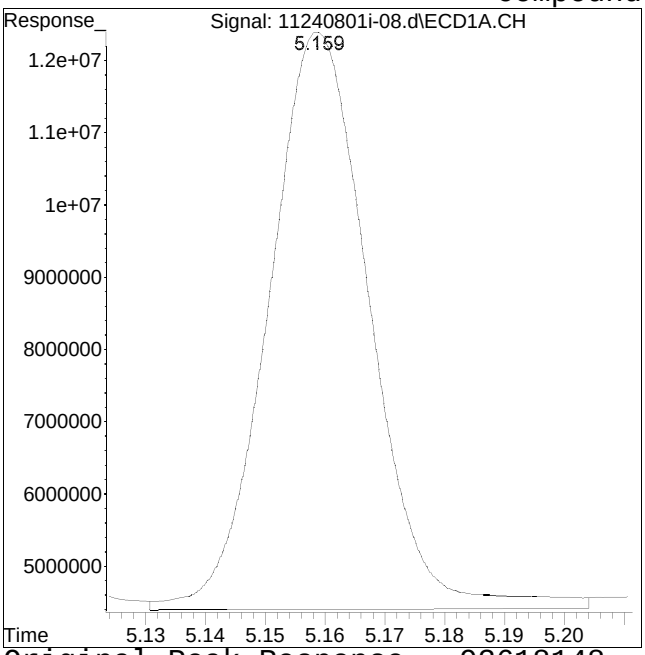
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

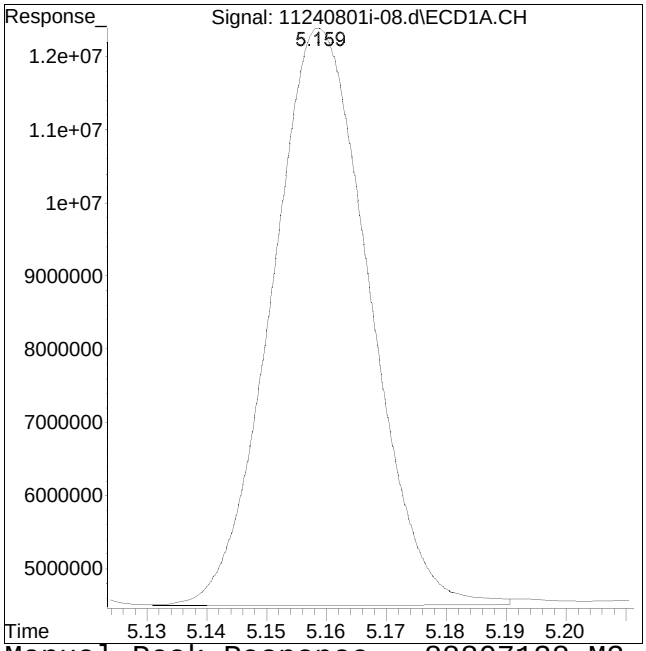
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #24: Mirex





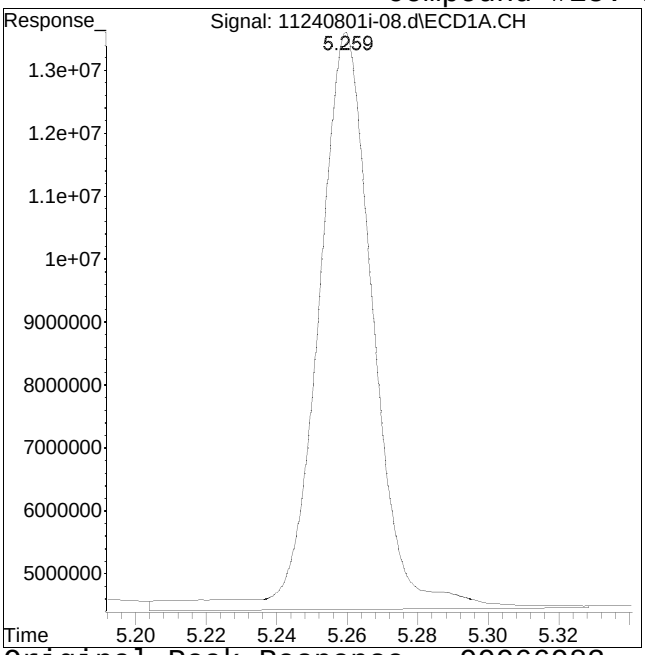
Original Peak Response = 93618148 Manual Peak Response = 88807138 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

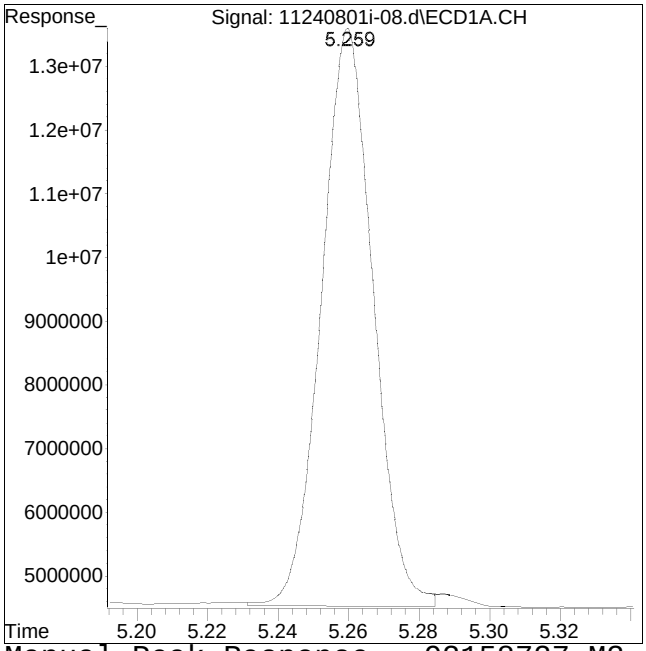
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #25: Endosulfan Sulfate



Original Peak Response = 99966983



Manual Peak Response = 92158727 M3

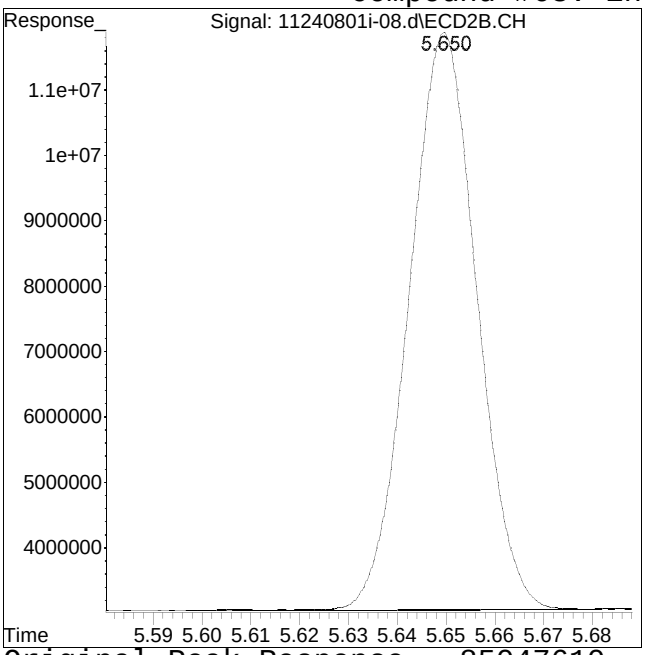
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

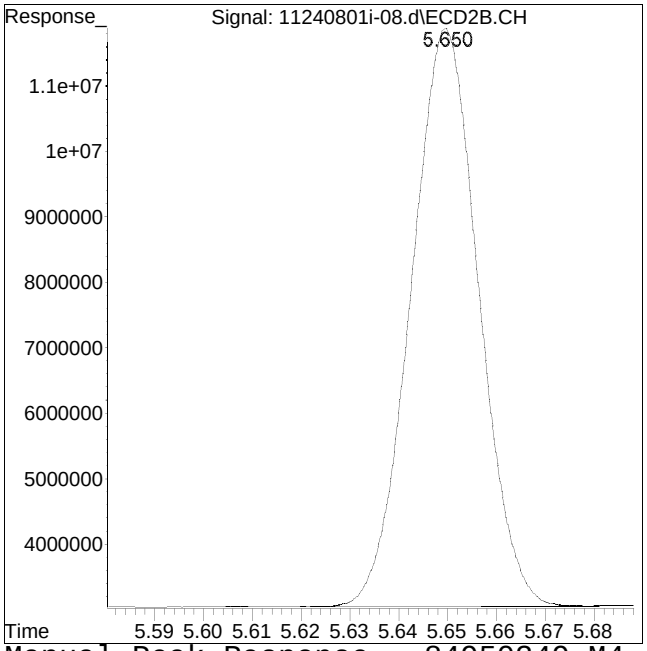
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 85047610



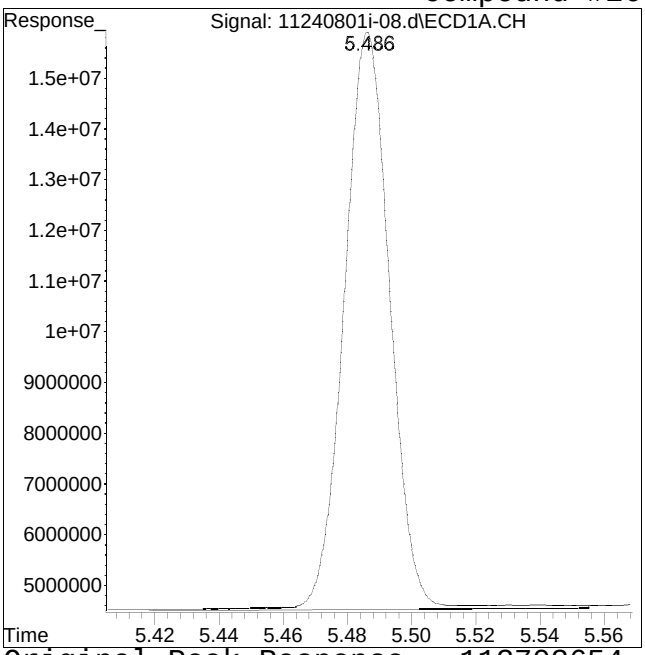
Manual Peak Response = 84950349 M4

M4 = Poor automated baseline construction.

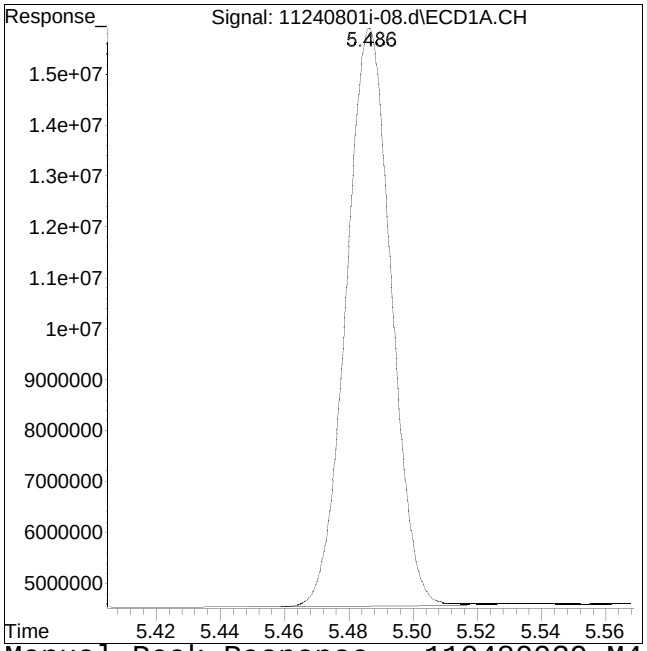
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #26: Endrin Ketone



Original Peak Response = 113703654



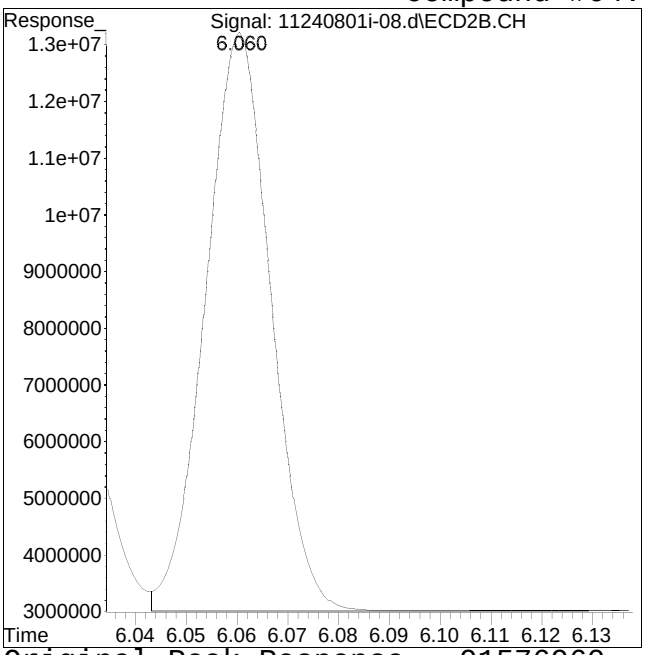
Manual Peak Response = 110480939 M4

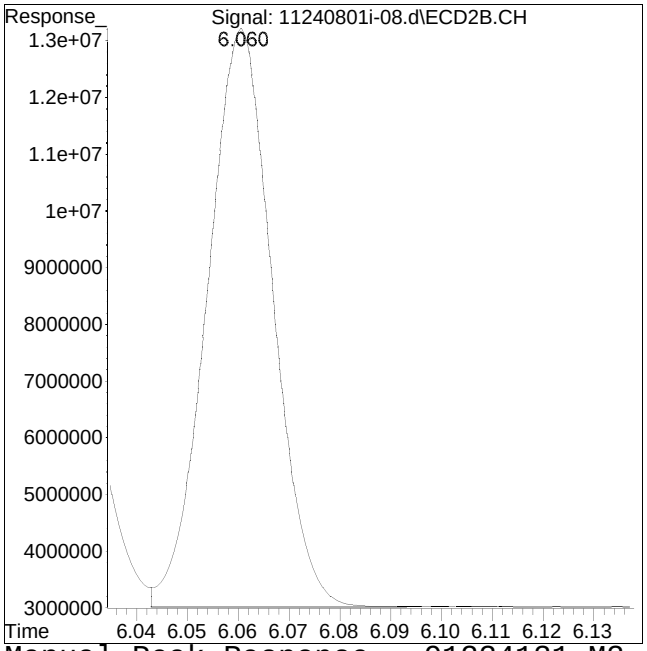
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #64: Endrin Ketone #2



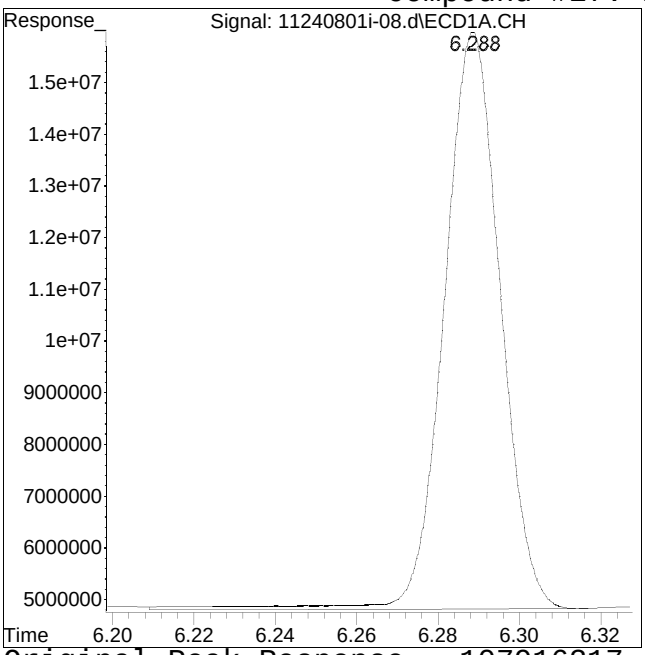


Original Peak Response = 91576960 Manual Peak Response = 91234131 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

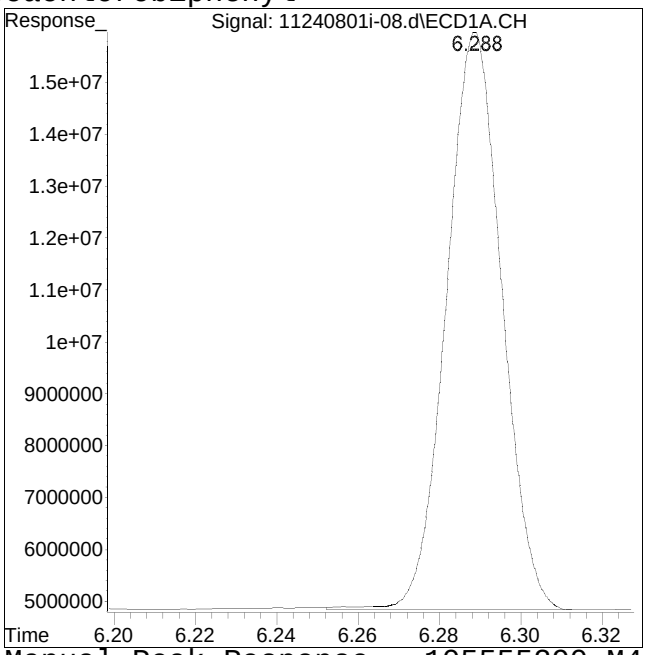
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-08.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:37 Instrument : Pest 11
Sample : il7pest,42e,,pp 11682 L0.0Quant Date : 8/2/2024 10:46 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 107916317



Manual Peak Response = 105555290 M4

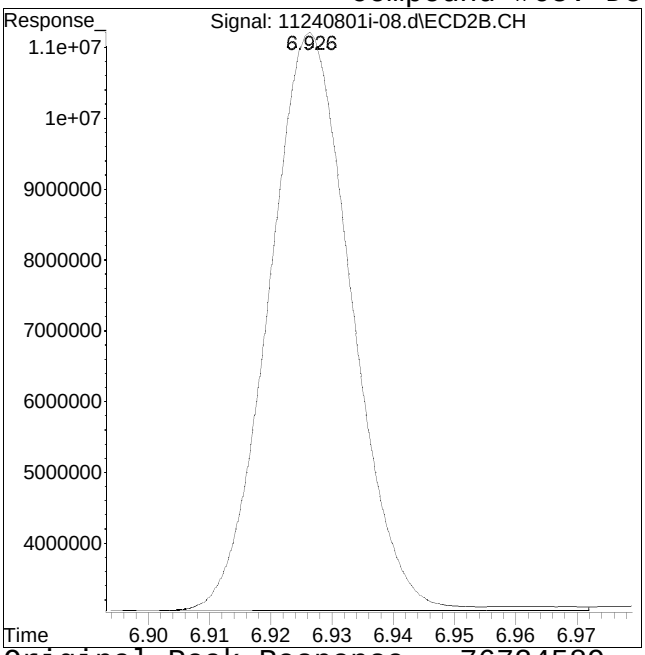
M4 = Poor automated baseline construction.

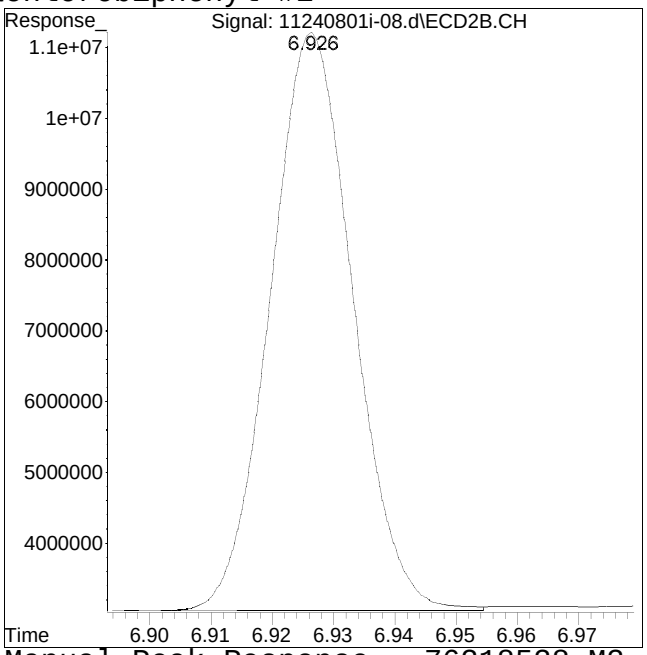
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-08.d
Date Inj'd : 8/1/2024 19:37
Sample : il7pest,42e,,pp 11682 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 10:46 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 76724589 Manual Peak Response = 76218538 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	236.1E6	187.7E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	492.0E6	407.5E6	NoCal M3	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	6.288	6.920	489.2E6	351.4E6	NoCal M4	NoCal M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	634.9E6	430.2E6	NoCal M3	NoCal M4
4) t	alpha-BHC	1.963	2.271	745.5E6	633.1E6	NoCal M4	NoCal M4
5) t	gamma-BHC (l	2.165	2.556	687.9E6	572.6E6	NoCal M4	NoCal M4
6) t	beta-BHC	2.221	2.622	286.7E6	241.2E6	NoCal M4	NoCal M3
7) t	delta-BHC	2.350	2.889	694.2E6	581.2E6	NoCal M4	NoCal M4
8) t	Heptachlor	2.513	2.952	641.1E6	583.2E6	NoCal M4	NoCal M4
9) t	Aldrin	2.756	3.271	607.8E6	538.3E6	NoCal M4	NoCal M4
10) t	Alachlor	2.876	3.153	106.6E6	73985916	NoCal M4	NoCal M4
11) t	Chlorpyrifos	2.968	3.507	254.3E6	276.4E6	NoCal M4	NoCal

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.883	567.8E6	507.8E6	NoCal M3	NoCal M4
13)	t	gamma-Chlord	3.425	4.104	508.9E6	459.6E6	NoCal M4	NoCal M4
14)	t	alpha-Chlord	3.559	4.274	577.6E6	510.2E6	NoCal M3	NoCal M4
15)	t	4,4'-DDE	3.656	4.473	579.1E6	505.9E6	NoCal M4	NoCal M4
16)	t	Endosulfan I	3.695	4.336	533.8E6	473.2E6	NoCal M3	NoCal M4
17)	t	Dieldrin	3.955	4.628	554.2E6	490.0E6	NoCal M4	NoCal M4
18)	t	Endrin	4.210	4.926	563.1E6	497.8E6	NoCal	NoCal M4
19)	t	4,4'-DDD	4.322	5.049	451.2E6	402.1E6	NoCal	NoCal M4
20)	t	Endosulfan I	4.452	5.125	505.7E6	433.2E6	NoCal	NoCal M4
21)	t	4,4'-DDT	4.616	5.326	511.5E6	460.7E6	NoCal M4	NoCal M4
22)	t	Endrin Aldeh	4.868	5.421	414.1E6	353.4E6	NoCal M4	NoCal M3
23)	t	Methoxychlor	5.104	5.890	267.0E6	236.7E6	NoCal M4	NoCal M4
24)	t	Mirex	5.160	6.023	415.8E6	345.7E6	NoCal M3	NoCal M4
25)	t	Endosulfan S	5.260	5.649	466.7E6	415.6E6	NoCal M3	NoCal M3
26)	t	Endrin Keton	5.487	6.060	564.8E6	452.3E6	NoCal M4	NoCal M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

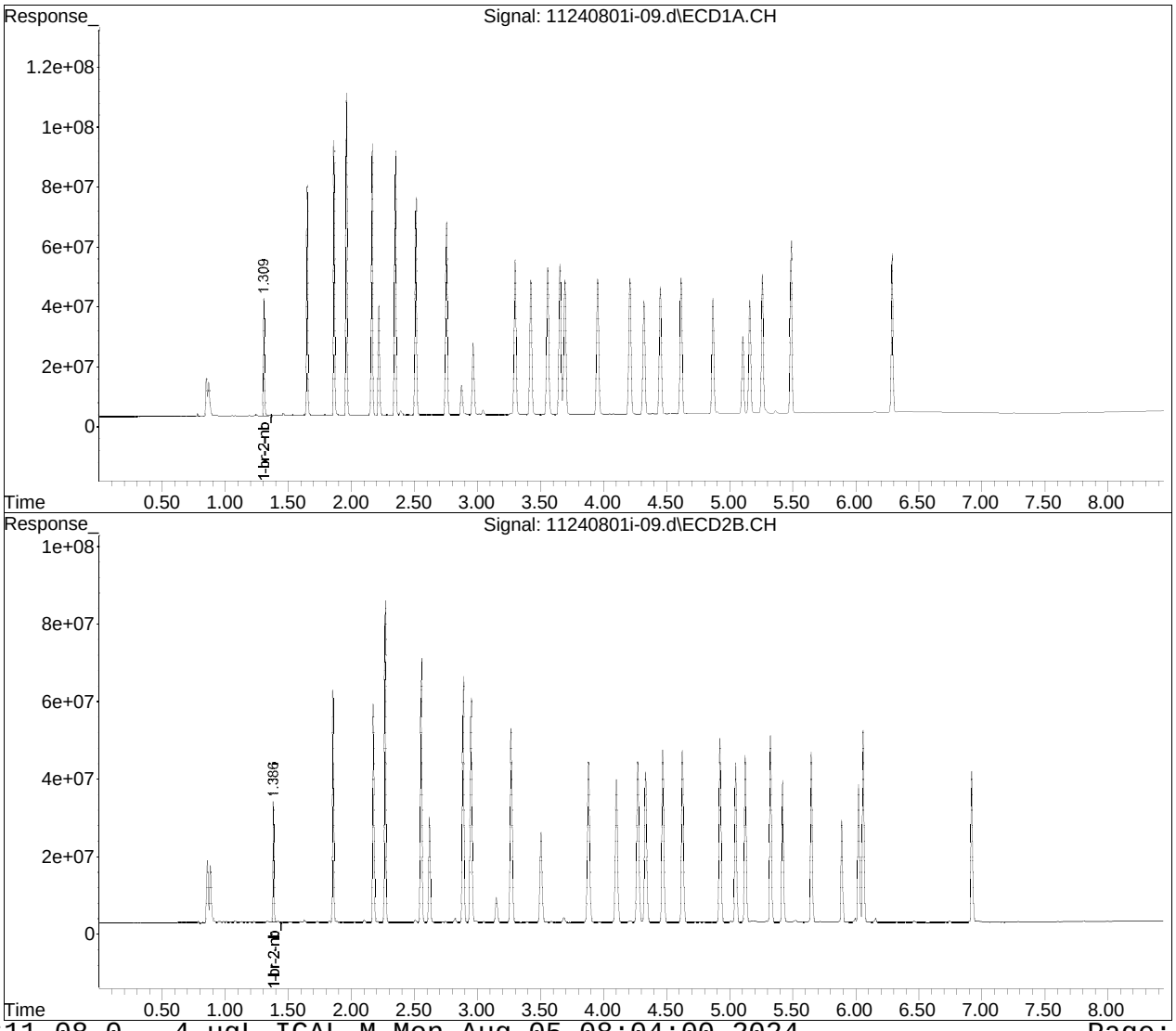
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 19:49
Operator : PEST11:ejl
Sample : il8pest,42e,,pp 11681 L0.05
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:03:26 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:03:16 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

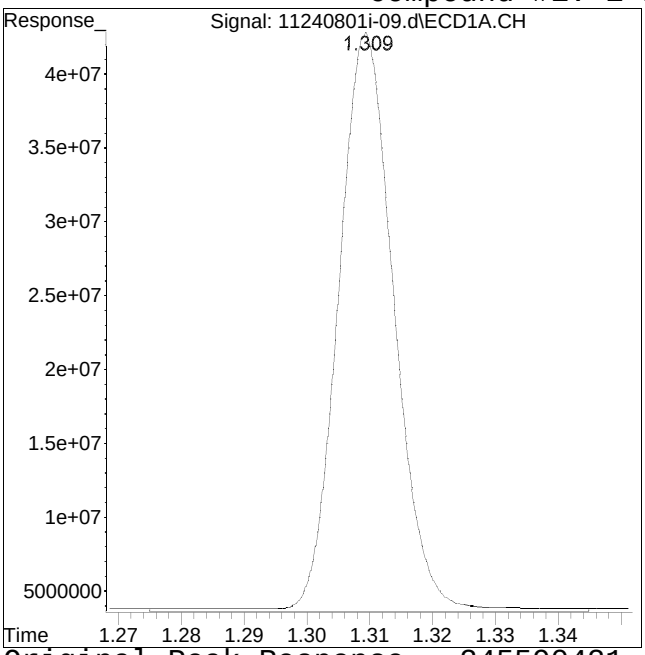


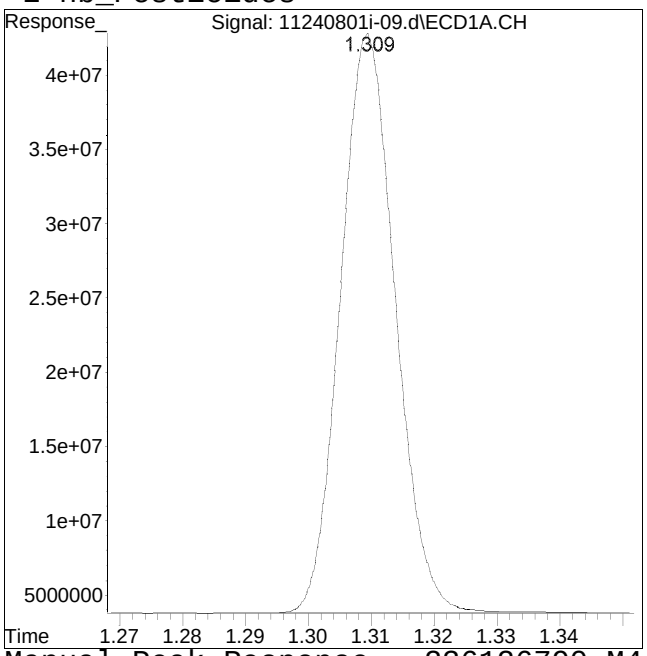
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #1: 1-br-2-nb_Pesticides





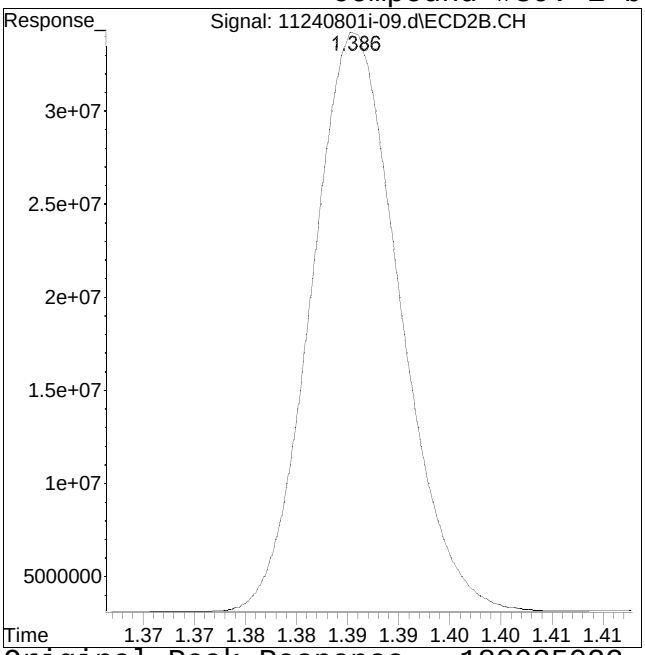
Original Peak Response = 245590421 Manual Peak Response = 236126790 M4
M4 = Poor automated baseline construction.

Manual Integration Report

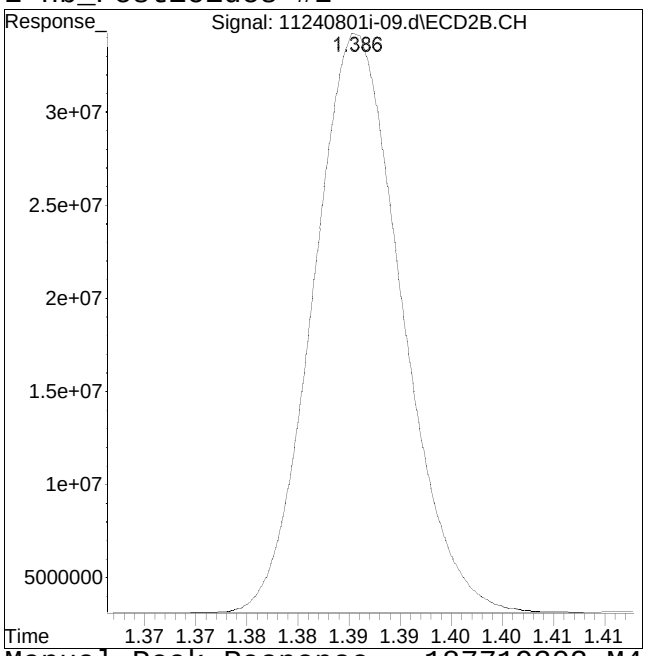
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 188025922



Manual Peak Response = 187719302 M4

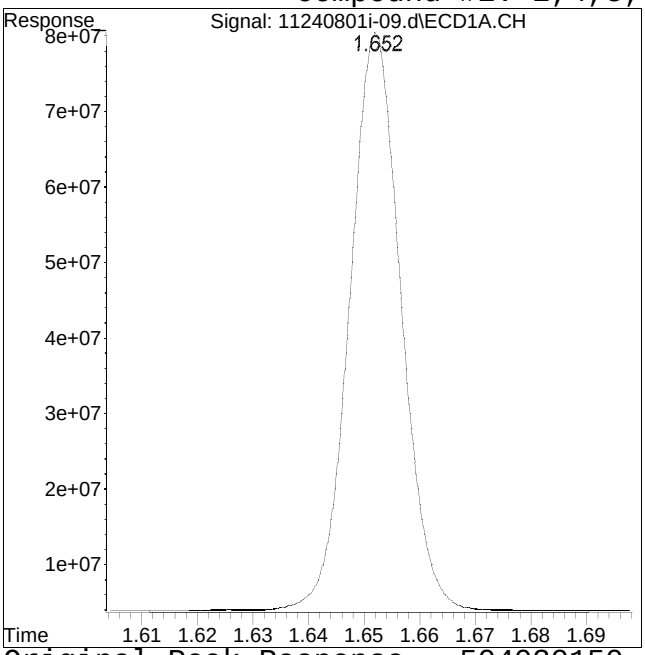
M4 = Poor automated baseline construction.

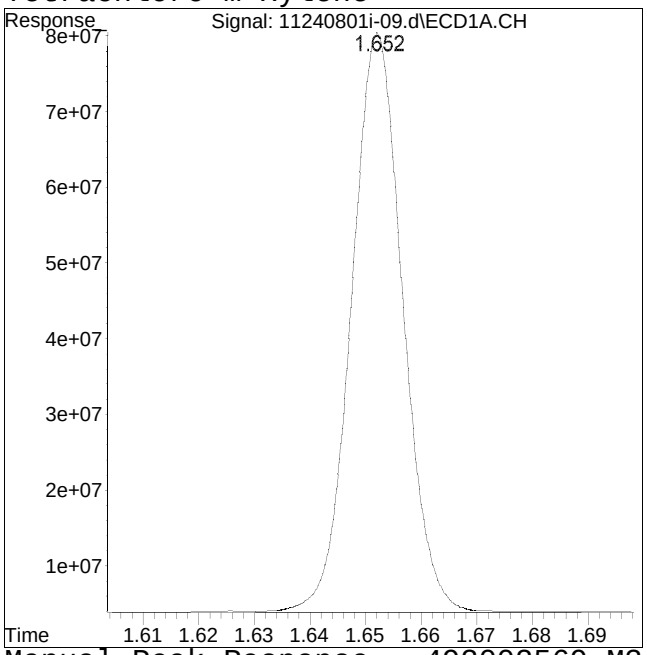
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





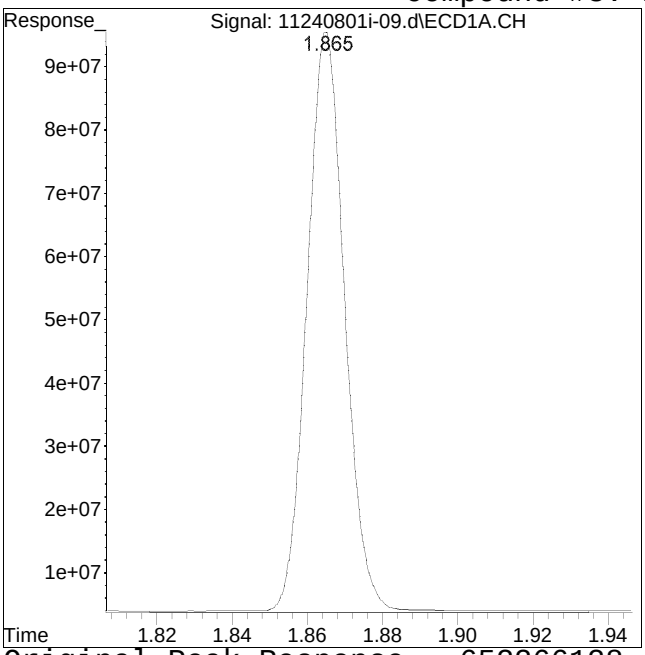
Original Peak Response = 504030150 Manual Peak Response = 492002569 M3

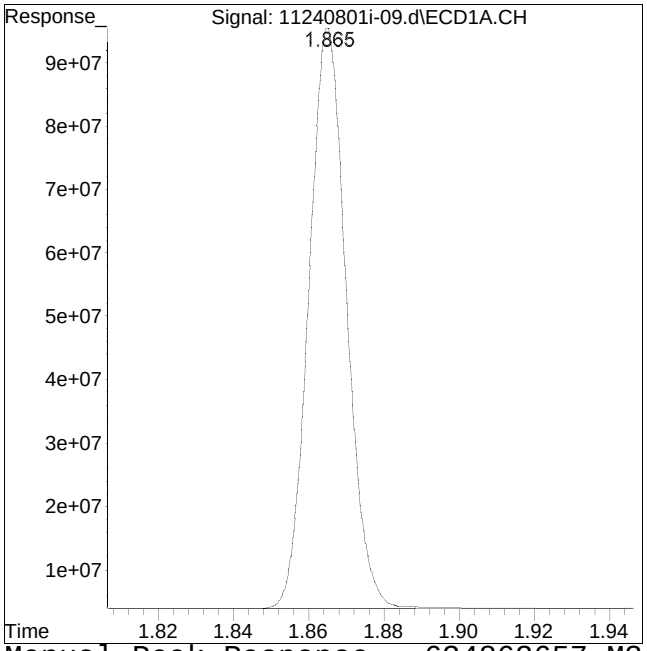
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #3: Hexachlorobenzene





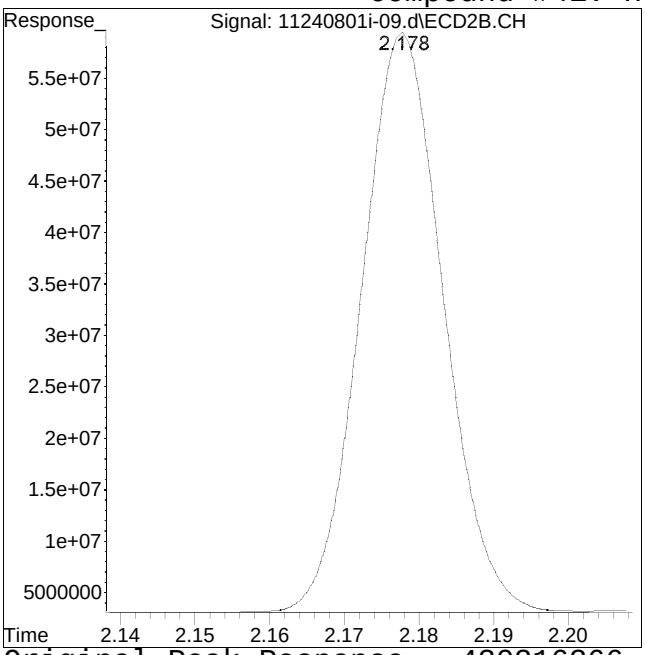
Original Peak Response = 652266128 Manual Peak Response = 634863657 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

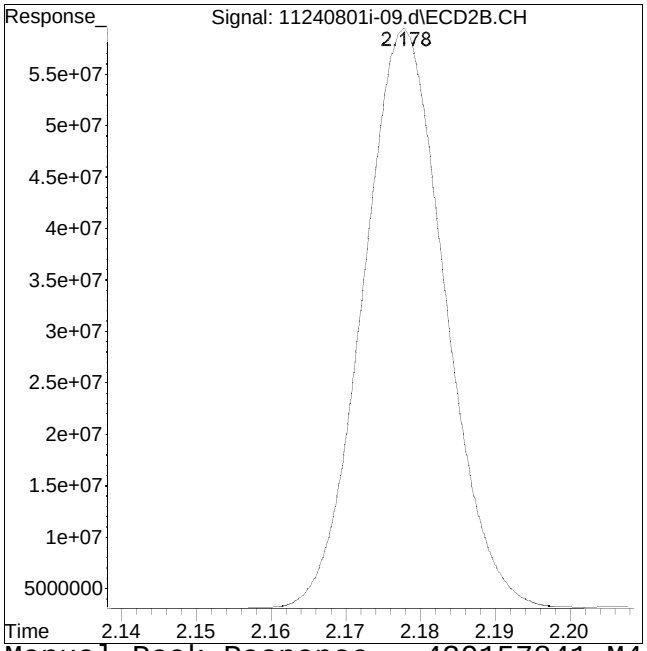
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #41: Hexachlorobenzene #2



Original Peak Response = 430316366



Manual Peak Response = 430157841 M4

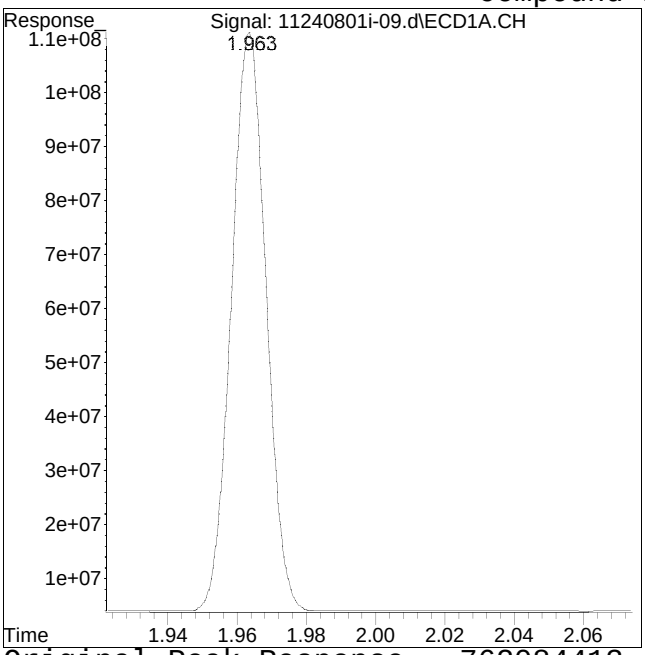
M4 = Poor automated baseline construction.

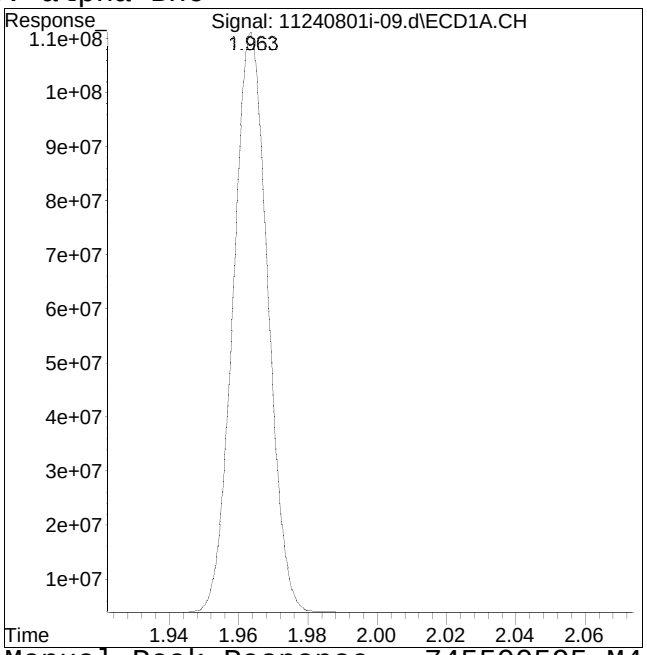
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #4: alpha-BHC



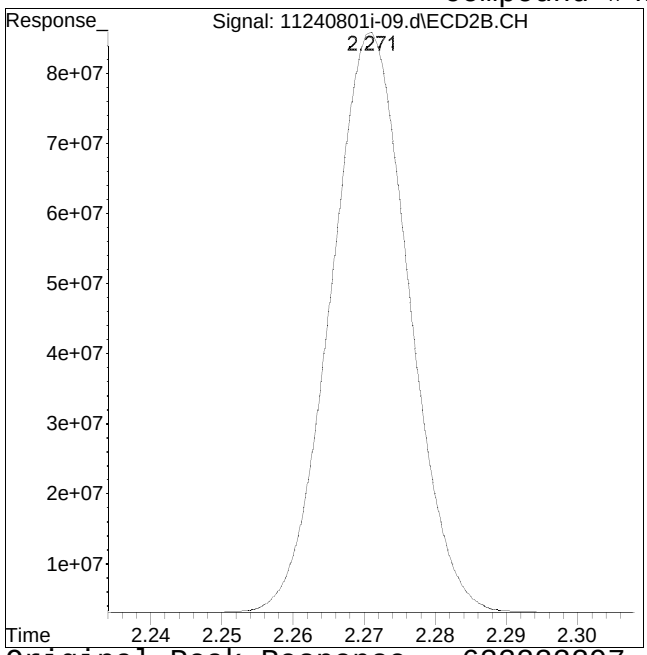


Original Peak Response = 762084413 Manual Peak Response = 745500595 M4
M4 = Poor automated baseline construction.

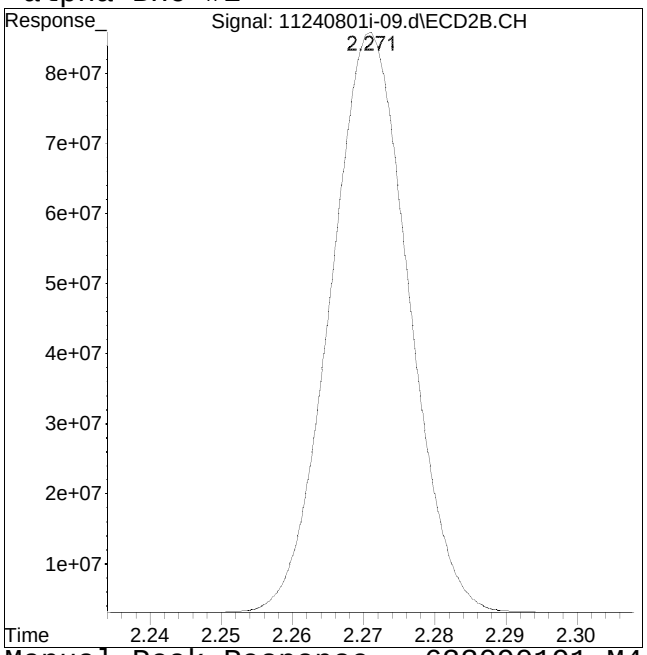
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #42: alpha-BHC #2



Original Peak Response = 633233297

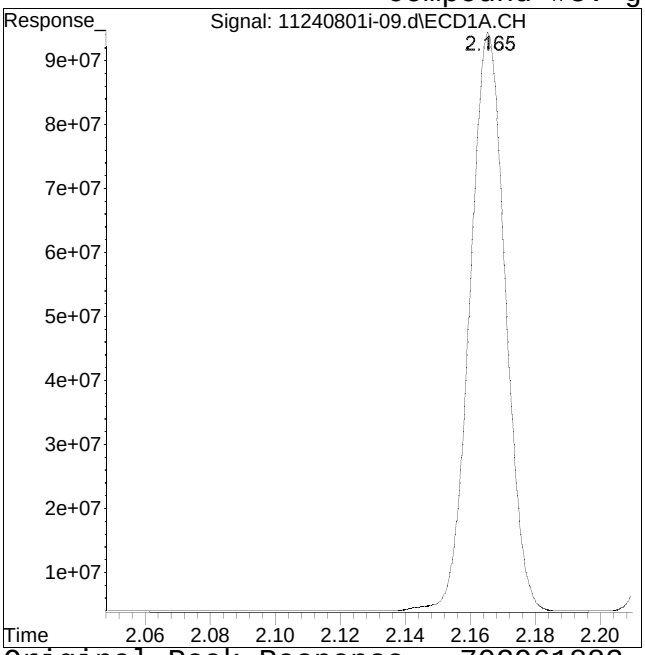


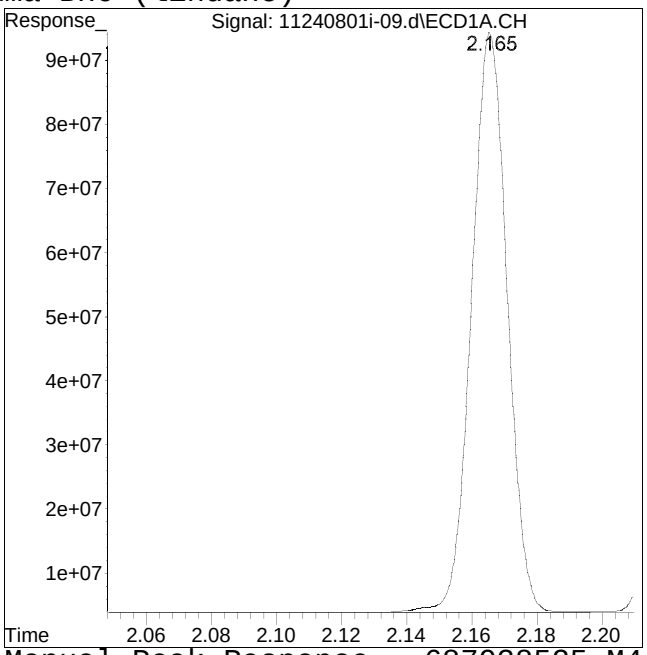
Manual Peak Response = 633090191 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #5: gamma-BHC (lindane)



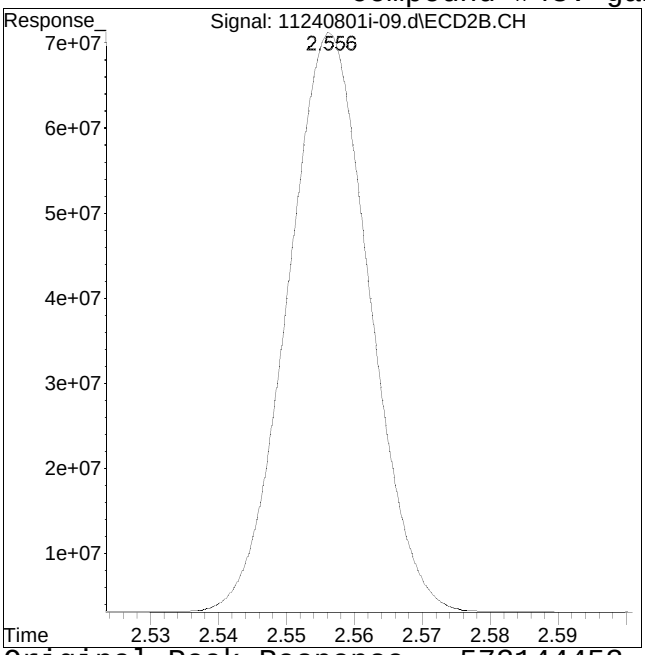


Original Peak Response = 702961883 Manual Peak Response = 687938525 M4
M4 = Poor automated baseline construction.

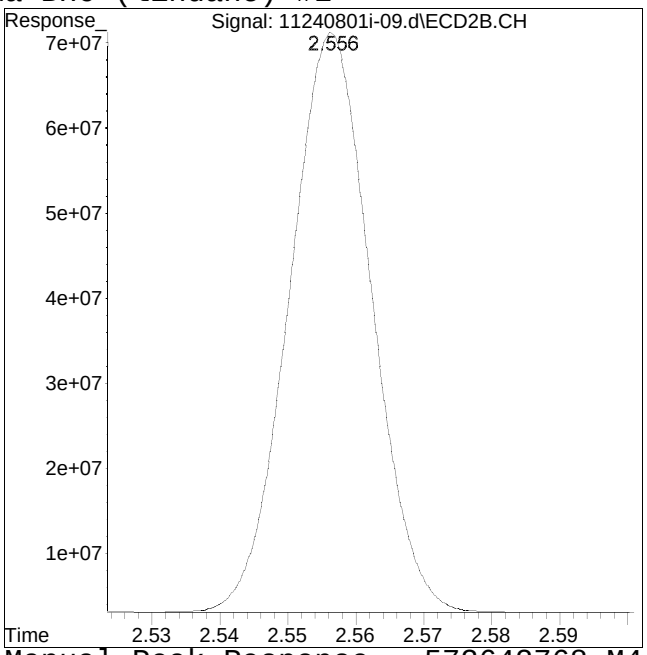
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #43: gamma-BHC (lindane) #2



Original Peak Response = 573144453



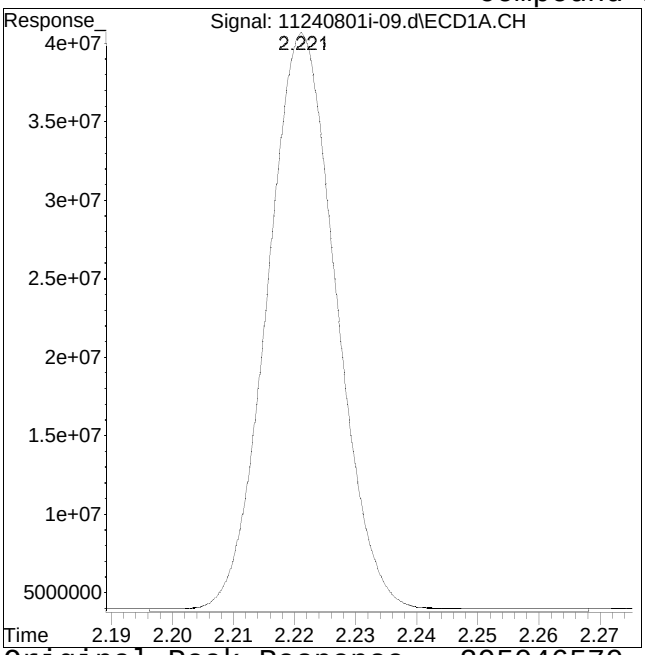
Manual Peak Response = 572642768 M4
M4 = Poor automated baseline construction.

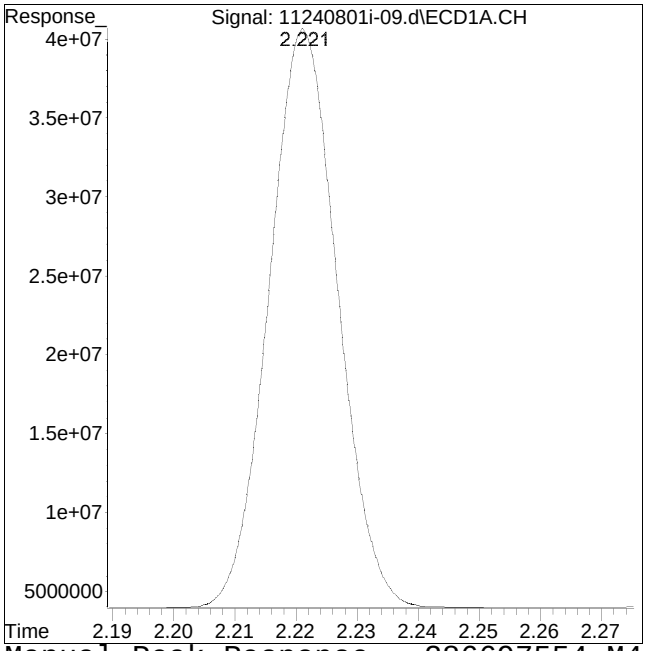
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #6: beta-BHC





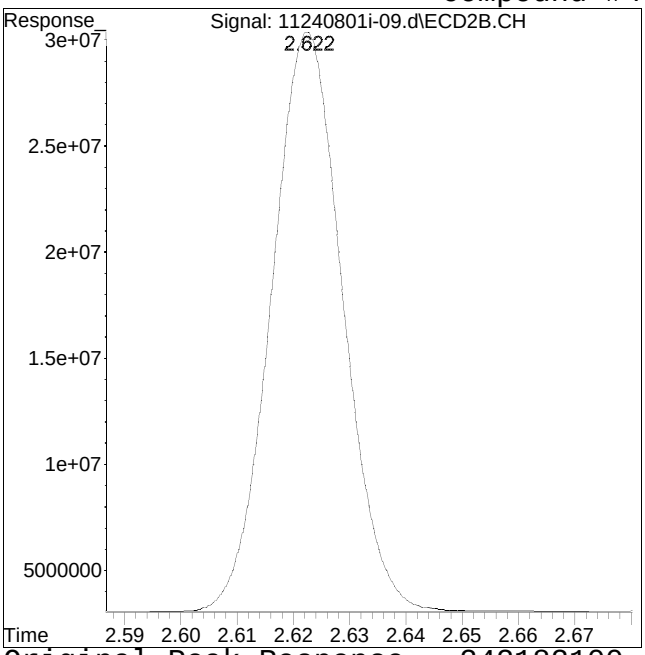
Original Peak Response = 295046570 Manual Peak Response = 286697554 M4
M4 = Poor automated baseline construction.

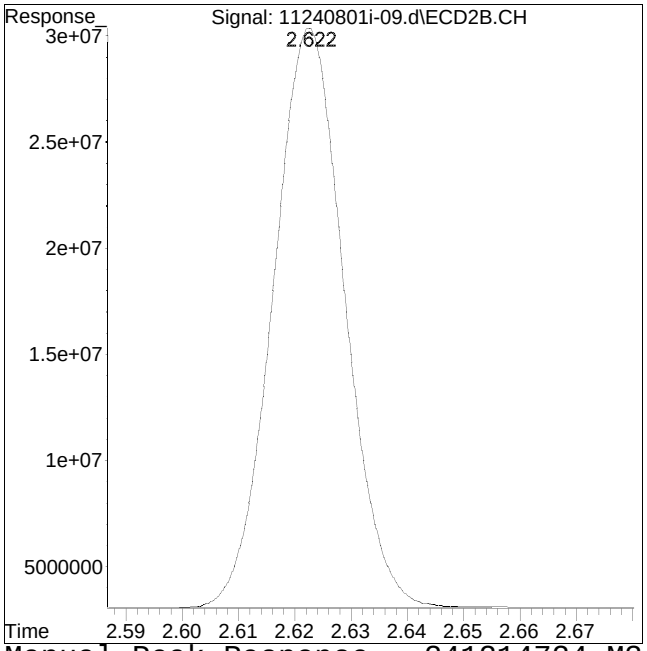
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #44: beta-BHC #2



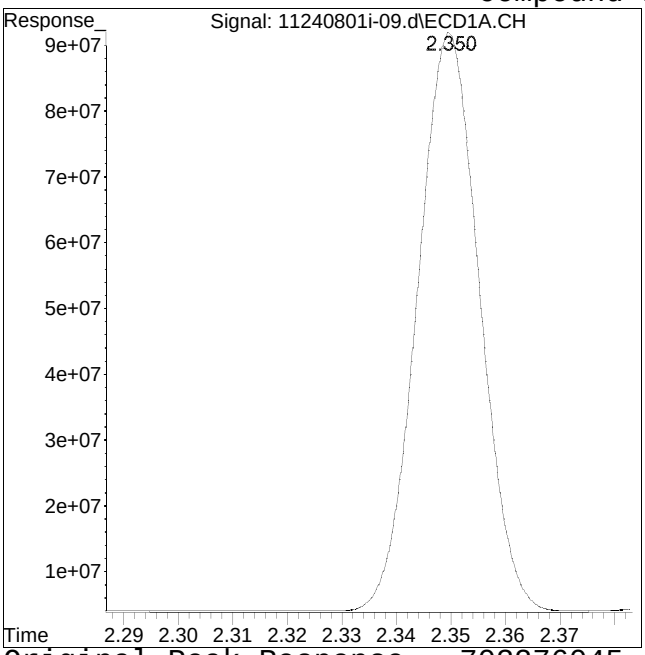


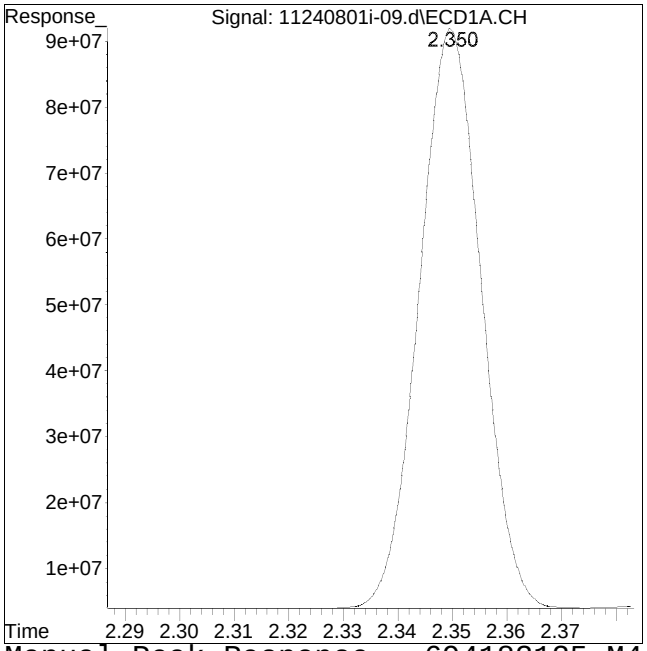
Original Peak Response = 242182100 Manual Peak Response = 241214724 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #7: delta-BHC



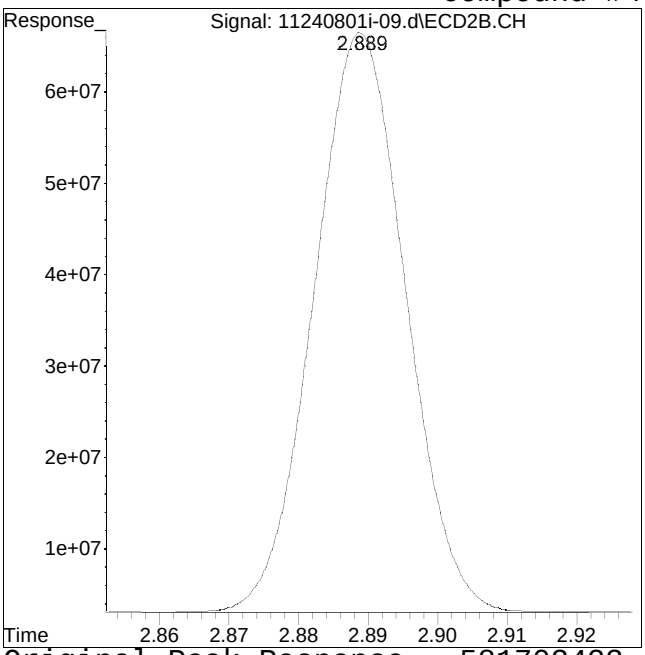


Original Peak Response = 703276045 Manual Peak Response = 694183125 M4
M4 = Poor automated baseline construction.

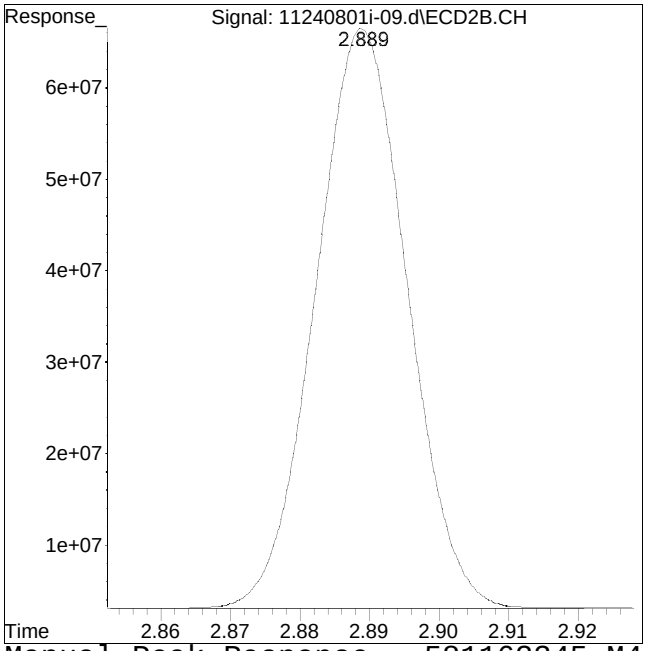
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #45: delta-BHC #2



Original Peak Response = 581702423



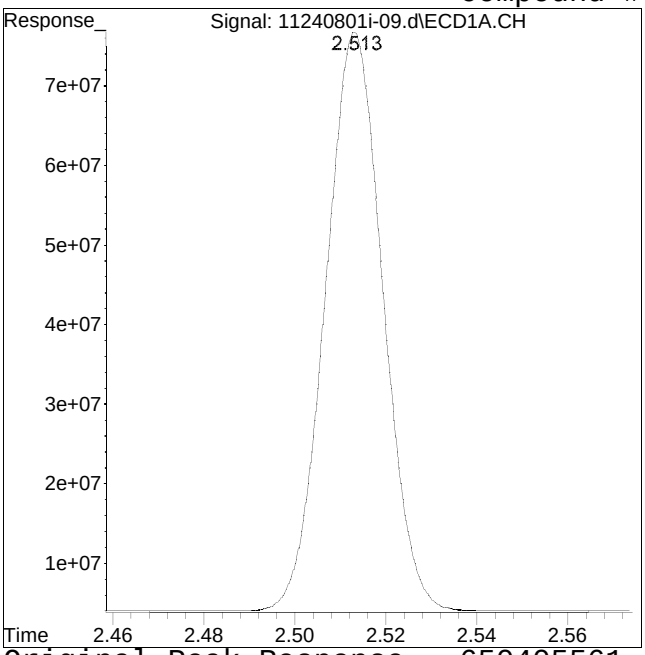
Manual Peak Response = 581163345 M4

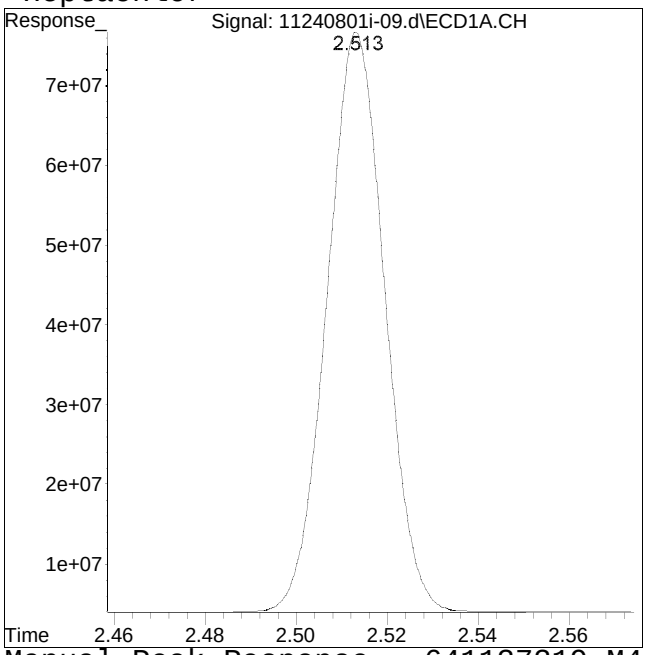
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #8: Heptachlor



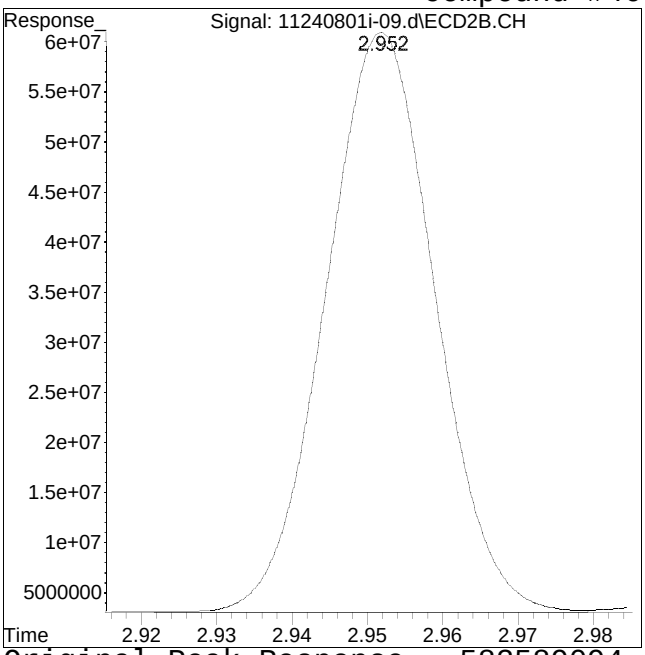


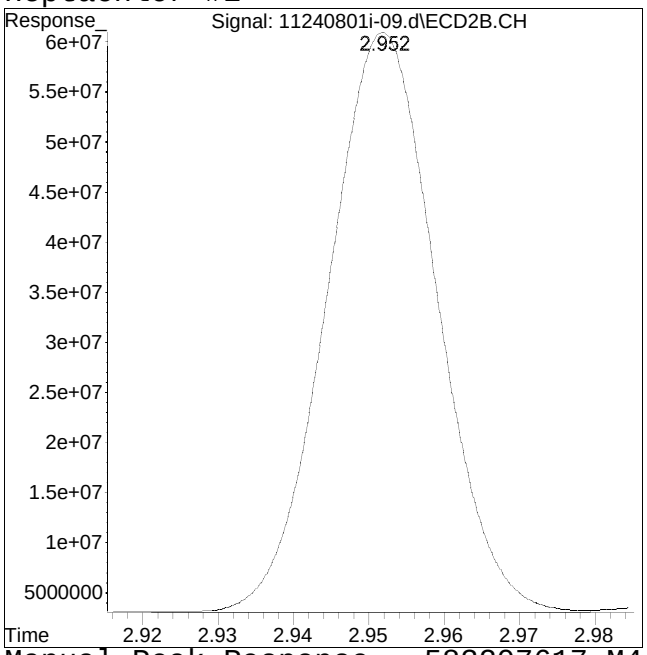
Original Peak Response = 650405561 Manual Peak Response = 641137319 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #46: Heptachlor #2





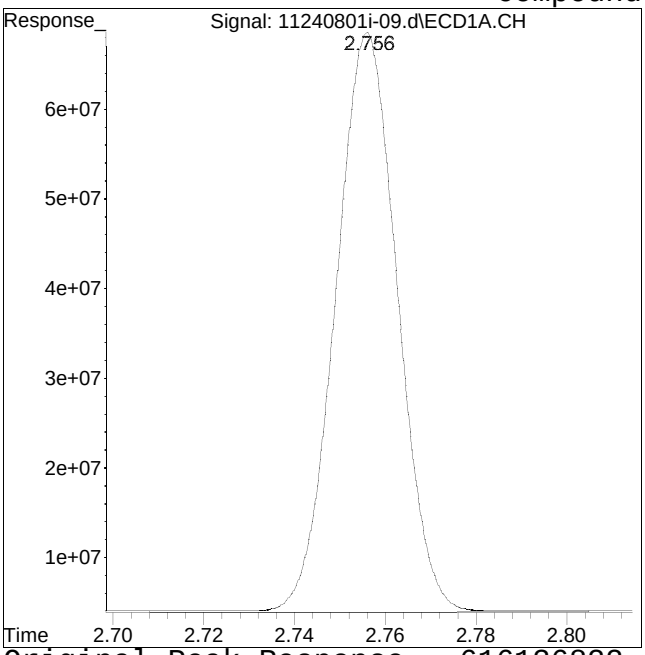
Original Peak Response = 583589094 Manual Peak Response = 583207617 M4
M4 = Poor automated baseline construction.

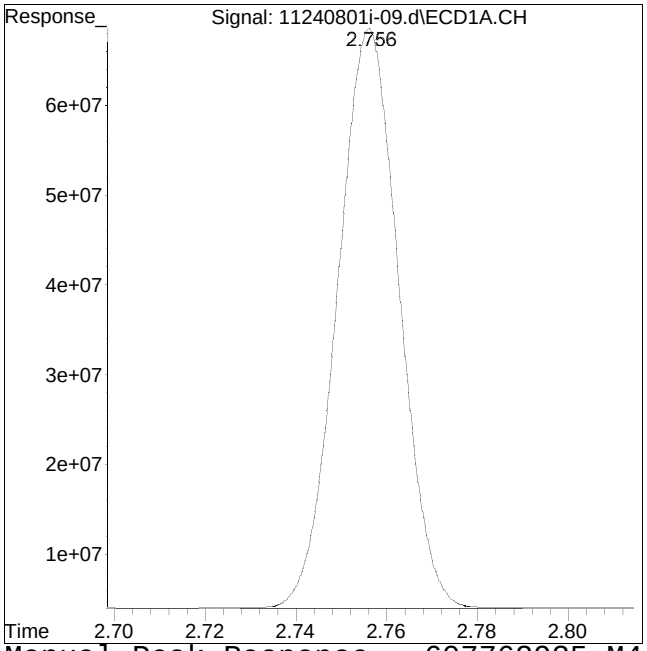
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #9: Aldrin



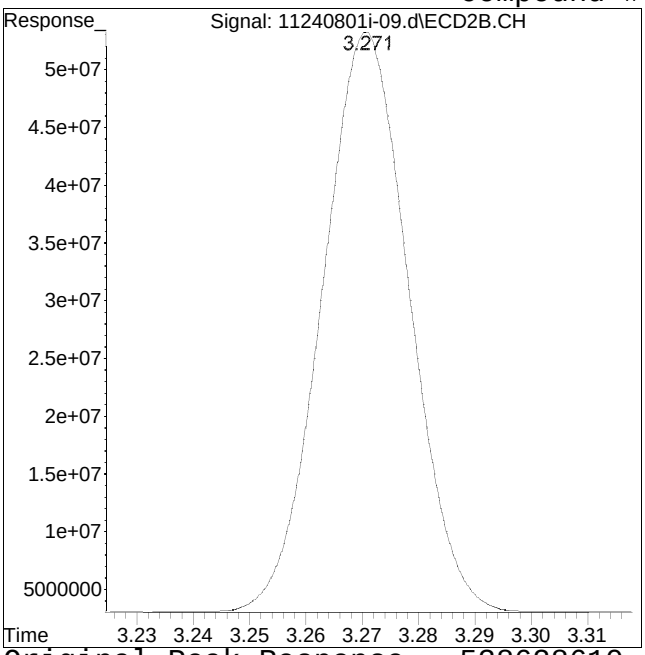


Original Peak Response = 616136822 Manual Peak Response = 607762935 M4
M4 = Poor automated baseline construction.

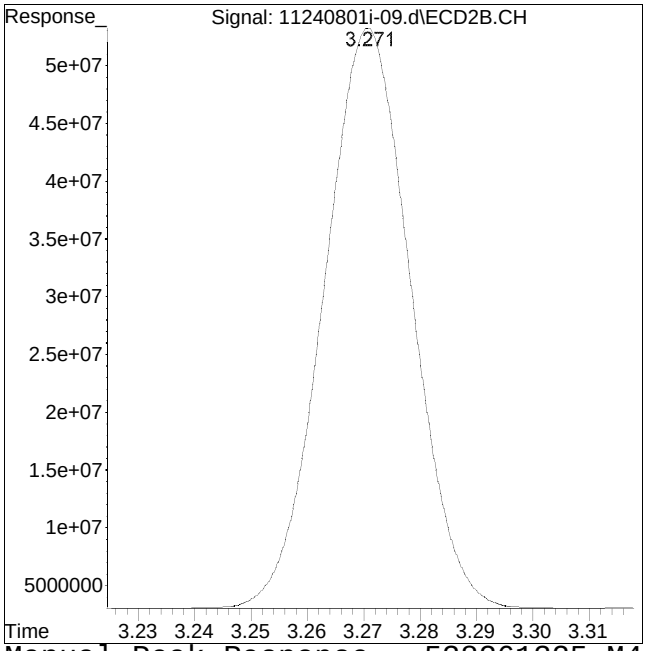
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #47: Aldrin #2



Original Peak Response = 538628610



Manual Peak Response = 538261325 M4

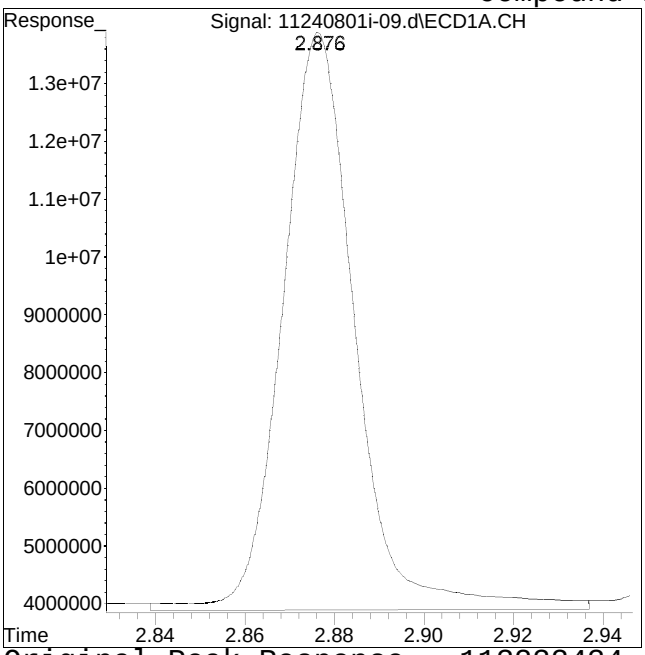
M4 = Poor automated baseline construction.

Manual Integration Report

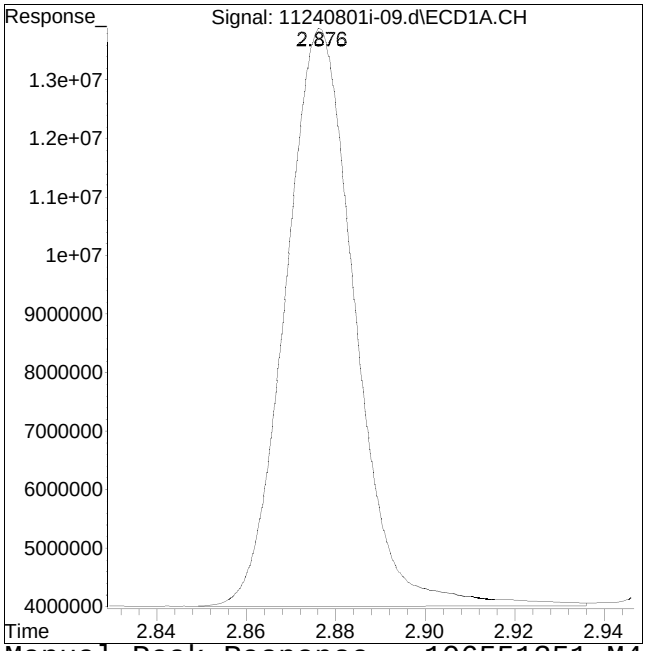
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #10: Alachlor



Original Peak Response = 113232434



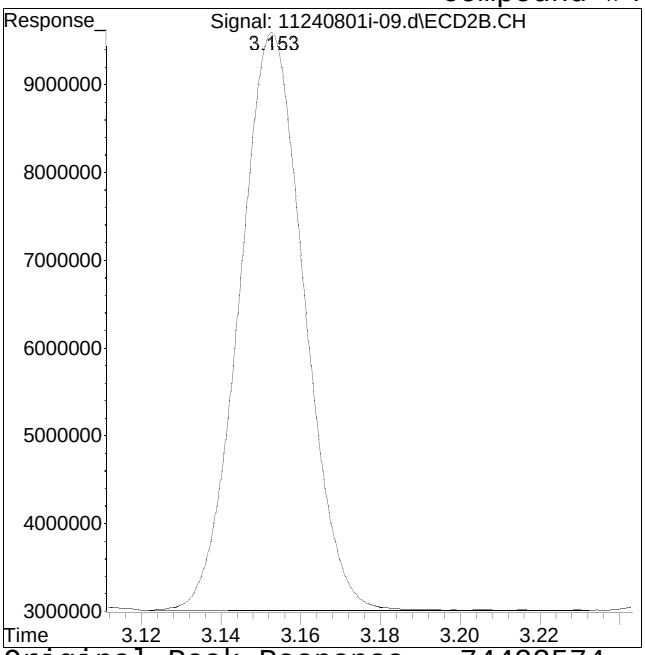
Manual Peak Response = 106551351 M4

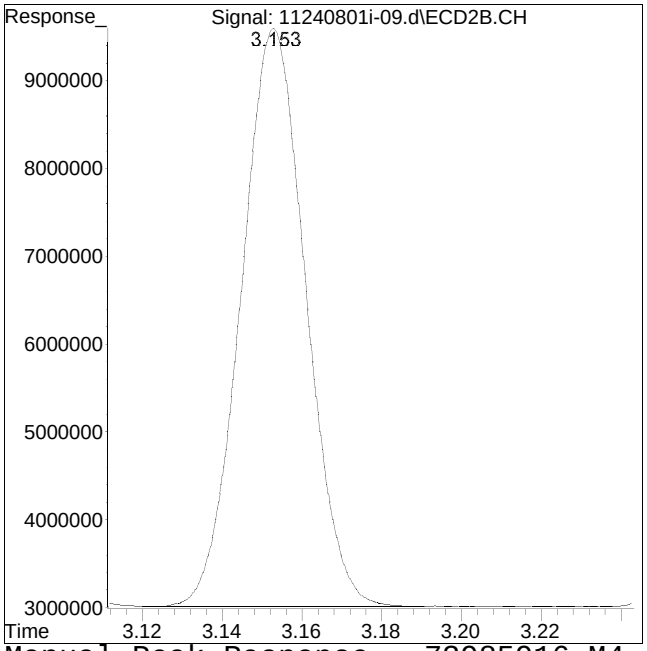
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #48: Alachlor #2



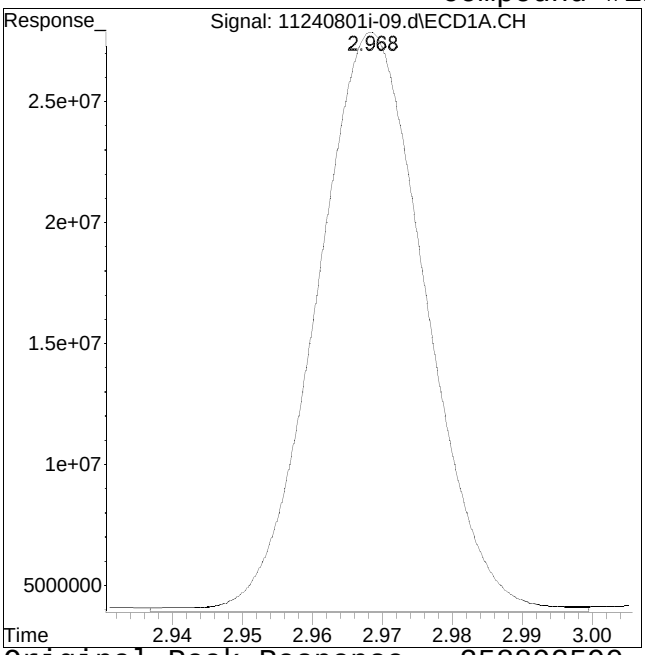


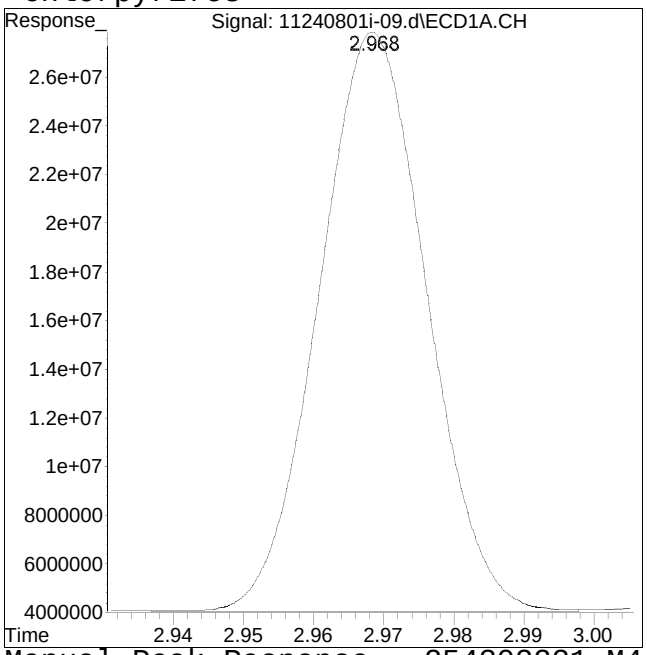
Original Peak Response = 74422574 Manual Peak Response = 73985916 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #11: Chlorpyrifos



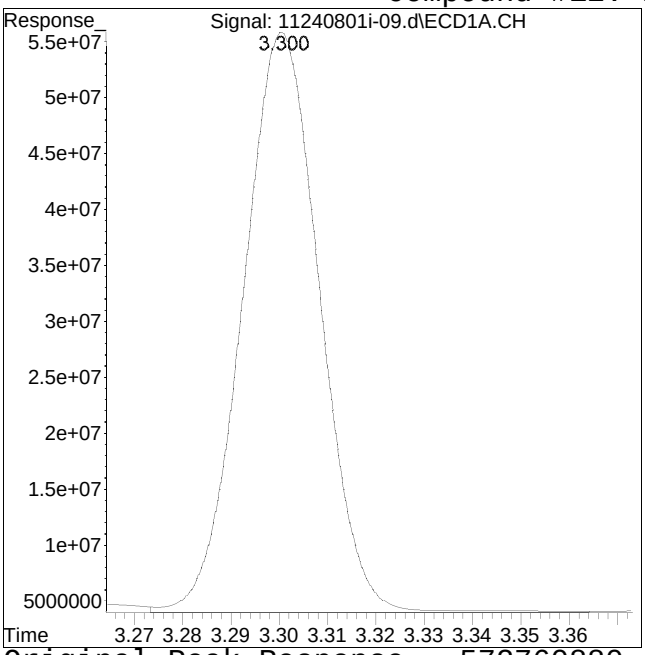


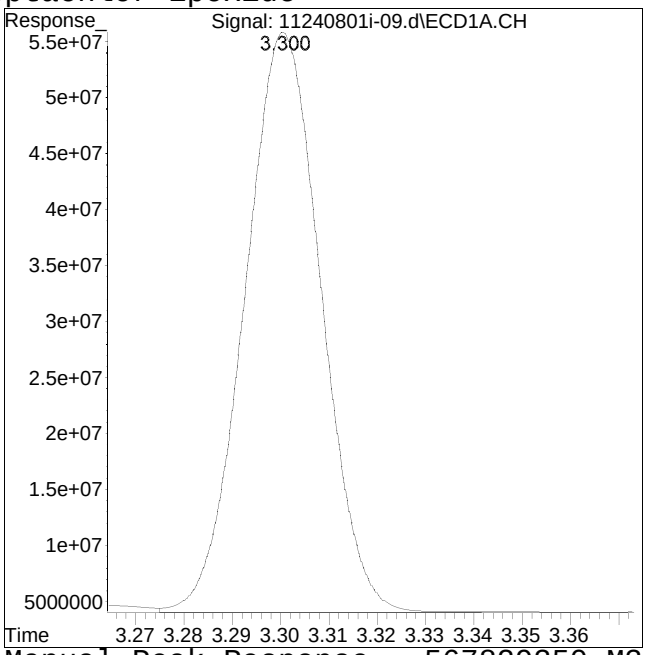
Original Peak Response = 258892590 Manual Peak Response = 254302221 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #12: Heptachlor Epoxide



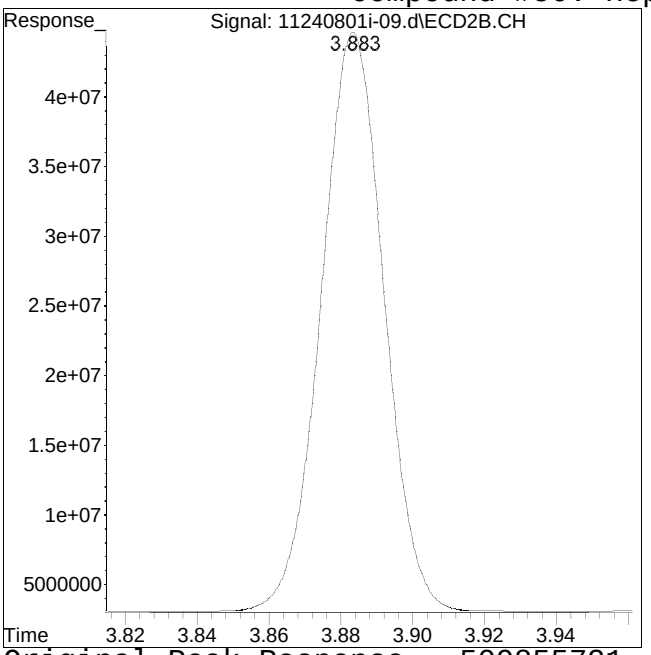


Original Peak Response = 572760880 Manual Peak Response = 567829350 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

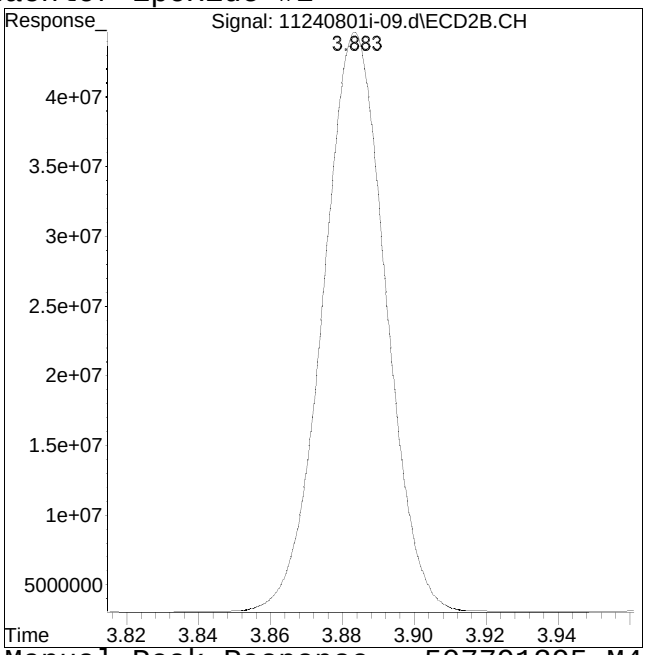
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #50: Heptachlor Epoxide #2



Original Peak Response = 509855721



Manual Peak Response = 507791395 M4

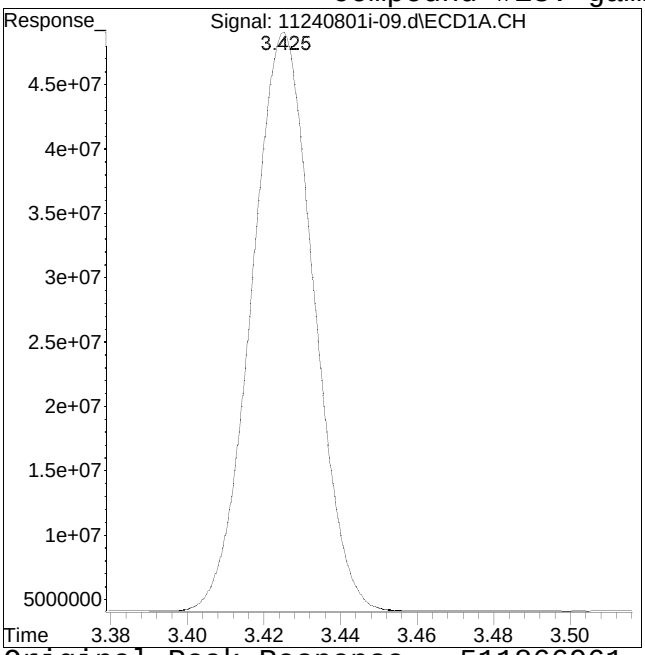
M4 = Poor automated baseline construction.

Manual Integration Report

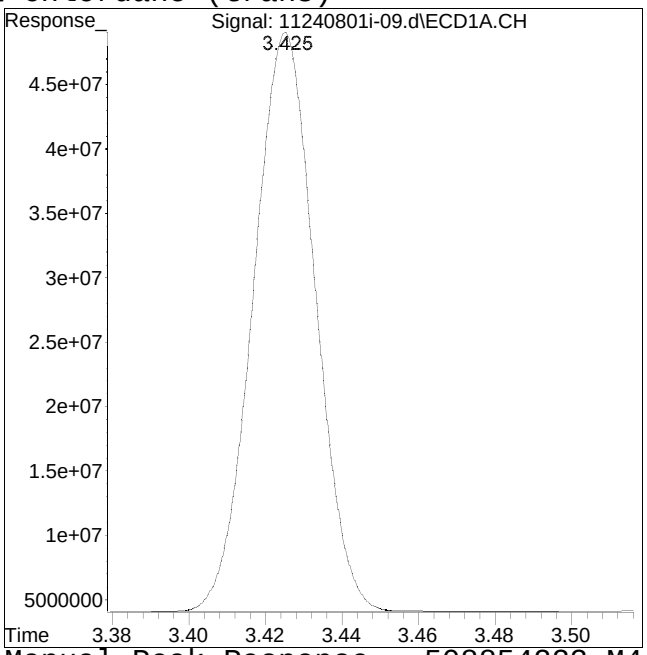
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 511866961



Manual Peak Response = 508854223 M4

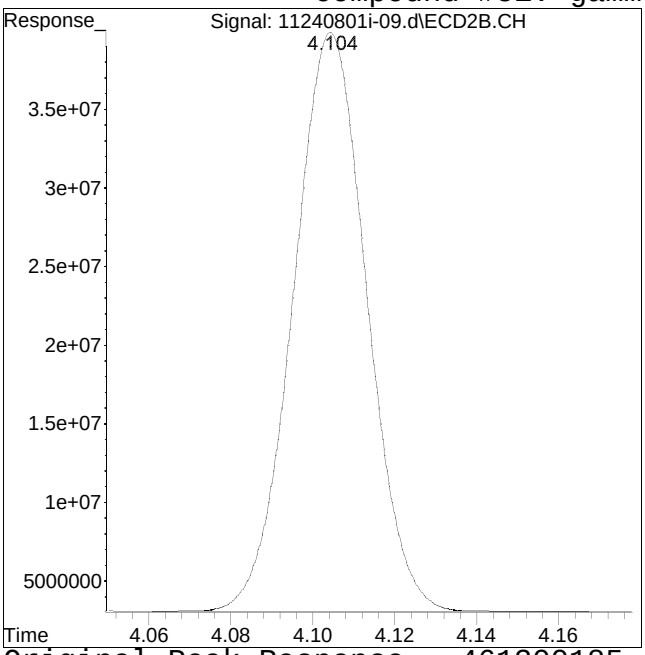
M4 = Poor automated baseline construction.

Manual Integration Report

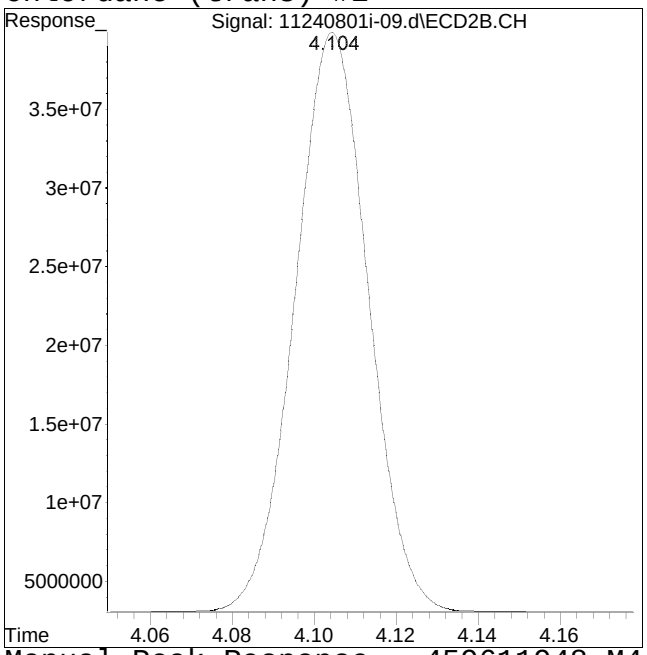
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 461300185



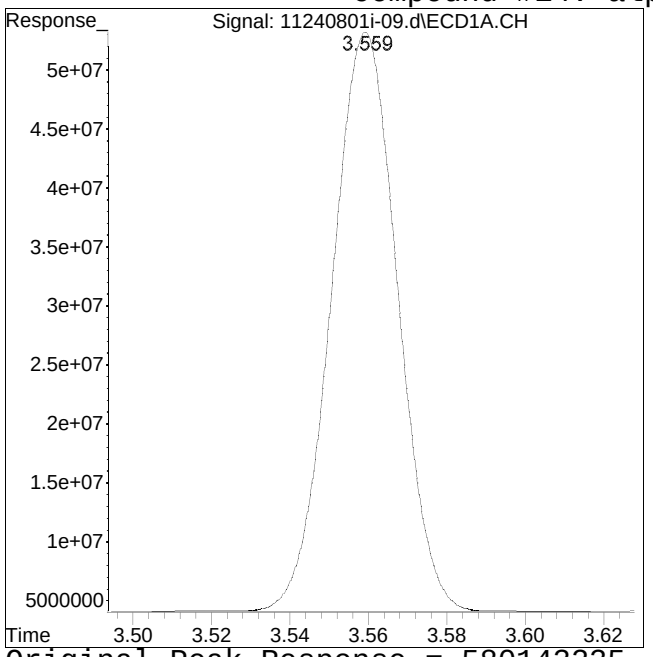
Manual Peak Response = 459611948 M4

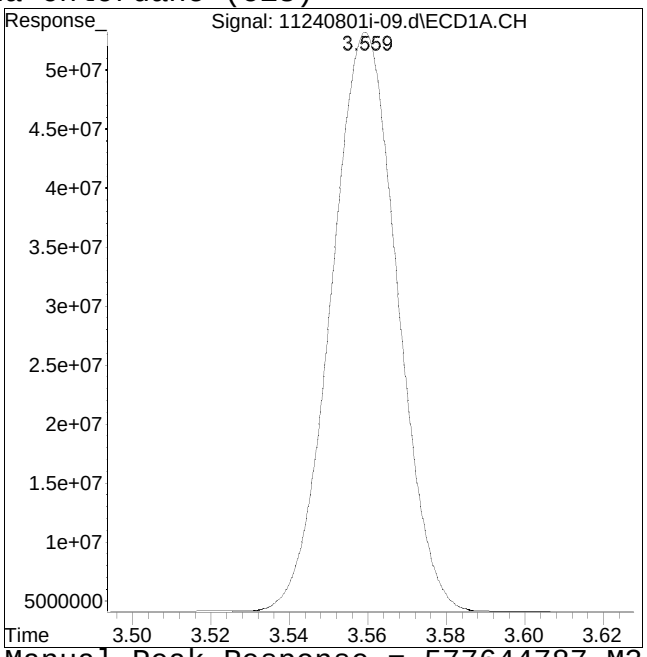
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #14: alpha-Chlordane (cis)



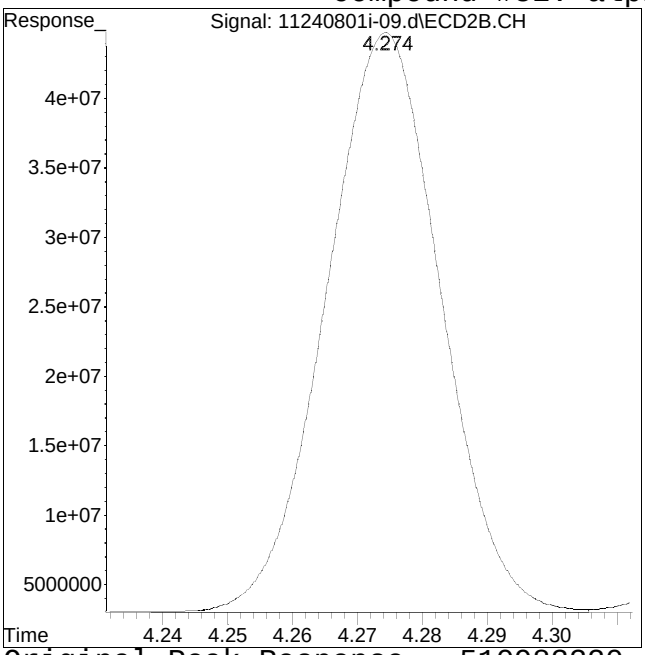


Original Peak Response = 580143235 Manual Peak Response = 577644787 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

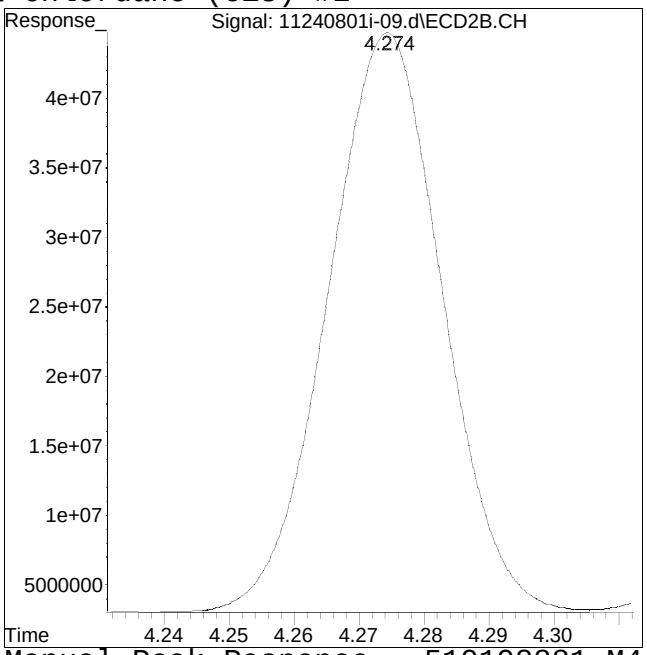
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 510983320



Manual Peak Response = 510198881 M4

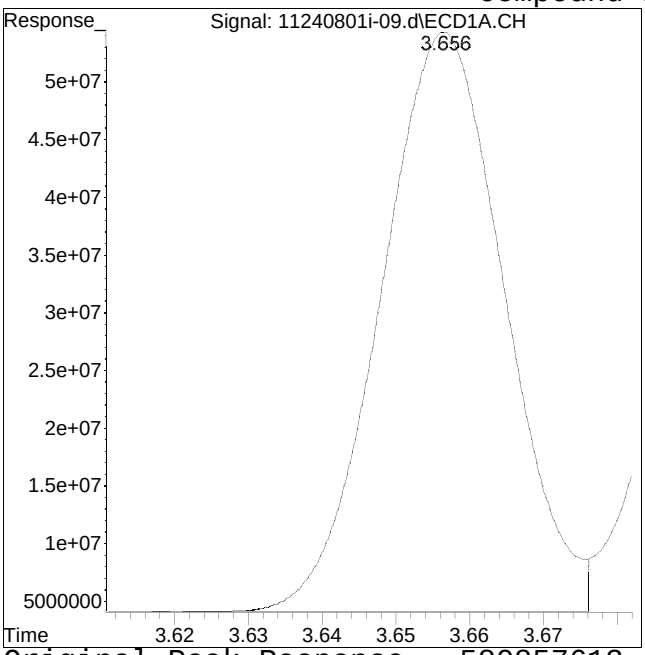
M4 = Poor automated baseline construction.

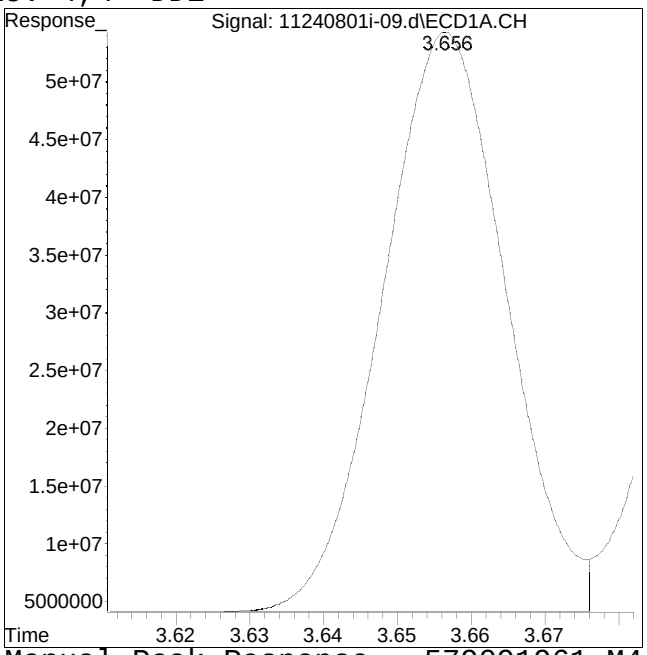
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #15: 4,4'-DDE



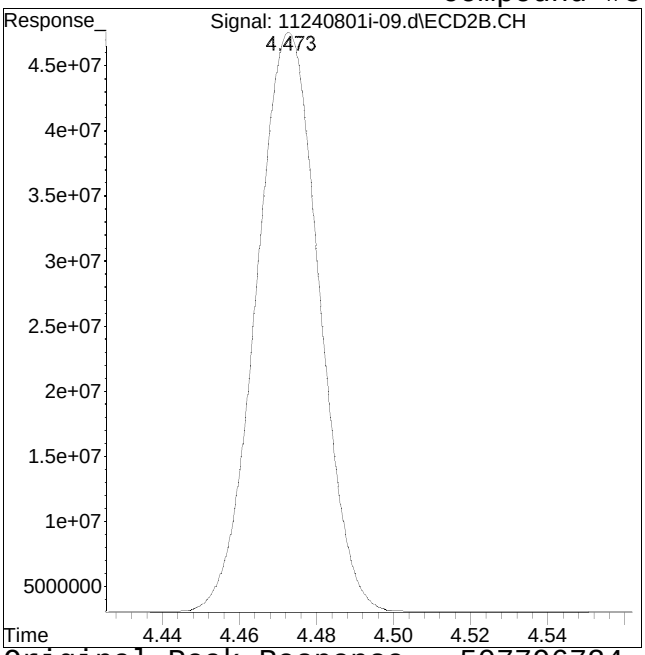


Original Peak Response = 580857613 Manual Peak Response = 579091961 M4
M4 = Poor automated baseline construction.

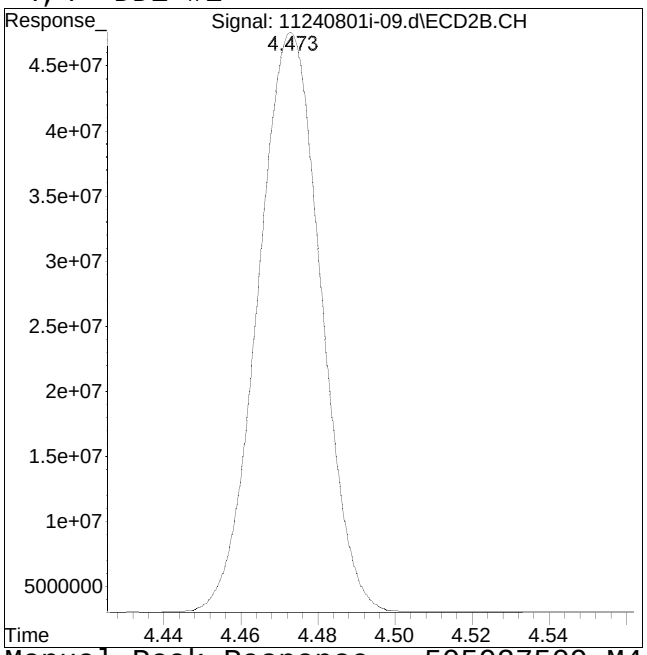
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0 Quant Date : 8/2/2024 9:03 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 507796724



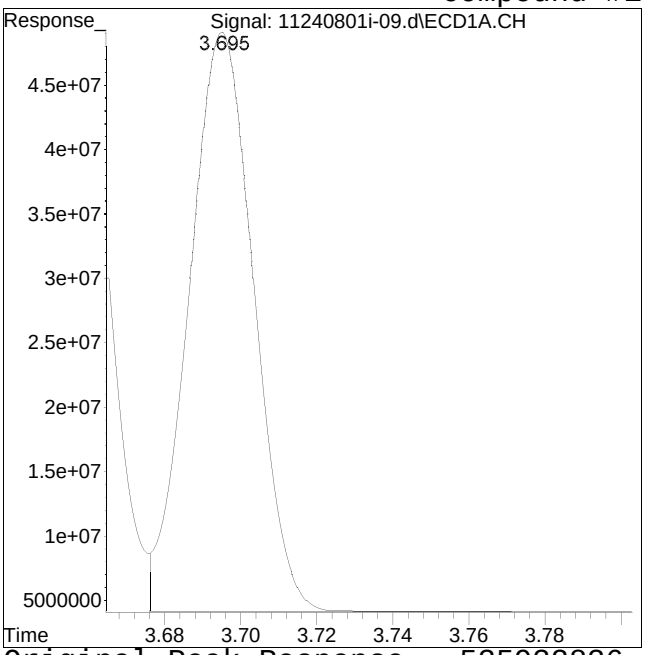
Manual Peak Response = 505927509 M4

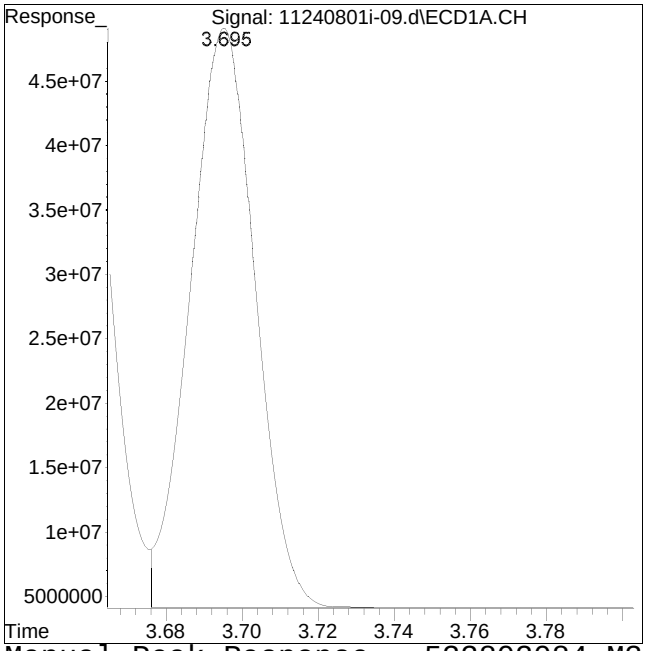
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #16: Endosulfan I





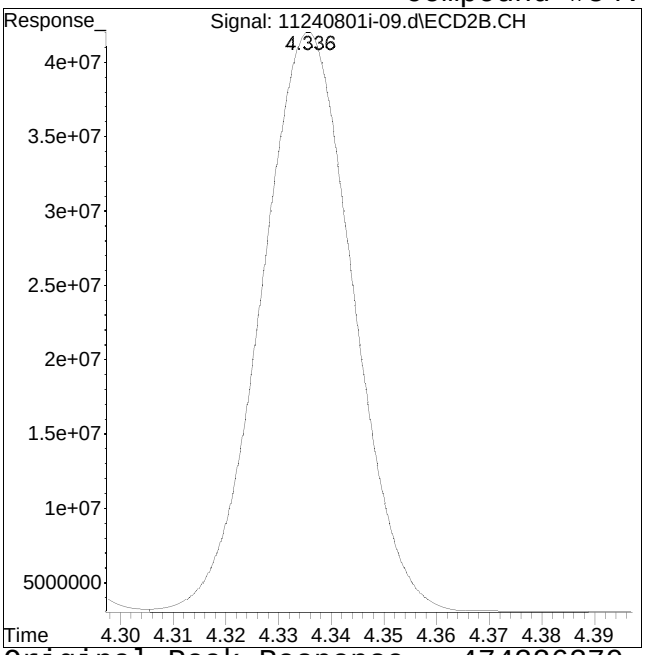
Original Peak Response = 535932836 Manual Peak Response = 533803084 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

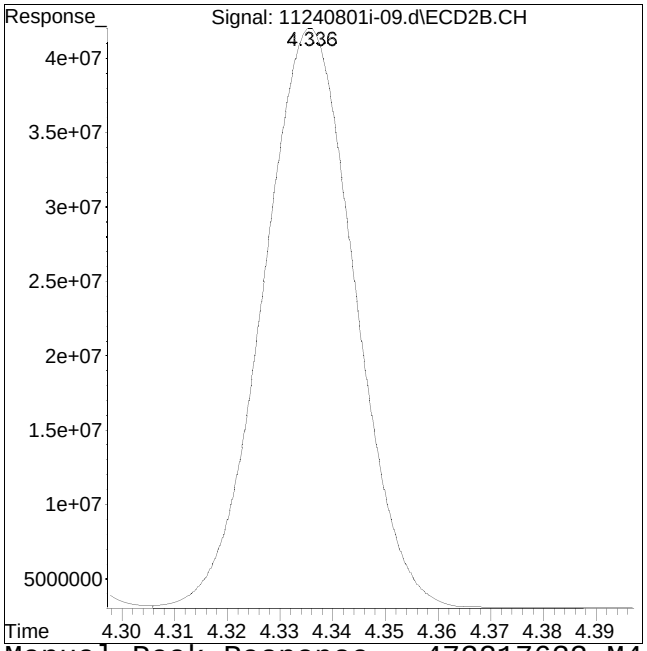
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #54: Endosulfan I #2



Original Peak Response = 474326370



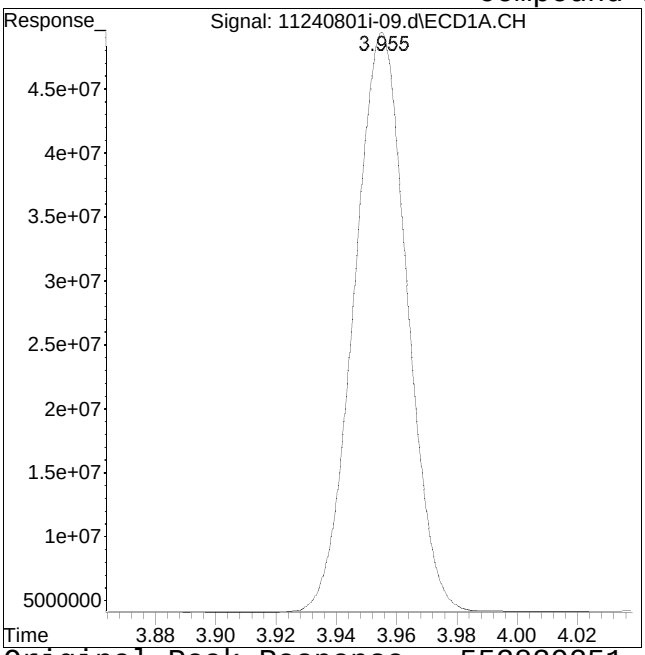
Manual Peak Response = 473217633 M4

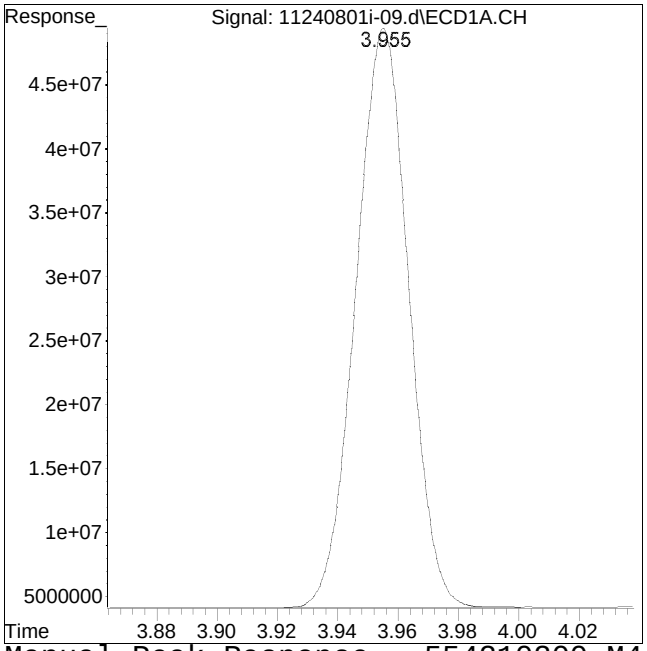
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #17: Dieldrin



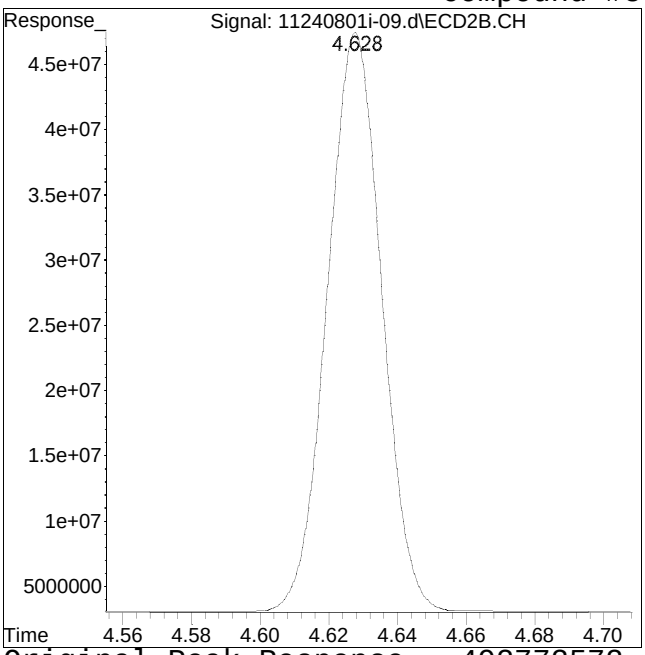


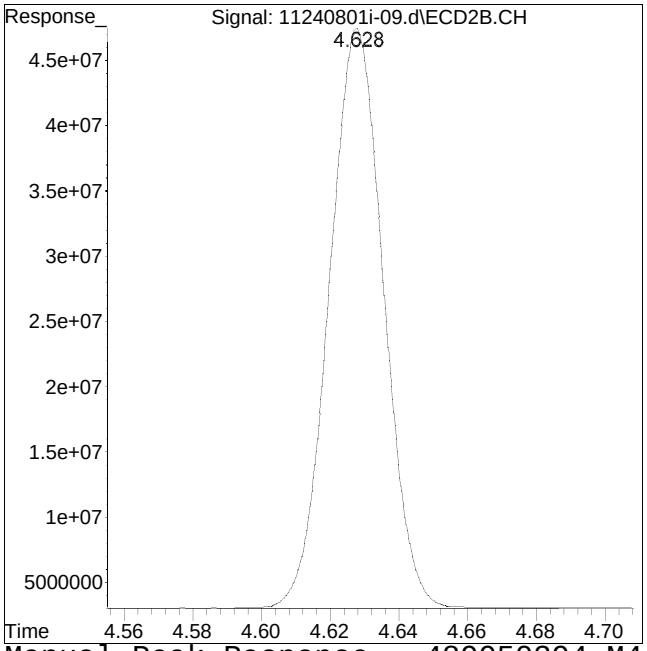
Original Peak Response = 553839251 Manual Peak Response = 554210200 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #55: Dieldrin #2





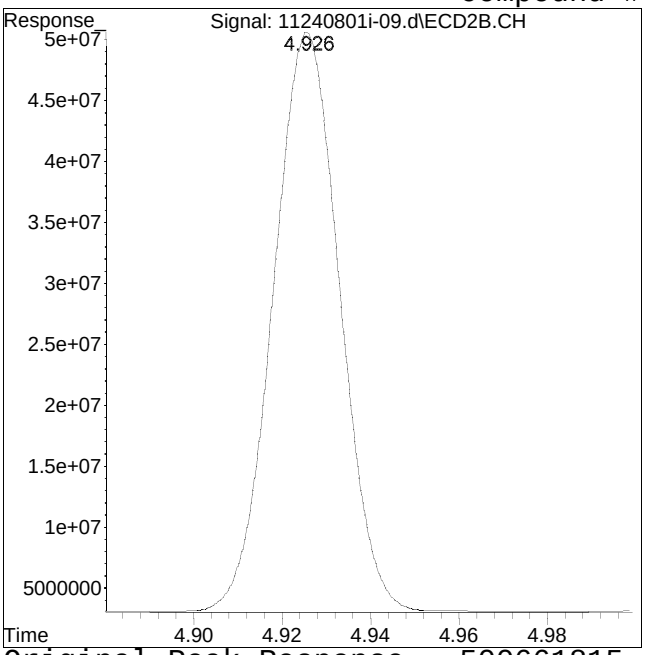
Original Peak Response = 492772572 Manual Peak Response = 489950394 M4
M4 = Poor automated baseline construction.

Manual Integration Report

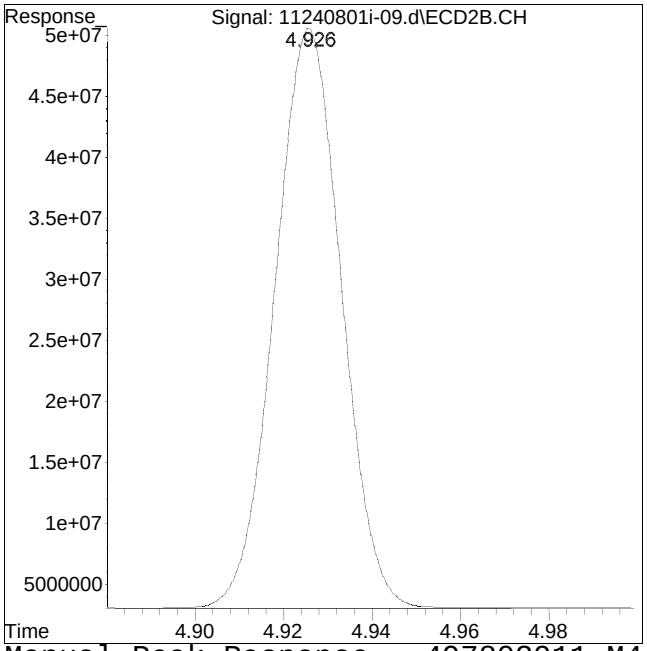
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #56: Endrin #2



Original Peak Response = 500661815



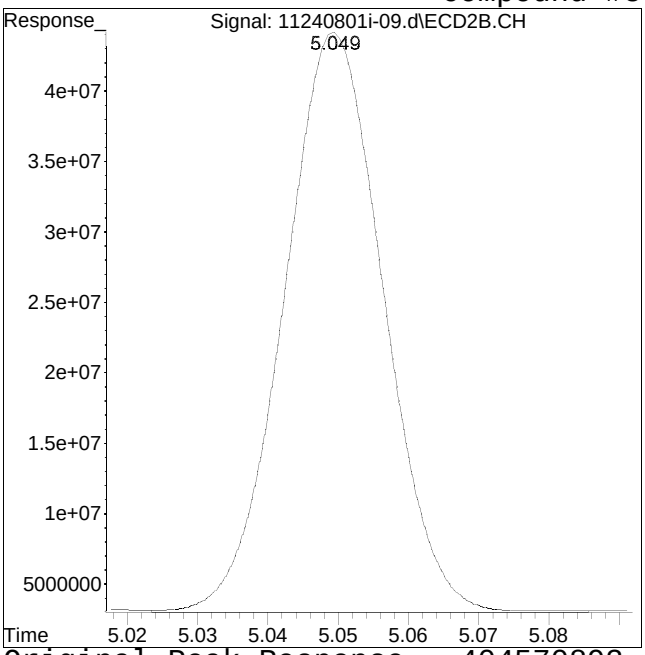
Manual Peak Response = 497803911 M4

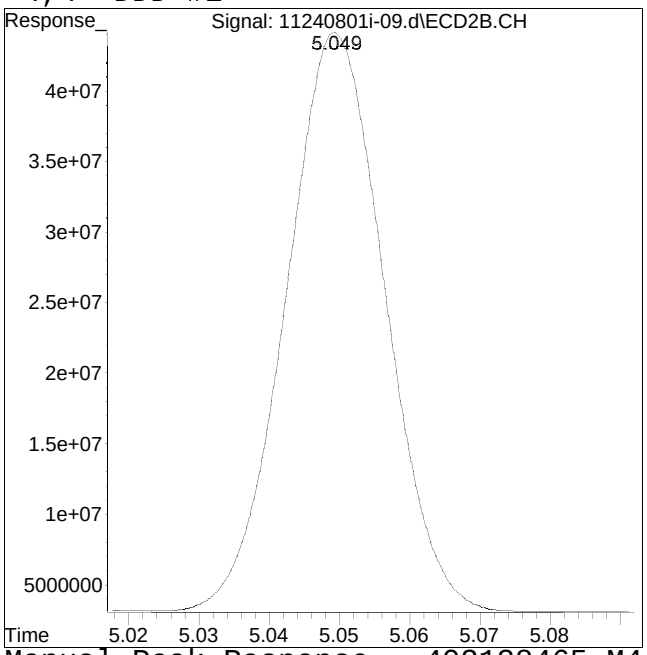
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #57: 4,4'-DDD #2



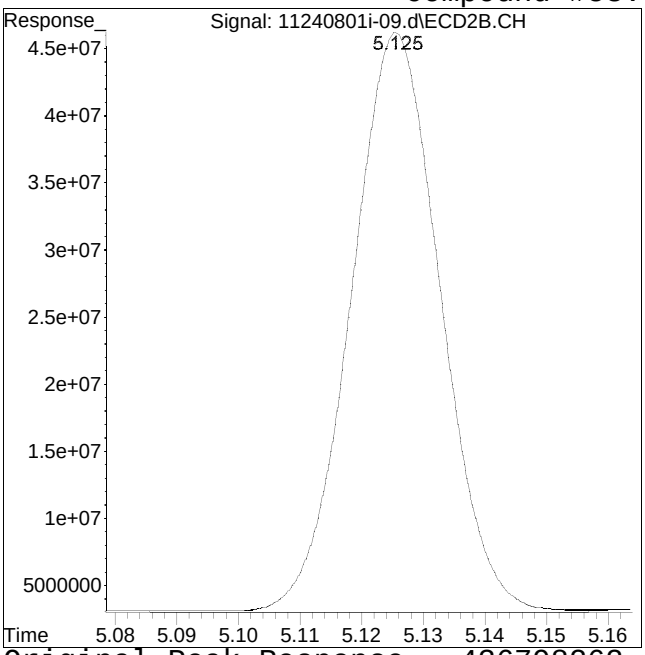


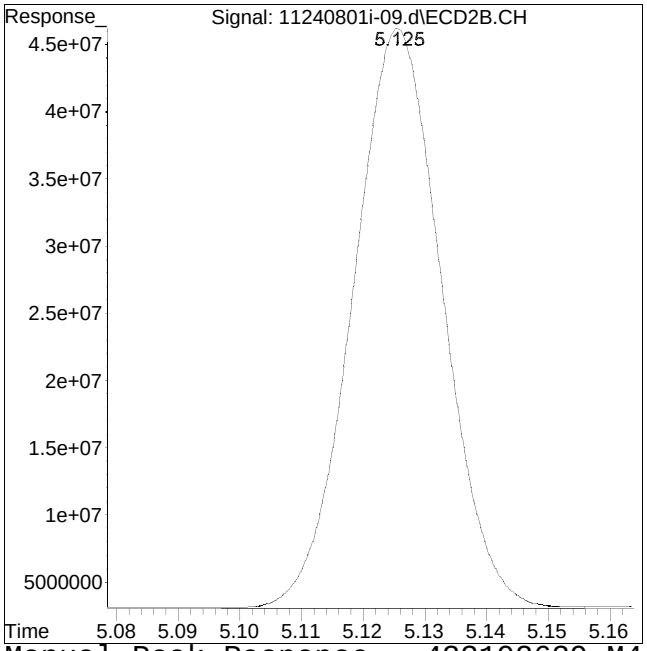
Original Peak Response = 404570893 Manual Peak Response = 402138465 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #58: Endosulfan II #2





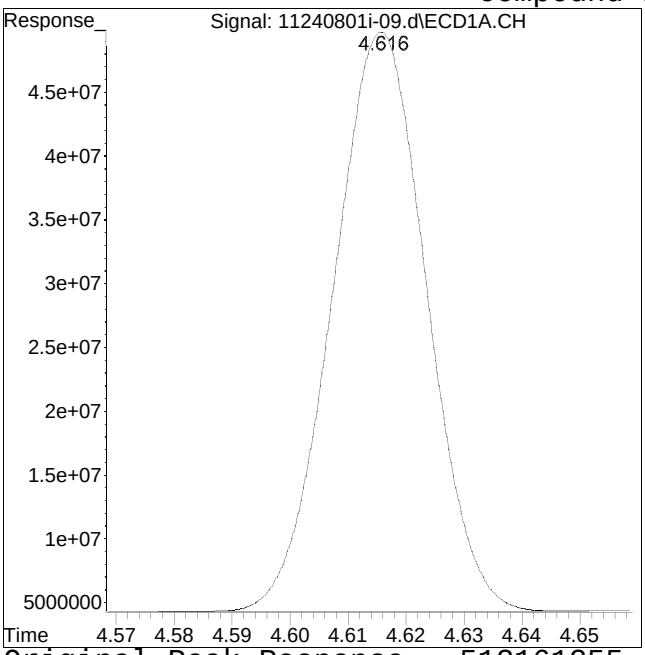
Original Peak Response = 436798262 Manual Peak Response = 433192639 M4
M4 = Poor automated baseline construction.

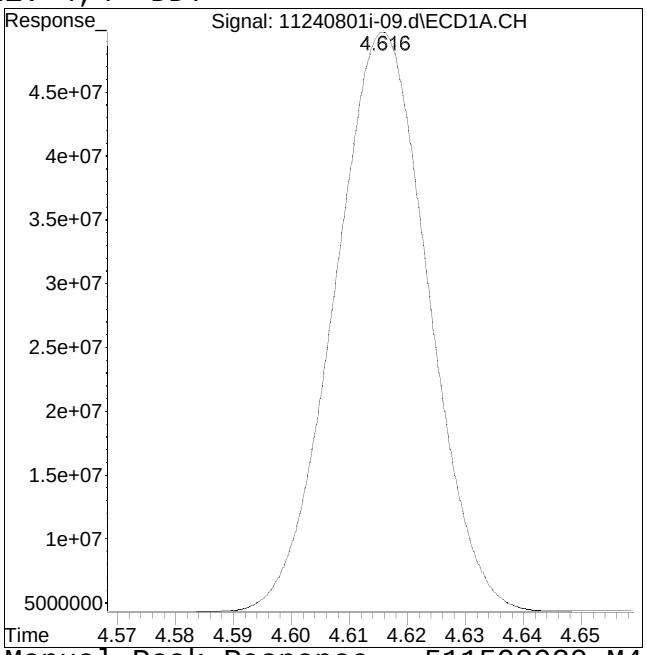
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #21: 4,4'-DDT



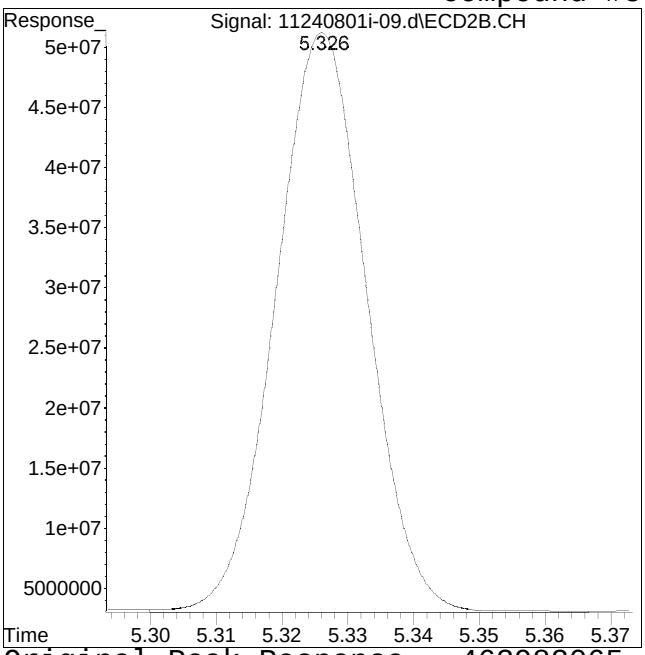


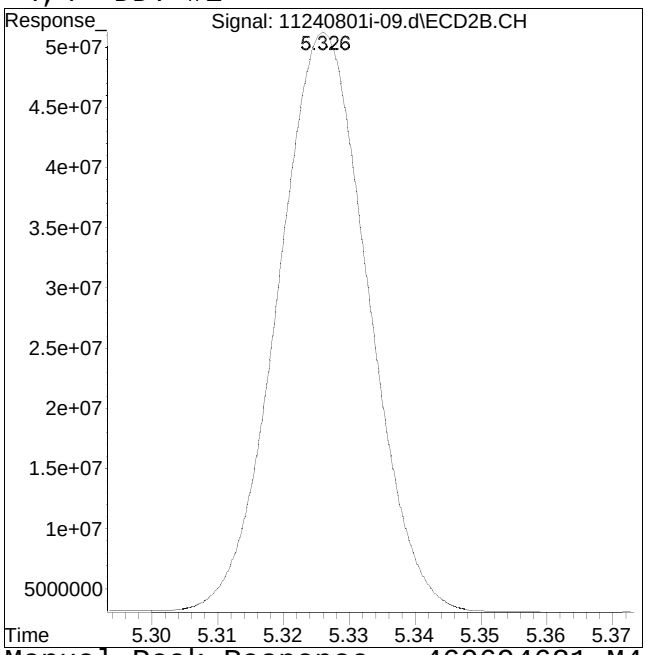
Original Peak Response = 512161255 Manual Peak Response = 511508920 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #59: 4,4'-DDT #2



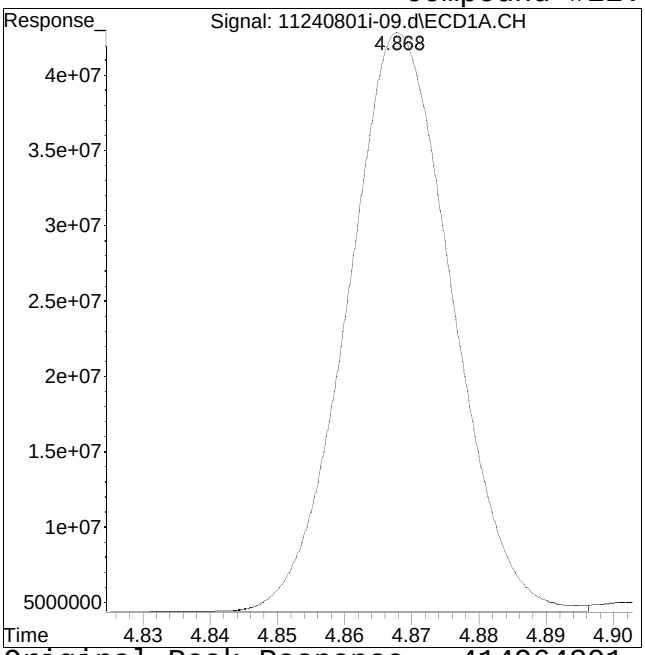


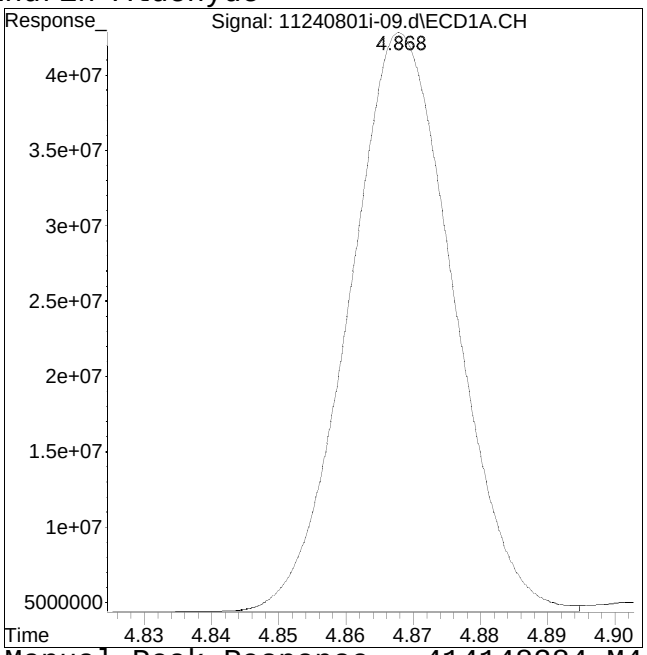
Original Peak Response = 463982065 Manual Peak Response = 460694621 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #22: Endrin Aldehyde



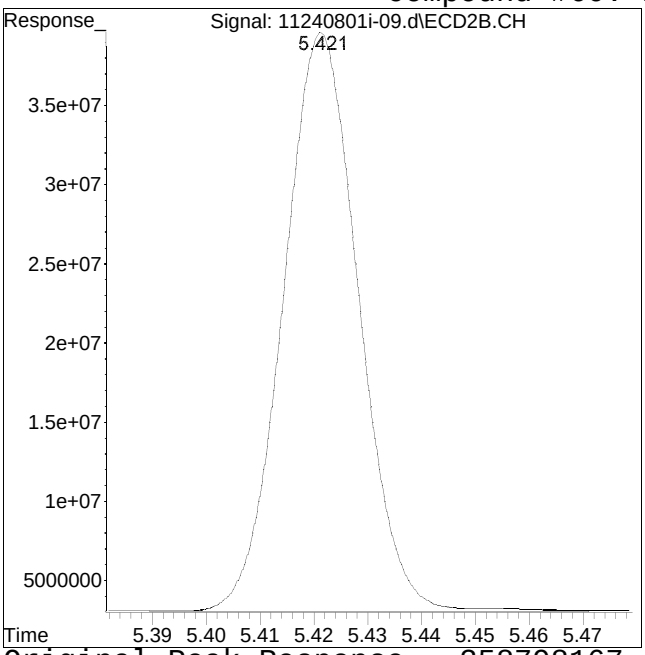


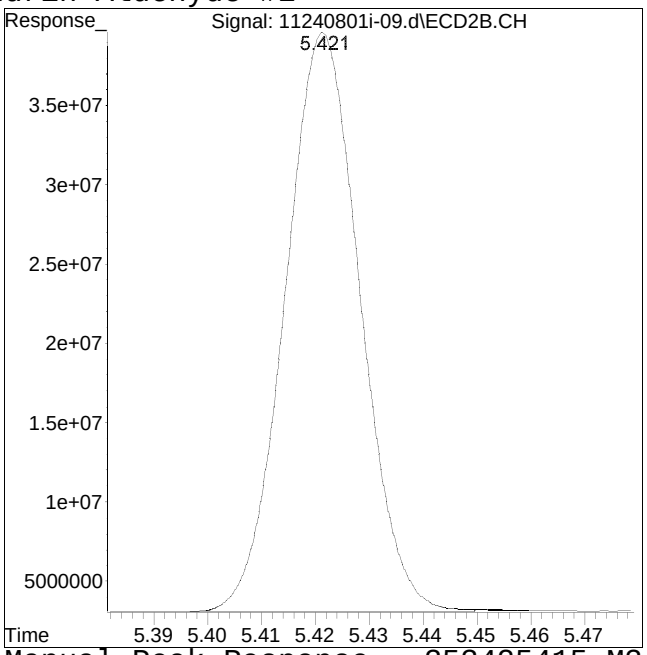
Original Peak Response = 414964301 Manual Peak Response = 414148384 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 358798167 Manual Peak Response = 353425415 M3

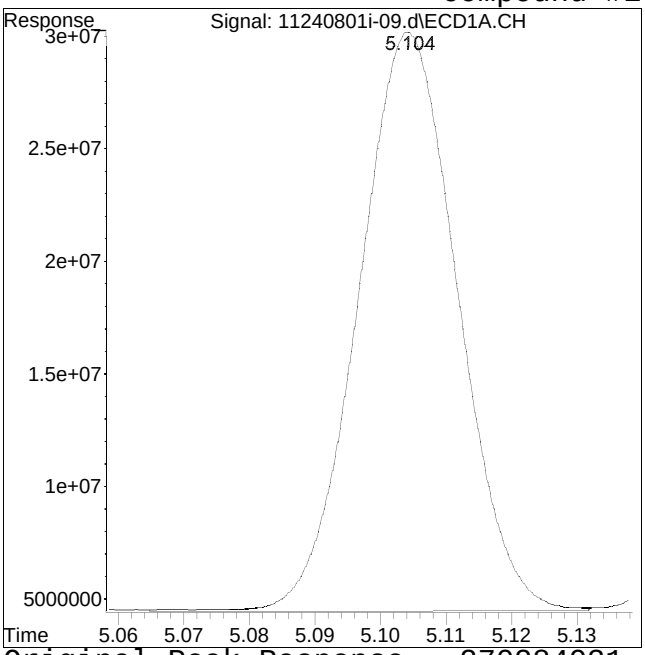
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

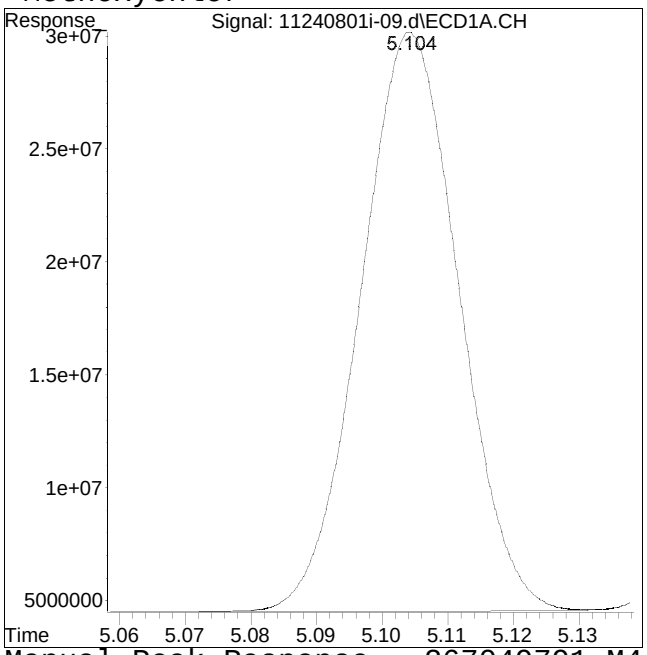
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #23: Methoxychlor



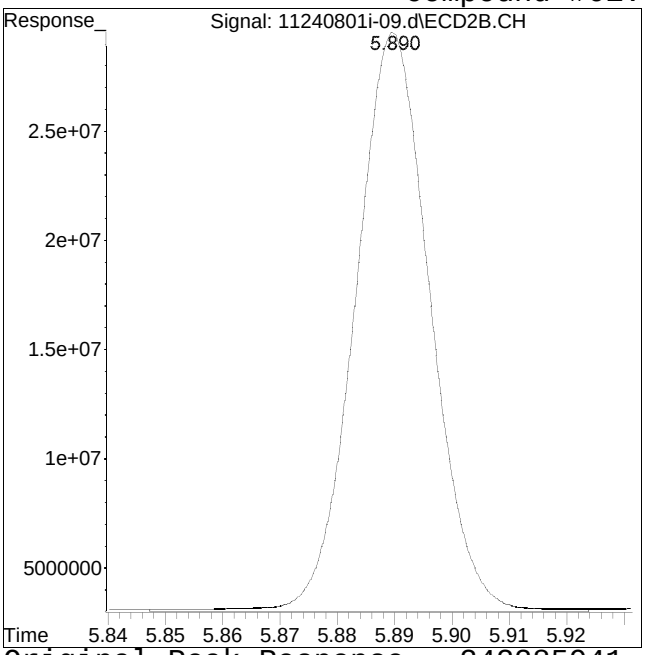


Original Peak Response = 270284931 Manual Peak Response = 267049791 M4
M4 = Poor automated baseline construction.

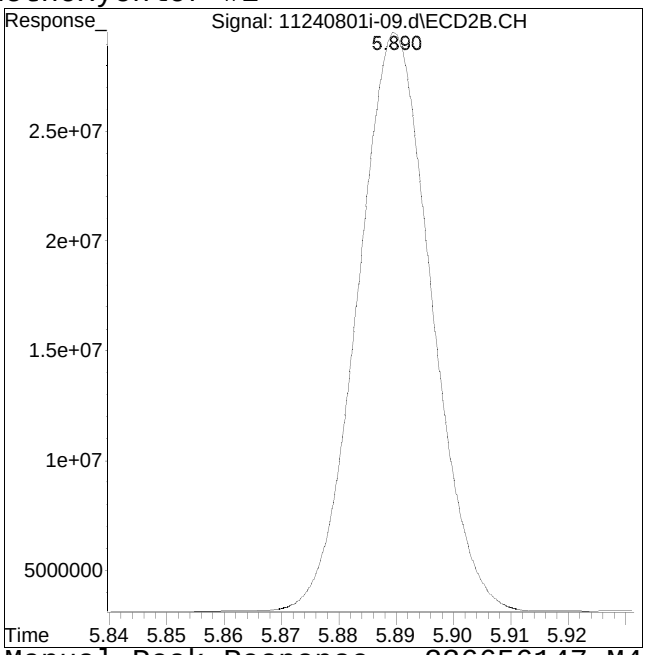
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #61: Methoxychlor #2



Original Peak Response = 242285941



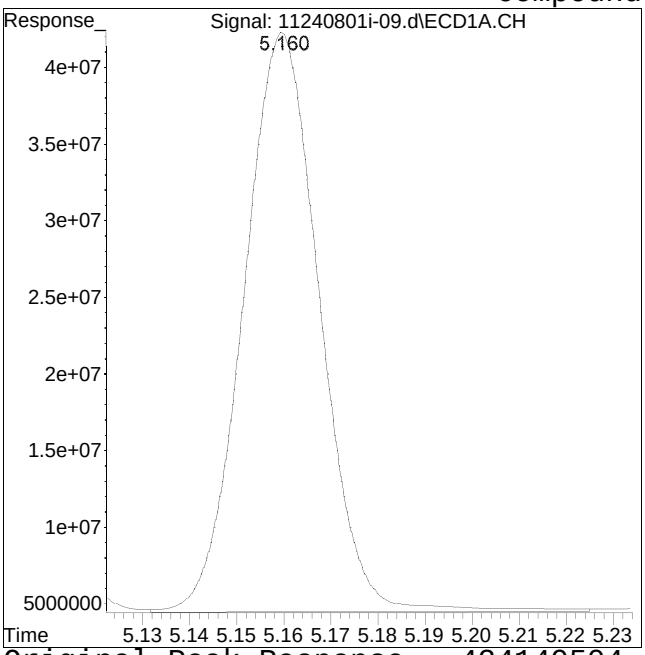
Manual Peak Response = 236656147 M4

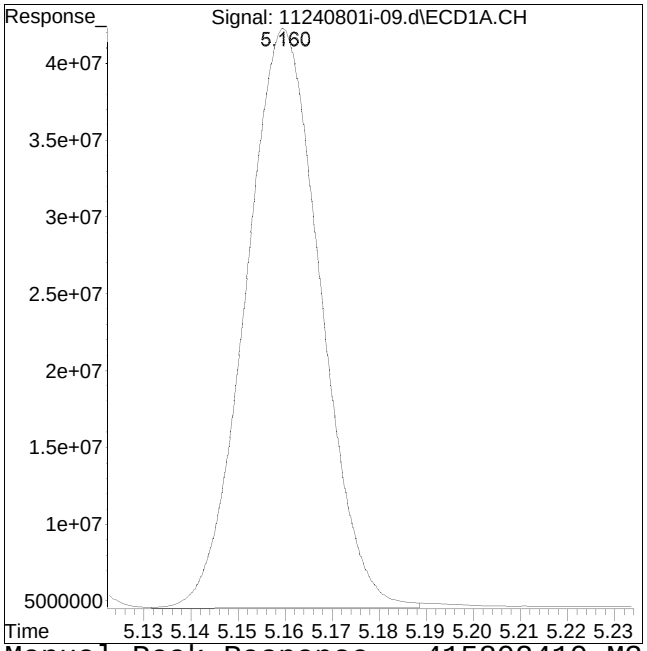
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #24: Mirex





Original Peak Response = 424149504 Manual Peak Response = 415802410 M3

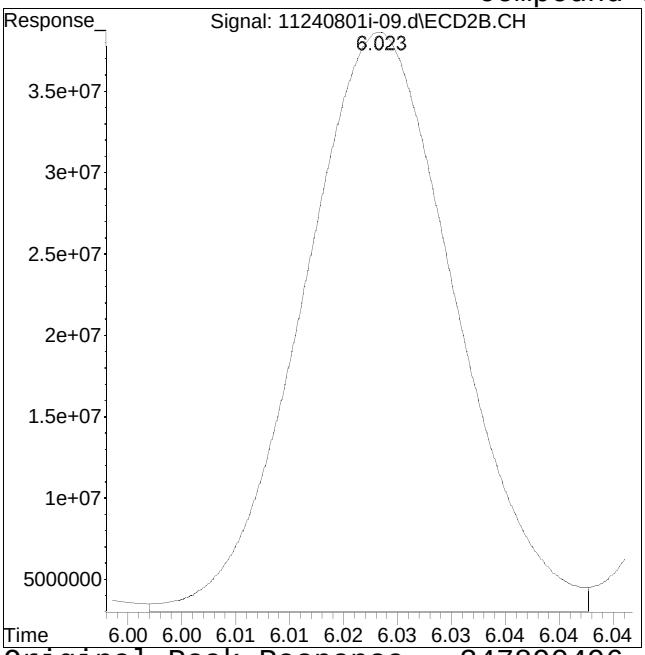
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

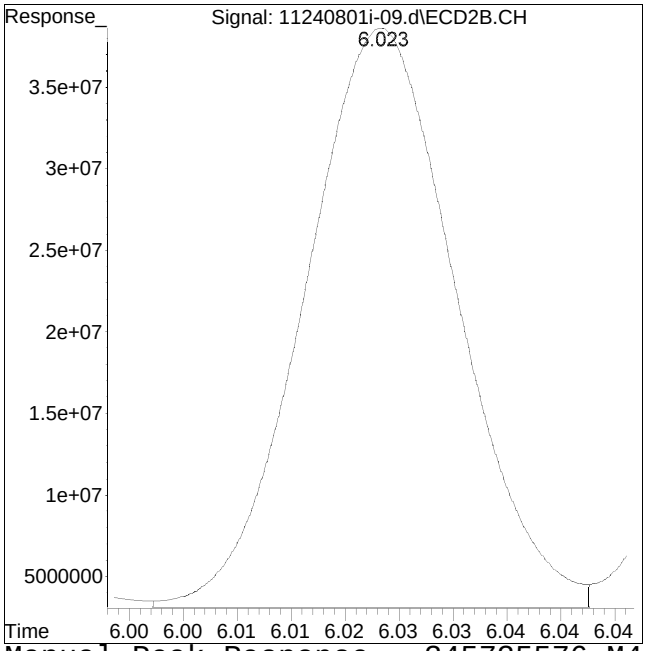
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #62: Mirex #2



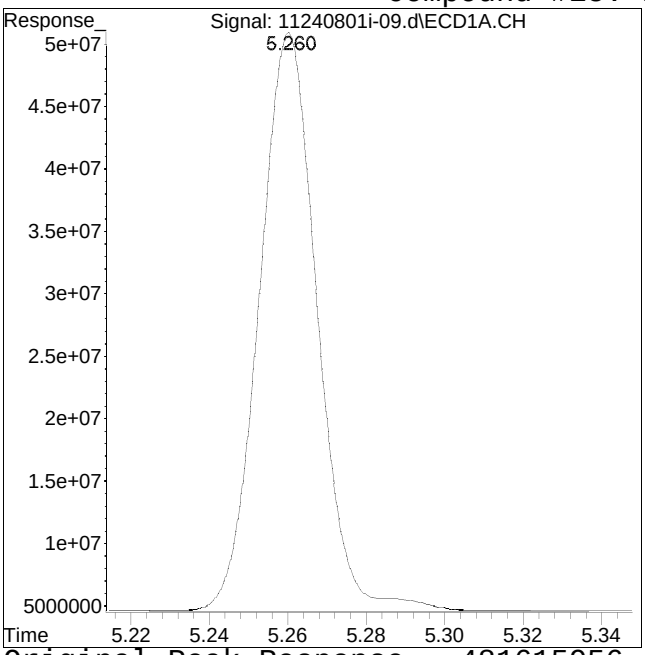


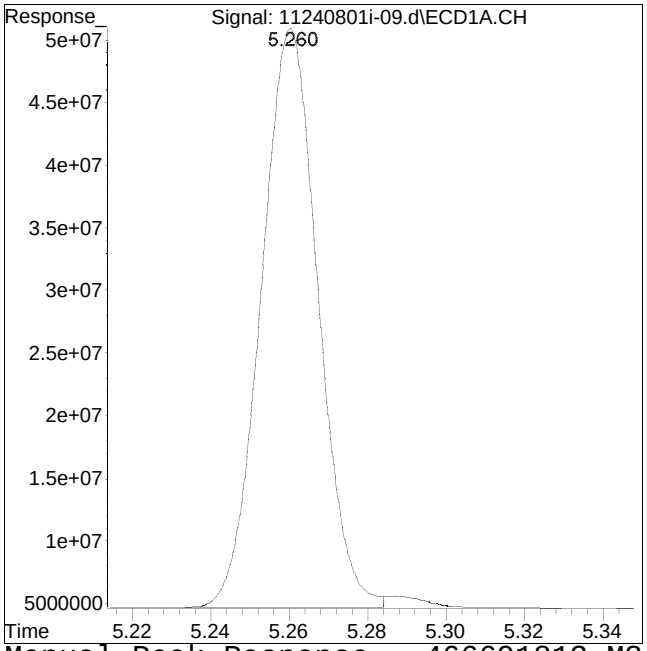
Original Peak Response = 347890496 Manual Peak Response = 345735576 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #25: Endosulfan Sulfate



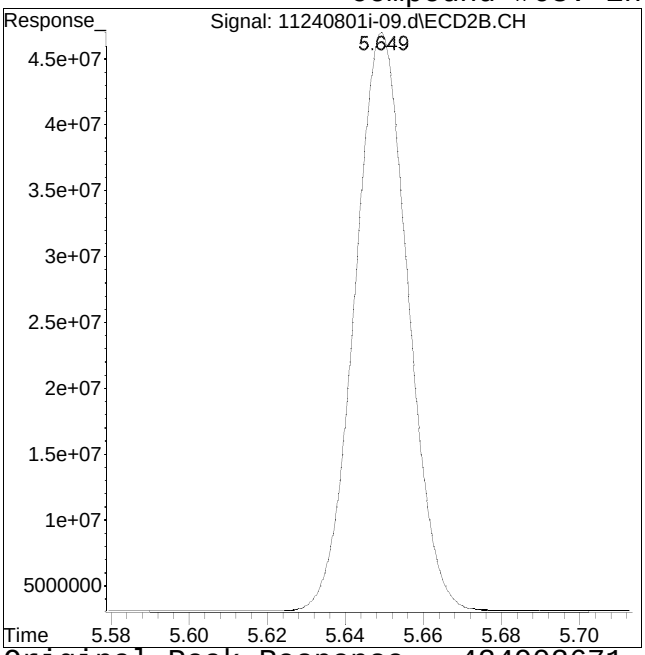


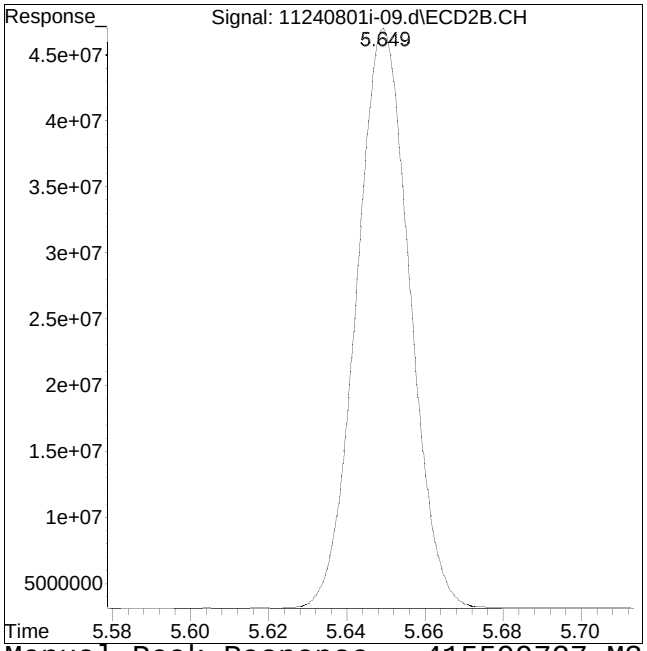
Original Peak Response = 481615956 Manual Peak Response = 466691813 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #63: Endosulfan Sulfate #2



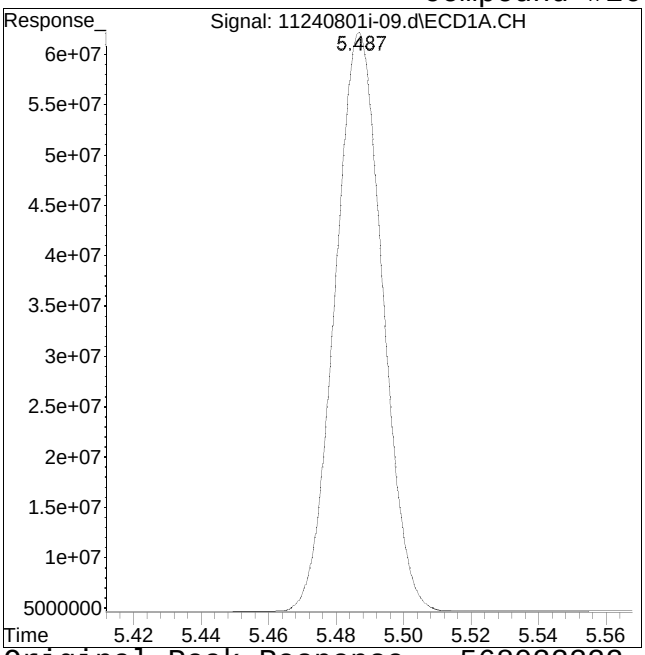


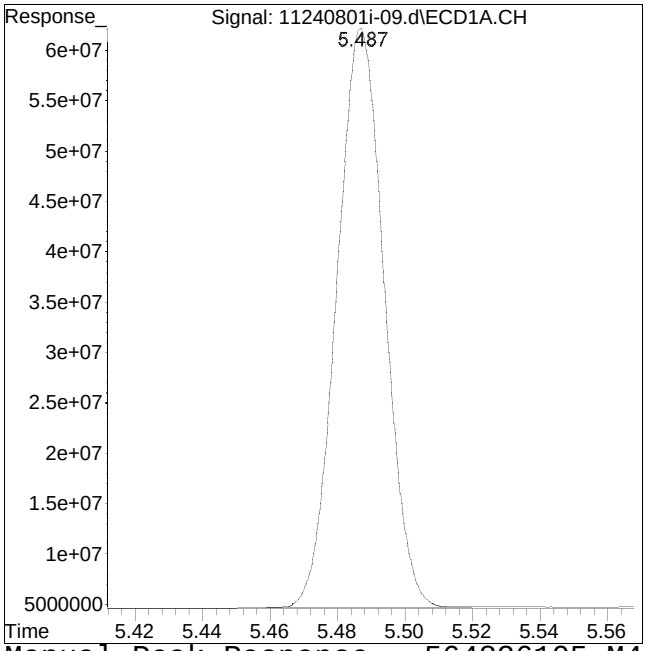
Original Peak Response = 424902671 Manual Peak Response = 415599727 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #26: Endrin Ketone



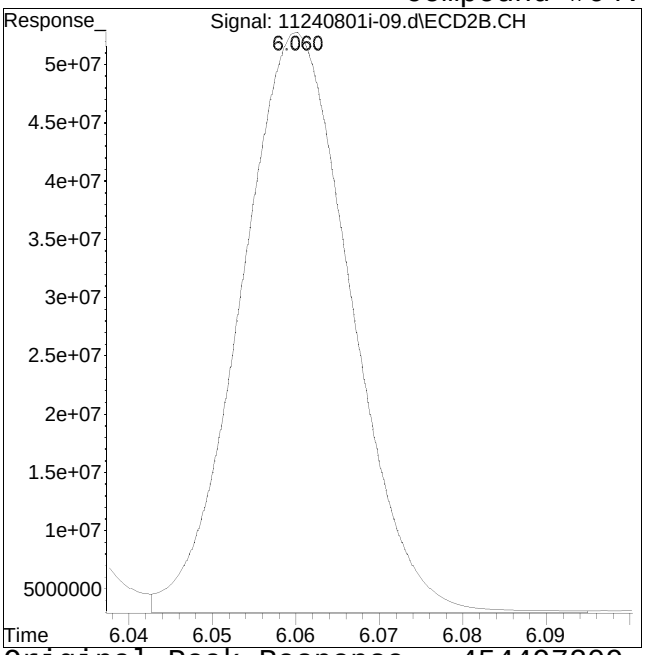


Original Peak Response = 568032322 Manual Peak Response = 564826105 M4
M4 = Poor automated baseline construction.

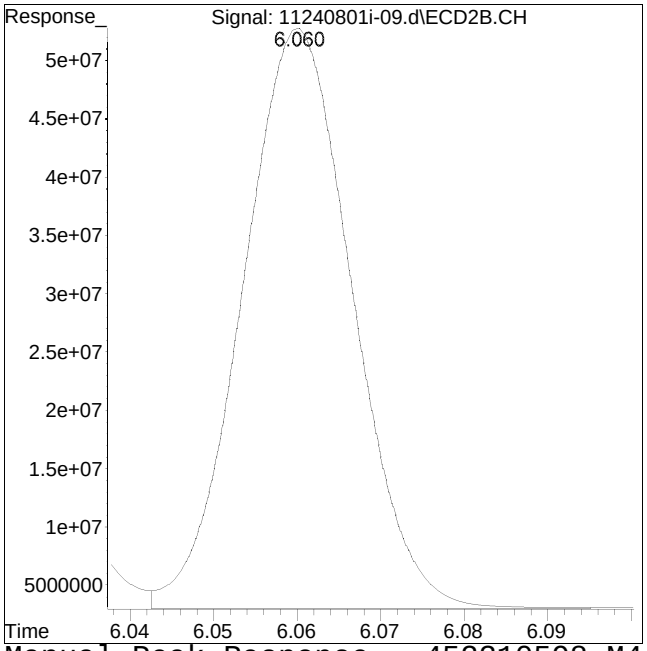
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #64: Endrin Ketone #2



Original Peak Response = 454497209



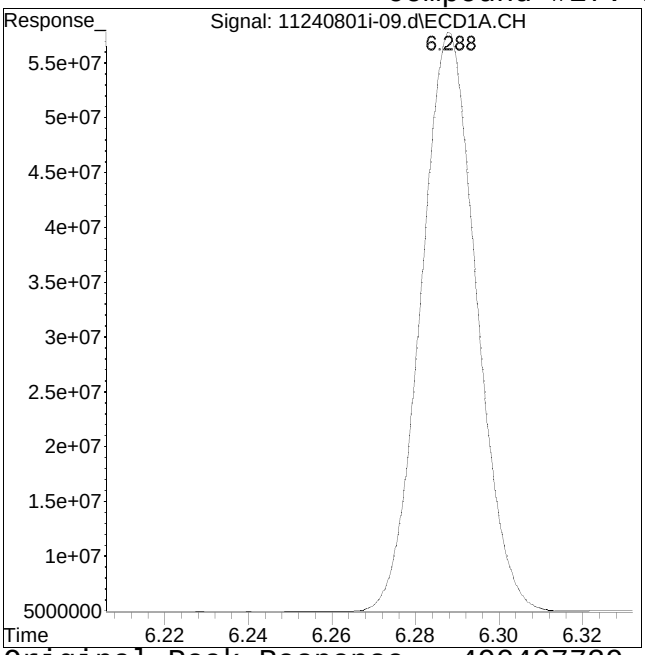
Manual Peak Response = 452310598 M4

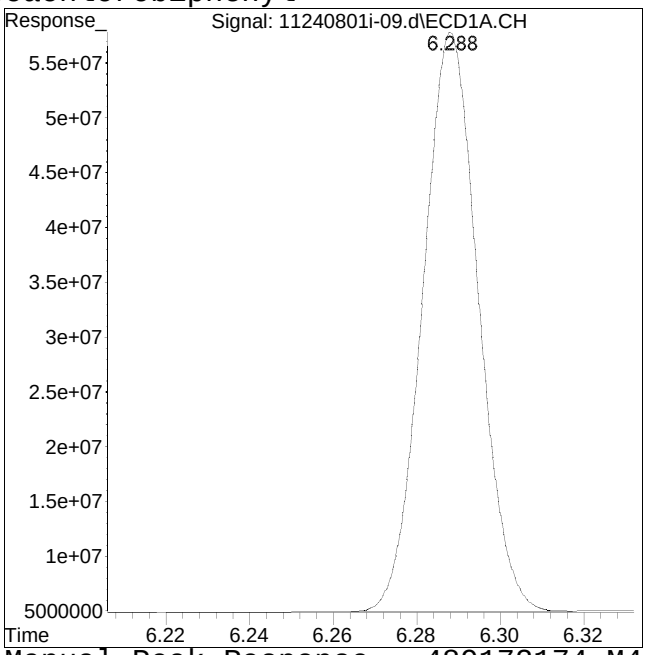
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-09.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 19:49 Instrument : Pest 11
Sample : il8pest,42e,,pp 11681 L0.0Quant Date : 8/2/2024 9:03 am

Compound #27: Decachlorobiphenyl



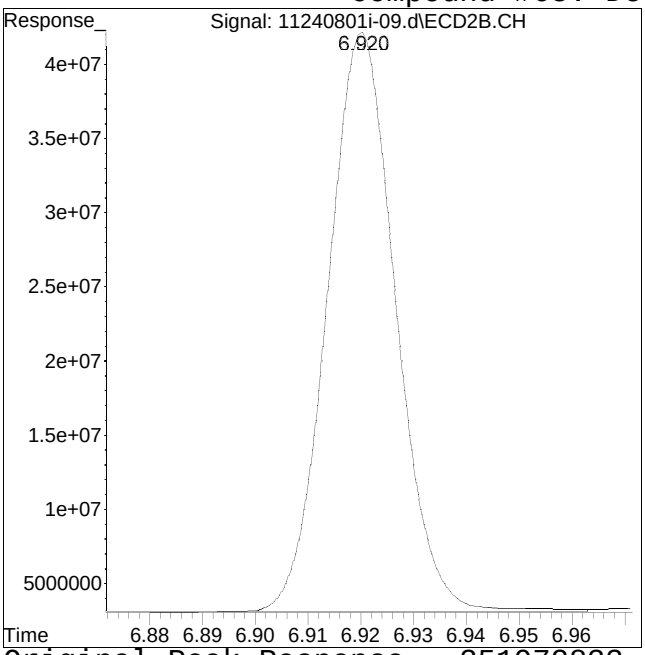


Original Peak Response = 490497739 Manual Peak Response = 489172174 M4
M4 = Poor automated baseline construction.

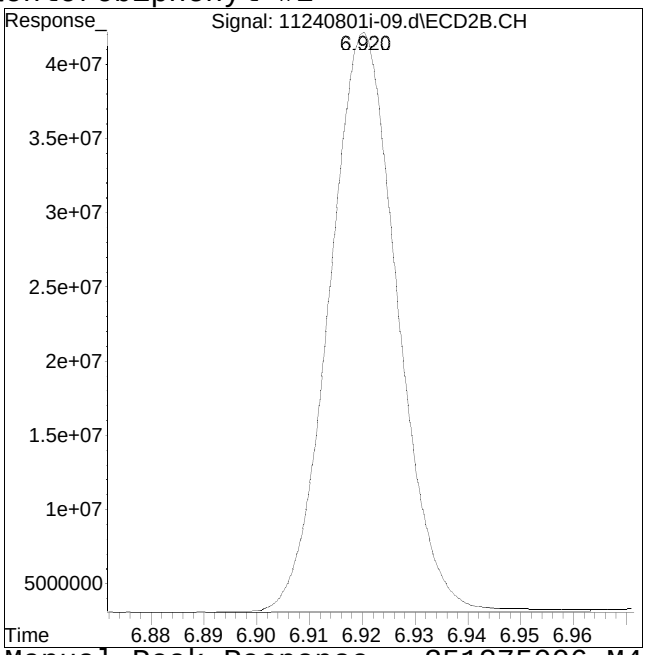
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-09.d
Date Inj'd : 8/1/2024 19:49
Sample : il8pest,42e,,pp 11681 L0.0
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:03 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 351972833



Manual Peak Response = 351375006 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.385	228.9E6	186.0E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	978.0E6	793.9E6	102.526M3	98.316M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		205.05%#	196.63%#
27) s	Decachlorobi	6.287	6.920	966.4E6	693.4E6	101.892M4	99.592M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		203.78%#	199.18%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	1254.4E6	852.0E6	101.913M3	99.956M4
4) t	alpha-BHC	1.963	2.271	1517.1E6	1291.2E6	104.962M3	102.929M3
5) t	gamma-BHC (l	2.165	2.556	1395.5E6	1162.9E6	104.626M4	102.486M4
6) t	beta-BHC	2.221	2.622	569.7E6	475.2E6	102.483M3	99.416M4
7) t	delta-BHC	2.349	2.889	1415.2E6	1188.9E6	105.152M4	103.238M4
8) t	Heptachlor	2.513	2.952	1281.7E6	1164.2E6	103.113M4	100.742
9) t	Aldrin	2.756	3.271	1234.2E6	1093.2E6	104.739M4	102.495
10) t	Alachlor	2.876	3.153	202.3E6	136.5E6	97.935M4	93.096M4
11) t	Chlorpyrifos	2.968	3.506	476.2E6	520.8E6	96.581M4	95.072

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.301	3.884	1132.0E6	1013.1E6	102.826M4	100.688M4
13)	t	gamma-Chlord	3.425	4.104	1037.3E6	931.1E6	105.142M4	102.239M4
14)	t	alpha-Chlord	3.559	4.274	1167.6E6	1027.5E6	104.255M3	101.638
15)	t	4,4'-DDE	3.657	4.473	1188.4E6	1034.3E6	105.852	103.171M4
16)	t	Endosulfan I	3.695	4.336	1073.0E6	944.4E6	103.673M3	100.715
17)	t	Dieldrin	3.955	4.627	1129.5E6	992.5E6	105.119M3	102.230M3
18)	t	Endrin	4.210	4.925	1134.9E6	1004.3E6	103.955M4	101.809M4
19)	t	4,4'-DDD	4.321	5.049	929.4E6	823.1E6	106.236M4	103.291M4
20)	t	Endosulfan I	4.451	5.125	1017.3E6	866.0E6	103.751	100.883M4
21)	t	4,4'-DDT	4.616	5.326	1043.2E6	939.1E6	105.189M4	102.870M4
22)	t	Endrin Aldeh	4.868	5.421	836.3E6	707.4E6	104.157M3	101.016M3
23)	t	Methoxychlor	5.104	5.890	519.3E6	461.0E6	100.292M4	98.297M4
24)	t	Mirex	5.160	6.023	822.7E6	677.1E6	102.053M4	98.827M4
25)	t	Endosulfan S	5.260	5.649	939.0E6	830.0E6	103.773M3	100.783M3
26)	t	Endrin Keton	5.487	6.060	1123.4E6	898.2E6	102.585M4	100.220M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

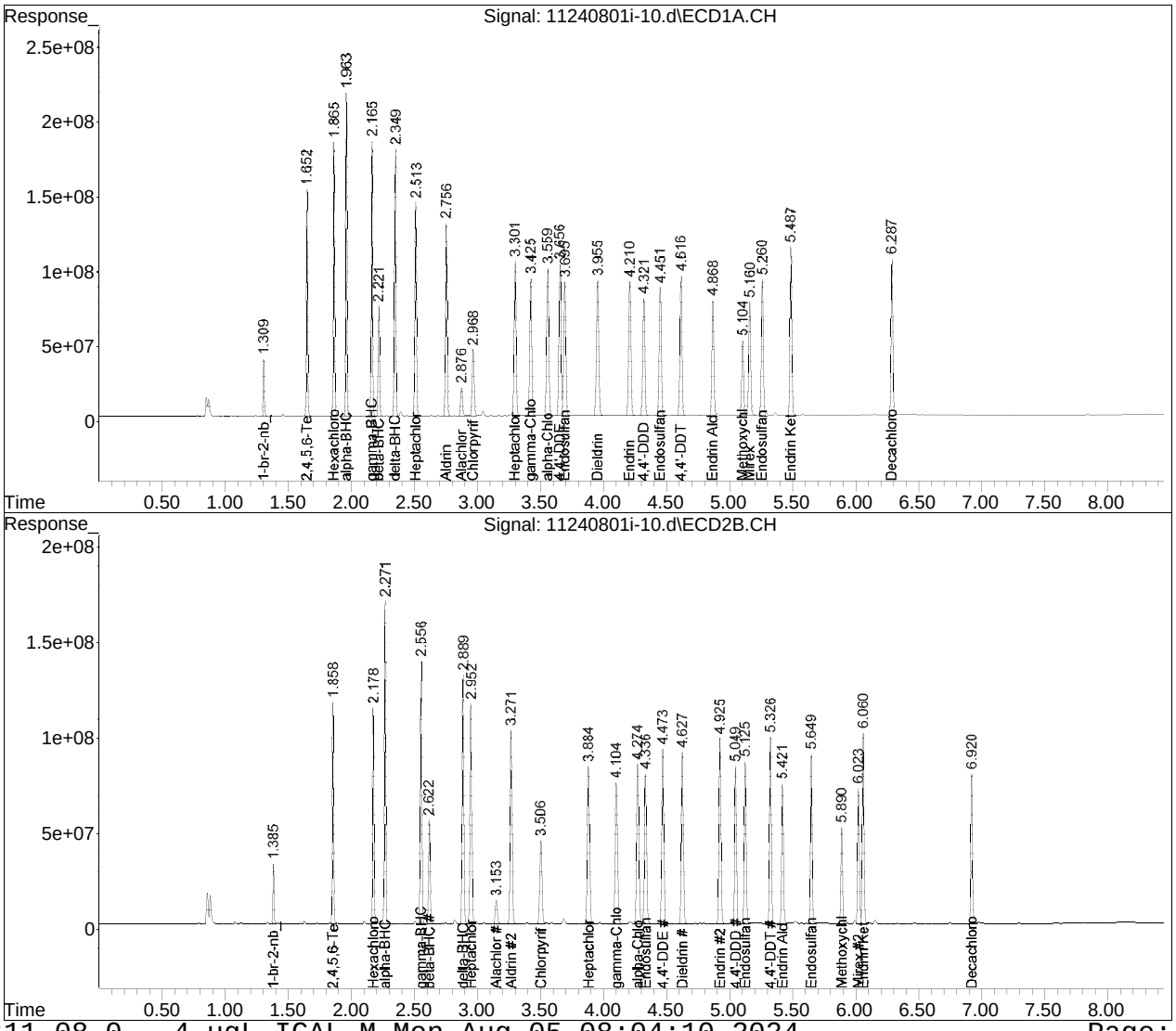
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:01
Operator : PEST11:ejl
Sample : il9pest,42e,,pp 11680 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:10:53 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:10:44 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

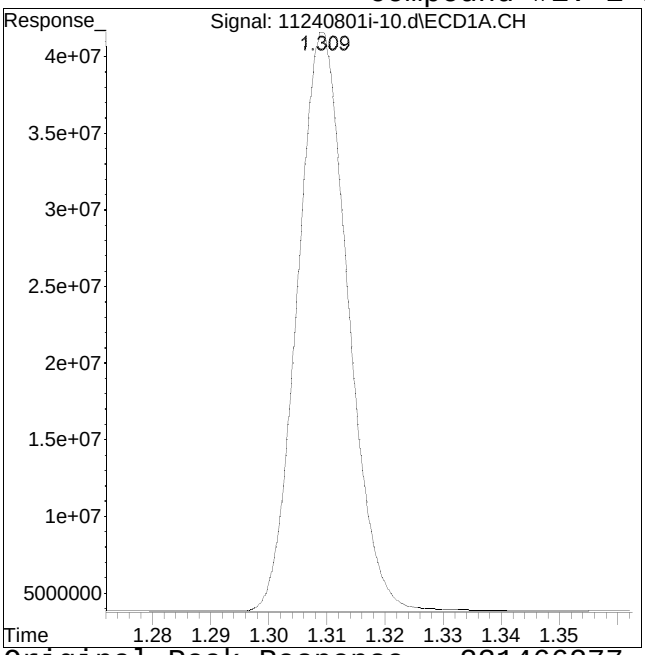


Manual Integration Report

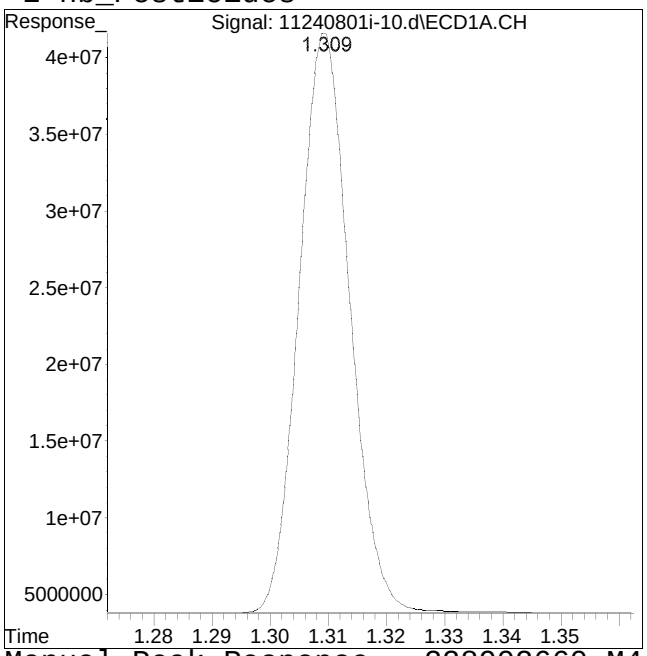
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 231466277



Manual Peak Response = 228902660 M4

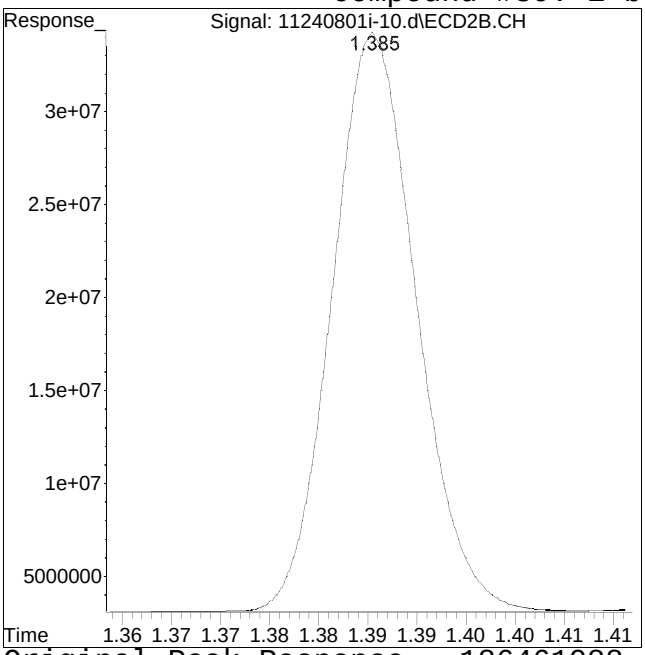
M4 = Poor automated baseline construction.

Manual Integration Report

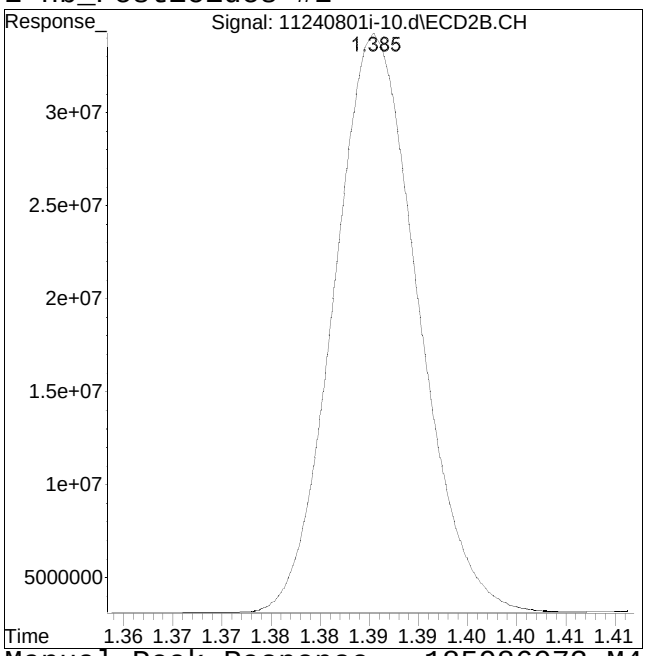
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 186461988



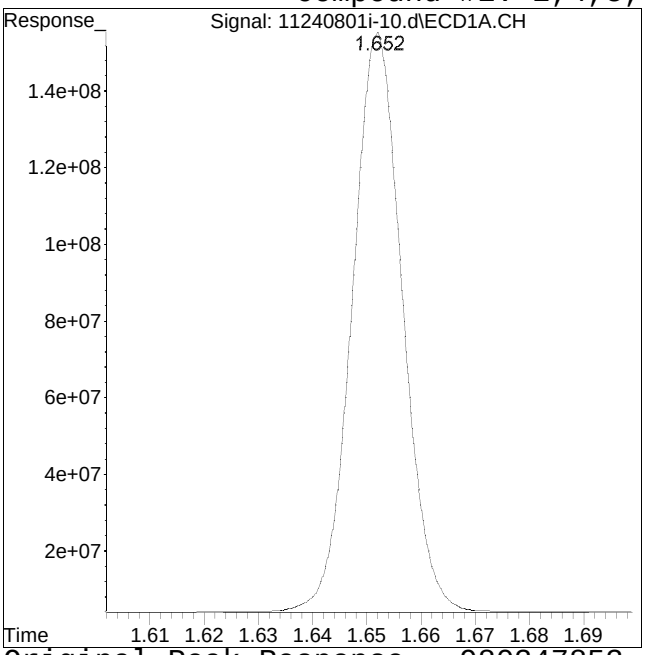
Manual Peak Response = 185986073 M4

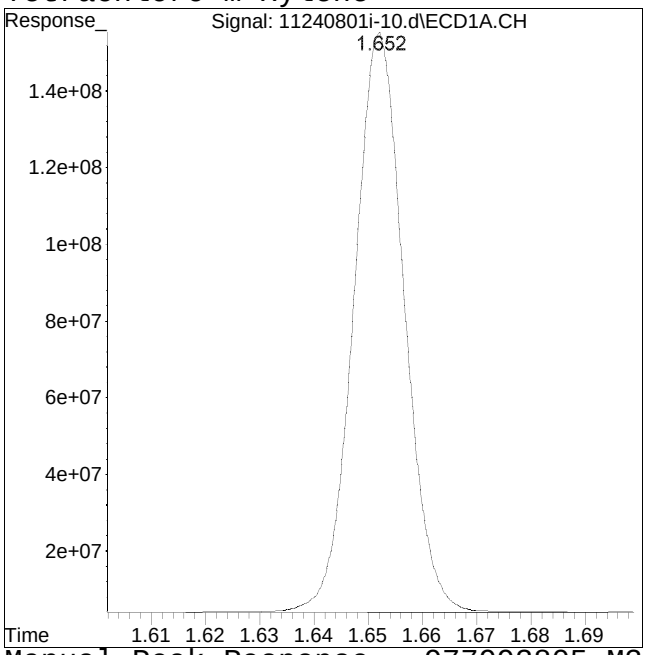
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



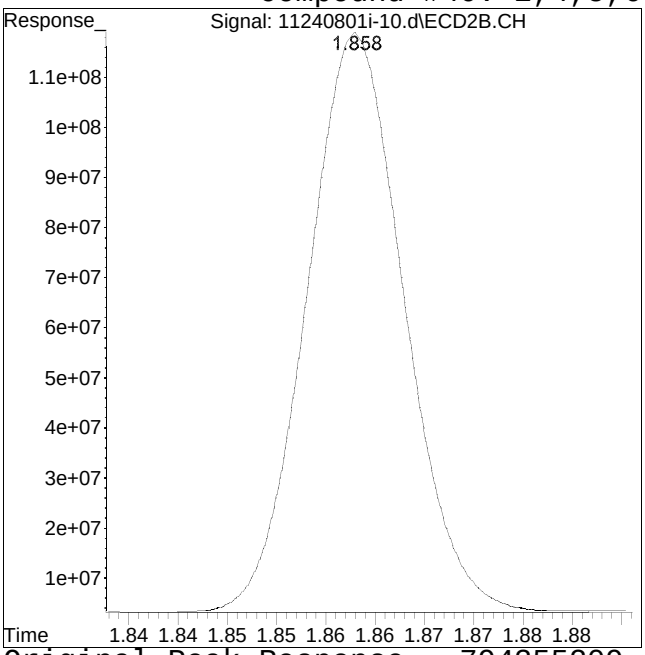


Original Peak Response = 980347853 Manual Peak Response = 977993805 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

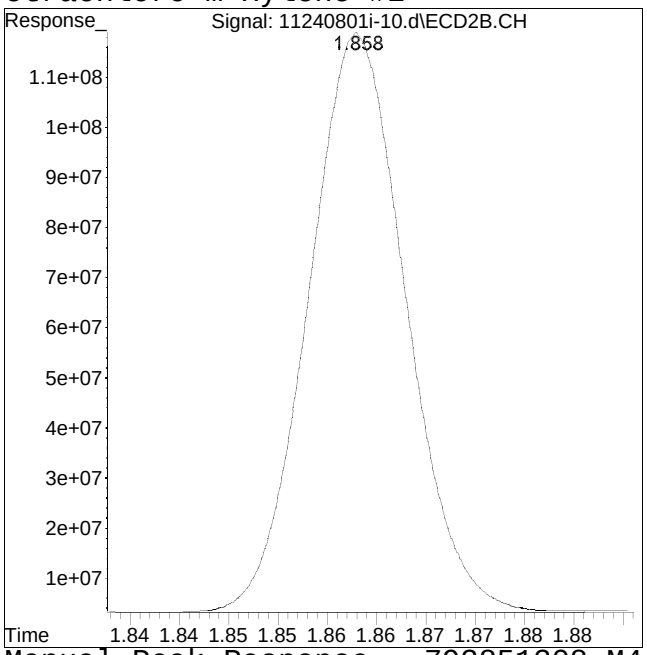
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 794355209



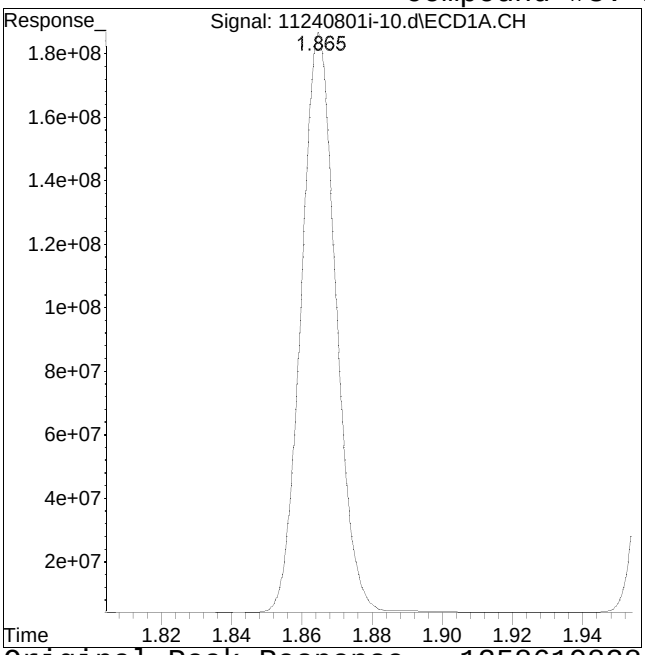
Manual Peak Response = 793851308 M4

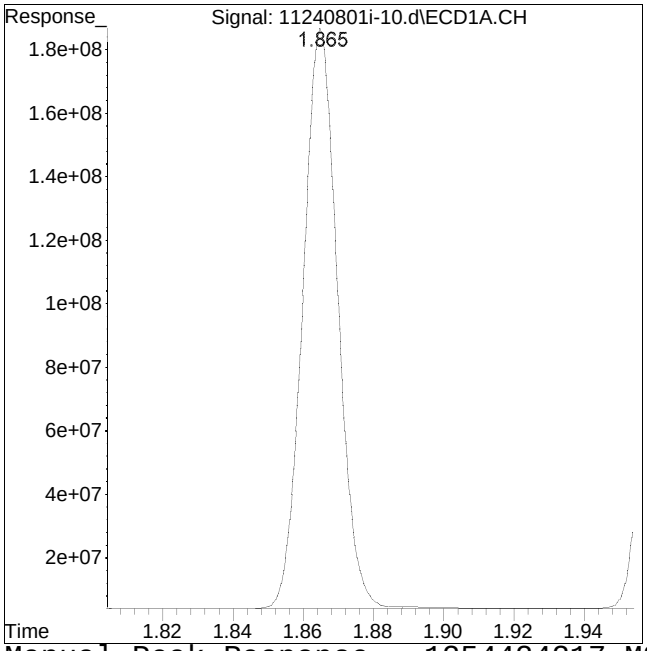
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1 Quant Date : 8/2/2024 9:10 am

Compound #3: Hexachlorobenzene



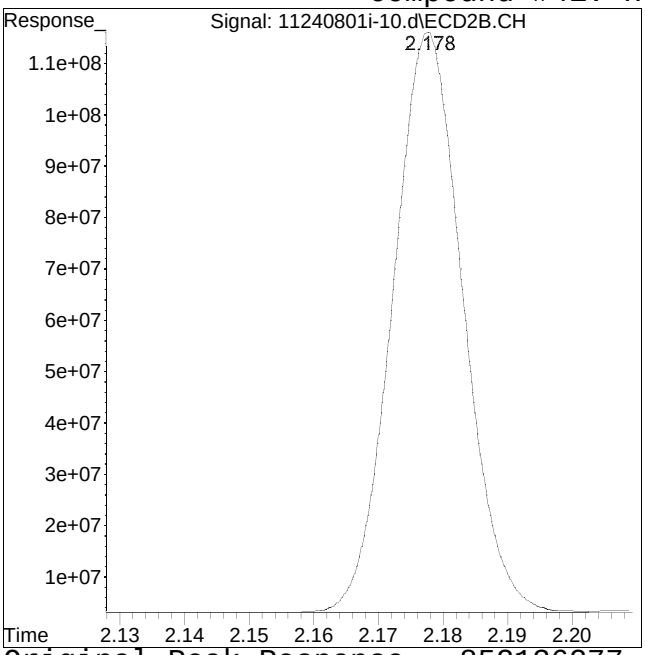


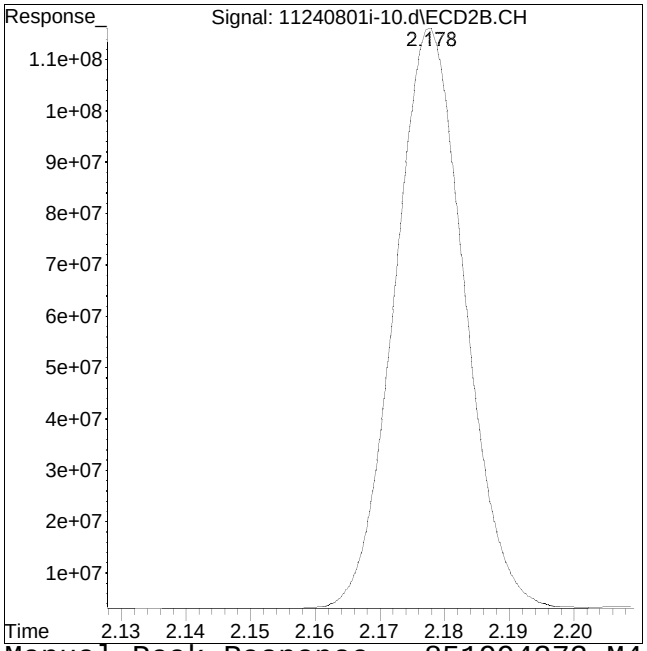
Original Peak Response = 1258619828 Manual Peak Response = 1254424217 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #41: Hexachlorobenzene #2





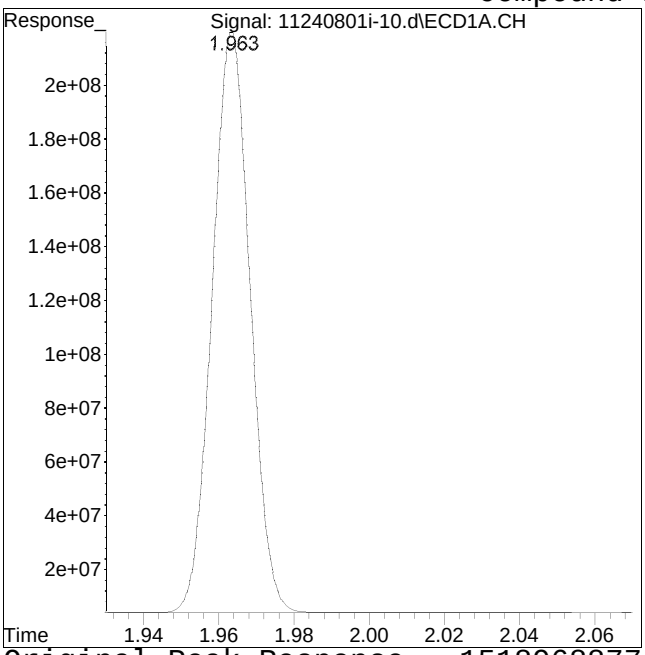
Original Peak Response = 852136277 Manual Peak Response = 851994373 M4
M4 = Poor automated baseline construction.

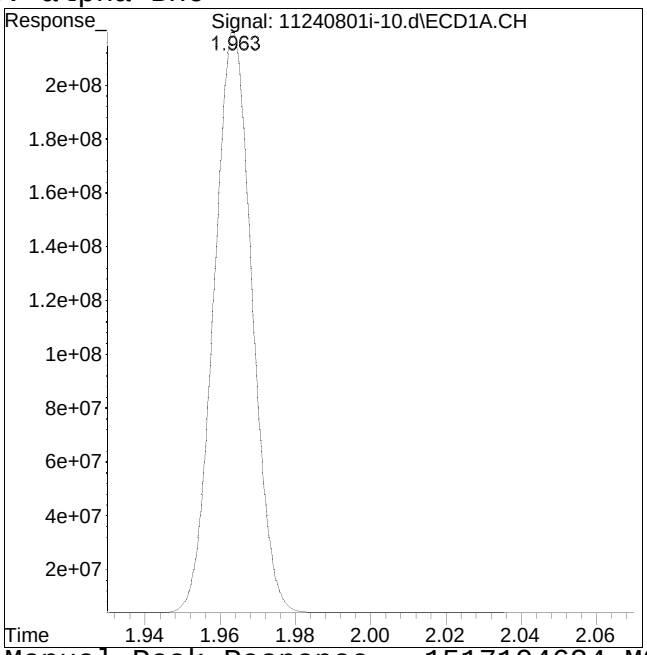
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #4: alpha-BHC



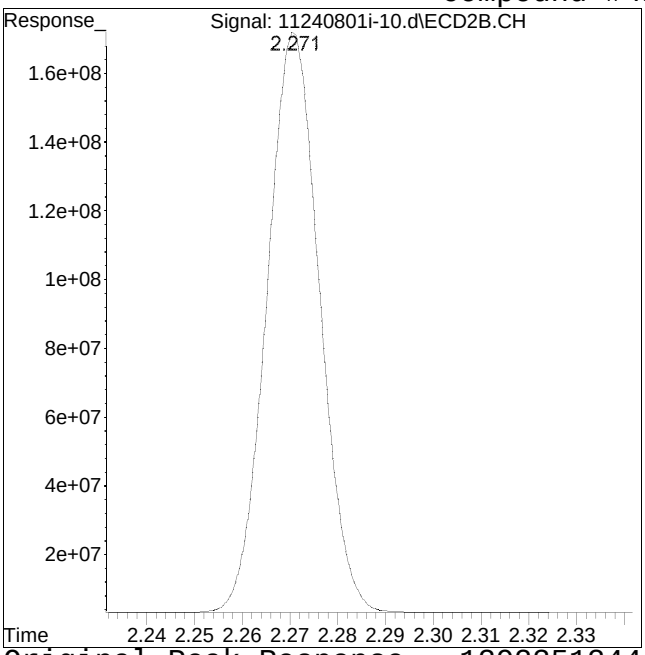


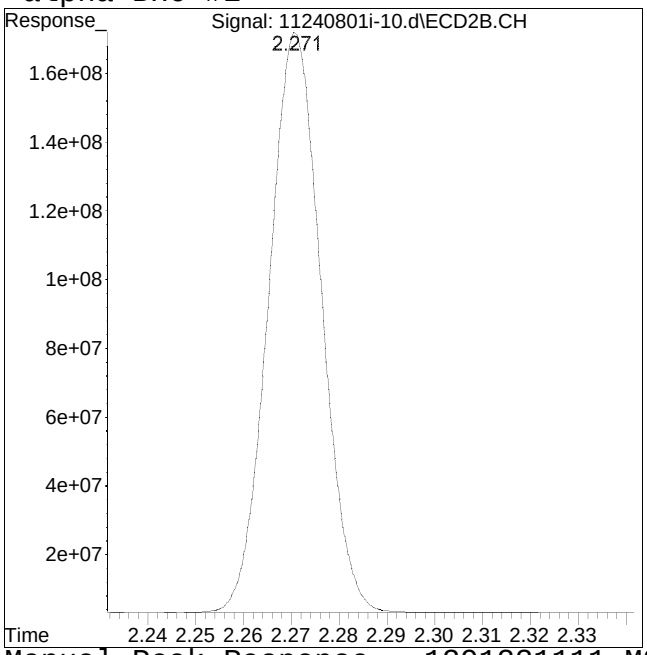
Original Peak Response = 1518968877 Manual Peak Response = 1517104624 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1 Quant Date : 8/2/2024 9:10 am

Compound #42: alpha-BHC #2





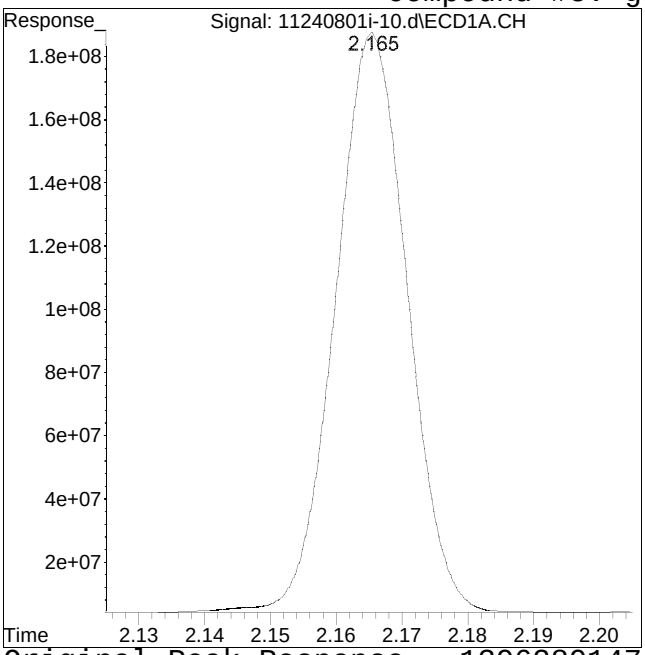
Original Peak Response = 1292351244 Manual Peak Response = 1291231111 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

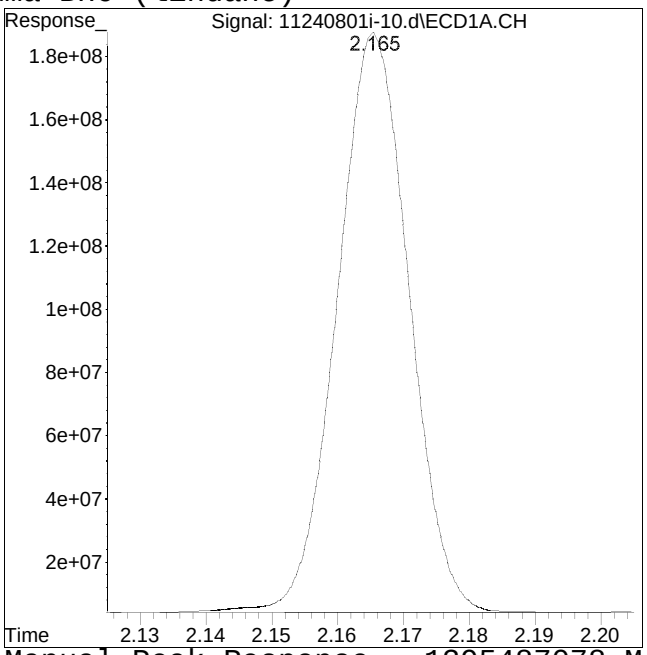
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #5: gamma-BHC (lindane)





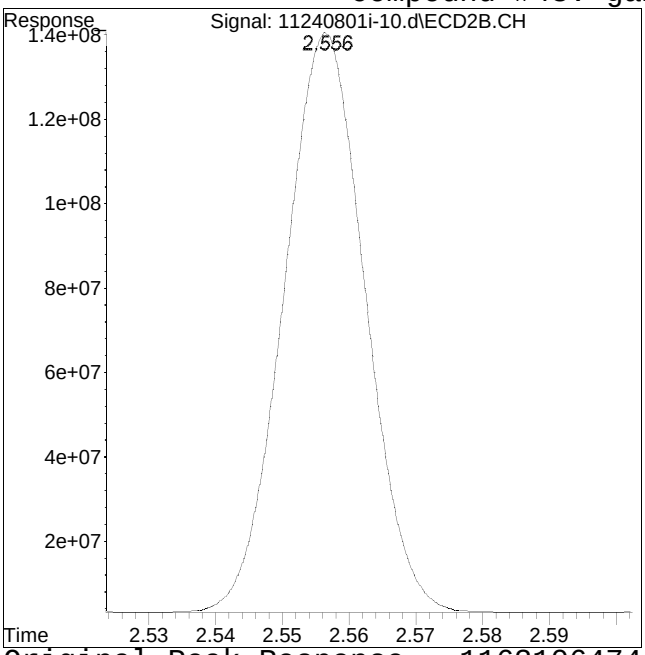
Original Peak Response = 1396289147 Manual Peak Response = 1395487078 M4
M4 = Poor automated baseline construction.

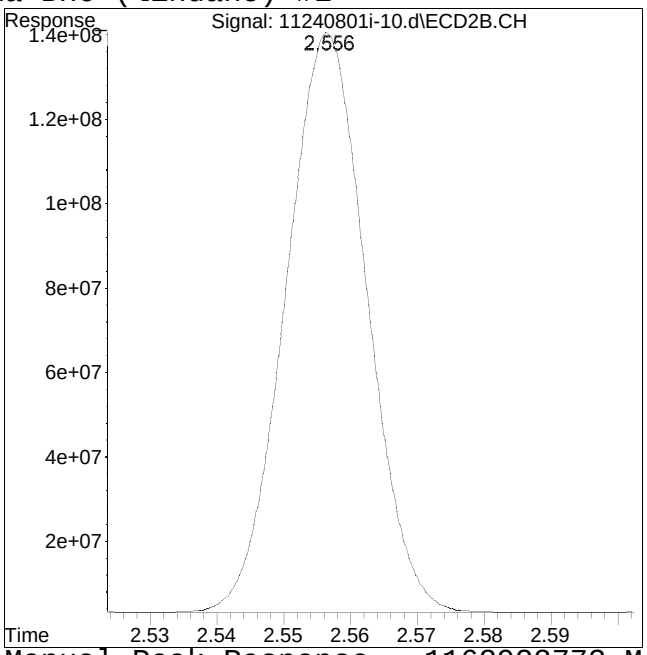
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #43: gamma-BHC (lindane) #2



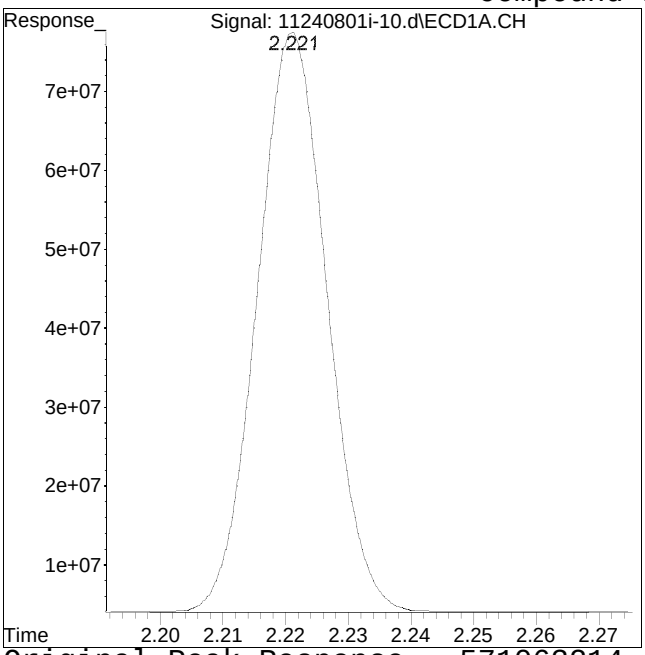


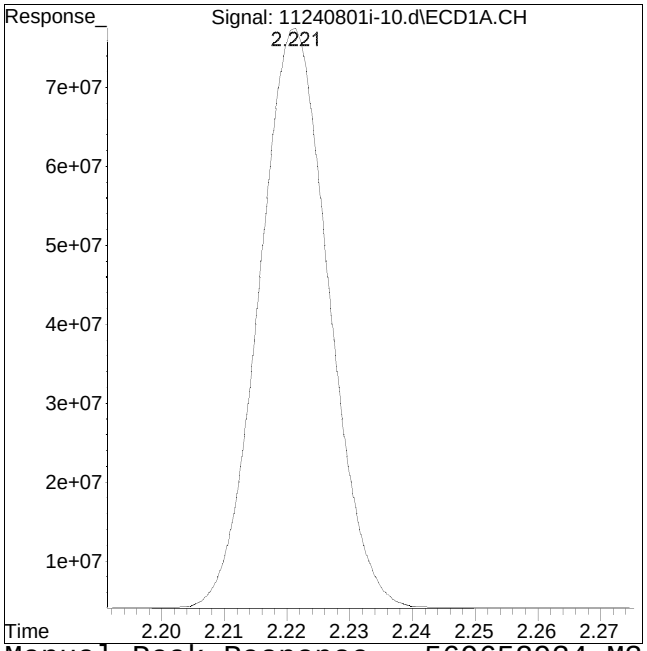
Original Peak Response = 1163106474 Manual Peak Response = 1162922773 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #6: beta-BHC



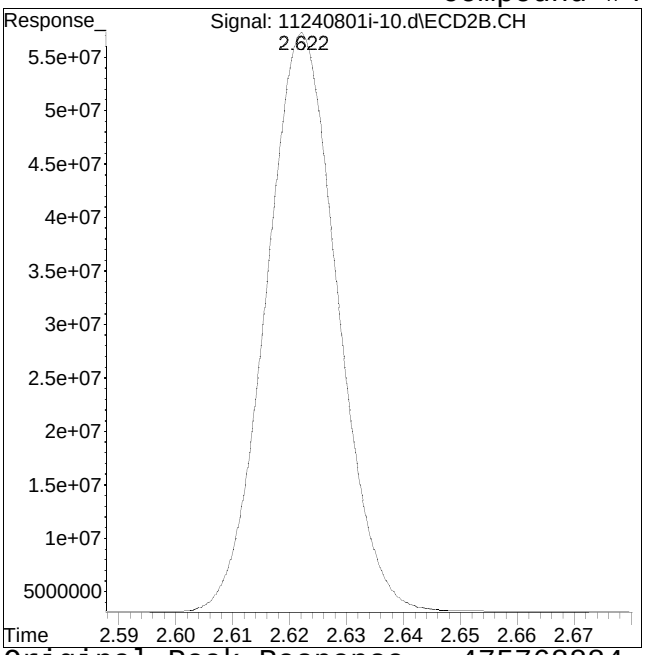


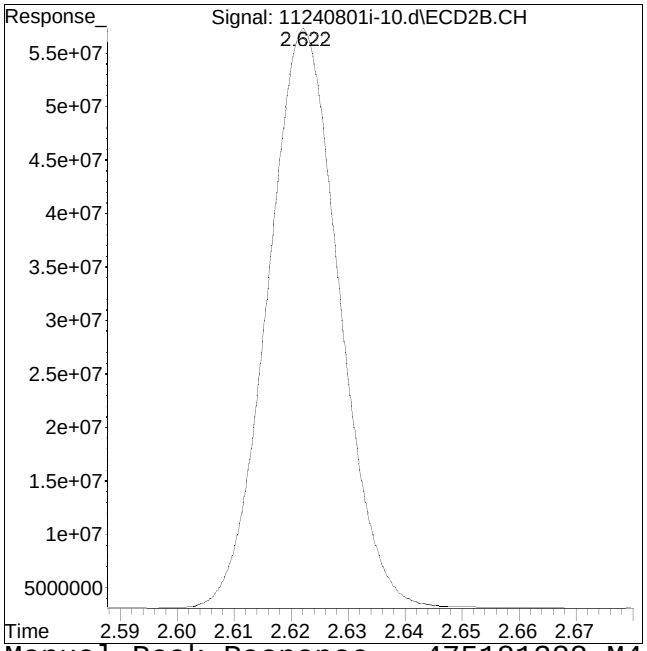
Original Peak Response = 571063214 Manual Peak Response = 569652934 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #44: beta-BHC #2





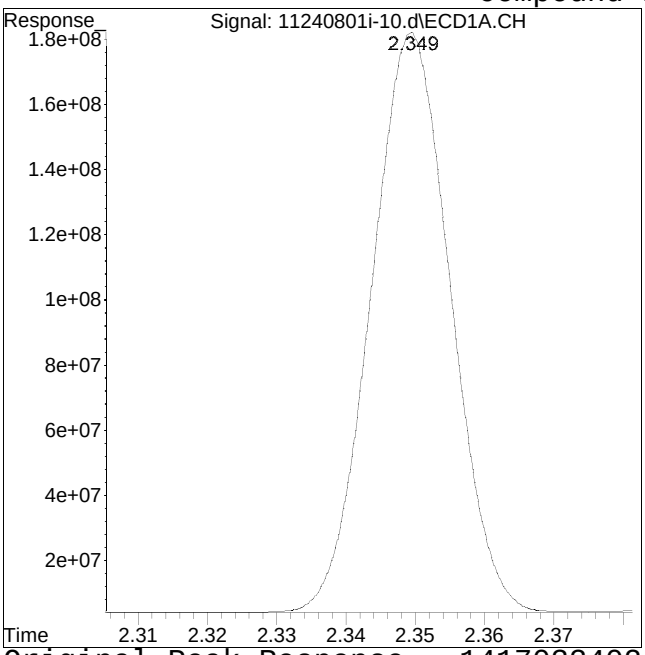
Original Peak Response = 475768884 Manual Peak Response = 475181388 M4
M4 = Poor automated baseline construction.

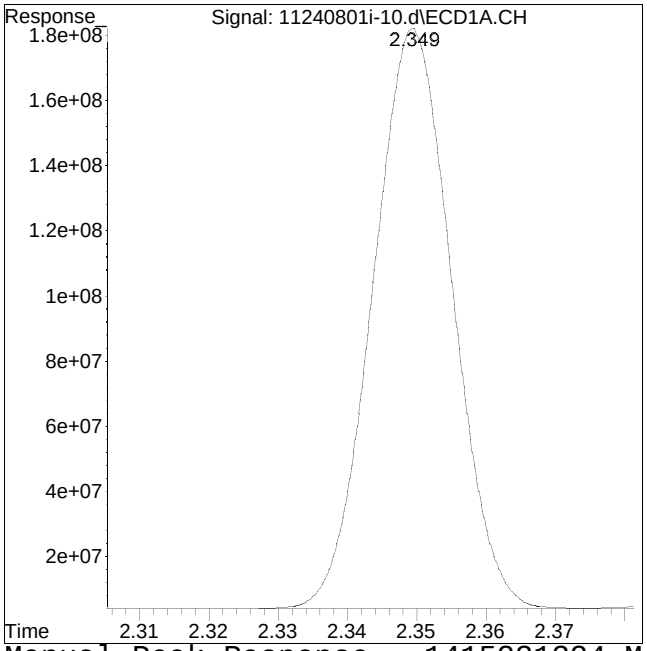
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #7: delta-BHC





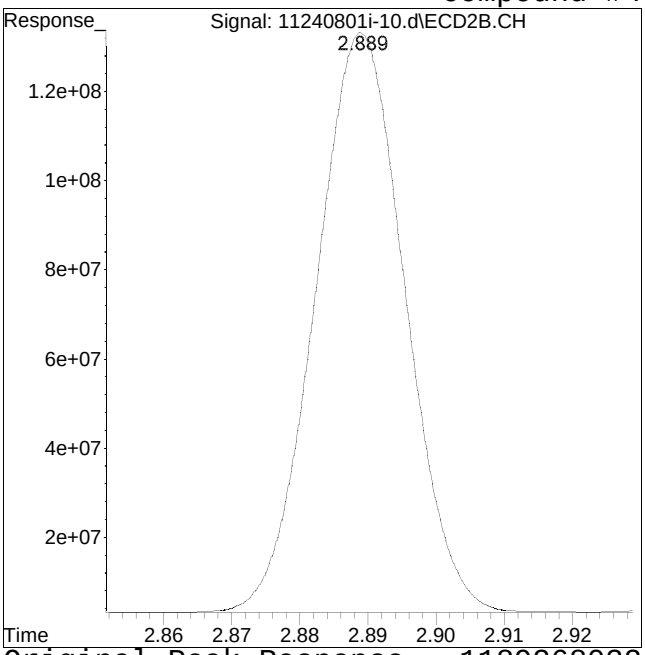
Original Peak Response = 1417033402 Manual Peak Response = 1415231324 M4
M4 = Poor automated baseline construction.

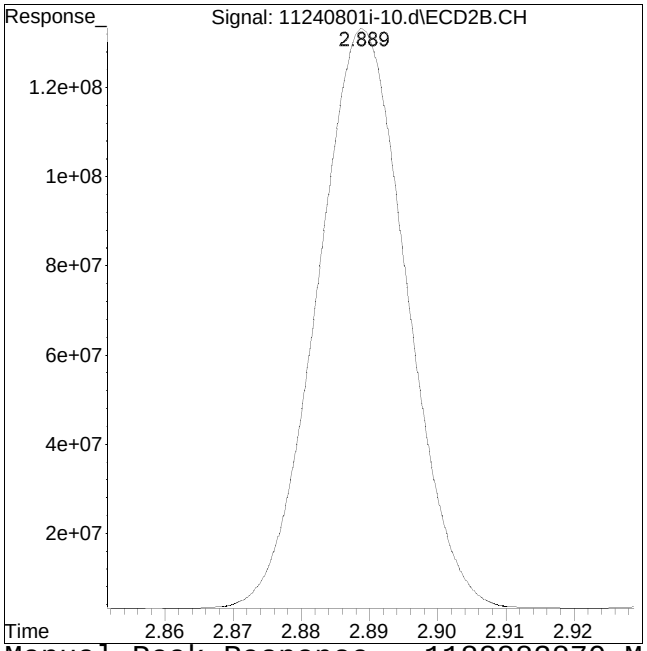
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #45: delta-BHC #2





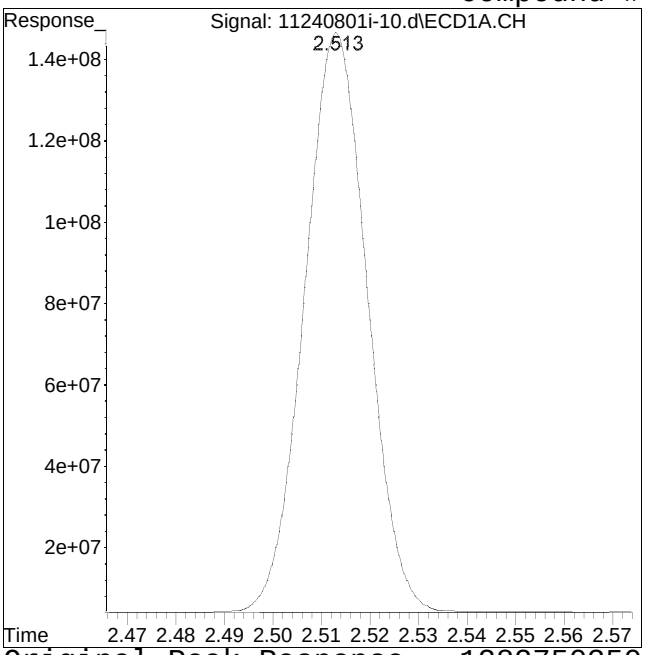
Original Peak Response = 1189268032 Manual Peak Response = 1188883870 M4
M4 = Poor automated baseline construction.

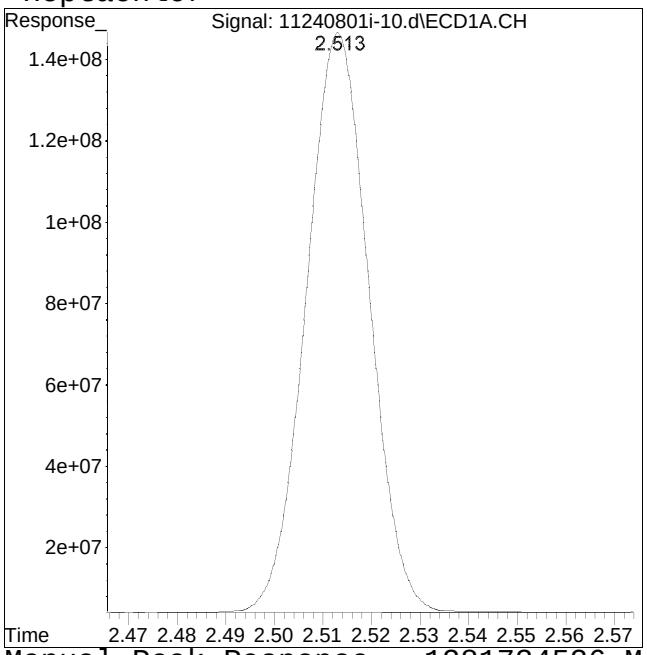
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #8: Heptachlor





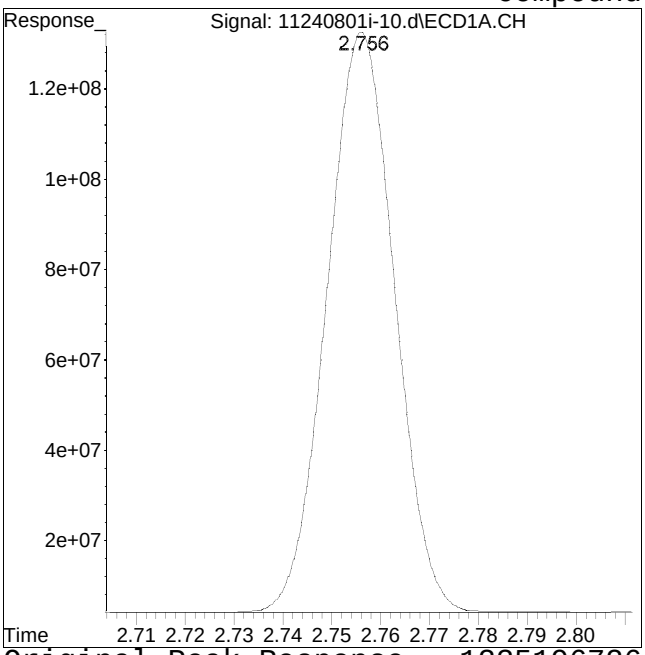
Original Peak Response = 1282750350 Manual Peak Response = 1281734526 M4
M4 = Poor automated baseline construction.

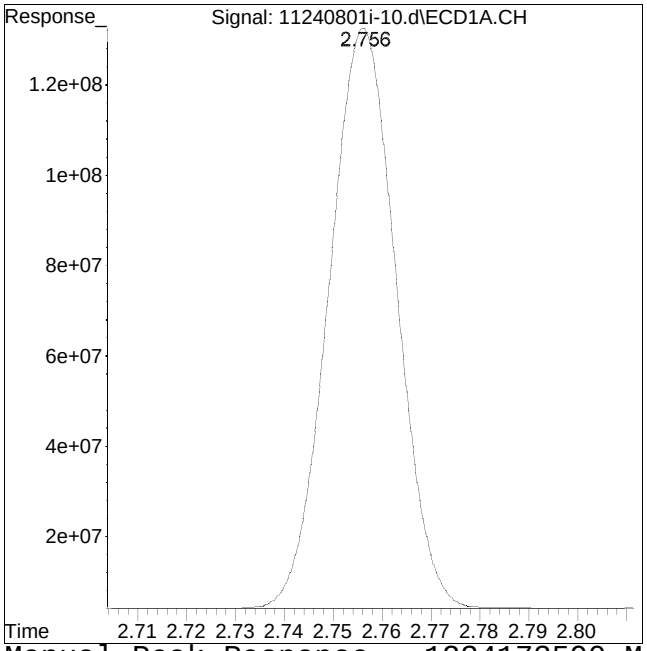
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #9: Aldrin





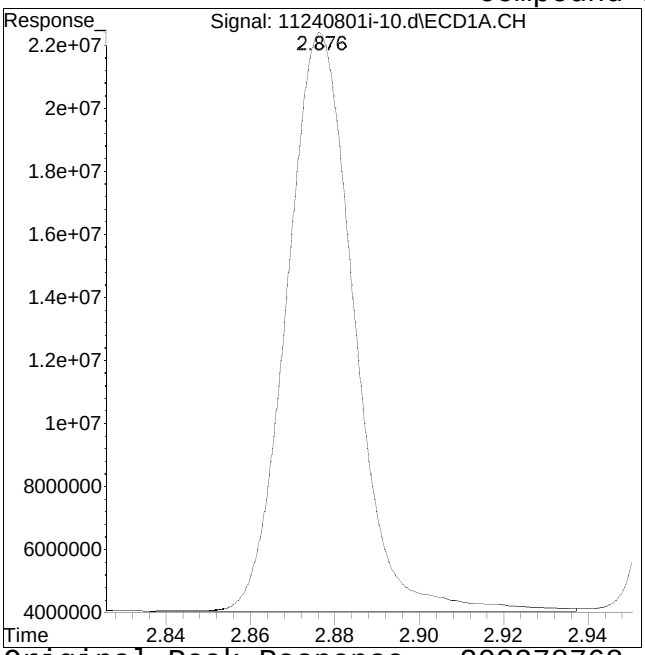
Original Peak Response = 1235196726 Manual Peak Response = 1234173590 M4
M4 = Poor automated baseline construction.

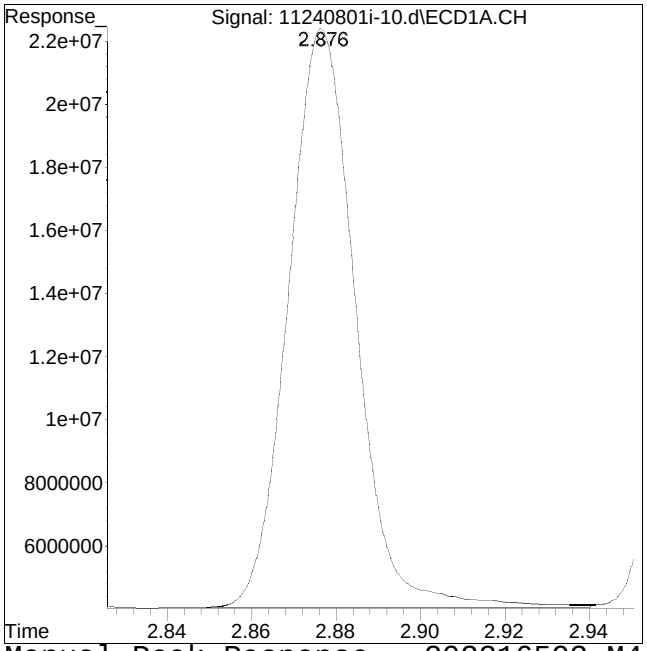
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #10: Alachlor





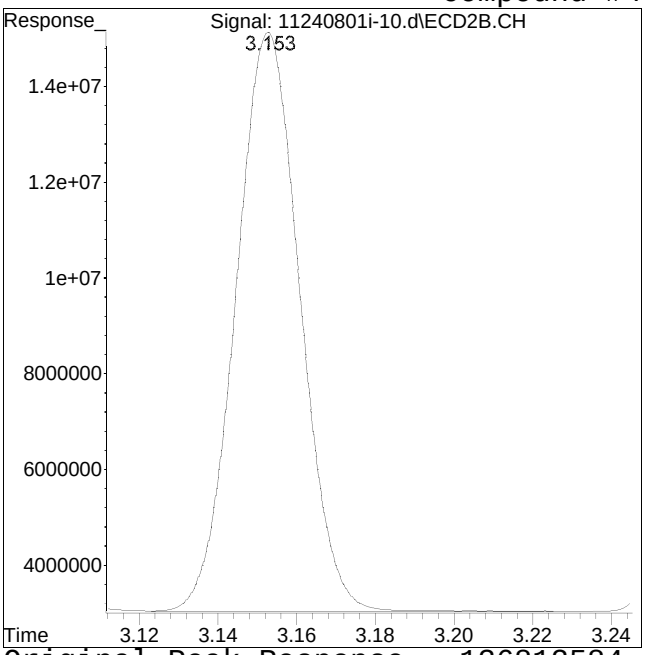
Original Peak Response = 203278768 Manual Peak Response = 202316593 M4
M4 = Poor automated baseline construction.

Manual Integration Report

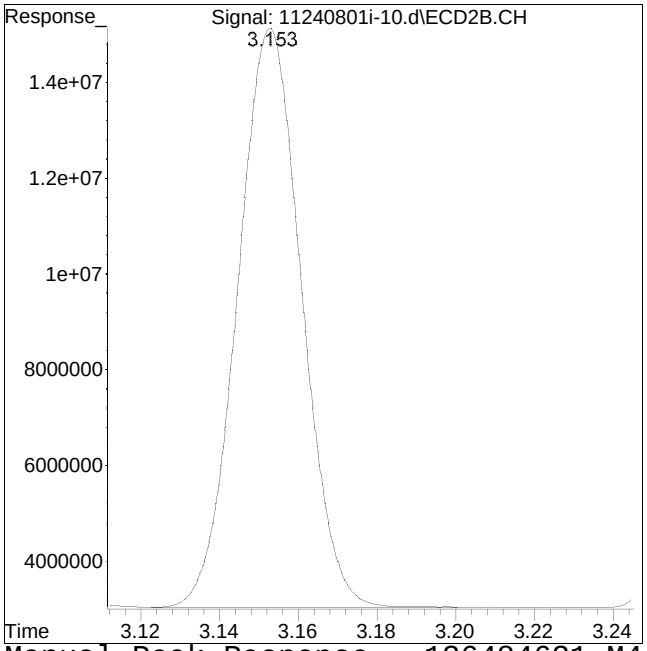
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #48: Alachlor #2



Original Peak Response = 136812584



Manual Peak Response = 136484631 M4

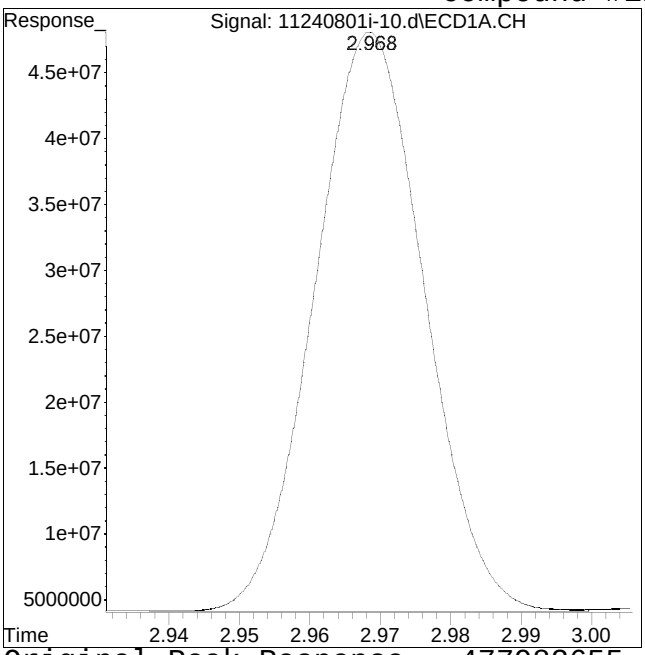
M4 = Poor automated baseline construction.

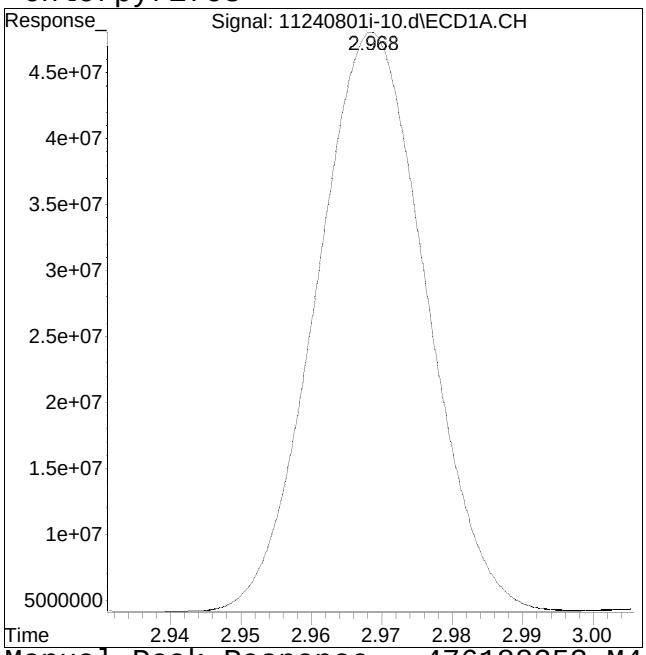
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #11: Chlorpyrifos





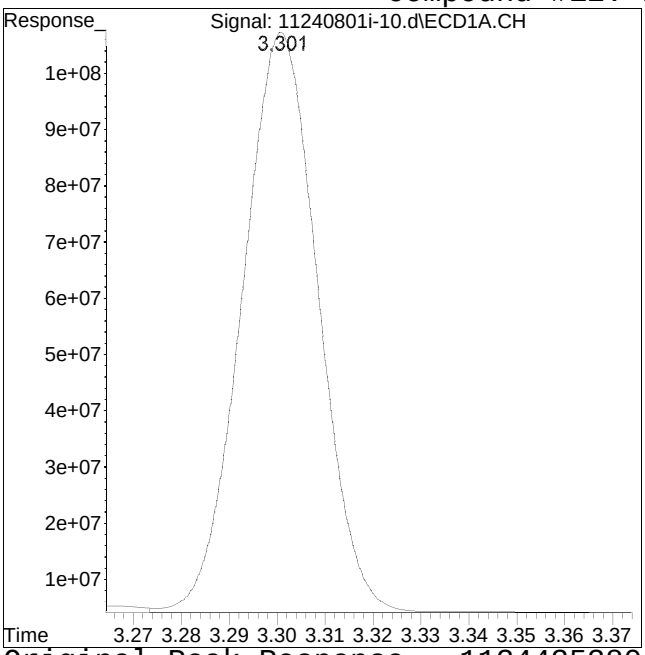
Original Peak Response = 477982655 Manual Peak Response = 476188253 M4
M4 = Poor automated baseline construction.

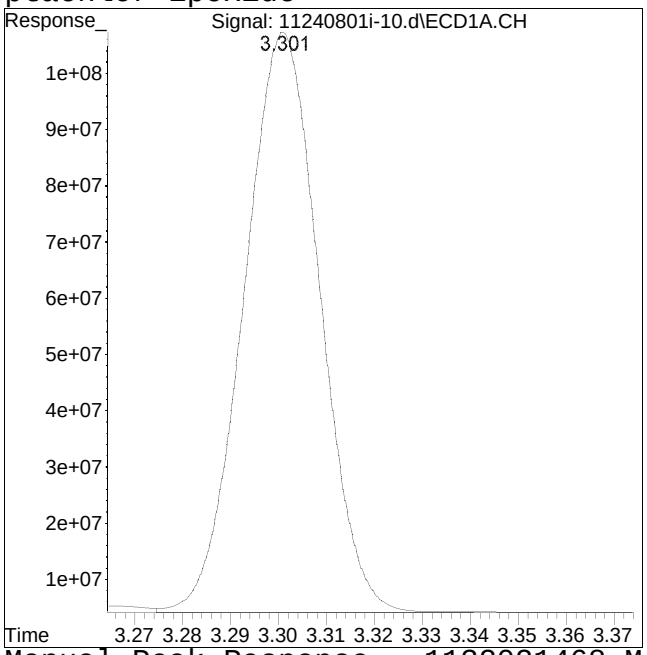
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #12: Heptachlor Epoxide



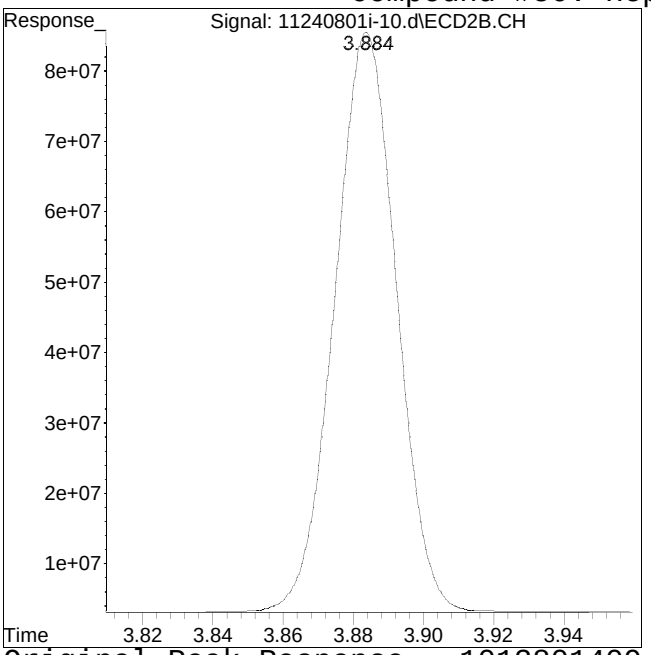


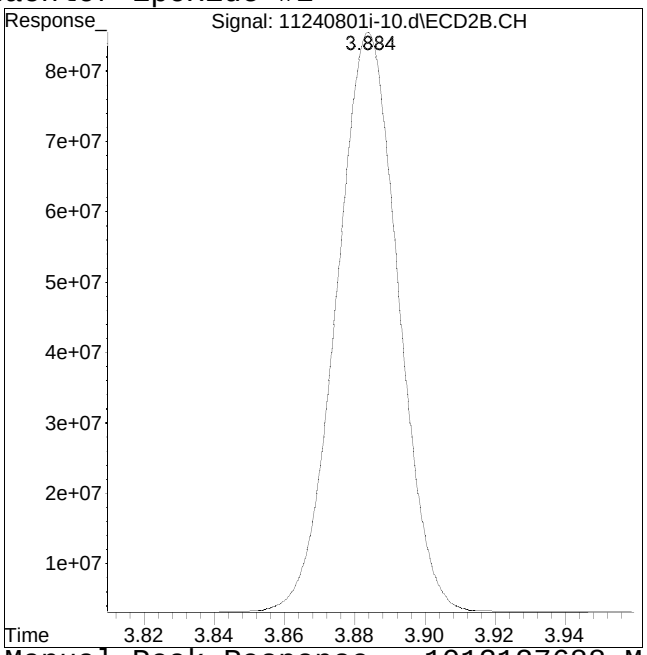
Original Peak Response = 1134435380 Manual Peak Response = 1132021468 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #50: Heptachlor Epoxide #2





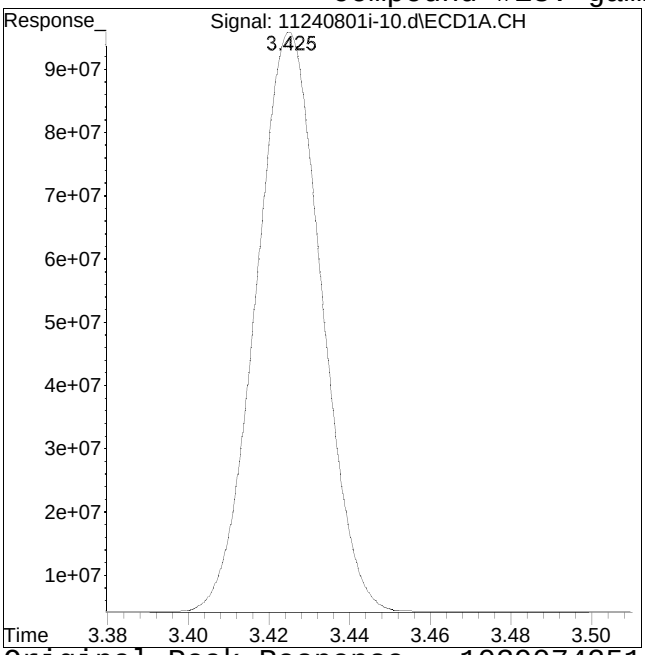
Original Peak Response = 1013801409 Manual Peak Response = 1013127688 M4
M4 = Poor automated baseline construction.

Manual Integration Report

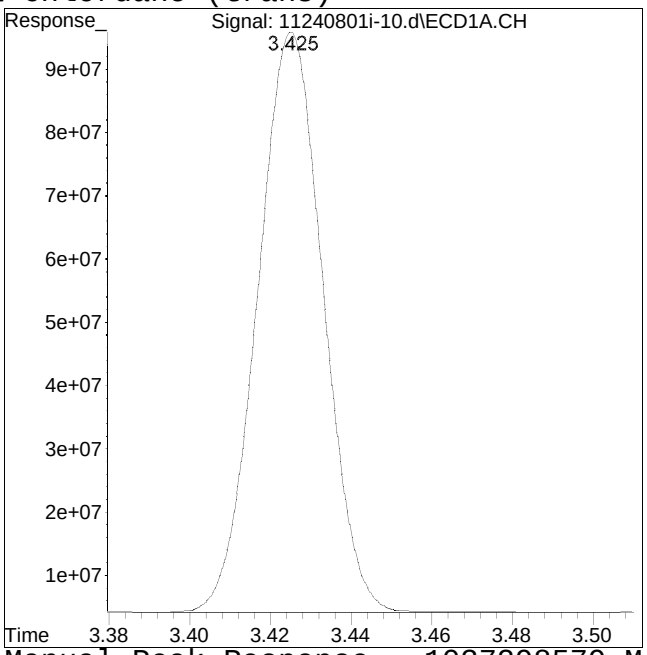
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #13: gamma-Chlordane (trans)



Original Peak Response = 1039074251



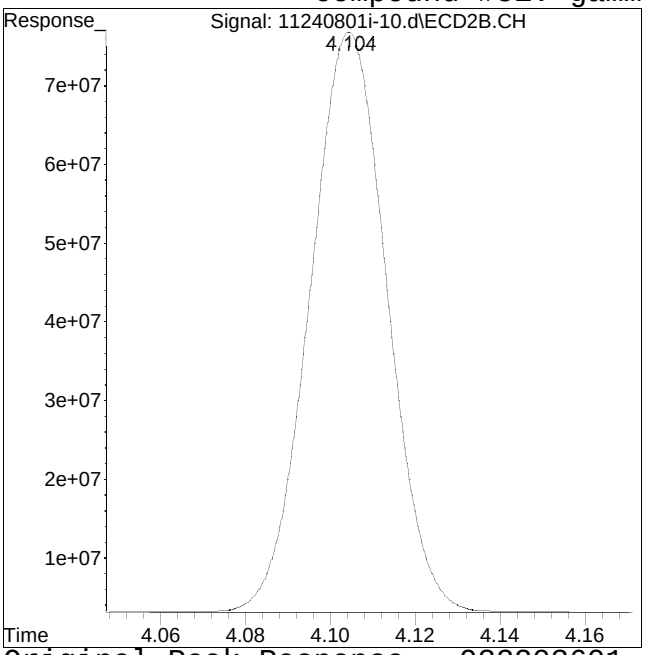
Manual Peak Response = 1037298579 M4

M4 = Poor automated baseline construction.

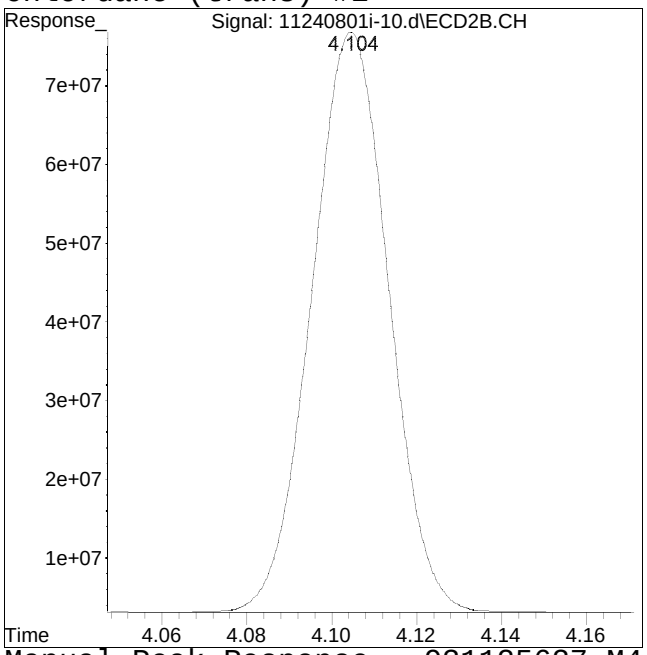
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 932203601



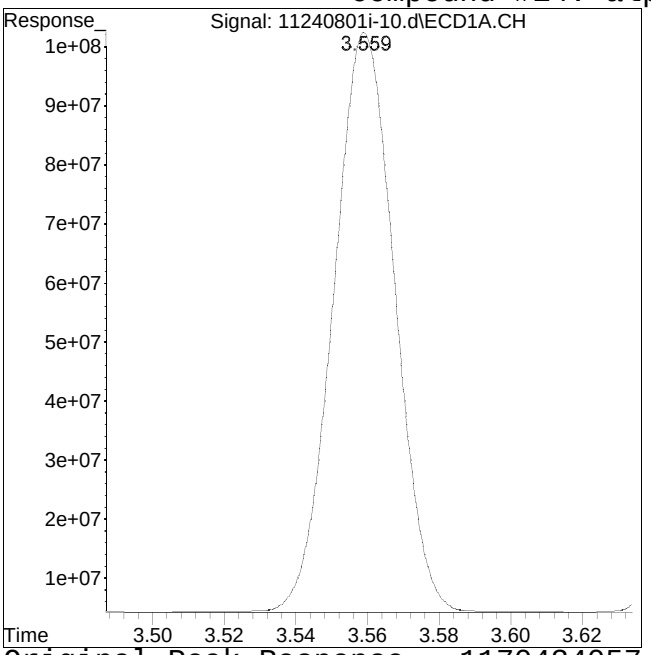
Manual Peak Response = 931125627 M4
M4 = Poor automated baseline construction.

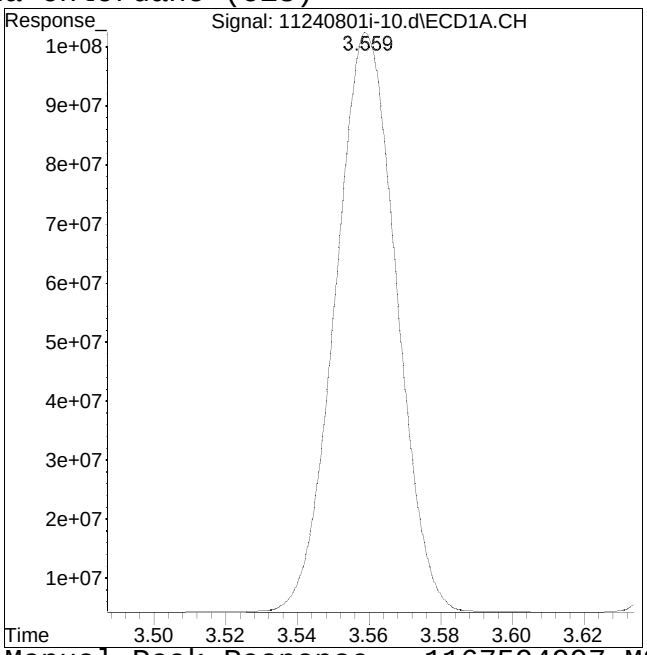
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 1170434057 Manual Peak Response = 1167594997 M3

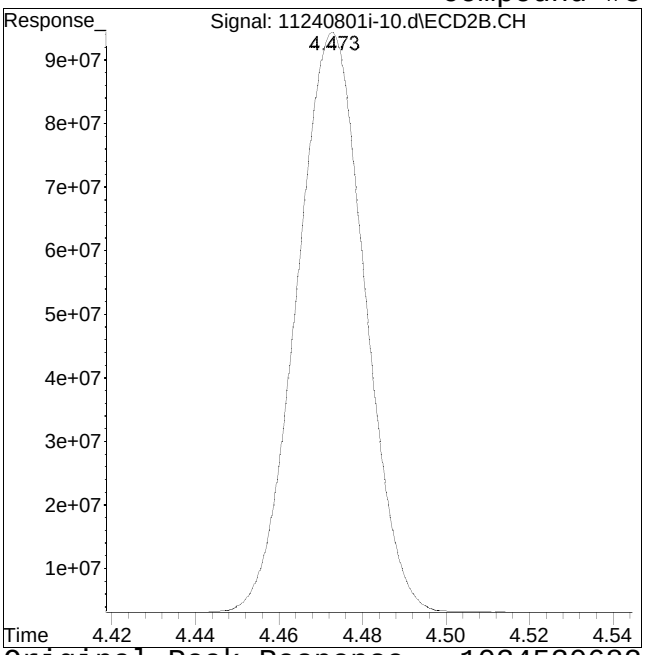
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

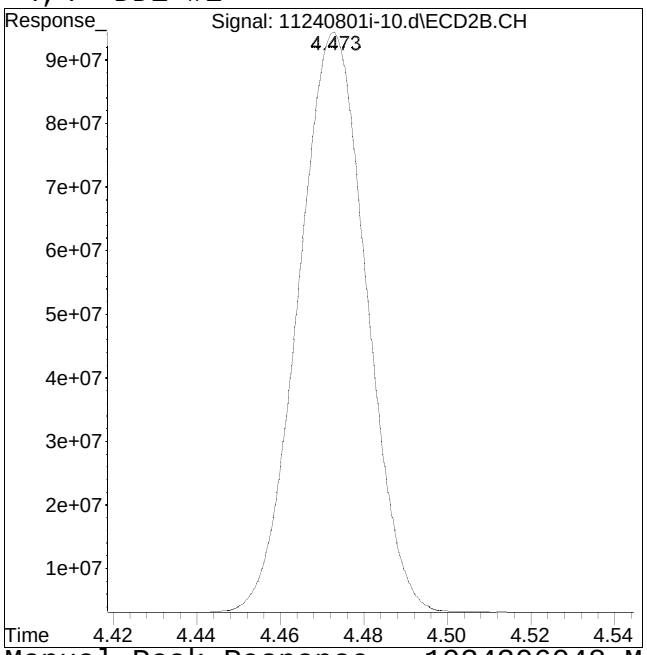
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #53: 4,4'-DDE #2





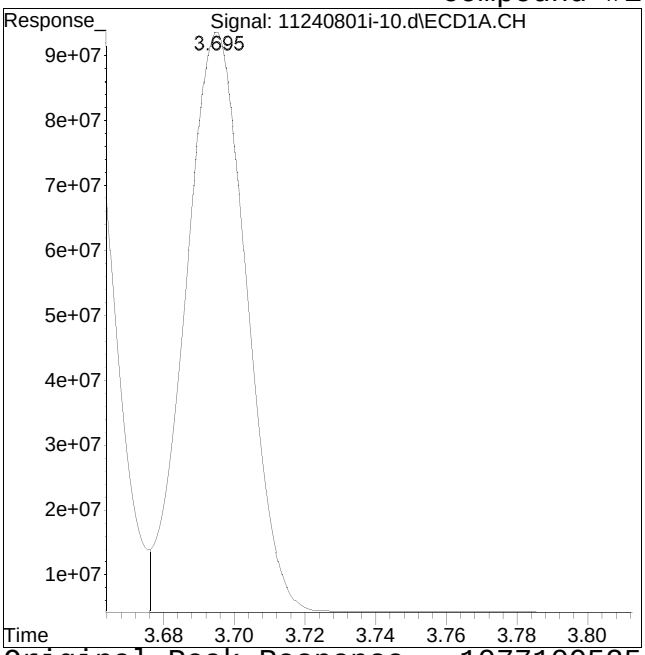
Original Peak Response = 1034530682 Manual Peak Response = 1034306048 M4
M4 = Poor automated baseline construction.

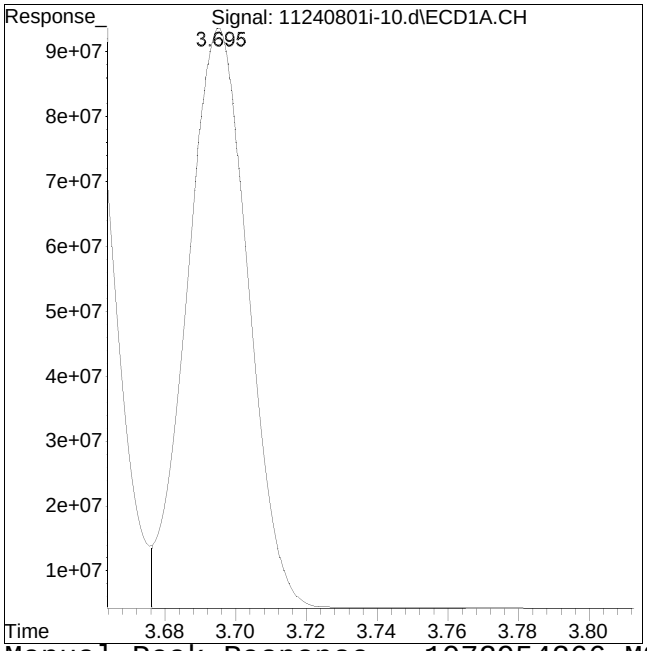
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #16: Endosulfan I



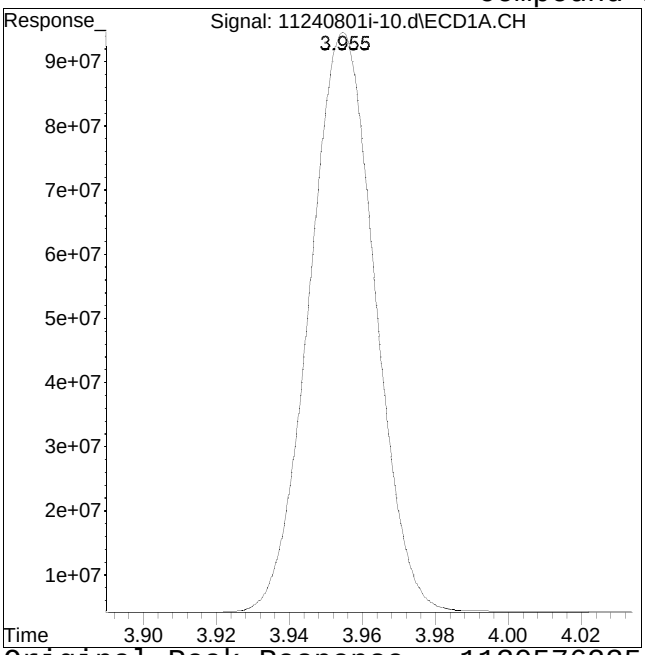


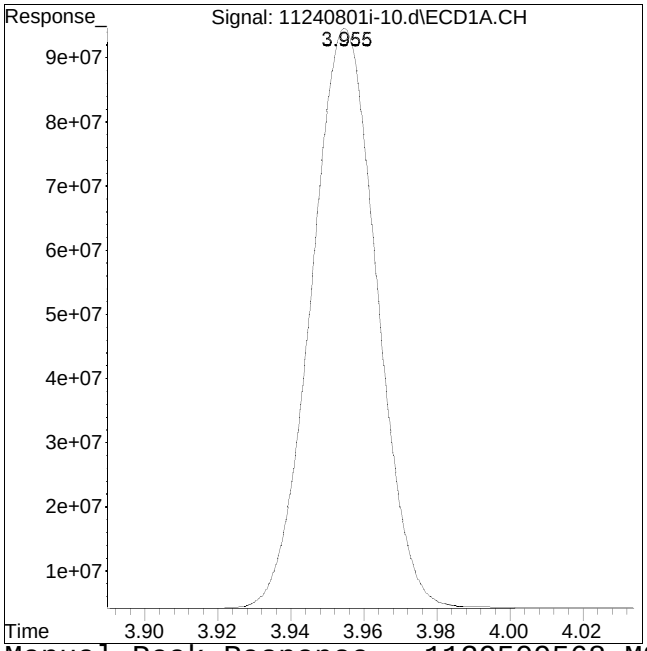
Original Peak Response = 1077109525 Manual Peak Response = 1072954266 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #17: Dieldrin



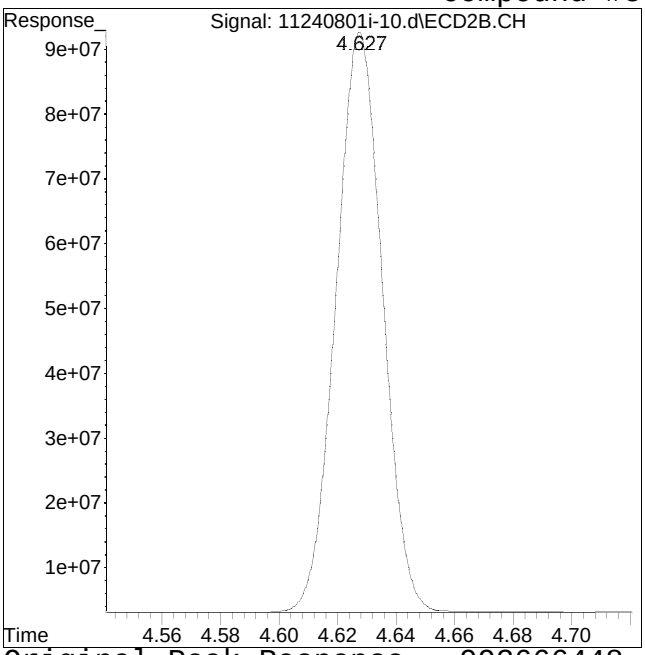


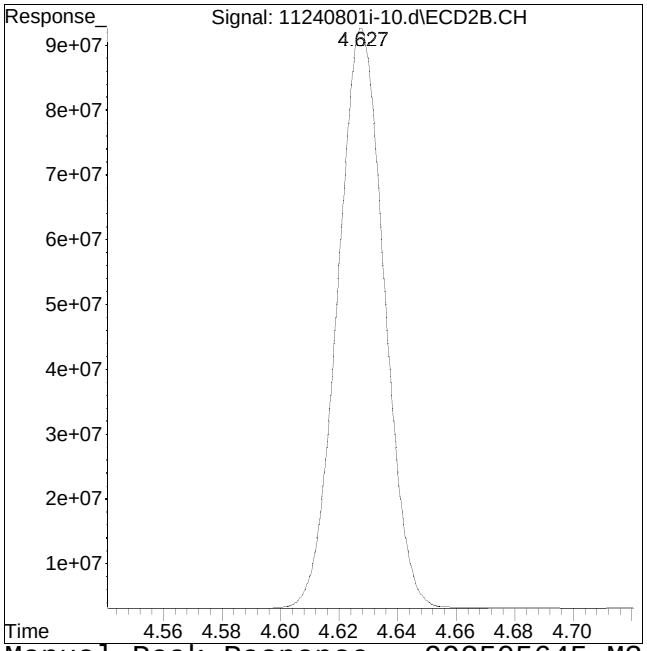
Original Peak Response = 1130576235 Manual Peak Response = 1129509568 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #55: Dieldrin #2



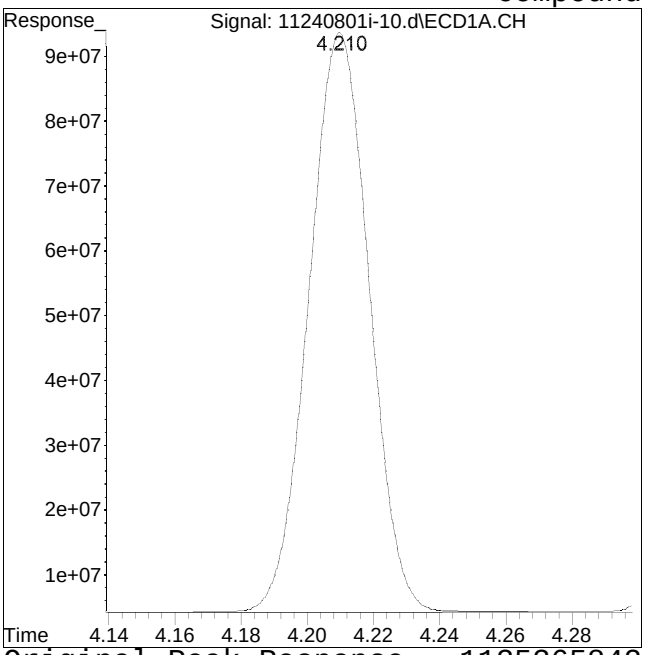


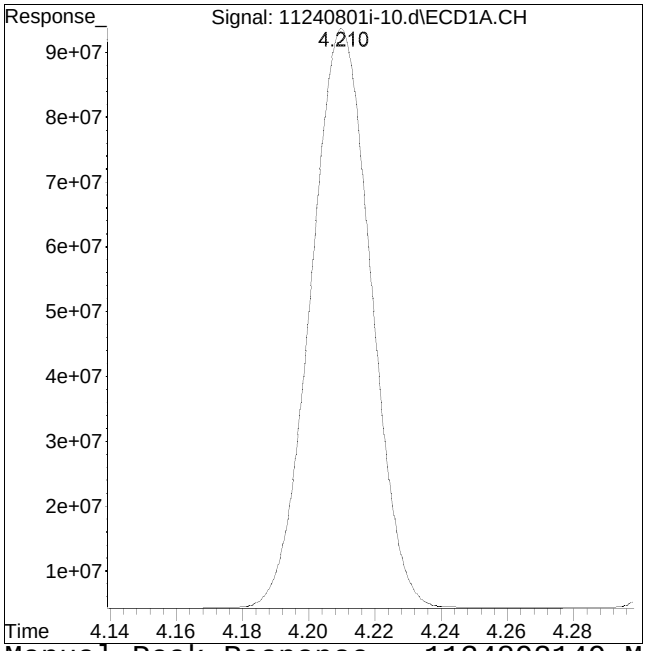
Original Peak Response = 993666448 Manual Peak Response = 992505645 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #18: Endrin



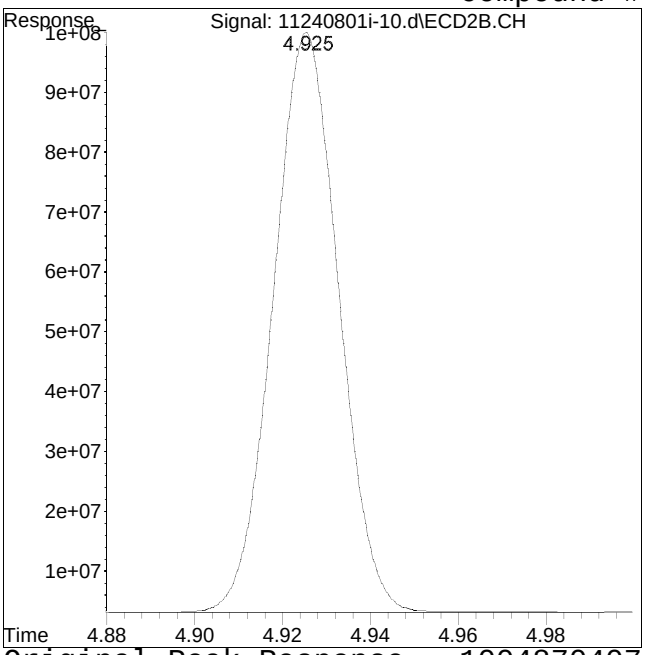


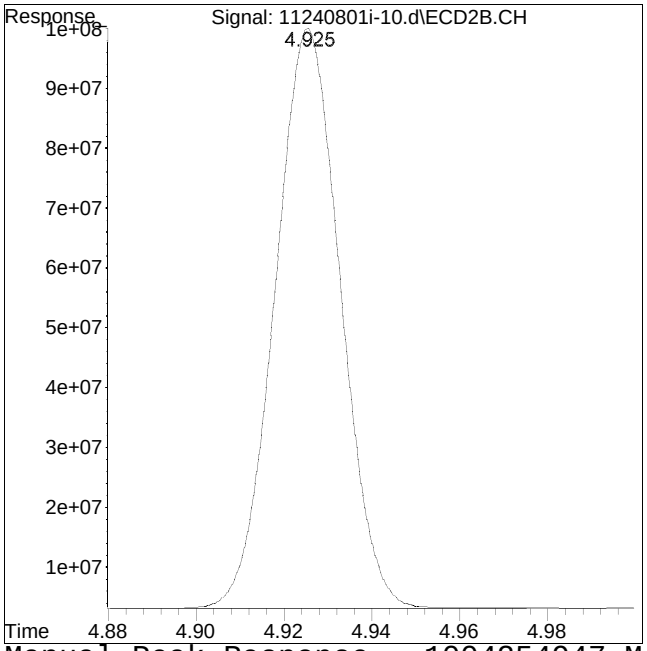
Original Peak Response = 1135365842 Manual Peak Response = 1134892149 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #56: Endrin #2





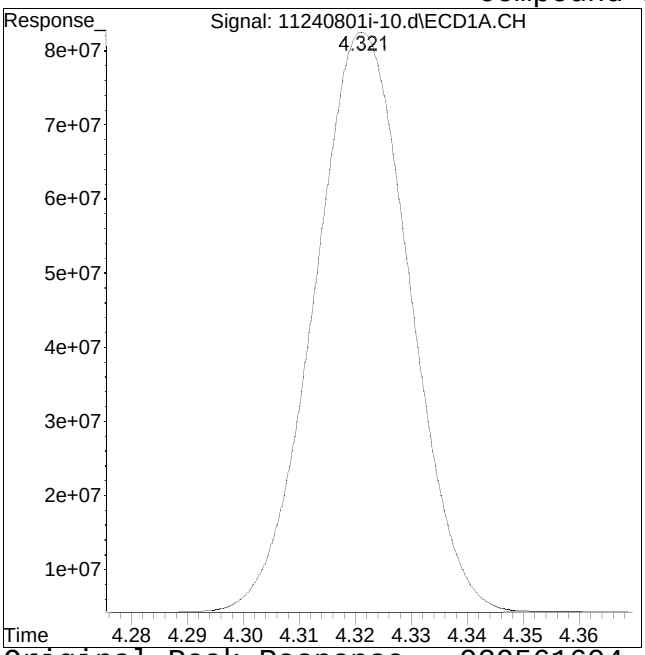
Original Peak Response = 1004870407 Manual Peak Response = 1004254947 M4
M4 = Poor automated baseline construction.

Manual Integration Report

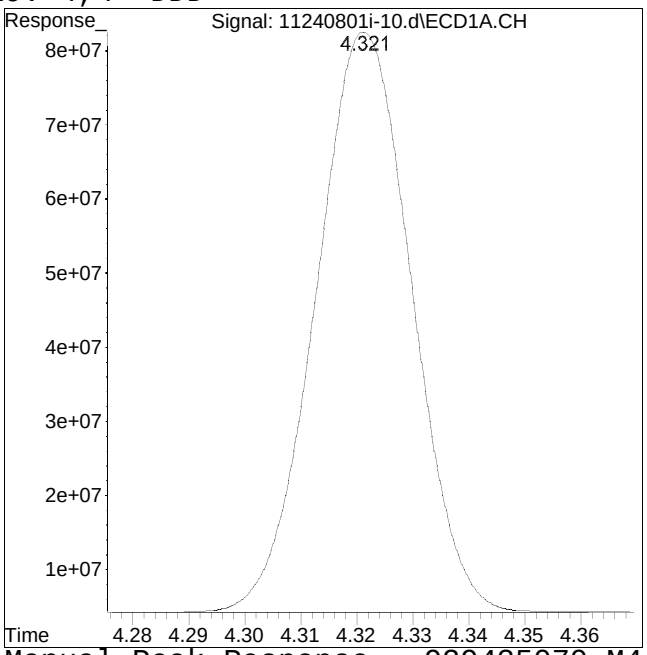
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #19: 4,4'-DDD



Original Peak Response = 929561604



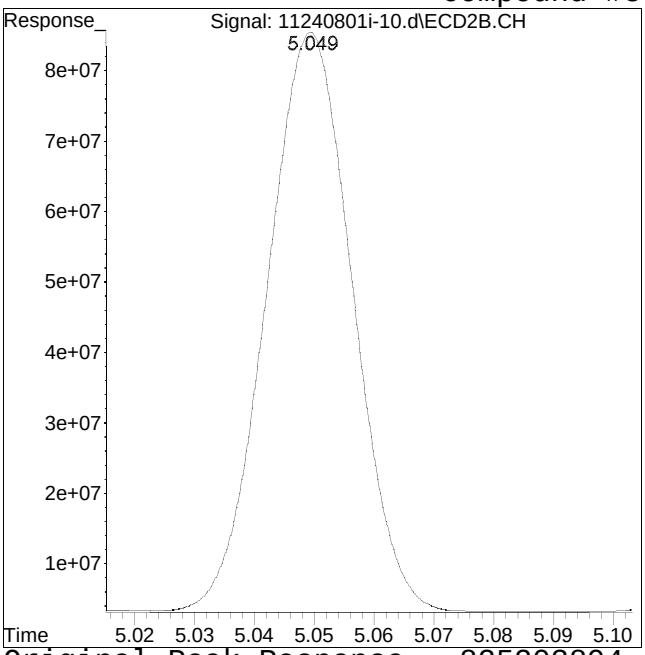
Manual Peak Response = 929435070 M4

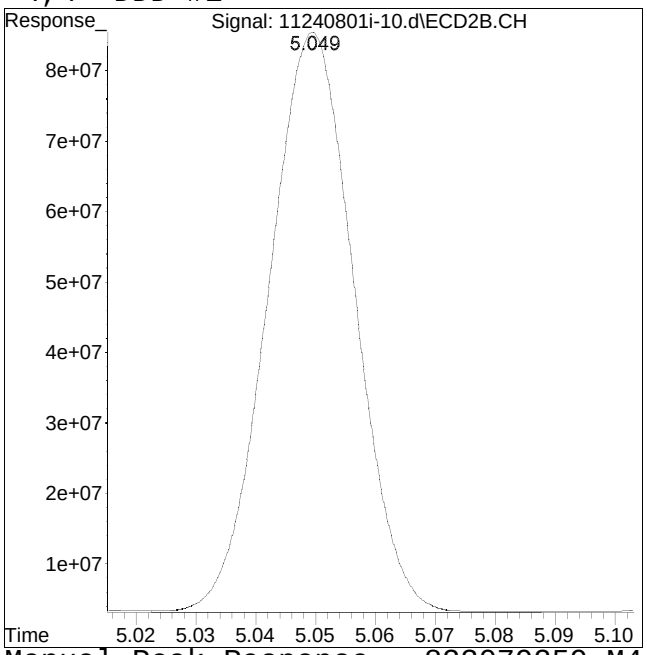
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #57: 4,4'-DDD #2



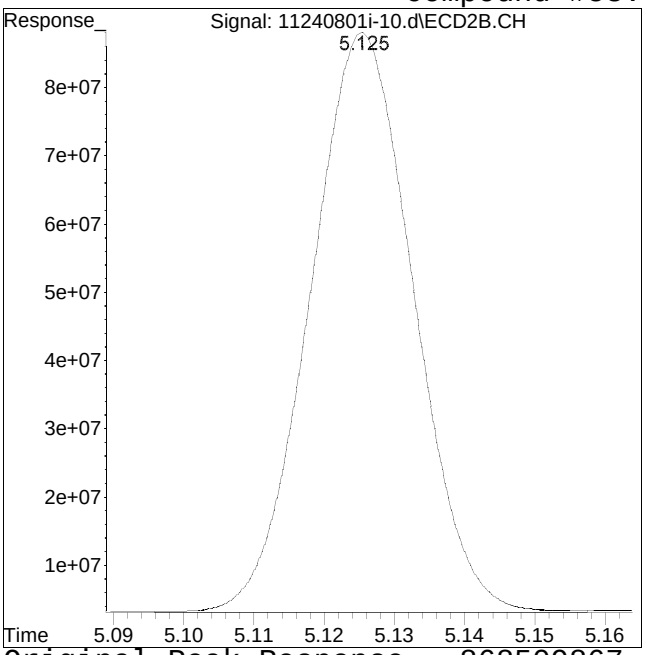


Original Peak Response = 825203894 Manual Peak Response = 823079259 M4
M4 = Poor automated baseline construction.

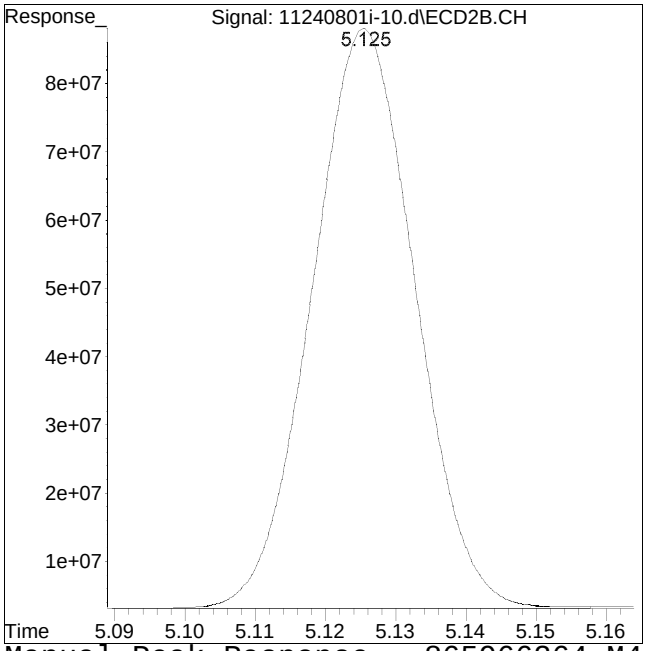
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #58: Endosulfan II #2



Original Peak Response = 868509867



Manual Peak Response = 865966264 M4

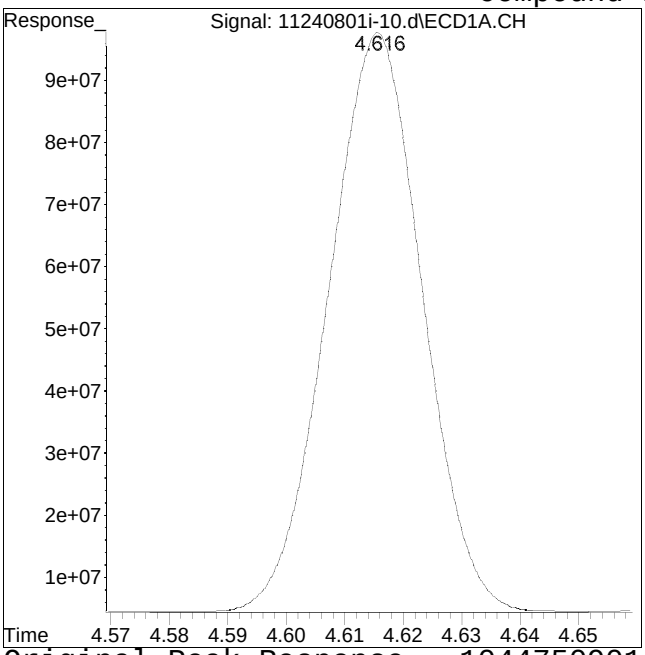
M4 = Poor automated baseline construction.

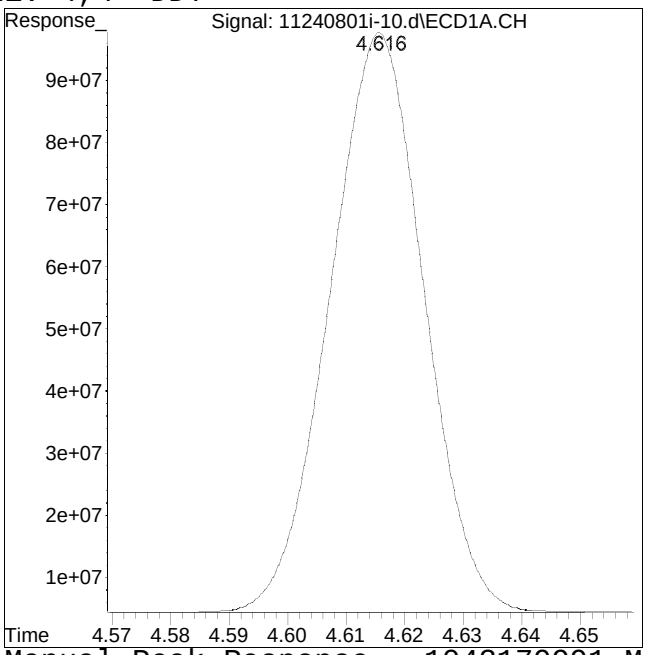
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #21: 4,4'-DDT





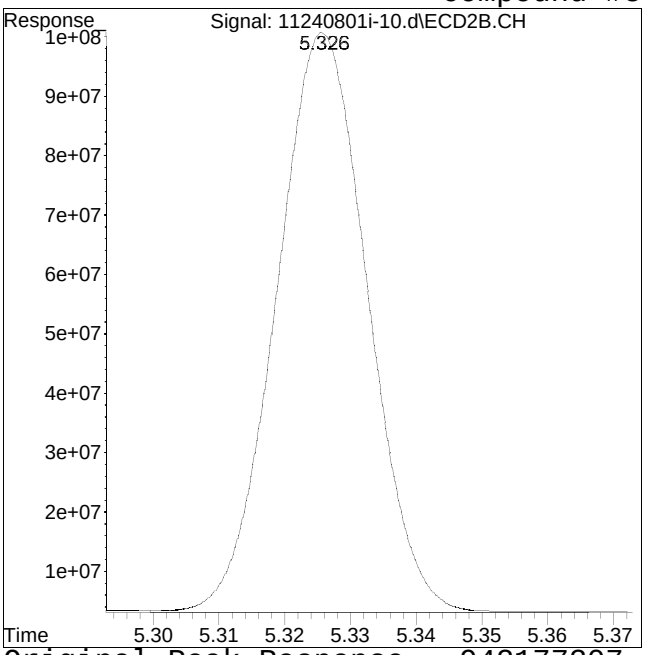
Original Peak Response = 1044750901 Manual Peak Response = 1043179991 M4
M4 = Poor automated baseline construction.

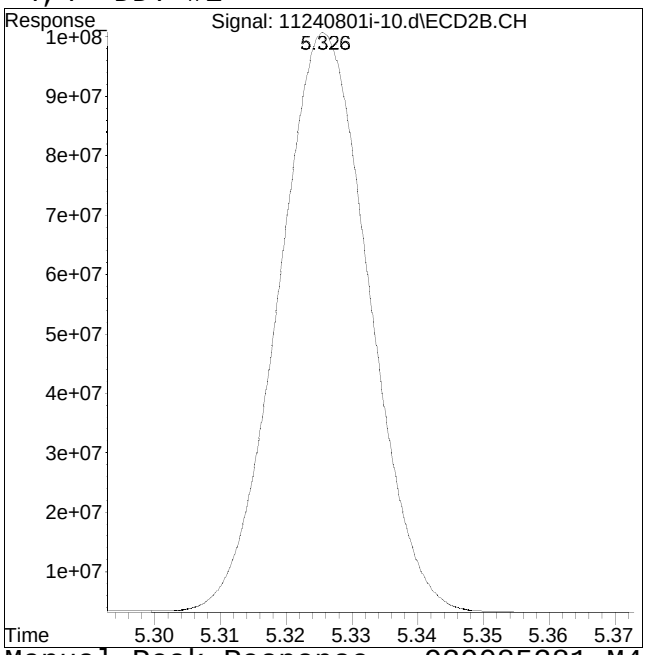
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #59: 4,4'-DDT #2





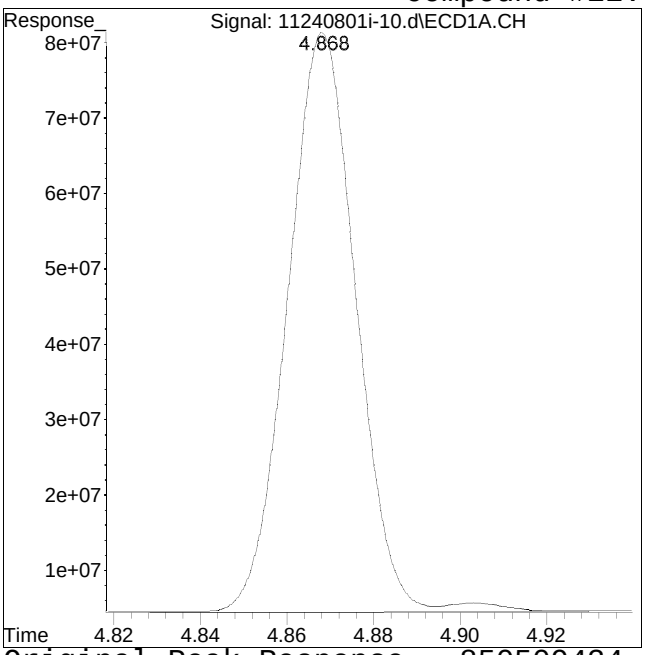
Original Peak Response = 942177307 Manual Peak Response = 939085381 M4
M4 = Poor automated baseline construction.

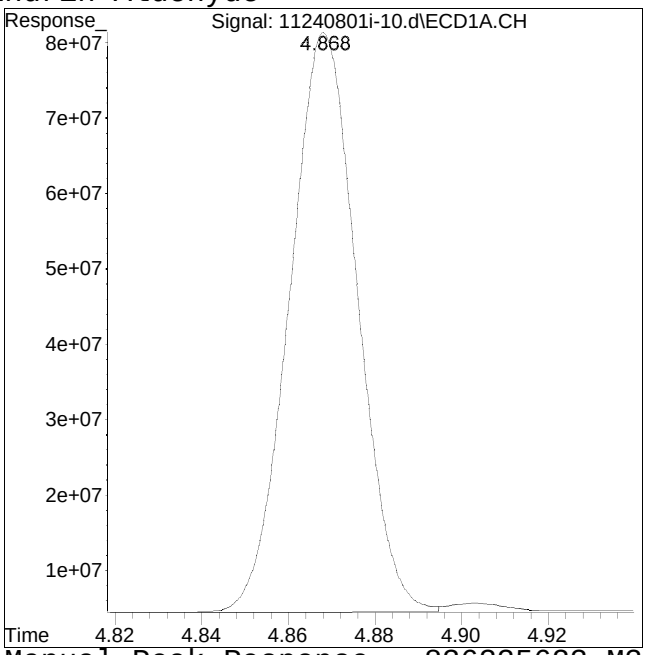
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #22: Endrin Aldehyde





Original Peak Response = 850509434 Manual Peak Response = 836335623 M3

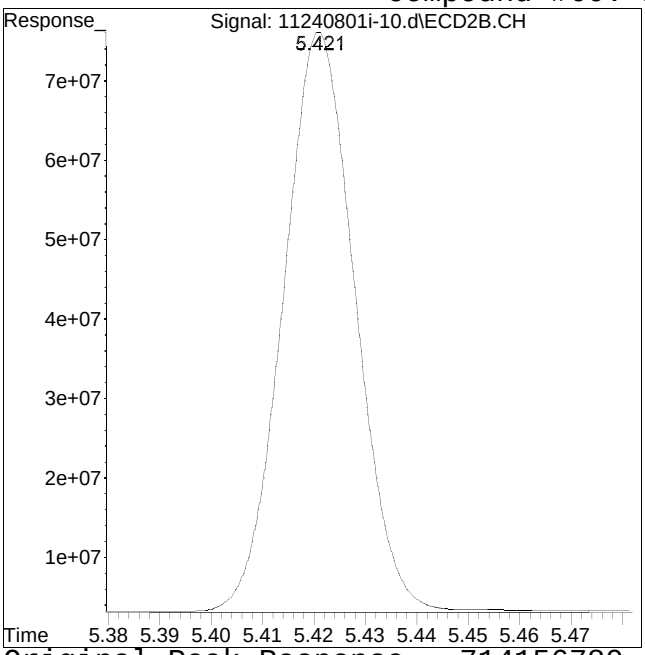
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

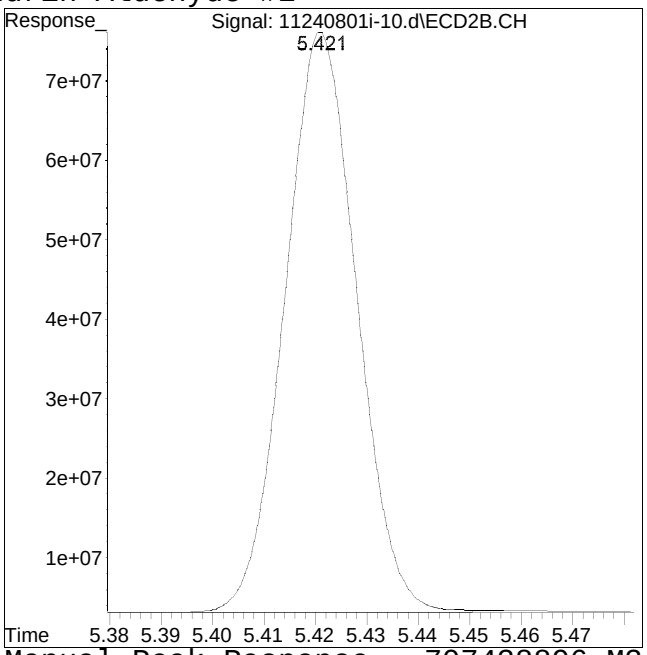
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 714156780 Manual Peak Response = 707438896 M3

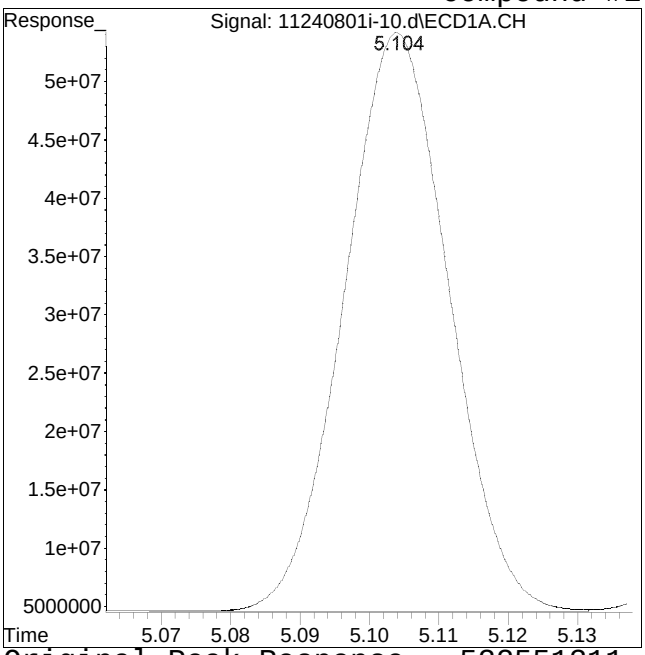
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

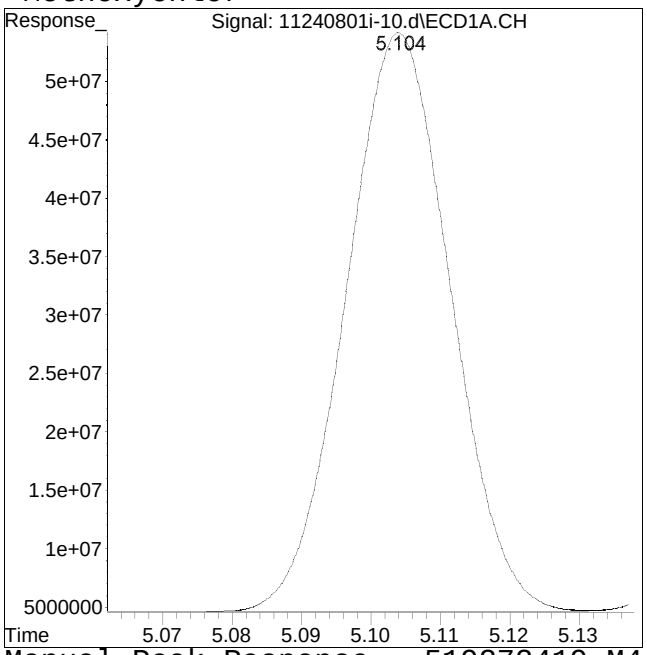
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #23: Methoxychlor



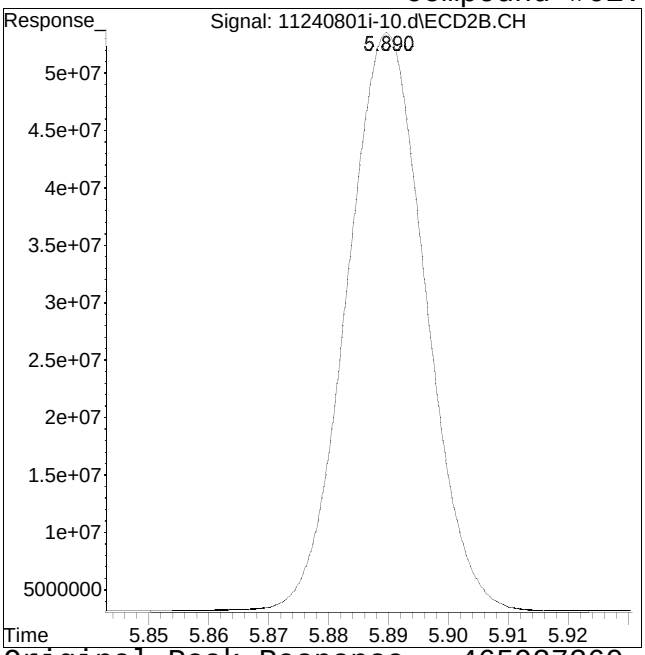


Original Peak Response = 522551311 Manual Peak Response = 519272419 M4
M4 = Poor automated baseline construction.

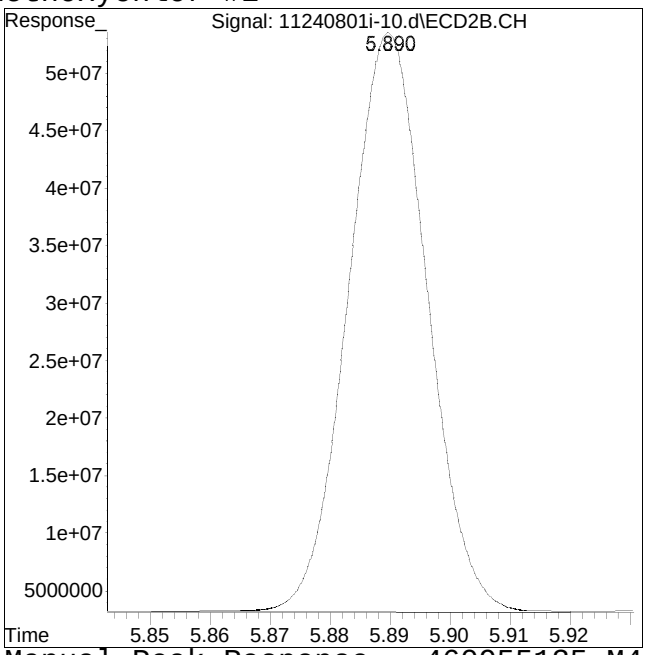
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #61: Methoxychlor #2



Original Peak Response = 465927360



Manual Peak Response = 460955135 M4

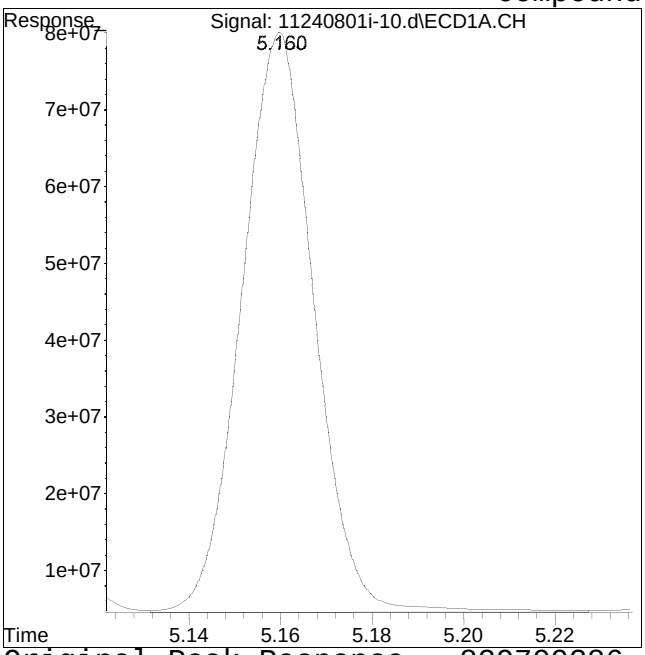
M4 = Poor automated baseline construction.

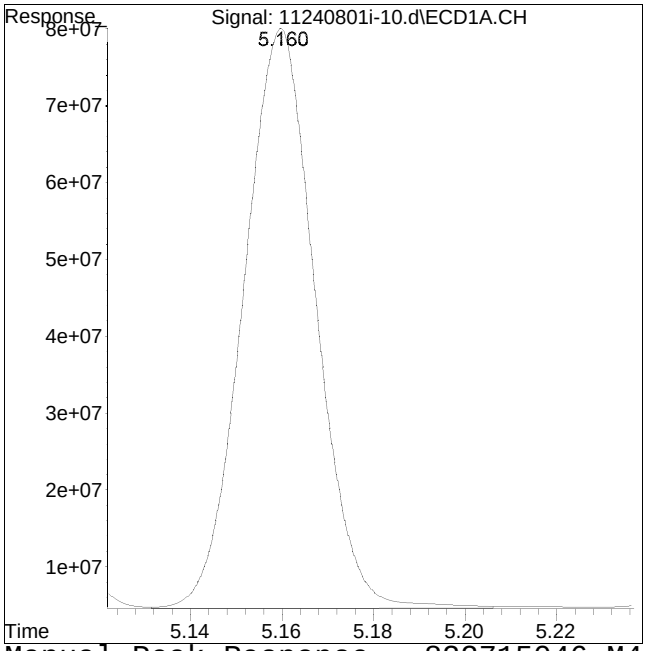
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #24: Mirex





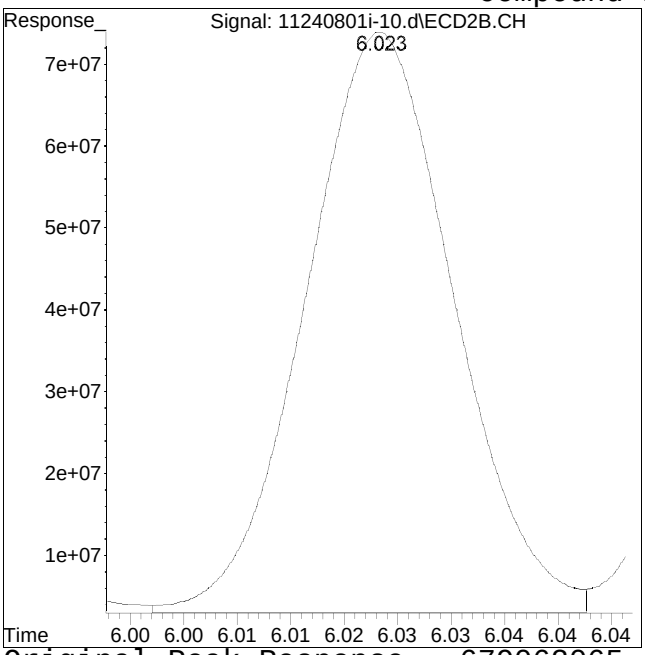
Original Peak Response = 829709386 Manual Peak Response = 822715046 M4
M4 = Poor automated baseline construction.

Manual Integration Report

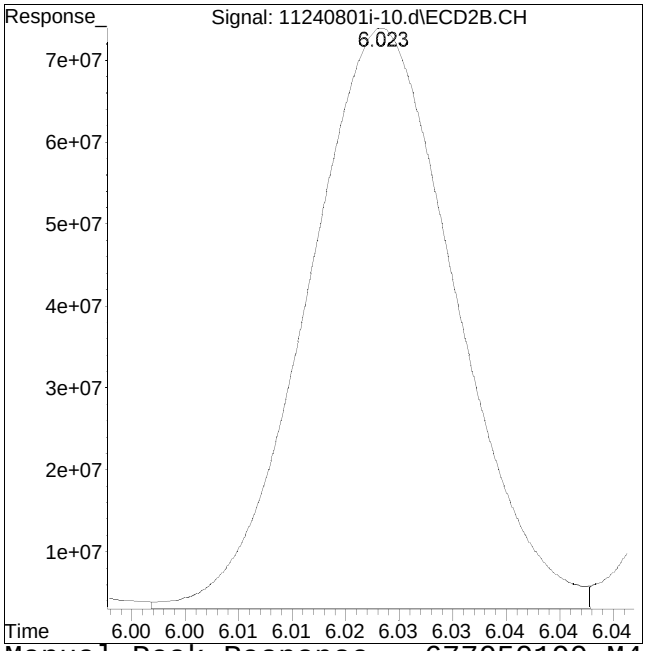
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #62: Mirex #2



Original Peak Response = 679062065



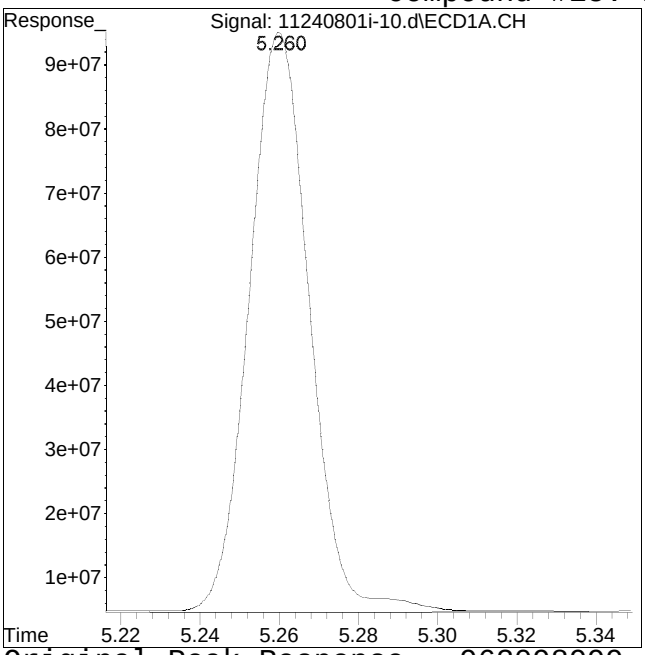
Manual Peak Response = 677050190 M4

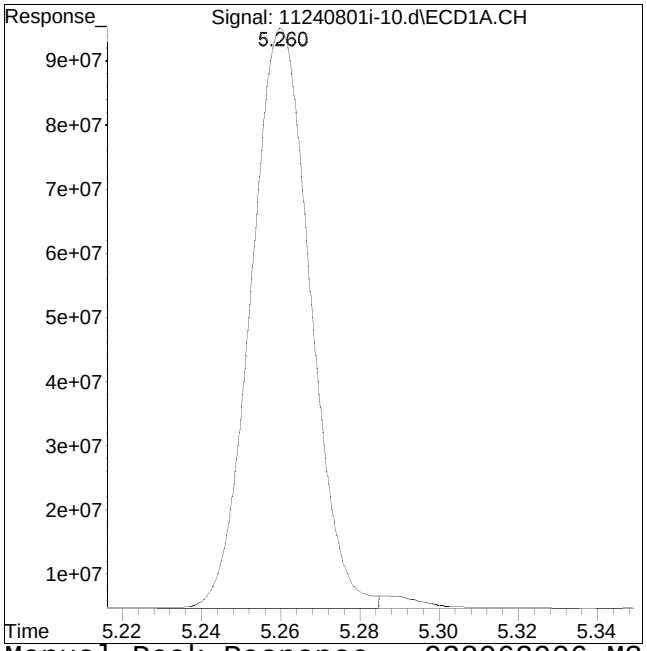
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-10.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:01 Instrument : Pest 11
Sample : il9pest,42e,,pp 11680 L0.1Quant Date : 8/2/2024 9:10 am

Compound #25: Endosulfan Sulfate





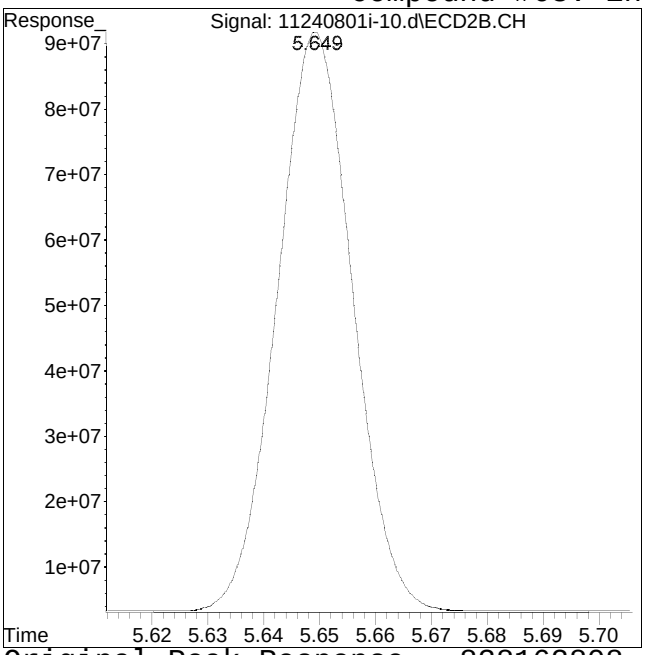
Original Peak Response = 963098999 Manual Peak Response = 938962906 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

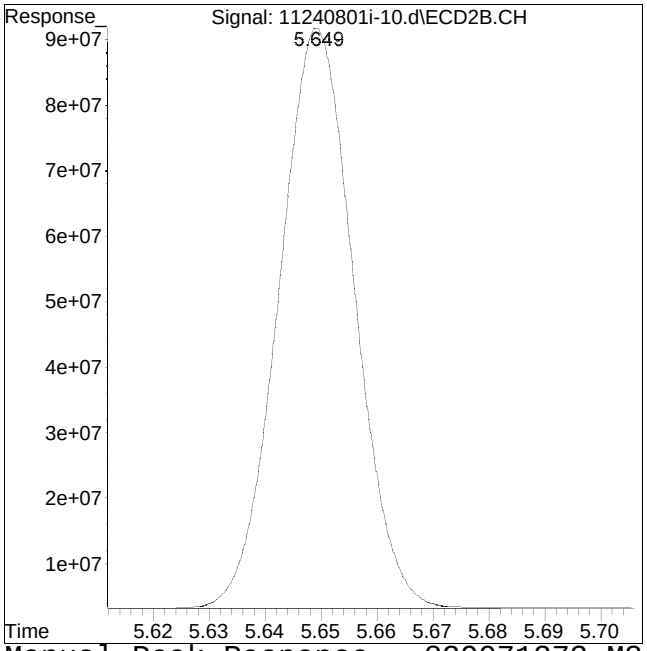
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #63: Endosulfan Sulfate #2





Original Peak Response = 838162808 Manual Peak Response = 829971373 M3

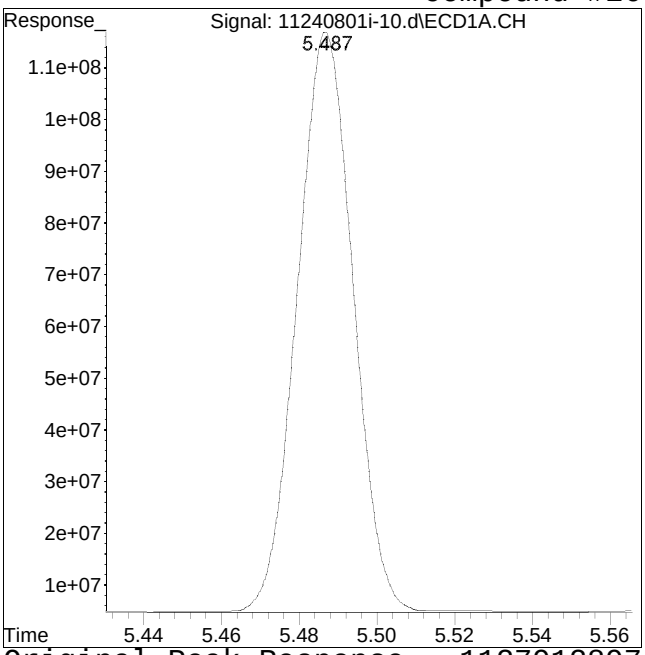
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

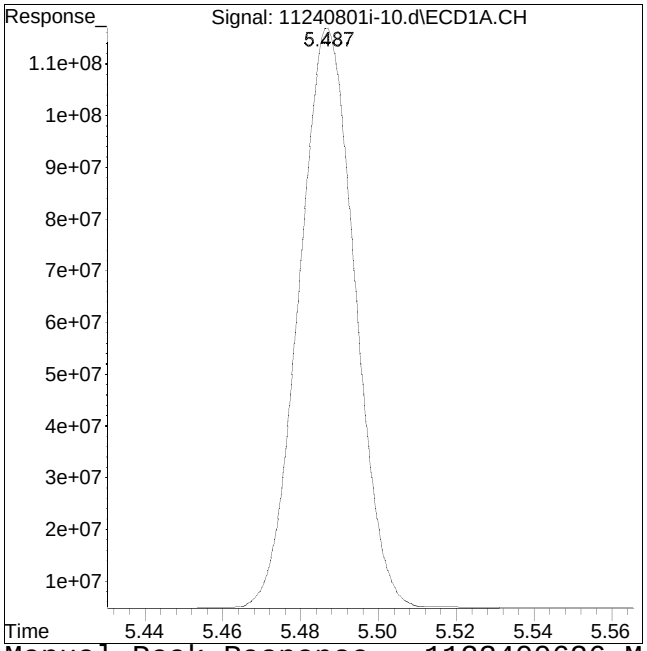
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #26: Endrin Ketone





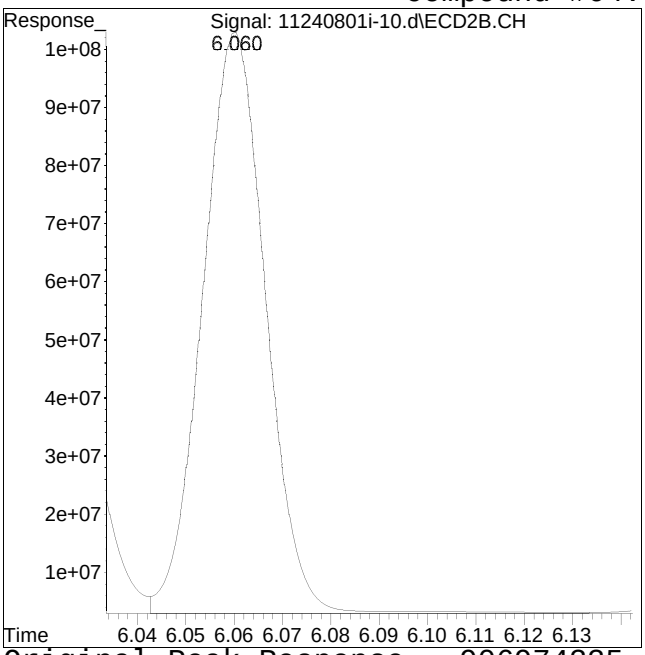
Original Peak Response = 1127912897 Manual Peak Response = 1123400626 M4
M4 = Poor automated baseline construction.

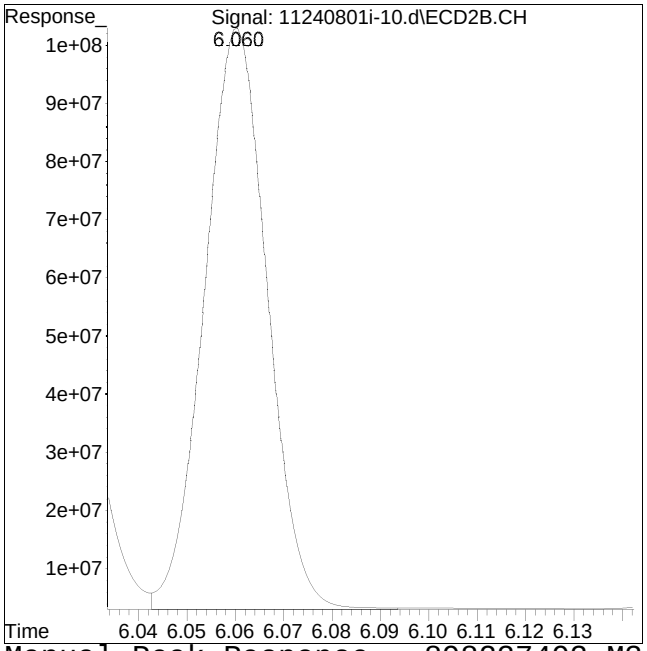
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #64: Endrin Ketone #2





Original Peak Response = 906974335 Manual Peak Response = 898237493 M3

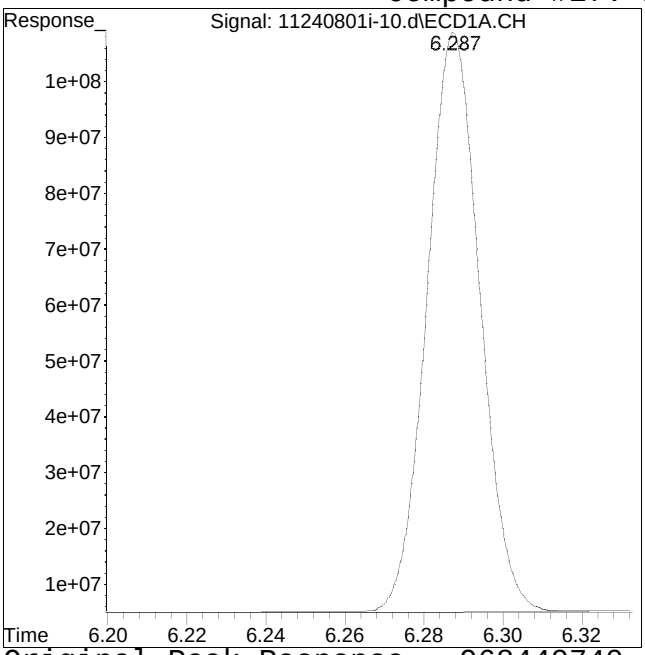
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

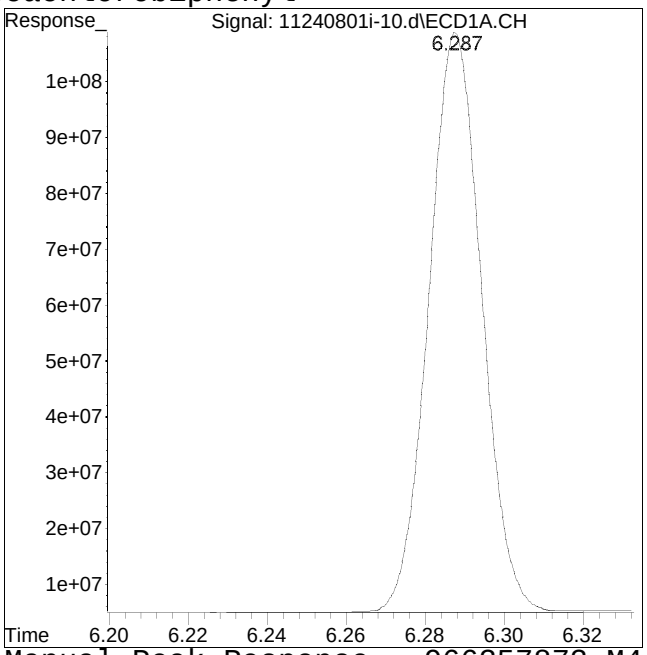
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 968440740



Manual Peak Response = 966357873 M4

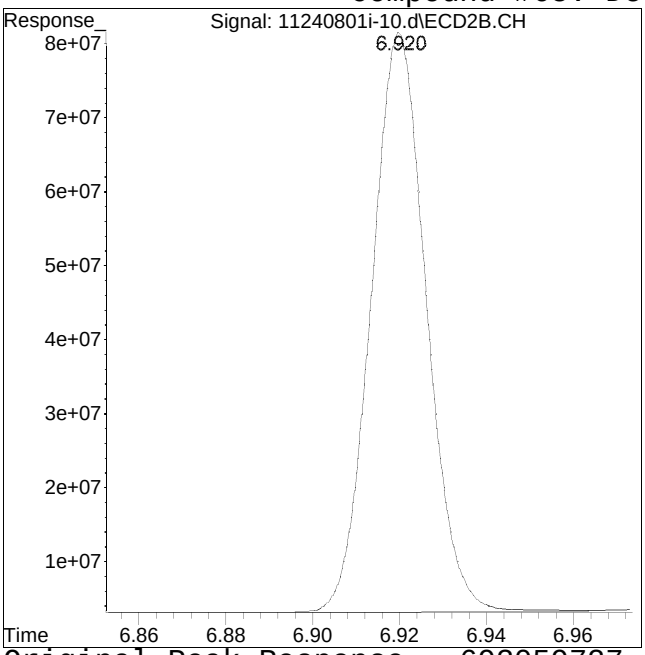
M4 = Poor automated baseline construction.

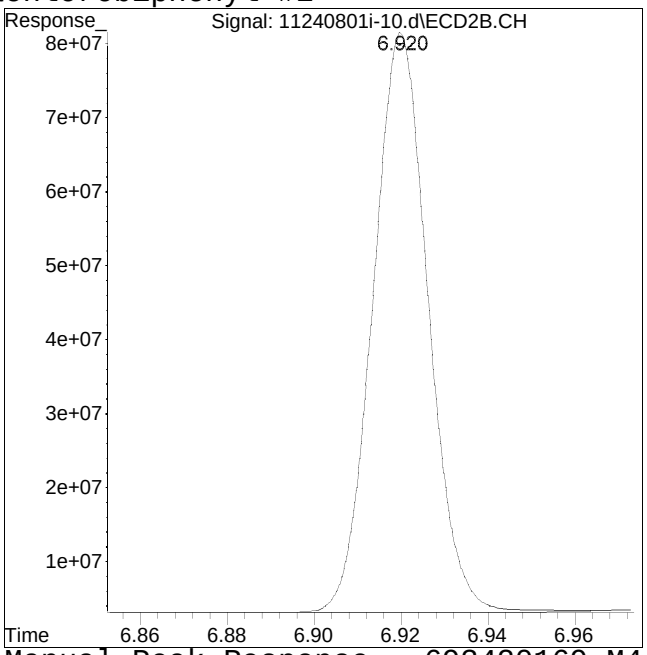
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-10.d
Date Inj'd : 8/1/2024 20:01
Sample : il9pest,42e,,pp 11680 L0.1

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:10 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 693059727 Manual Peak Response = 693420169 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	234.6E6	183.1E6	25.000M3	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	1913.3E6	1598.0E6	193.264M3	202.706M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		386.53%#	405.41%#
27) s	Decachlorobi	6.288	6.920	1913.5E6	1380.9E6	195.015M4	201.842M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		390.03%#	403.68%#
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	2442.7E6	1675.4E6	191.797M3	199.678
4) t	alpha-BHC	1.964	2.271	3010.2E6	2583.6E6	198.283M4	206.150M3
5) t	gamma-BHC (l	2.166	2.557	2765.0E6	2320.8E6	197.699M3	205.175M4
6) t	beta-BHC	2.221	2.622	1120.5E6	933.3E6	194.276M4	198.901M4
7) t	delta-BHC	2.350	2.889	2819.2E6	2384.1E6	199.250M4	206.915M4
8) t	Heptachlor	2.513	2.952	2482.5E6	2268.1E6	191.877M4	198.593M4
9) t	Aldrin	2.757	3.271	2440.7E6	2165.8E6	197.425M4	203.689
10) t	Alachlor	2.877	3.153	373.3E6	252.0E6	178.169M4	180.792M3
11) t	Chlorpyrifos	2.969	3.506	874.1E6	975.3E6	175.986M4	185.391M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.301	3.884	2205.7E6	1981.0E6	192.763M3	199.269M4
13)	t	gamma-Chlord	3.425	4.105	2083.4E6	1868.5E6	200.885M4	206.064M4
14)	t	alpha-Chlord	3.559	4.274	2331.6E6	2051.6E6	198.900M3	204.428M4
15)	t	4,4'-DDE	3.657	4.473	2393.8E6	2077.4E6	202.115M4	207.169M3
16)	t	Endosulfan I	3.696	4.336	2104.4E6	1850.2E6	194.817M4	199.685M4
17)	t	Dieldrin	3.955	4.628	2245.1E6	1969.5E6	198.785M4	203.766M4
18)	t	Endrin	4.210	4.926	2229.3E6	1985.9E6	195.383M3	202.639M4
19)	t	4,4'-DDD	4.322	5.050	1880.5E6	1661.0E6	203.384M4	208.277M4
20)	t	Endosulfan I	4.452	5.126	1974.6E6	1684.2E6	192.875M4	198.396M4
21)	t	4,4'-DDT	4.616	5.326	2109.7E6	1890.1E6	202.314M4	207.312M3
22)	t	Endrin Aldeh	4.869	5.421	1666.3E6	1402.7E6	198.364M4	202.391M3
23)	t	Methoxychlor	5.104	5.890	988.3E6	899.3E6	185.976M4	196.434M3
24)	t	Mirex	5.160	6.023	1621.2E6	1338.7E6	194.224M4	199.638M4
25)	t	Endosulfan S	5.260	5.649	1840.3E6	1637.4E6	194.770M3	201.144M4
26)	t	Endrin Keton	5.487	6.060	2176.6E6	1757.5E6	191.458M4	198.938M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

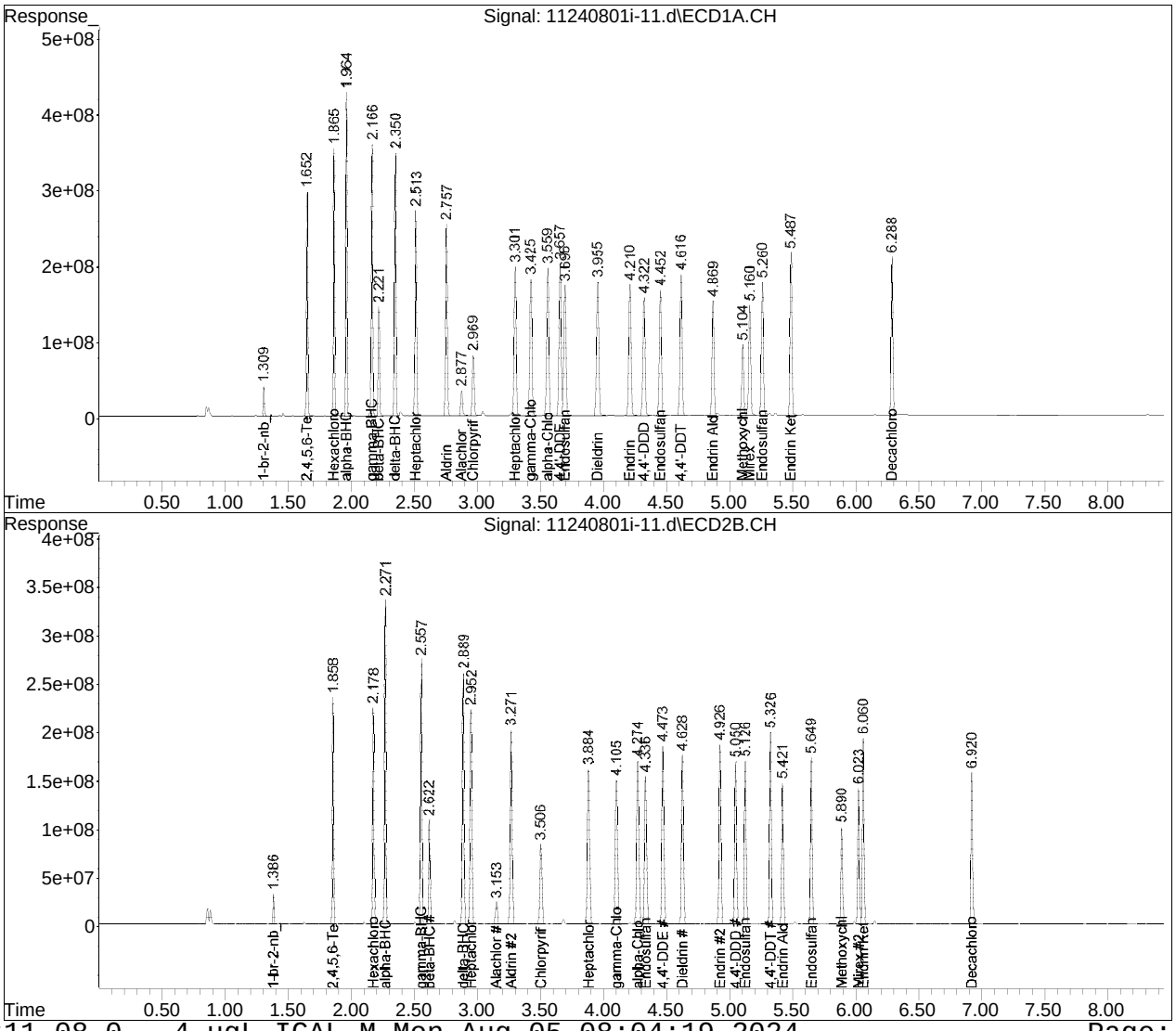
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:12
Operator : PEST11:ejl
Sample : il10pest,42e,,pp 11679 L0.2
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:29:32 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

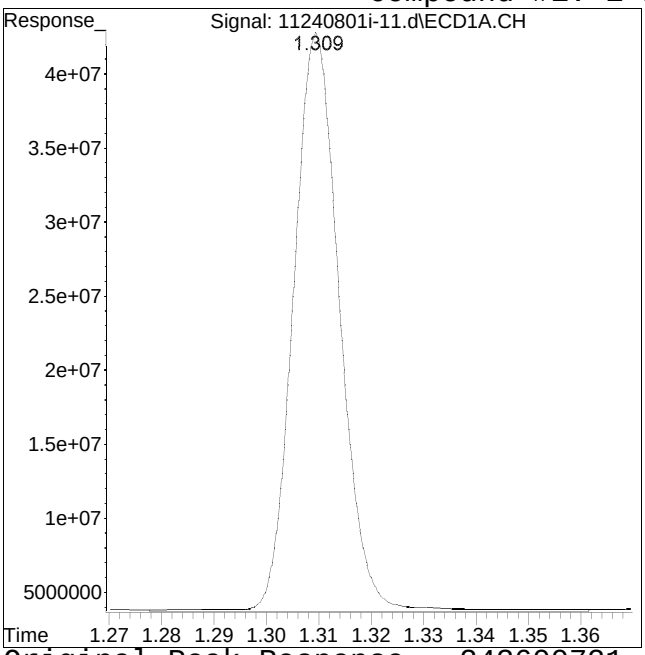
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

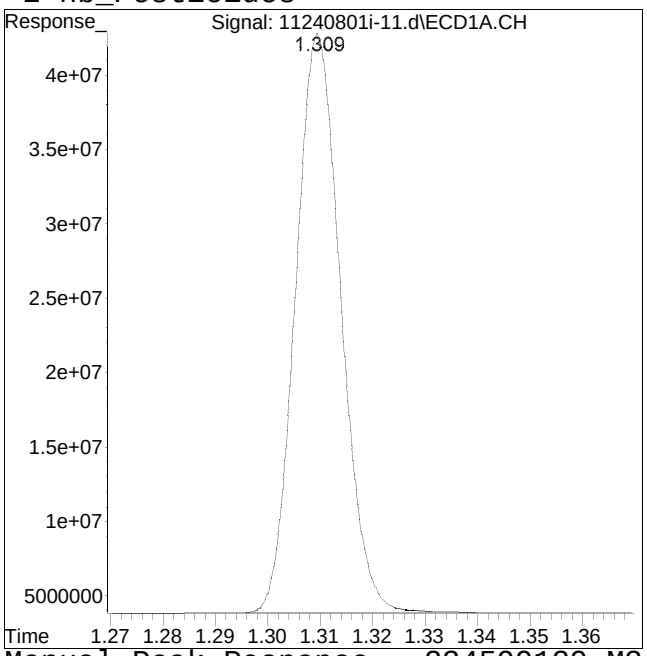


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #1: 1-br-2-nb_Pesticides





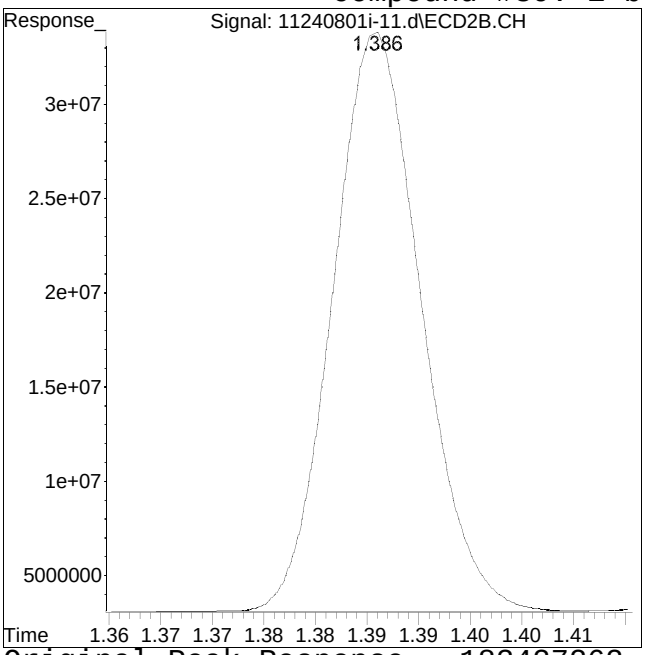
Original Peak Response = 243600721 Manual Peak Response = 234599129 M3

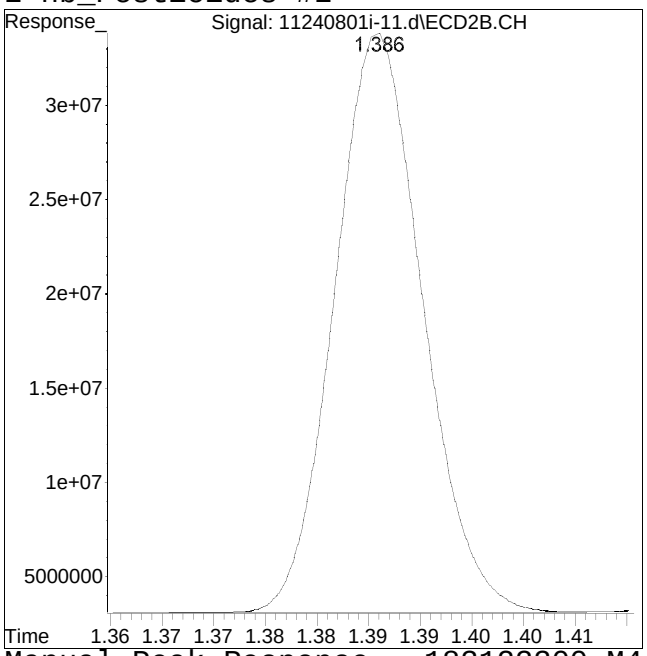
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #39: 1-br-2-nb_Pesticides #2



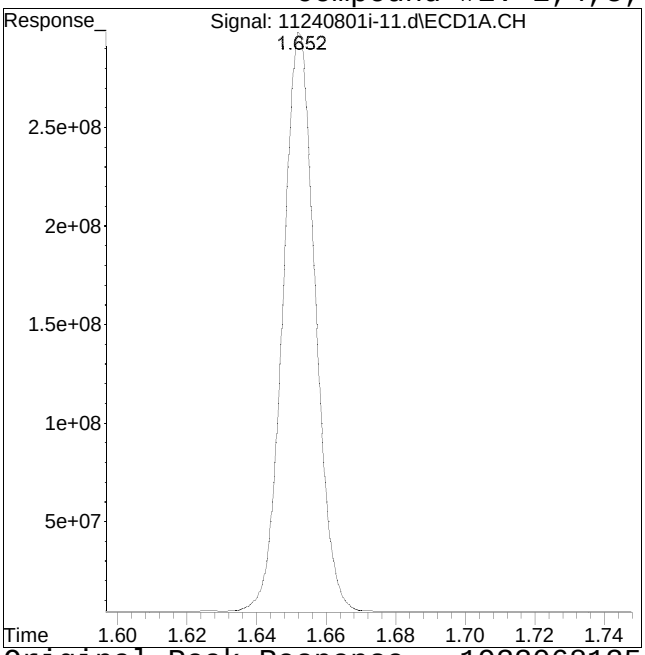


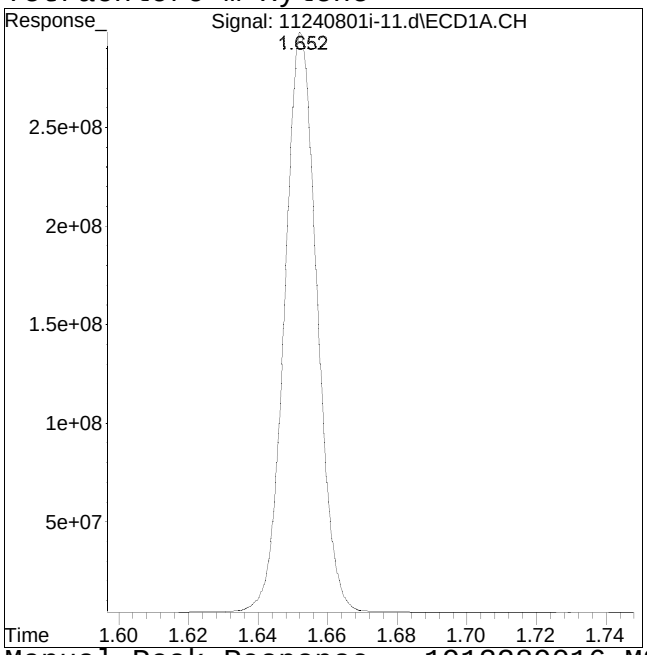
Original Peak Response = 183427262 Manual Peak Response = 183123300 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





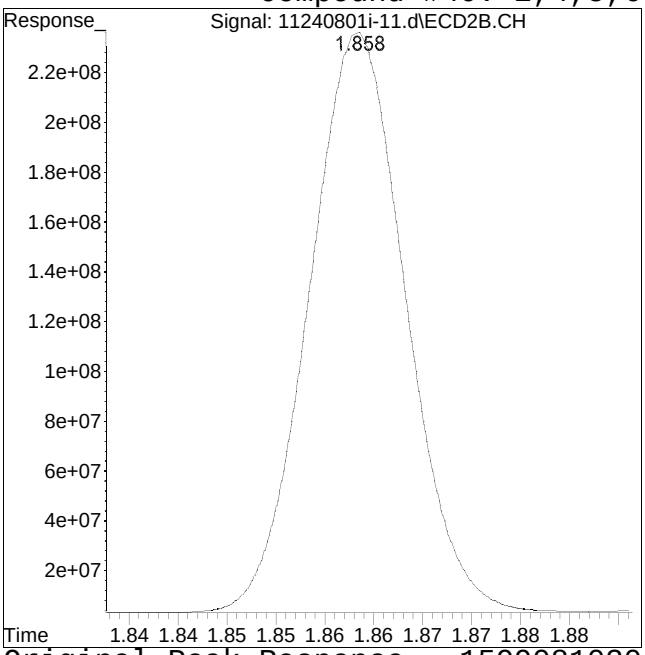
Original Peak Response = 1933068135 Manual Peak Response = 1913289016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

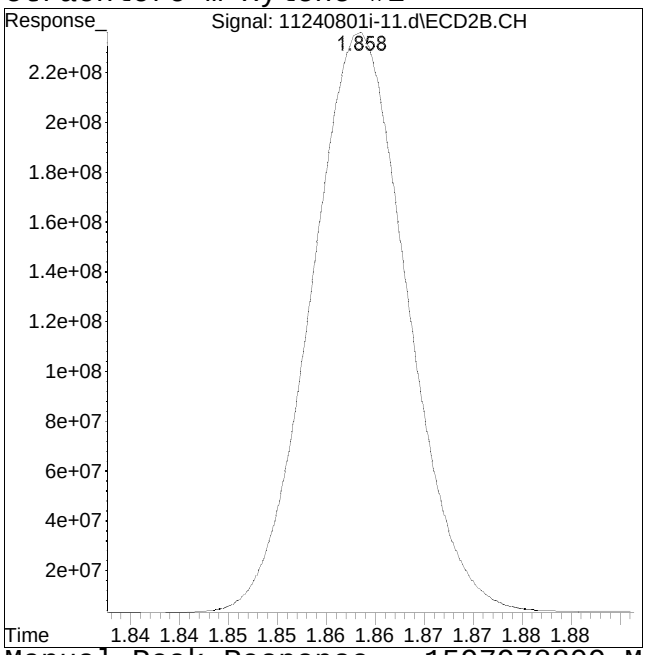
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



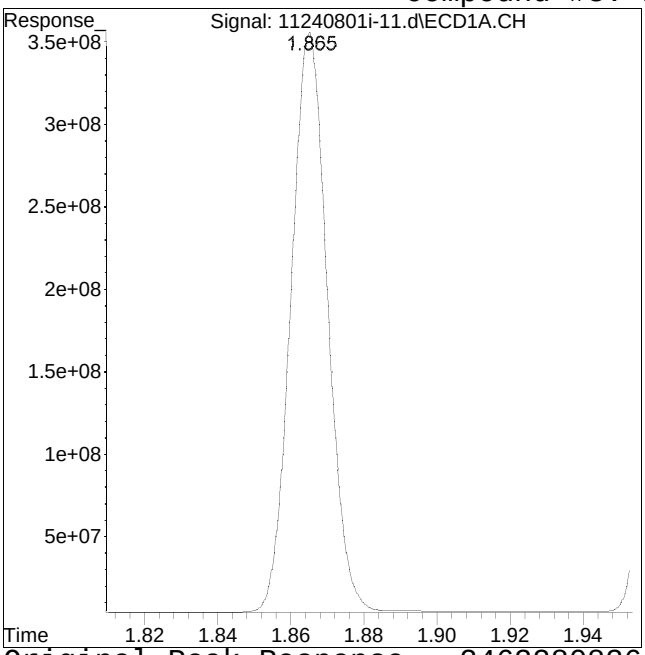


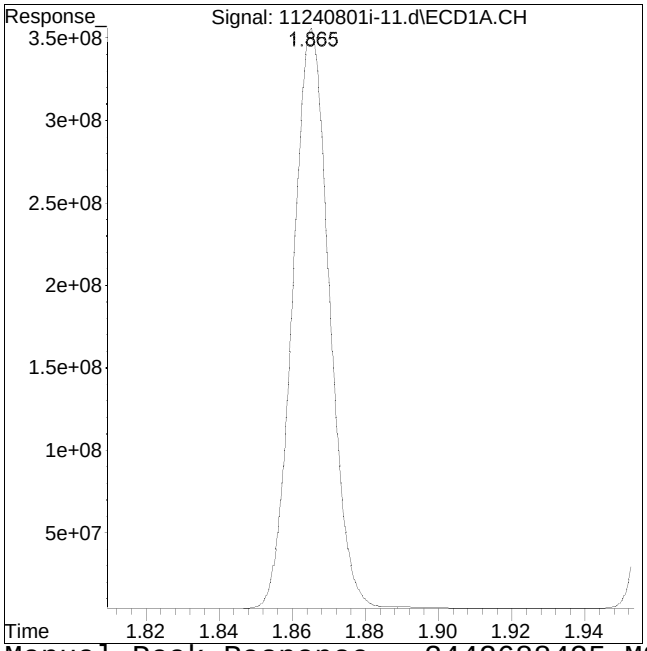
Original Peak Response = 1599081030 Manual Peak Response = 1597978809 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #3: Hexachlorobenzene



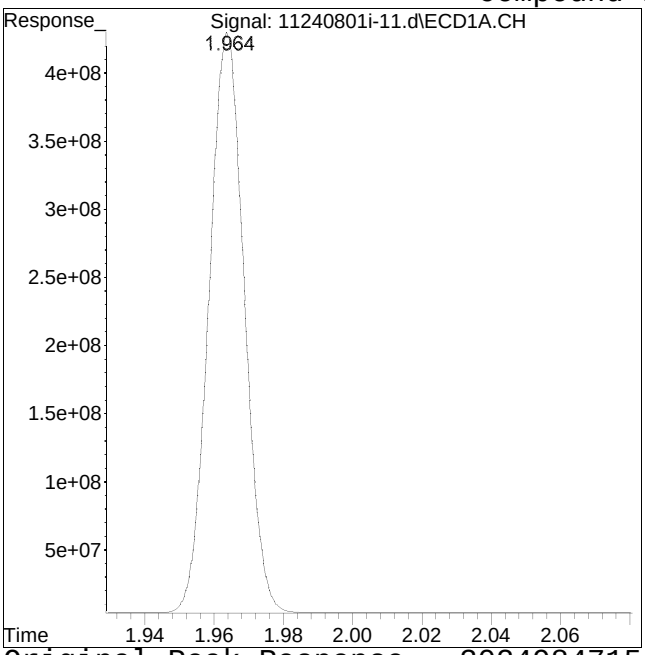


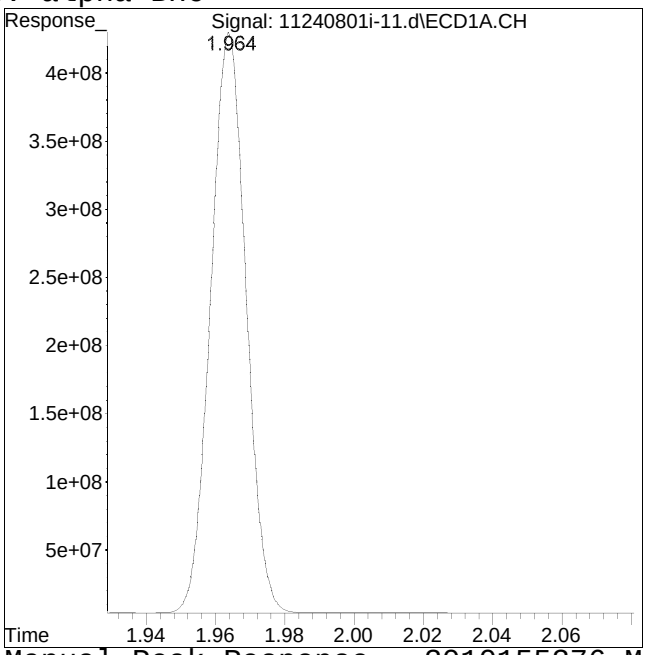
Original Peak Response = 2463280836 Manual Peak Response = 2442688435 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #4: alpha-BHC



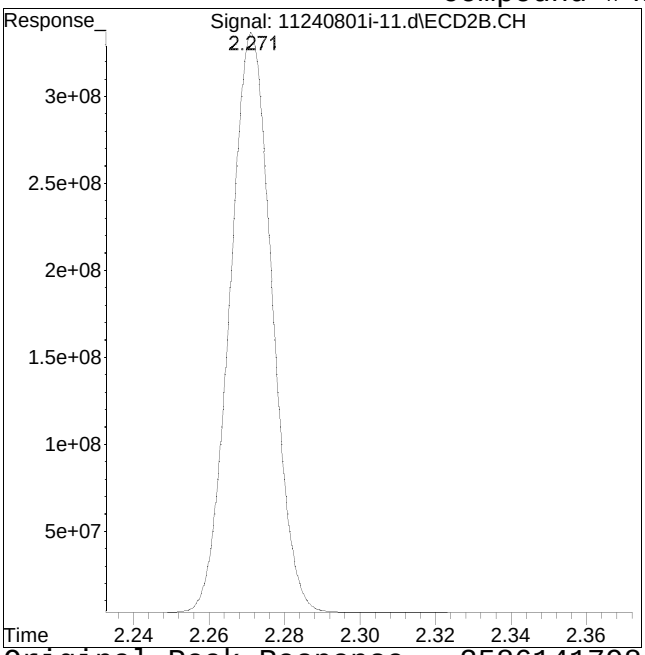


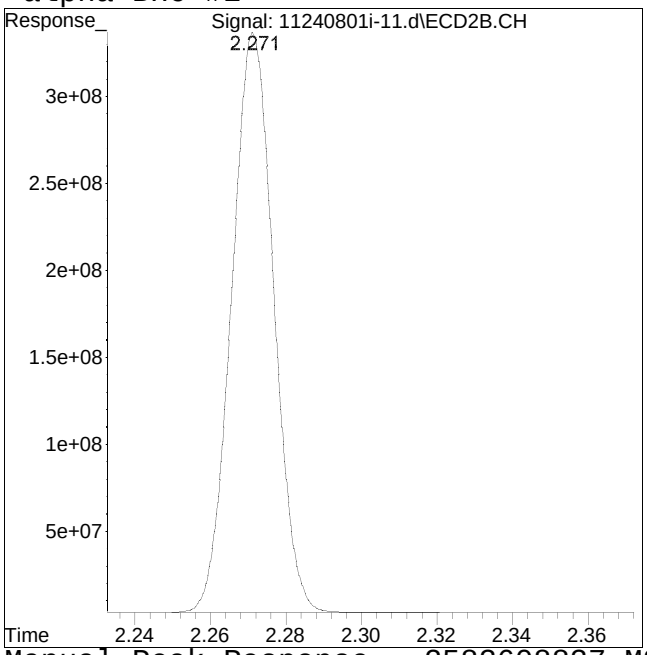
Original Peak Response = 3024984715 Manual Peak Response = 3010155376 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #42: alpha-BHC #2



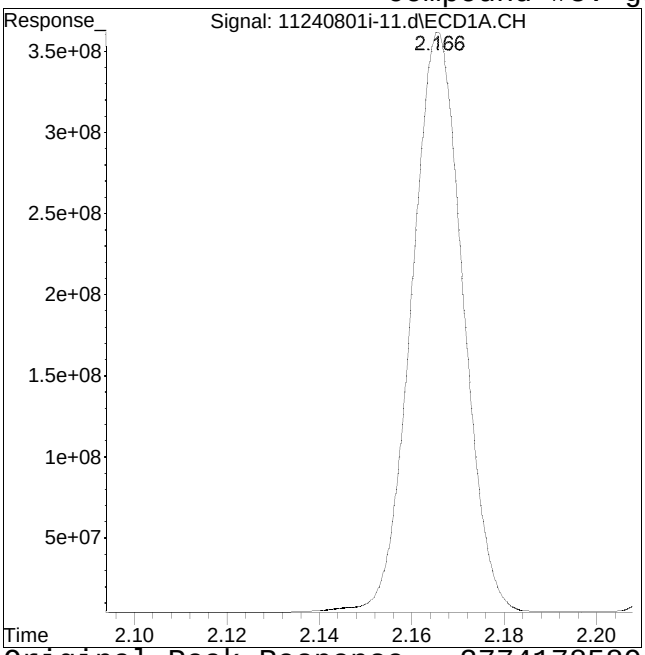


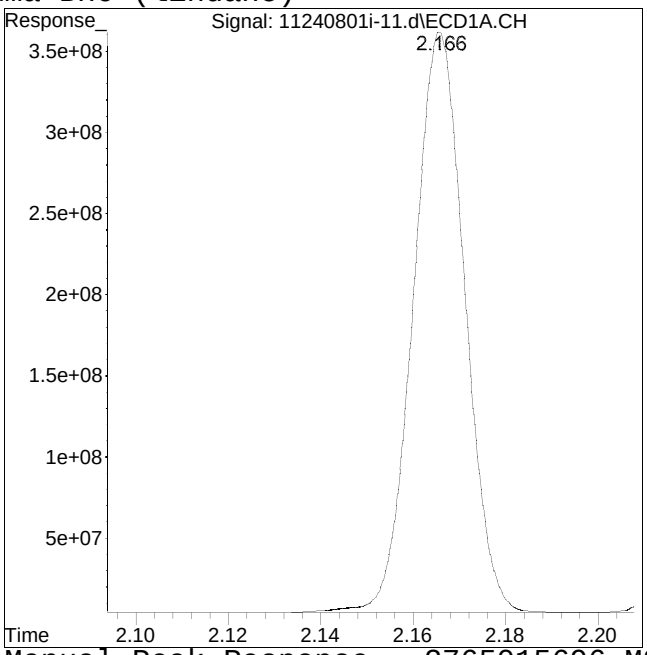
Original Peak Response = 2586141798 Manual Peak Response = 2583608837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #5: gamma-BHC (lindane)



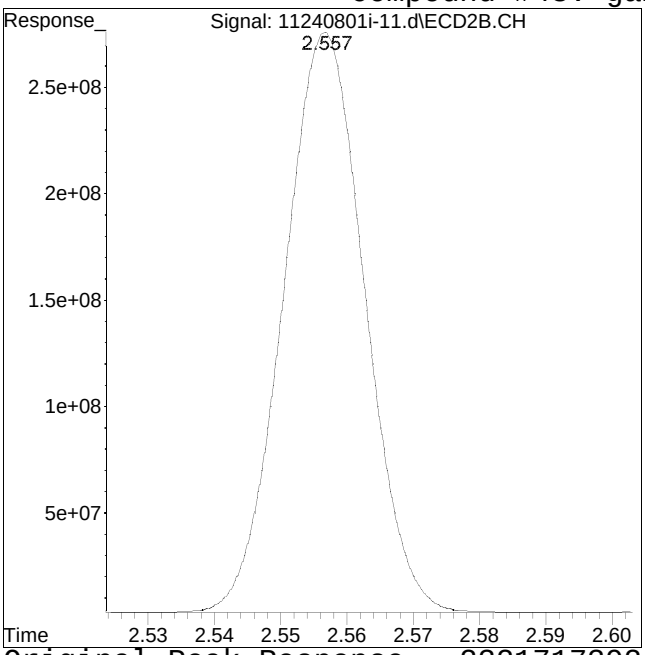


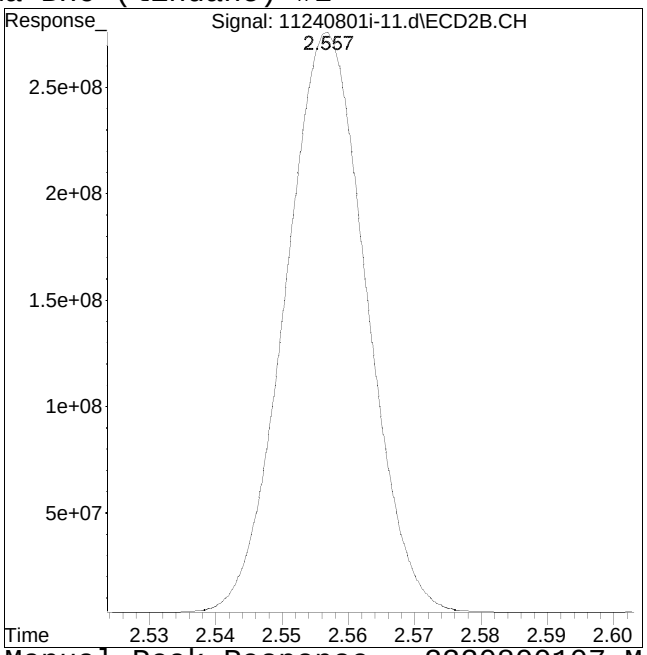
Original Peak Response = 2774178589 Manual Peak Response = 2765015696 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #43: gamma-BHC (lindane) #2



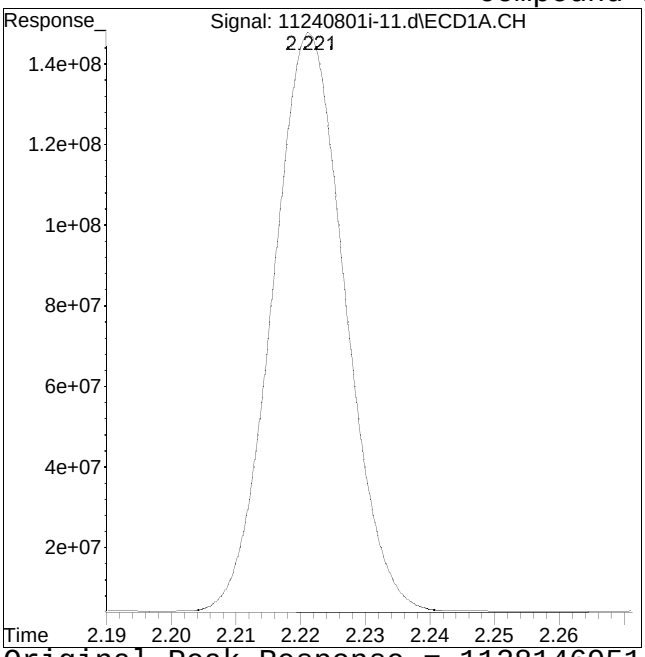


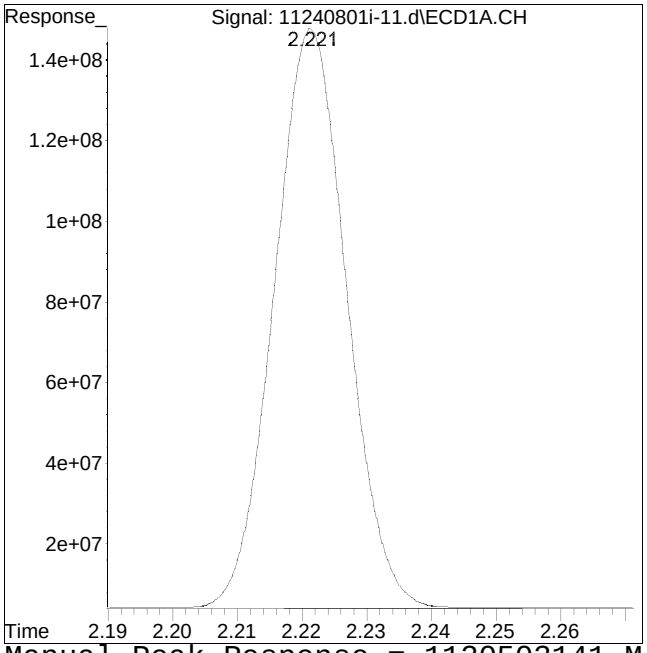
Original Peak Response = 2321717392 Manual Peak Response = 2320800107 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #6: beta-BHC



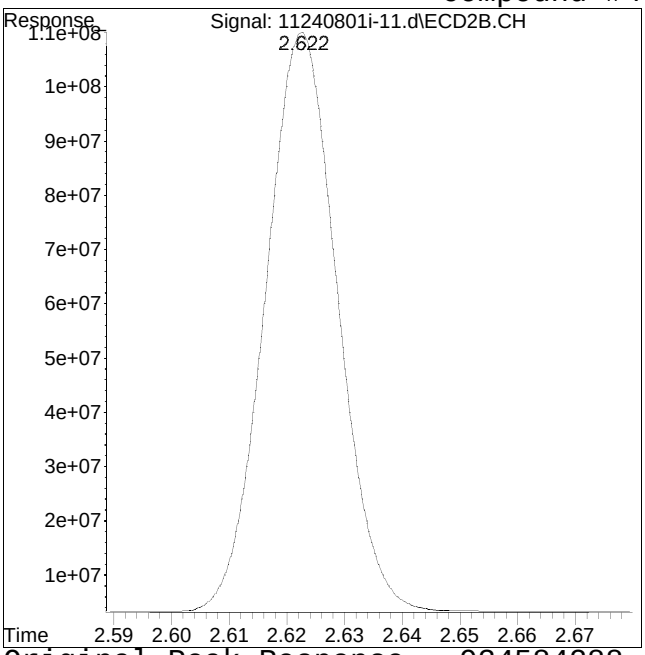


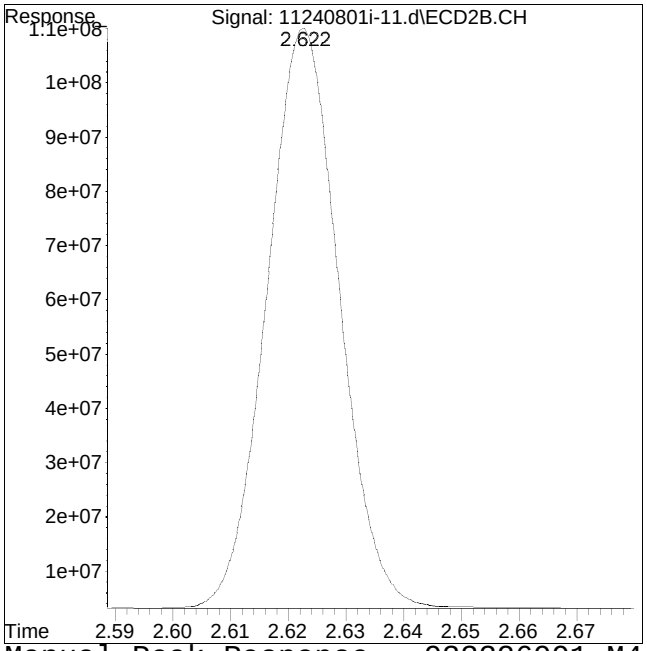
Original Peak Response = 1128146951 Manual Peak Response = 1120503141 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #44: beta-BHC #2





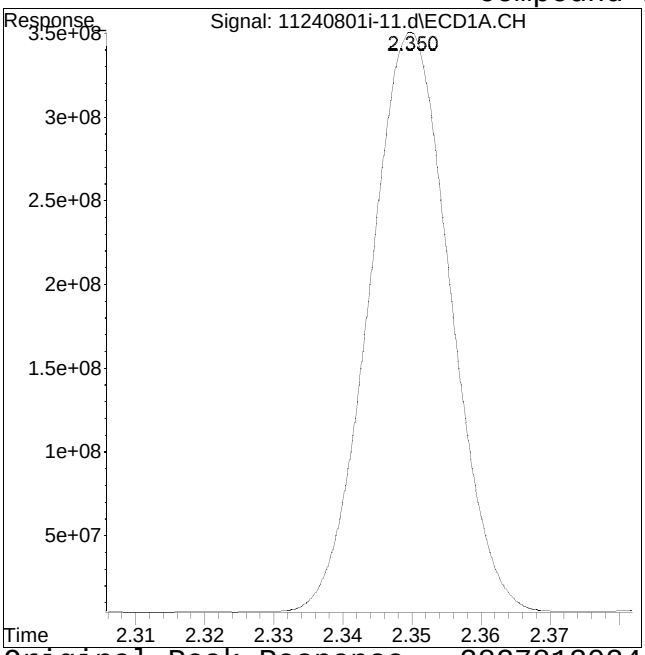
Original Peak Response = 934584288 Manual Peak Response = 933326991 M4
M4 = Poor automated baseline construction.

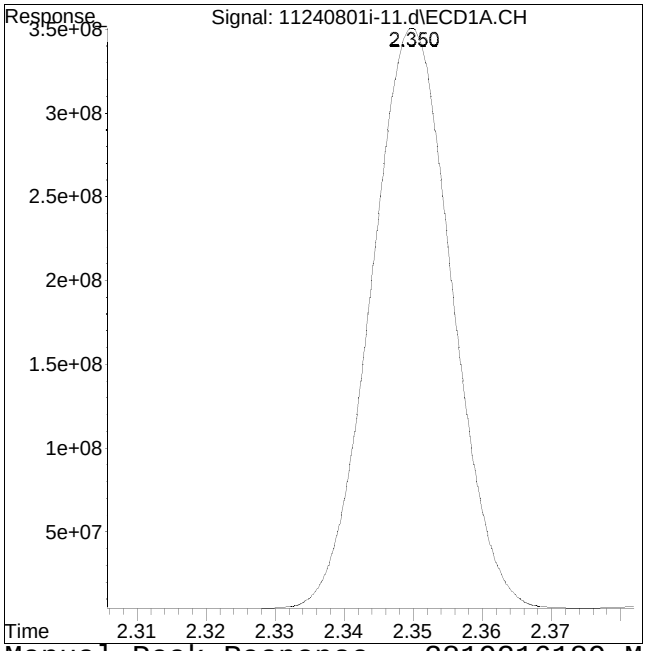
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #7: delta-BHC





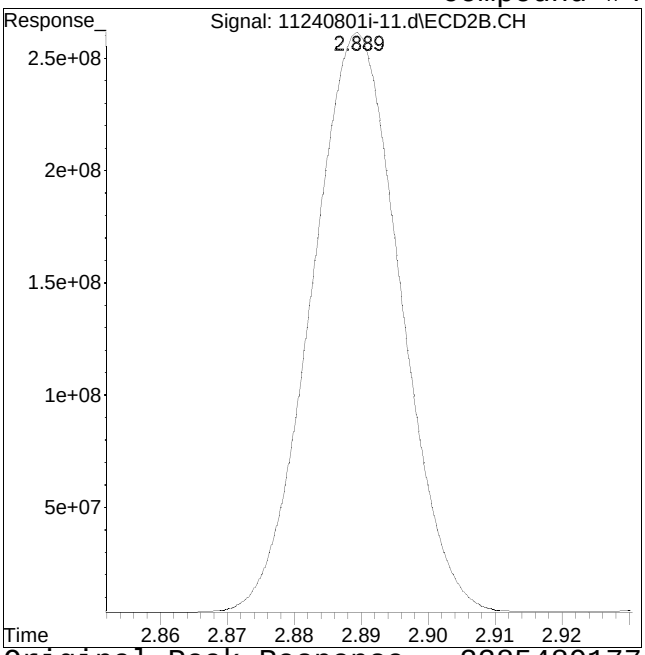
Original Peak Response = 2827813024 Manual Peak Response = 2819216189 M4
M4 = Poor automated baseline construction.

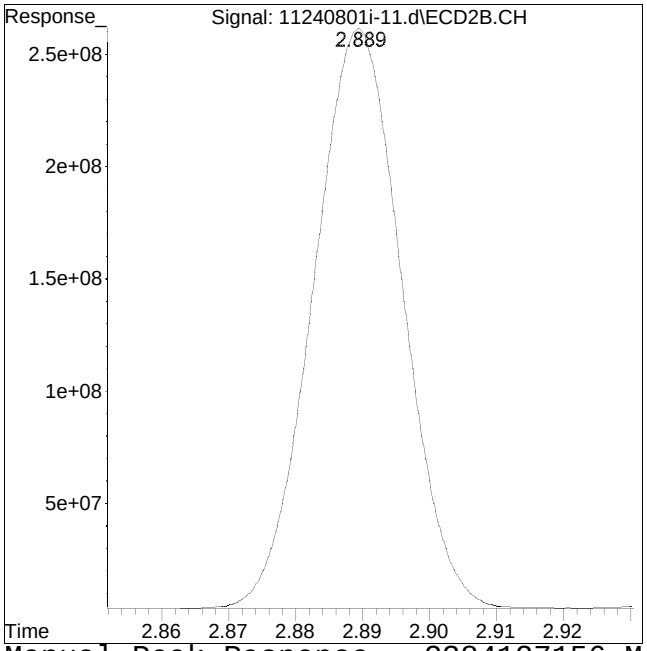
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #45: delta-BHC #2





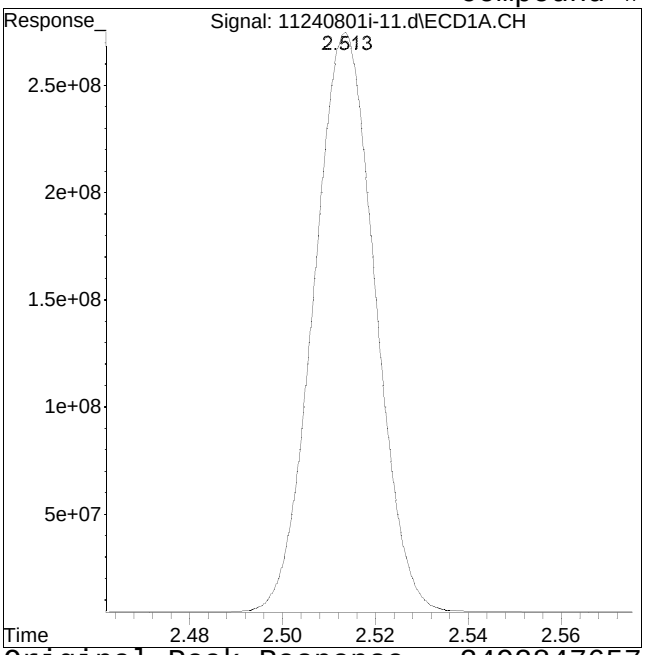
Original Peak Response = 2385489177 Manual Peak Response = 2384127156 M4
M4 = Poor automated baseline construction.

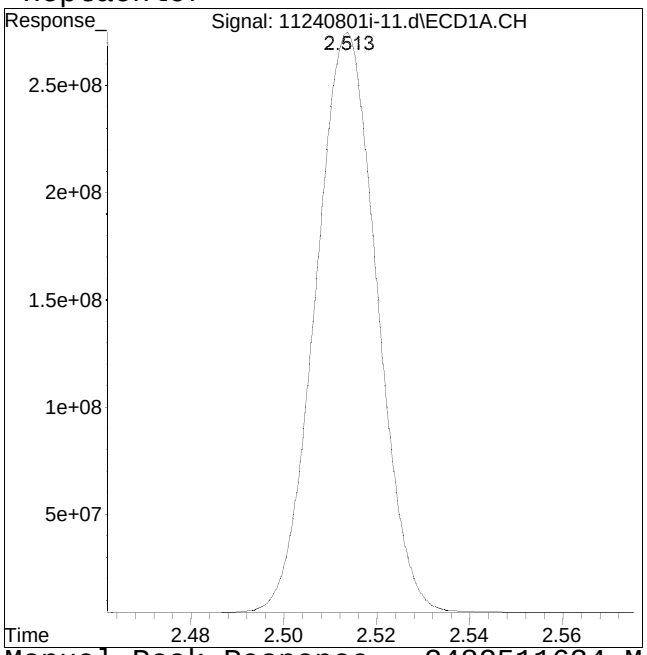
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #8: Heptachlor



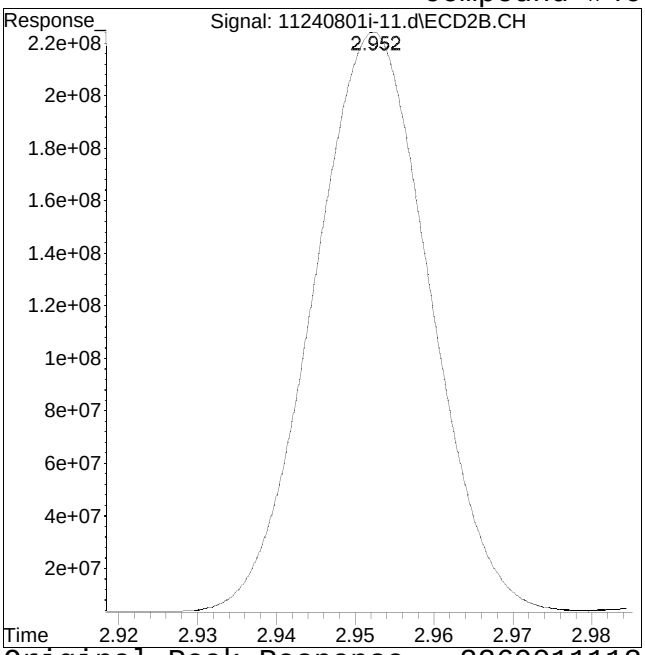


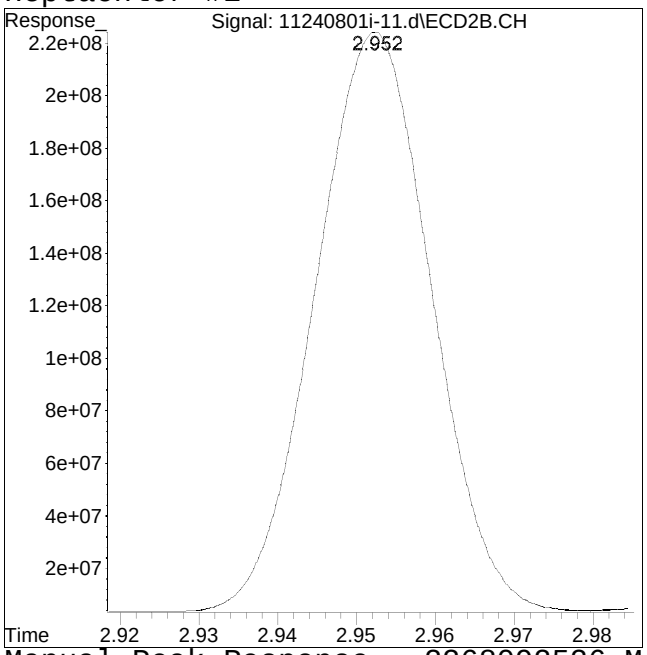
Original Peak Response = 2492847657 Manual Peak Response = 2482511634 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #46: Heptachlor #2





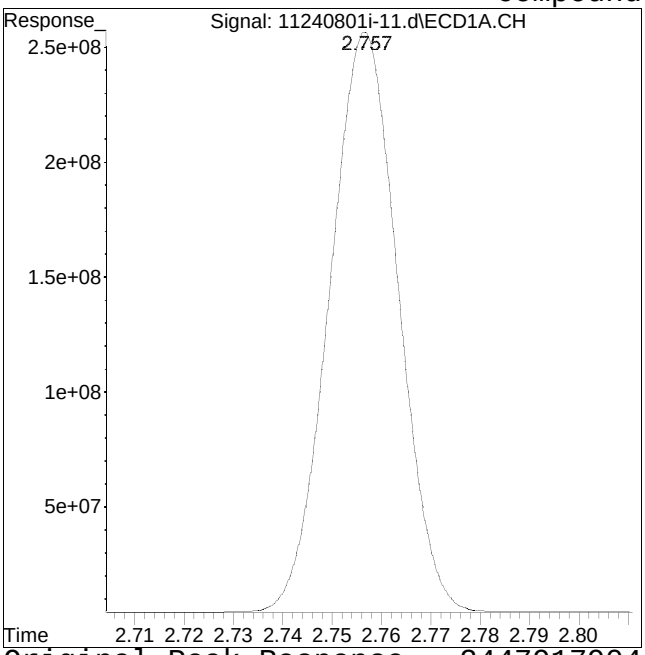
Original Peak Response = 2269011113 Manual Peak Response = 2268092526 M4
M4 = Poor automated baseline construction.

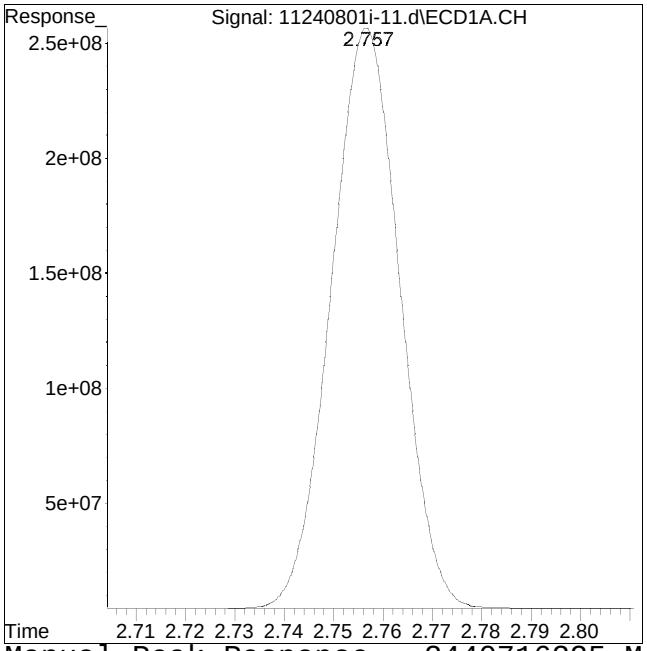
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #9: Aldrin





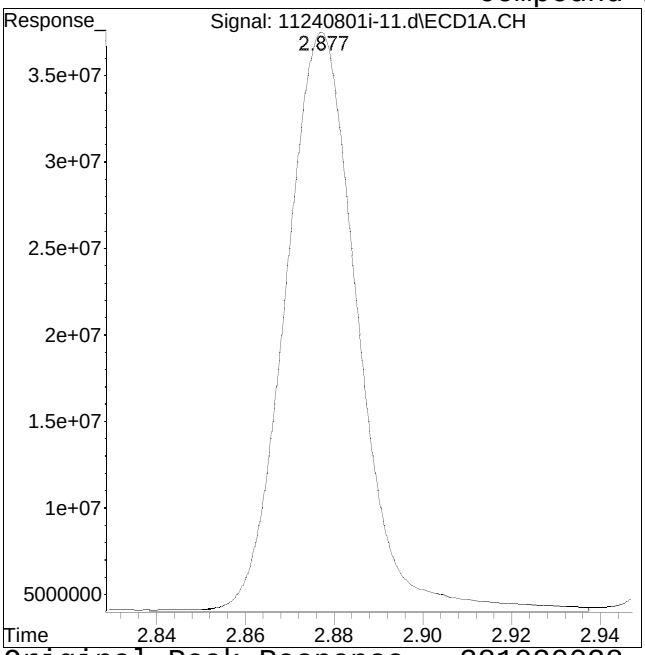
Original Peak Response = 2447917904 Manual Peak Response = 2440716225 M4
M4 = Poor automated baseline construction.

Manual Integration Report

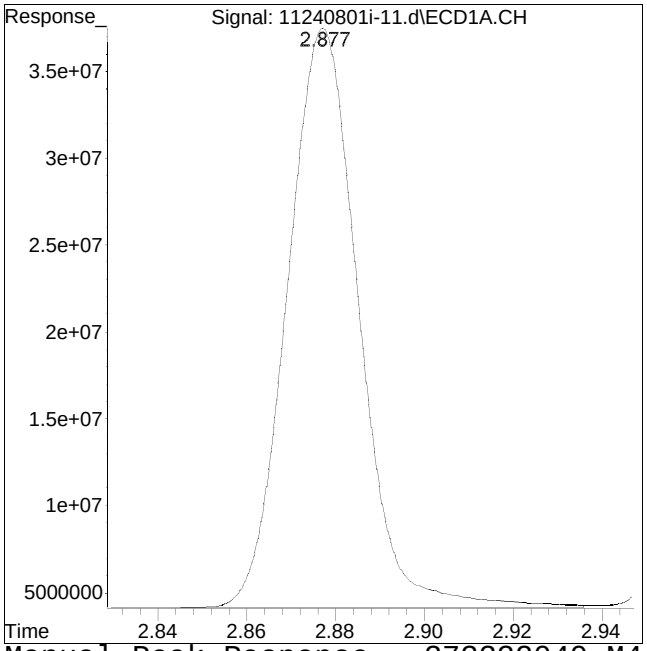
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #10: Alachlor



Original Peak Response = 381020028



Manual Peak Response = 373332040 M4

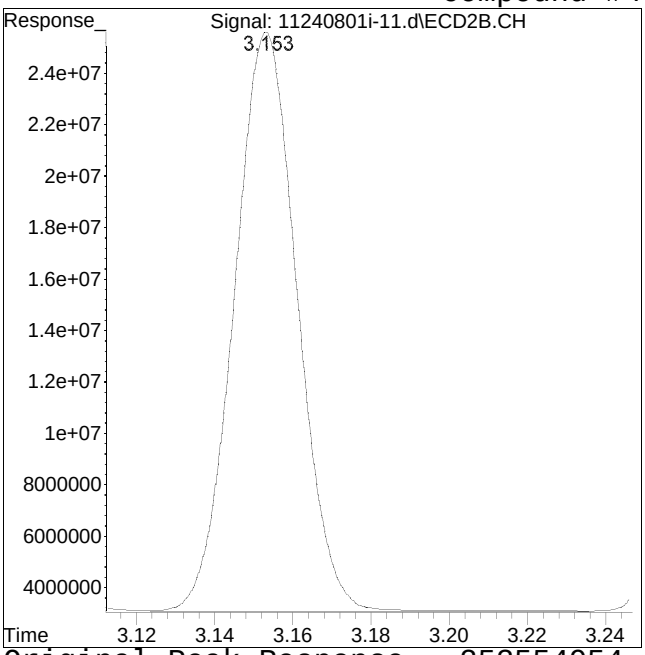
M4 = Poor automated baseline construction.

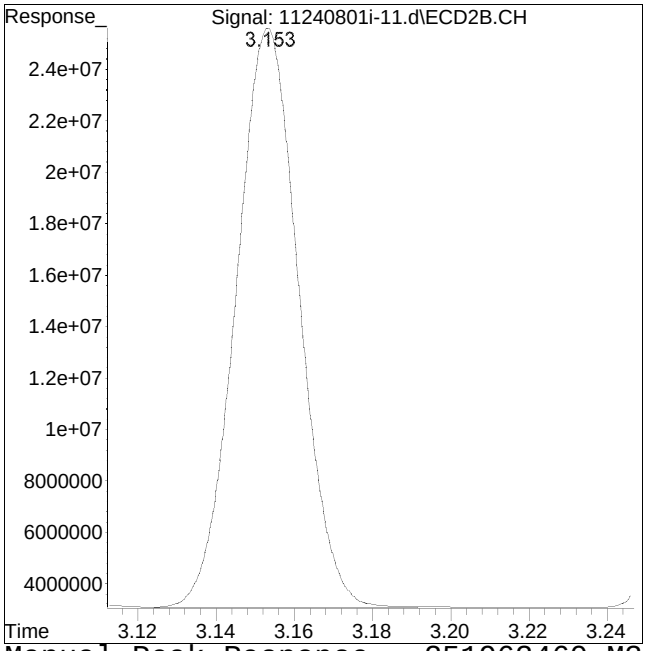
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #48: Alachlor #2





Original Peak Response = 253554954 Manual Peak Response = 251963460 M3

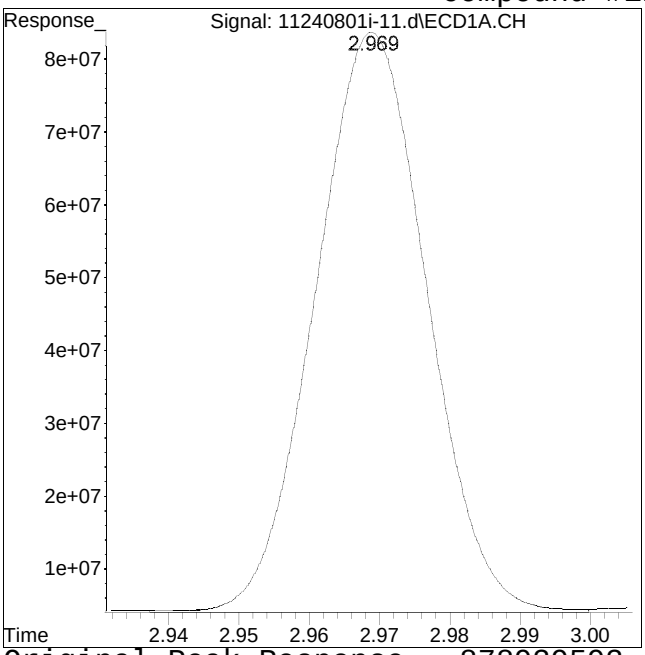
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

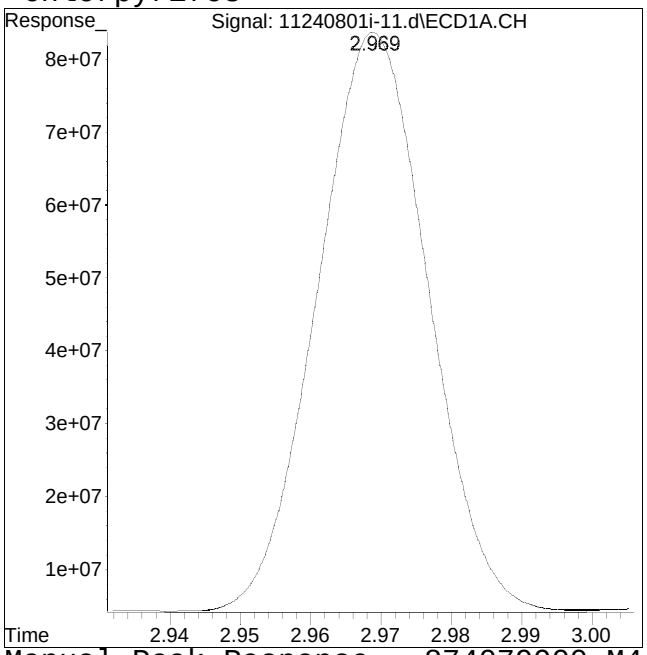
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #11: Chlorpyrifos



Original Peak Response = 878939593



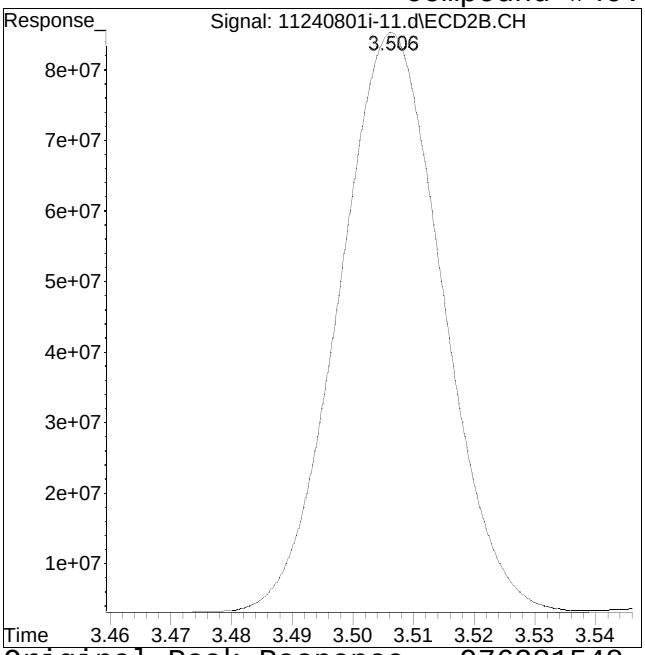
Manual Peak Response = 874079900 M4

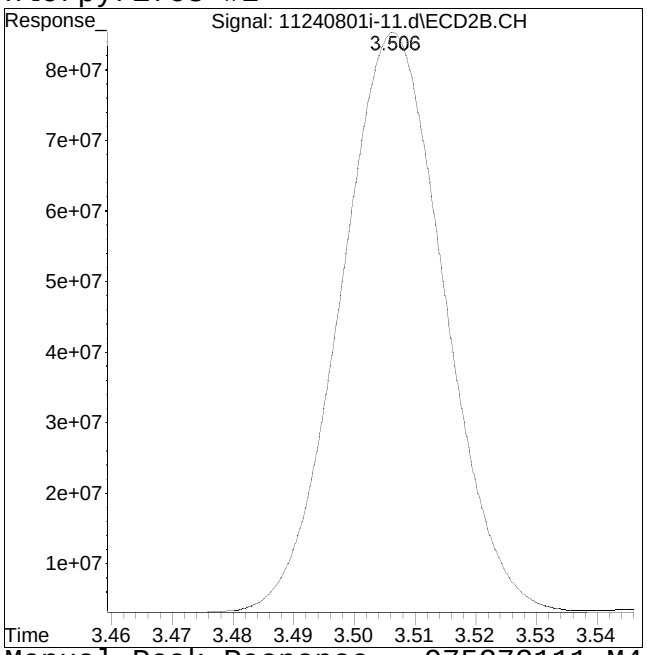
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #49: Chlorpyrifos #2





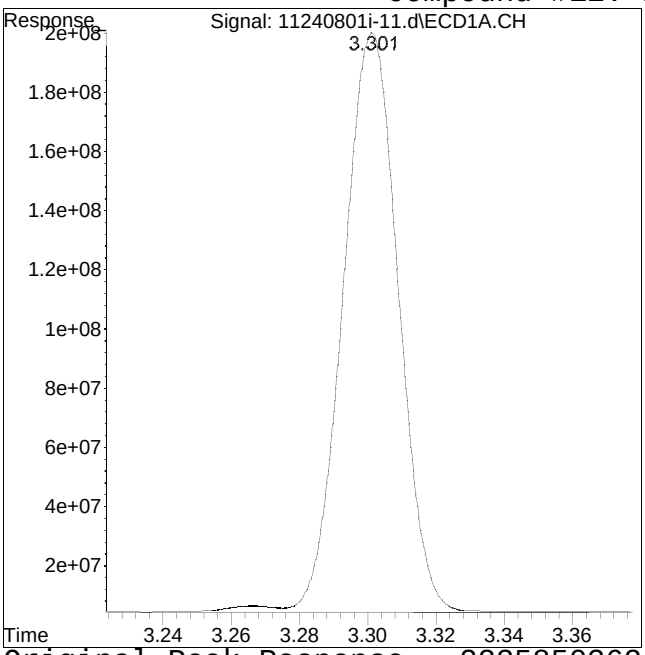
Original Peak Response = 976231548 Manual Peak Response = 975272111 M4
M4 = Poor automated baseline construction.

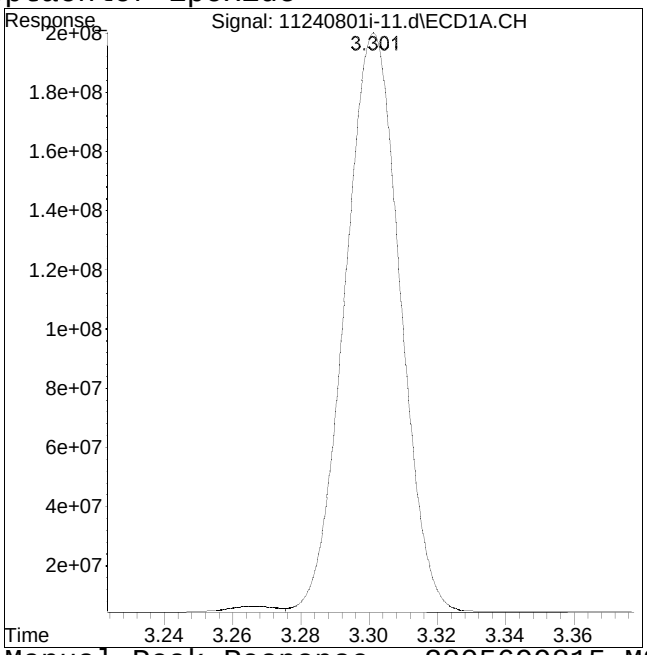
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 2235850362 Manual Peak Response = 2205699815 M3

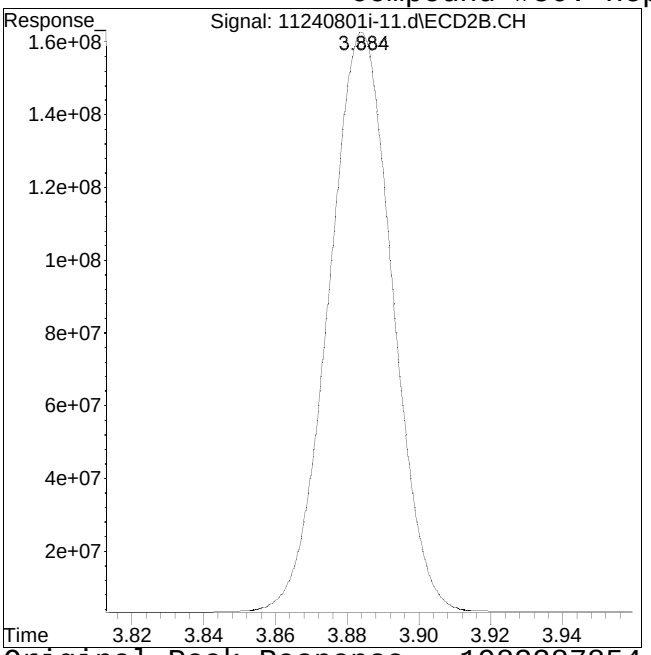
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

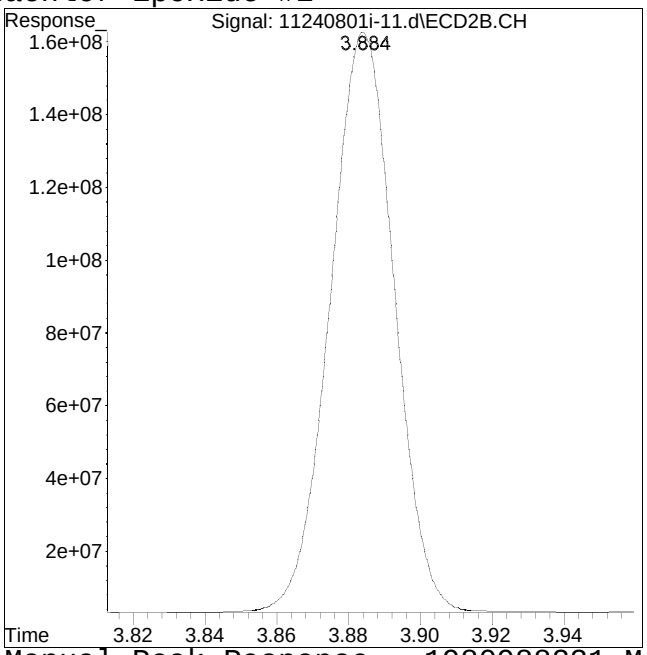
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #50: Heptachlor Epoxide #2





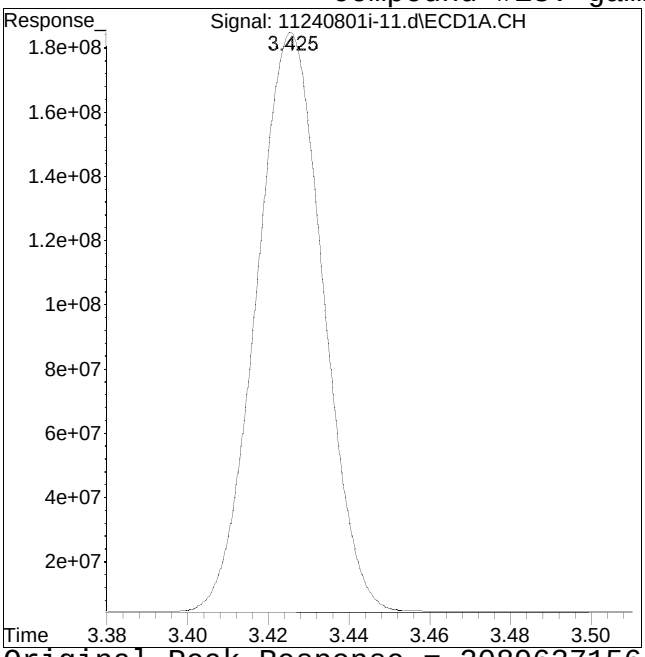
Original Peak Response = 1983387854 Manual Peak Response = 1980988231 M4
M4 = Poor automated baseline construction.

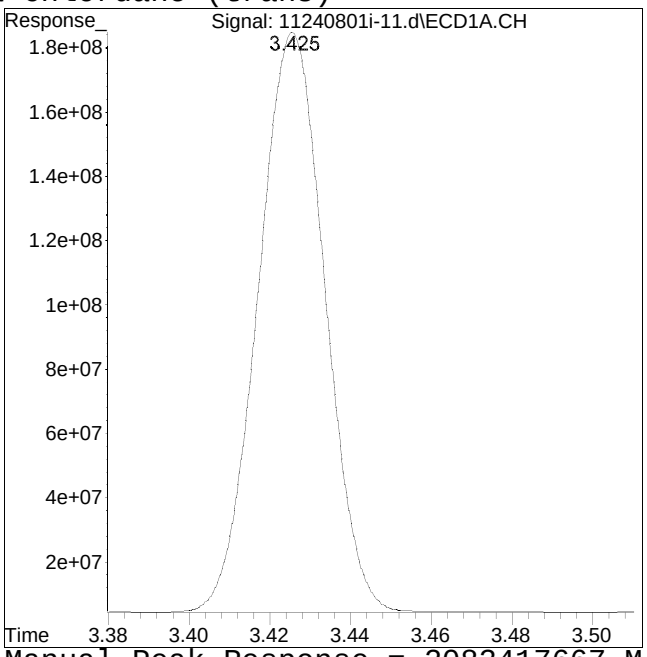
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #13: gamma-Chlordane (trans)



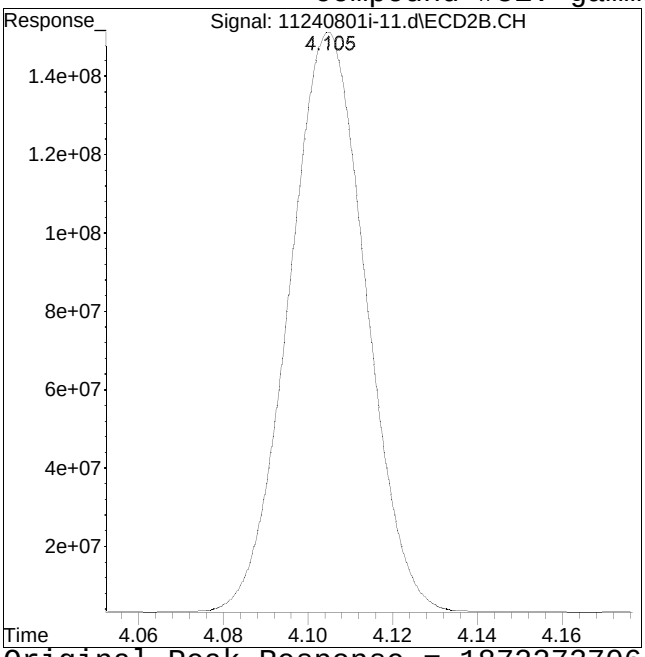


Original Peak Response = 2089637156 Manual Peak Response = 2083417667 M4
M4 = Poor automated baseline construction.

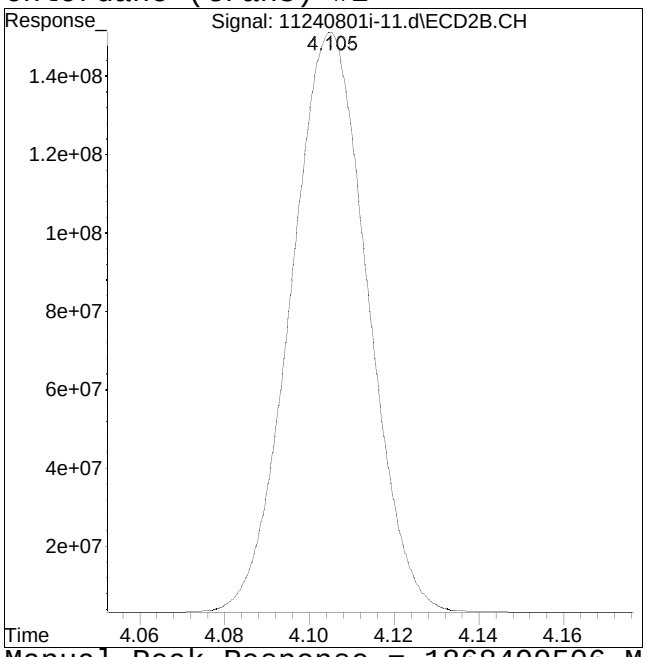
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 1872273706



Manual Peak Response = 1868499506 M4

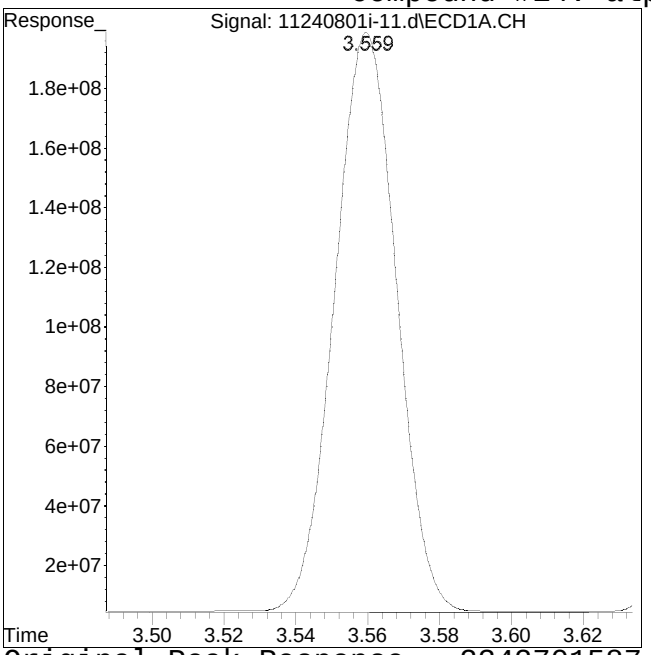
M4 = Poor automated baseline construction.

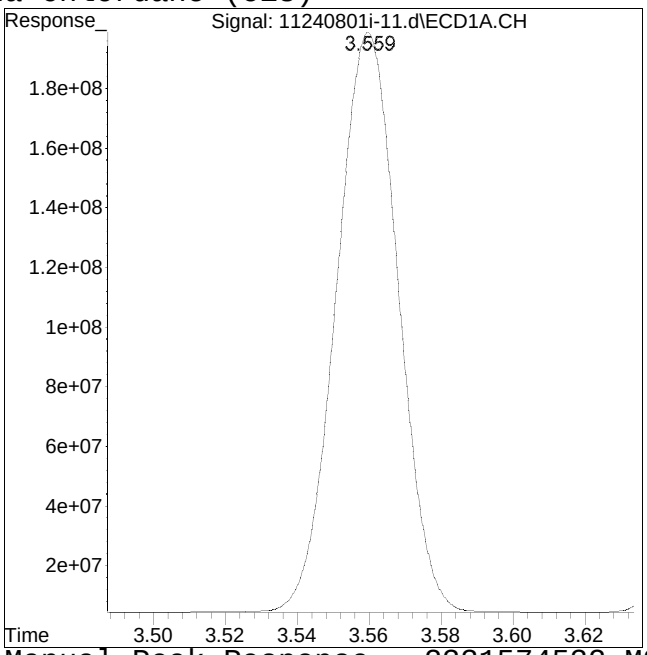
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #14: alpha-Chlordane (cis)





Original Peak Response = 2342701587 Manual Peak Response = 2331574532 M3

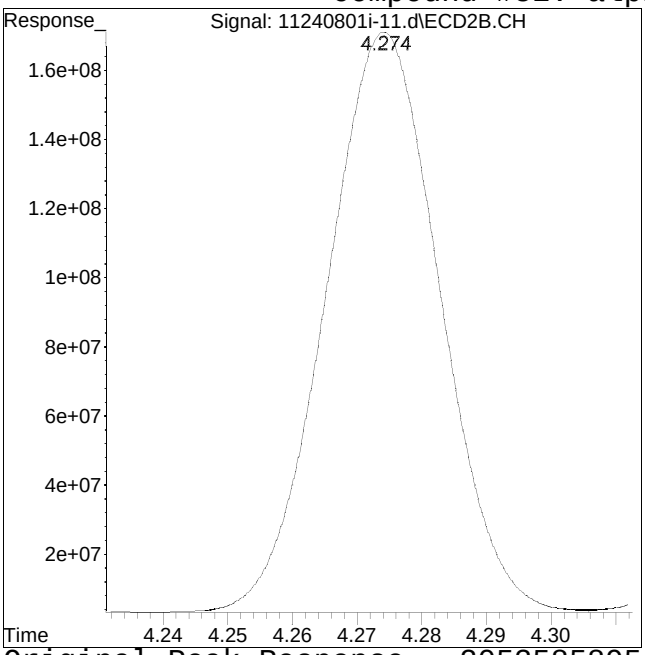
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

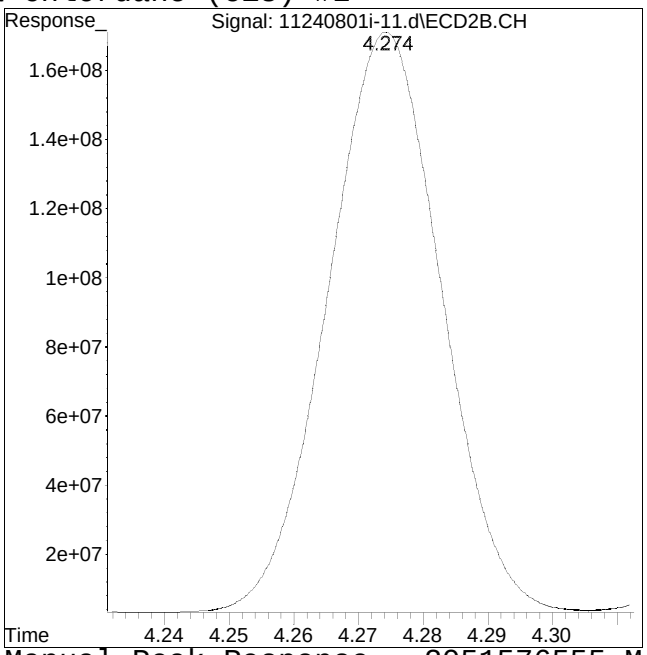
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #52: alpha-Chlordane (cis) #2





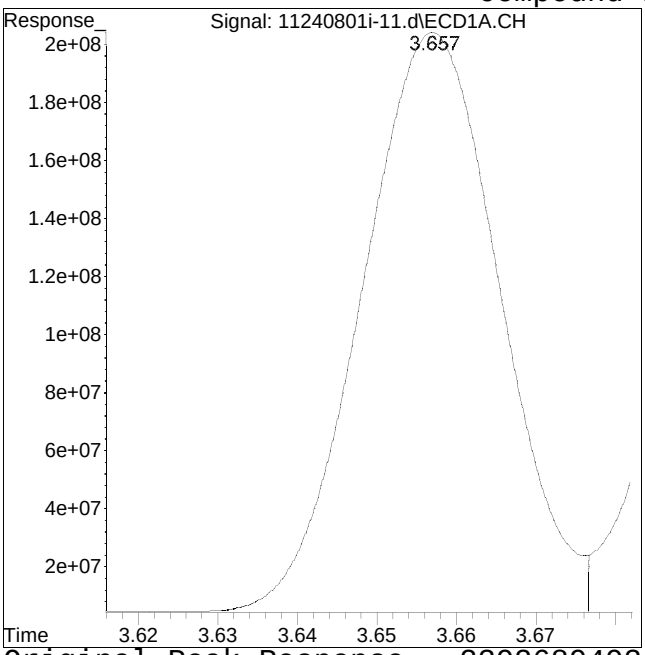
Original Peak Response = 2053585895 Manual Peak Response = 2051576555 M4
M4 = Poor automated baseline construction.

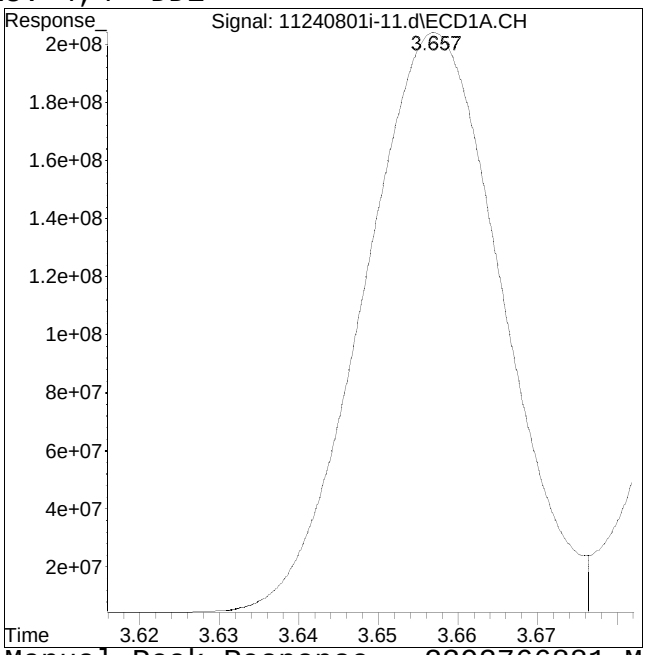
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #15: 4,4'-DDE





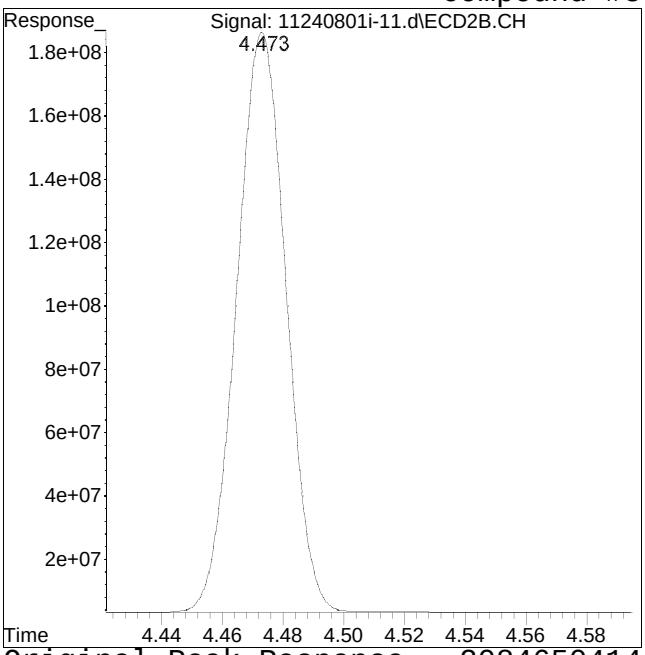
Original Peak Response = 2392689493 Manual Peak Response = 2393766881 M4
M4 = Poor automated baseline construction.

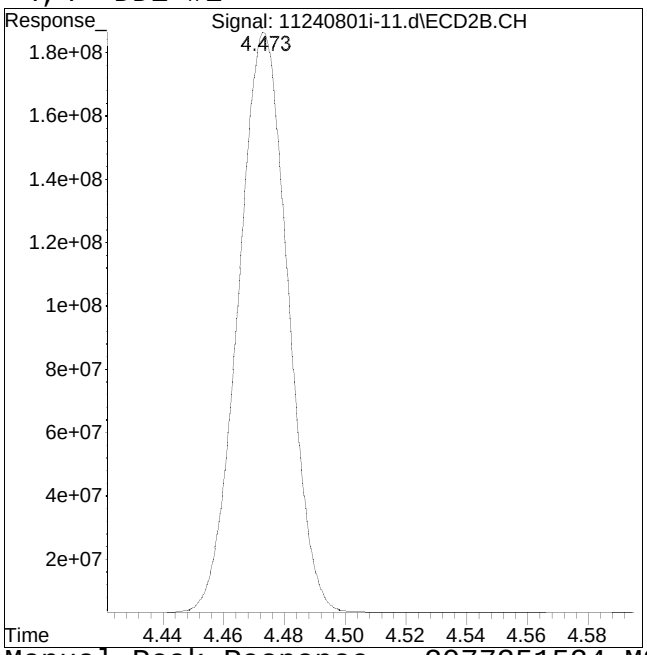
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #53: 4,4'-DDE #2





Original Peak Response = 2084650414 Manual Peak Response = 2077351524 M3

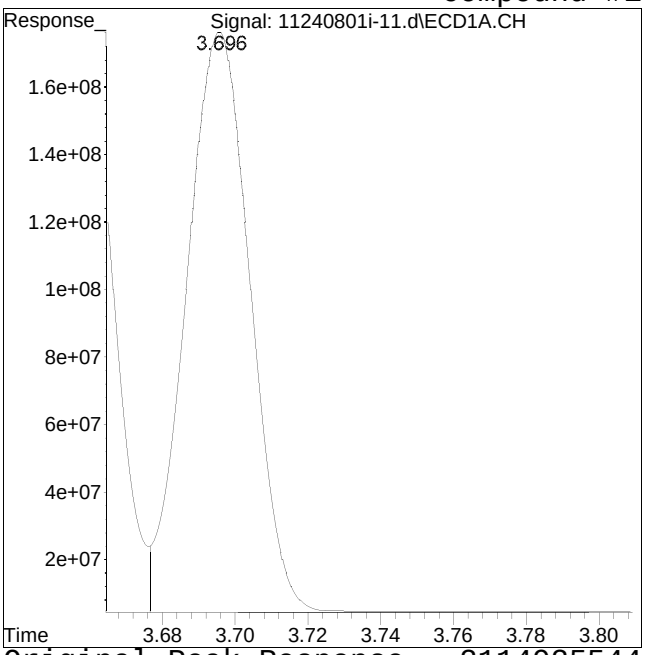
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

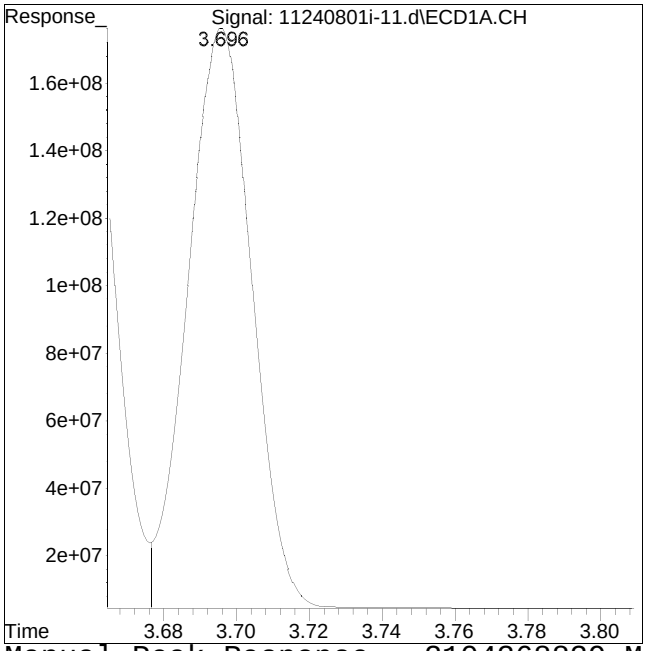
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #16: Endosulfan I



Original Peak Response = 2114925544



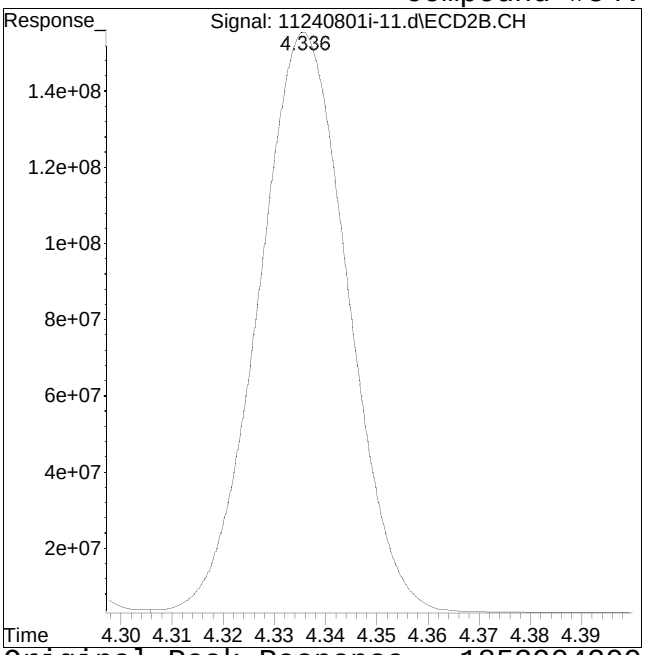
Manual Peak Response = 2104368839 M4

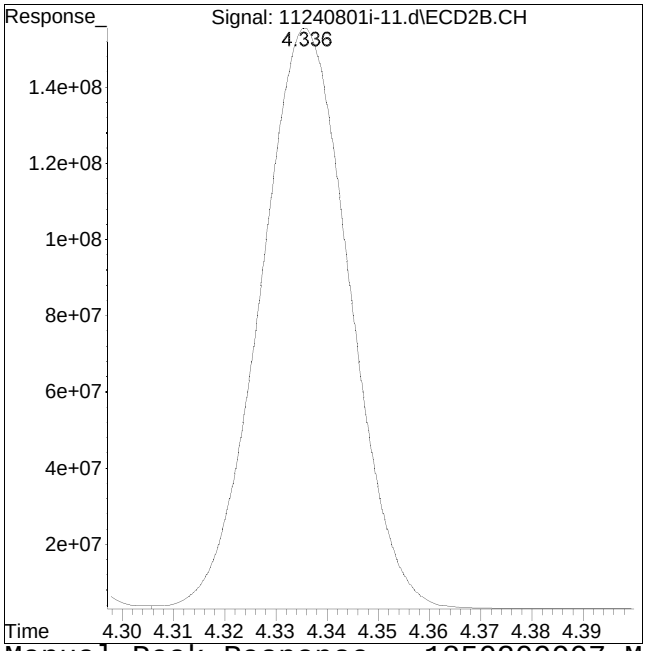
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #54: Endosulfan I #2





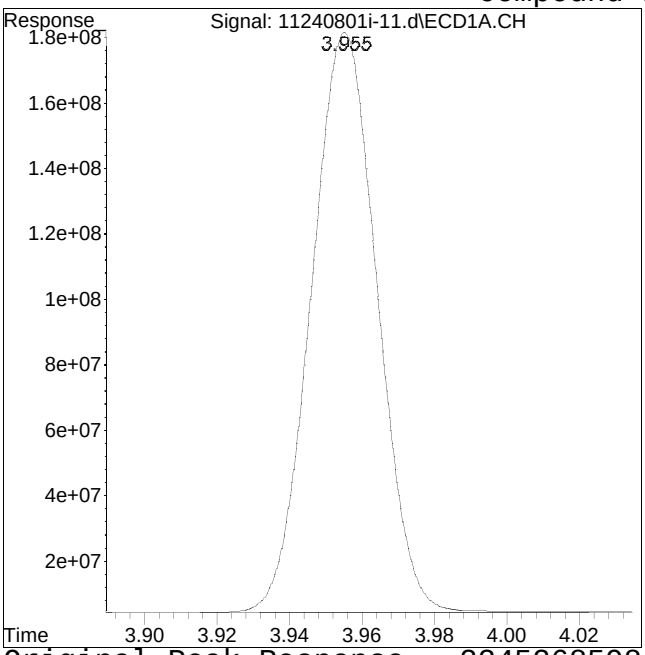
Original Peak Response = 1853904209 Manual Peak Response = 1850209907 M4
M4 = Poor automated baseline construction.

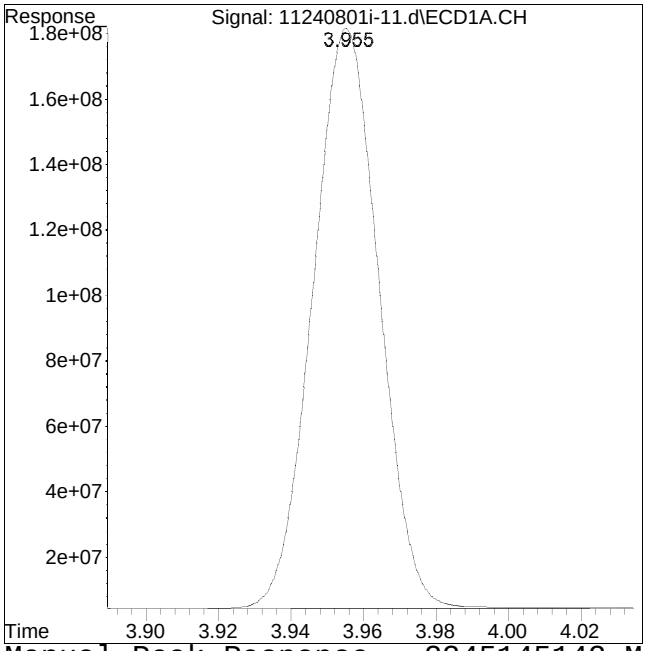
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #17: Dieldrin



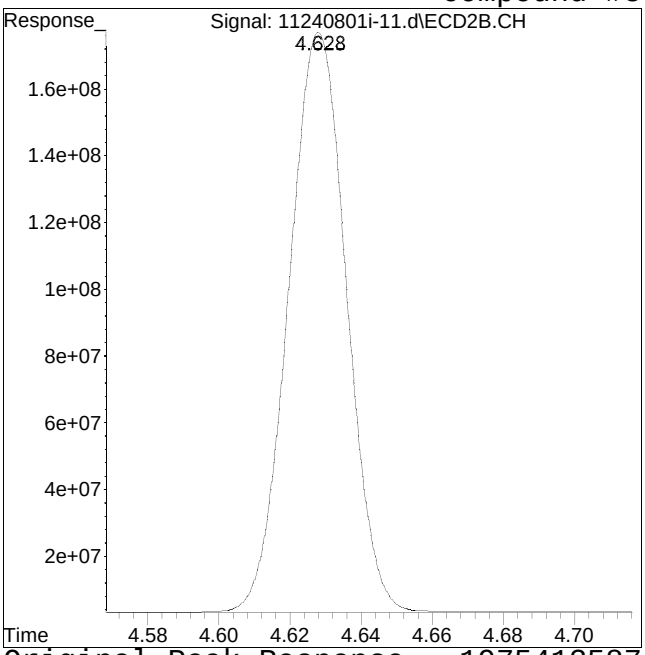


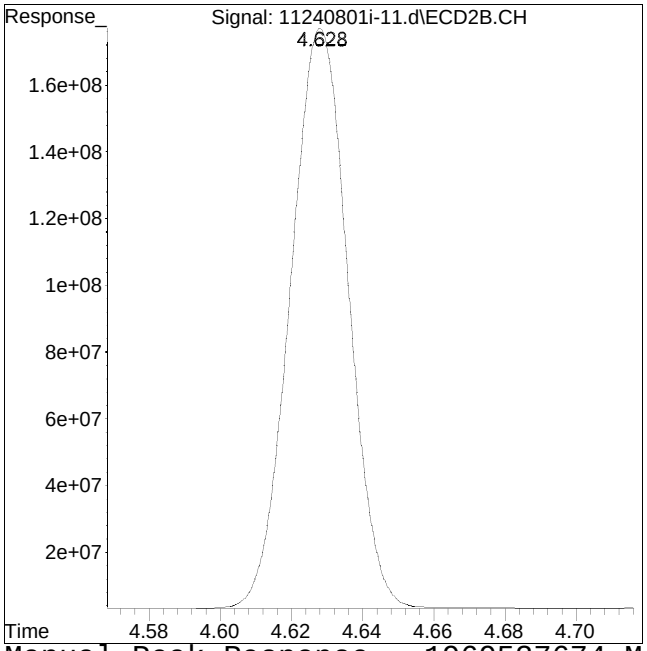
Original Peak Response = 2245268598 Manual Peak Response = 2245145142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #55: Dieldrin #2



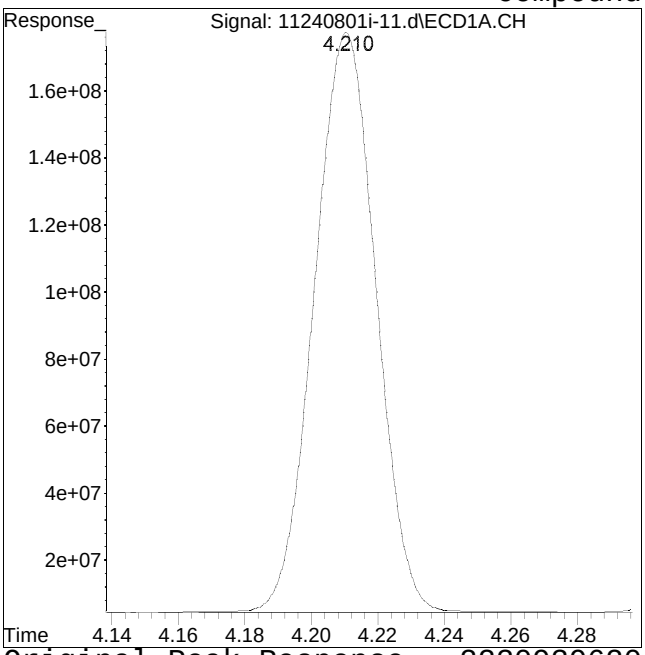


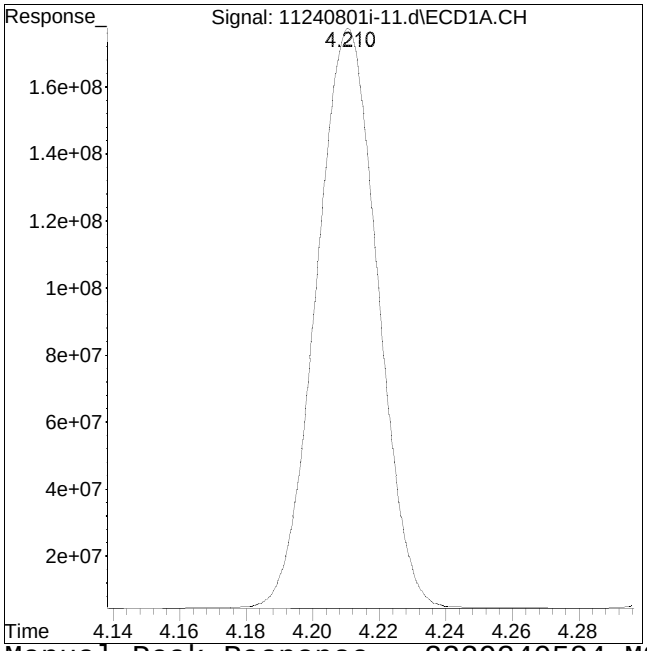
Original Peak Response = 1975413587 Manual Peak Response = 1969537674 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #18: Endrin



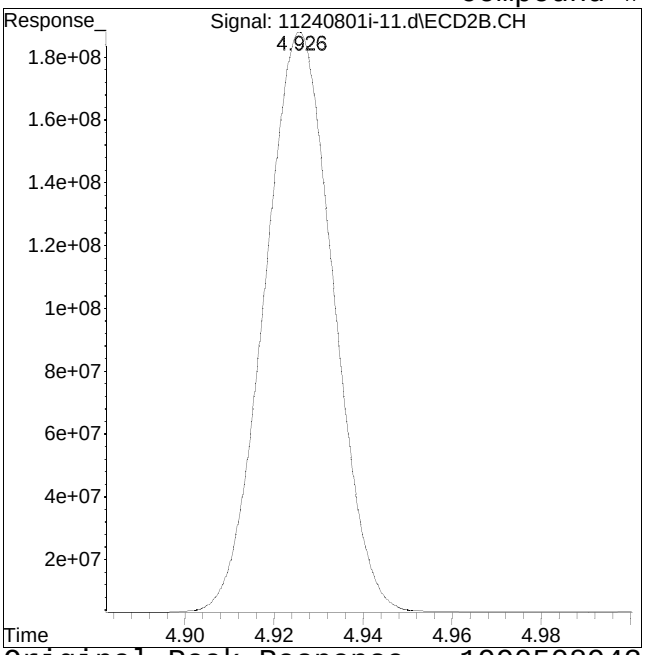


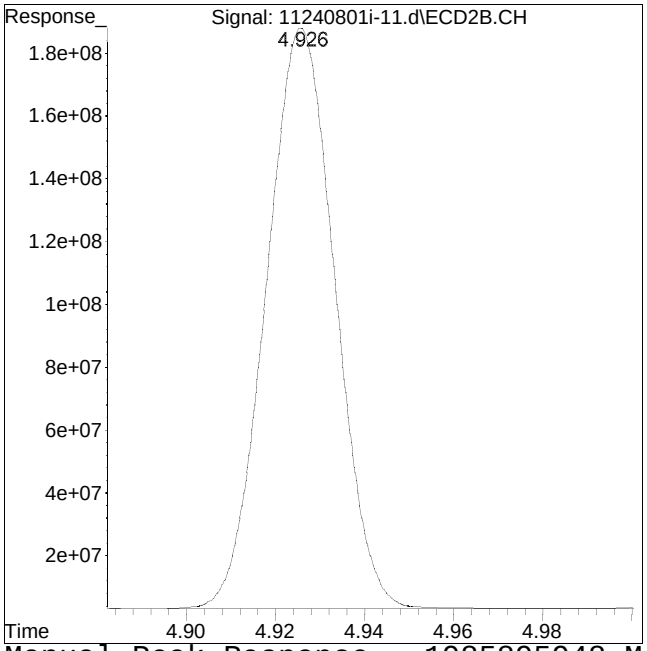
Original Peak Response = 2230939620 Manual Peak Response = 2229340584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #56: Endrin #2





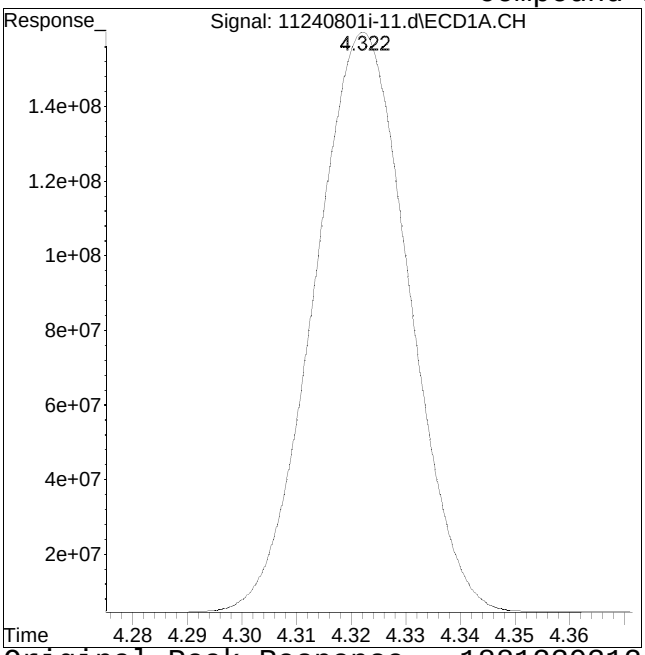
Original Peak Response = 1990508943 Manual Peak Response = 1985895948 M4
M4 = Poor automated baseline construction.

Manual Integration Report

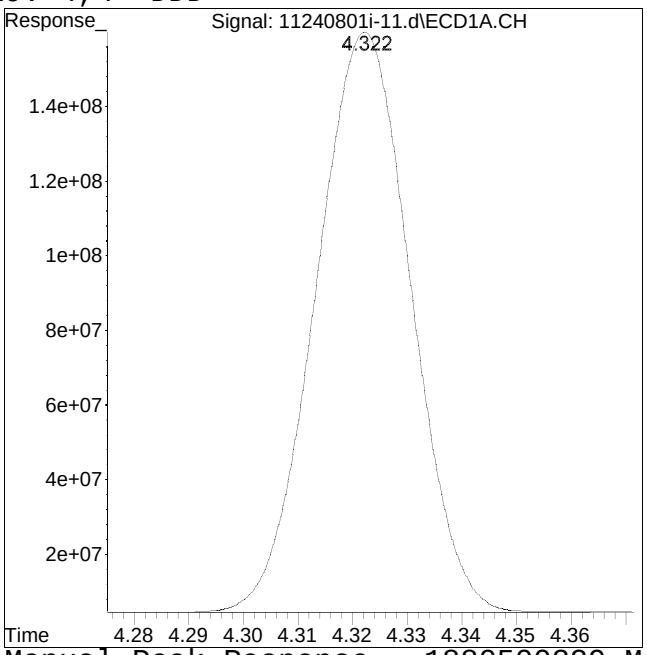
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #19: 4,4'-DDD



Original Peak Response = 1881239312



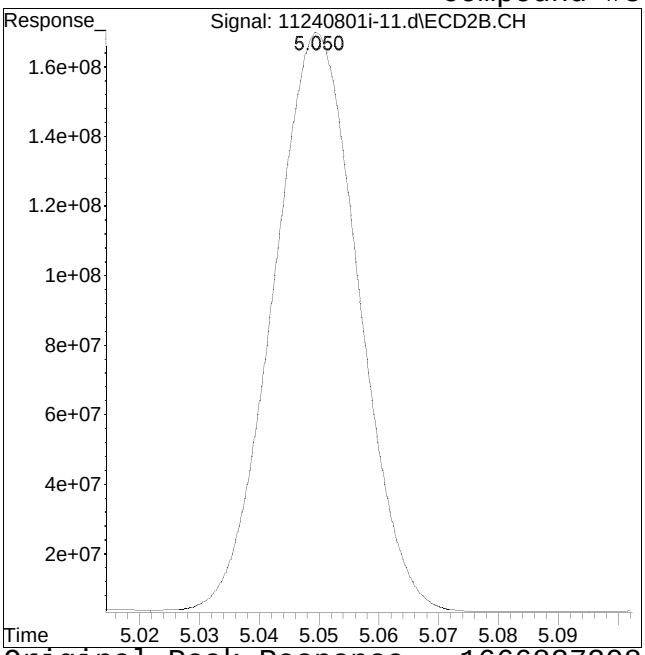
Manual Peak Response = 1880500229 M4

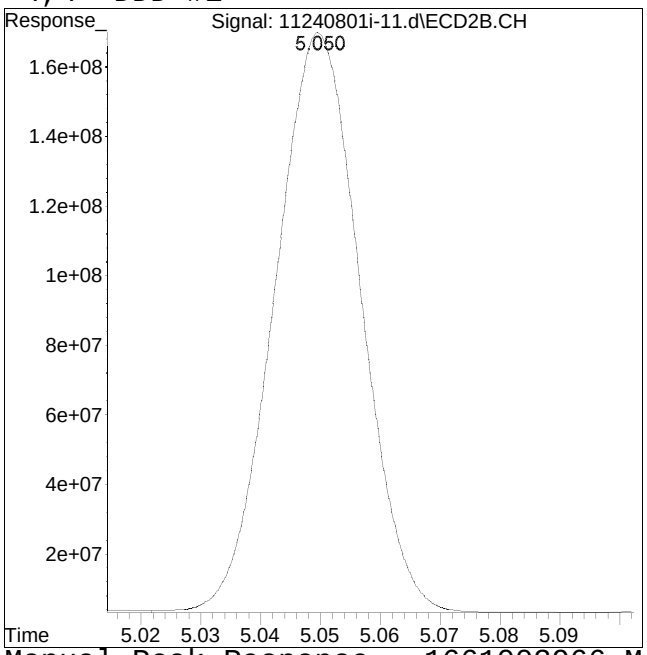
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #57: 4,4'-DDD #2





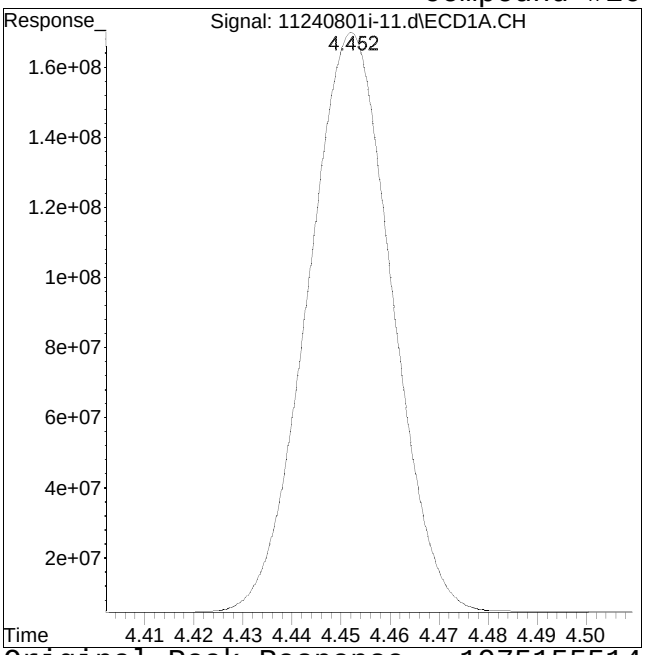
Original Peak Response = 1666827208 Manual Peak Response = 1661003966 M4
M4 = Poor automated baseline construction.

Manual Integration Report

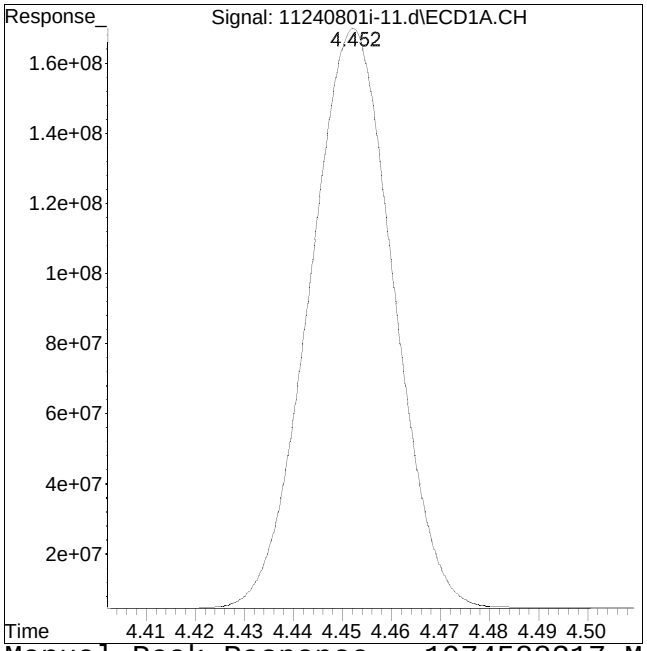
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #20: Endosulfan II



Original Peak Response = 1975155514



Manual Peak Response = 1974588317 M4

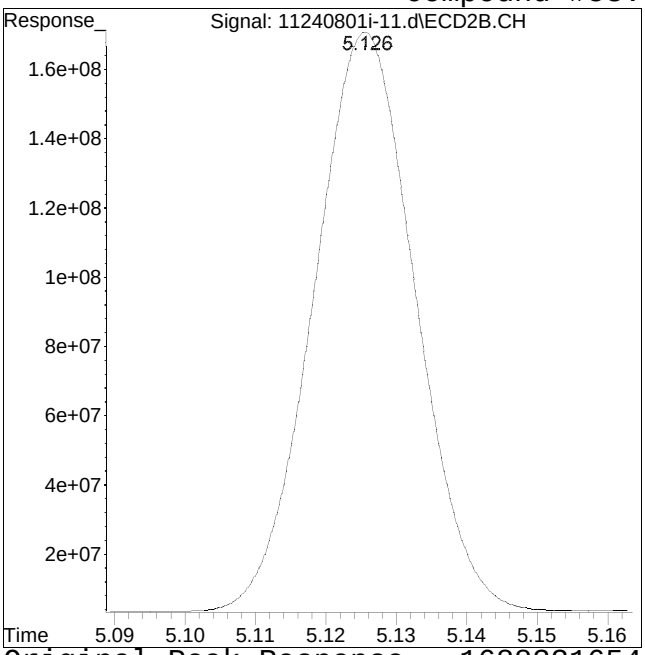
M4 = Poor automated baseline construction.

Manual Integration Report

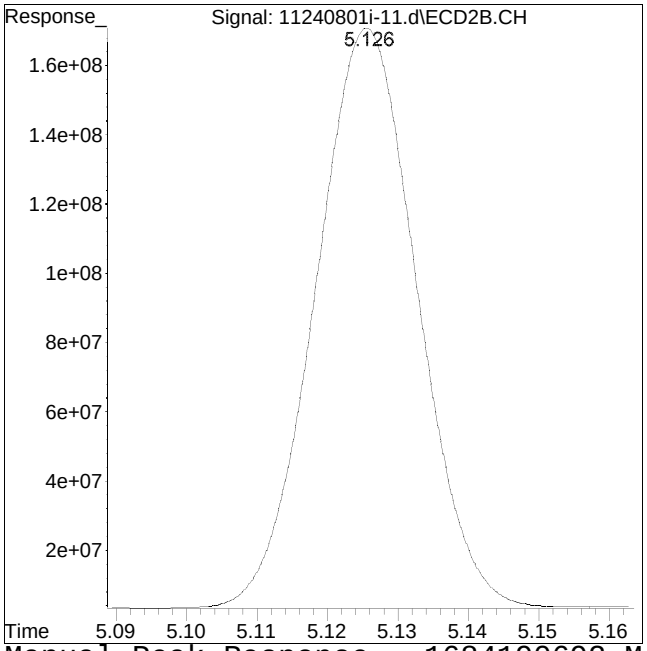
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #58: Endosulfan II #2



Original Peak Response = 1688331654



Manual Peak Response = 1684190692 M4

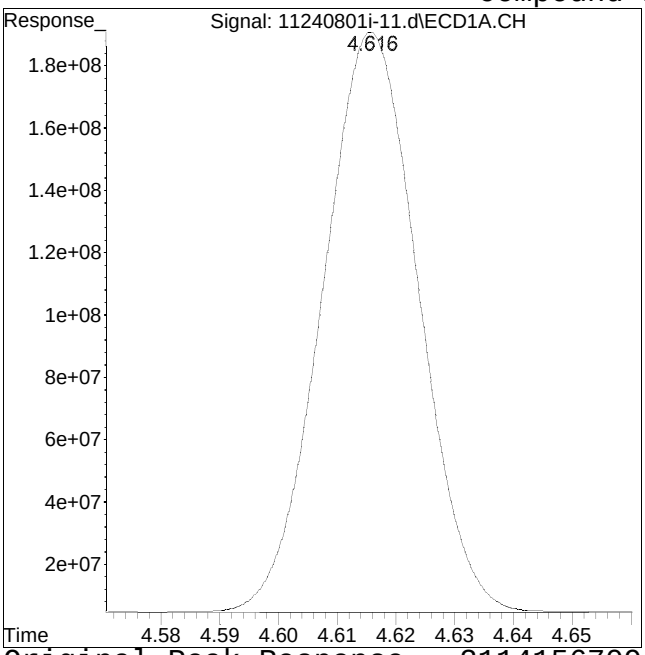
M4 = Poor automated baseline construction.

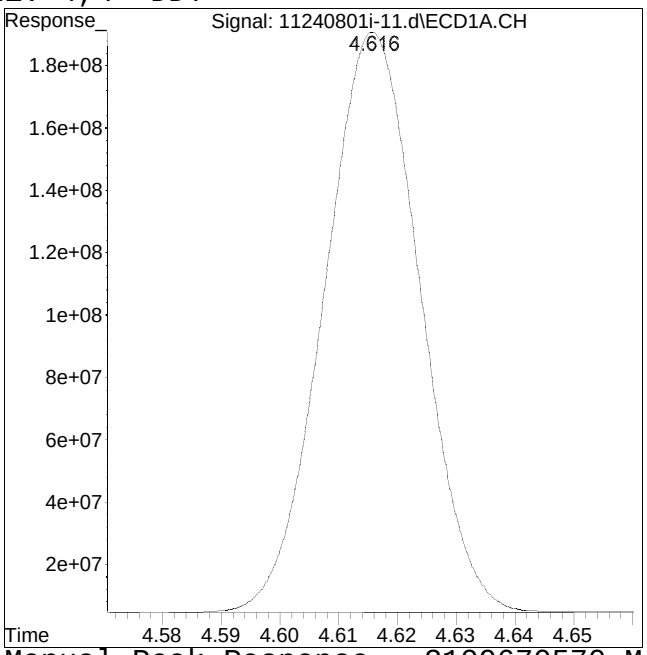
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #21: 4,4'-DDT



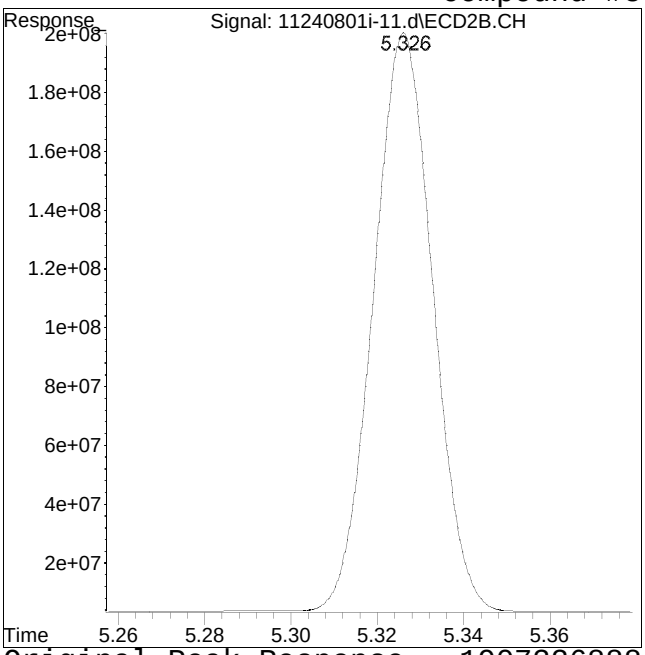


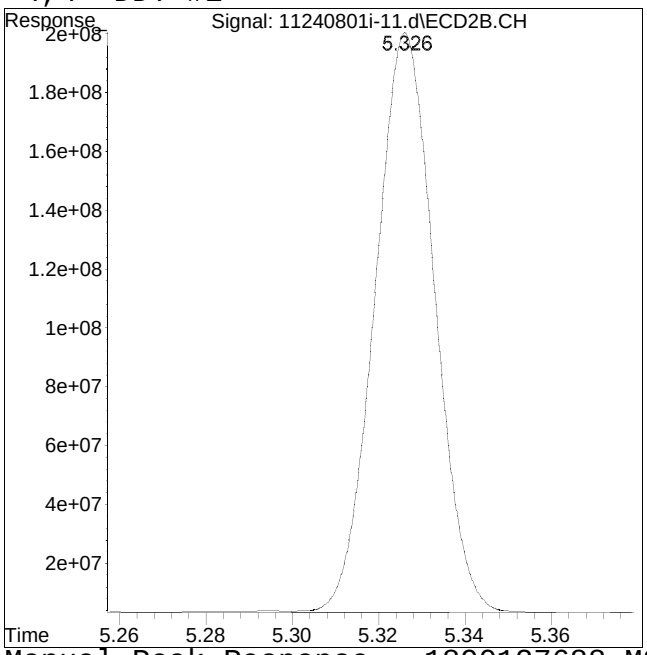
Original Peak Response = 2114156709 Manual Peak Response = 2109670570 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #59: 4,4'-DDT #2





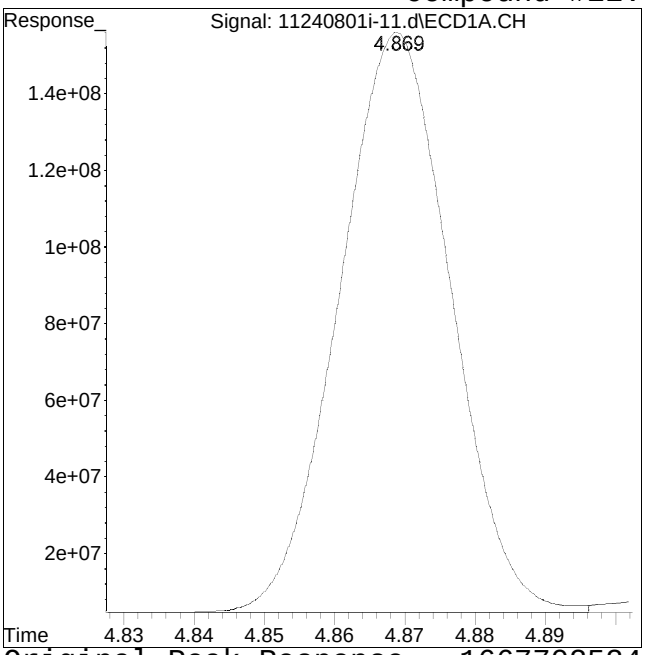
Original Peak Response = 1907326888 Manual Peak Response = 1890127688 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

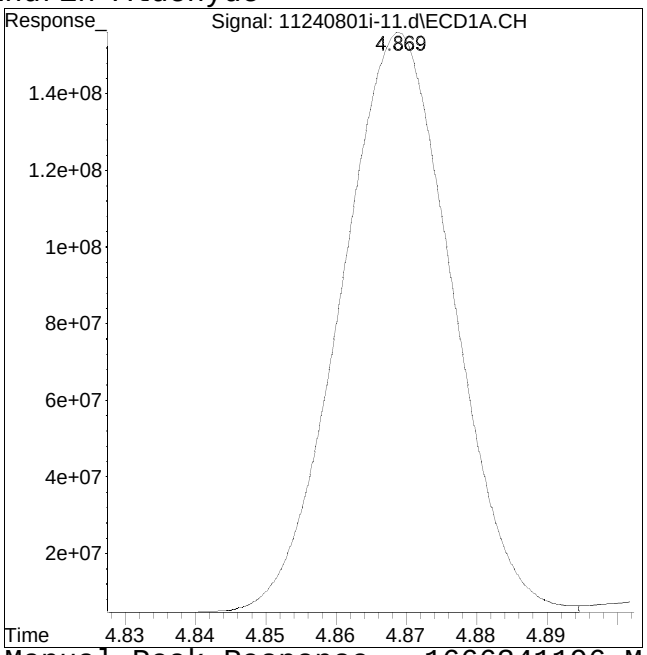
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #22: Endrin Aldehyde



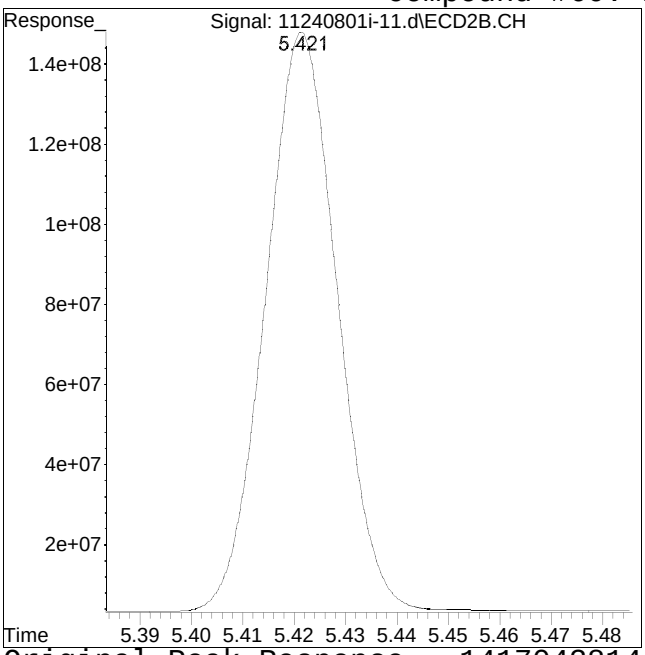


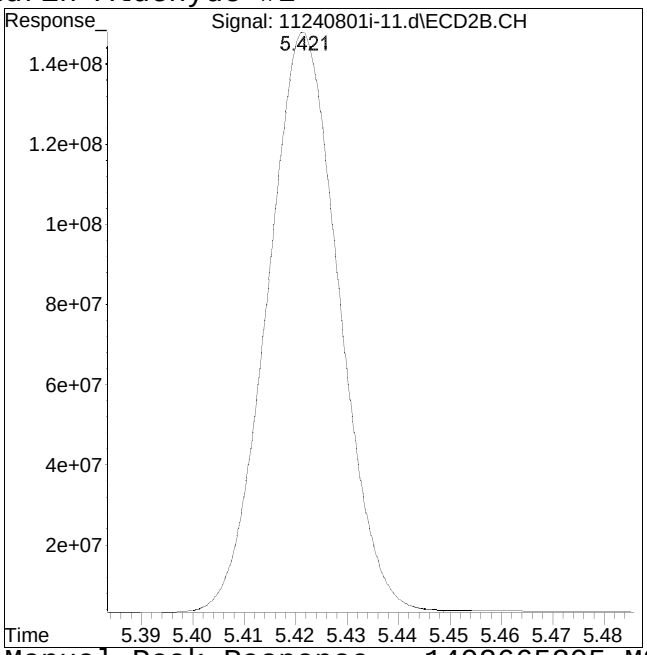
Original Peak Response = 1667702524 Manual Peak Response = 1666341196 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #60: Endrin Aldehyde #2



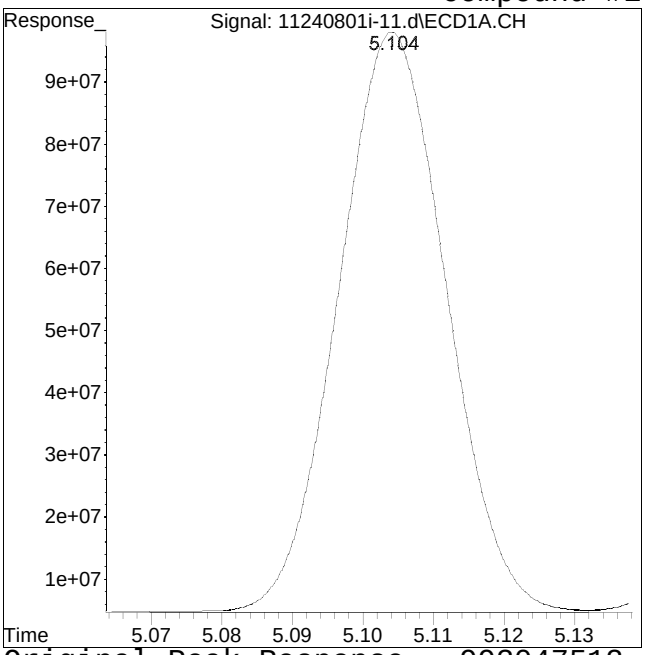


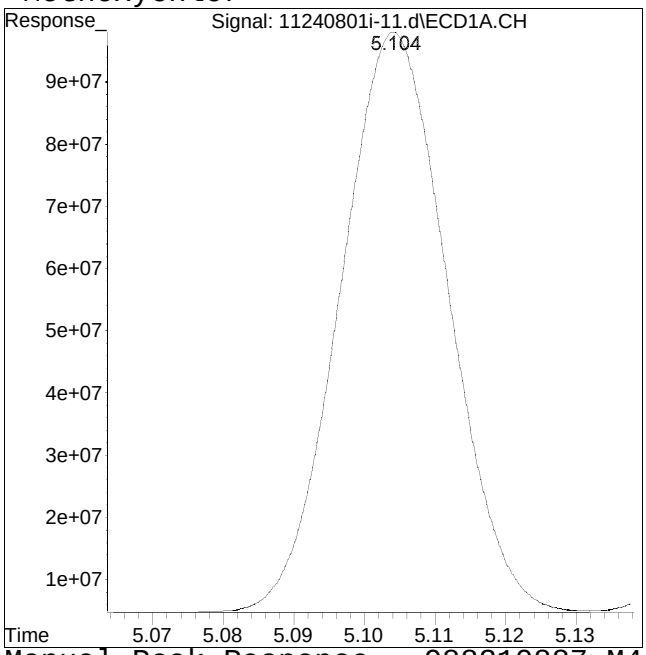
Original Peak Response = 1417043814 Manual Peak Response = 1402665305 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #23: Methoxychlor



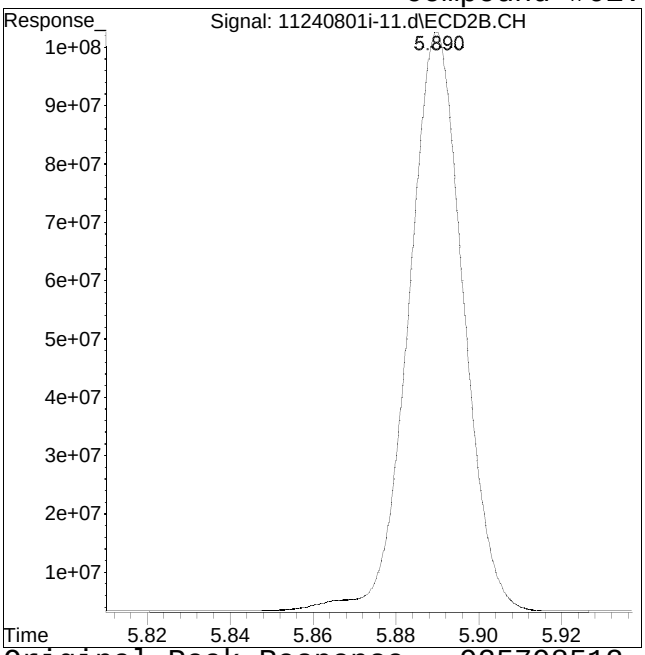


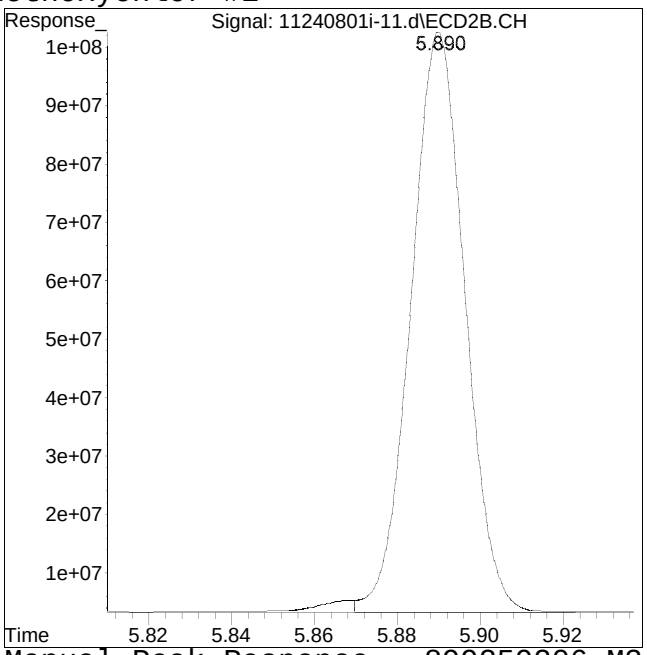
Original Peak Response = 993047512 Manual Peak Response = 988310887 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #61: Methoxychlor #2





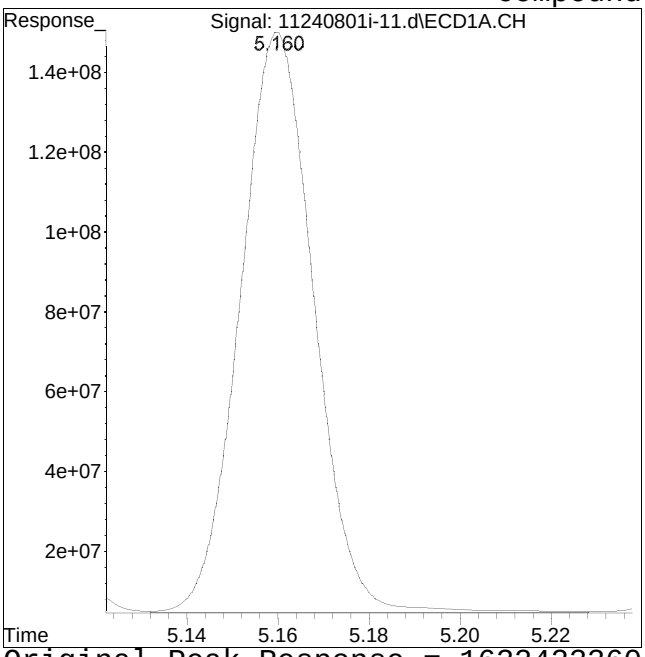
Original Peak Response = 925798512 Manual Peak Response = 899259206 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

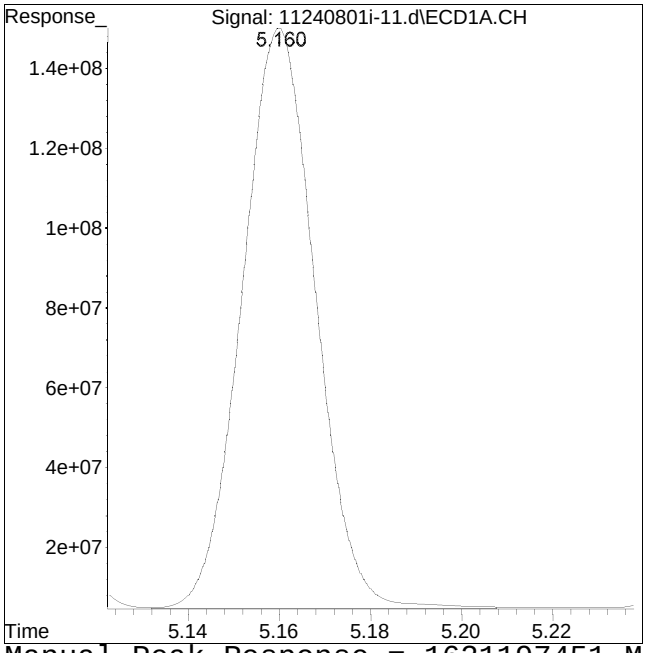
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #24: Mirex



Original Peak Response = 1632423360



Manual Peak Response = 1621197451 M4

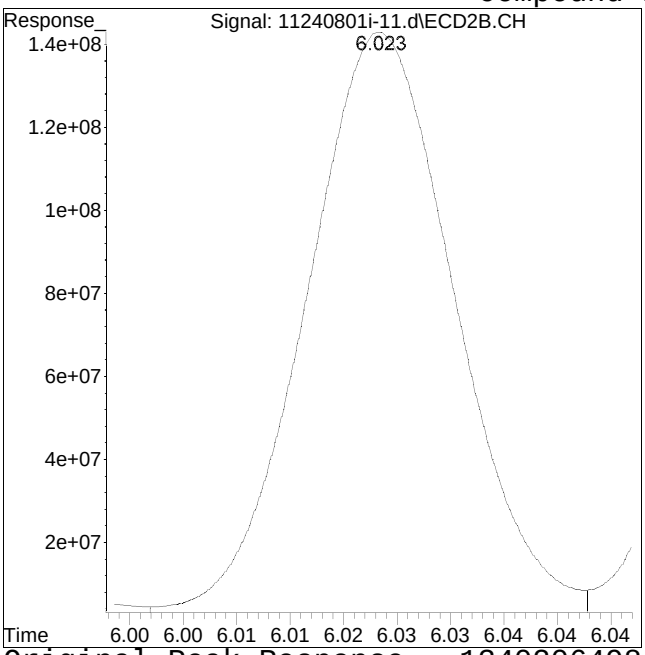
M4 = Poor automated baseline construction.

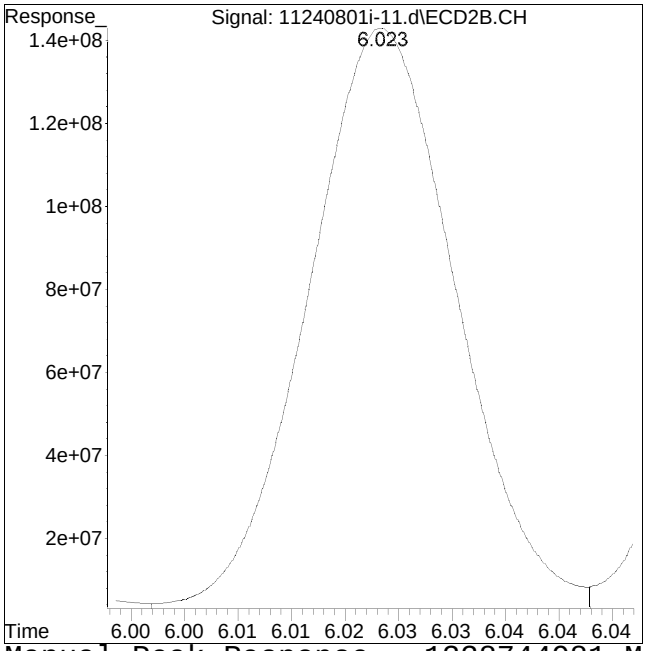
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #62: Mirex #2



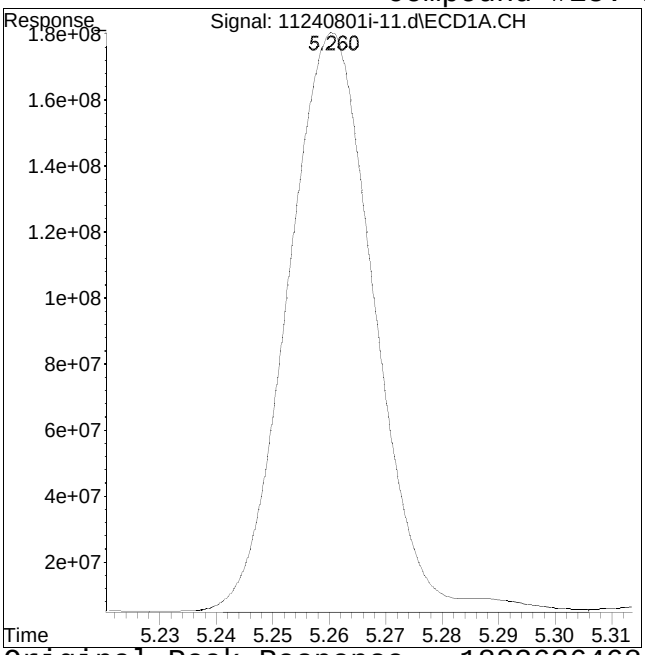


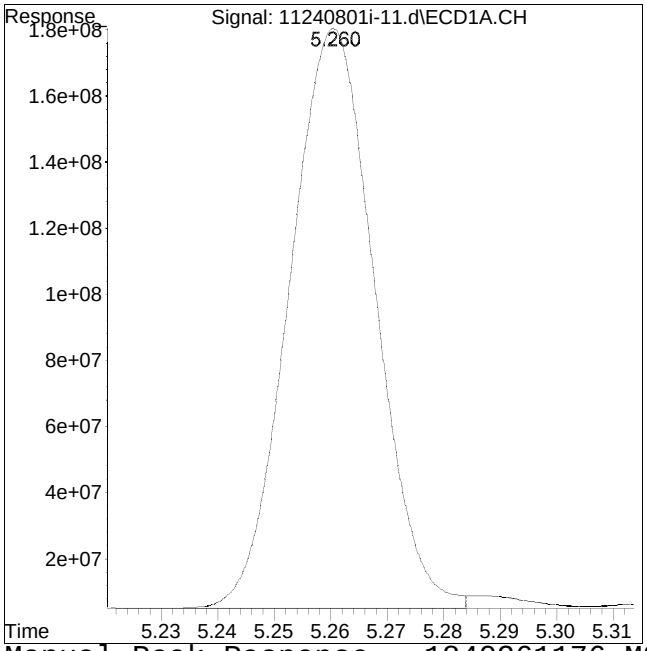
Original Peak Response = 1340206498 Manual Peak Response = 1338744981 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #25: Endosulfan Sulfate





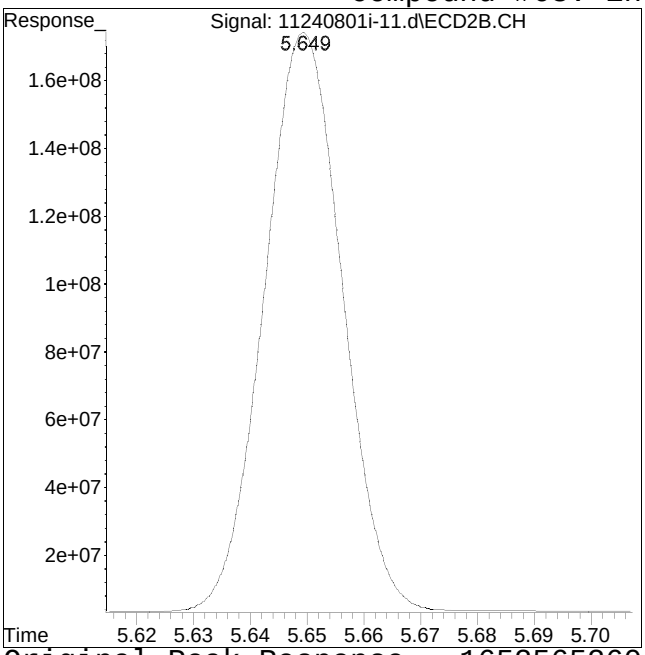
Original Peak Response = 1883636468 Manual Peak Response = 1840261176 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

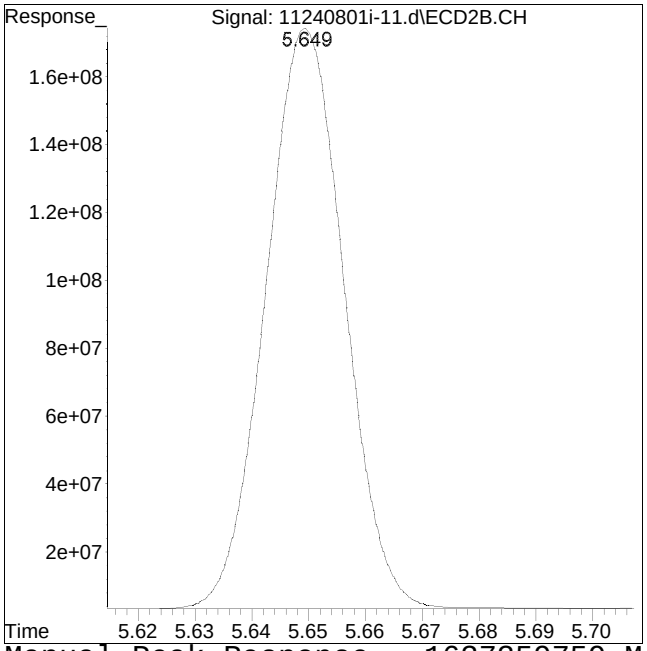
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 1652565260



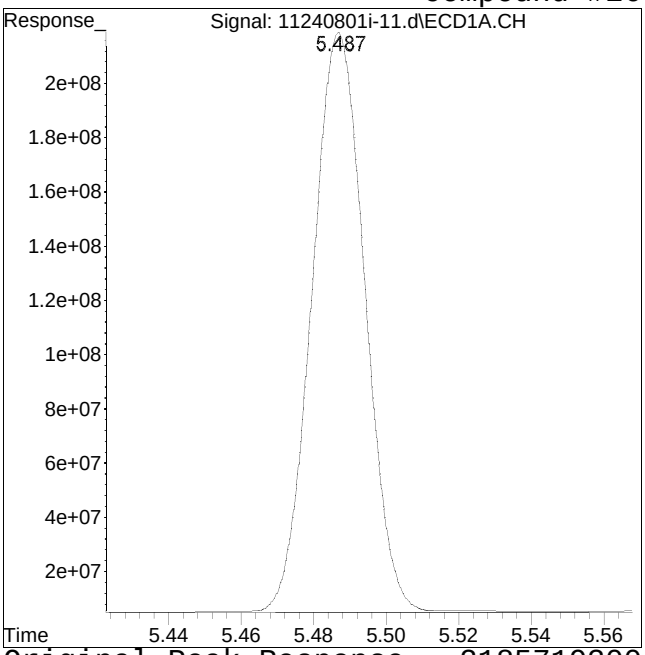
Manual Peak Response = 1637359759 M4

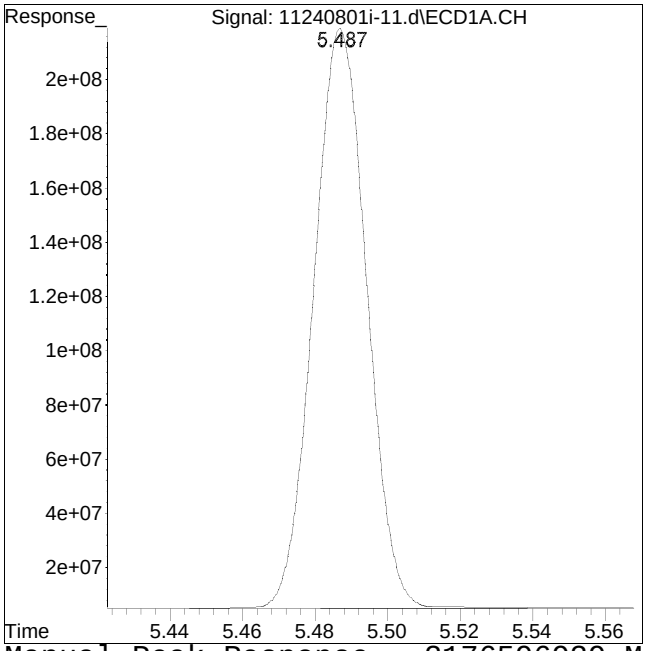
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-11.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:12 Instrument : Pest 11
Sample : il10pest,42e,,pp 11679 L0.Quant Date : 8/2/2024 9:29 am

Compound #26: Endrin Ketone





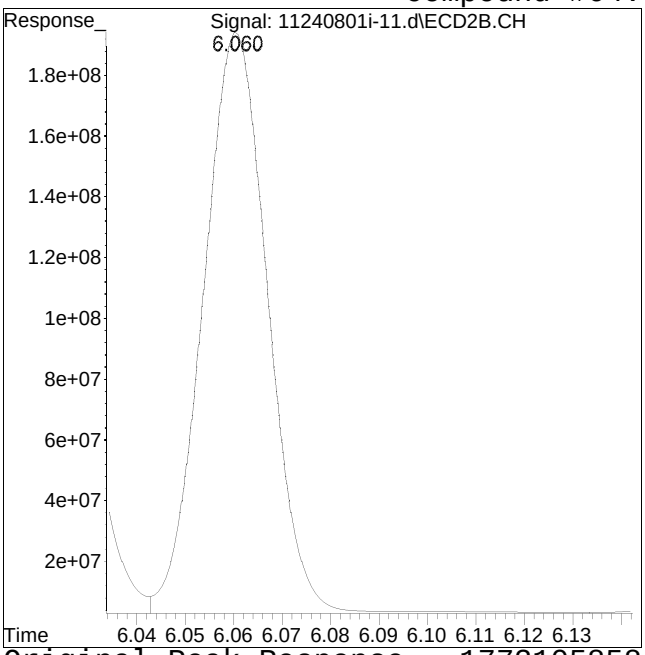
Original Peak Response = 2185719300 Manual Peak Response = 2176596939 M4
M4 = Poor automated baseline construction.

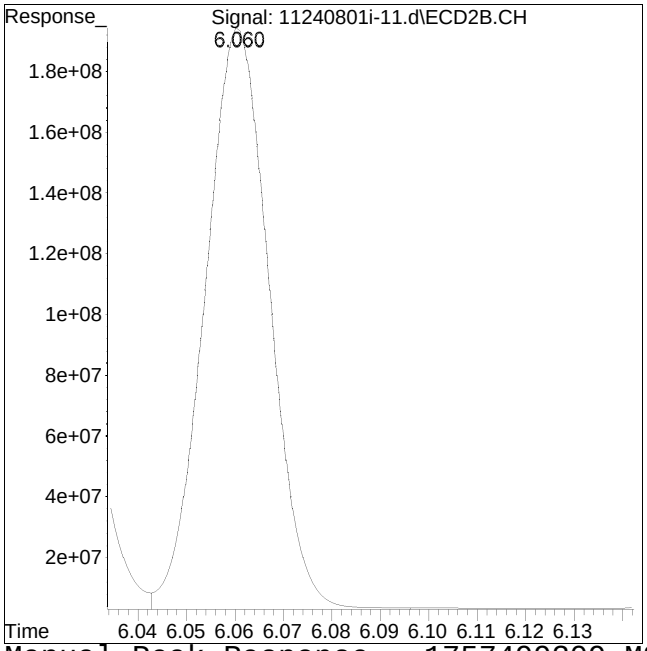
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #64: Endrin Ketone #2





Original Peak Response = 1773105858 Manual Peak Response = 1757499309 M3

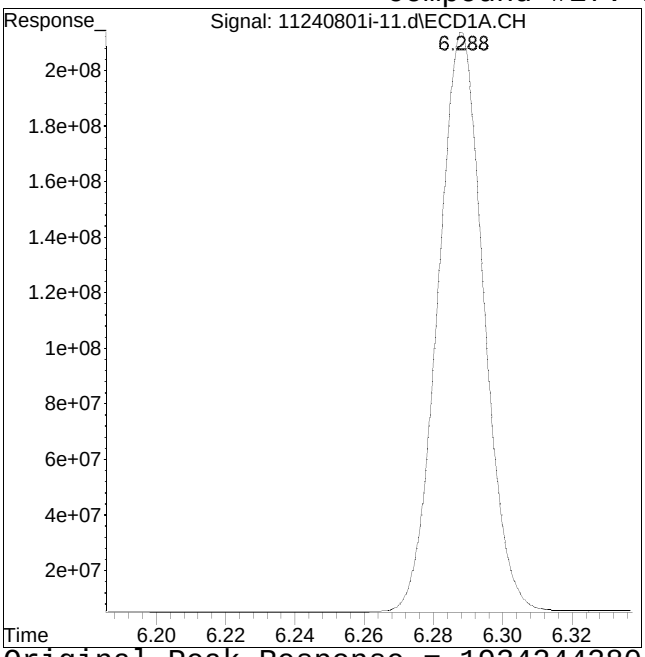
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

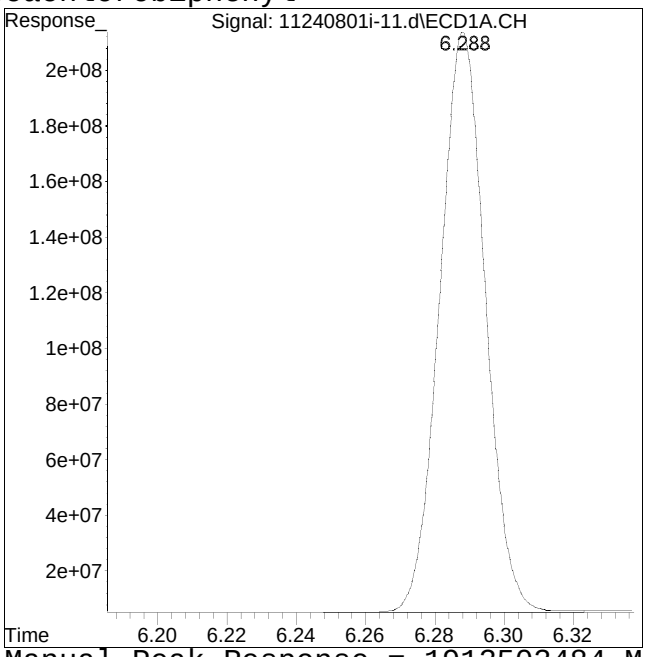
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 1934244280



Manual Peak Response = 1913503484 M4

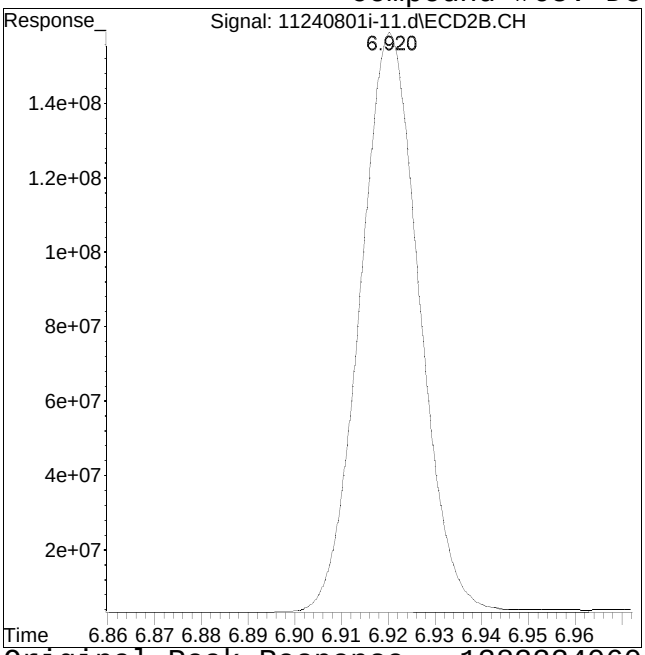
M4 = Poor automated baseline construction.

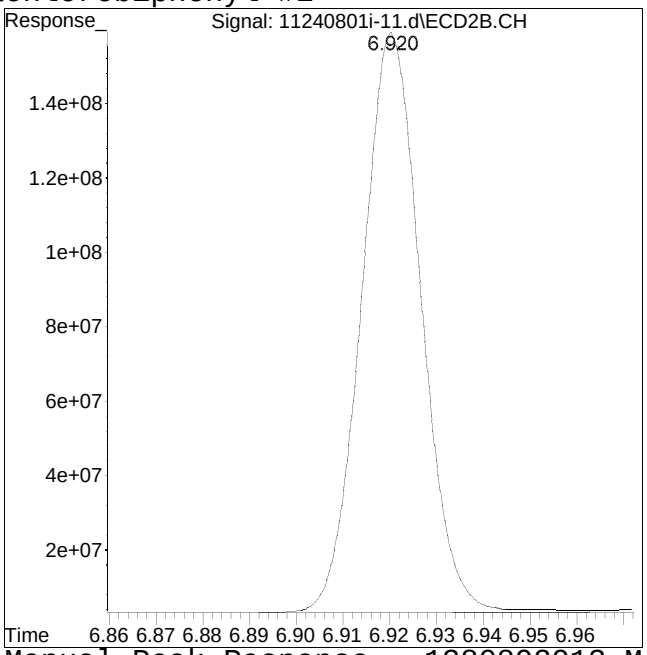
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-11.d
Date Inj'd : 8/1/2024 20:12
Sample : il10pest,42e,,pp 11679 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:29 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 1383324060 Manual Peak Response = 1380892913 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.310	1.386	219.1E6	172.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.653	1.859	3436.3E6	2866.4E6	375.795M3	383.994
	Spiked Amount 50.000	Range 30 - 150		Recovery =		751.59%#	767.99%#
27) s	Decachlorobi	6.288	6.919	3542.0E6	2565.1E6	389.672M4	396.514M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		779.34%#	793.03%#
	Target Compounds						
3) t	Hexachlorobe	1.866	2.179	4393.8E6	3054.6E6	374.440M3	386.397M4
4) t	alpha-BHC	1.965	2.272	5474.0E6	4748.1E6	387.113M3	397.820M3
5) t	gamma-BHC (l	2.167	2.558	5015.2E6	4254.3E6	385.346M4	395.569
6) t	beta-BHC	2.222	2.623	2035.1E6	1695.7E6	381.357M3	384.044
7) t	delta-BHC	2.351	2.890	5109.5E6	4368.4E6	387.060M4	397.603M4
8) t	Heptachlor	2.514	2.953	4267.4E6	3941.6E6	357.934M4	366.974M4
9) t	Aldrin	2.757	3.272	4276.8E6	3818.0E6	371.928M4	378.594
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	3.302	3.885	3795.3E6	3457.2E6	359.403M3	369.359M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.426	4.105	3704.6E6	3328.5E6	381.821M4	385.505M4
14)	t	alpha-Chlord	3.560	4.275	4129.5E6	3639.2E6	377.801M3	381.858M4
15)	t	4,4'-DDE	3.658	4.474	4233.9E6	3665.1E6	381.347M4	383.165M3
16)	t	Endosulfan I	3.696	4.336	3638.6E6	3224.0E6	363.740M3	369.311M4
17)	t	Dieldrin	3.956	4.628	3938.0E6	3471.7E6	374.014M4	378.648M4
18)	t	Endrin	4.211	4.926	3882.2E6	3492.7E6	367.059M3	376.416M4
19)	t	4,4'-DDD	4.323	5.050	3366.6E6	3005.8E6	387.600M4	394.381M4
20)	t	Endosulfan I	4.452	5.126	3381.2E6	2907.3E6	357.803M4	364.277M4
21)	t	4,4'-DDT	4.617	5.327	3755.2E6	3373.8E6	384.027M4	387.821M3
22)	t	Endrin Aldeh	4.869	5.422	2950.3E6	2501.6E6	376.997M4	381.397M3
23)	t	Methoxychlor	5.105	5.891	1699.3E6	1603.4E6	350.495M4	373.779M3
24)	t	Mirex	5.160	6.024	2881.7E6	2395.8E6	373.166M3	379.221M4
25)	t	Endosulfan S	5.261	5.650	3233.7E6	2911.3E6	369.599M3	378.677M3
26)	t	Endrin Keton	5.487	6.061	3805.9E6	3138.1E6	363.553M4	377.488M3
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

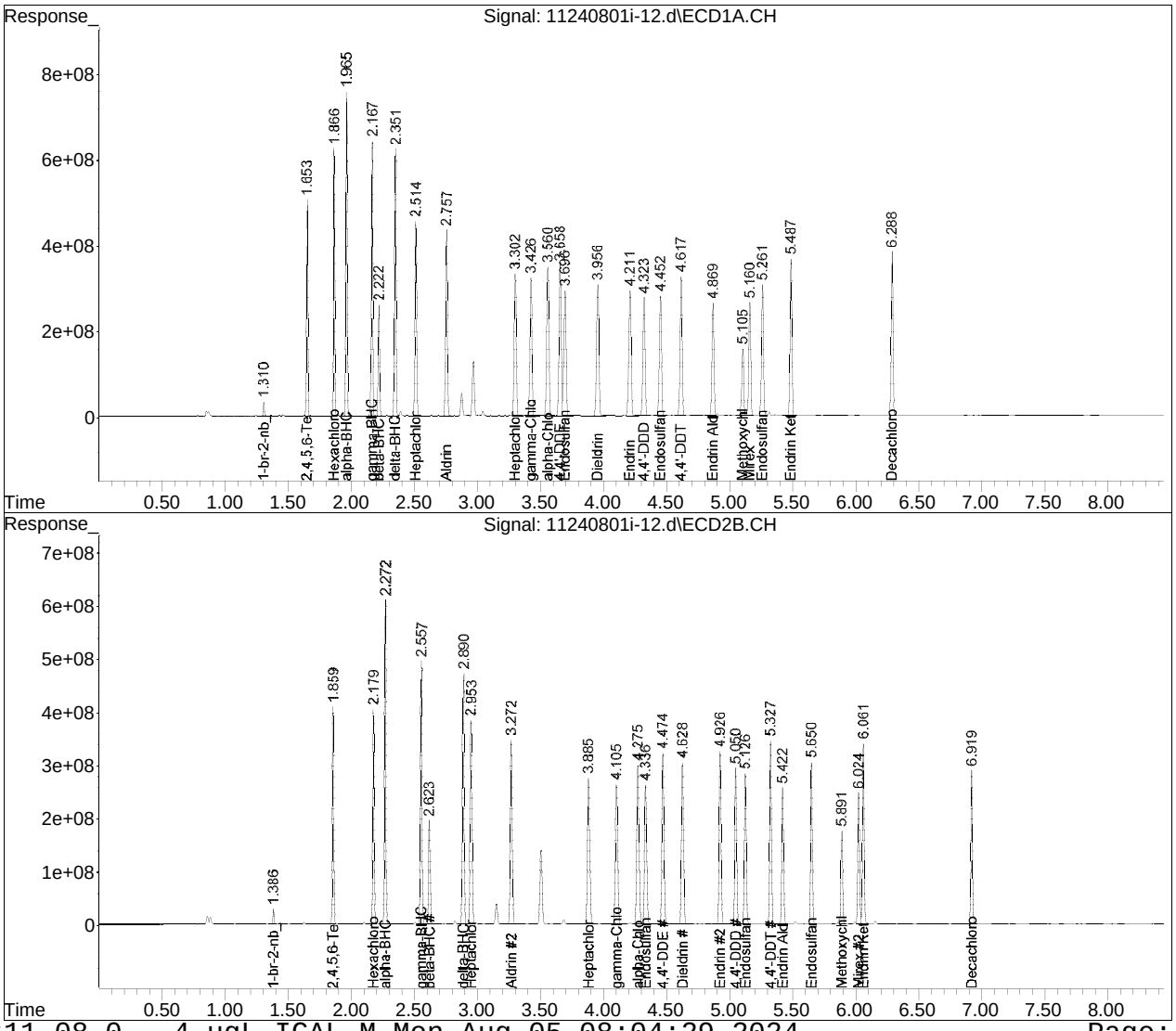
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:25
Operator : PEST11:ejl
Sample : il11pest,42e,,pp 11678 L0.4
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 09:58:56 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 09:38:05 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

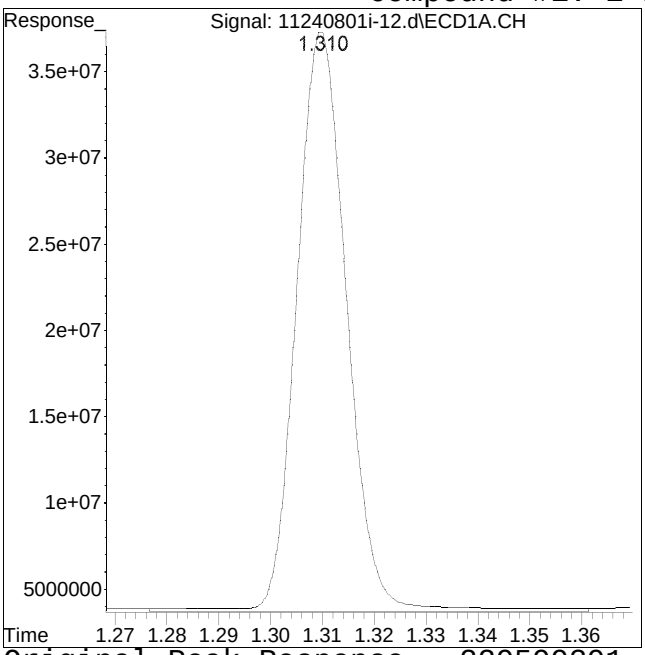
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



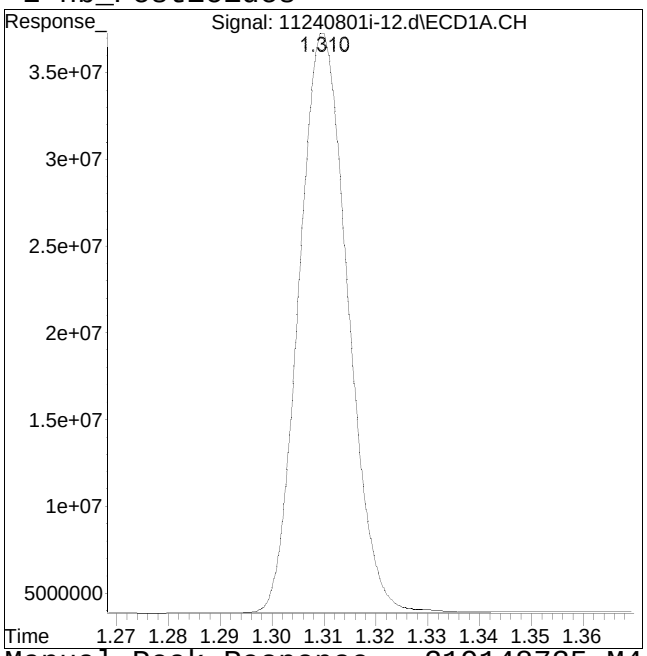
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 229599391



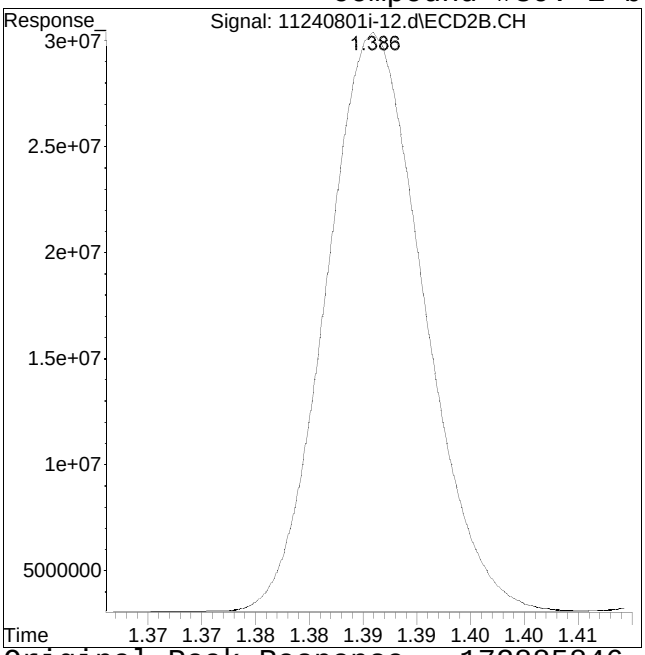
Manual Peak Response = 219148735 M4

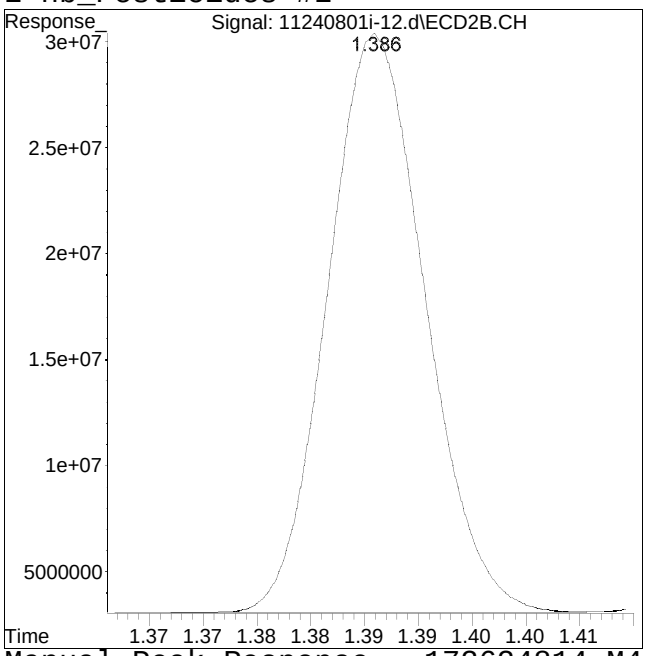
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #39: 1-br-2-nb_Pesticides #2





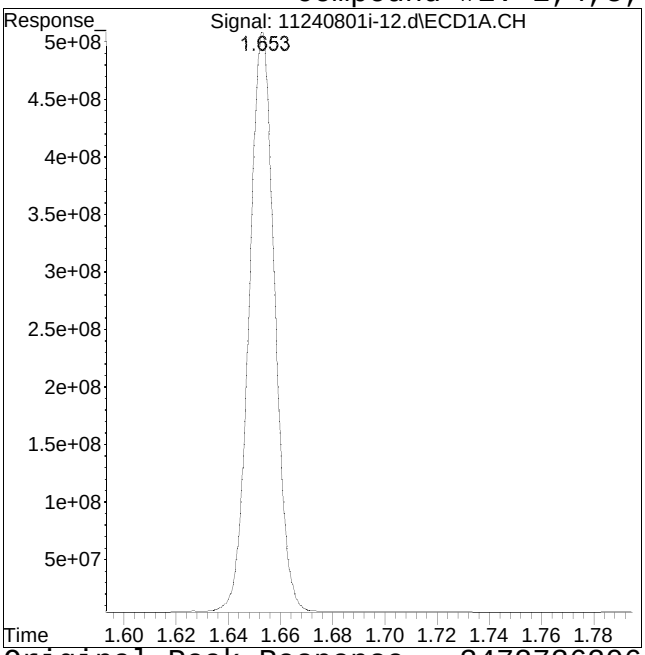
Original Peak Response = 172885846 Manual Peak Response = 172624814 M4
M4 = Poor automated baseline construction.

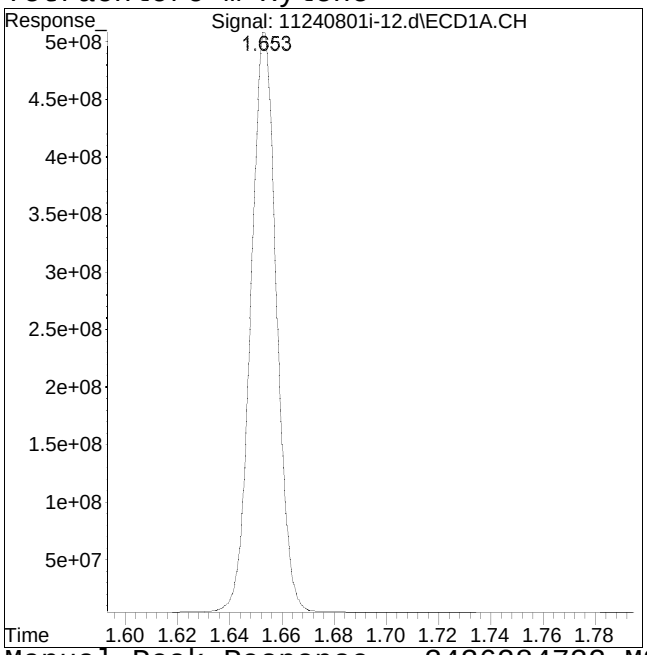
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





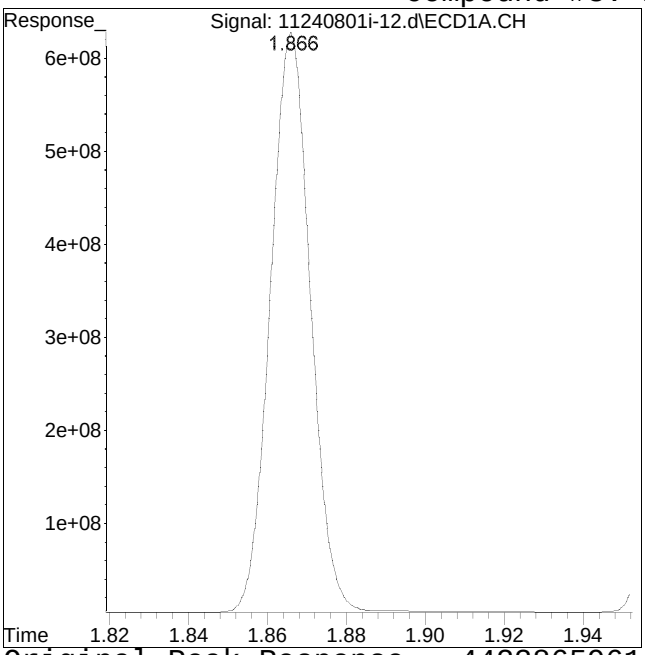
Original Peak Response = 3472736206 Manual Peak Response = 3436284732 M3

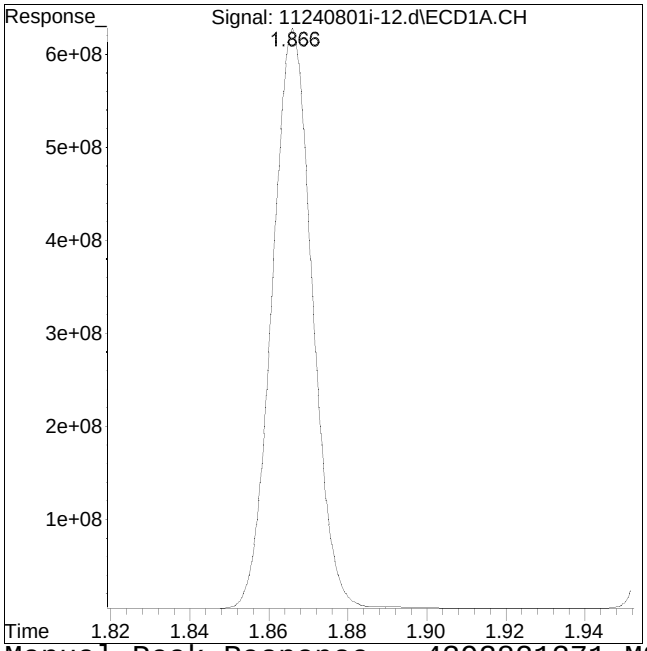
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #3: Hexachlorobenzene



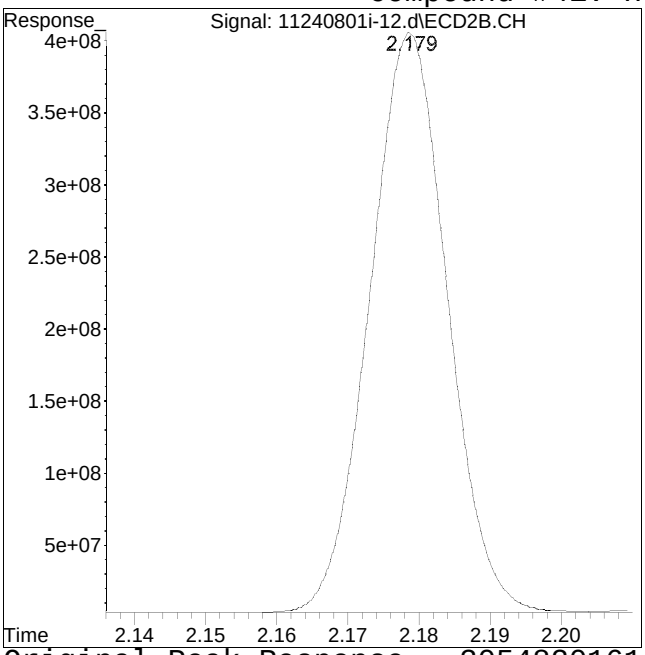


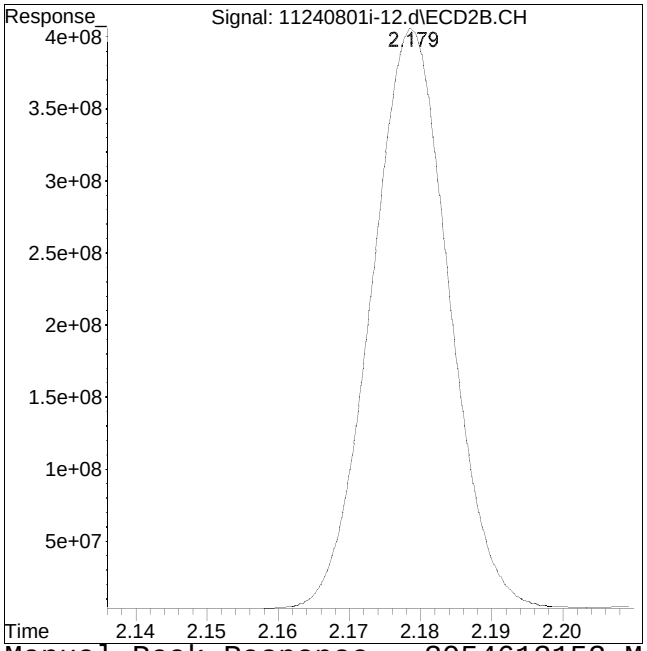
Original Peak Response = 4423865961 Manual Peak Response = 4393821371 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #41: Hexachlorobenzene #2





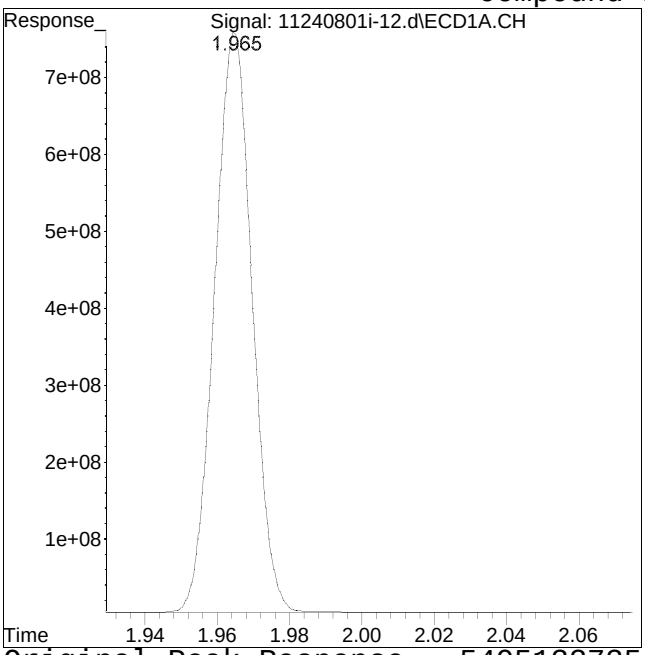
Original Peak Response = 3054820161 Manual Peak Response = 3054613153 M4
M4 = Poor automated baseline construction.

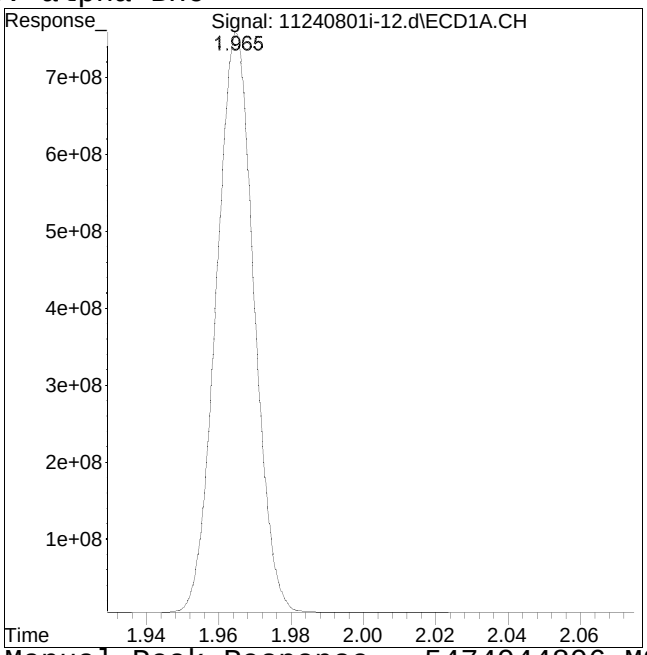
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #4: alpha-BHC



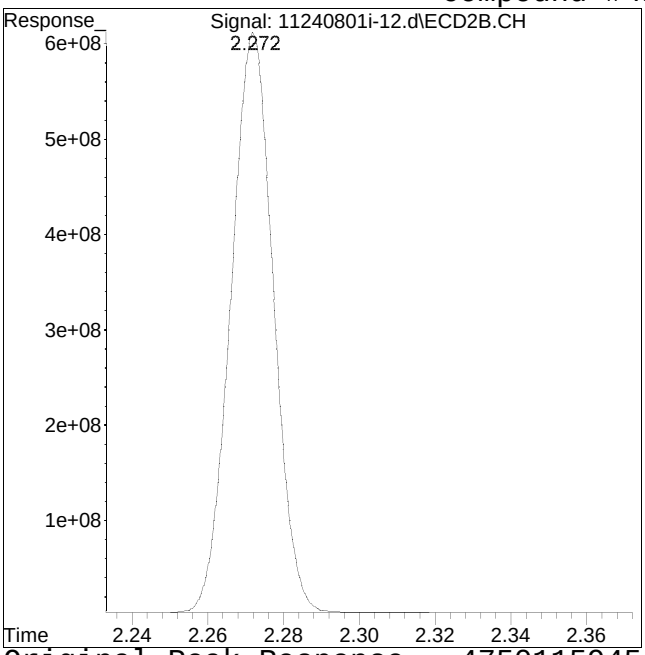


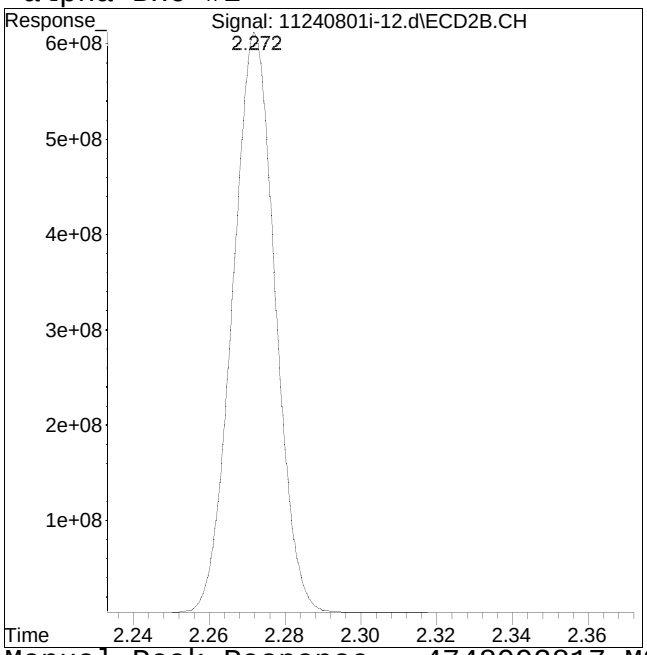
Original Peak Response = 5495133735 Manual Peak Response = 5474044806 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #42: alpha-BHC #2





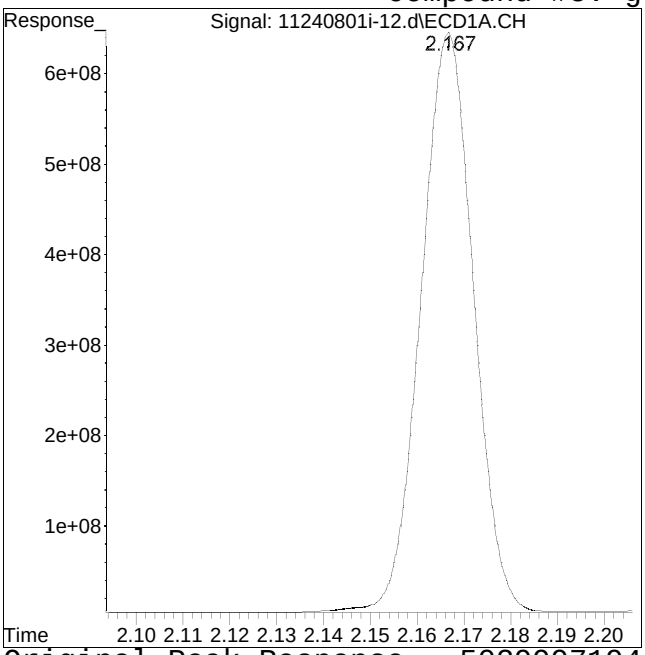
Original Peak Response = 4750115945 Manual Peak Response = 4748093817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

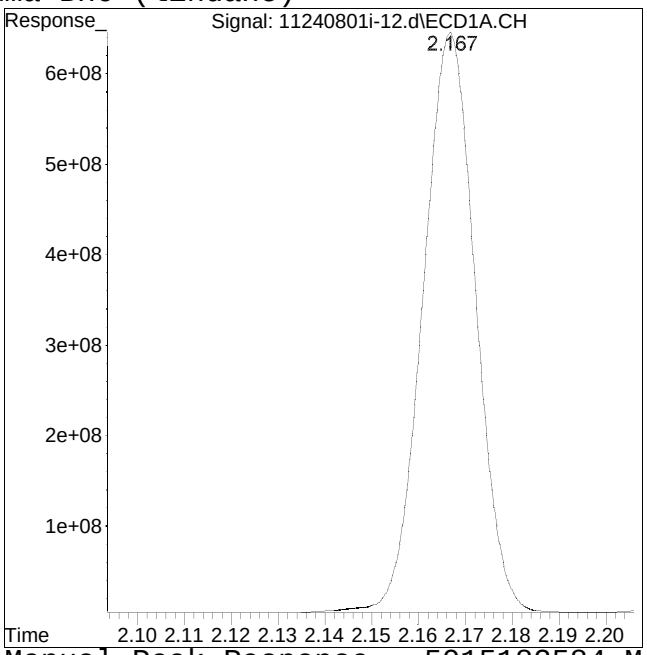
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 5029997194



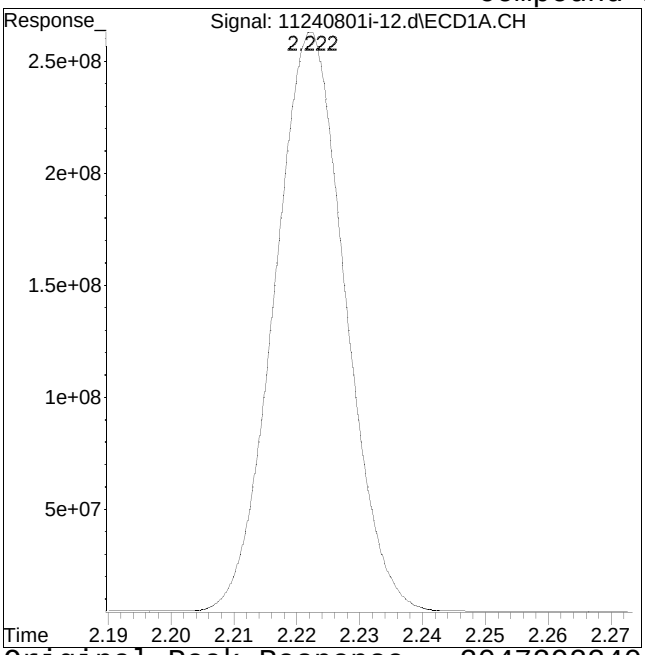
Manual Peak Response = 5015182584 M4

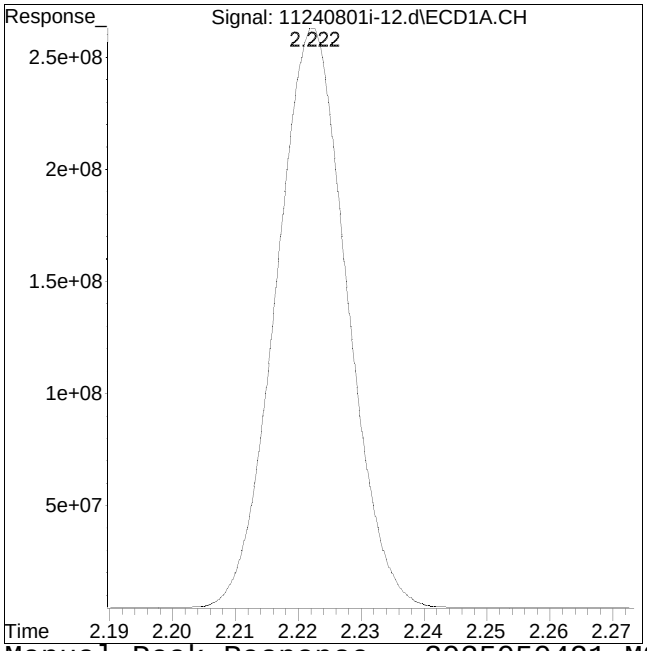
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #6: beta-BHC



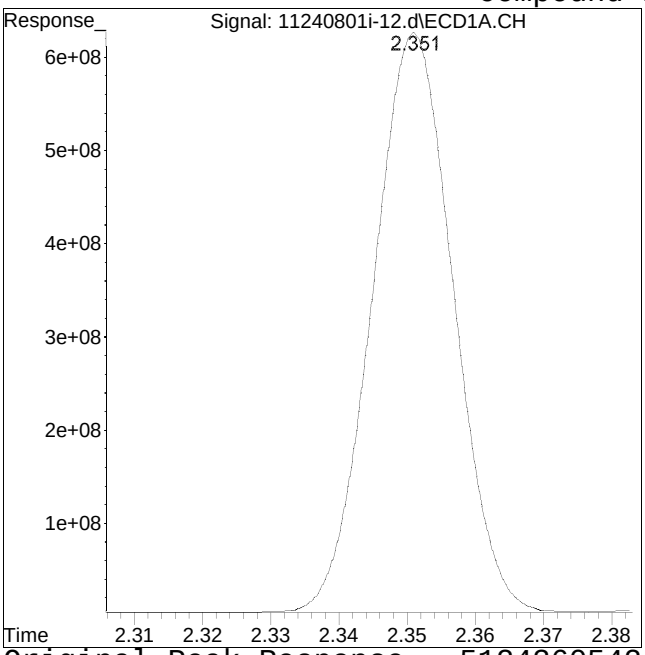


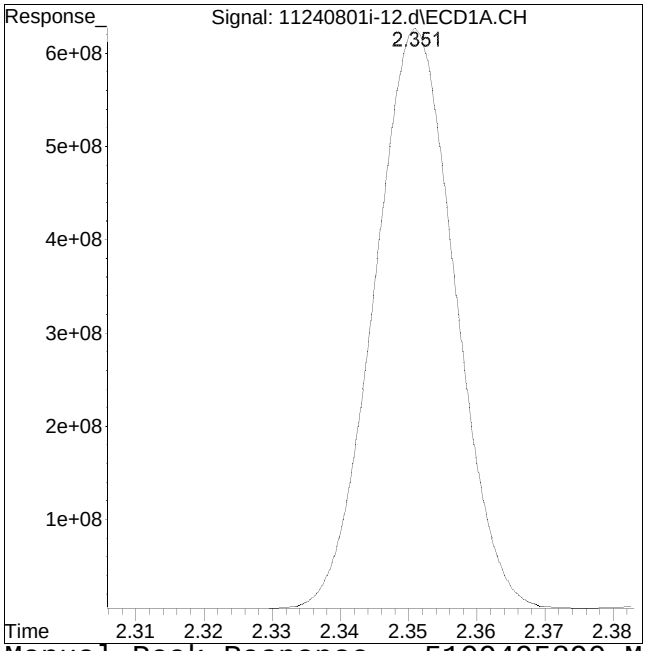
Original Peak Response = 2047292240 Manual Peak Response = 2035050421 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #7: delta-BHC





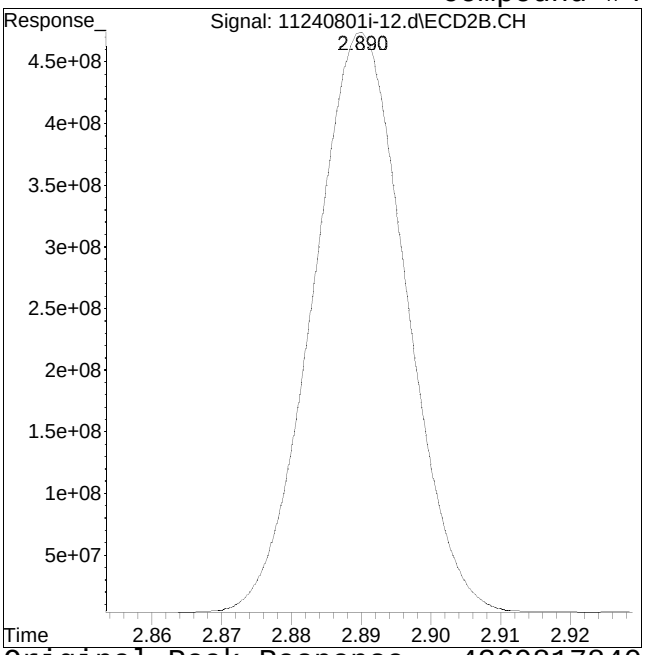
Original Peak Response = 5124360542 Manual Peak Response = 5109495890 M4
M4 = Poor automated baseline construction.

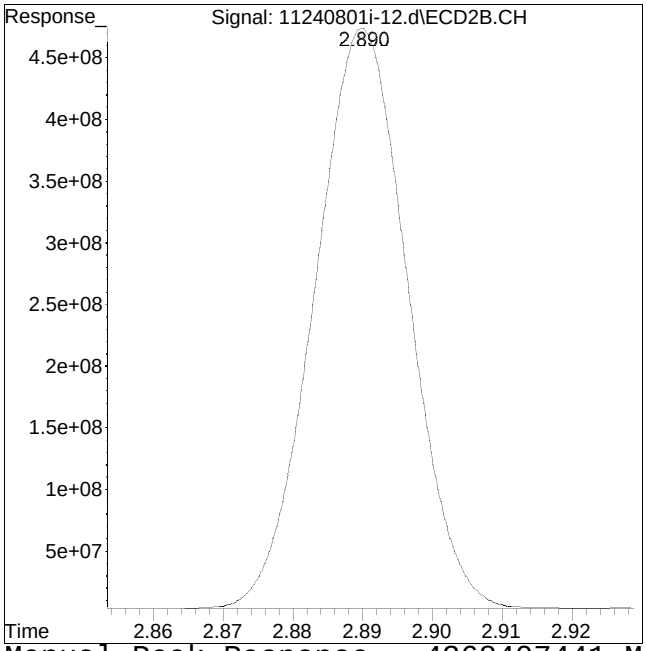
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #45: delta-BHC #2





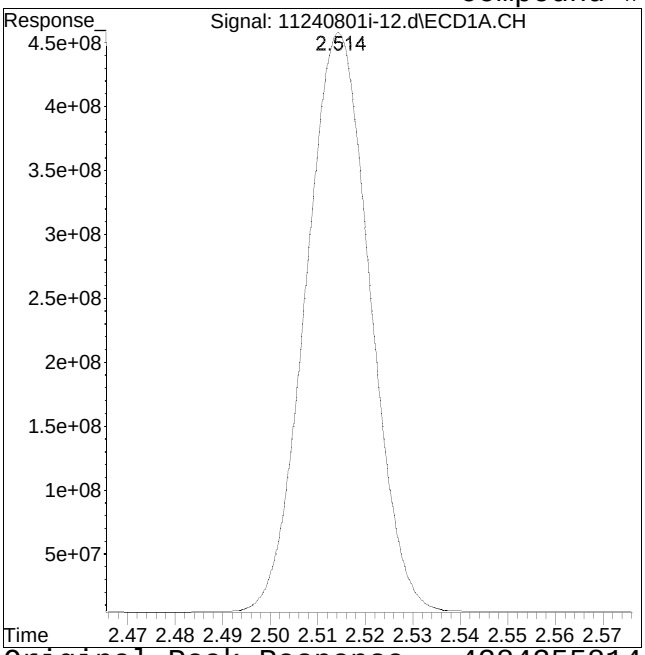
Original Peak Response = 4369817840 Manual Peak Response = 4368407441 M4
M4 = Poor automated baseline construction.

Manual Integration Report

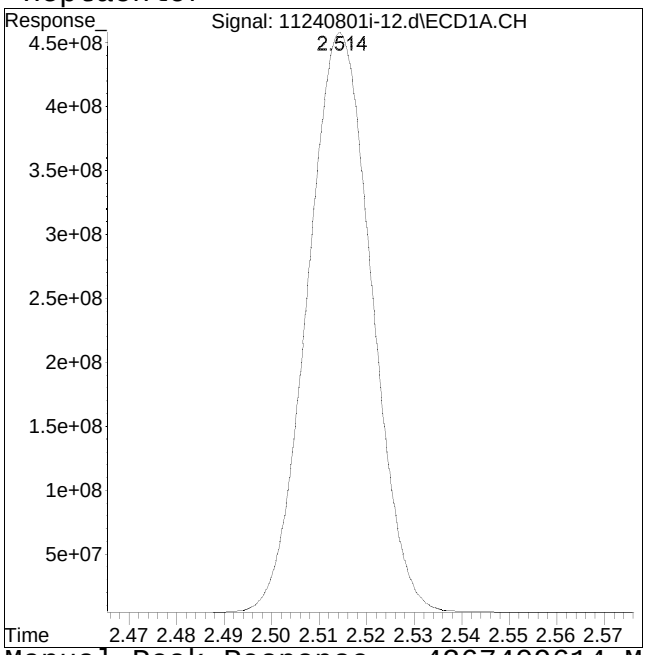
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #8: Heptachlor



Original Peak Response = 4284355814



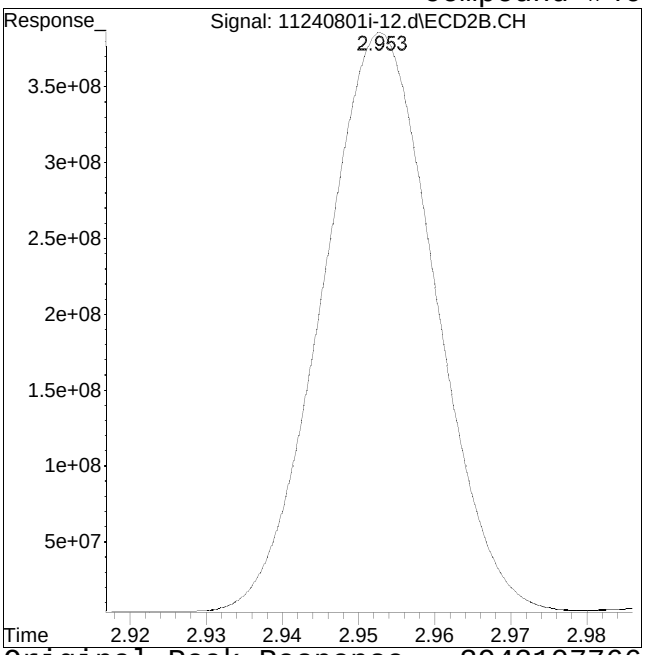
Manual Peak Response = 4267409614 M4

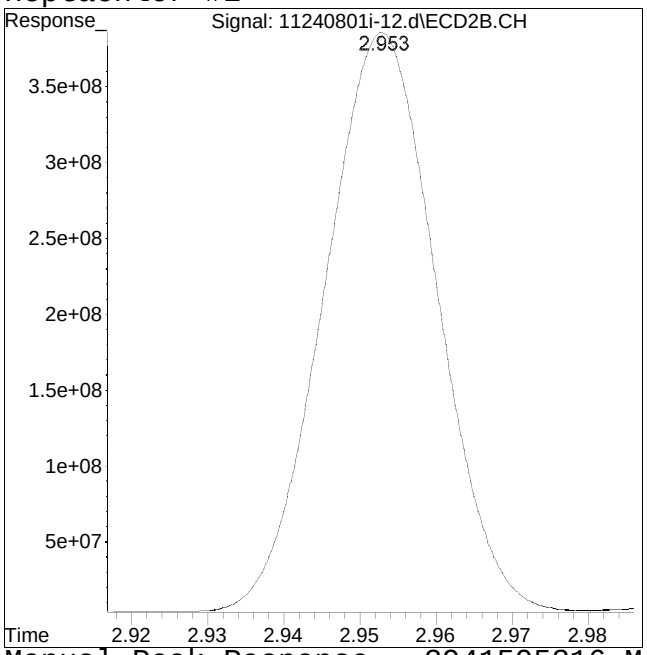
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #46: Heptachlor #2





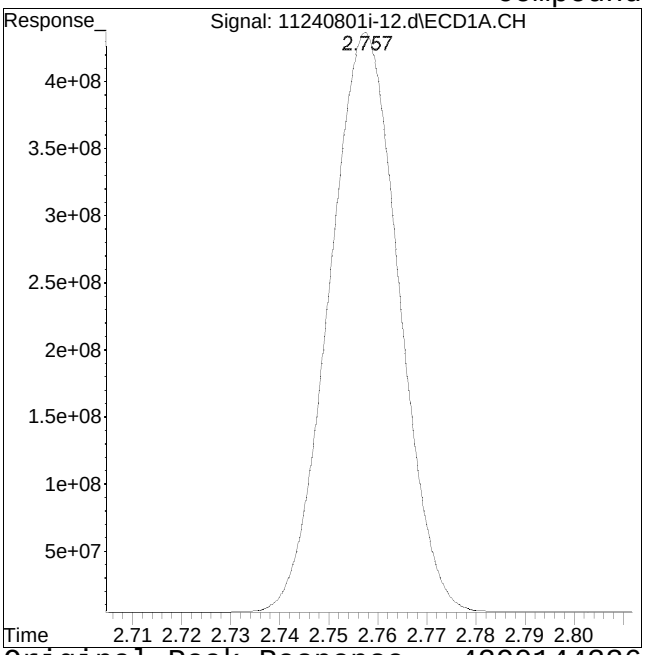
Original Peak Response = 3942107766 Manual Peak Response = 3941595316 M4
M4 = Poor automated baseline construction.

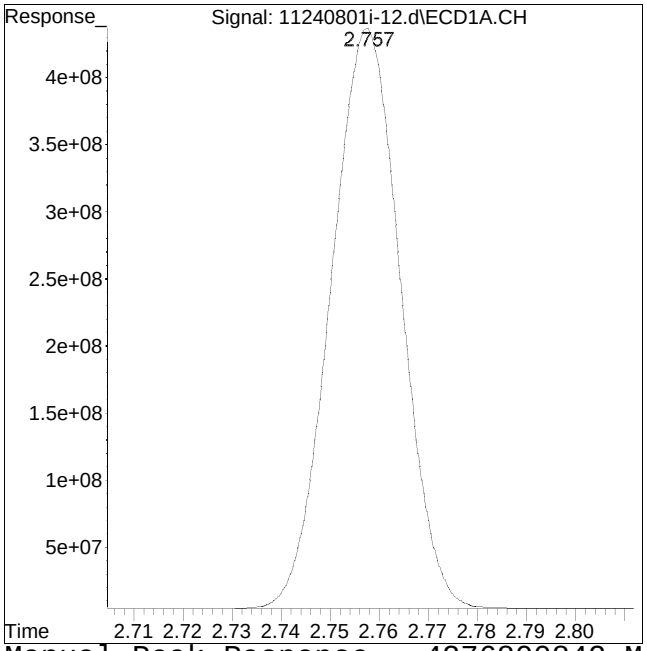
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #9: Aldrin



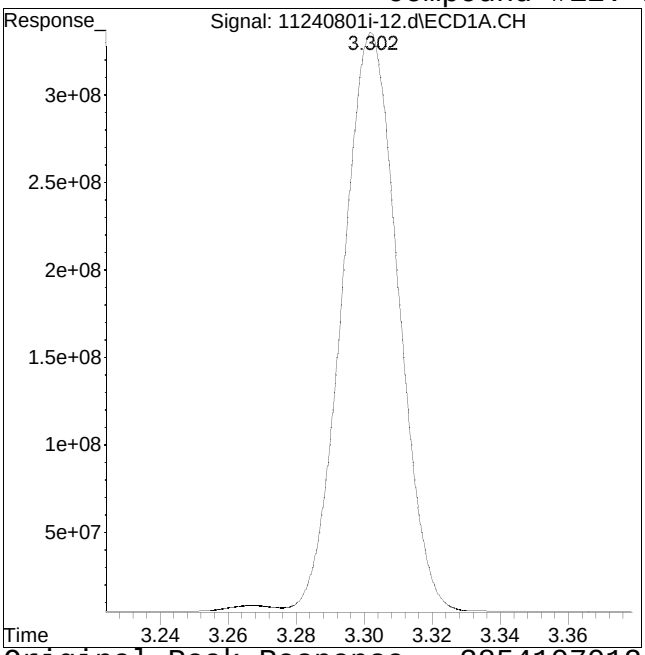


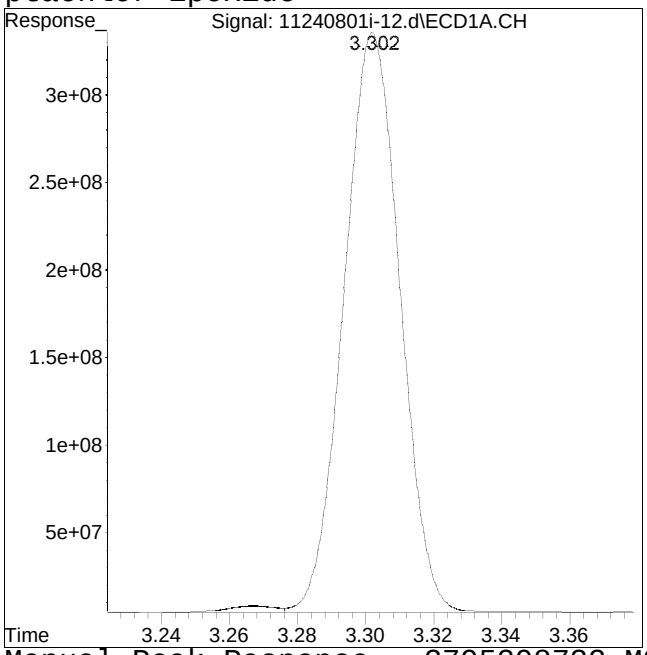
Original Peak Response = 4290144336 Manual Peak Response = 4276800842 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #12: Heptachlor Epoxide



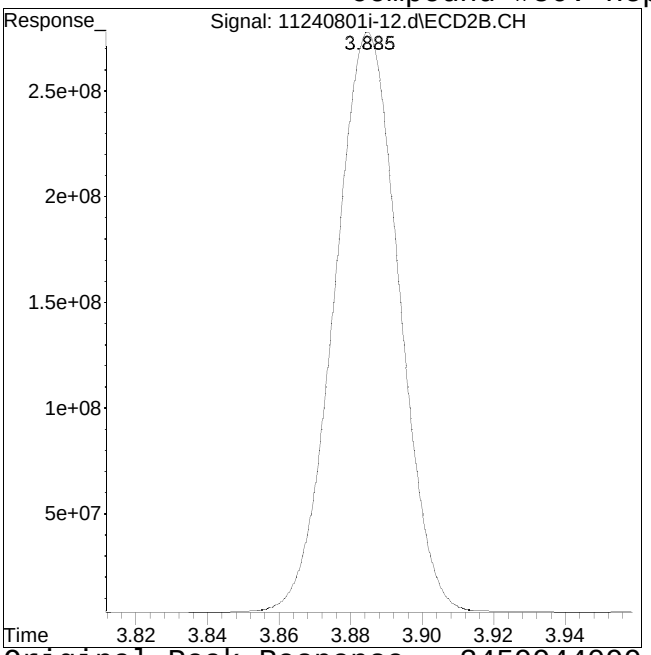


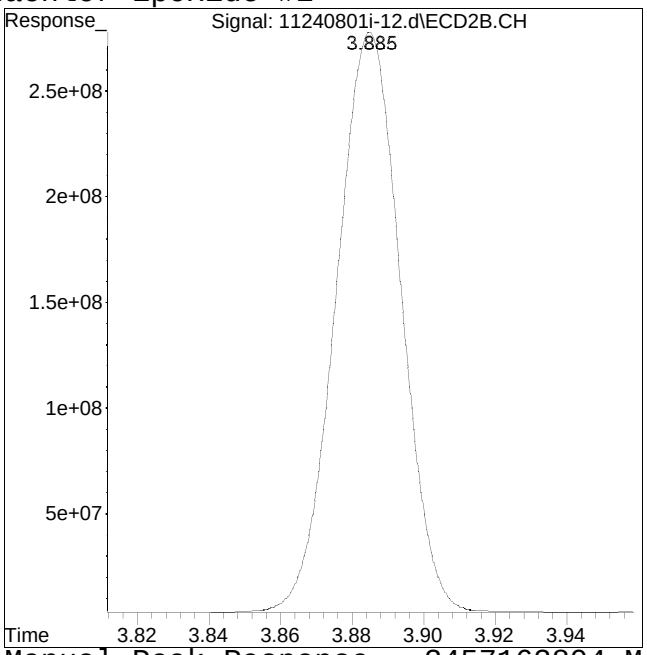
Original Peak Response = 3854107012 Manual Peak Response = 3795298732 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #50: Heptachlor Epoxide #2





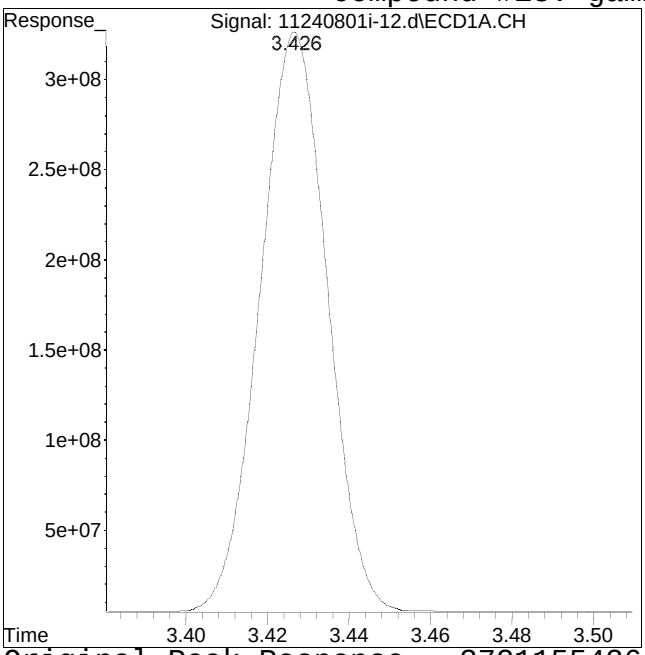
Original Peak Response = 3459944099 Manual Peak Response = 3457163804 M4
M4 = Poor automated baseline construction.

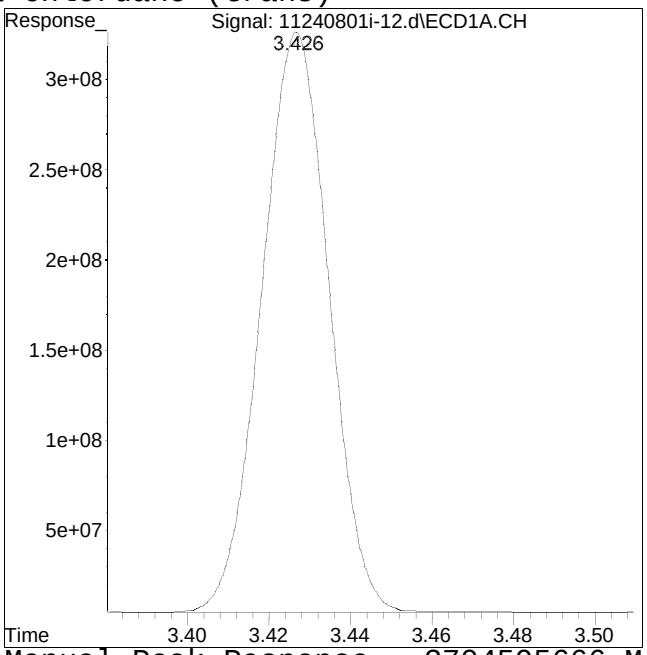
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #13: gamma-Chlordane (trans)



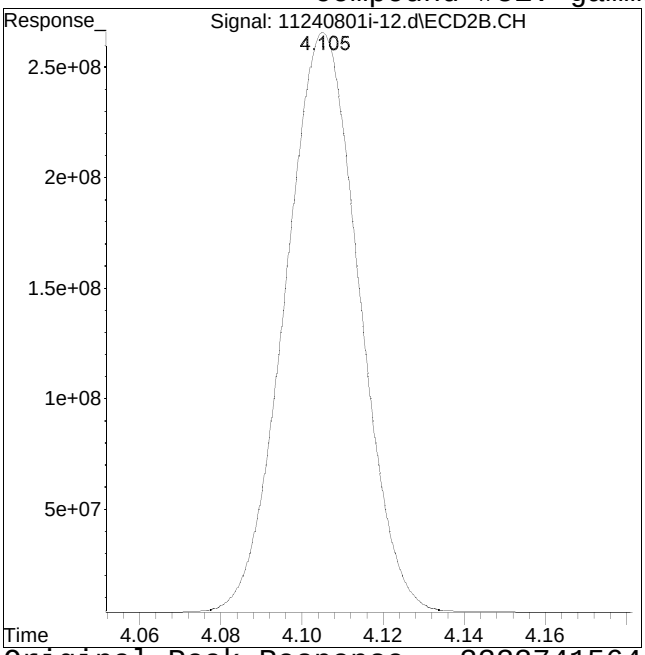


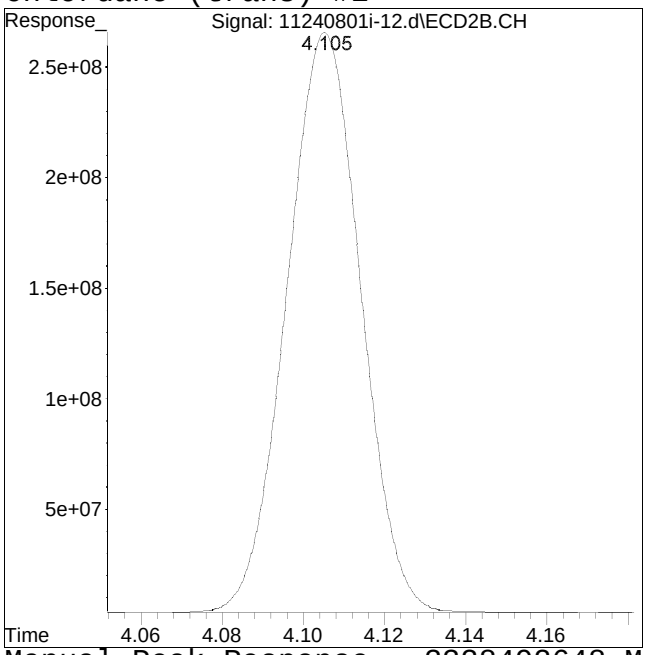
Original Peak Response = 3721155426 Manual Peak Response = 3704595666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #51: gamma-Chlordane (trans) #2



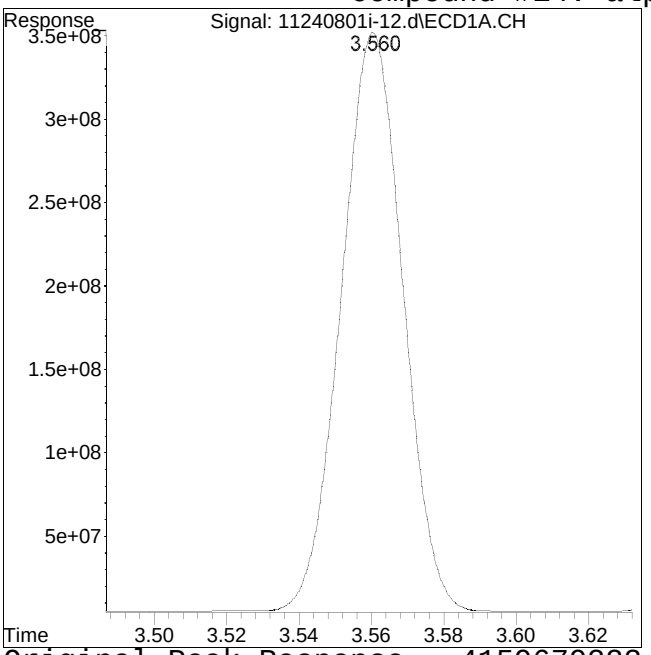


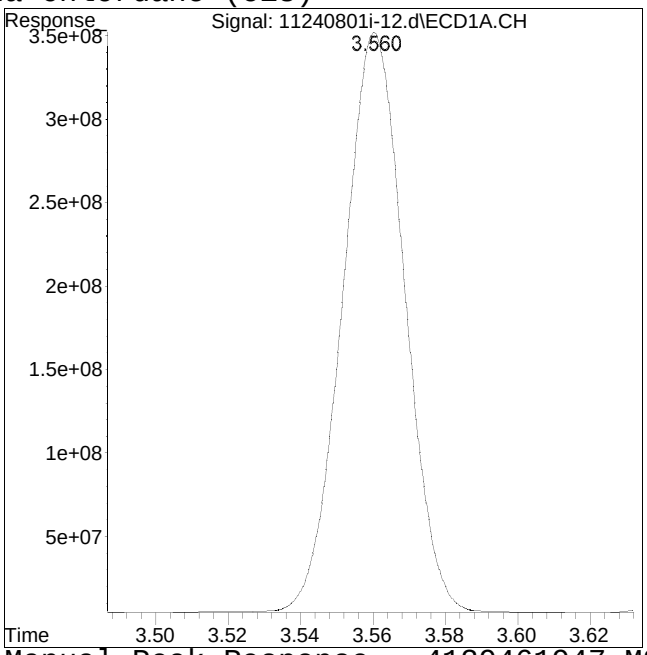
Original Peak Response = 3333741564 Manual Peak Response = 3328492648 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #14: alpha-Chlordane (cis)





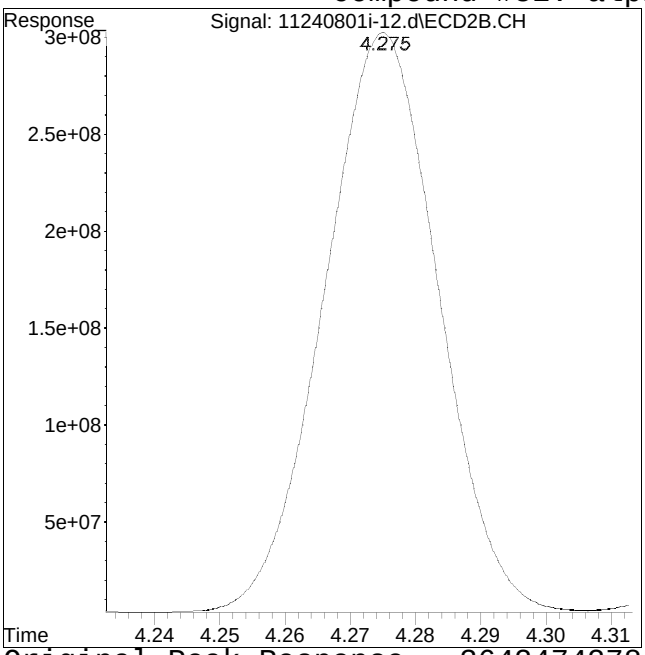
Original Peak Response = 4159679223 Manual Peak Response = 4129461947 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

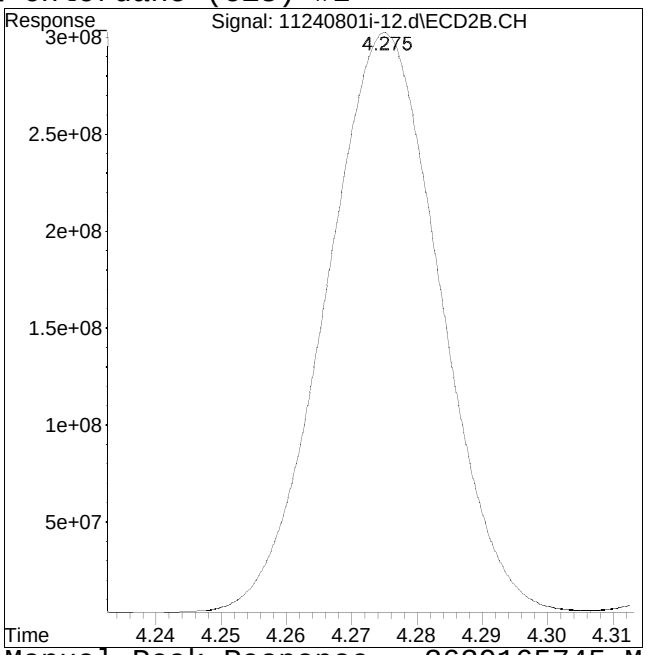
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #52: alpha-Chlordane (cis) #2





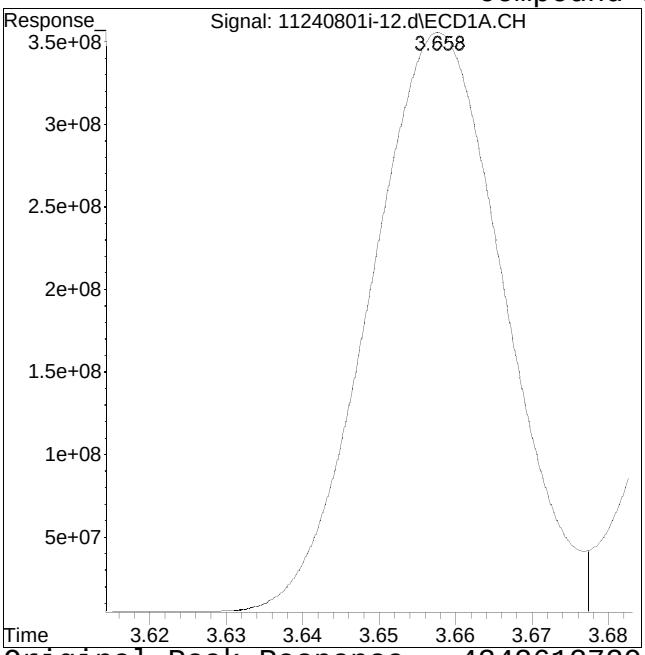
Original Peak Response = 3642474278 Manual Peak Response = 3639165745 M4
M4 = Poor automated baseline construction.

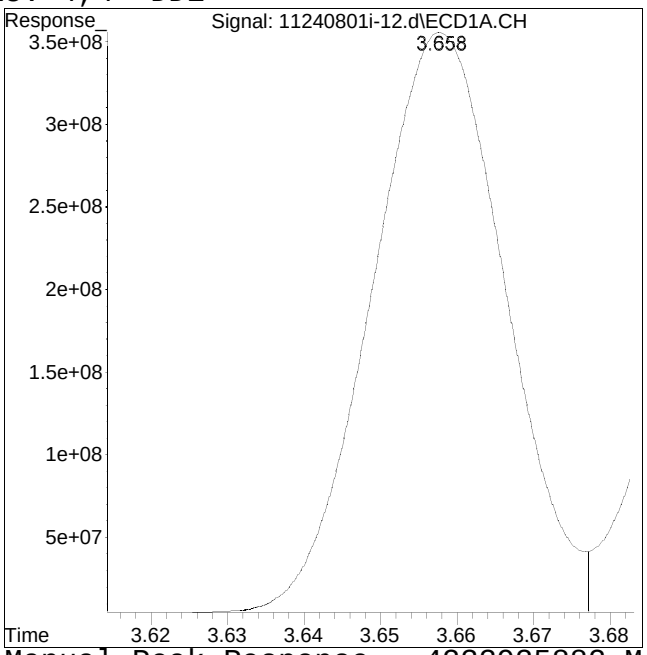
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #15: 4,4'-DDE



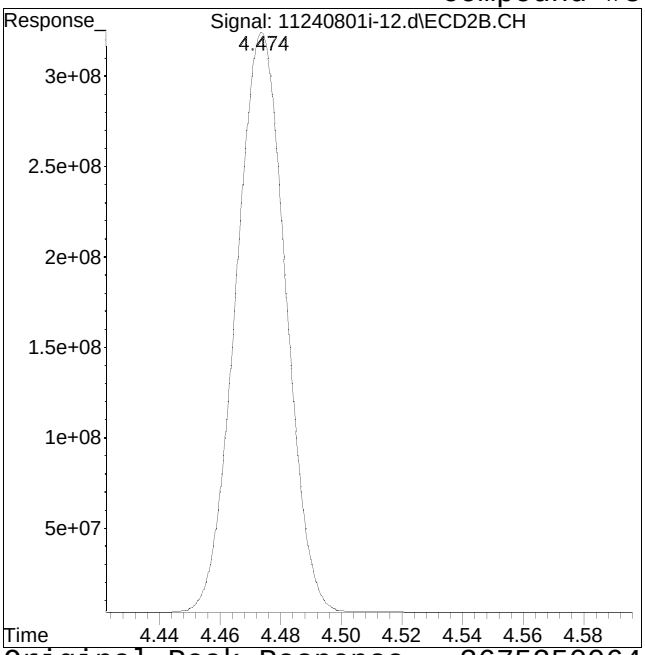


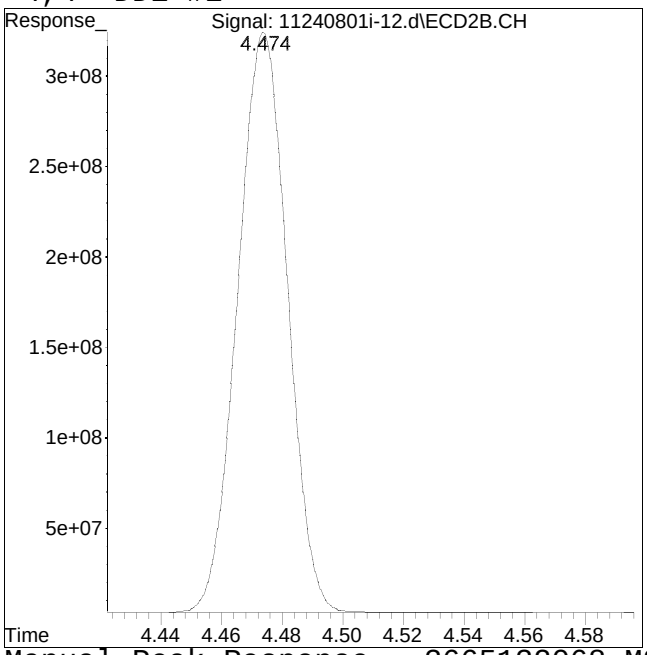
Original Peak Response = 4242612729 Manual Peak Response = 4233935882 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #53: 4,4'-DDE #2



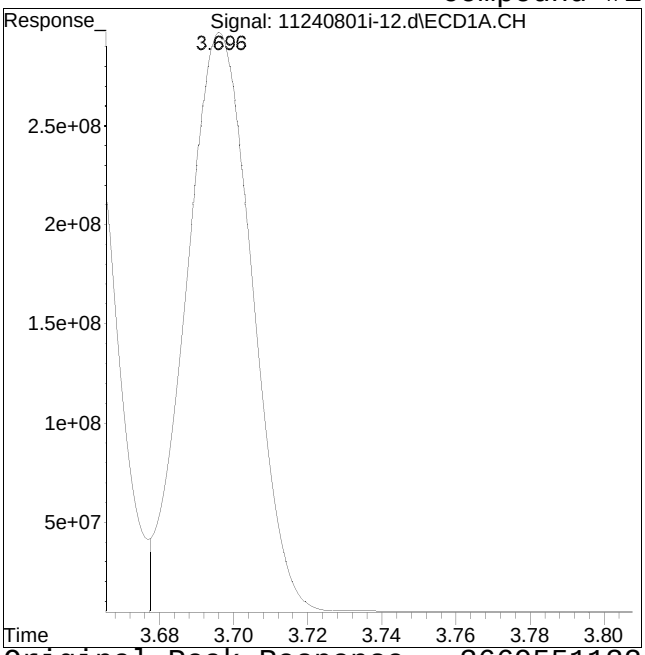


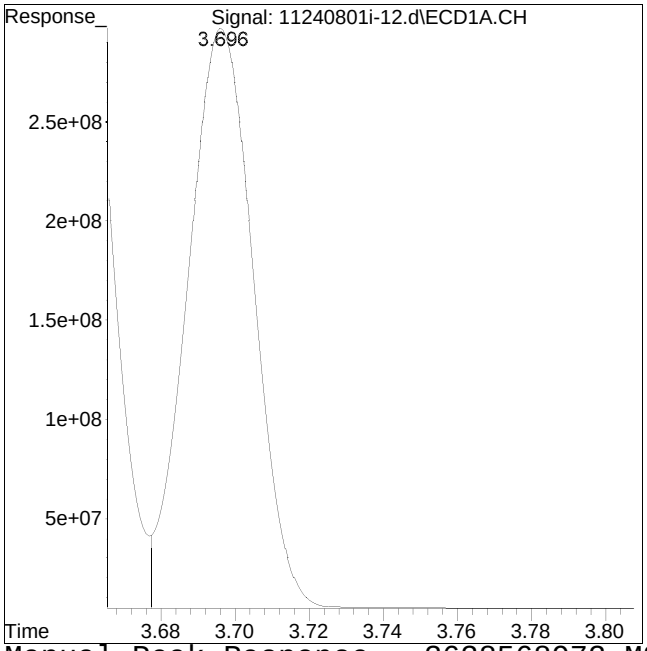
Original Peak Response = 3675250064 Manual Peak Response = 3665132068 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #16: Endosulfan I



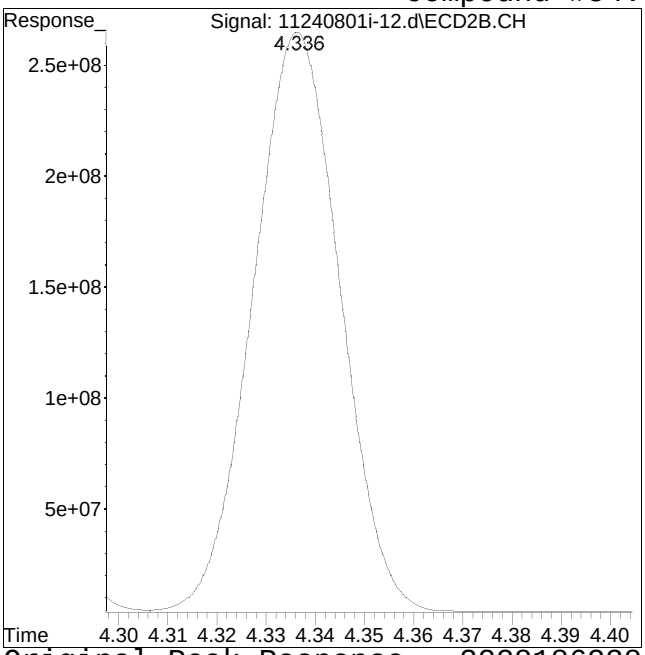


Original Peak Response = 3669551132 Manual Peak Response = 3638568973 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

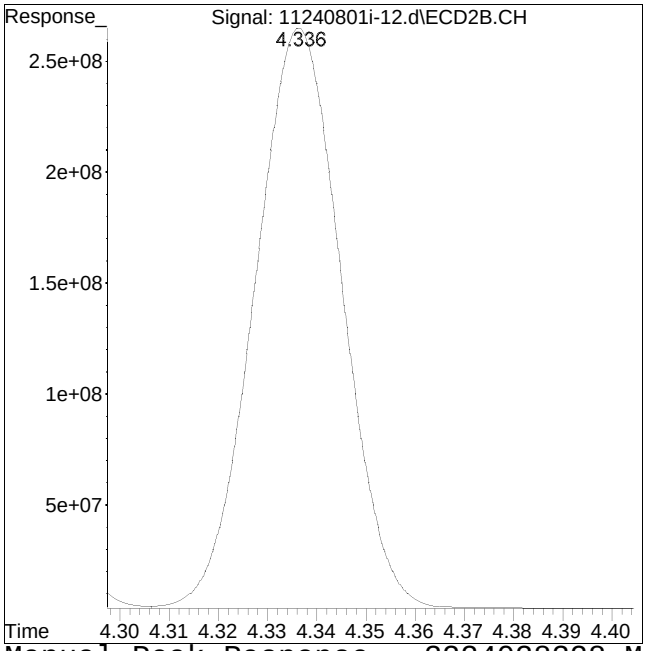
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #54: Endosulfan I #2



Original Peak Response = 3228186238



Manual Peak Response = 3224038328 M4

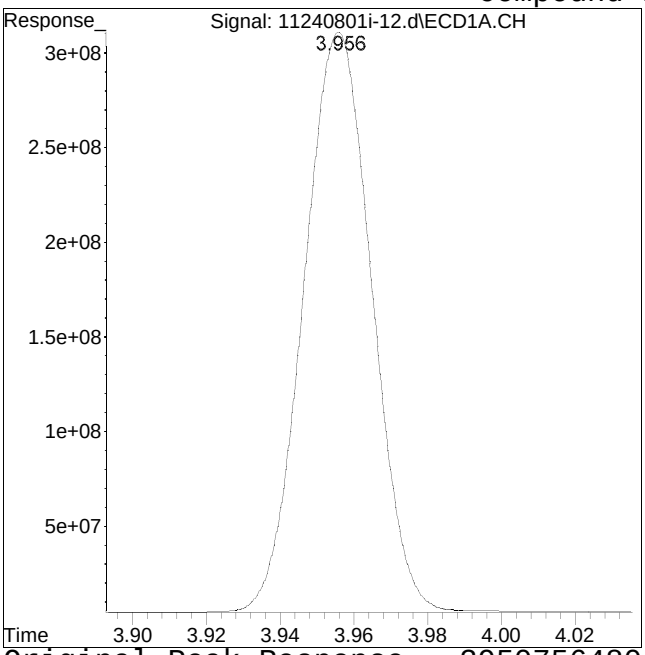
M4 = Poor automated baseline construction.

Manual Integration Report

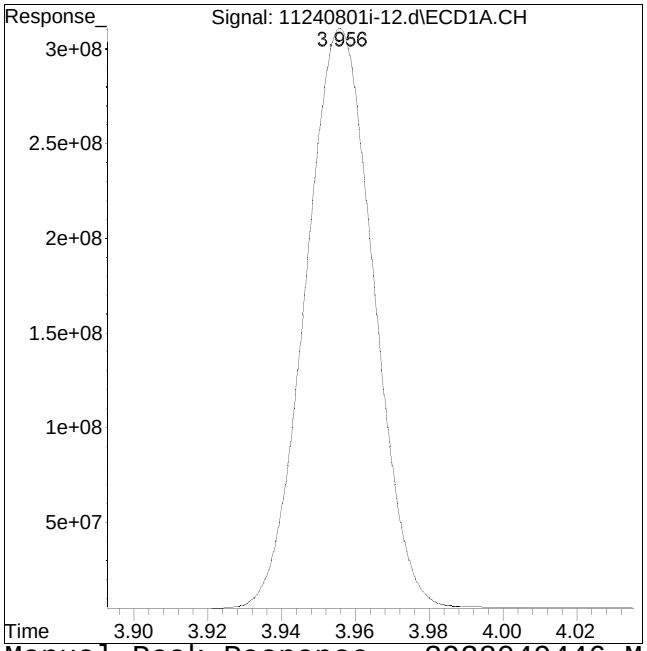
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #17: Dieldrin



Original Peak Response = 3950756480



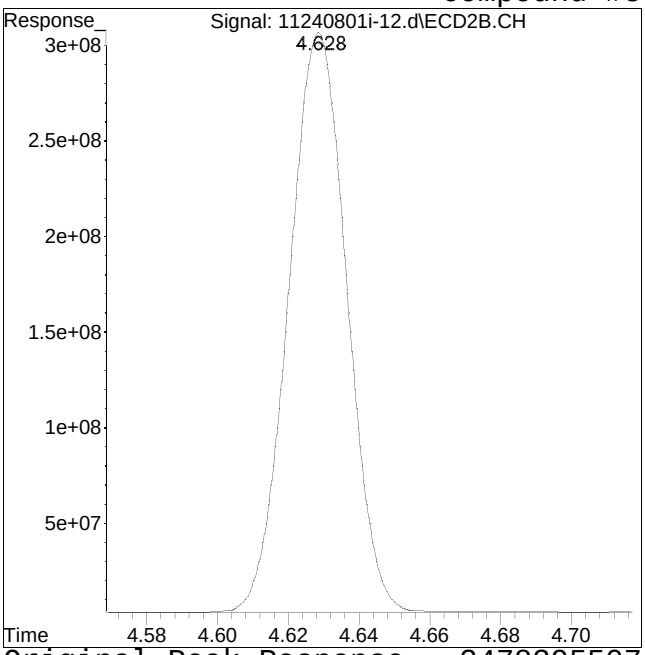
Manual Peak Response = 3938049446 M4

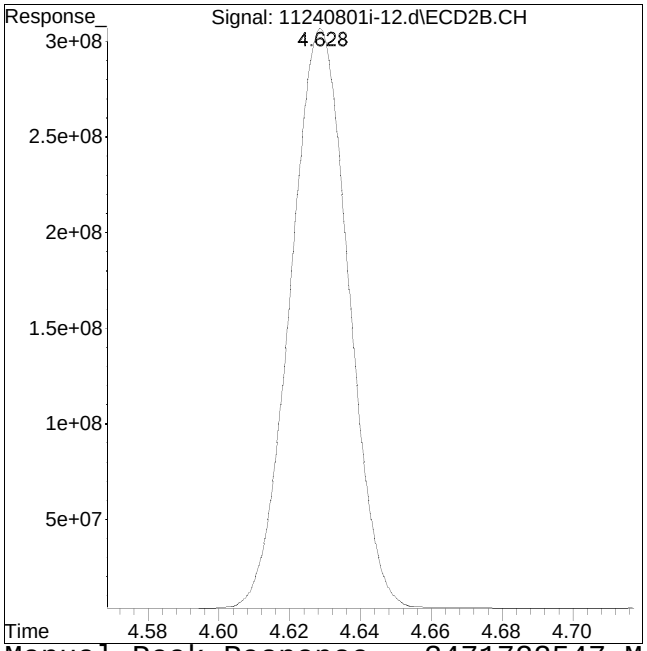
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #55: Dieldrin #2



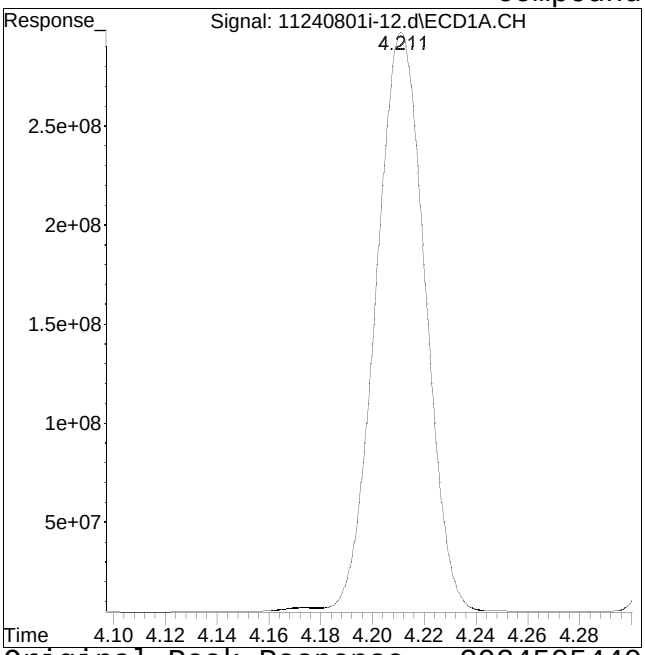


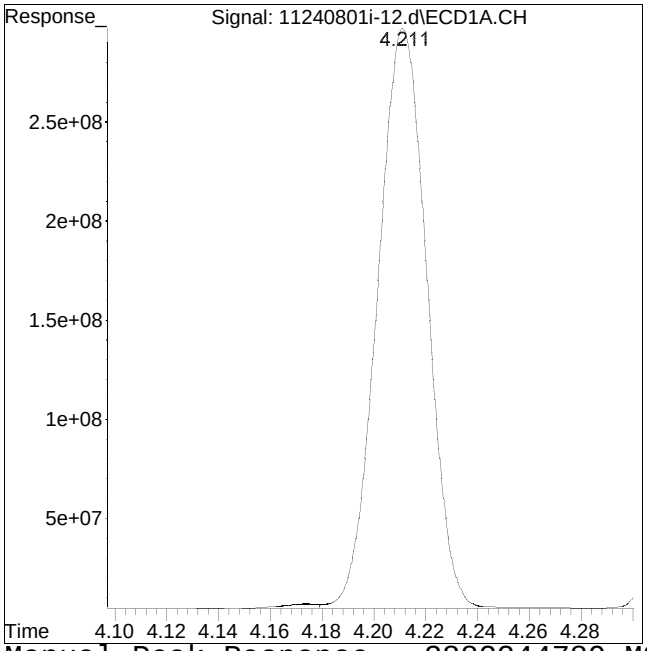
Original Peak Response = 3478395507 Manual Peak Response = 3471722547 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #18: Endrin





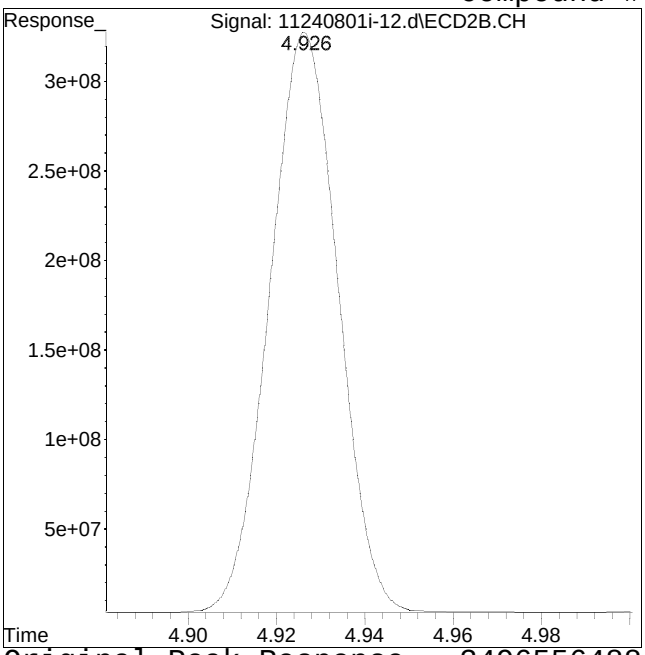
Original Peak Response = 3924505440 Manual Peak Response = 3882244789 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

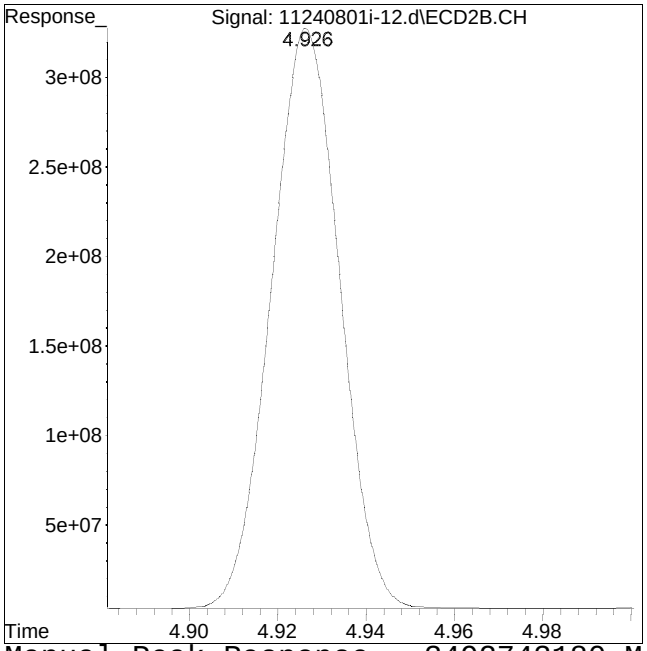
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #56: Endrin #2



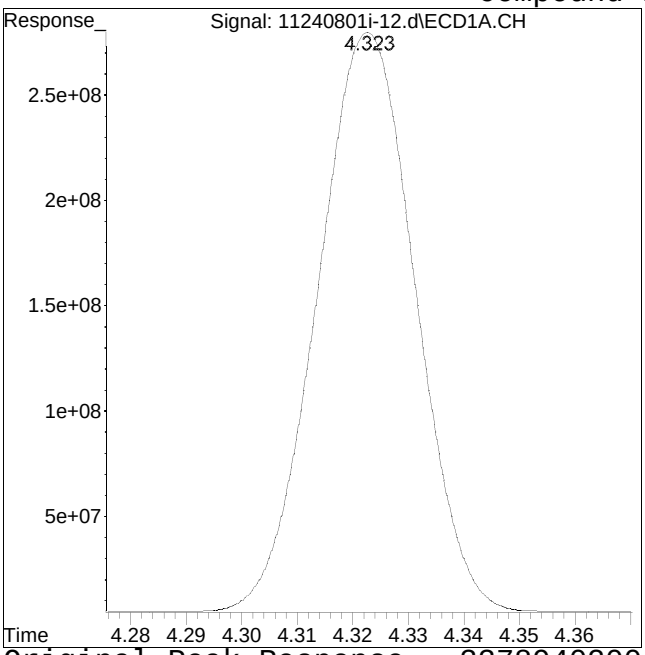


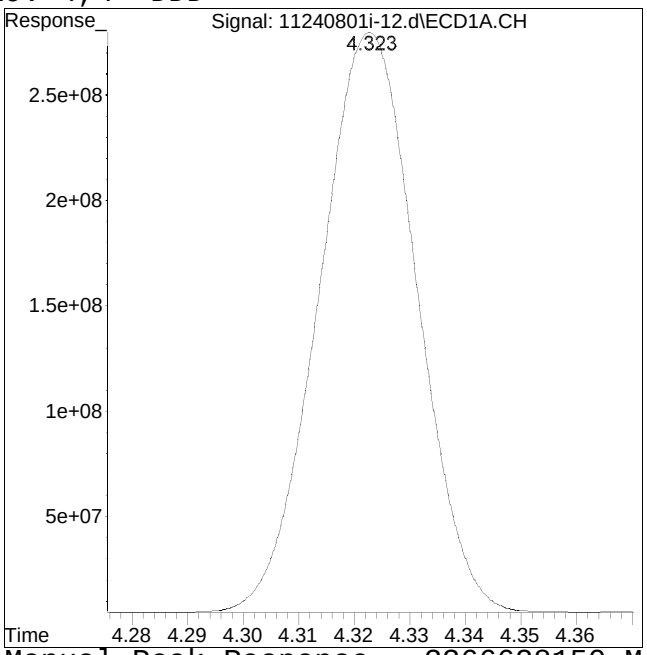
Original Peak Response = 3496556488 Manual Peak Response = 3492743180 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-12.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:25 Instrument : Pest 11
Sample : il11pest,42e,,pp 11678 L0.Quant Date : 8/2/2024 9:58 am

Compound #19: 4,4'-DDD





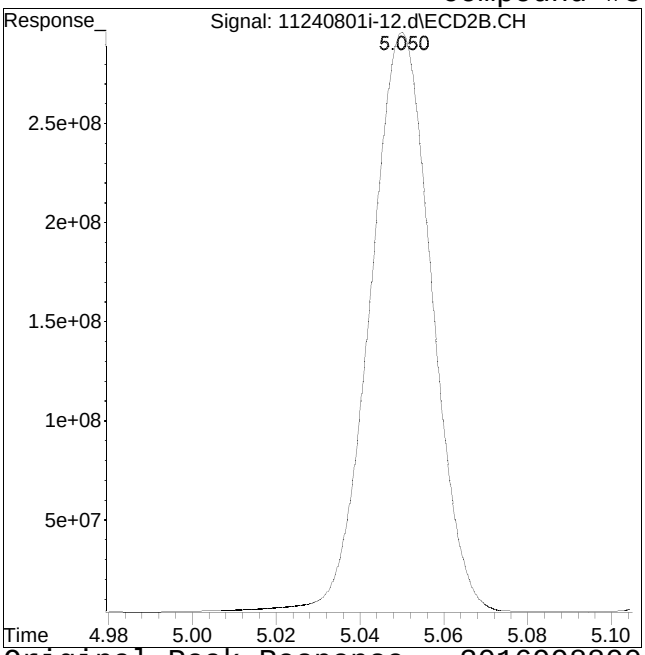
Original Peak Response = 3378940200 Manual Peak Response = 3366628150 M4
M4 = Poor automated baseline construction.

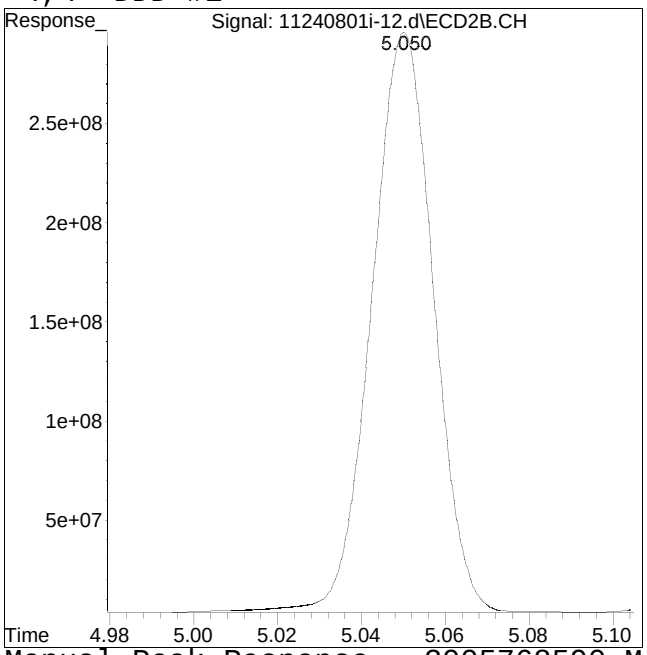
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #57: 4,4'-DDD #2



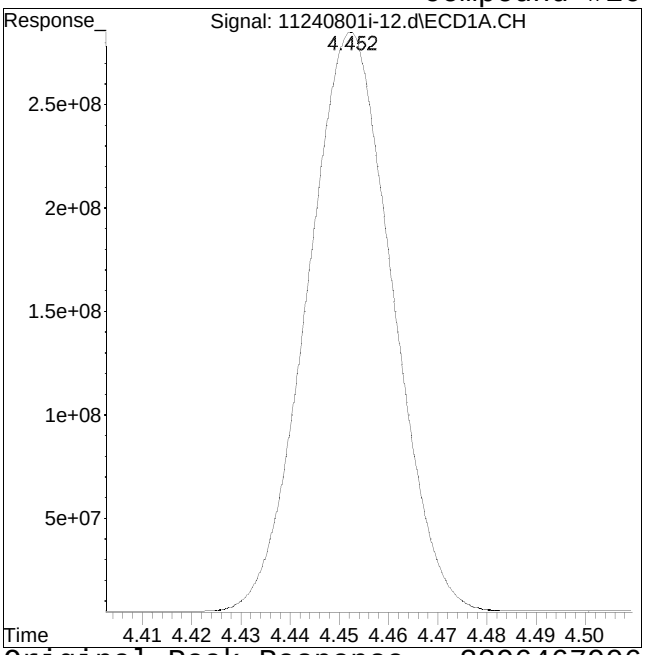


Original Peak Response = 3016998800 Manual Peak Response = 3005768590 M4
M4 = Poor automated baseline construction.

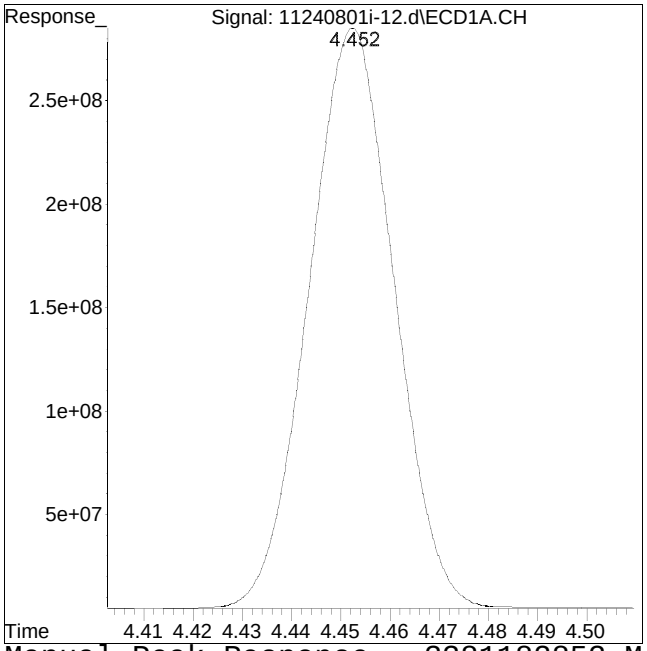
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #20: Endosulfan II



Original Peak Response = 3396467906



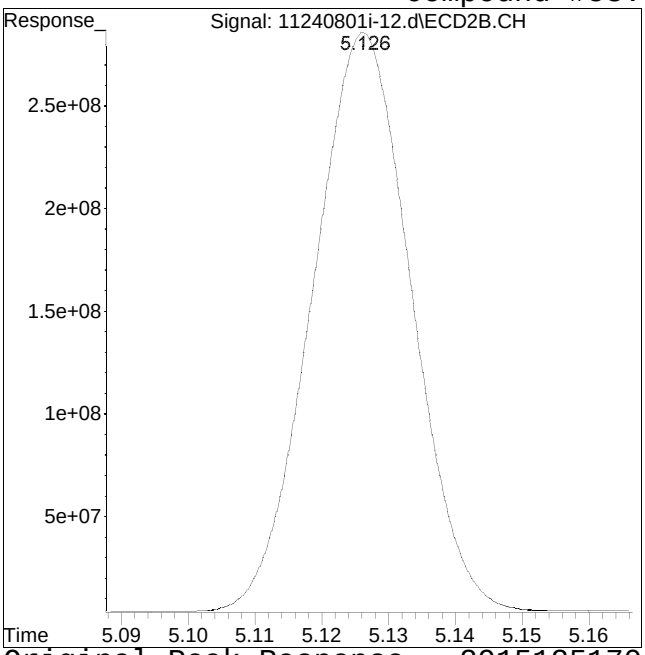
Manual Peak Response = 3381182853 M4

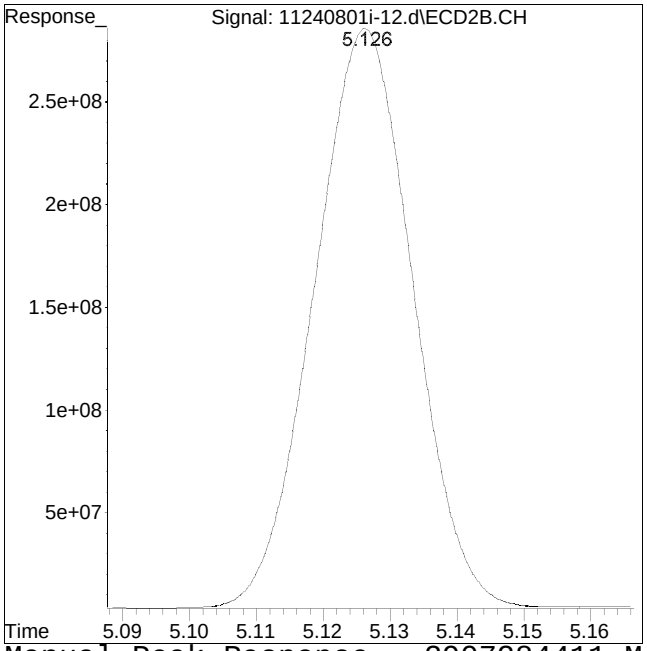
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #58: Endosulfan II #2





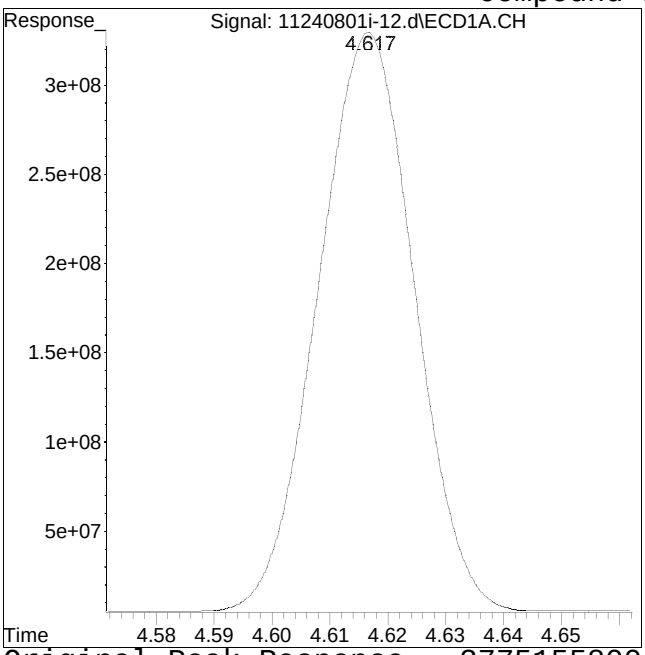
Original Peak Response = 2915125170 Manual Peak Response = 2907284411 M4
M4 = Poor automated baseline construction.

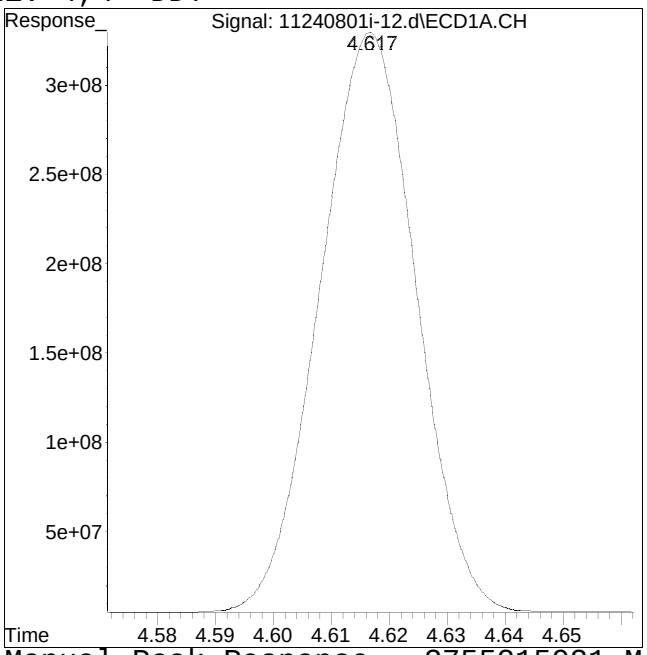
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #21: 4,4'-DDT



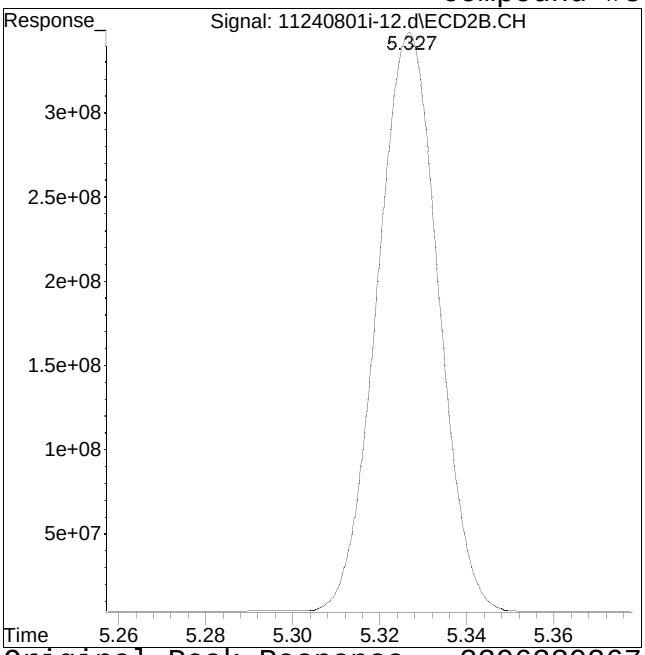


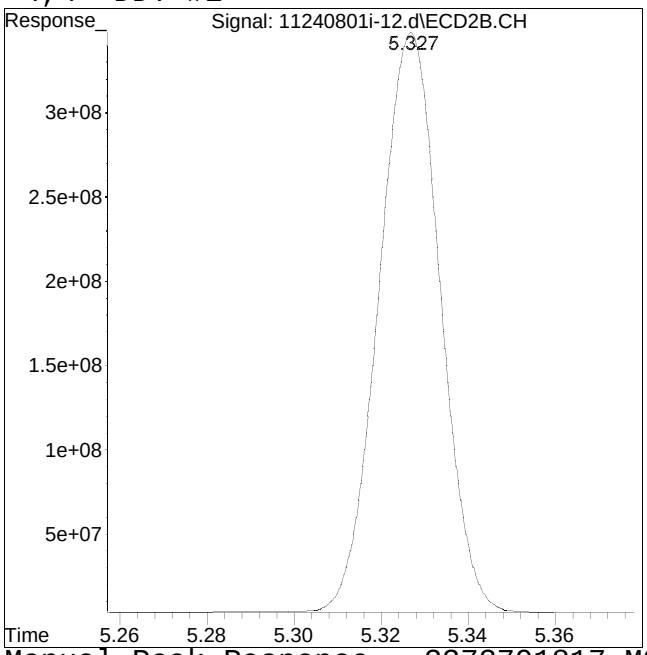
Original Peak Response = 3775155800 Manual Peak Response = 3755215921 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #59: 4,4'-DDT #2





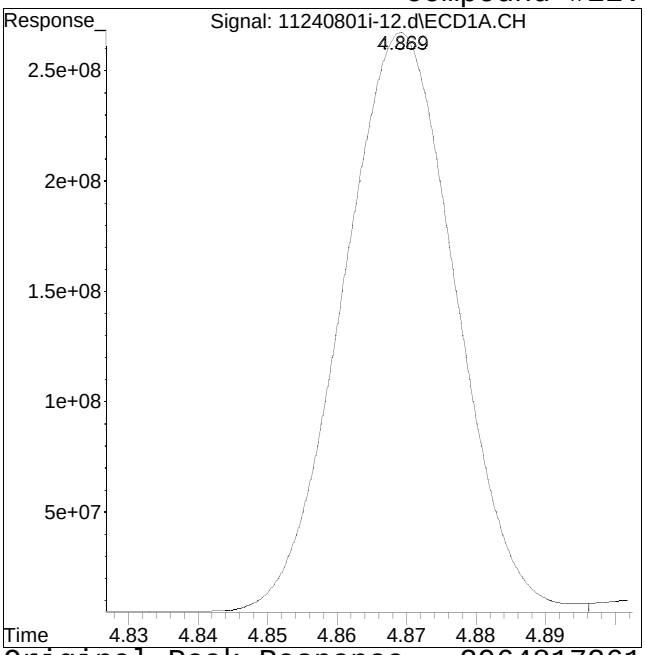
Original Peak Response = 3396339267 Manual Peak Response = 3373791817 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

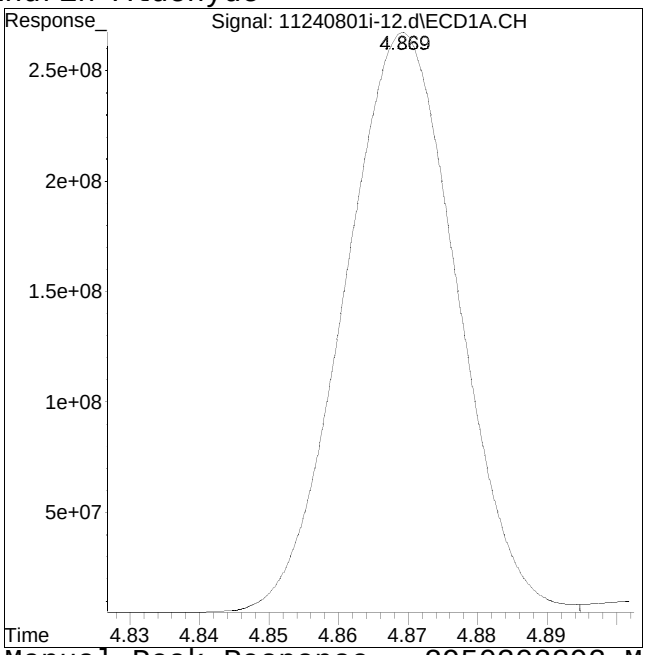
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #22: Endrin Aldehyde





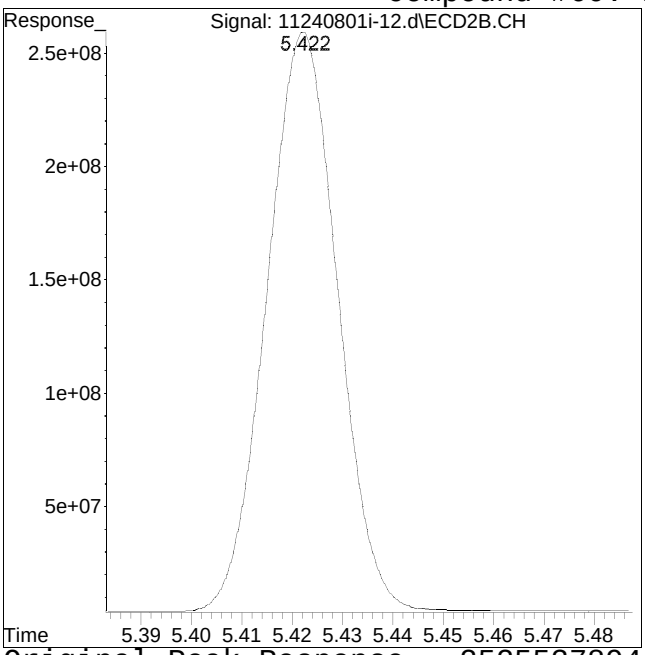
Original Peak Response = 2964817261 Manual Peak Response = 2950302392 M4
M4 = Poor automated baseline construction.

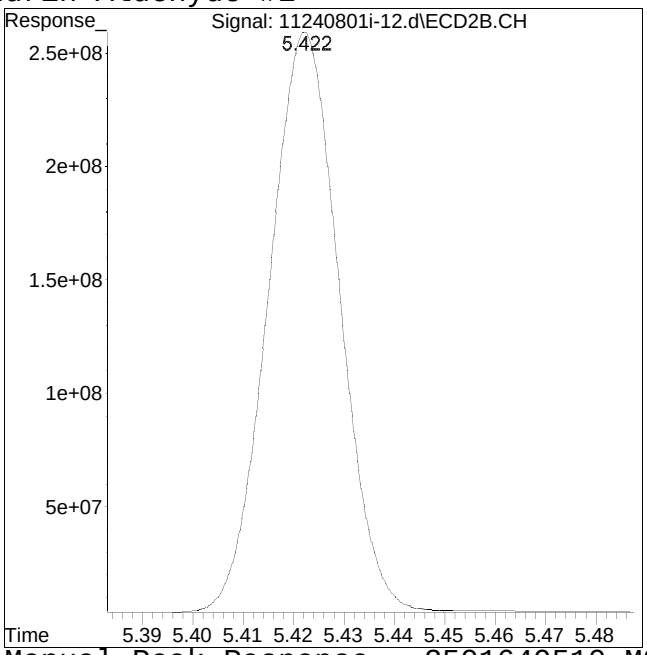
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 2525537894 Manual Peak Response = 2501649510 M3

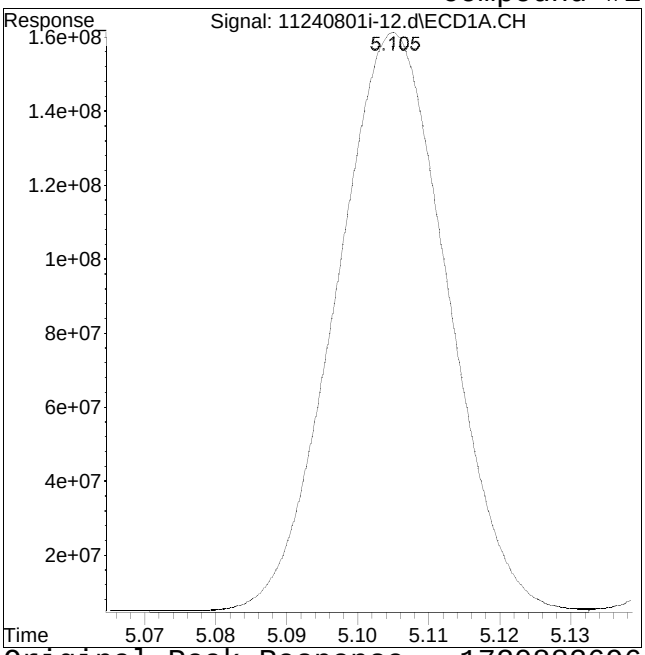
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

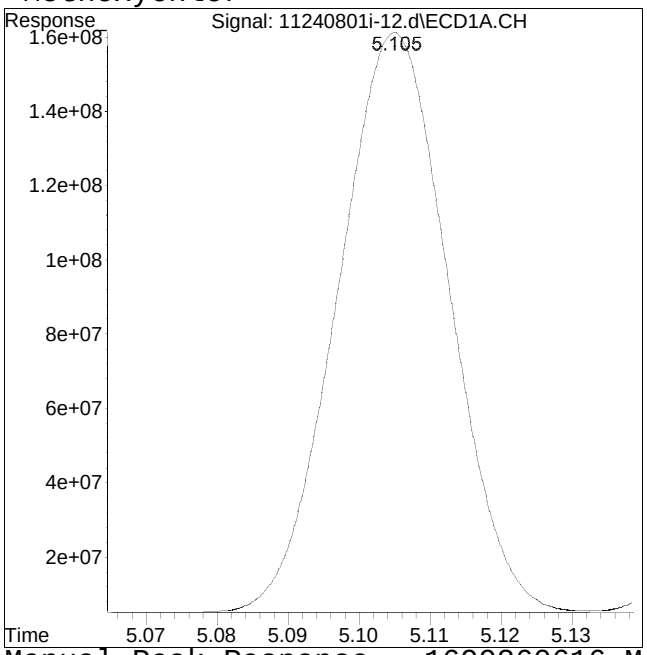
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #23: Methoxychlor





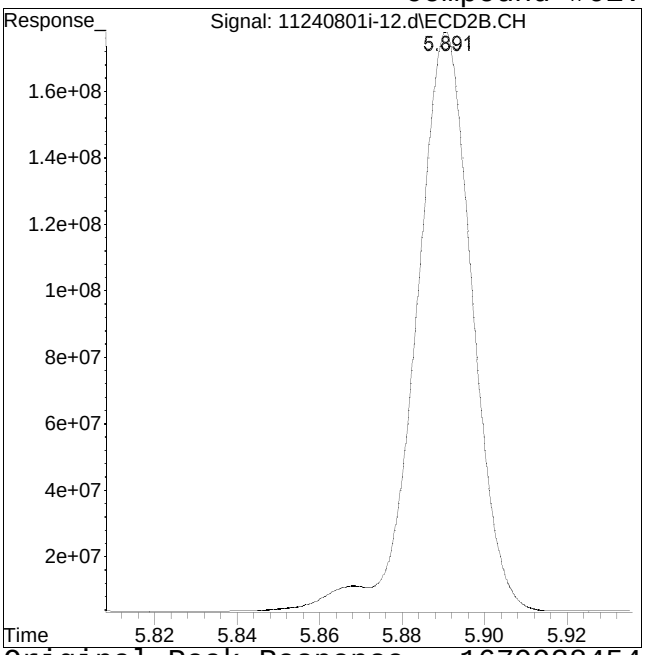
Original Peak Response = 1720883696 Manual Peak Response = 1699260616 M4
M4 = Poor automated baseline construction.

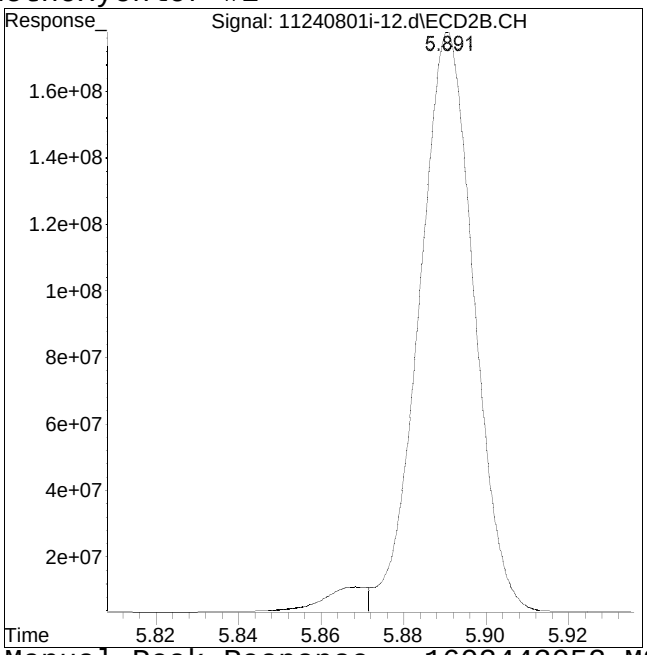
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #61: Methoxychlor #2





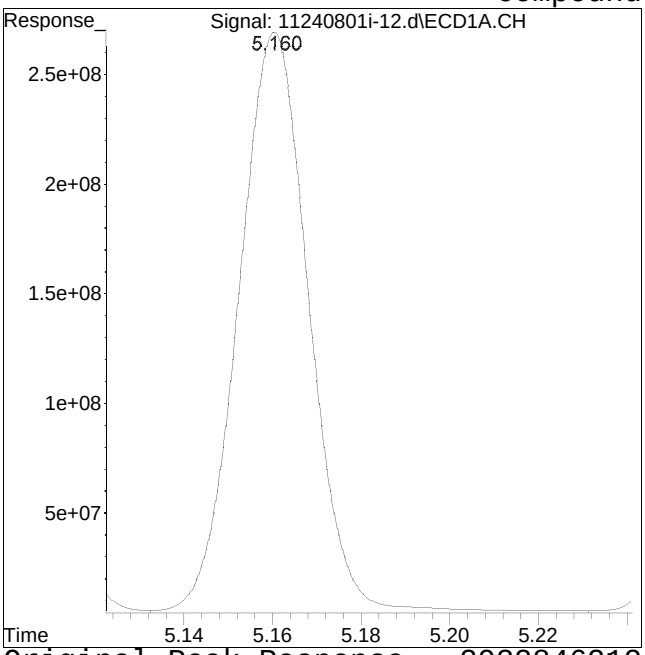
Original Peak Response = 1679938454 Manual Peak Response = 1603443052 M3

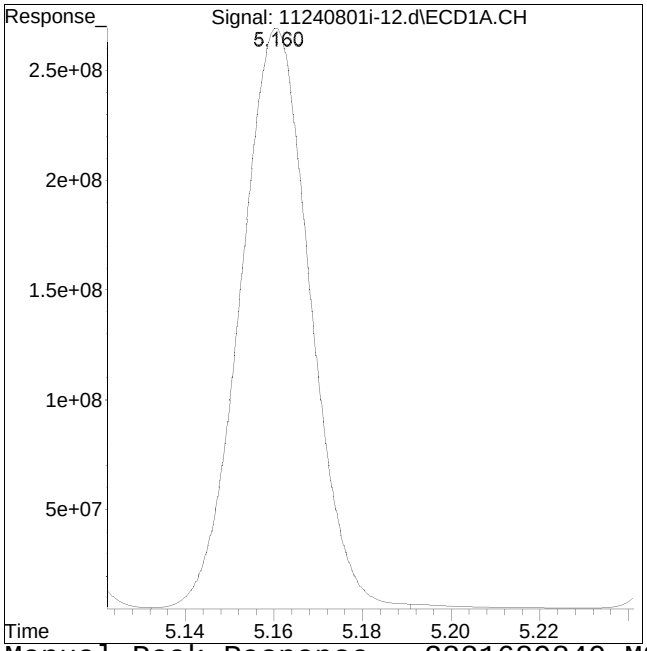
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #24: Mirex





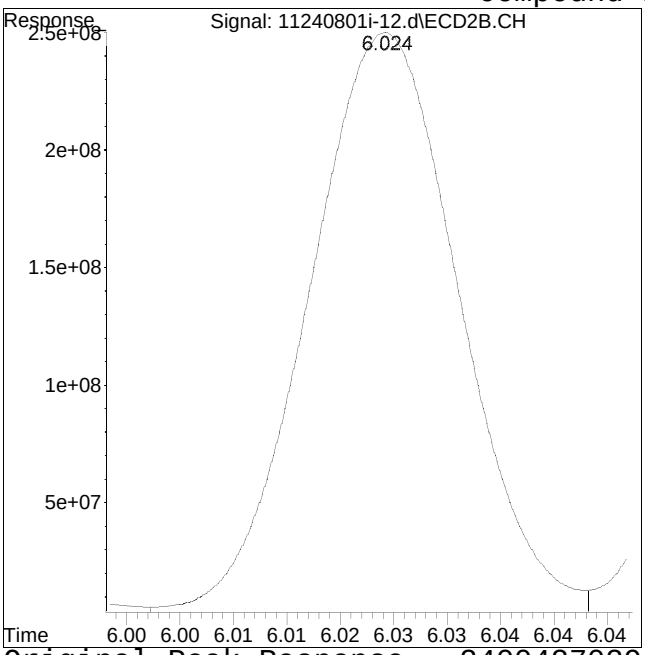
Original Peak Response = 2932846212 Manual Peak Response = 2881689840 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

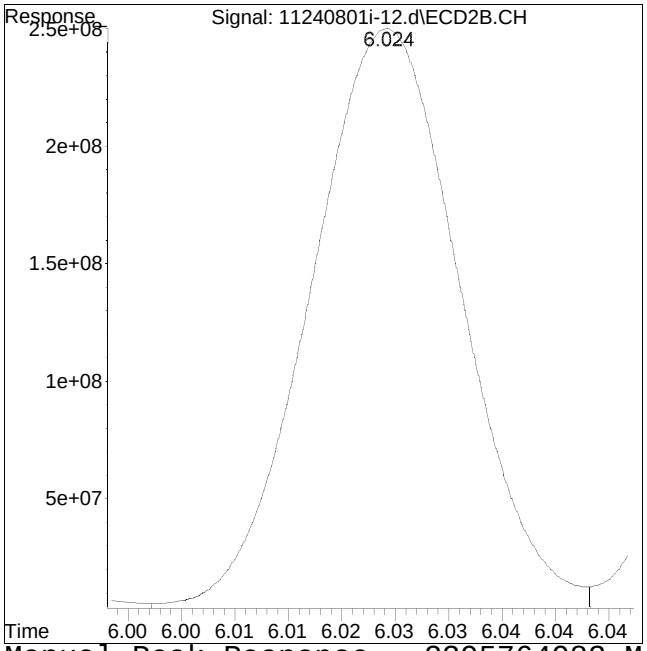
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #62: Mirex #2



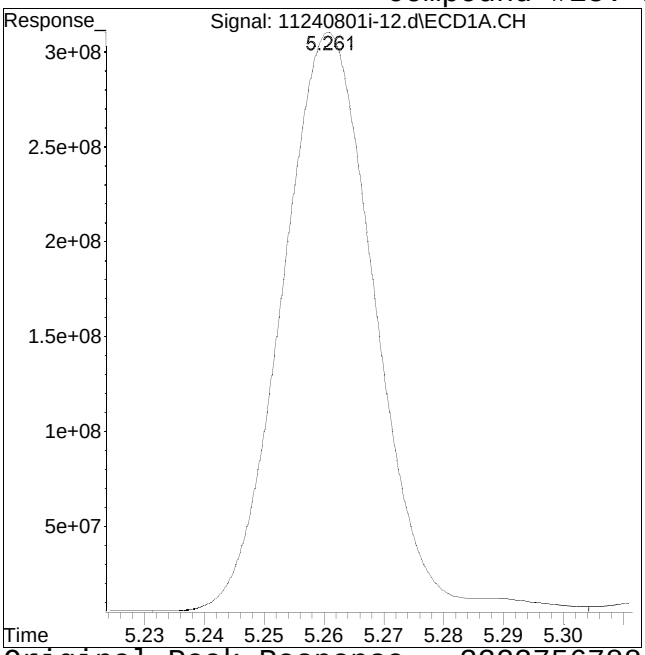


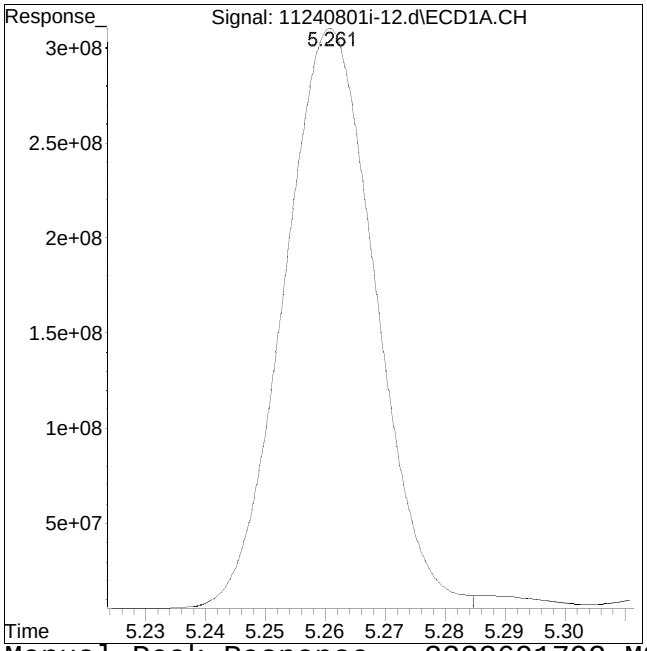
Original Peak Response = 2400427029 Manual Peak Response = 2395764983 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #25: Endosulfan Sulfate



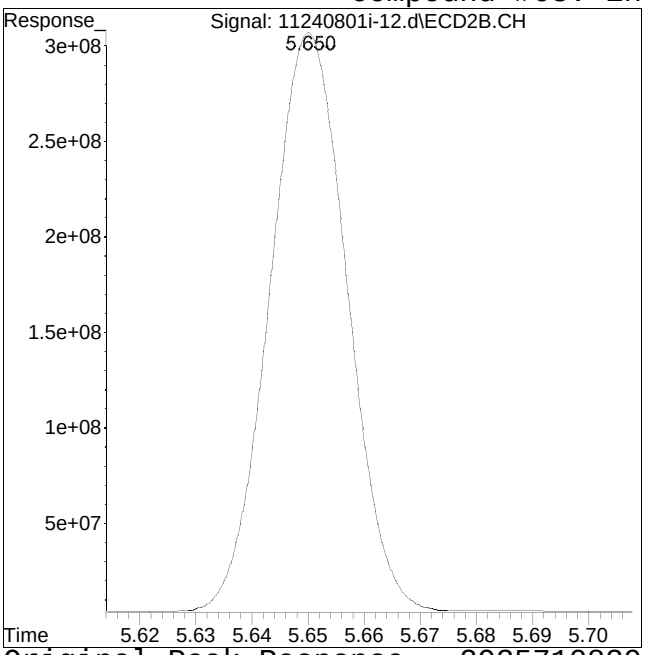


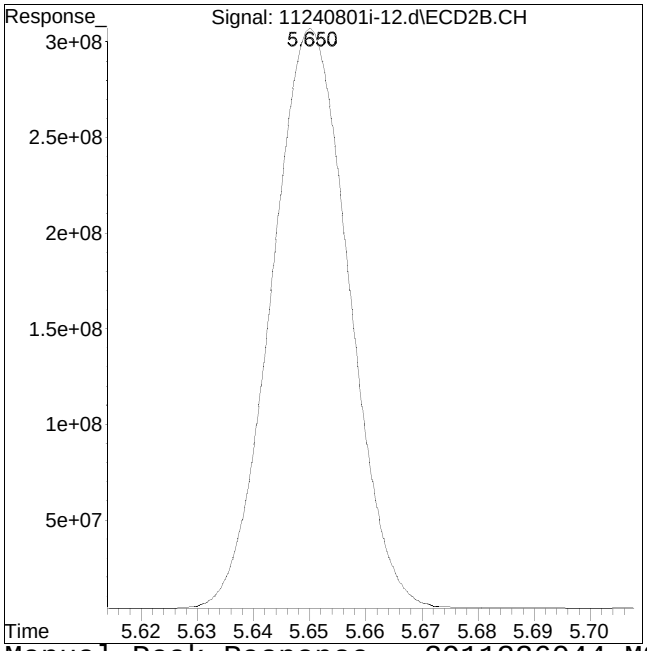
Original Peak Response = 3323756788 Manual Peak Response = 3233691792 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #63: Endosulfan Sulfate #2



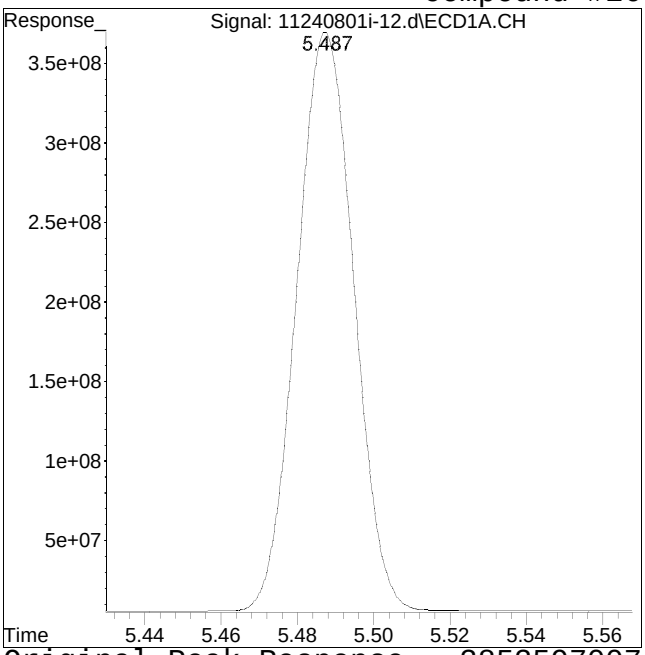


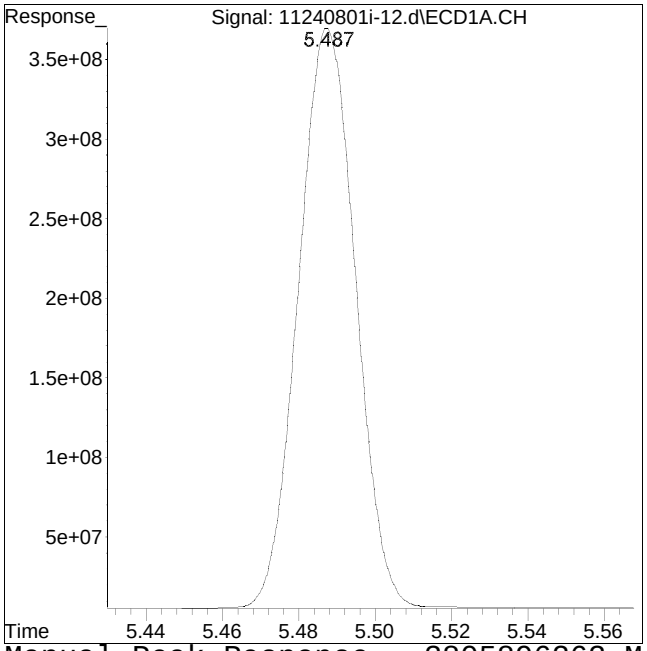
Original Peak Response = 2935710839 Manual Peak Response = 2911336044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #26: Endrin Ketone



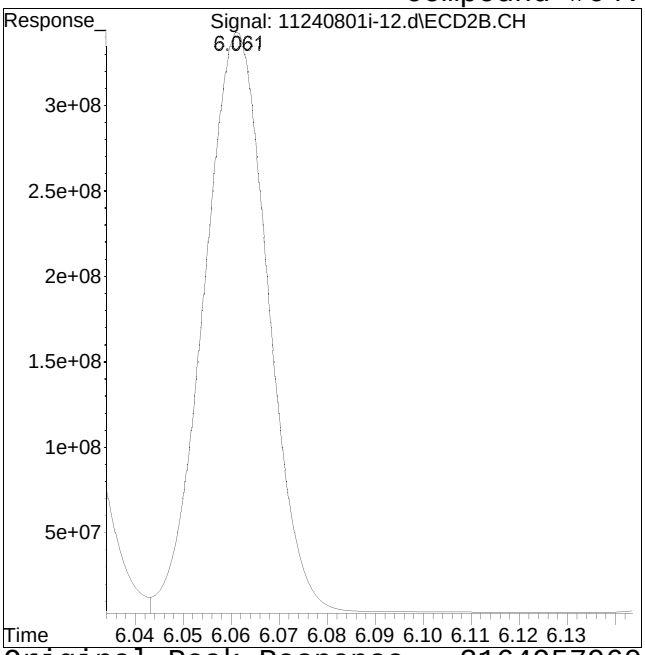


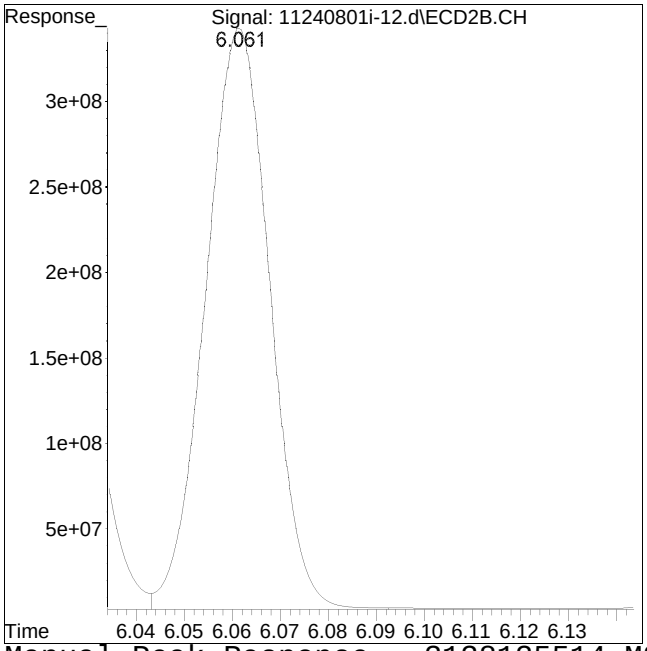
Original Peak Response = 3853597007 Manual Peak Response = 3805896263 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #64: Endrin Ketone #2





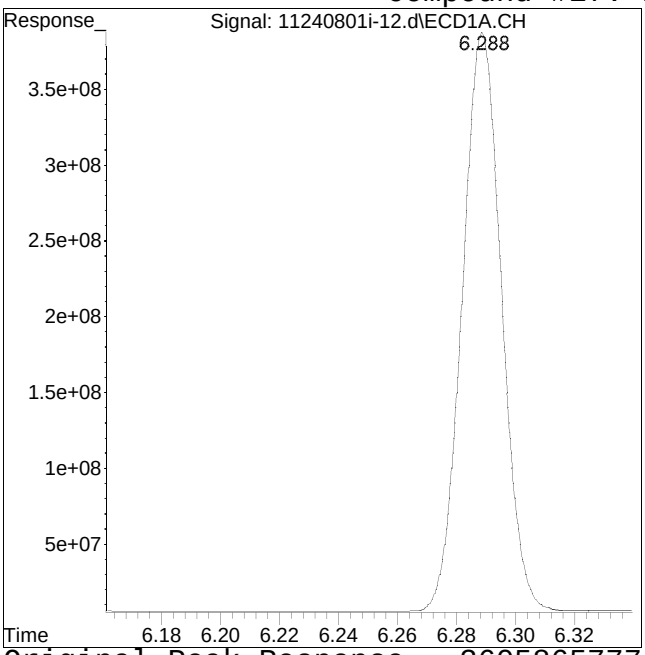
Original Peak Response = 3164957960 Manual Peak Response = 3138135514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

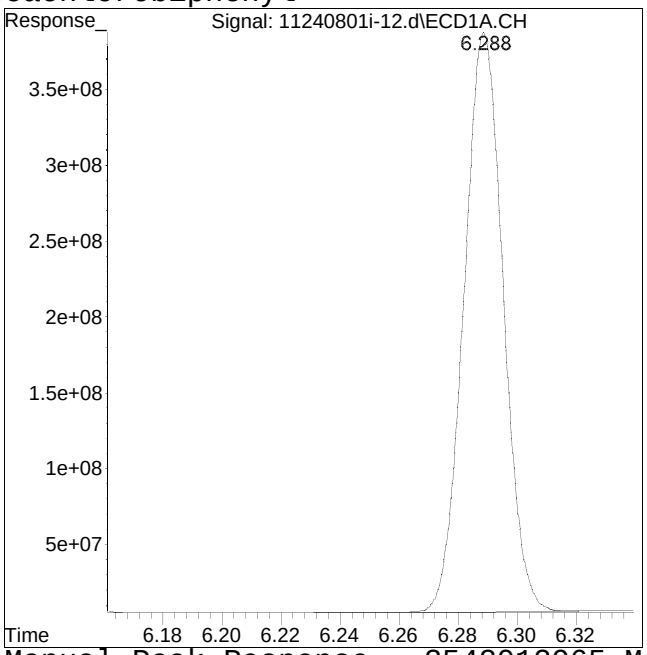
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #27: Decachlorobiphenyl



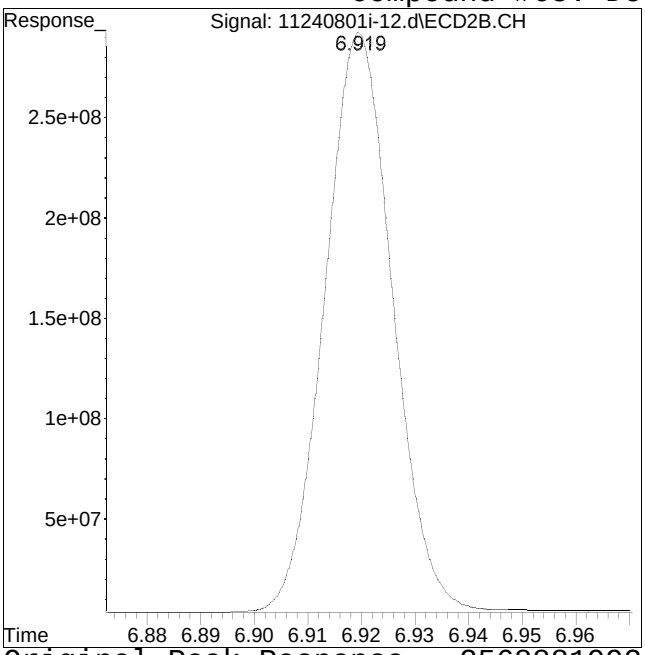


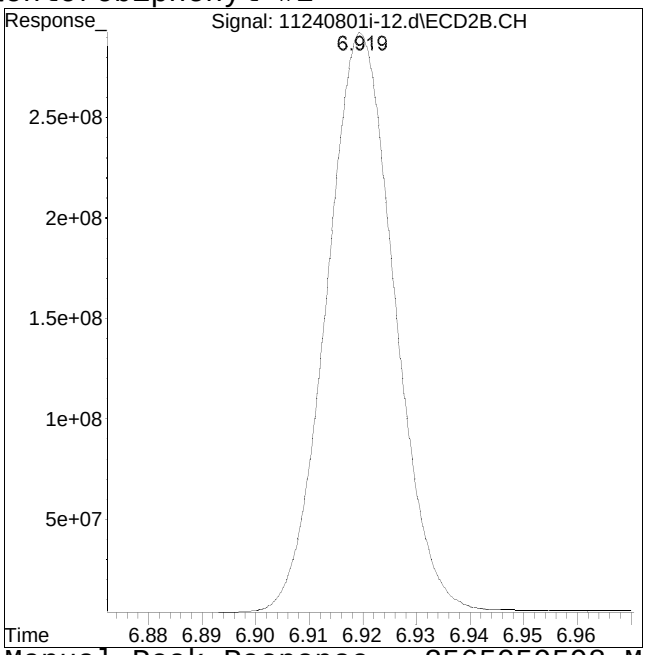
Original Peak Response = 3605865777 Manual Peak Response = 3542012965 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-12.d
Date Inj'd : 8/1/2024 20:25
Sample : il11pest,42e,,pp 11678 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 9:58 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 2568881992 Manual Peak Response = 2565059598 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	1.028	1.1	93	0.00
3	t	Hexachlorobenzene		1.406	1.322	6.0	93	0.00
4	t	alpha-BHC		1.461	1.501	-2.7	90	0.00
5	t	gamma-BHC (lindane)		1.395	1.357	2.7	88	0.00
6	t	beta-BHC		0.628	0.580	7.6	90	0.00
7	t	delta-BHC		1.374	1.334	2.9	85	0.00
8	t	Heptachlor		1.321	1.281	3.0	89	0.00
9	t	Aldrin		1.233	1.226	0.6	90	0.00
10	t	Alachlor		0.230	0.221	3.9	92	0.00
11	t	Chlorpyrifos		0.590	0.520	11.9	91	0.00
12	t	Heptachlor Epoxide		1.185	1.133	4.4	89	0.00
13	t	gamma-Chlordane (trans)		1.077	1.158	-7.5	101	0.00
14	t	alpha-Chlordane (cis)		1.216	1.146	5.8	88	0.00
15	t	4,4'-DDE		1.192	1.168	2.0	90	0.00
16	t	Endosulfan I		1.116	1.064	4.7	89	0.00
17	t	Dieldrin		1.135	1.204	-6.1	97	0.00
18	t	Endrin		1.153	1.120	2.9	88	0.00
19	t	4,4'-DDD		0.927	0.970	-4.6	96	0.00
20	t	Endosulfan II		1.052	1.055	-0.3	93	0.00
21	t	4,4'-DDT		1.058	1.044	1.3	91	0.00
22	t	Endrin Aldehyde		0.886	0.798	9.9	86	0.00
23	t	Methoxychlor		0.592	0.578	2.4	96	0.00
24	t	Mirex		0.938	0.888	5.3	95	0.00
25	t	Endosulfan Sulfate		1.010	0.981	2.9	93	0.00
26	t	Endrin Ketone		1.183	1.257	-6.3	99	0.00
27	s	Decachlorobiphenyl		1.163	1.085	6.7	99	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	97	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	1.042	6.5	91	0.00
3	t	Hexachlorobenzene		1.239	1.113	10.2	92	0.00
4	t	alpha-BHC		1.620	1.576	2.7	88	0.00
5	t	gamma-BHC (lindane)		1.539	1.407	8.6	87	0.00
6	t	beta-BHC	*	50.000	47.735	4.5	89	0.00
7	t	delta-BHC		1.523	1.383	9.2	85	0.00
8	t	Heptachlor		1.598	1.441	9.8	88	0.00
9	t	Aldrin		1.435	1.344	6.3	89	0.00
10	t	Alachlor	*	50.000	52.133	-4.3	92	0.00
11	t	Chlorpyrifos	*	50.000	49.655	0.7	89	0.00
12	t	Heptachlor Epoxide		1.425	1.243	12.8	87	0.00
13	t	gamma-Chlordane (trans)		1.312	1.296	1.2	100	0.00
14	t	alpha-Chlordane (cis)		1.446	1.265	12.5	88	0.00
15	t	4,4'-DDE		1.343	1.252	6.8	88	0.00
16	t	Endosulfan I		1.332	1.167	12.4	88	0.00
17	t	Dieldrin		1.327	1.319	0.6	96	0.00
18	t	Endrin		1.347	1.231	8.6	88	0.00
19	t	4,4'-DDD		1.084	1.070	1.3	94	0.00
20	t	Endosulfan II		1.214	1.119	7.8	92	0.00
21	t	4,4'-DDT		1.250	1.163	7.0	90	0.00
22	t	Endrin Aldehyde	*	50.000	45.377	9.2	85	0.00
23	t	Methoxychlor		0.704	0.626	11.1	94	0.00
24	t	Mirex	*	50.000	50.644	-1.3	94	0.00
25	t	Endosulfan Sulfate		1.199	1.078	10.1	92	0.00
26	t	Endrin Ketone		1.261	1.242	1.5	98	0.00
27	s	Decachlorobiphenyl		1.060	0.941	11.2	95	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample   : cicvpest,42e,,pp 11675 L0.05ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.31#
29	l1	chlordane-1	*	0.037	0.000	100.0#	0#	-2.45#
30	l1	chlordane-3	*	0.047	0.000	100.0#	0#	-2.87#
31	l1	chlordane-4	*	0.159	0.000	100.0#	0#	-3.42#
32	l1	chlordane-5	*	0.245	0.000	100.0#	0#	-3.55#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.31#
34	l2	toxaphene-2	*	0.050	0.000	100.0#	0#	-4.44#
35	l2	toxaphene-3	*	0.039	0.000	100.0#	0#	-4.57#
36	l2	toxaphene-4	*	0.042	0.000	100.0#	0#	-4.79#
37	l2	toxaphene-5	*	0.043	0.000	100.0#	0#	-5.17#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1	*	0.043	0.000	100.0#	0#	-2.82#
30	l1	chlordane-3	*	0.052	0.000	100.0#	0#	-3.42#
31	l1	chlordane-4	*	0.173	0.000	100.0#	0#	-4.10#
32	l1	chlordane-5	*	0.134	0.000	100.0#	0#	-4.28#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.08#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.11#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.43#
37	l2	toxaphene-5	*	0.042	0.000	100.0#	0#	-5.84#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.309	1.386	222.3E6	177.6E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.652	1.858	456.9E6	370.0E6	49.453M3	46.772M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		98.91%	93.54%
27) s	Decachlorobi	6.288	6.918	482.5E6	334.3E6	46.657M3	44.401M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		93.31%	88.80%
	Target Compounds						
3) t	Hexachlorobe	1.865	2.178	587.8E6	395.1E6	47.014M3	44.899M3
4) t	alpha-BHC	1.963	2.271	667.2E6	559.8E6	51.377M4	48.662M4
5) t	gamma-BHC (l	2.165	2.557	603.3E6	499.8E6	48.621M4	45.722M4
6) t	beta-BHC	2.221	2.623	257.8E6	214.1E6	46.189M4	47.735M3
7) t	delta-BHC	2.349	2.890	593.1E6	491.2E6	48.542M4	45.411
8) t	Heptachlor	2.513	2.953	569.5E6	511.7E6	48.485M4	45.092
9) t	Aldrin	2.756	3.272	545.1E6	477.4E6	49.714M3	46.842
10) t	Alachlor	2.876	3.153	98339329	67754072	48.033M4	52.133M4
11) t	Chlorpyrifos	2.968	3.506	231.0E6	247.0E6	44.053M3	49.655M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
12)	t	Heptachlor E	3.300	3.884	503.7E6	441.6E6	47.784M3	43.617M3
13)	t	gamma-Chlord	3.425	4.105	514.8E6	460.2E6	53.753M4	49.404M4
14)	t	alpha-Chlord	3.559	4.274	509.4E6	449.4E6	47.103M4	43.758
15)	t	4,4'-DDE	3.656	4.473	519.3E6	444.5E6	49.014M4	46.608M4
16)	t	Endosulfan I	3.695	4.336	473.1E6	414.6E6	47.669M3	43.821M4
17)	t	Dieldrin	3.954	4.627	535.4E6	468.3E6	53.047M4	49.677M3
18)	t	Endrin	4.210	4.926	497.7E6	437.0E6	48.558	45.687
19)	t	4,4'-DDD	4.322	5.049	431.2E6	379.8E6	52.297	49.344M4
20)	t	Endosulfan I	4.451	5.125	468.9E6	397.6E6	50.128	46.124M4
21)	t	4,4'-DDT	4.616	5.326	464.0E6	412.9E6	49.301	46.497M4
22)	t	Endrin Aldeh	4.868	5.421	355.0E6	301.1E6	45.037M4	45.377M3
23)	t	Methoxychlor	5.104	5.890	256.9E6	222.3E6	48.807M4	44.431M3
24)	t	Mirex	5.160	6.023	394.7E6	325.6E6	47.337M3	50.644M4
25)	t	Endosulfan S	5.260	5.649	436.2E6	382.7E6	48.586M3	44.940M4
26)	t	Endrin Keton	5.486	6.060	558.9E6	441.2E6	53.123M4	49.265M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

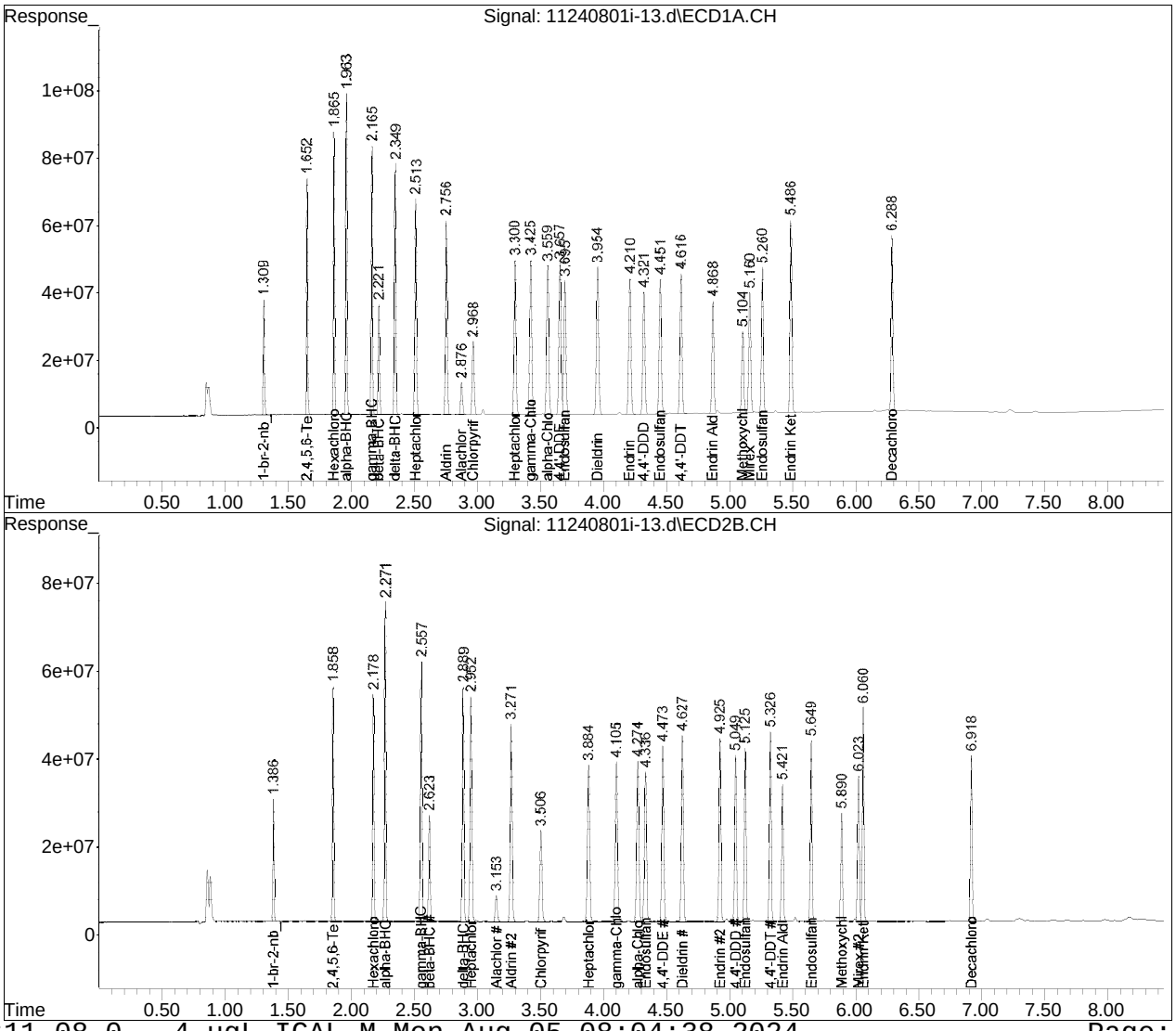
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:36
Operator : PEST11:ejl
Sample : cicvpest,42e,,pp 11675 L0.05ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:49:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:49:27 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

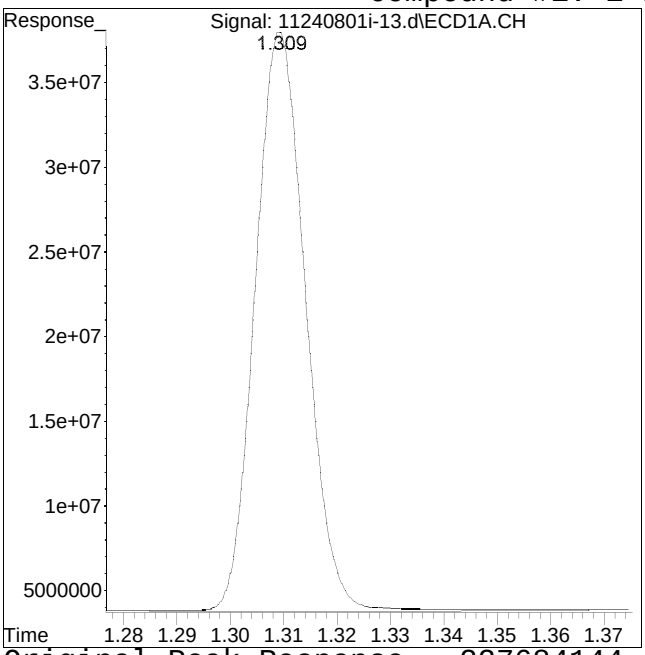


Manual Integration Report

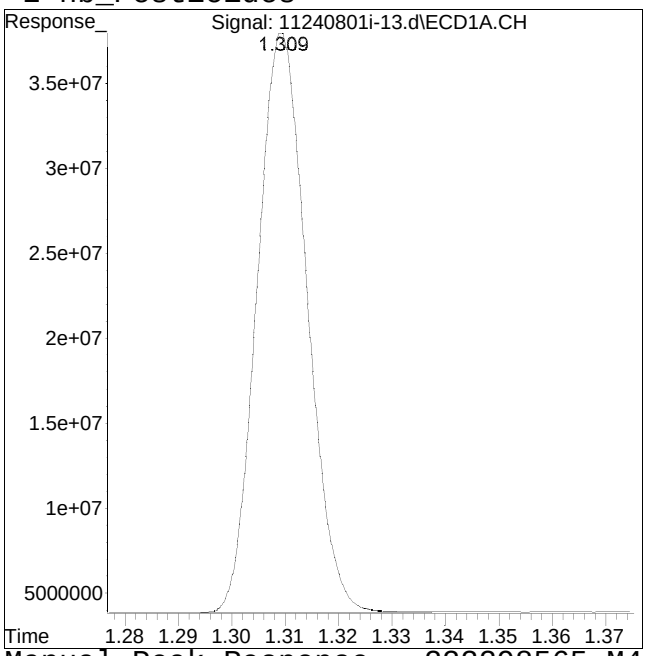
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 227684144



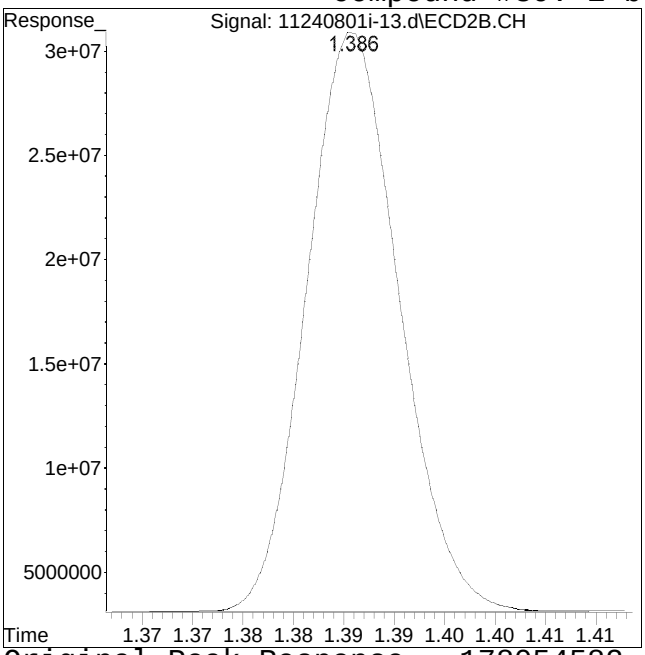
Manual Peak Response = 222298565 M4

M4 = Poor automated baseline construction.

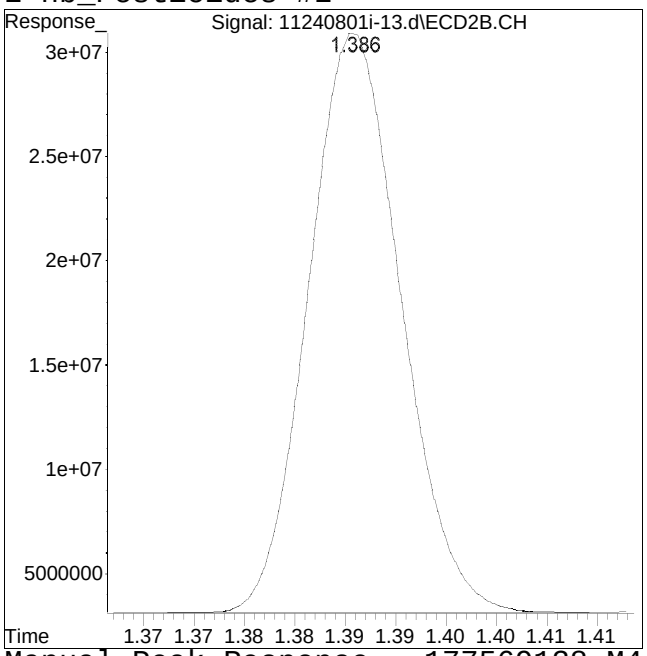
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 178054582



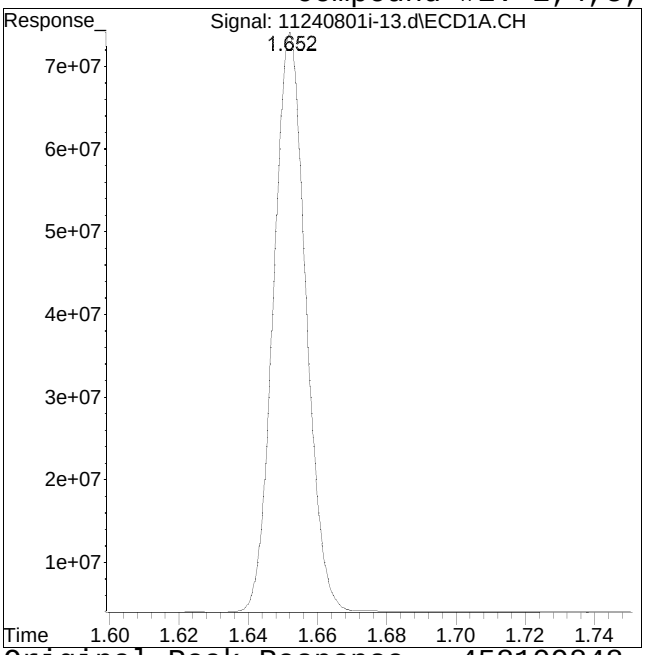
Manual Peak Response = 177569138 M4

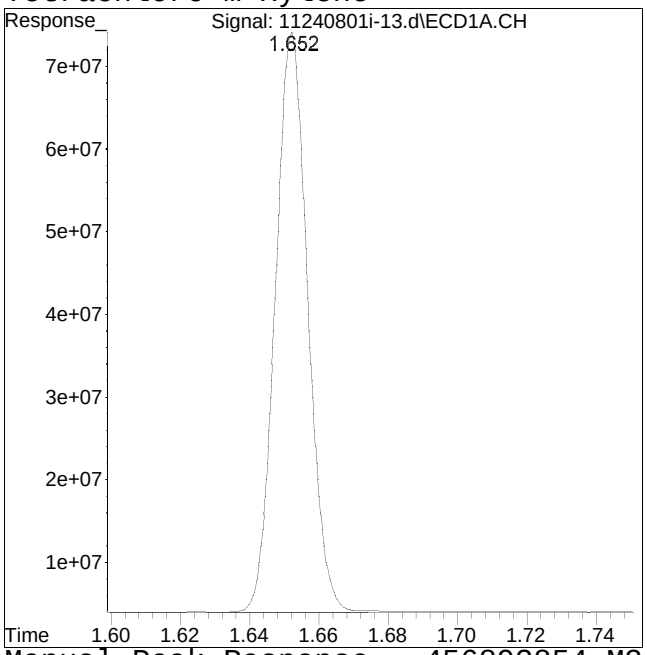
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene





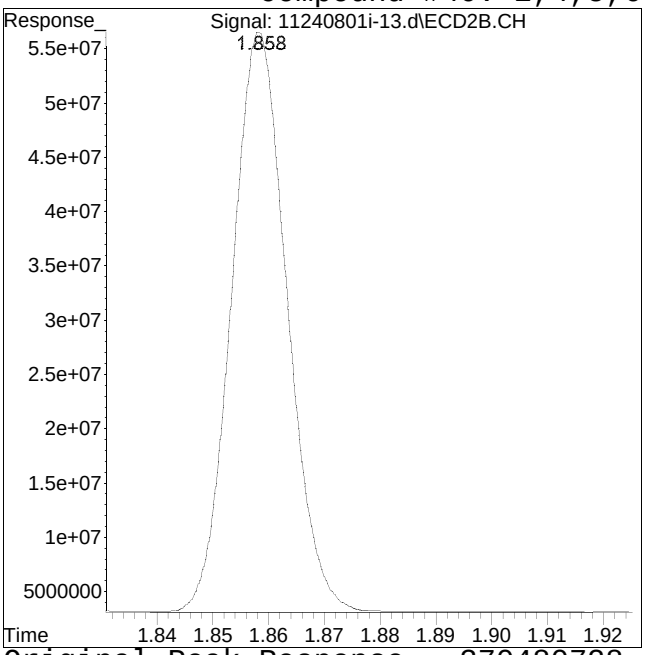
Original Peak Response = 458109848 Manual Peak Response = 456893854 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

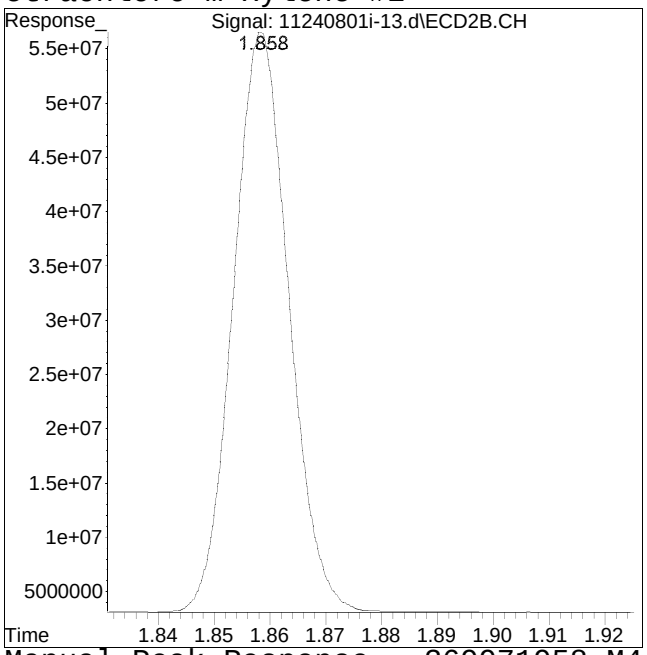
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 370480728



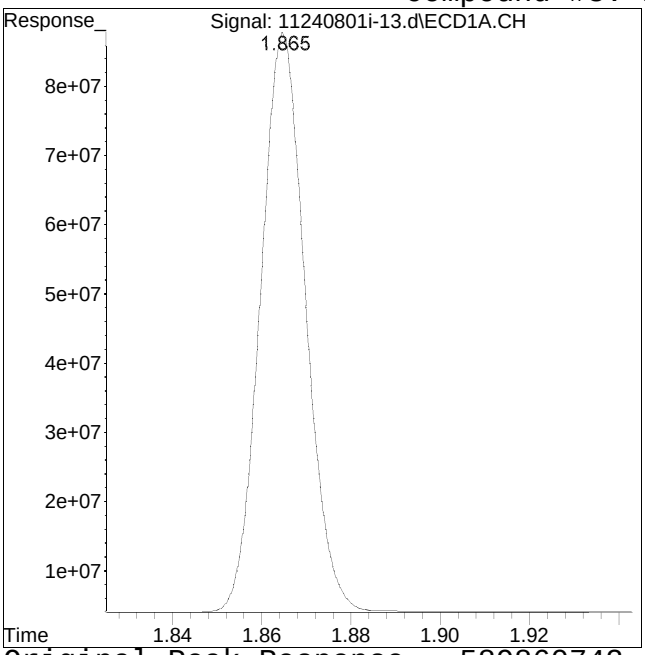
Manual Peak Response = 369971958 M4

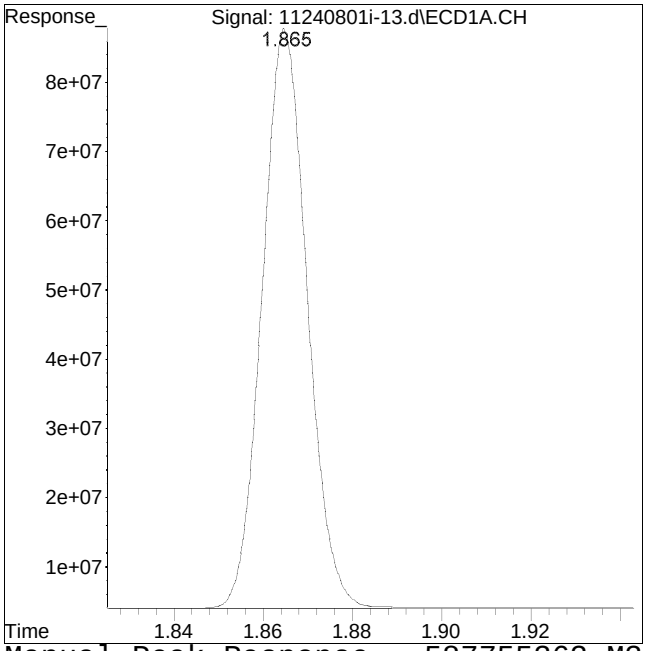
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #3: Hexachlorobenzene





Original Peak Response = 589860742 Manual Peak Response = 587755363 M3

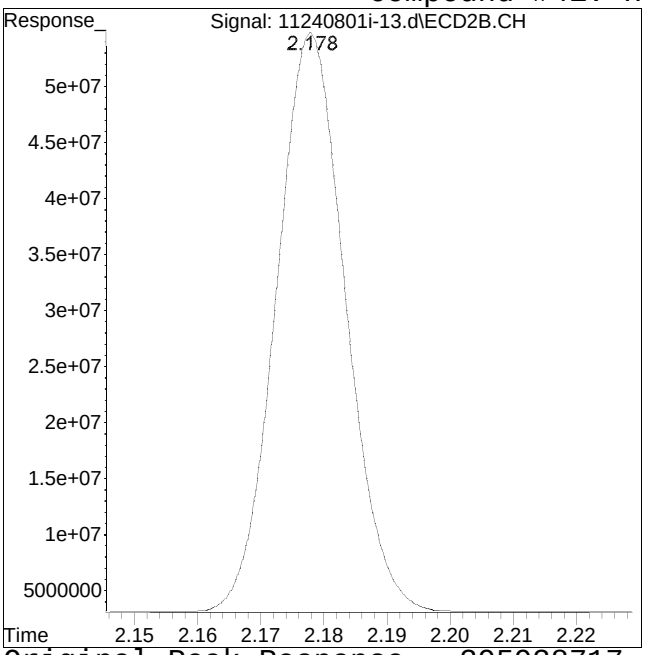
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

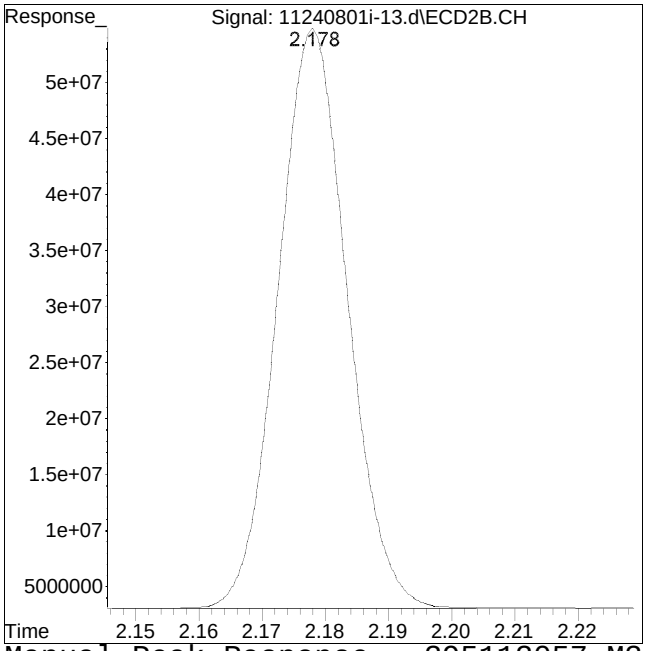
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #41: Hexachlorobenzene #2





Original Peak Response = 395938717 Manual Peak Response = 395113057 M3

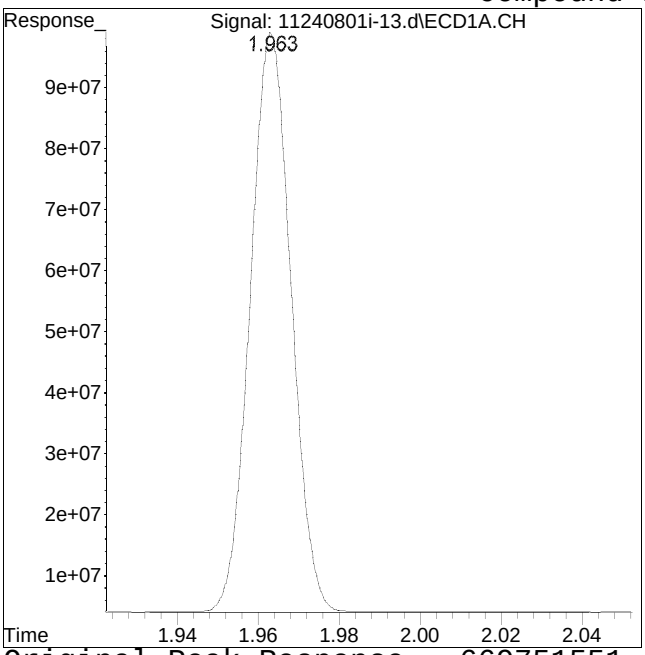
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

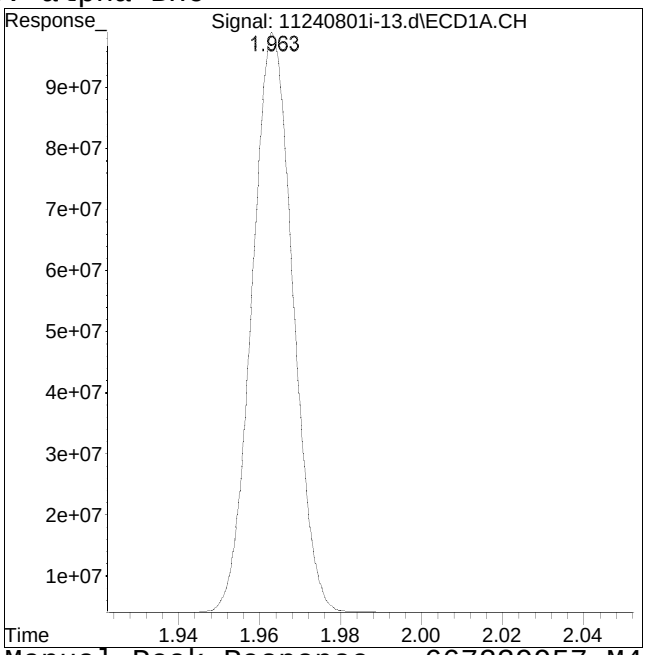
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #4: alpha-BHC



Original Peak Response = 669751551



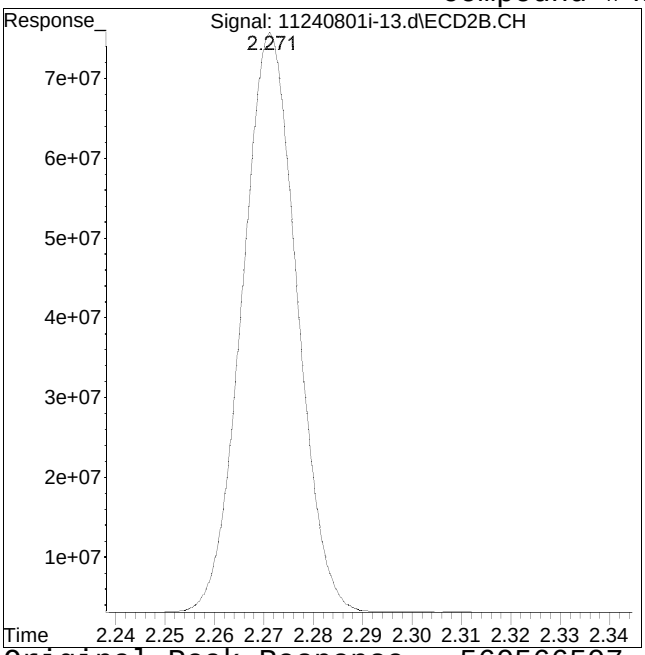
Manual Peak Response = 667239957 M4

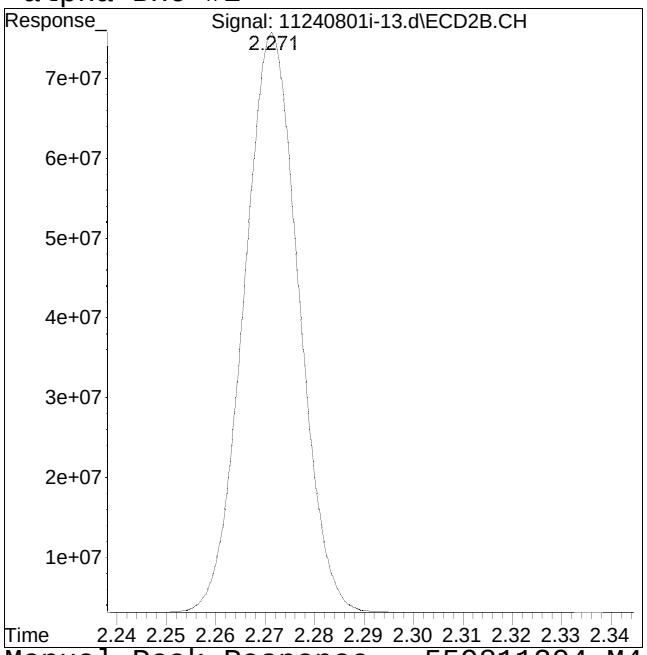
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #42: alpha-BHC #2



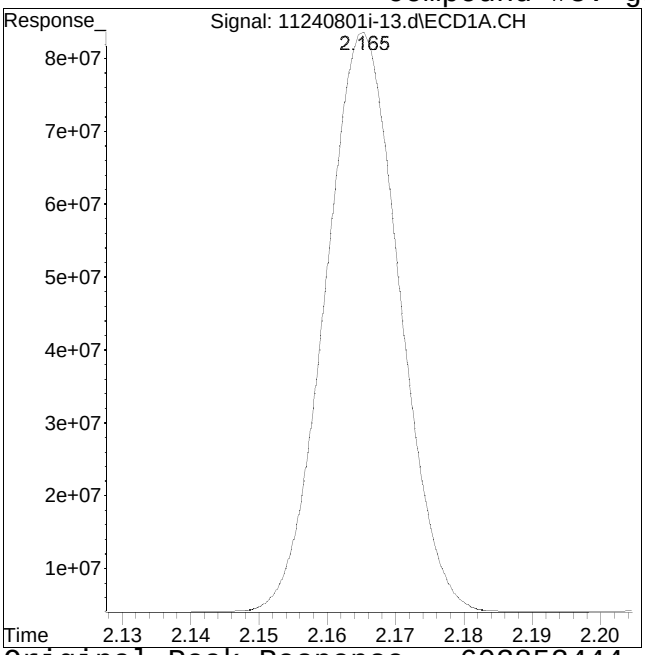


Original Peak Response = 560566507 Manual Peak Response = 559811204 M4
M4 = Poor automated baseline construction.

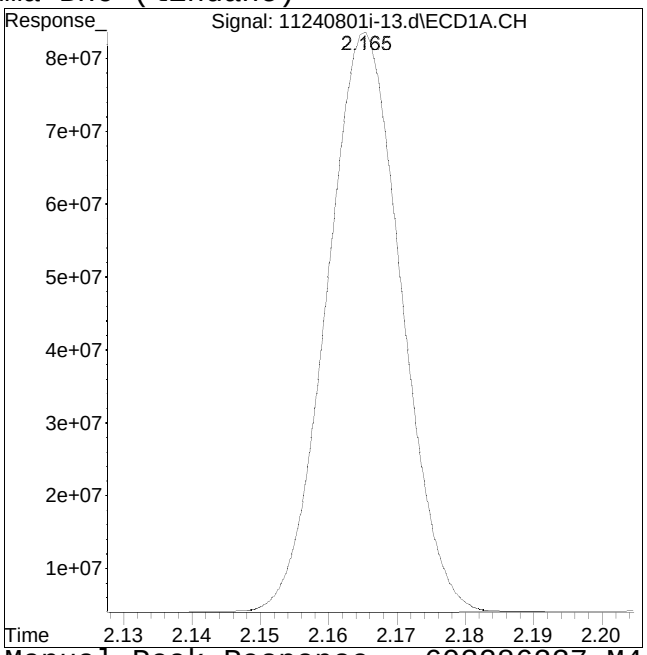
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #5: gamma-BHC (lindane)



Original Peak Response = 603852444

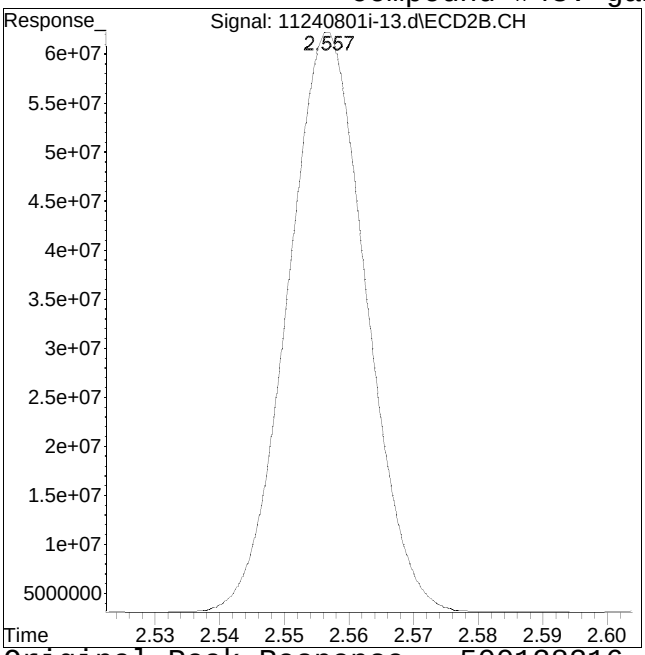


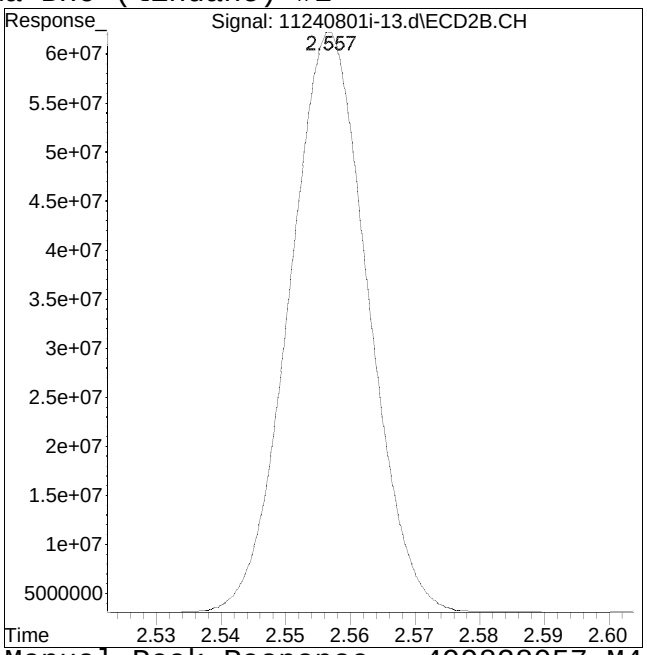
Manual Peak Response = 603286337 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #43: gamma-BHC (lindane) #2



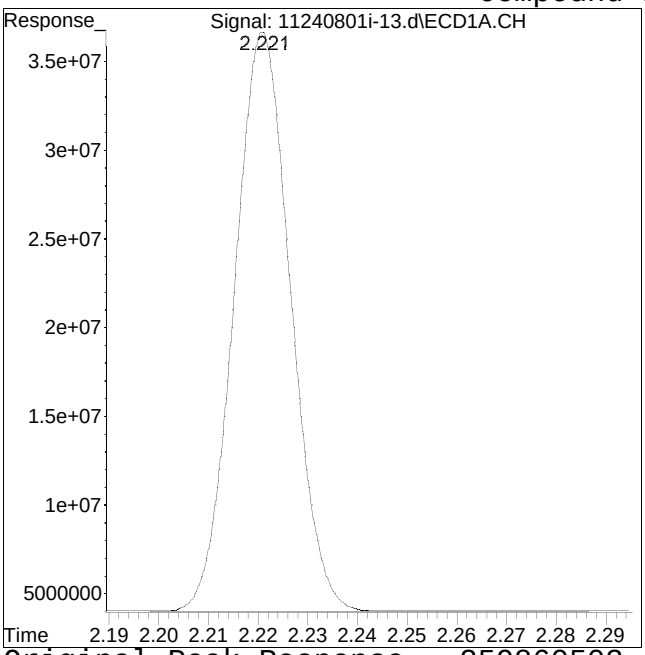


Original Peak Response = 500138316 Manual Peak Response = 499828057 M4
M4 = Poor automated baseline construction.

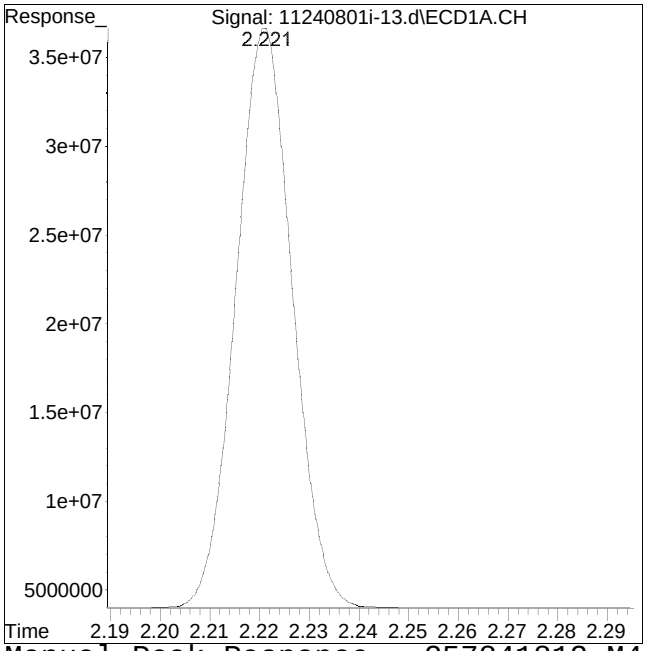
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #6: beta-BHC



Original Peak Response = 259860503



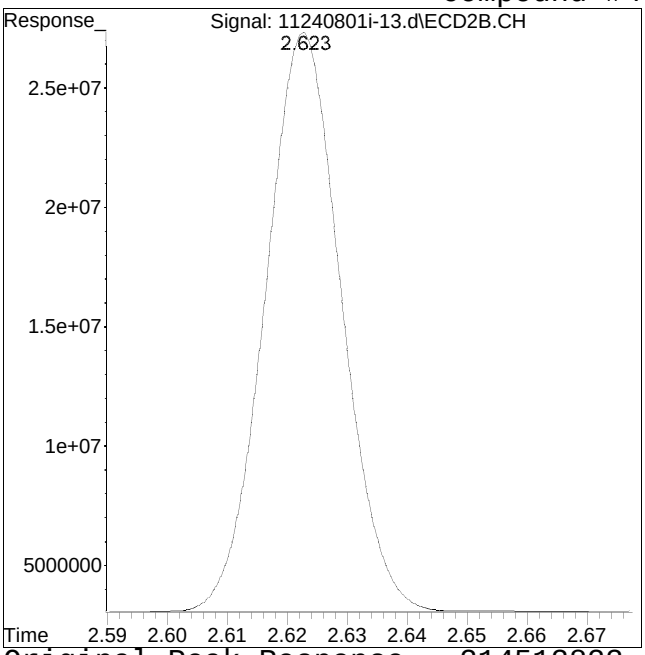
Manual Peak Response = 257841812 M4

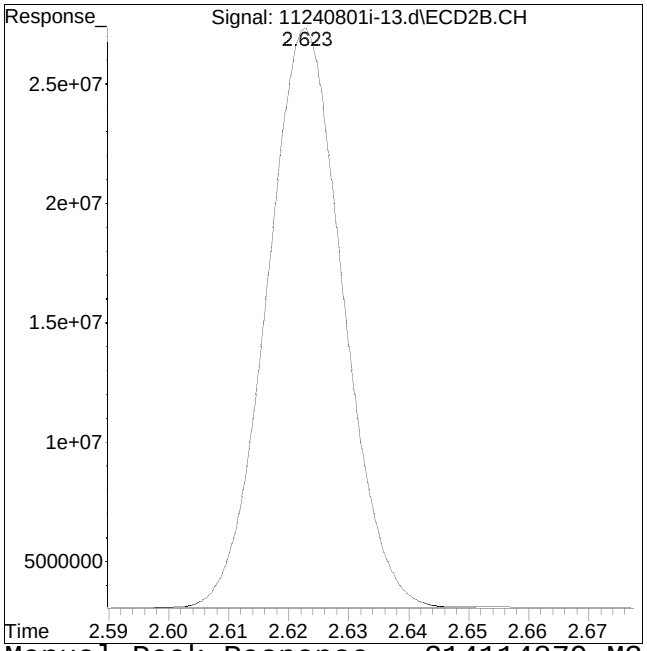
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #44: beta-BHC #2



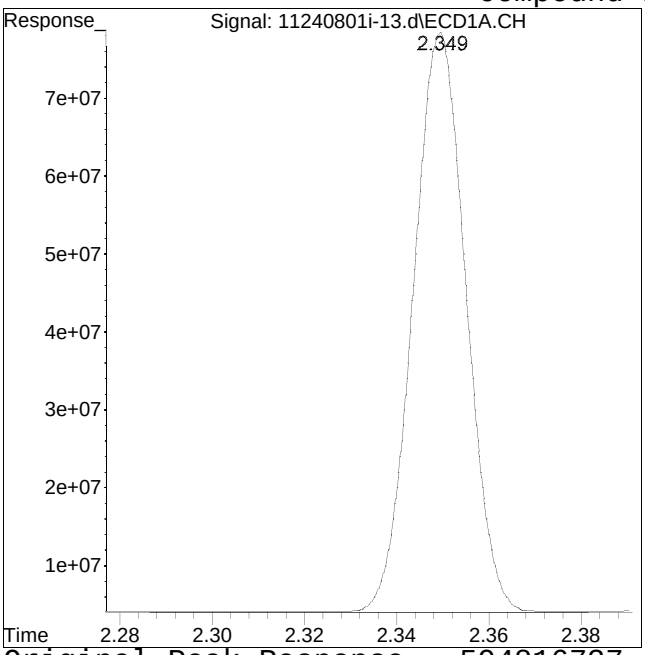


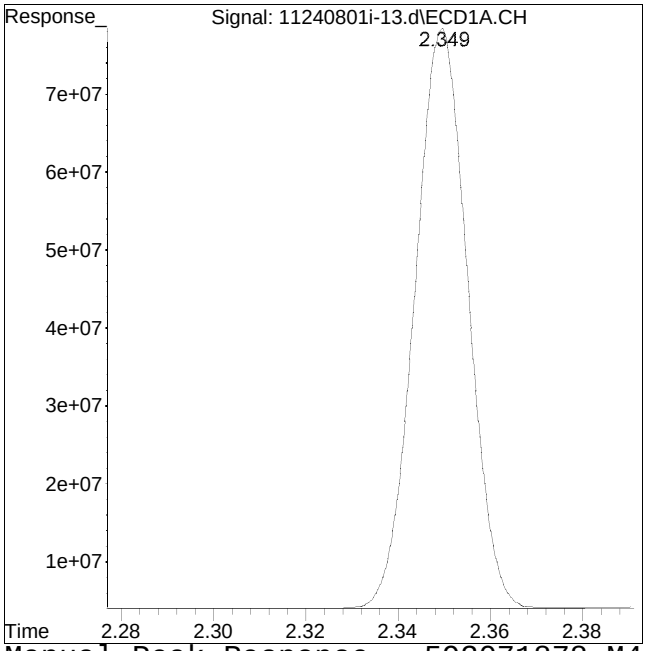
Original Peak Response = 214512823 Manual Peak Response = 214114879 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #7: delta-BHC





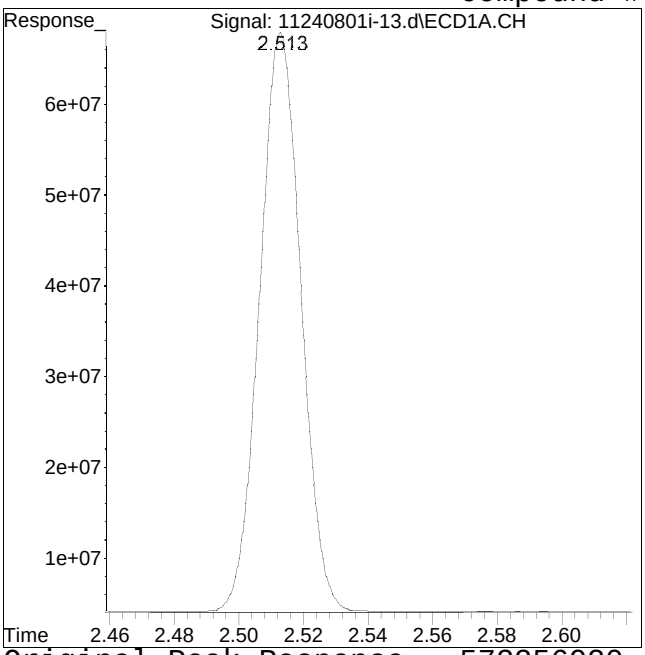
Original Peak Response = 594816737 Manual Peak Response = 593071878 M4
M4 = Poor automated baseline construction.

Manual Integration Report

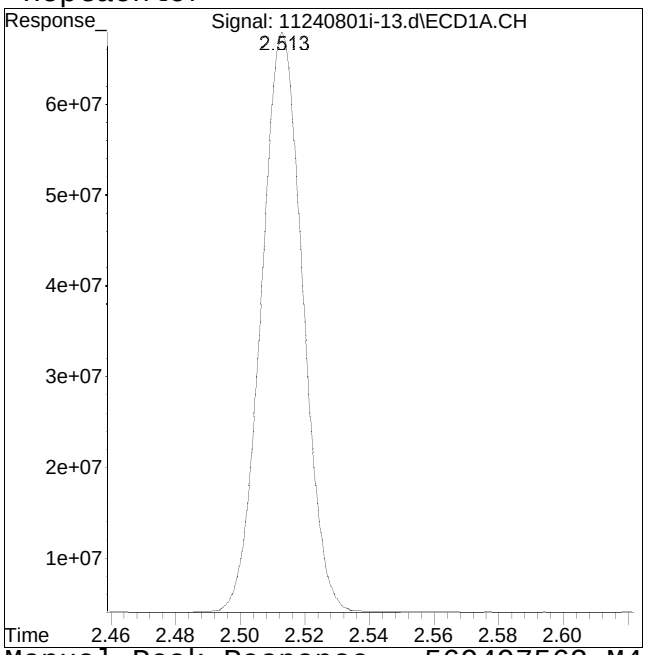
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #8: Heptachlor



Original Peak Response = 572256920



Manual Peak Response = 569497562 M4

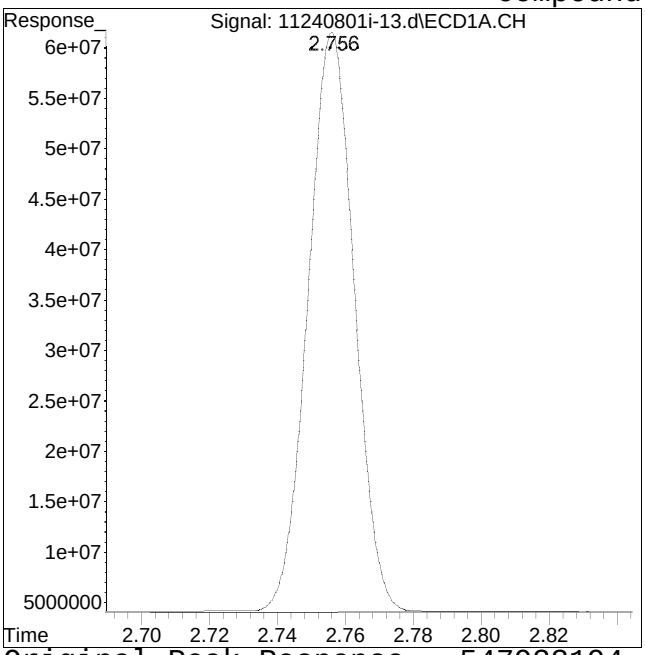
M4 = Poor automated baseline construction.

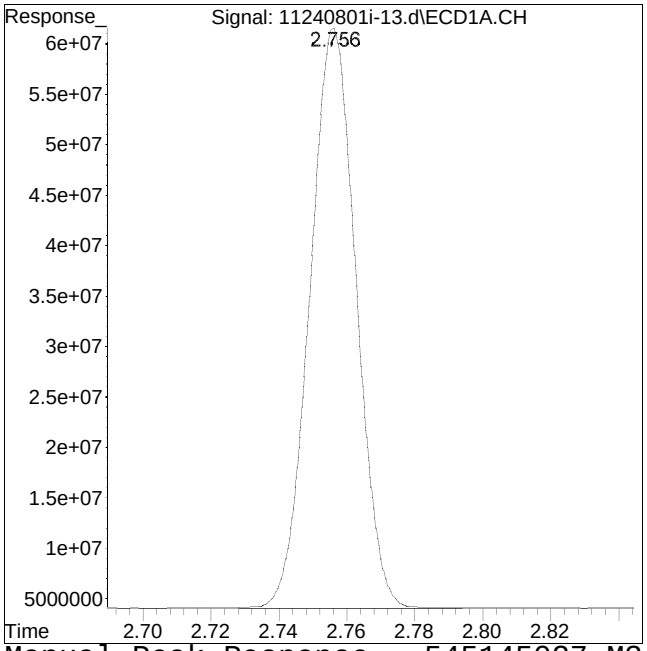
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #9: Aldrin





Original Peak Response = 547933194 Manual Peak Response = 545145027 M3

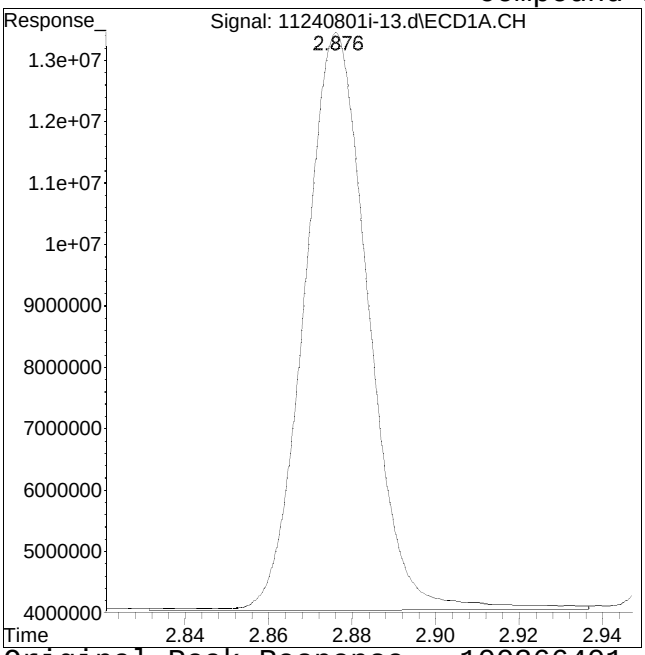
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

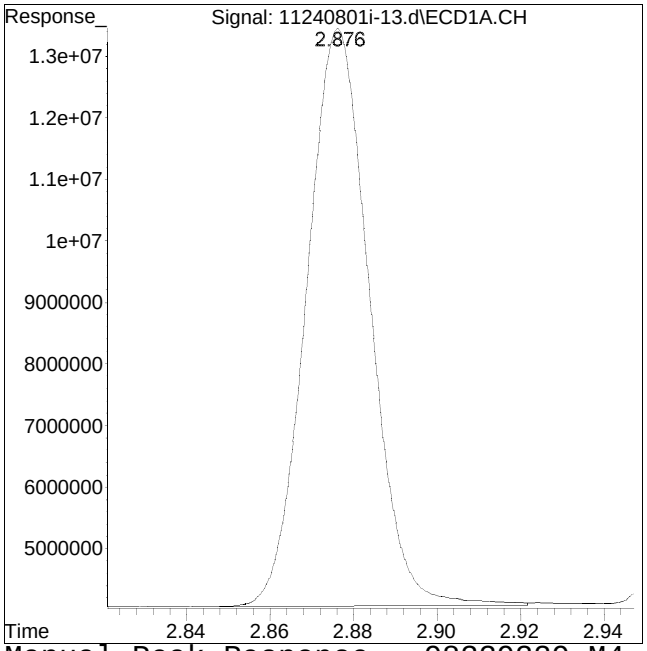
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #10: Alachlor





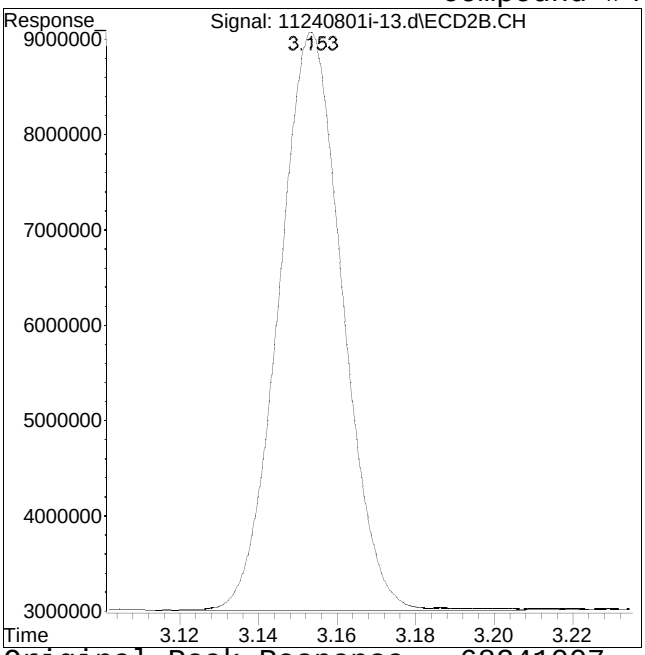
Original Peak Response = 100366401 Manual Peak Response = 98339329 M4
M4 = Poor automated baseline construction.

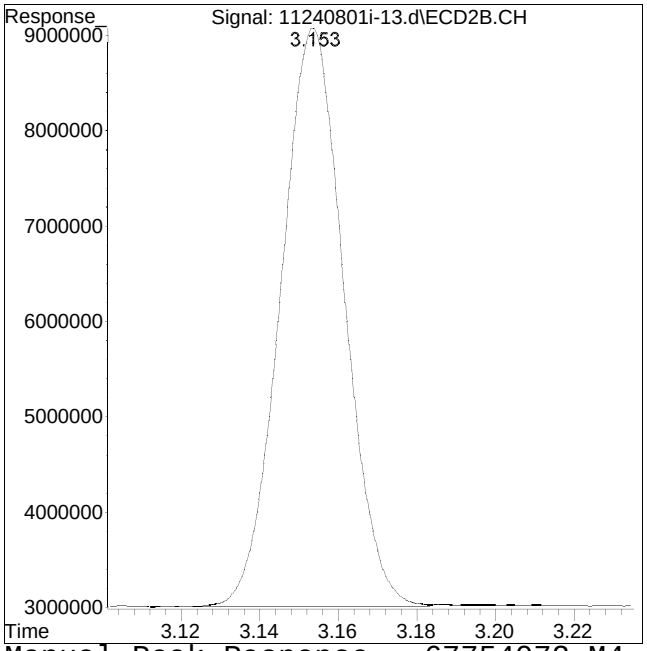
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #48: Alachlor #2



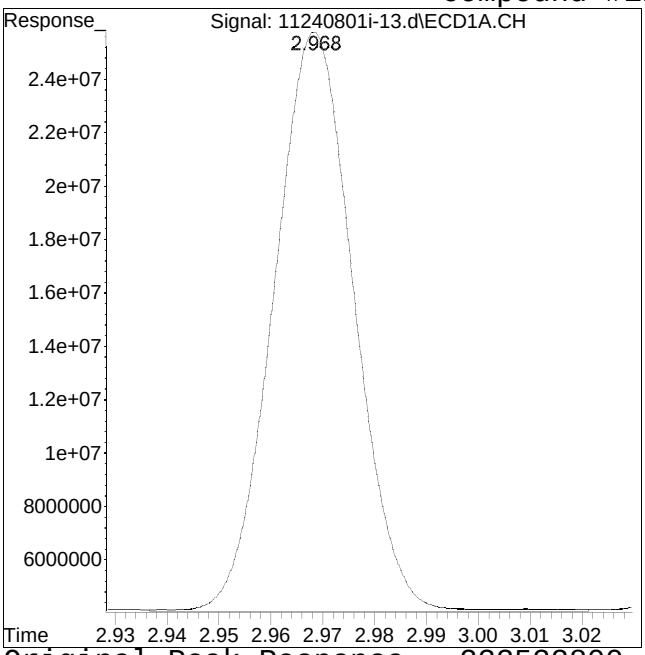


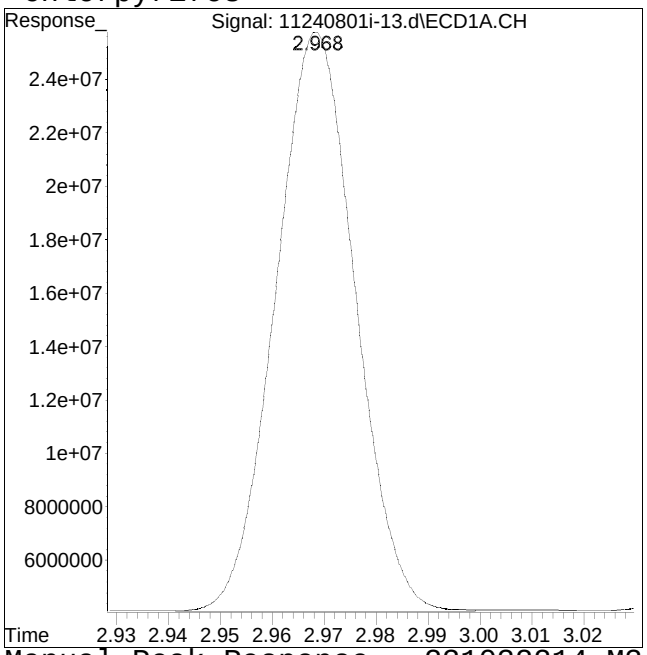
Original Peak Response = 68241007 Manual Peak Response = 67754072 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #11: Chlorpyrifos





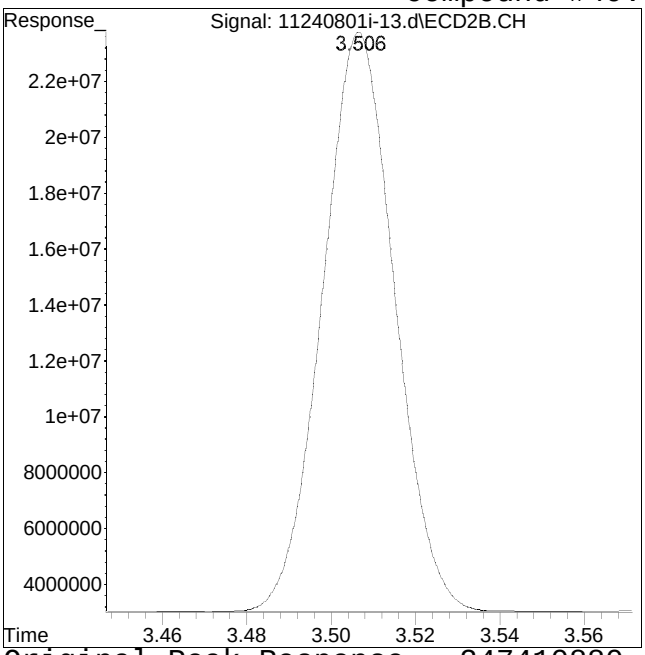
Original Peak Response = 233532800 Manual Peak Response = 231032214 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

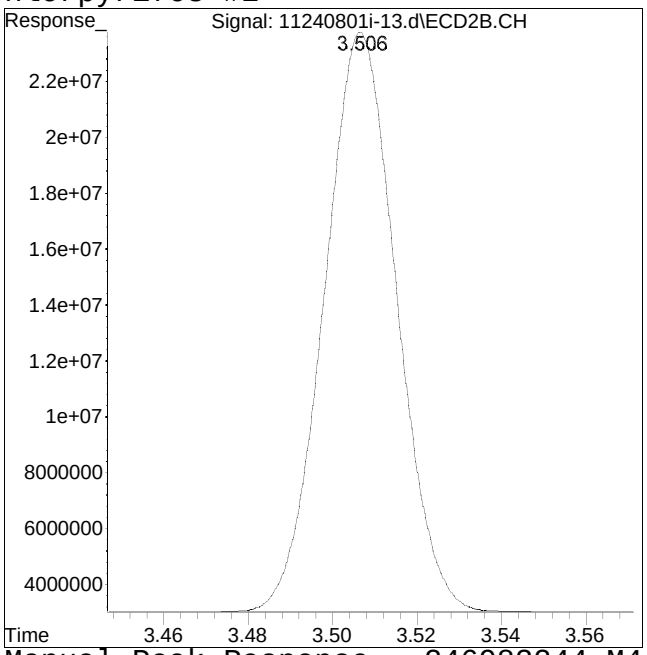
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #49: Chlorpyrifos #2



Original Peak Response = 247410880



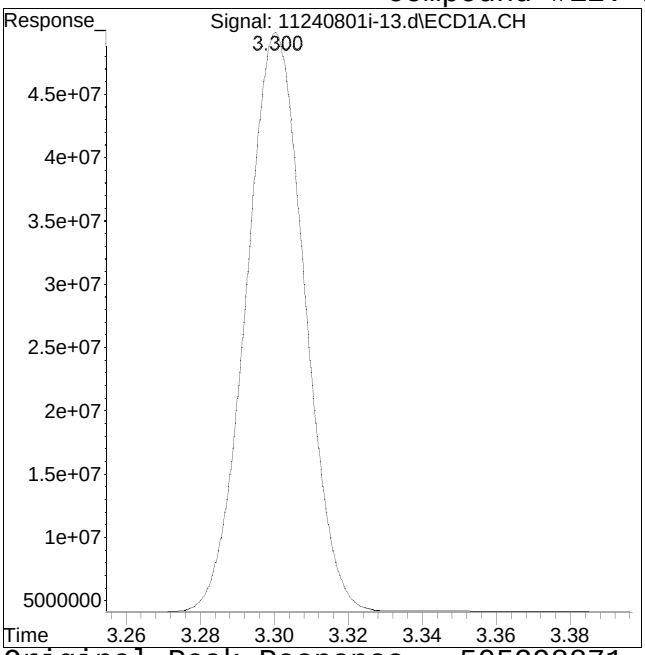
Manual Peak Response = 246983244 M4

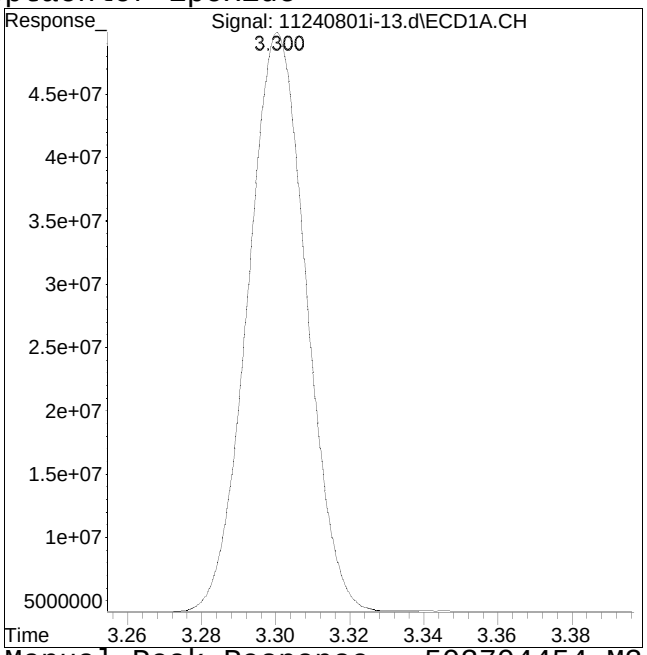
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #12: Heptachlor Epoxide





Original Peak Response = 505298871 Manual Peak Response = 503704454 M3

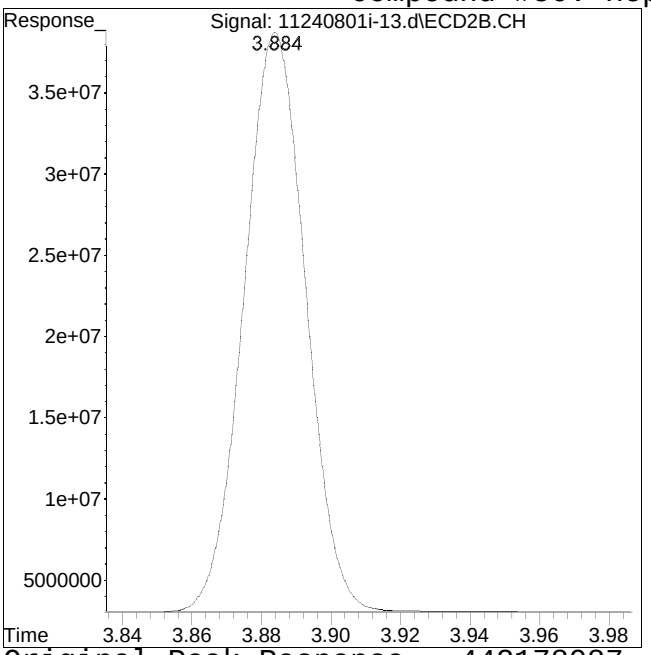
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

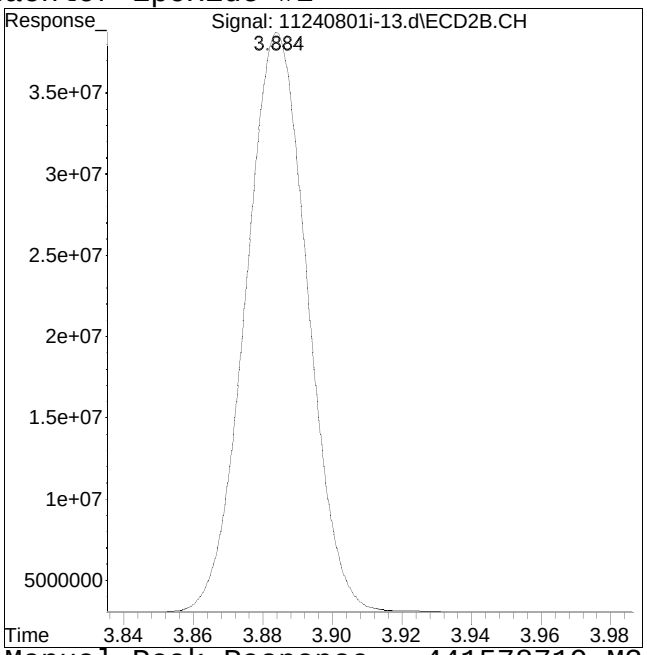
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #50: Heptachlor Epoxide #2





Original Peak Response = 442178987 Manual Peak Response = 441578719 M3

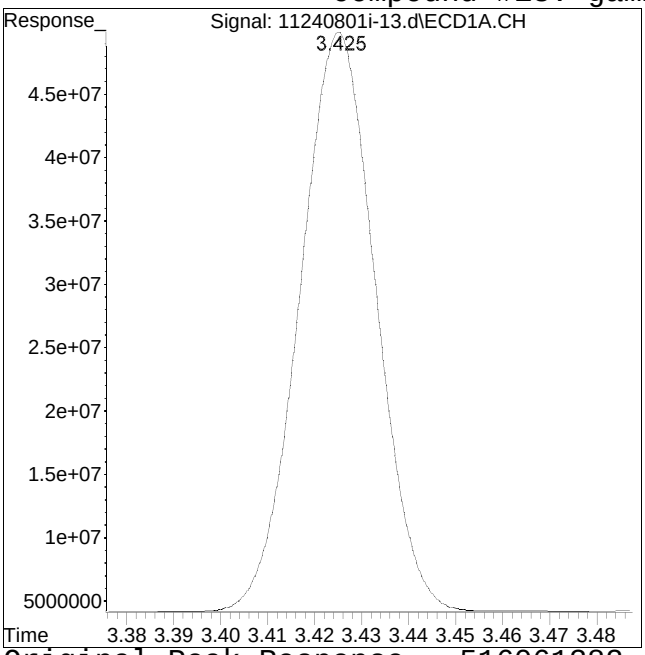
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

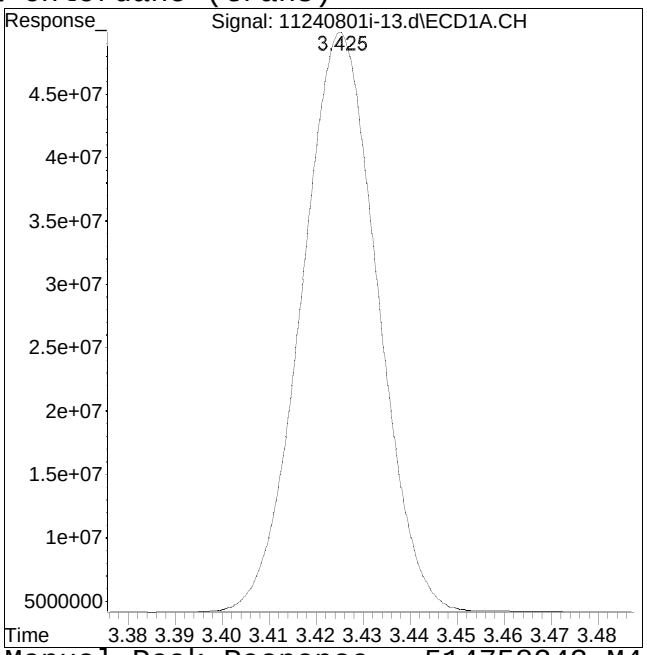
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #13: gamma-Chlordane (trans)





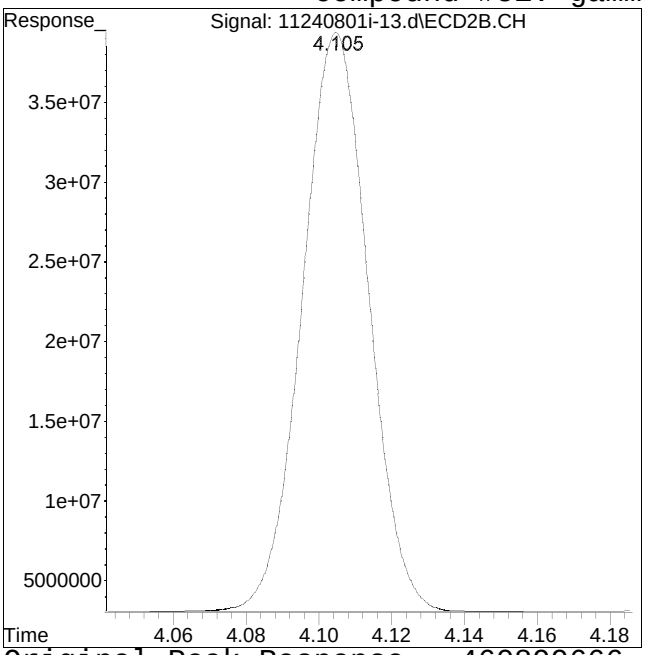
Original Peak Response = 516061382 Manual Peak Response = 514758243 M4
M4 = Poor automated baseline construction.

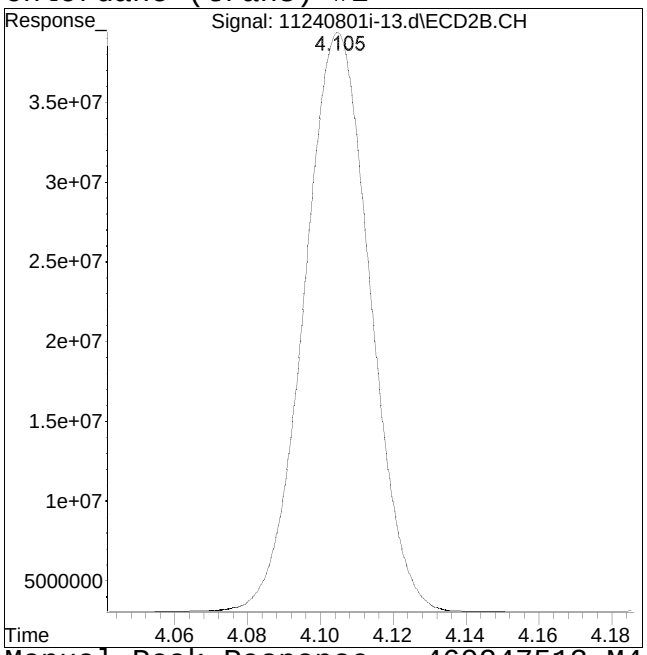
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #51: gamma-Chlordane (trans) #2





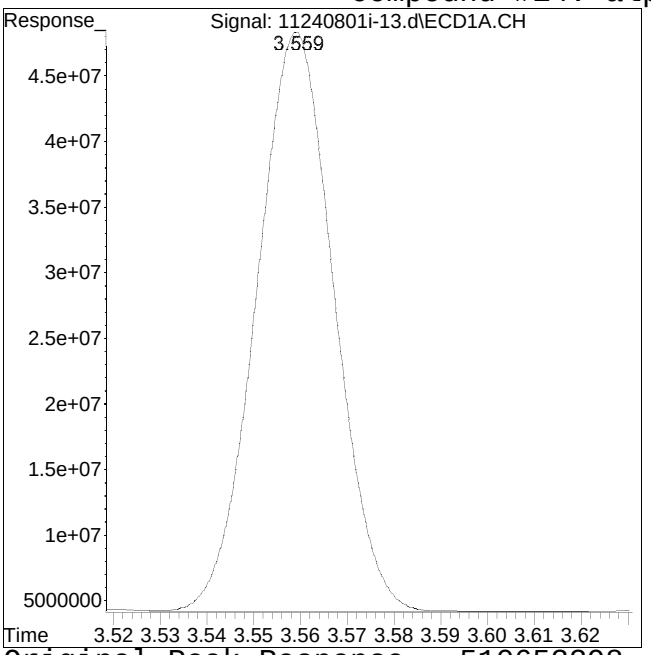
Original Peak Response = 460899666 Manual Peak Response = 460247513 M4
M4 = Poor automated baseline construction.

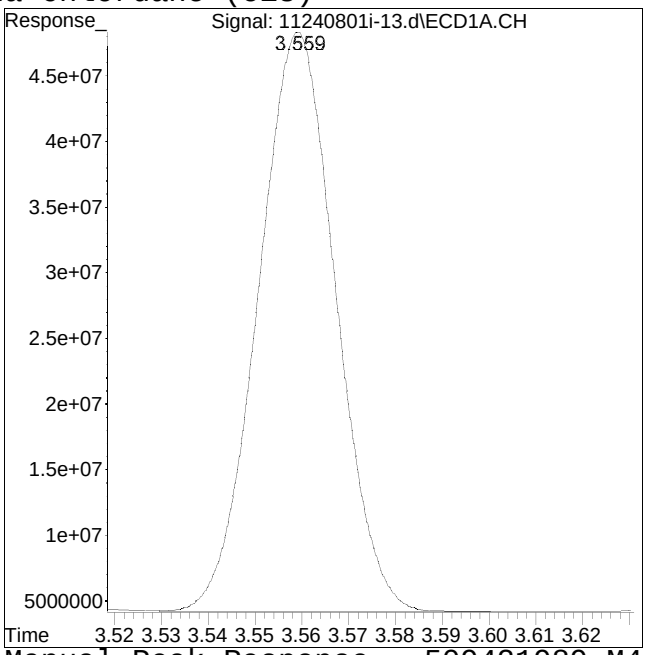
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #14: alpha-Chlordane (cis)



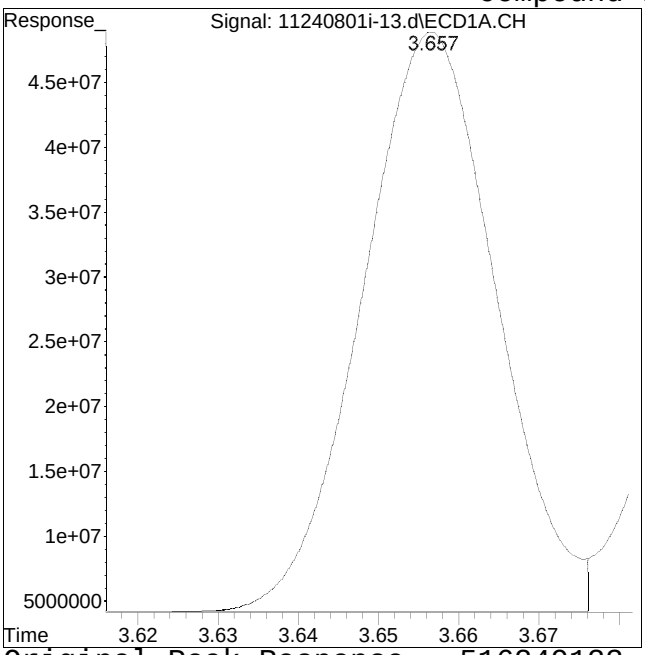


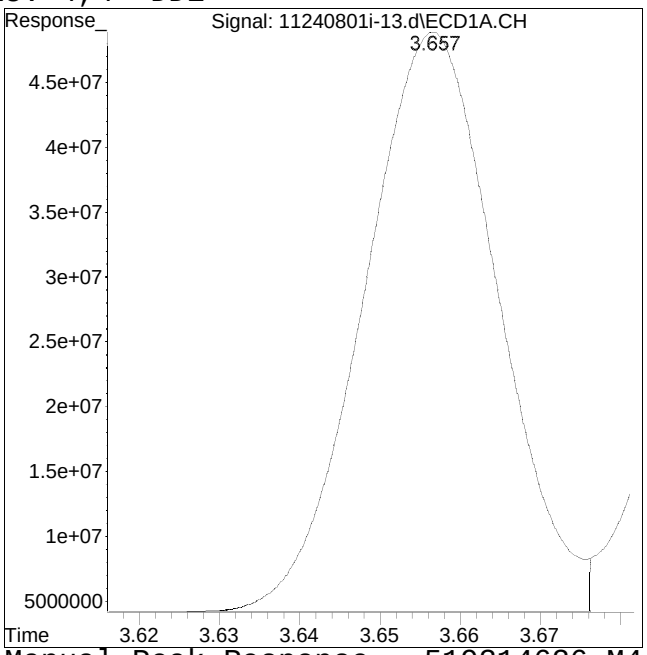
Original Peak Response = 510653398 Manual Peak Response = 509421989 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #15: 4,4'-DDE



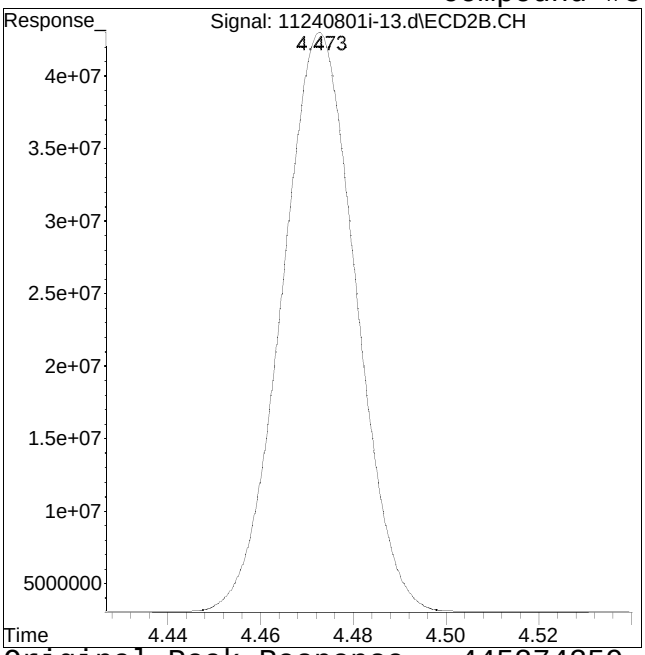


Original Peak Response = 516249123 Manual Peak Response = 519314626 M4
M4 = Poor automated baseline construction.

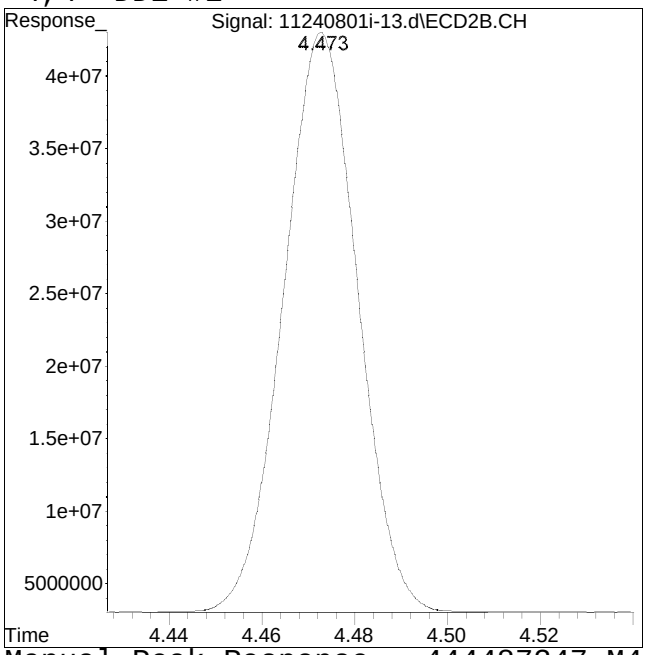
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 445274359



Manual Peak Response = 444487347 M4

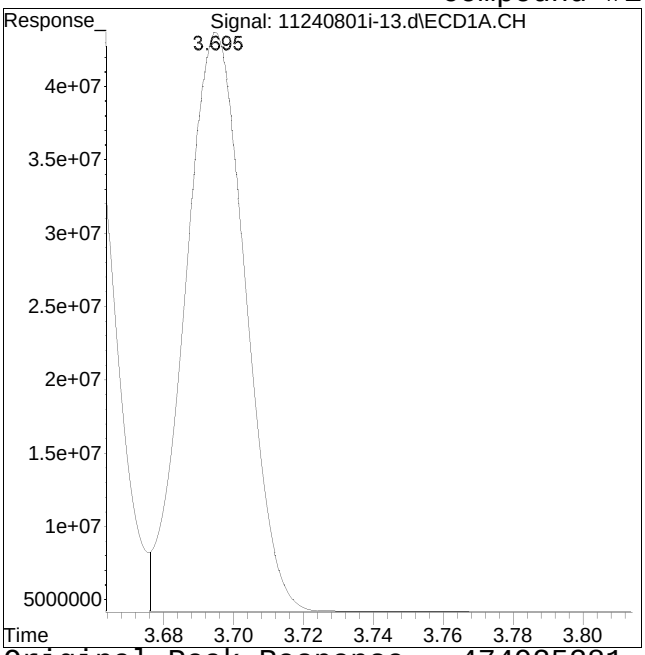
M4 = Poor automated baseline construction.

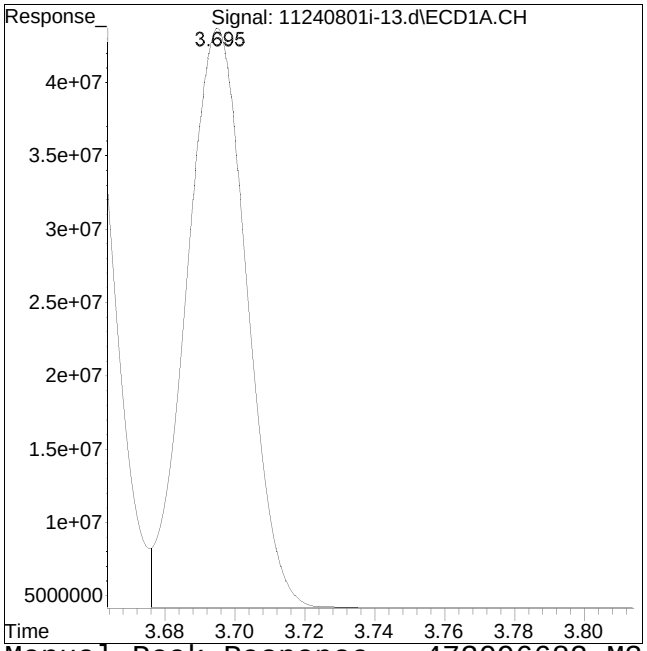
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #16: Endosulfan I





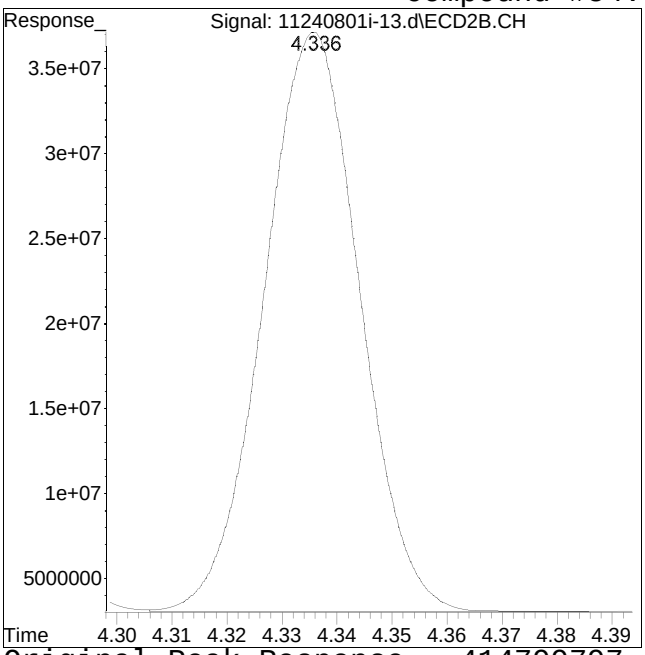
Original Peak Response = 474925381 Manual Peak Response = 473096682 M3

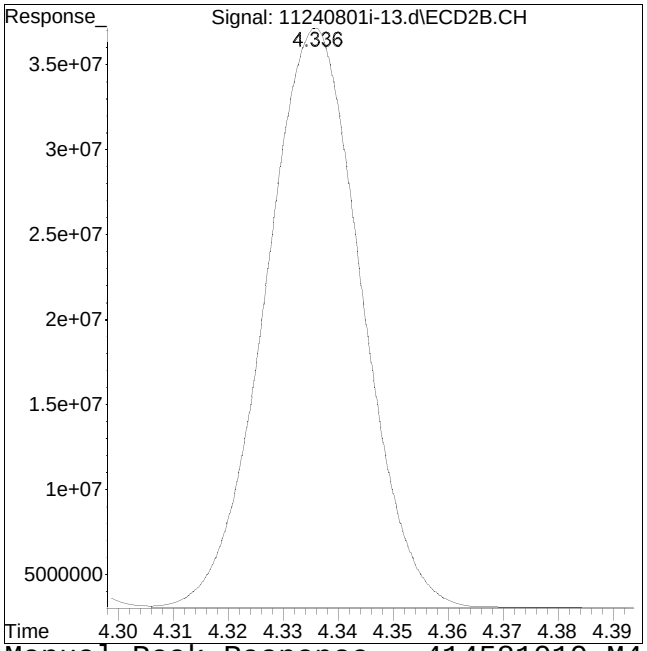
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #54: Endosulfan I #2





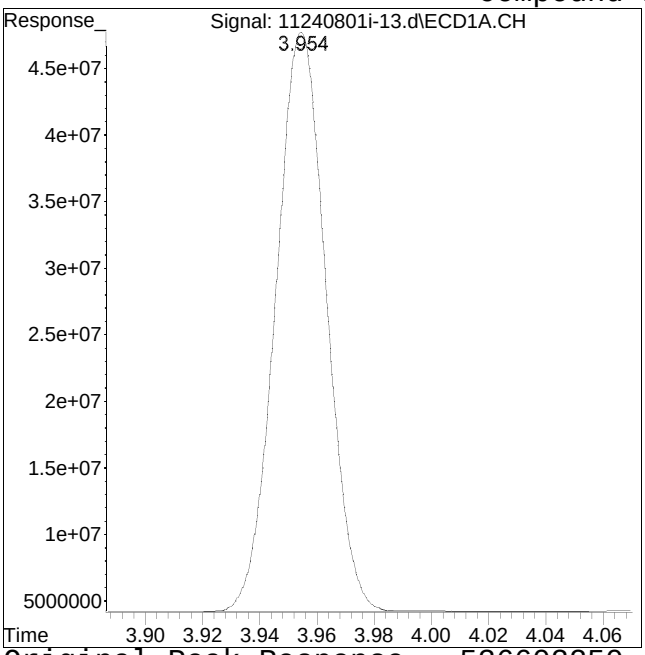
Original Peak Response = 414799797 Manual Peak Response = 414581010 M4
M4 = Poor automated baseline construction.

Manual Integration Report

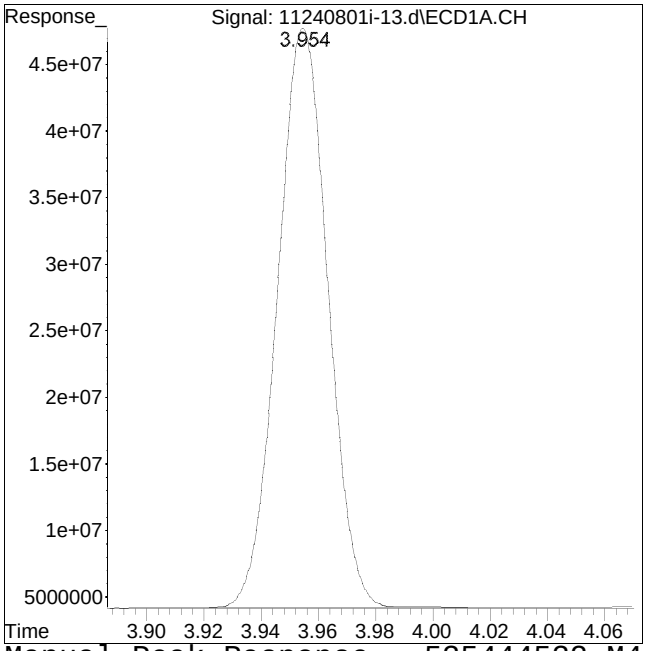
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #17: Dieldrin



Original Peak Response = 536602250



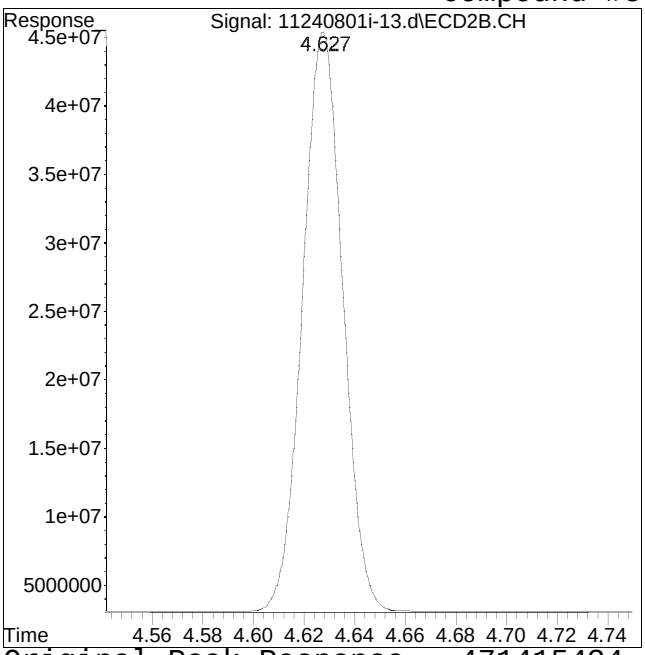
Manual Peak Response = 535444532 M4

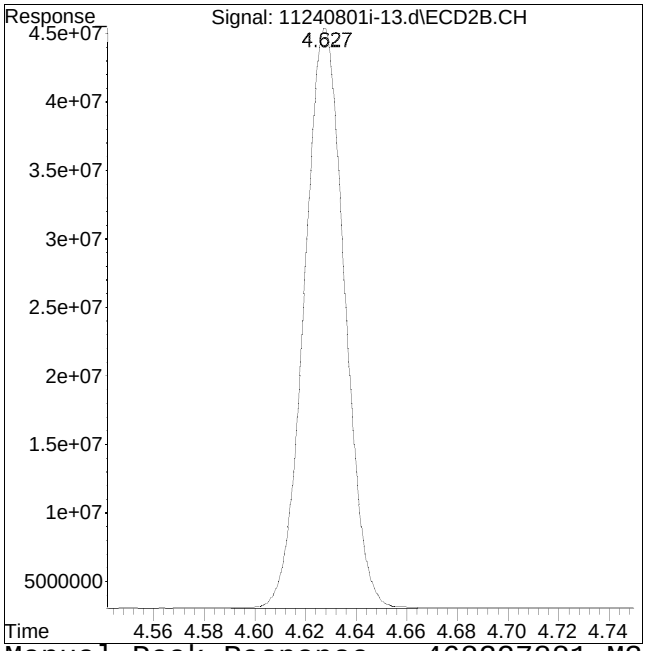
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #55: Dieldrin #2





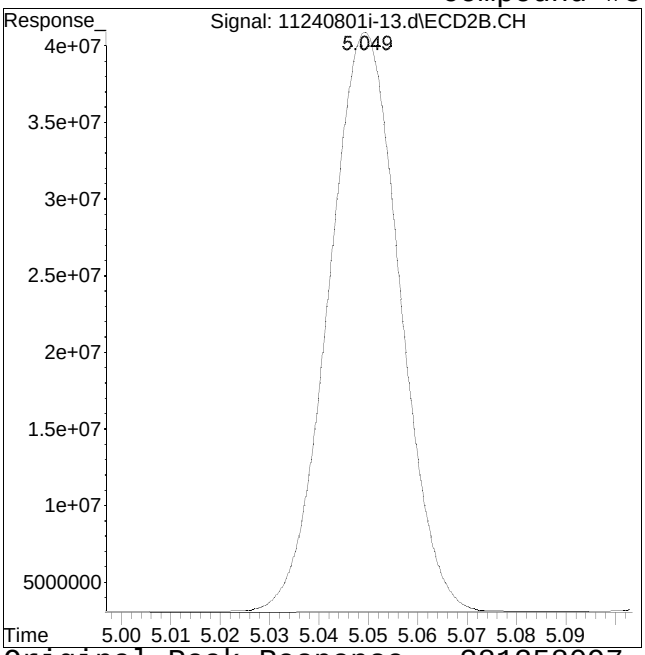
Original Peak Response = 471415434 Manual Peak Response = 468327881 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

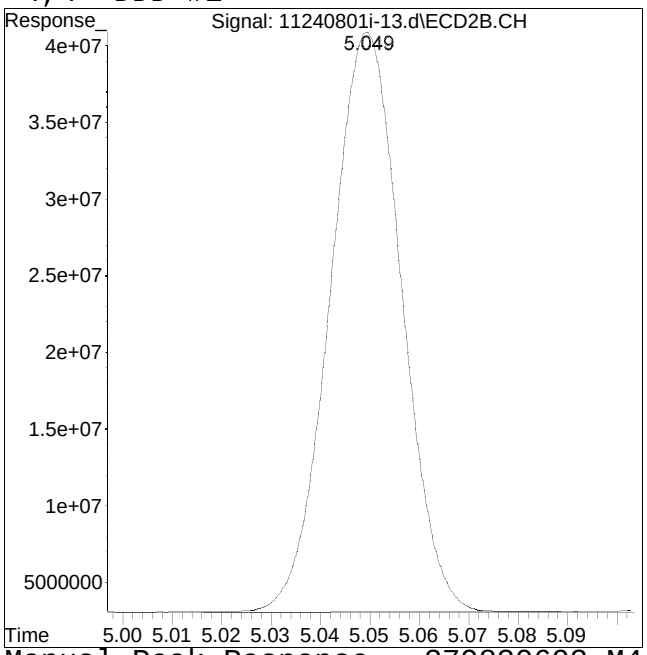
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 381358097



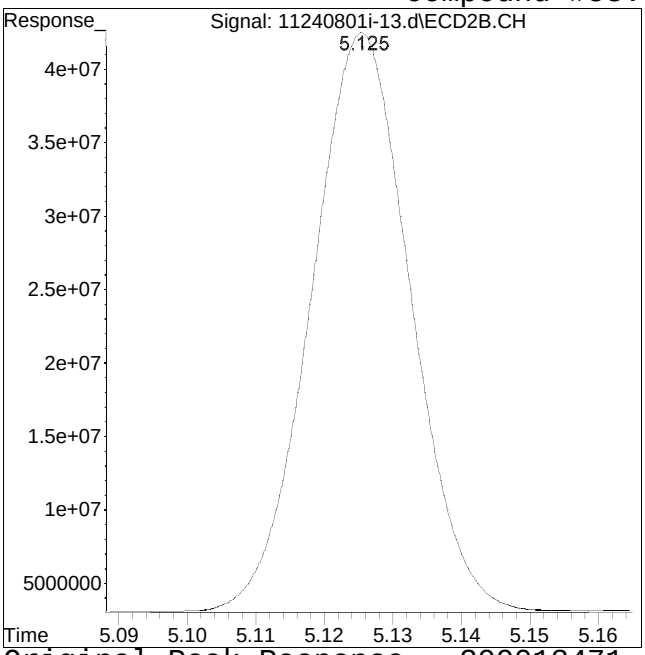
Manual Peak Response = 379830693 M4

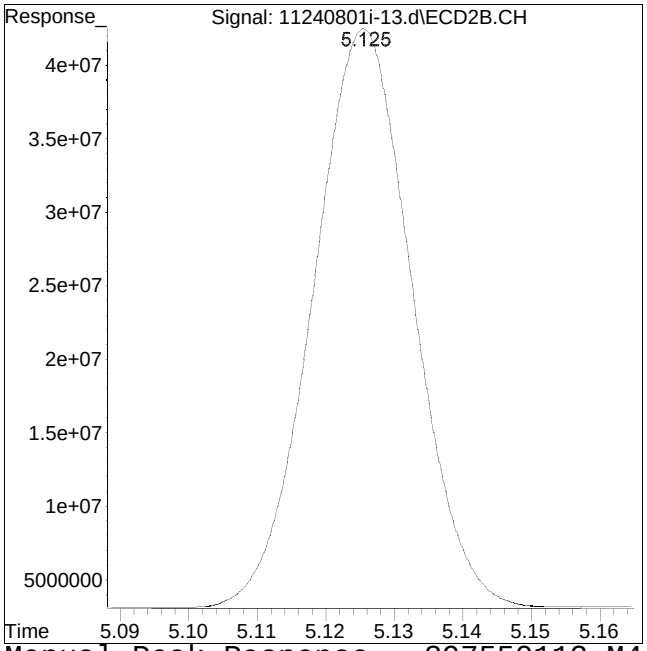
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #58: Endosulfan II #2





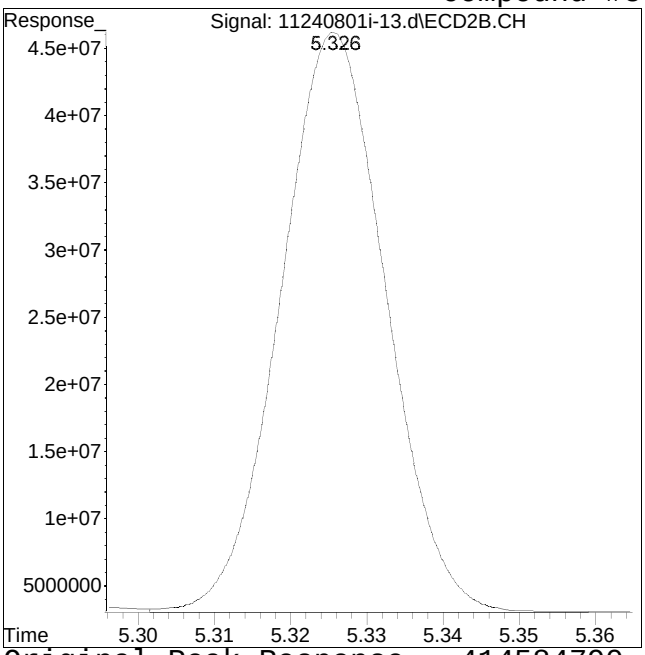
Original Peak Response = 399013471 Manual Peak Response = 397550112 M4
M4 = Poor automated baseline construction.

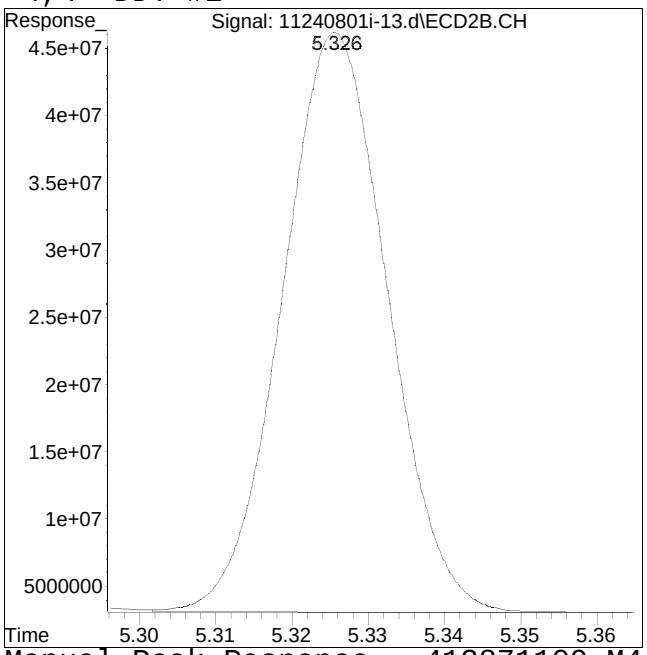
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #59: 4,4'-DDT #2





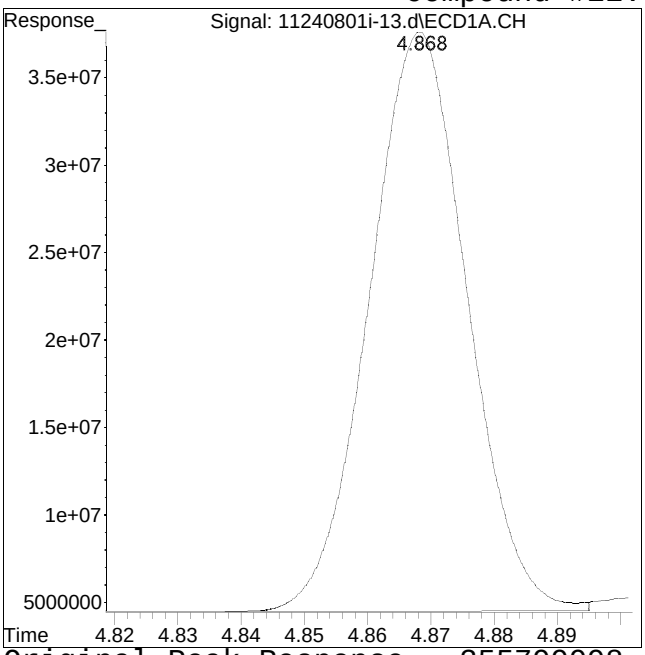
Original Peak Response = 414584790 Manual Peak Response = 412871100 M4
M4 = Poor automated baseline construction.

Manual Integration Report

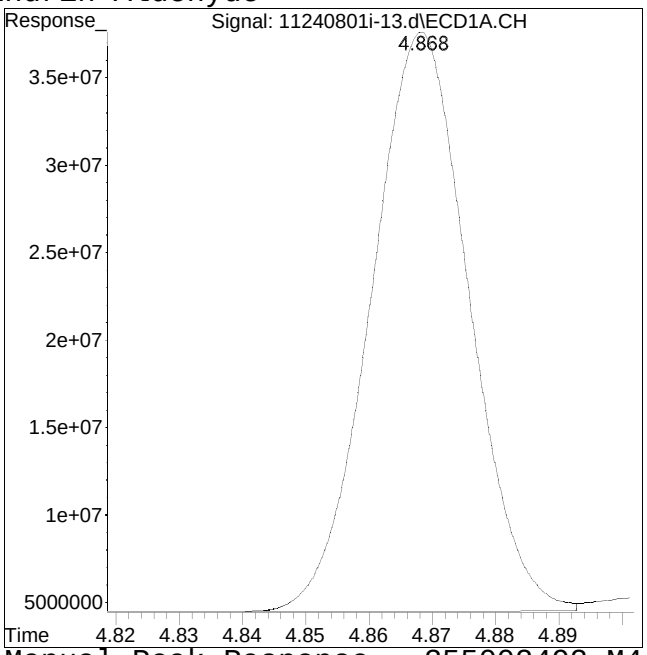
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #22: Endrin Aldehyde



Original Peak Response = 355799998



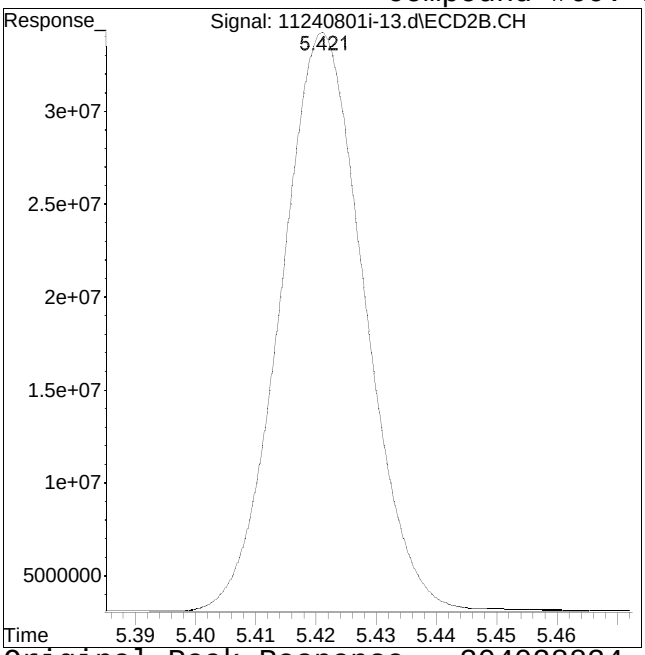
Manual Peak Response = 355002492 M4

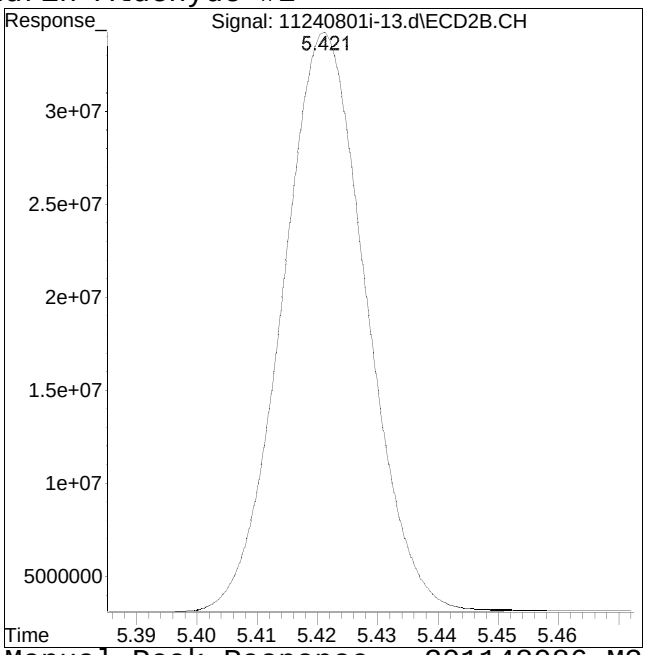
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #60: Endrin Aldehyde #2





Original Peak Response = 304028834 Manual Peak Response = 301148086 M3

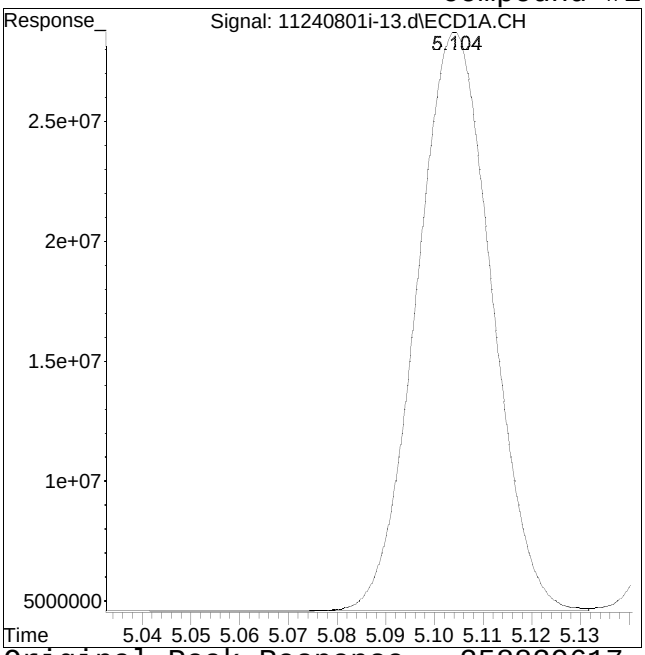
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

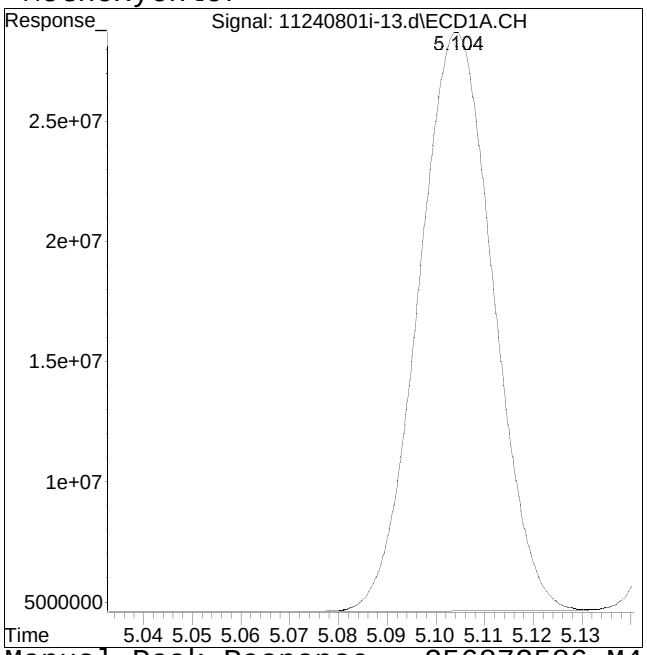
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #23: Methoxychlor



Original Peak Response = 258839617



Manual Peak Response = 256872586 M4

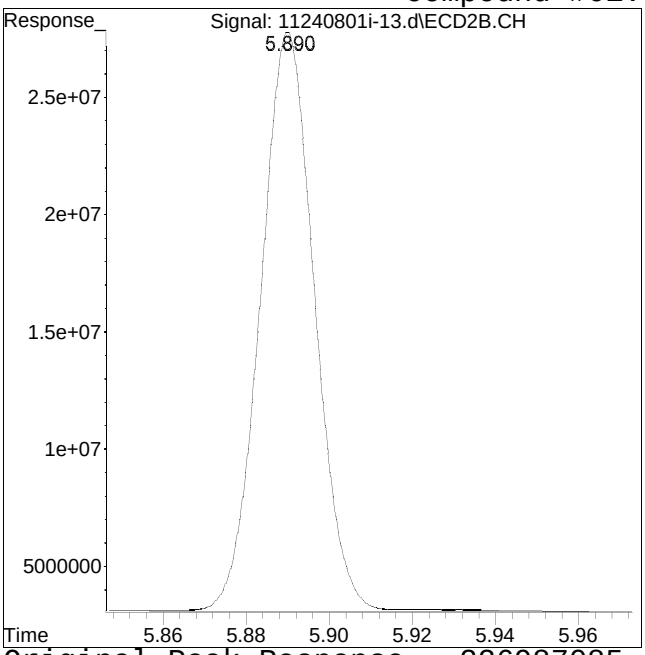
M4 = Poor automated baseline construction.

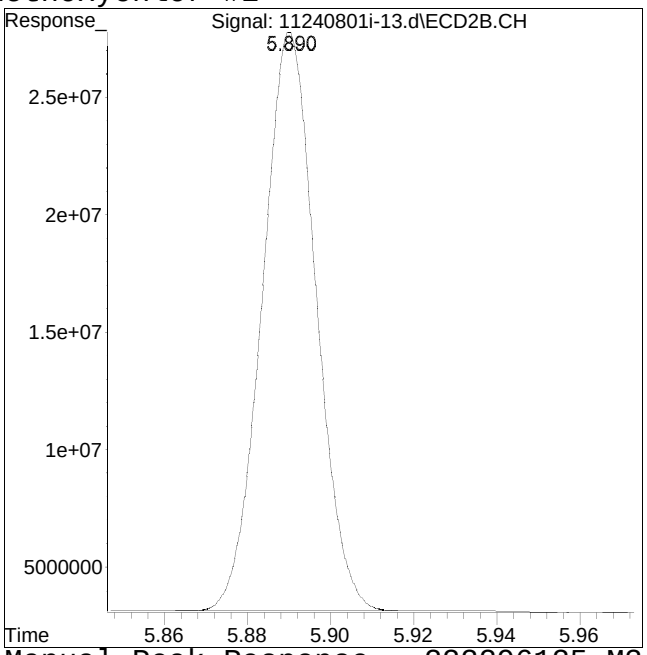
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #61: Methoxychlor #2





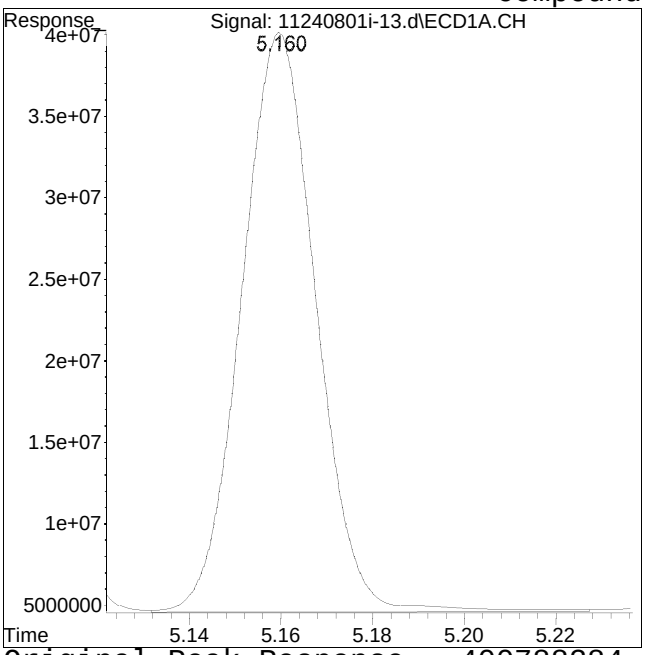
Original Peak Response = 226987085 Manual Peak Response = 222296125 M3

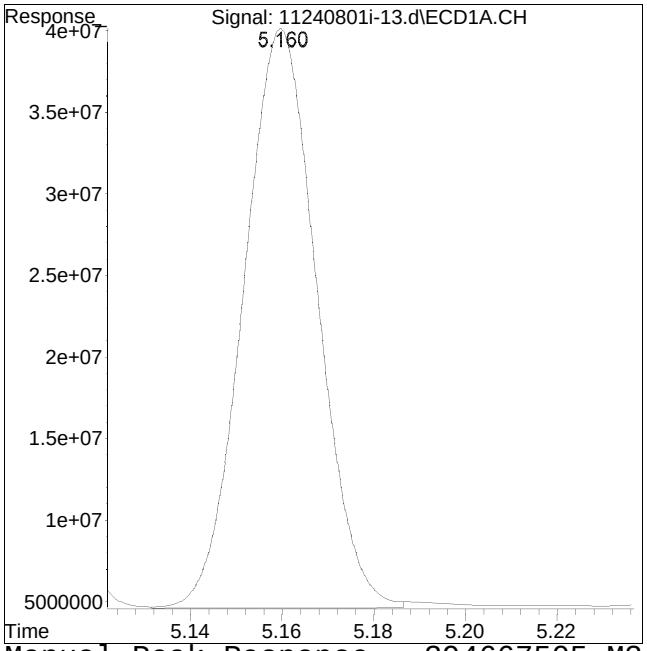
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-13.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 20:36 Instrument : Pest 11
Sample : cicvpest,42e,,pp 11675 L0.Quant Date : 8/2/2024 11:49 am

Compound #24: Mirex





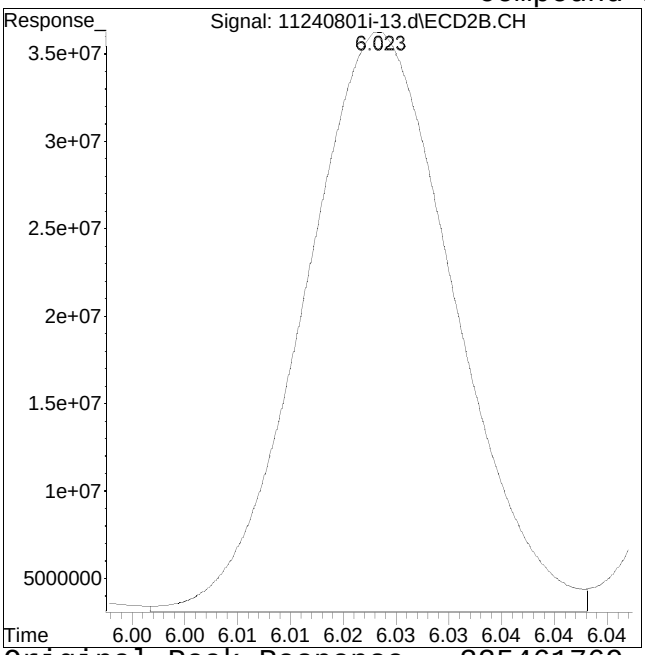
Original Peak Response = 400788384 Manual Peak Response = 394667505 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

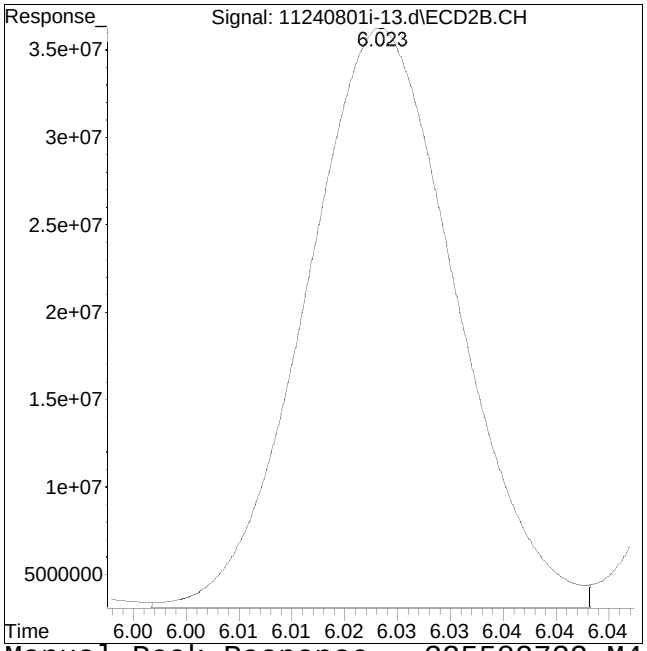
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #62: Mirex #2



Original Peak Response = 325461769



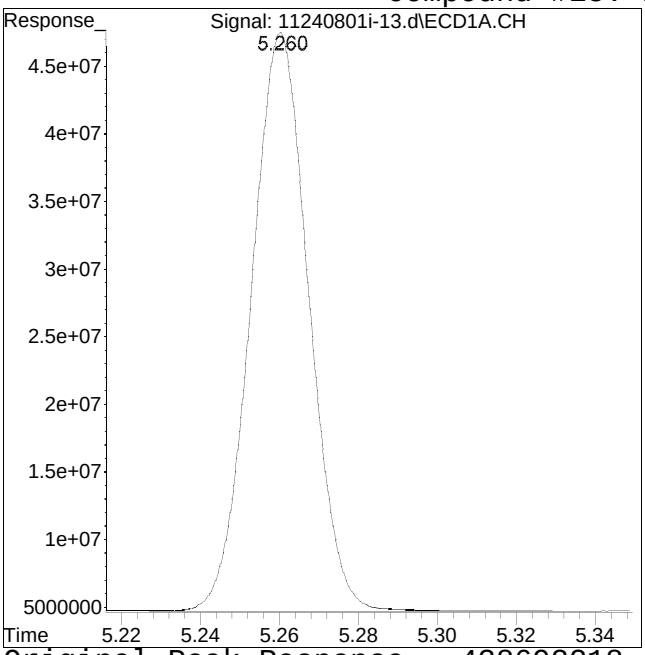
Manual Peak Response = 325582722 M4

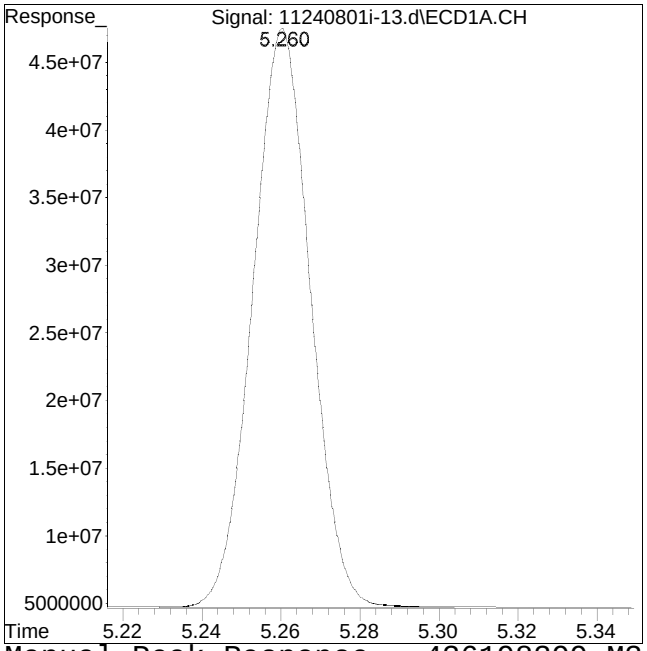
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #25: Endosulfan Sulfate





Original Peak Response = 438692218 Manual Peak Response = 436198399 M3

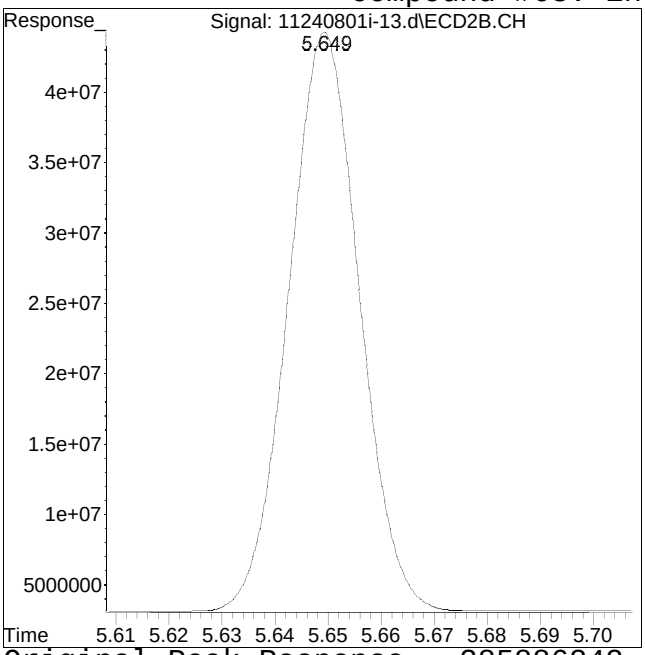
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

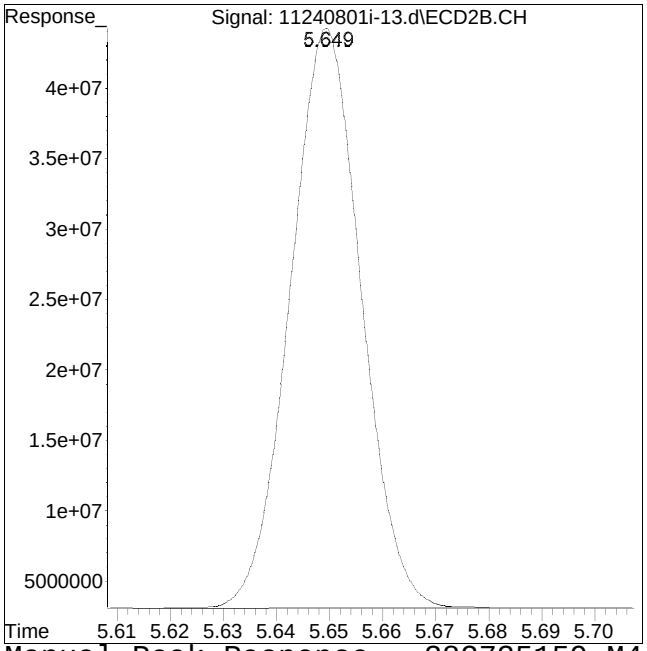
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #63: Endosulfan Sulfate #2



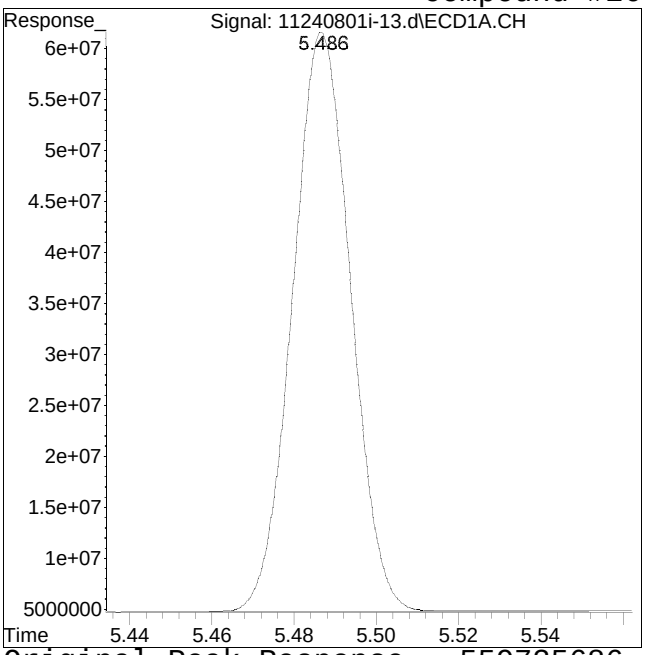


Original Peak Response = 385886242 Manual Peak Response = 382735159 M4
M4 = Poor automated baseline construction.

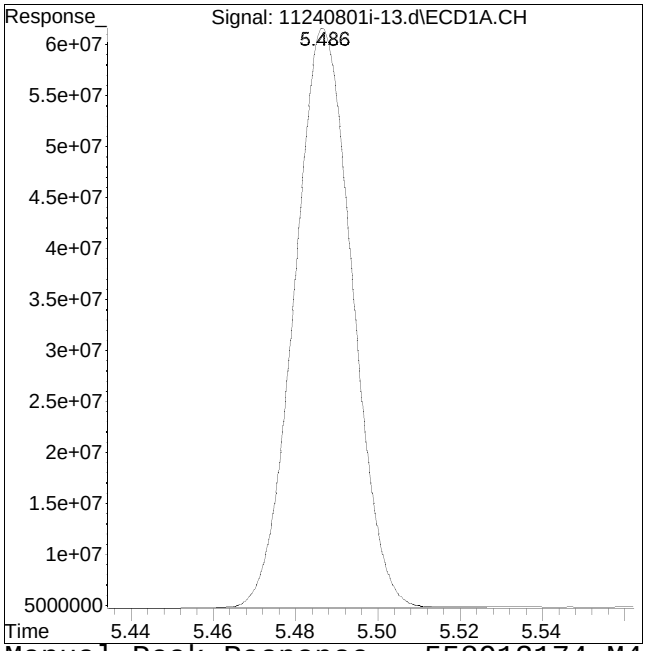
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #26: Endrin Ketone



Original Peak Response = 559735686



Manual Peak Response = 558913174 M4

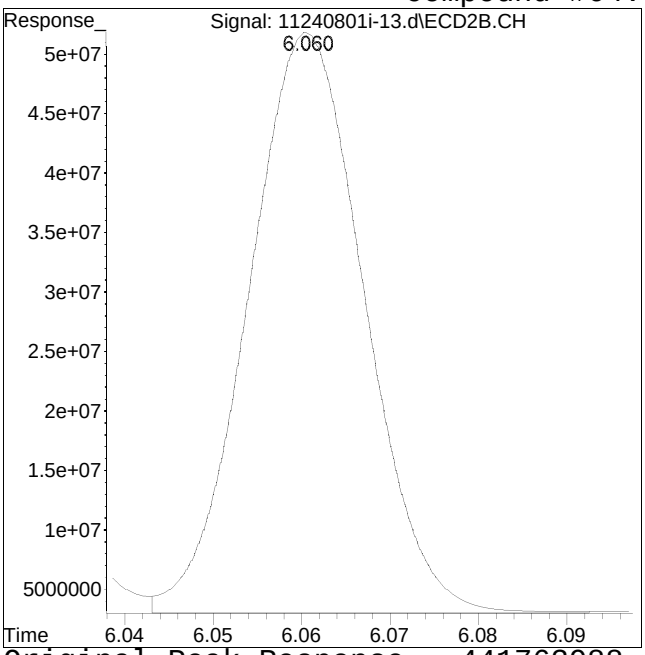
M4 = Poor automated baseline construction.

Manual Integration Report

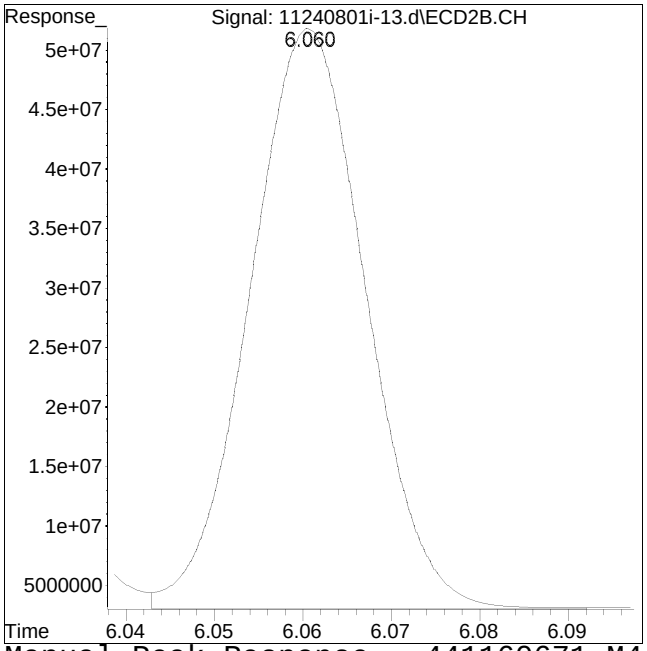
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #64: Endrin Ketone #2



Original Peak Response = 441763988



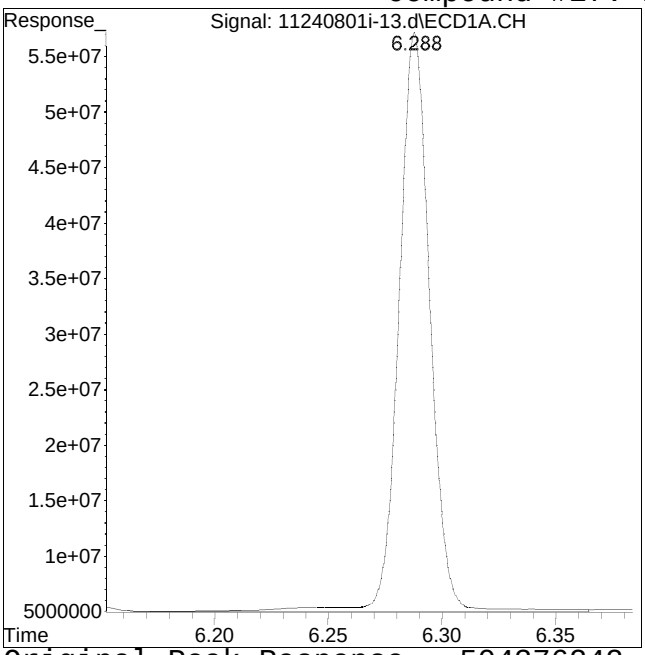
Manual Peak Response = 441160671 M4

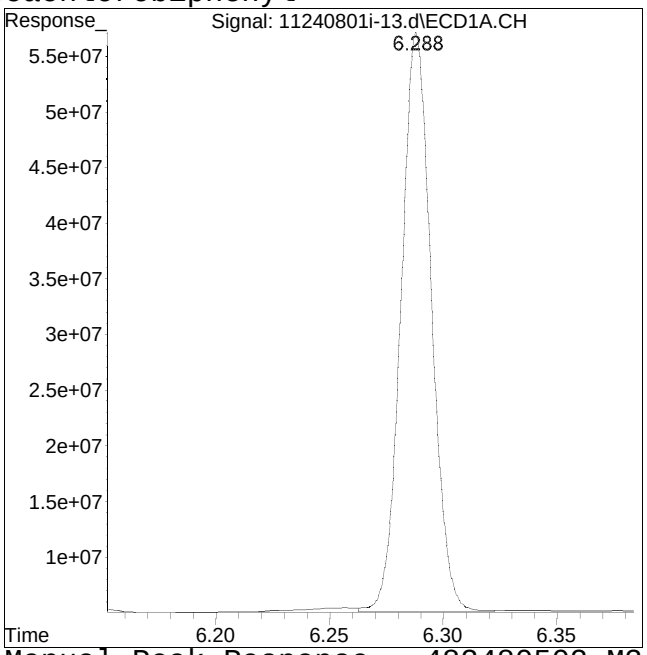
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #27: Decachlorobiphenyl



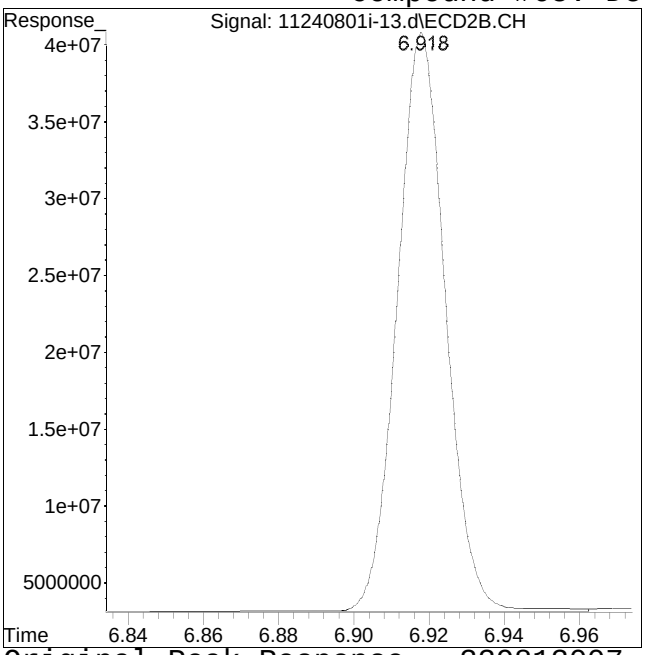


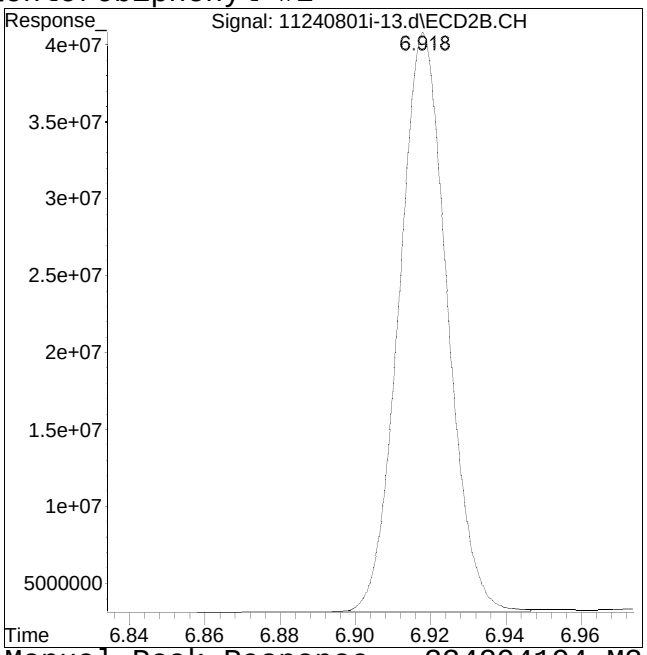
Original Peak Response = 504376242 Manual Peak Response = 482480502 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-13.d
Date Inj'd : 8/1/2024 20:36
Sample : cicvpest,42e,,pp 11675 L0.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:49 am

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 339813007 Manual Peak Response = 334294194 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	221.9E6	176.1E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	3348778	3797653	10.230	12.954
30) l1	chlordane-3	2.868	3.423	4387652	4962525	10.696M4	14.420
31) l1	chlordane-4	3.425	4.104	14578311	14683745	10.355	12.473
32) l1	chlordane-5	3.553	4.275	21582458	11409156	9.913	12.528
Sum	chlordane-1			43897199	34853078	NoCal	NoCal D
Average	chlordane-1					10.299	13.094
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

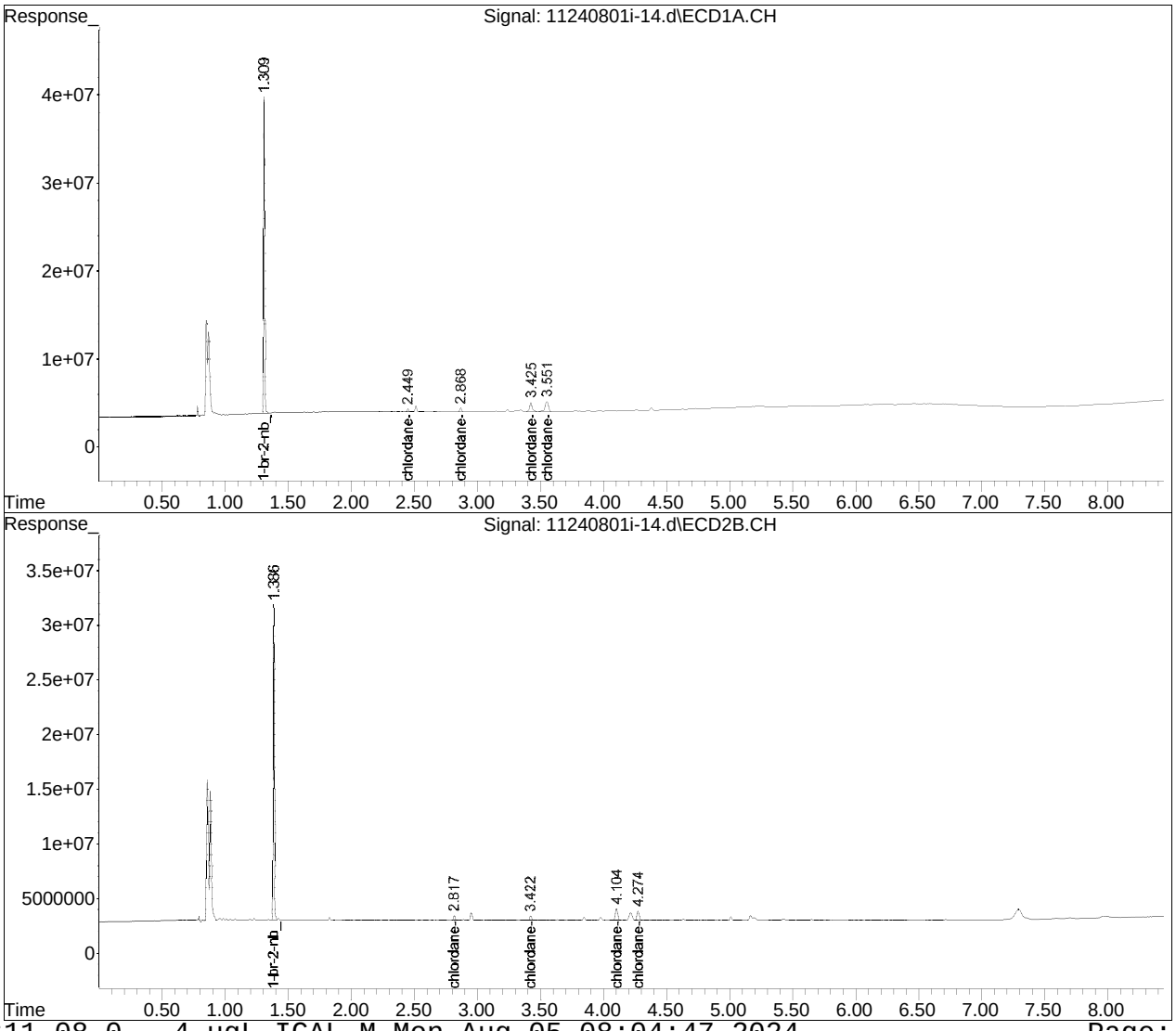
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 20:48
Operator : PEST11:ejl
Sample : il3chlor,42e,,pp 11694 L0.01
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:13:06 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:12:45 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

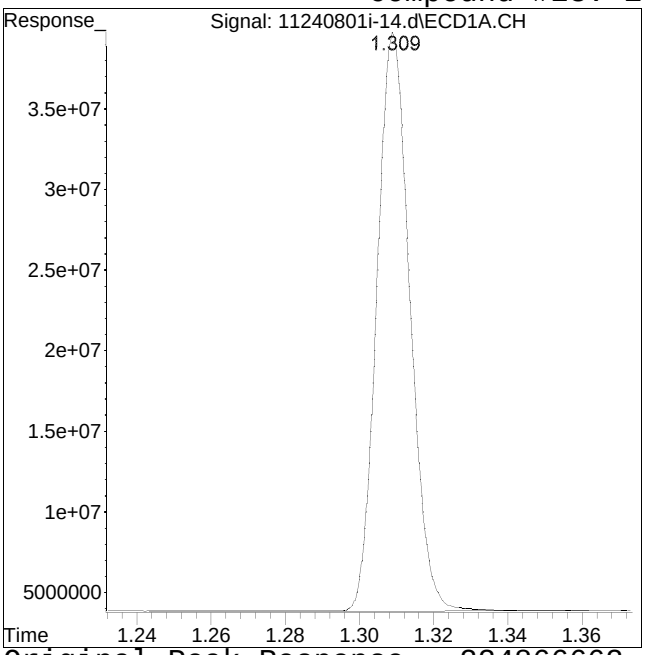


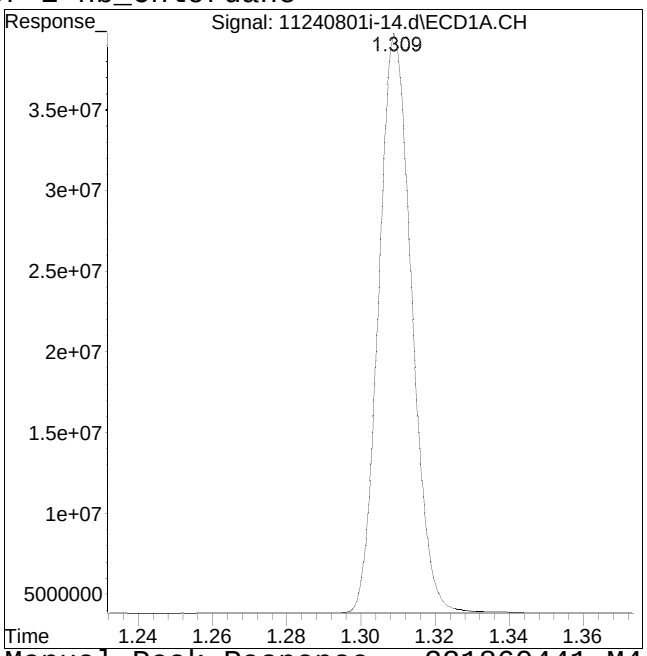
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #28: 1-br-2-nb_Chlordane





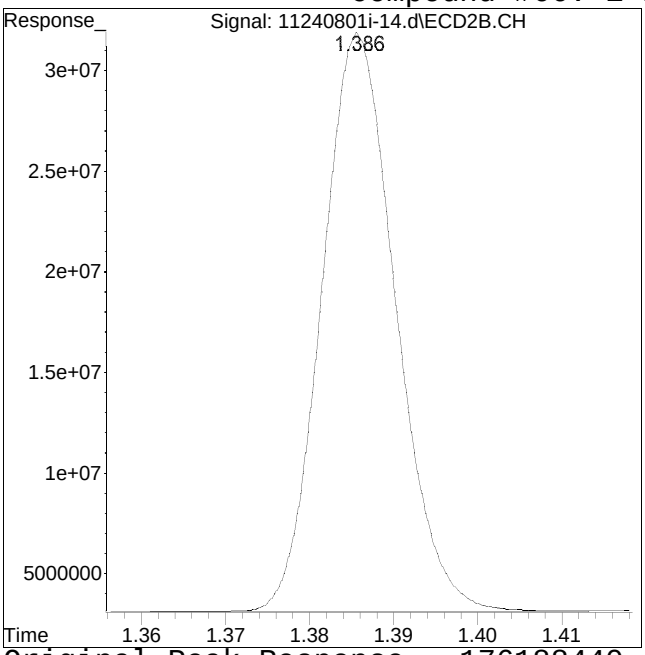
Original Peak Response = 224866662 Manual Peak Response = 221860441 M4
M4 = Poor automated baseline construction.

Manual Integration Report

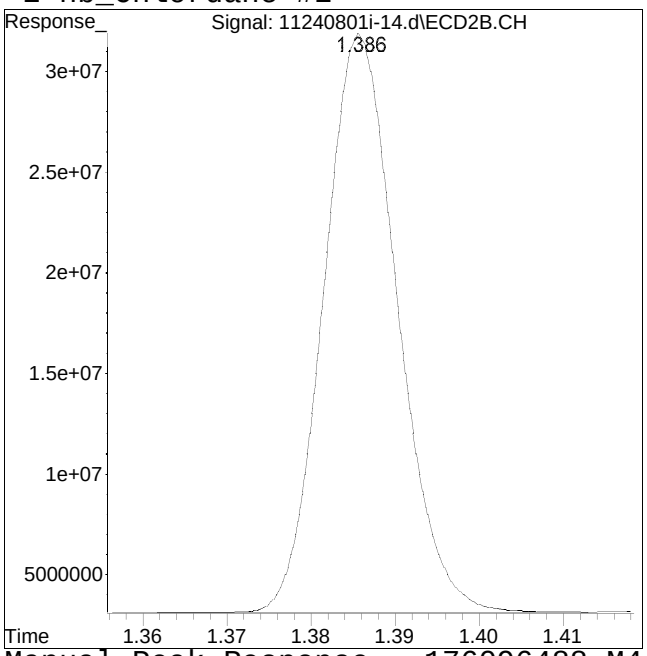
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 176188440



Manual Peak Response = 176096488 M4

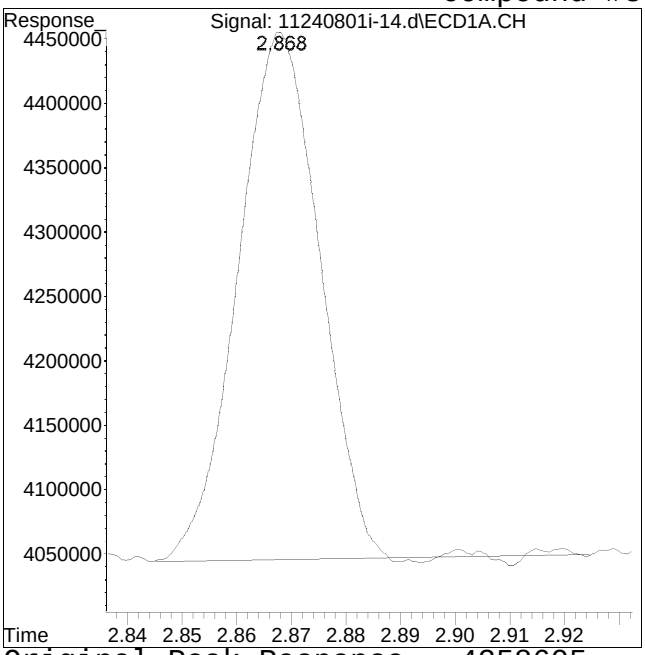
M4 = Poor automated baseline construction.

Manual Integration Report

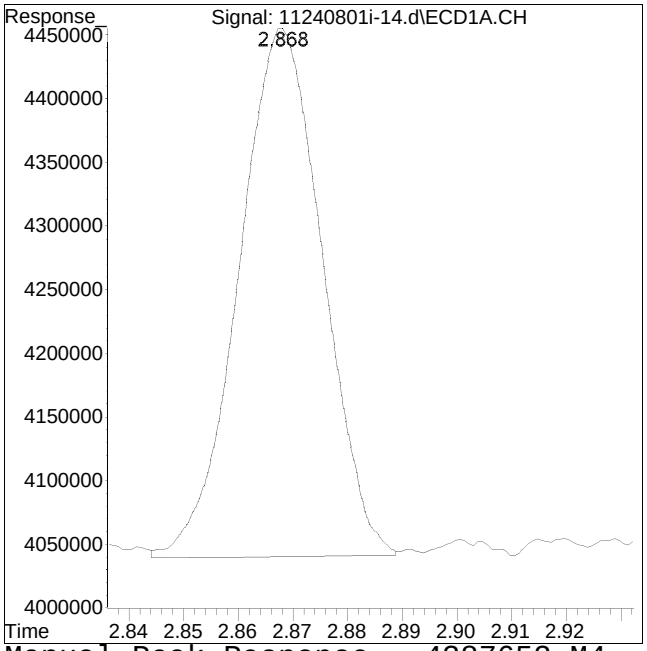
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-14.d
Date Inj'd : 8/1/2024 20:48
Sample : il3chlor,42e,,pp 11694 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:13 pm

Compound #30: chlordane-3



Original Peak Response = 4258605



Manual Peak Response = 4387652 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	215.7E6	175.4E6	25.000M4	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	6270200	7260829	19.646	26.129
30) l1	chlordane-3	2.869	3.422	9042606	9017445	23.300	28.067M4
31) l1	chlordane-4	3.426	4.105	27276142	26803162	19.917	23.521
32) l1	chlordane-5	3.552	4.275	42068468	20966520	19.853	23.849
Sum	chlordane-1			84657416	64047956	NoCal	NoCal D
Average	chlordane-1					20.679	25.392
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

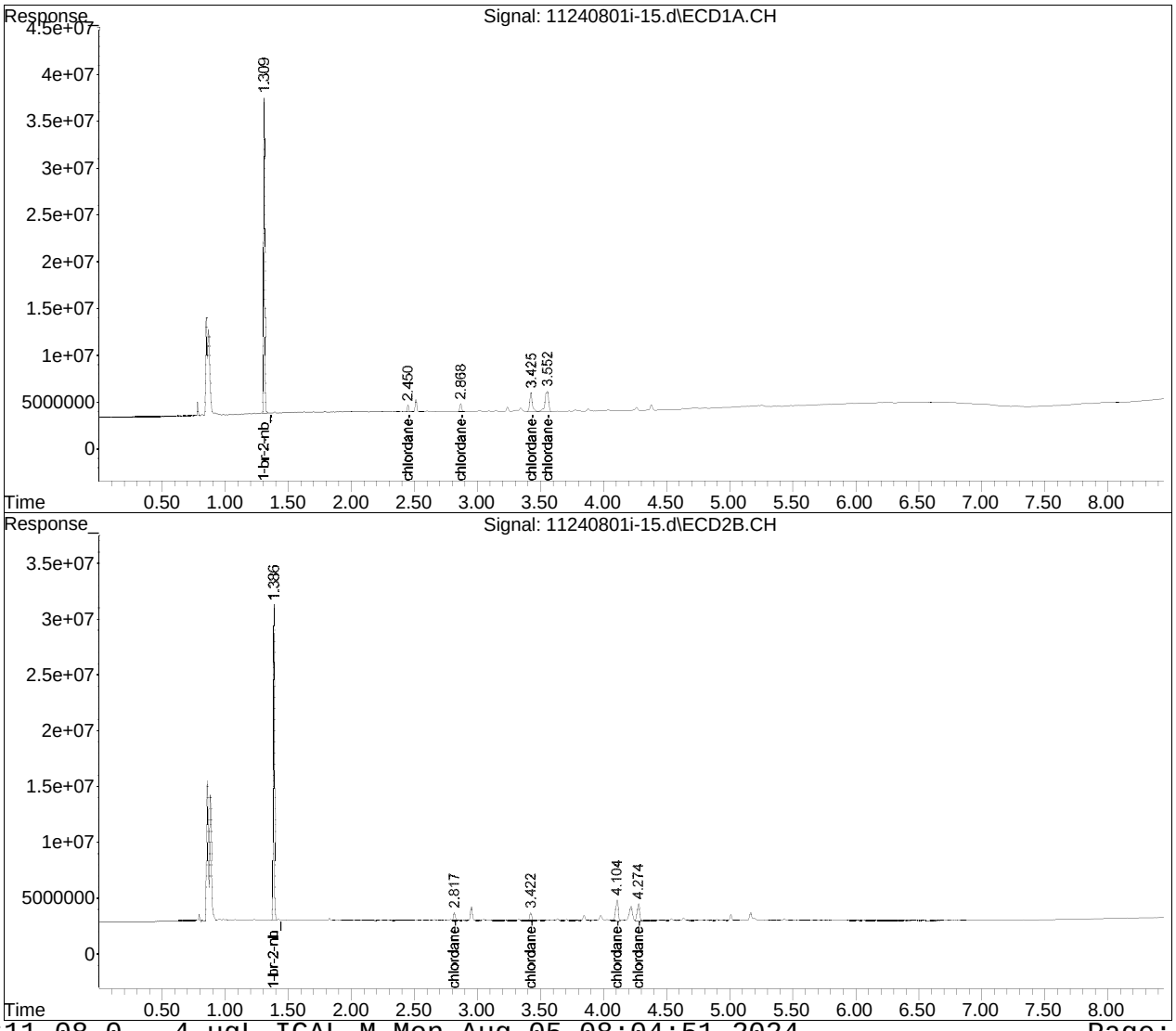
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:00
Operator : PEST11:ejl
Sample : il4chlor,42e,,pp 11693 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:11:50 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:11:41 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

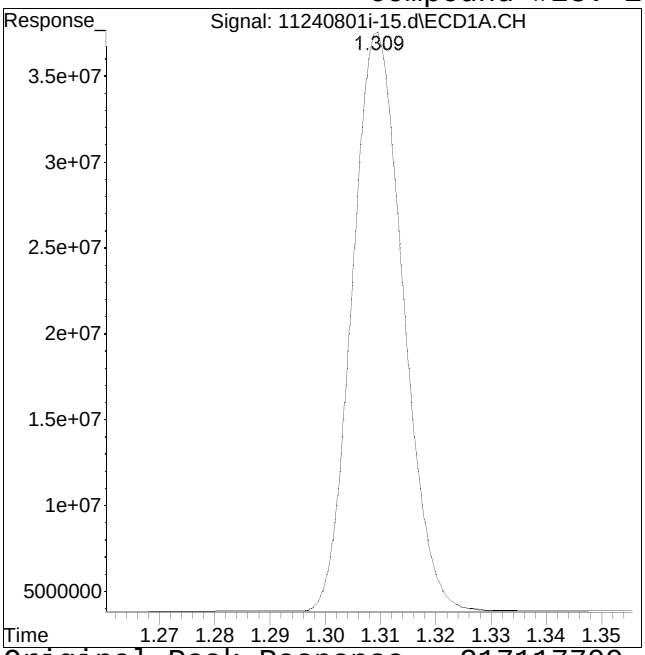
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



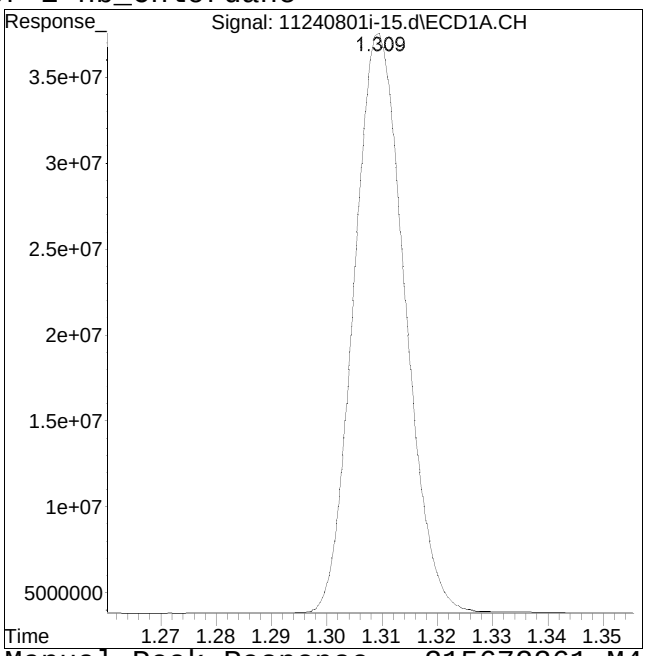
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-15.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:00 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/2/2024 12:11 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 217117709

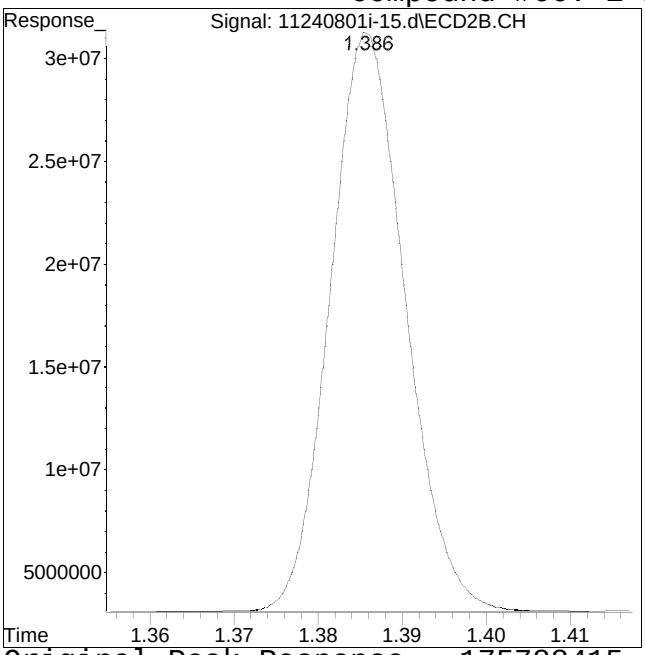


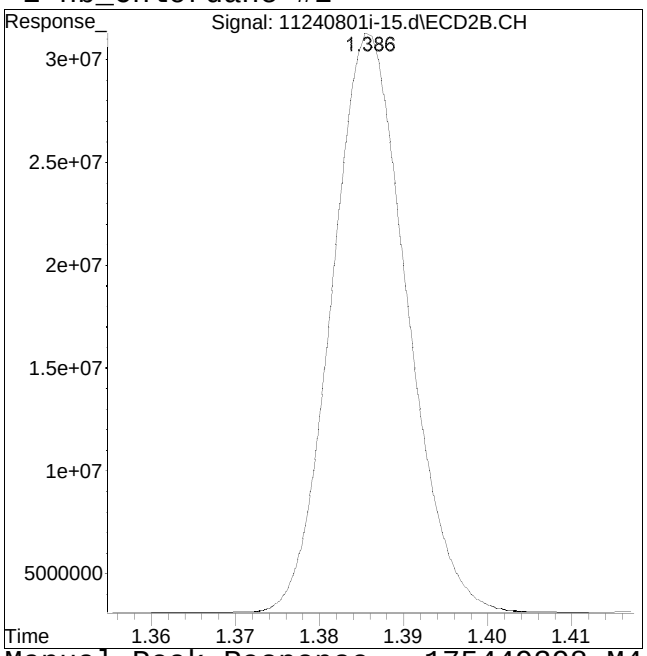
Manual Peak Response = 215672261 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-15.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:00 Instrument : Pest 11
Sample : il4chlor,42e,,pp 11693 L0.Quant Date : 8/2/2024 12:11 pm

Compound #66: 1-br-2-nb_Chlordane #2





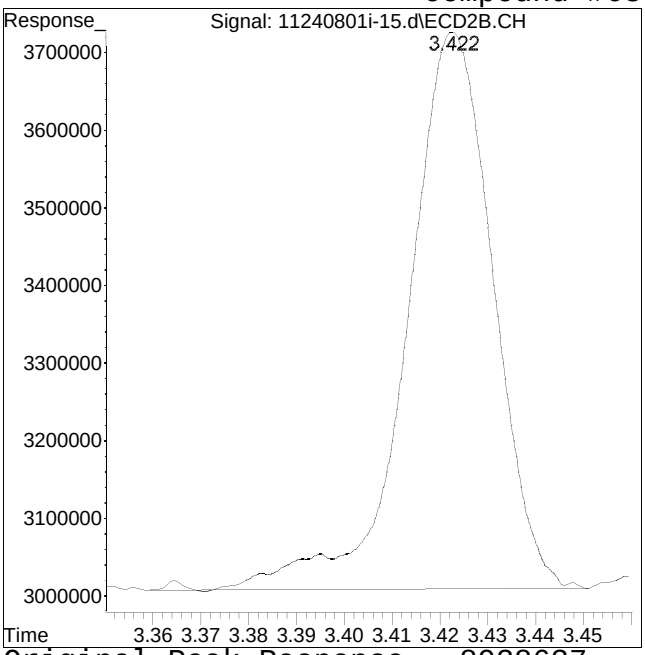
Original Peak Response = 175788415 Manual Peak Response = 175449398 M4
M4 = Poor automated baseline construction.

Manual Integration Report

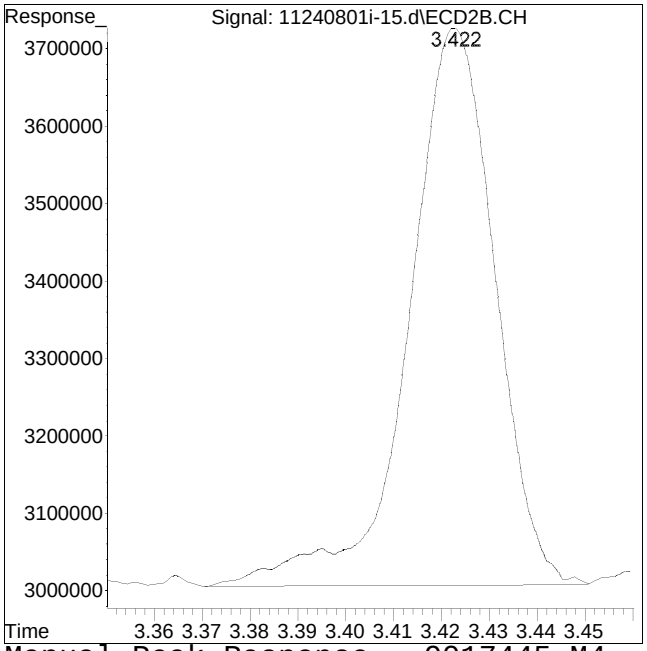
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-15.d
Date Inj'd : 8/1/2024 21:00
Sample : il4chlor,42e,,pp 11693 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:11 pm

Compound #68: chlordane-3 #2



Original Peak Response = 8938637



Manual Peak Response = 9017445 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.310	1.386	213.1E6	177.4E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	31747496	31529401	100.863	115.730
30) l1	chlordane-3	2.868	3.423	42064633	39044033	112.438M3	126.559
31) l1	chlordane-4	3.426	4.105	133.2E6	117.6E6	98.086	102.618
32) l1	chlordane-5	3.553	4.275	208.7E6	92314998	99.611	104.846
Sum	chlordane-1			415.7E6	280.5E6	NoCal	NoCal D
Average	chlordane-1					102.749	112.438
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

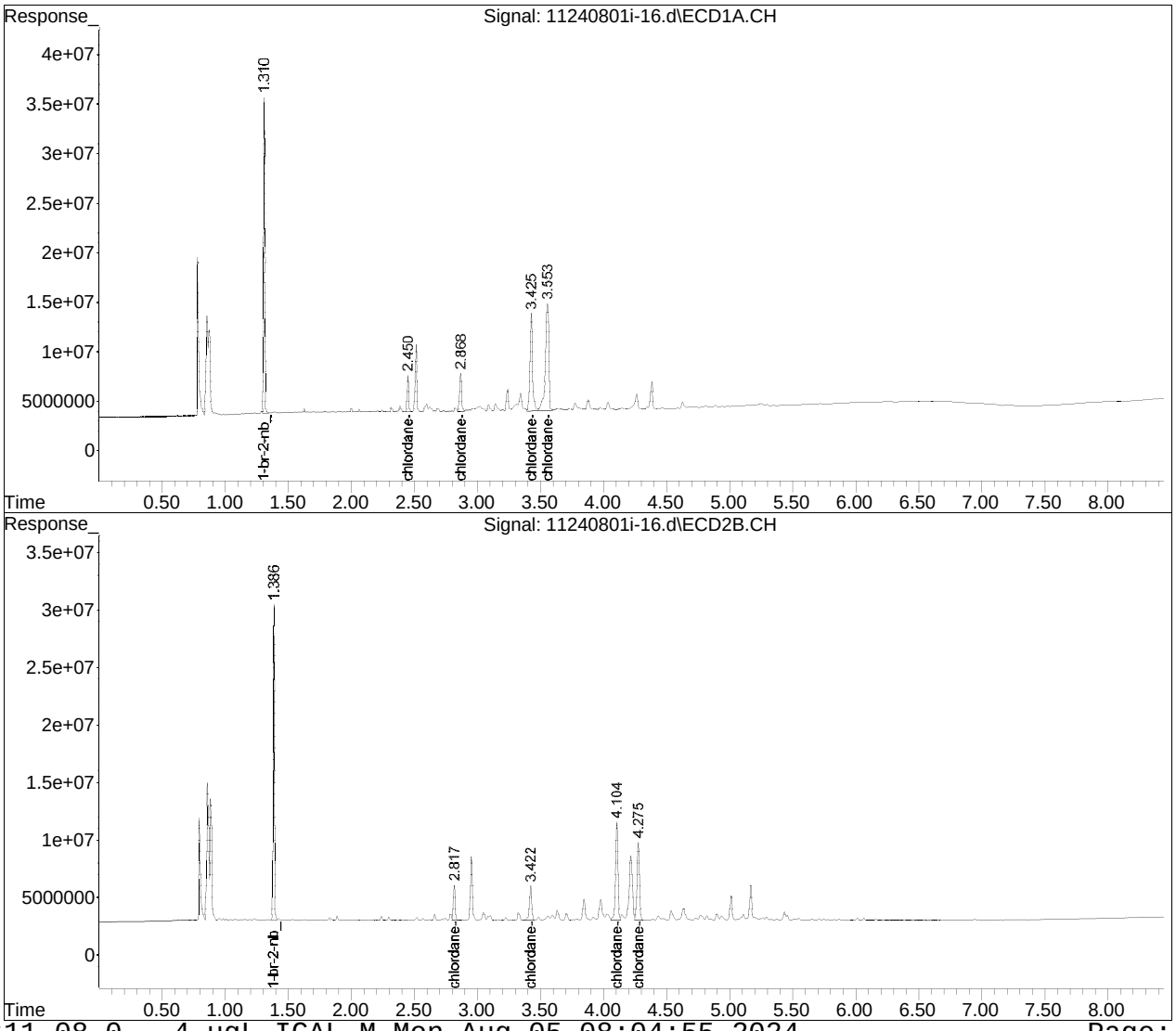
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:12
Operator : PEST11:ejl
Sample : il5chlor,42e,,pp 11692 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:10:36 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:10:28 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

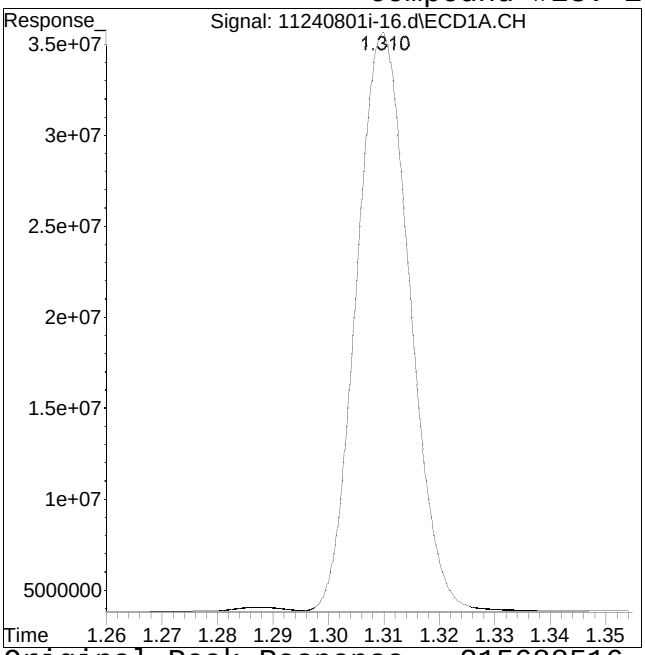


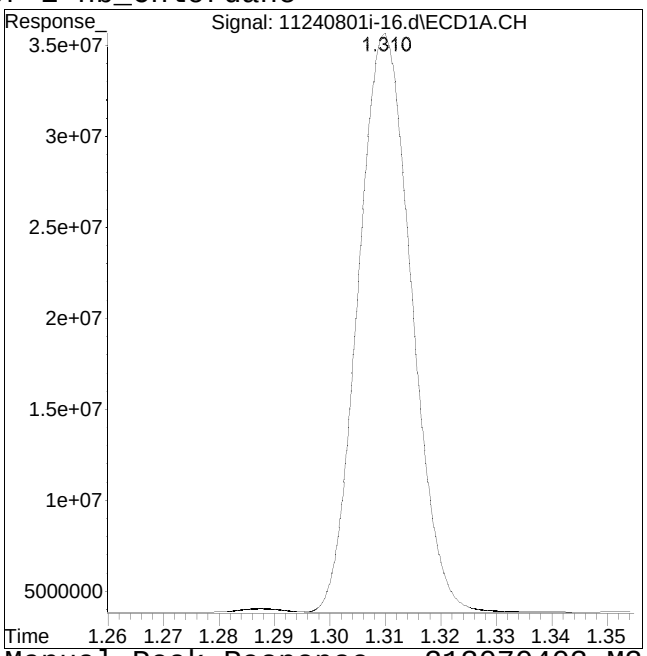
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-16.d
Date Inj'd : 8/1/2024 21:12
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:10 pm

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 215688516 Manual Peak Response = 213070403 M3

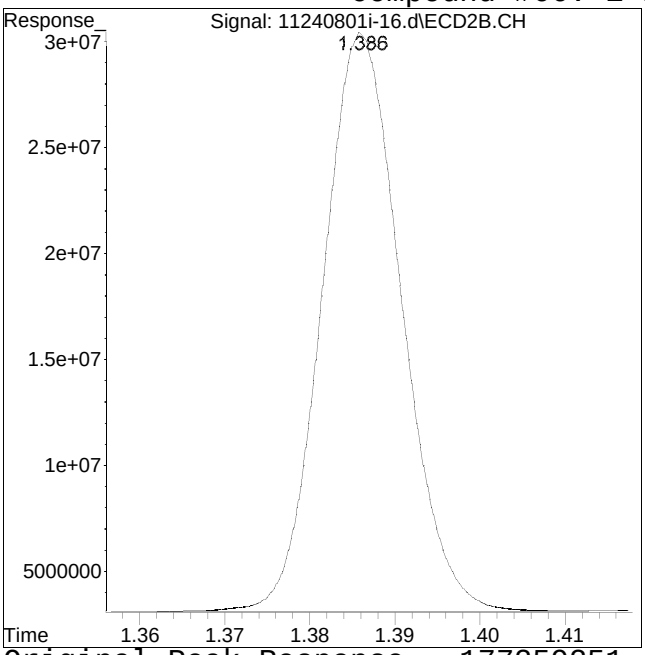
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

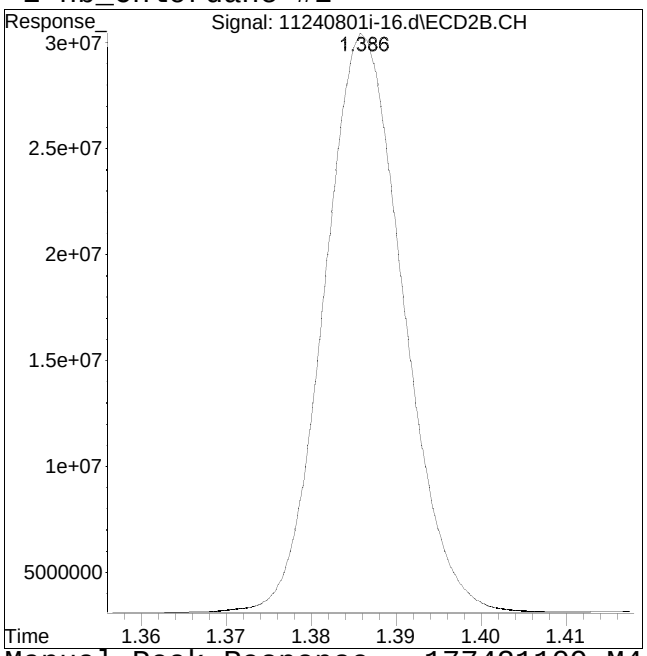
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-16.d
Date Inj'd : 8/1/2024 21:12
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:10 pm

Compound #66: 1-br-2-nb_Chlordane #2



Original Peak Response = 177259251



Manual Peak Response = 177421109 M4

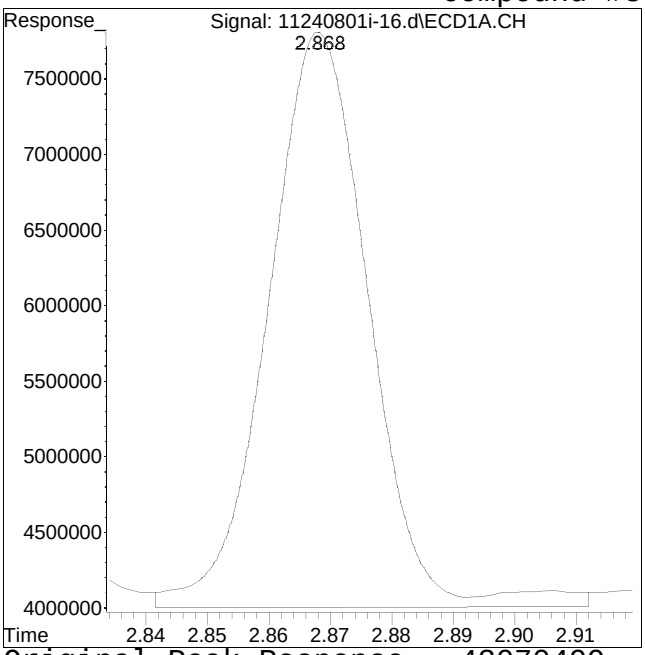
M4 = Poor automated baseline construction.

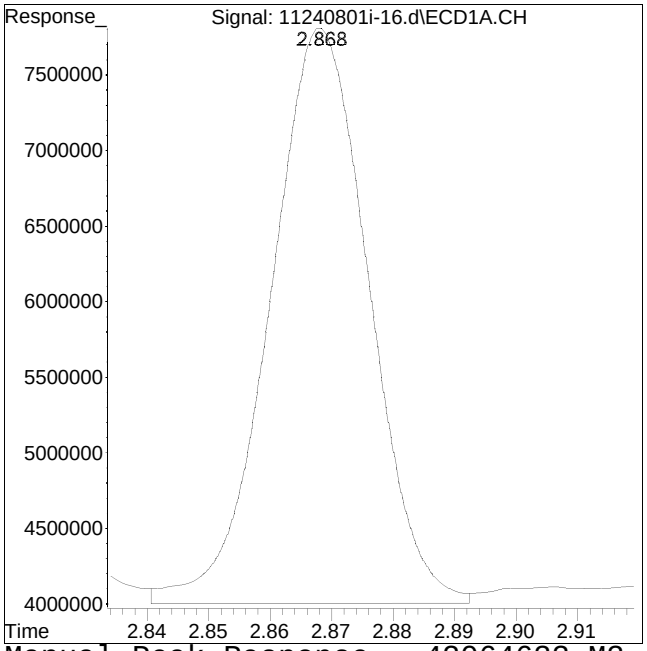
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-16.d
Date Inj'd : 8/1/2024 21:12
Sample : il5chlor,42e,,pp 11692 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:10 pm

Compound #30: chlordane-3





Original Peak Response = 43070499 Manual Peak Response = 42064633 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	218.4E6	184.3E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	161.0E6	143.9E6	498.684	511.438
30) l1	chlordane-3	2.868	3.423	200.4E6	172.2E6	530.433	551.110
31) l1	chlordane-4	3.425	4.105	700.4E6	600.2E6	504.213	505.425
32) l1	chlordane-5	3.551	4.275	1089.8E6	462.7E6	510.023M3	507.838
Sum	chlordane-1			2151.6E6	1379.0E6	NoCal	NoCal D
Average	chlordane-1					510.838	518.953
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

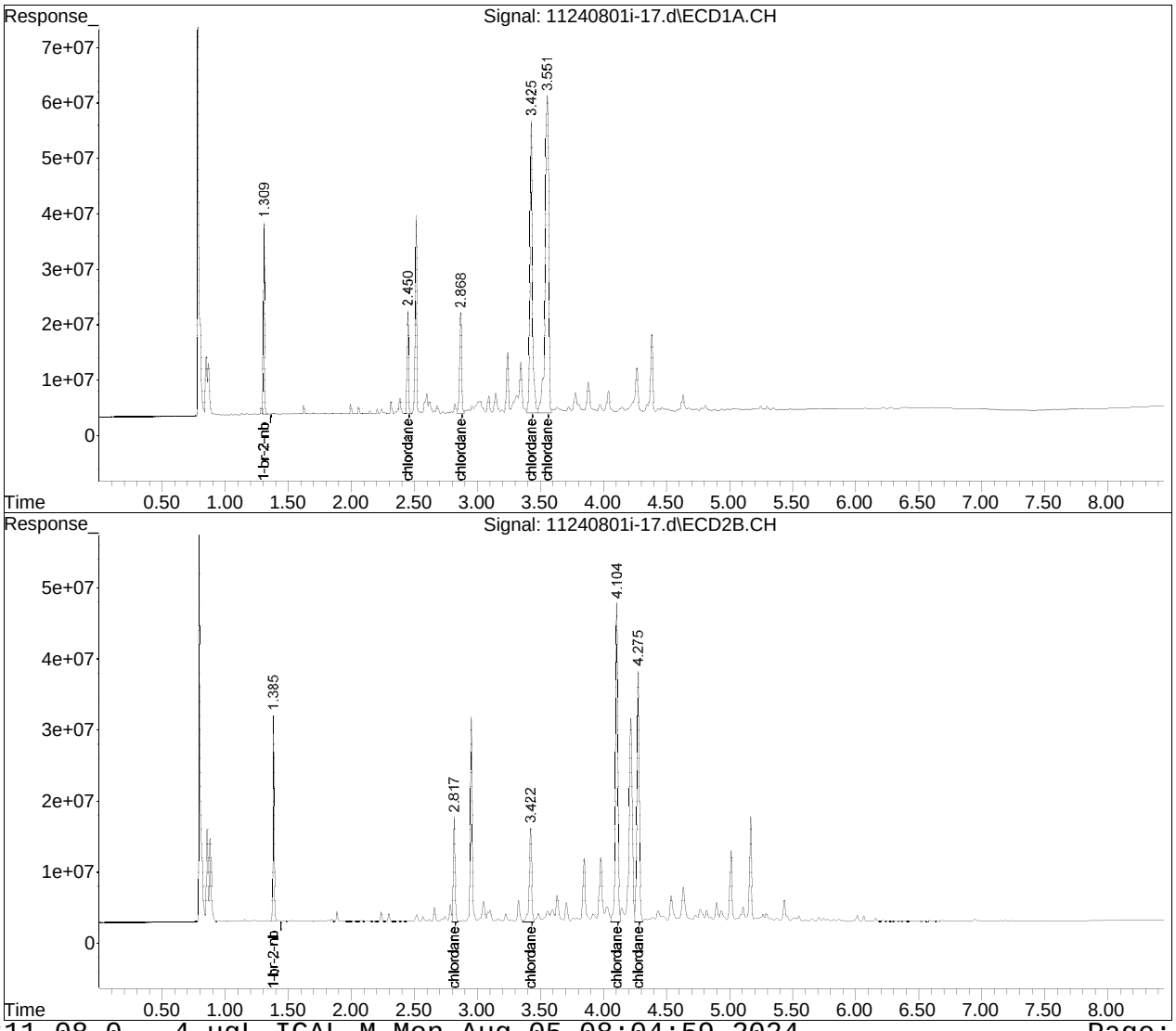
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:24
Operator : PEST11:ejl
Sample : il7chlor,42e,,pp 11691 L0.5
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:09:22 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:09:13 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

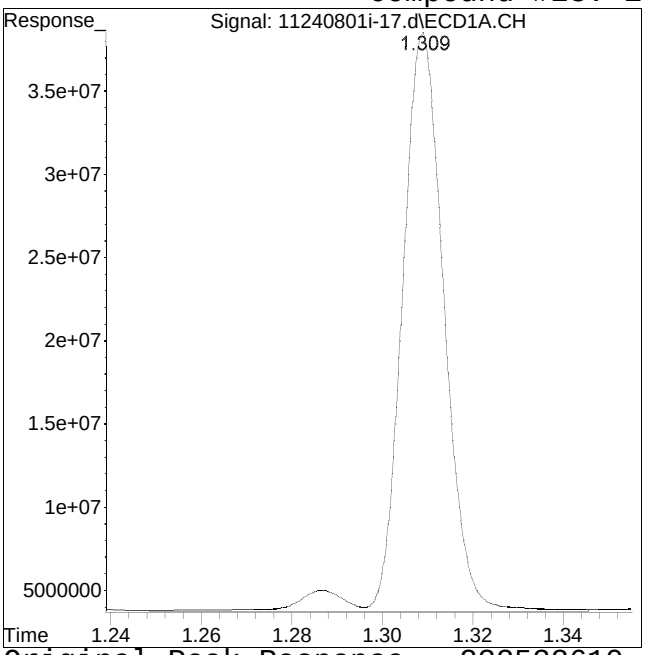


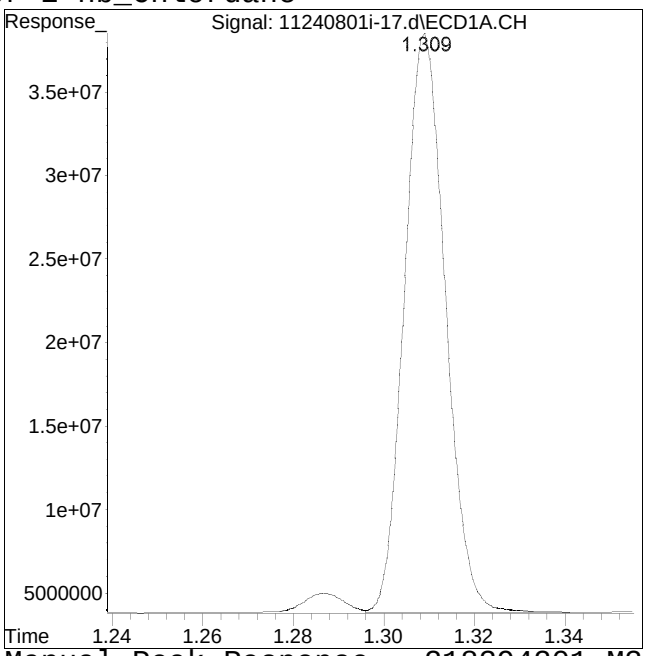
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-17.d
Date Inj'd : 8/1/2024 21:24
Sample : il7chlor,42e,,pp 11691 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:09 pm

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 232522610 Manual Peak Response = 218394201 M3

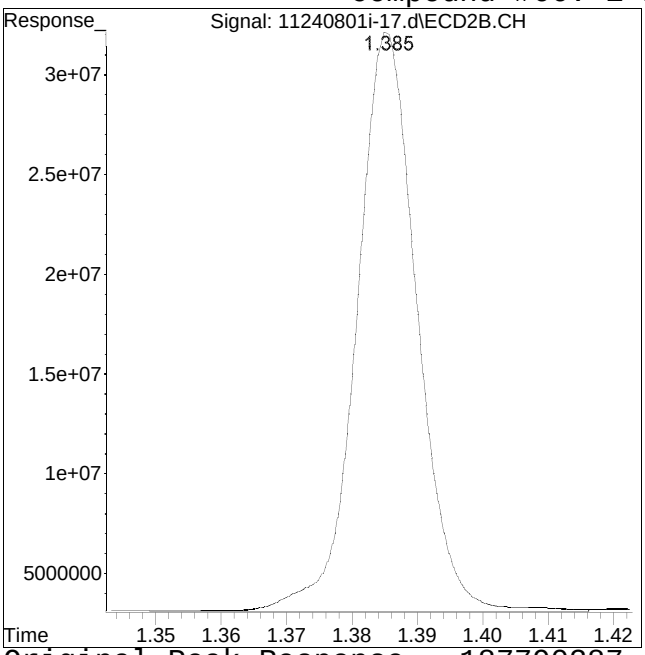
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

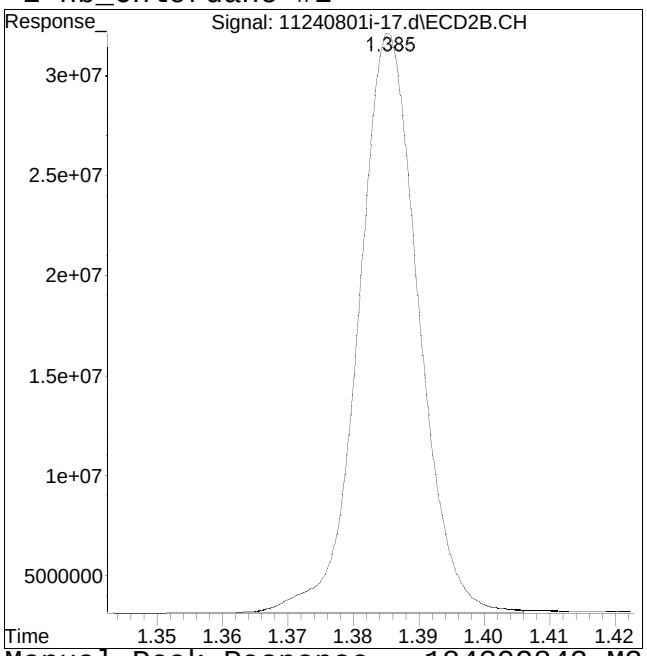
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-17.d
Date Inj'd : 8/1/2024 21:24
Sample : il7chlor,42e,,pp 11691 L0.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:09 pm

Compound #66: 1-br-2-nb_Chlordane #2





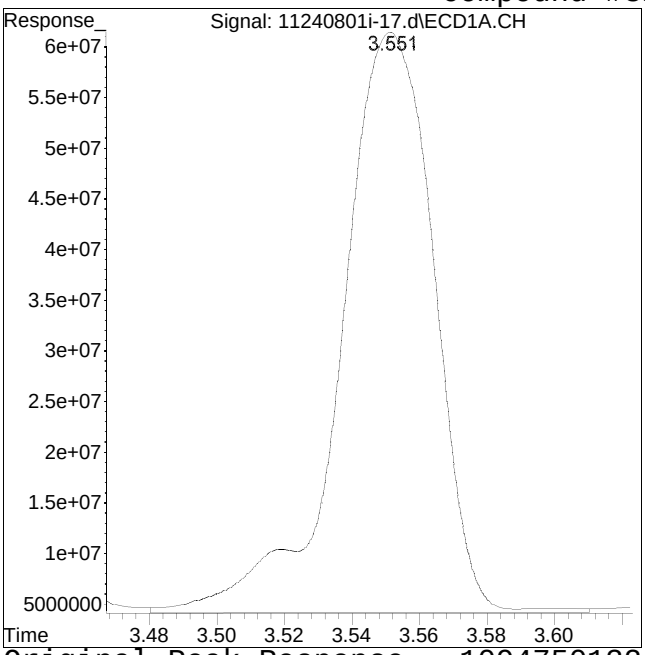
Original Peak Response = 187790387 Manual Peak Response = 184302842 M3

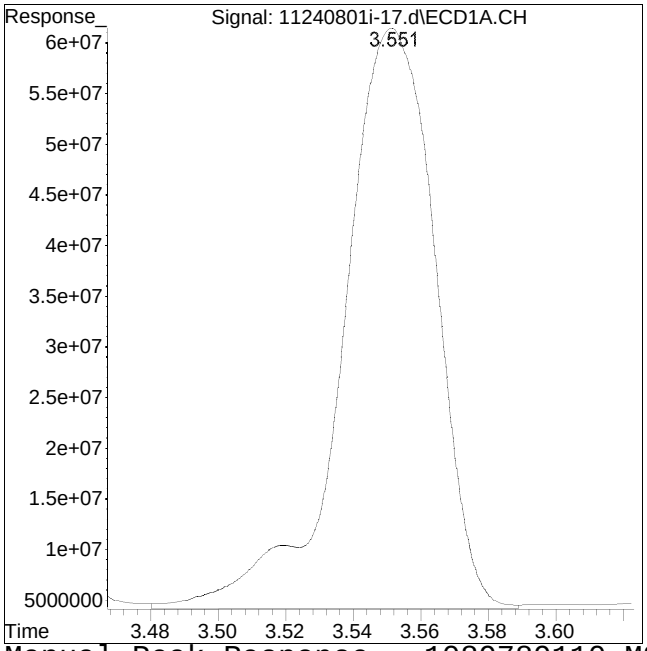
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-17.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:24 Instrument : Pest 11
Sample : il7chlor,42e,,pp 11691 L0.Quant Date : 8/2/2024 12:09 pm

Compound #32: chlordane-5





Original Peak Response = 1094750132 Manual Peak Response = 1089789110 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	220.2E6	184.9E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	332.9E6	292.8E6	NoCal	NoCal
30) l1	chlordane-3	2.867	3.422	400.7E6	336.8E6	NoCal M3	NoCal
31) l1	chlordane-4	3.425	4.104	1449.5E6	1235.6E6	NoCal	NoCal
32) l1	chlordane-5	3.552	4.275	2241.5E6	947.4E6	NoCal M3	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

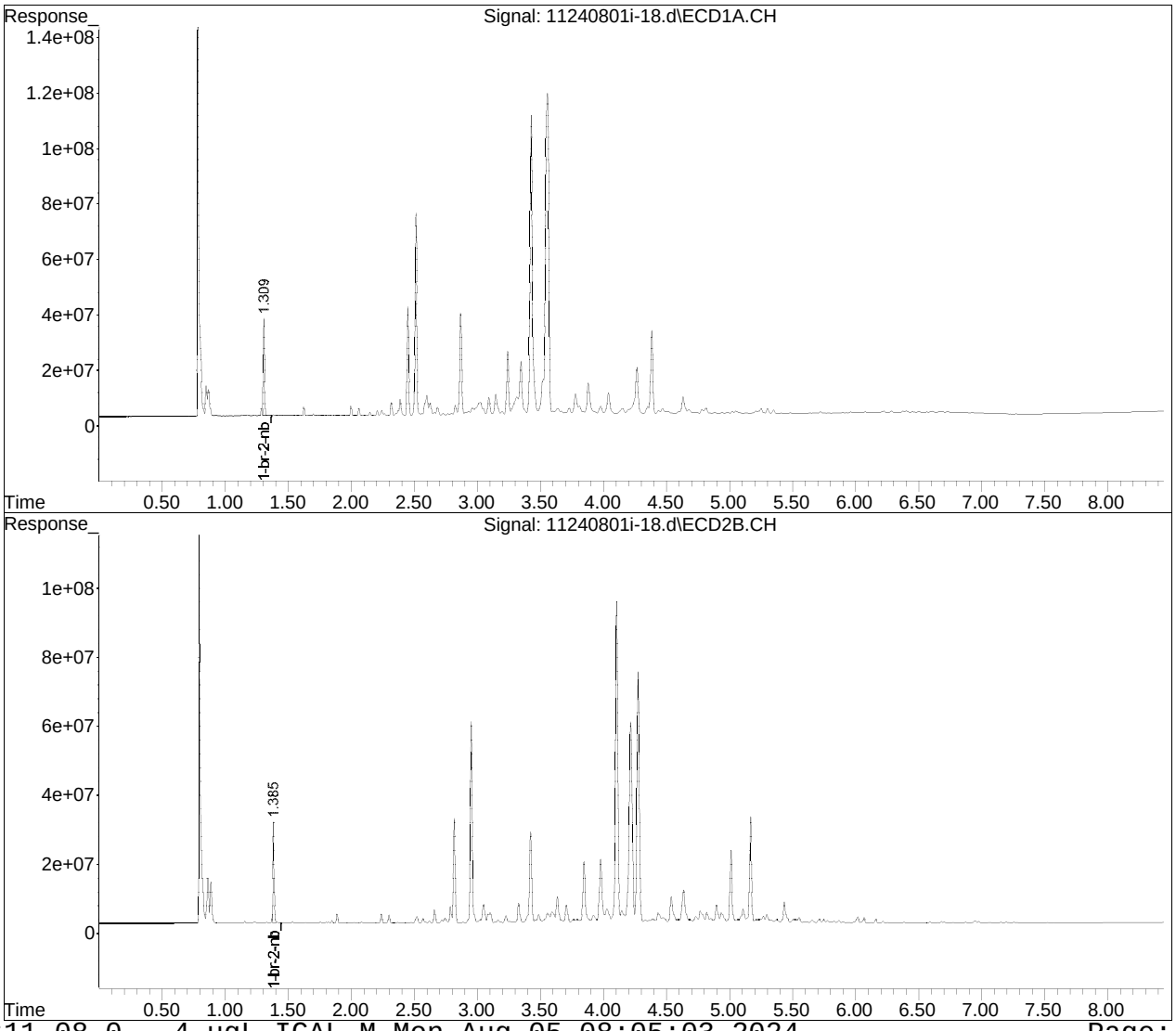
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:36
Operator : PEST11:ejl
Sample : il8chlor,42e,,pp 11690 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 11:55:27 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 11:55:19 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

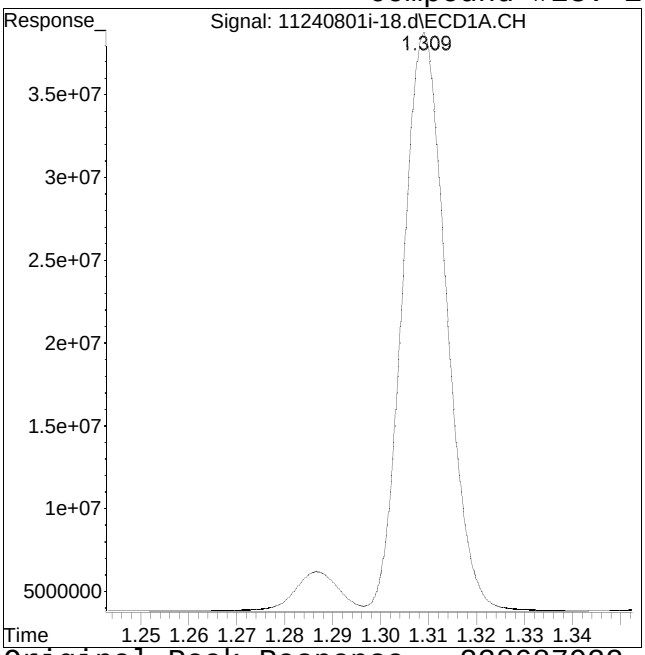


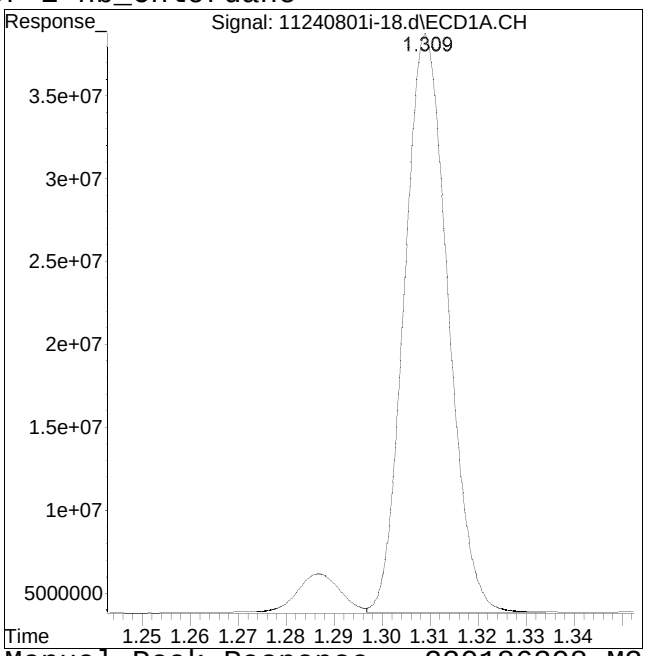
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #28: 1-br-2-nb_Chlordane





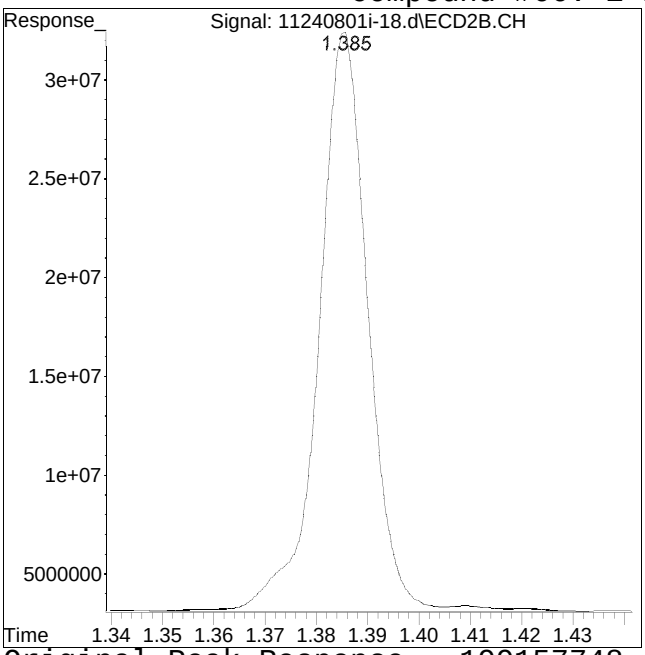
Original Peak Response = 238687922 Manual Peak Response = 220186398 M3

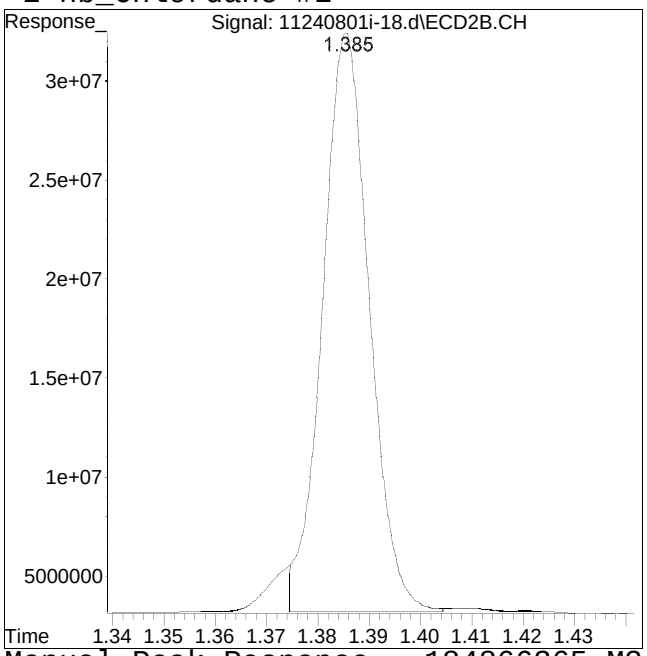
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 199157748 Manual Peak Response = 184866365 M3

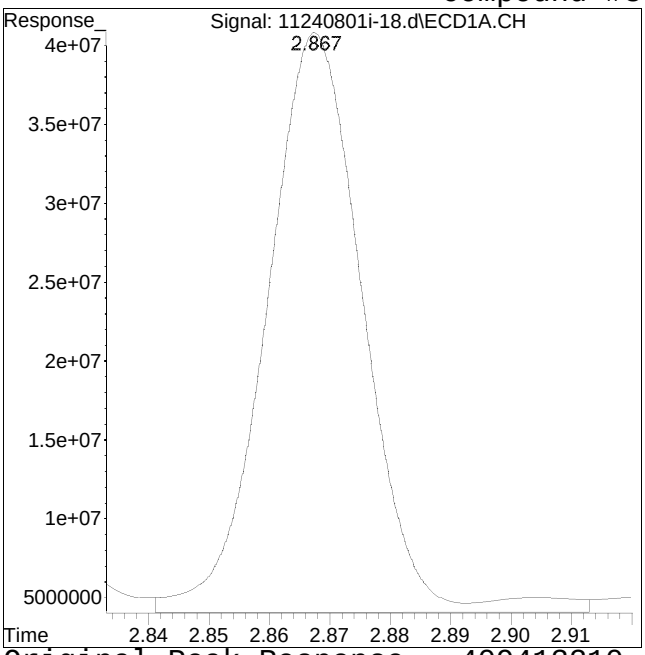
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

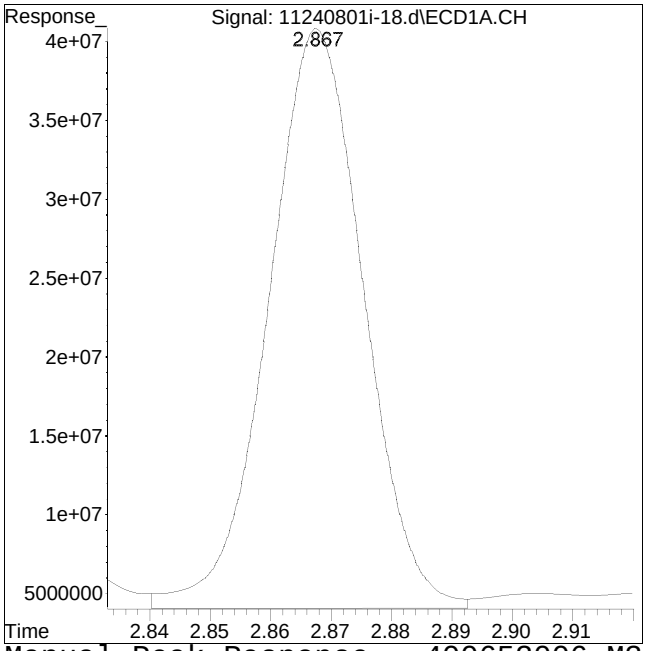
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-18.d
Date Inj'd : 8/1/2024 21:36
Sample : il8chlor,42e,,pp 11690 L1.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 11:55 am

Compound #30: chlordane-3





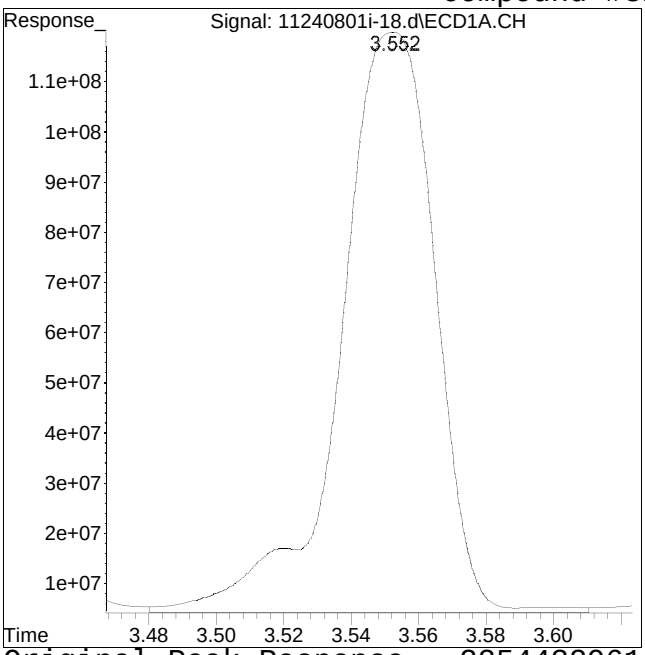
Original Peak Response = 409413310 Manual Peak Response = 400653006 M3

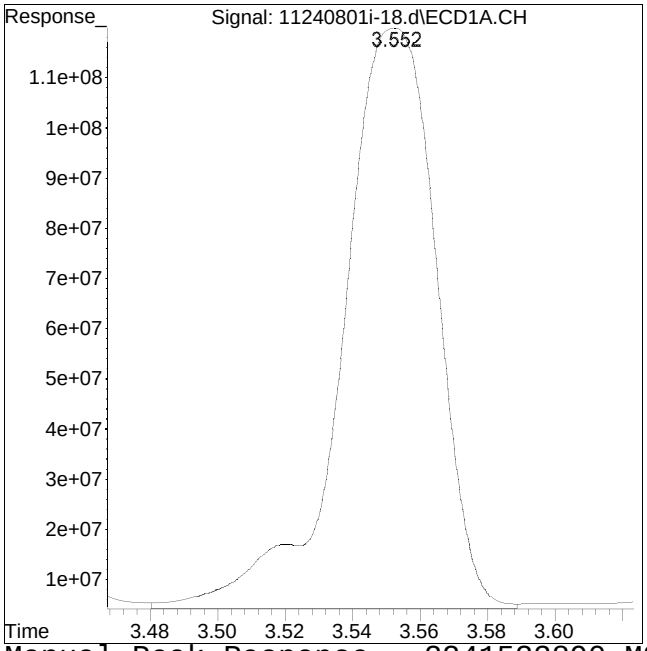
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-18.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:36 Instrument : Pest 11
Sample : il8chlor,42e,,pp 11690 L1.Quant Date : 8/2/2024 11:55 am

Compound #32: chlordane-5





Original Peak Response = 2254432961 Manual Peak Response = 2241533890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	225.5E6	184.1E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	675.3E6	585.8E6	1981.244	2009.090
30) l1	chlordane-3	2.867	3.423	788.9E6	650.4E6	1922.917M3	1939.223
31) l1	chlordane-4	3.425	4.105	2915.2E6	2486.4E6	1964.100	2020.689
32) l1	chlordane-5	3.552	4.275	4487.5E6	1905.6E6	1955.174	2019.653
Sum	chlordane-1			8866.9E6	5628.2E6	NoCal	NoCal D
Average	chlordane-1					1955.859	1997.164
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

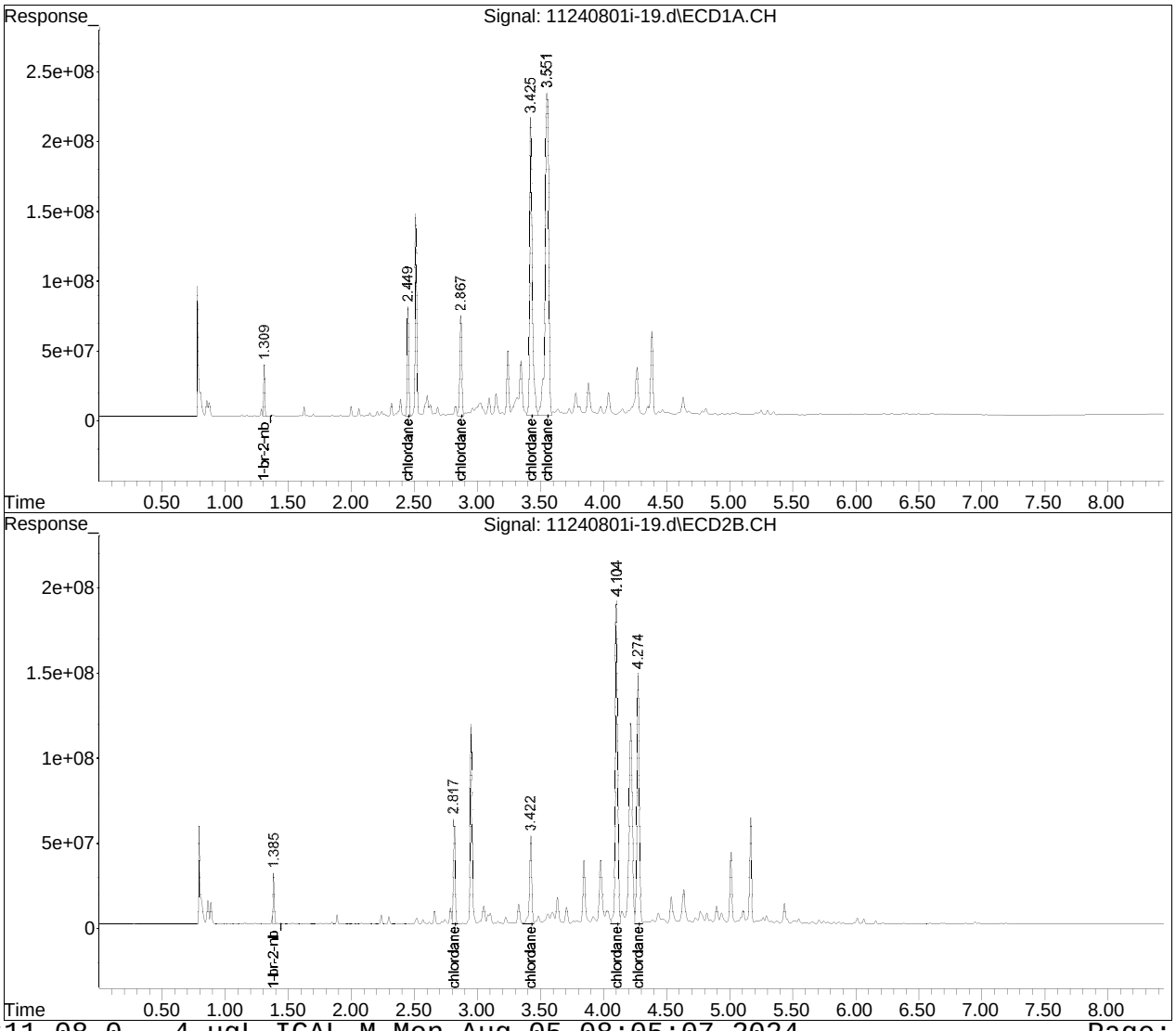
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 21:48
Operator : PEST11:ejl
Sample : il9chlor,42e,,pp 11689 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:06:31 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

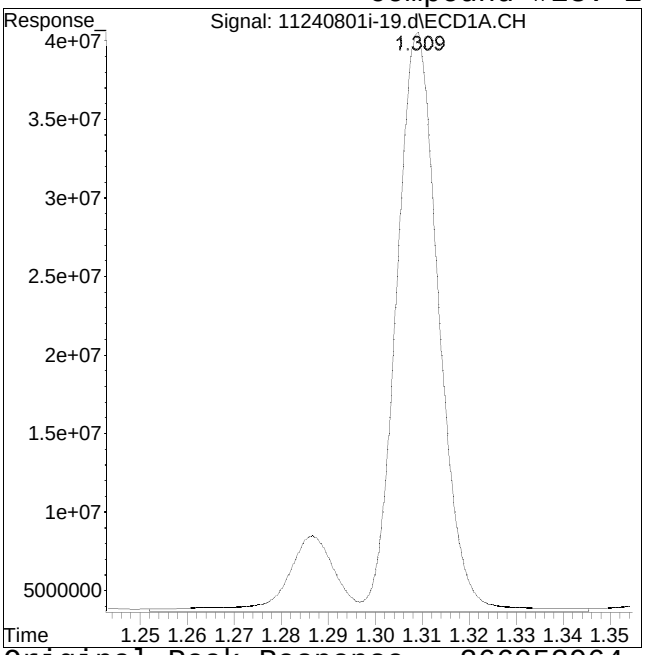
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

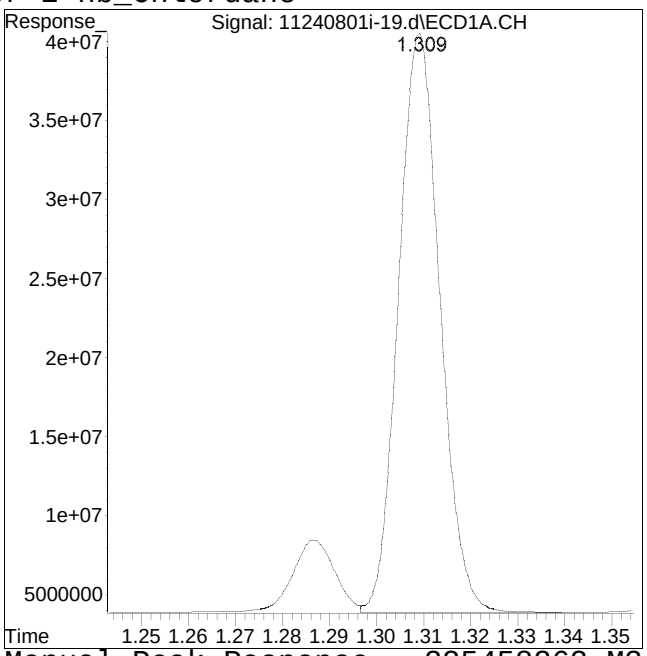


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-19.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:48 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/2/2024 12:06 pm

Compound #28: 1-br-2-nb_Chlordane





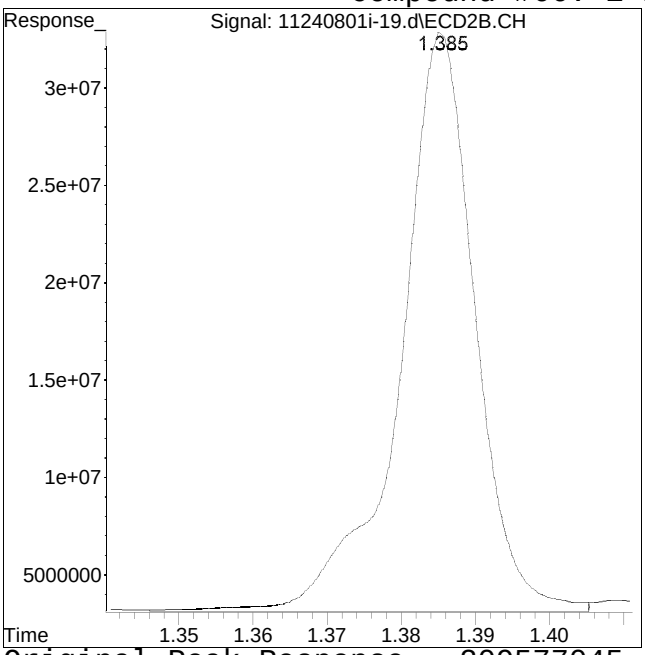
Original Peak Response = 266953964 Manual Peak Response = 225458262 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

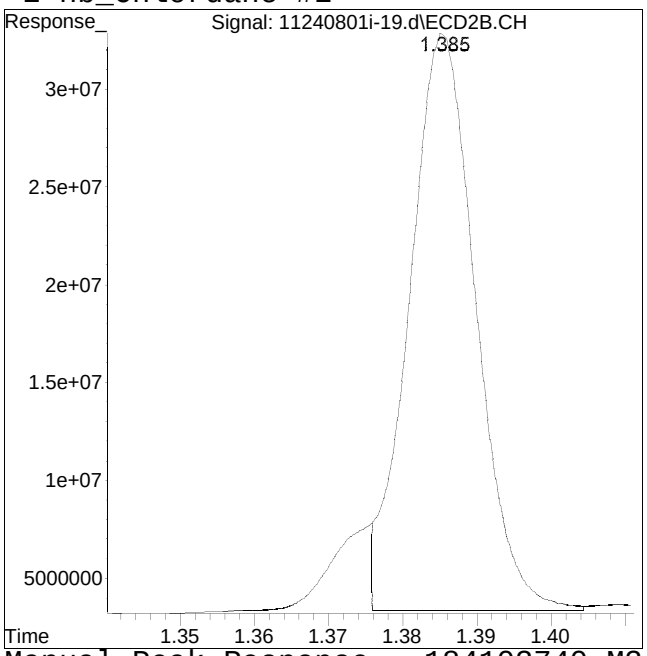
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-19.d
Date Inj'd : 8/1/2024 21:48
Sample : il9chlor,42e,,pp 11689 L2.

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:06 pm

Compound #66: 1-br-2-nb_Chlordane #2





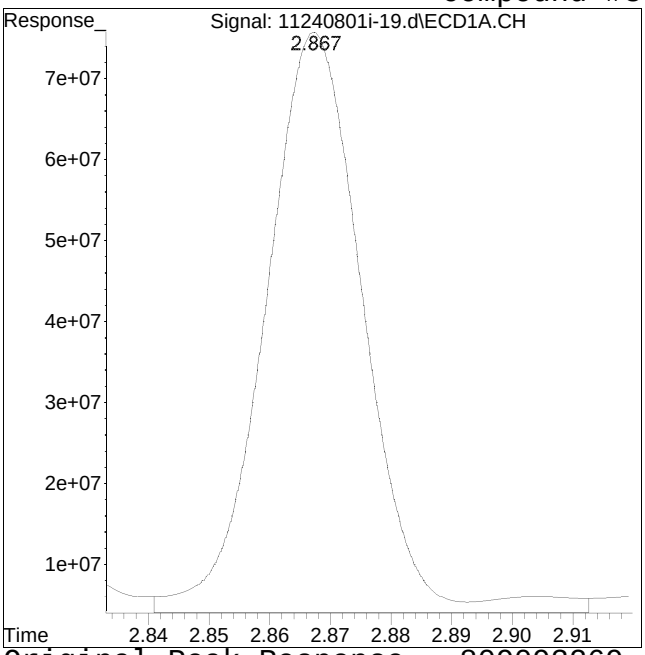
Original Peak Response = 209577045 Manual Peak Response = 184103740 M3

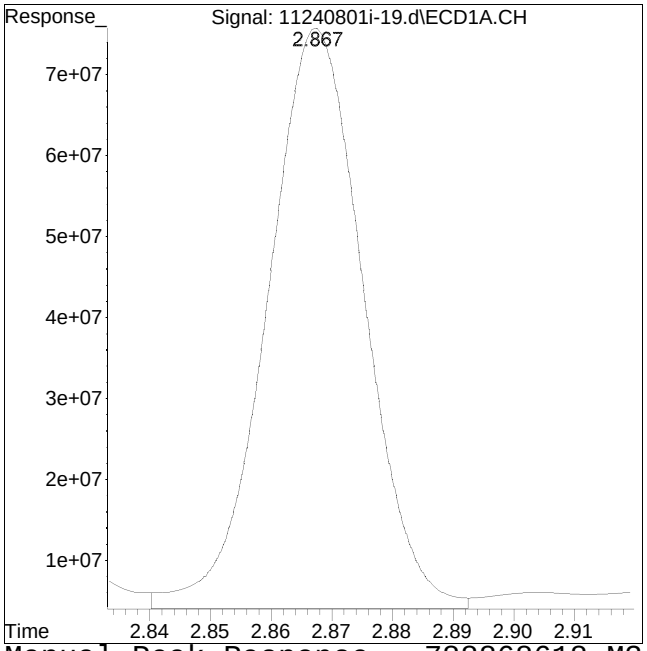
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-19.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 21:48 Instrument : Pest 11
Sample : il9chlor,42e,,pp 11689 L2.Quant Date : 8/2/2024 12:06 pm

Compound #30: chlordane-3





Original Peak Response = 809093269 Manual Peak Response = 788868618 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.386	240.1E6	211.3E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.818	1711.0E6	1485.0E6	4735.136	4428.395
30) l1	chlordane-3	2.868	3.422	1944.4E6	1582.5E6	4537.369	4174.870
31) l1	chlordane-4	3.425	4.105	7244.9E6	6226.2E6	4624.523	4386.798
32) l1	chlordane-5	3.553	4.275	11069.4E6	4784.6E6	4579.501M3	4397.515
Sum	chlordane-1			21969.7E6	14078.2E6	NoCal	NoCal D
Average	chlordane-1					4619.132	4346.894
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

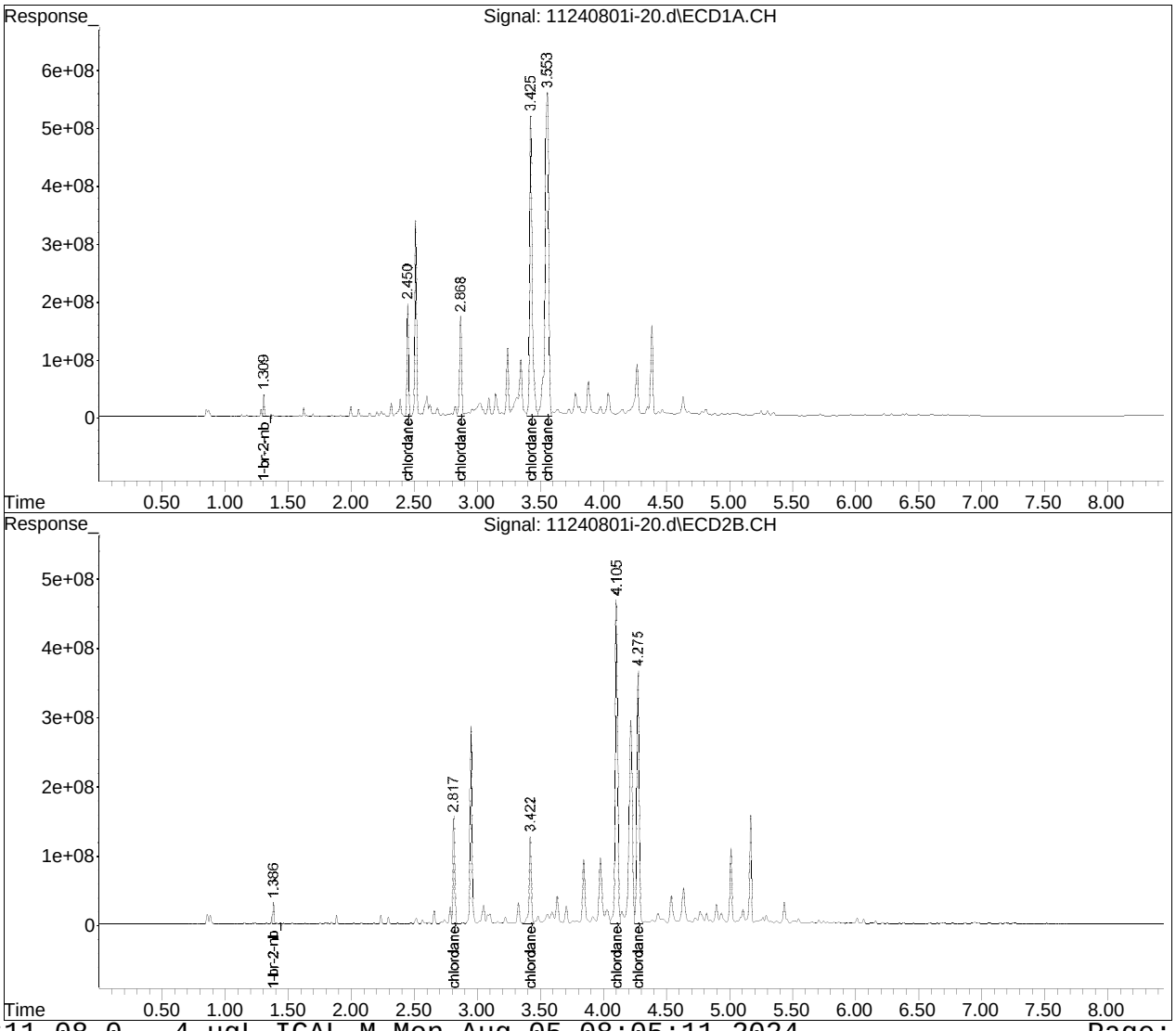
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:00
Operator : PEST11:ejl
Sample : il10chlor,42e,,pp 11688 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:07:47 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:07:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

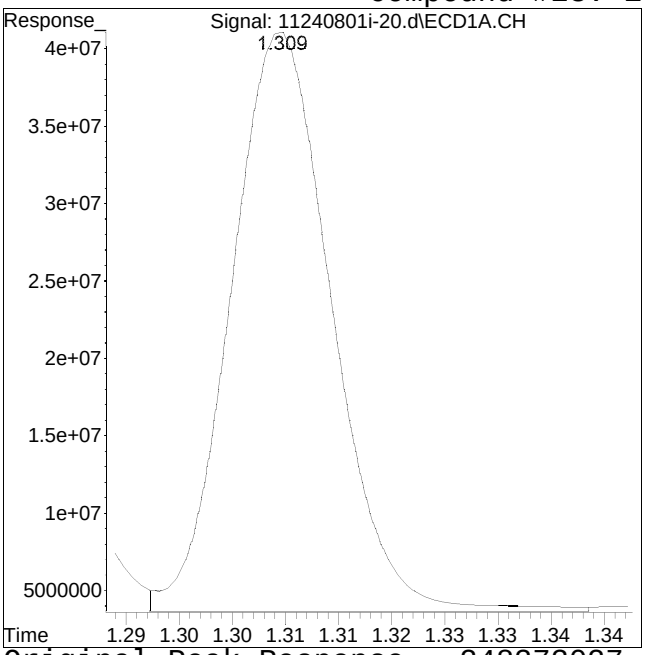


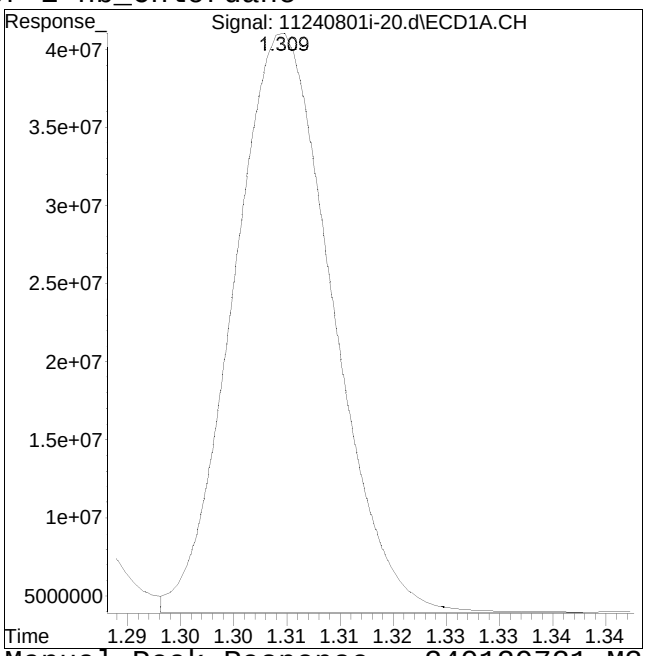
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-20.d
Date Inj'd : 8/1/2024 22:00
Sample : il10chlor,42e,,pp 11688 L5

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:07 pm

Compound #28: 1-br-2-nb_Chlordane





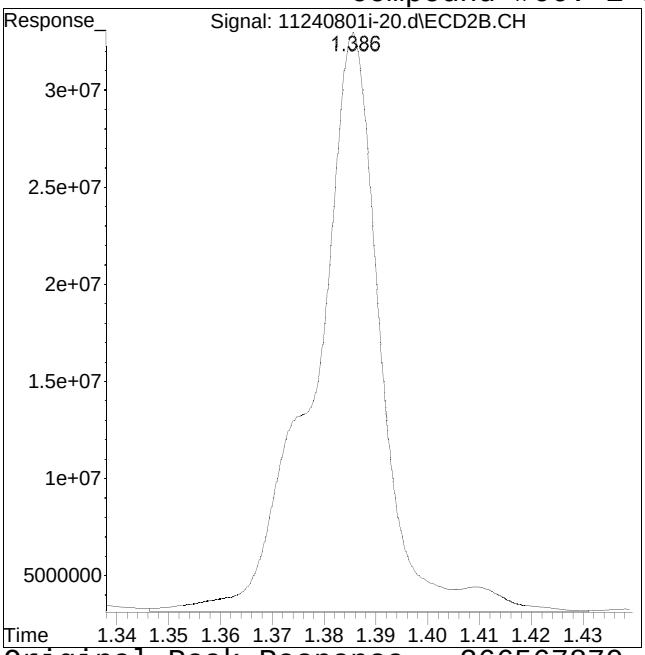
Original Peak Response = 248373027 Manual Peak Response = 240129721 M3

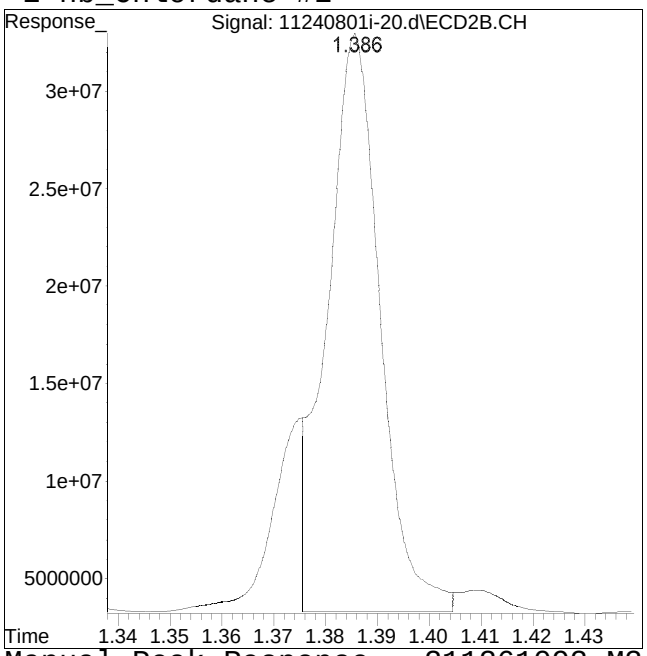
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-20.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:00 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 8/2/2024 12:07 pm

Compound #66: 1-br-2-nb_Chlordane #2



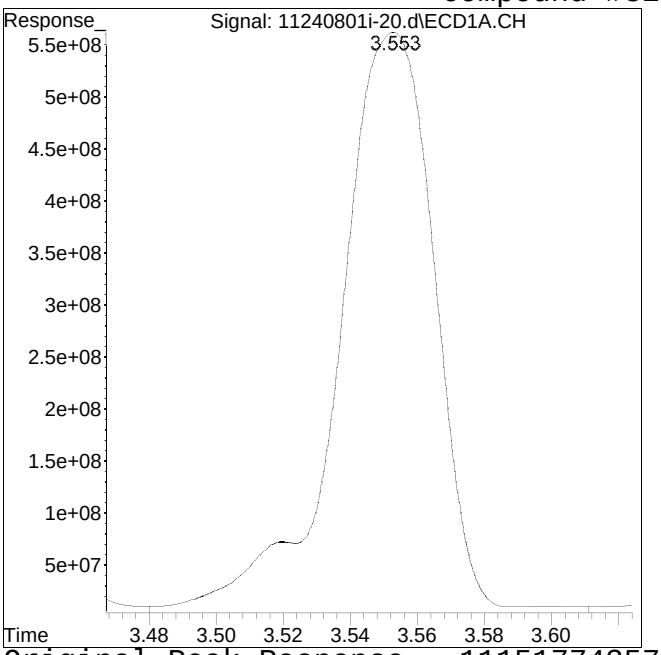


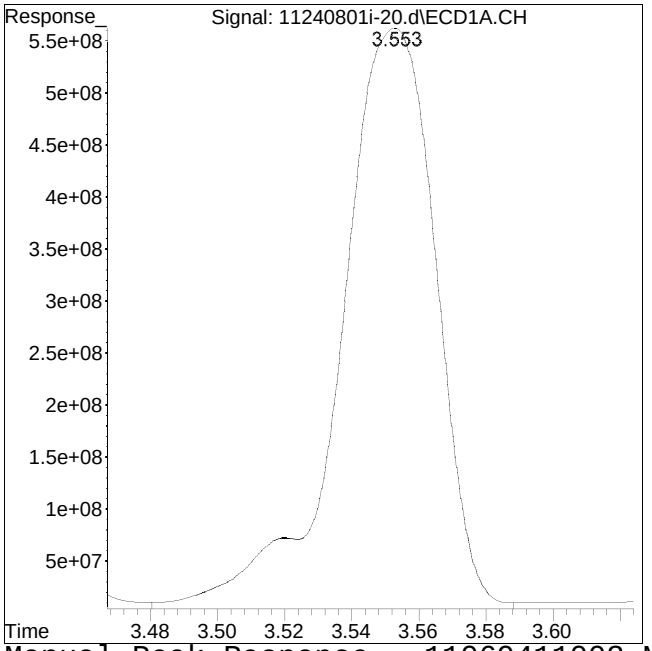
Original Peak Response = 266567870 Manual Peak Response = 211261092 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-20.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:00 Instrument : Pest 11
Sample : il10chlor,42e,,pp 11688 L5Quant Date : 8/2/2024 12:07 pm

Compound #32: chlordane-5





Original Peak Response = 11151774357 Manual Peak Response = 11069411003 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		*1000.000	910.442	9.0	86	0.00
30	l1	chlordane-3		*1000.000	925.102	7.5	84	0.00
31	l1	chlordane-4		*1000.000	883.809	11.6	82	0.00
32	l1	chlordane-5		*1000.000	991.186	0.9	91	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	96	0.00
29	l1	chlordane-1		*1000.000	944.301	5.6	85	0.00
30	l1	chlordane-3		*1000.000	973.540	2.6	84	0.00
31	l1	chlordane-4		*1000.000	893.716	10.6	80	0.00
32	l1	chlordane-5		*1000.000	877.017	12.3	79	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.31#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.65#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.96#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.17#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.22#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.35#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.76#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.69#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.21#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.32#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.45#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.87#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.10#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.16#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.26#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.49#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.29#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.31#
34	l2	toxaphene-2	*	0.050	0.000	100.0#	0#	-4.44#
35	l2	toxaphene-3	*	0.039	0.000	100.0#	0#	-4.57#
36	l2	toxaphene-4	*	0.042	0.000	100.0#	0#	-4.79#
37	l2	toxaphene-5	*	0.043	0.000	100.0#	0#	-5.17#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.27#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.56#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.62#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.89#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample   : cicvchlor,42e,,pp 11670 L1.0ICV
Misc   : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.95#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.27#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.15#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.51#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.88#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.10#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.27#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.47#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.34#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.63#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.93#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-5.05#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.13#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.33#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.42#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.89#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.02#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.65#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-6.06#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.92#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.39#
34	l2	toxaphene-2	*	0.025	0.000	100.0#	0#	-5.08#
35	l2	toxaphene-3	*	0.037	0.000	100.0#	0#	-5.11#
36	l2	toxaphene-4	*	0.044	0.000	100.0#	0#	-5.43#
37	l2	toxaphene-5	*	0.042	0.000	100.0#	0#	-5.84#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.309	1.385	215.4E6	177.1E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.450	2.817	285.6E6	248.8E6	910.442	944.301
30) l1	chlordane-3	2.868	3.422	337.4E6	282.0E6	925.102	973.540
31) l1	chlordane-4	3.426	4.105	1185.4E6	988.3E6	883.809	893.716
32) l1	chlordane-5	3.550	4.275	2040.5E6	745.1E6	991.186	877.017
Sum	chlordane-1			3848.9E6	2264.2E6	NoCal	NoCal D
Average	chlordane-1					927.635	922.144
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

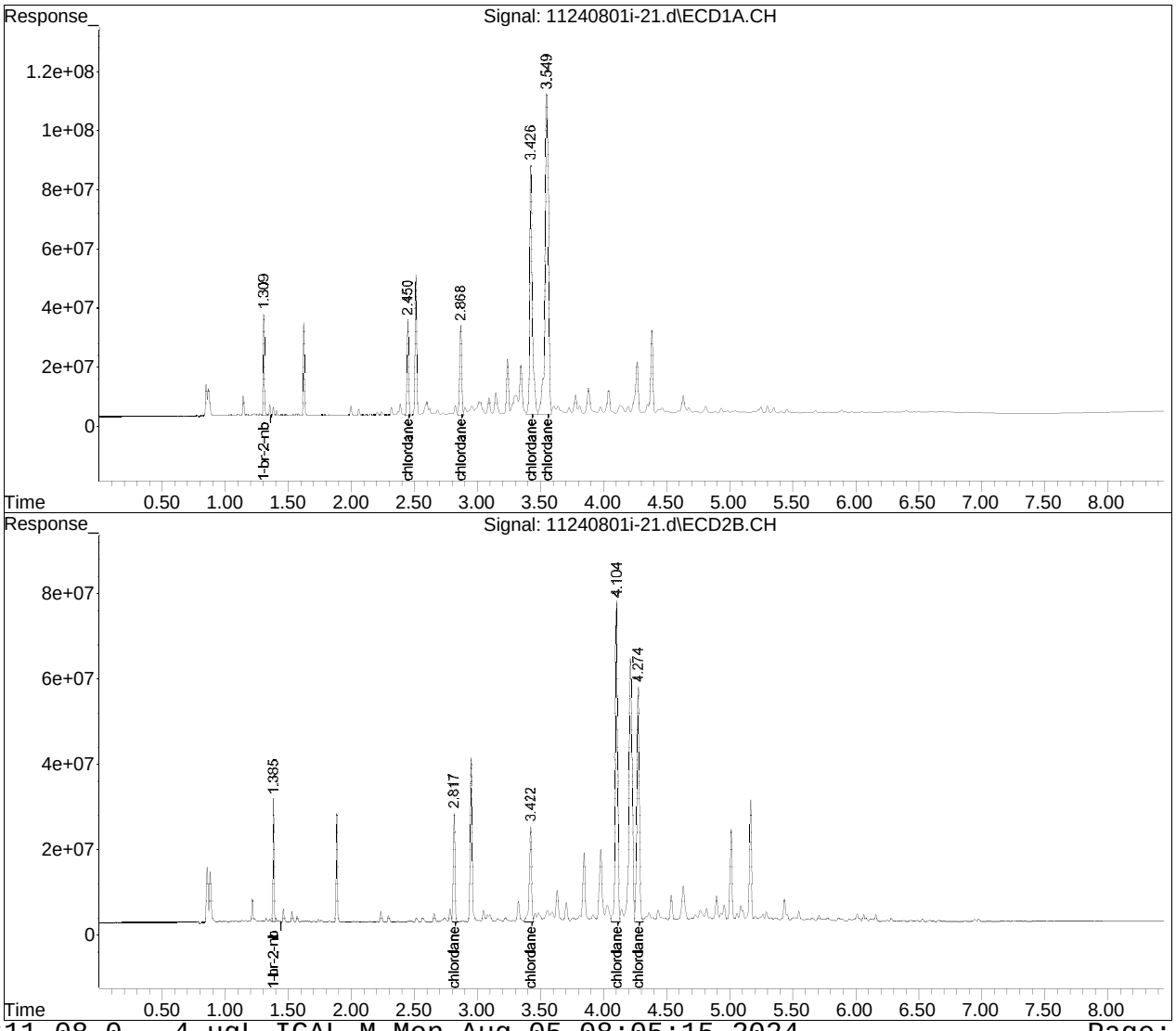
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:12
Operator : PEST11:ejl
Sample : cicvchlor,42e,,pp 11670 L1.0ICV
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:16:29 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:16:29 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

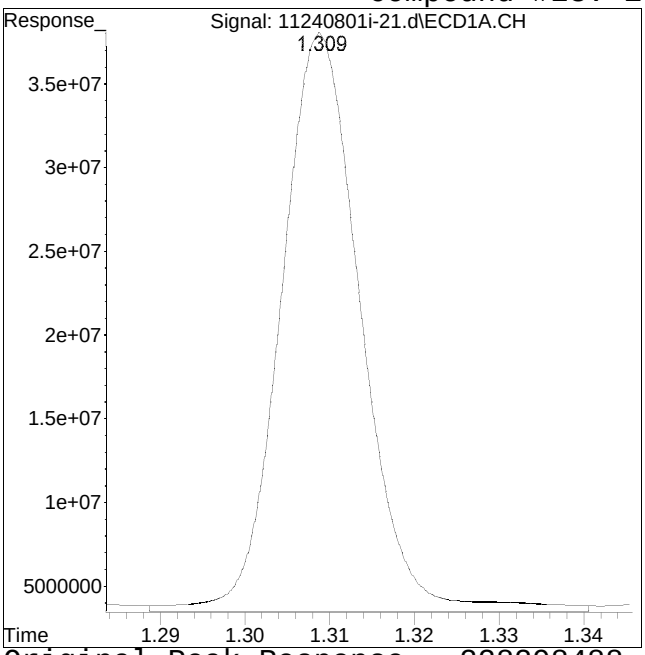
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

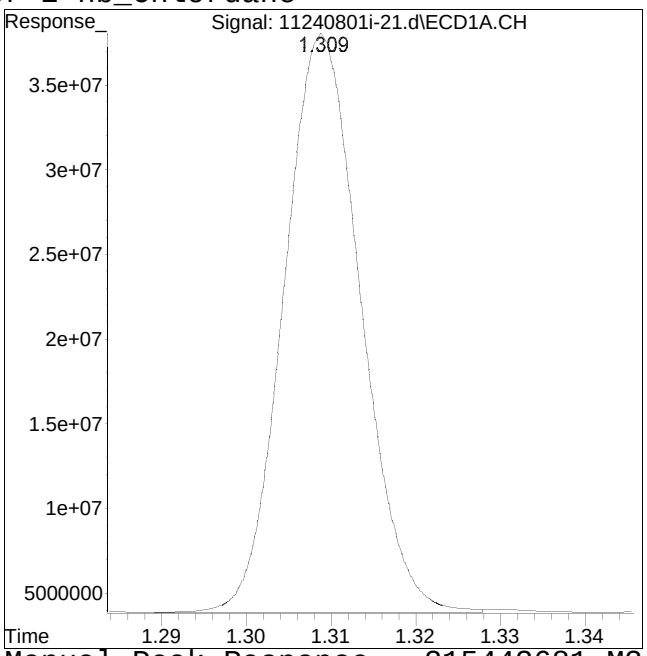


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-21.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:12 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/2/2024 12:16 pm

Compound #28: 1-br-2-nb_Chlordane



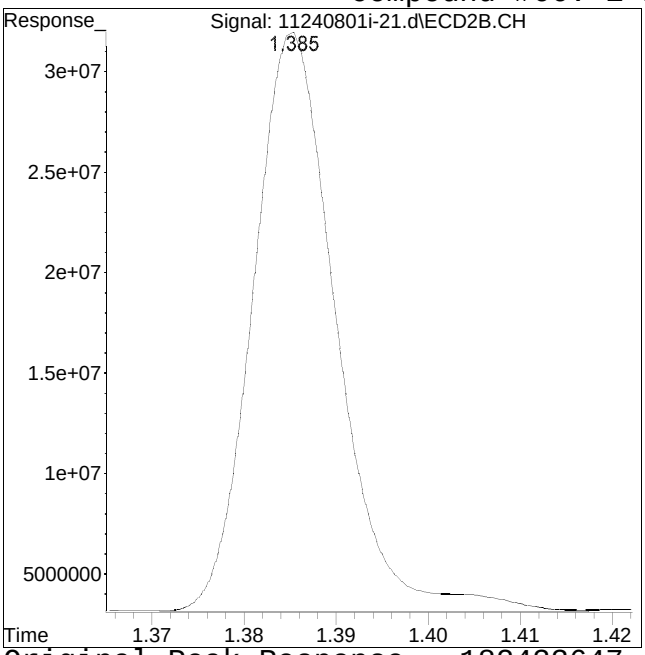


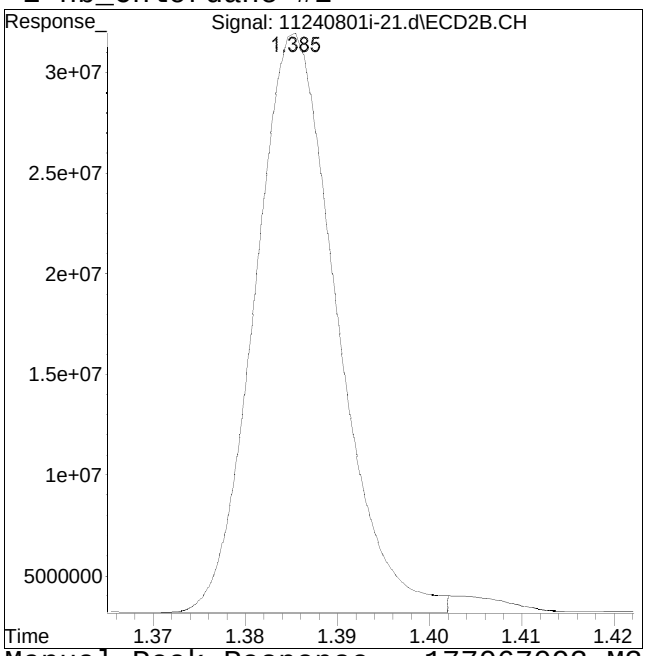
Original Peak Response = 228298488 Manual Peak Response = 215443681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-21.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:12 Instrument : Pest 11
Sample : cicvchlor,42e,,pp 11670 L1Quant Date : 8/2/2024 12:16 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 182433647 Manual Peak Response = 177067093 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	207.9E6	171.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D.	N.D.
10) t	Alachlor	0.000	0.000	0	0	N.D.	N.D.
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
12) t	Heptachlor E	0.000	0.000	0	0	N.D.	N.D.
13) t	gamma-Chlord	0.000	0.000	0	0	N.D.	N.D.
14) t	alpha-Chlord	0.000	0.000	0	0	N.D.	N.D.
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D.	N.D.
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D.	N.D.
31) l1	chlordane-4	0.000	0.000	0	0	N.D.	N.D.
32) l1	chlordane-5	0.000	0.000	0	0	N.D.	N.D.
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	6298815	3783276	14.276	22.443
35) l2	toxaphene-3	4.566	5.112	5311161	5766534	15.580	23.257
36) l2	toxaphene-4	4.792	5.429	6754862	6780894	19.276M3	23.080
37) l2	toxaphene-5	5.168	5.836	8888706	6922230	26.745M4	25.343
Sum	toxaphene-2			27253545	23252934	75.878	94.123
Average	toxaphene-2					18.970	23.531

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			27253545	23252934	75.878	94.123
Average	toxaphene-2					18.970	23.531

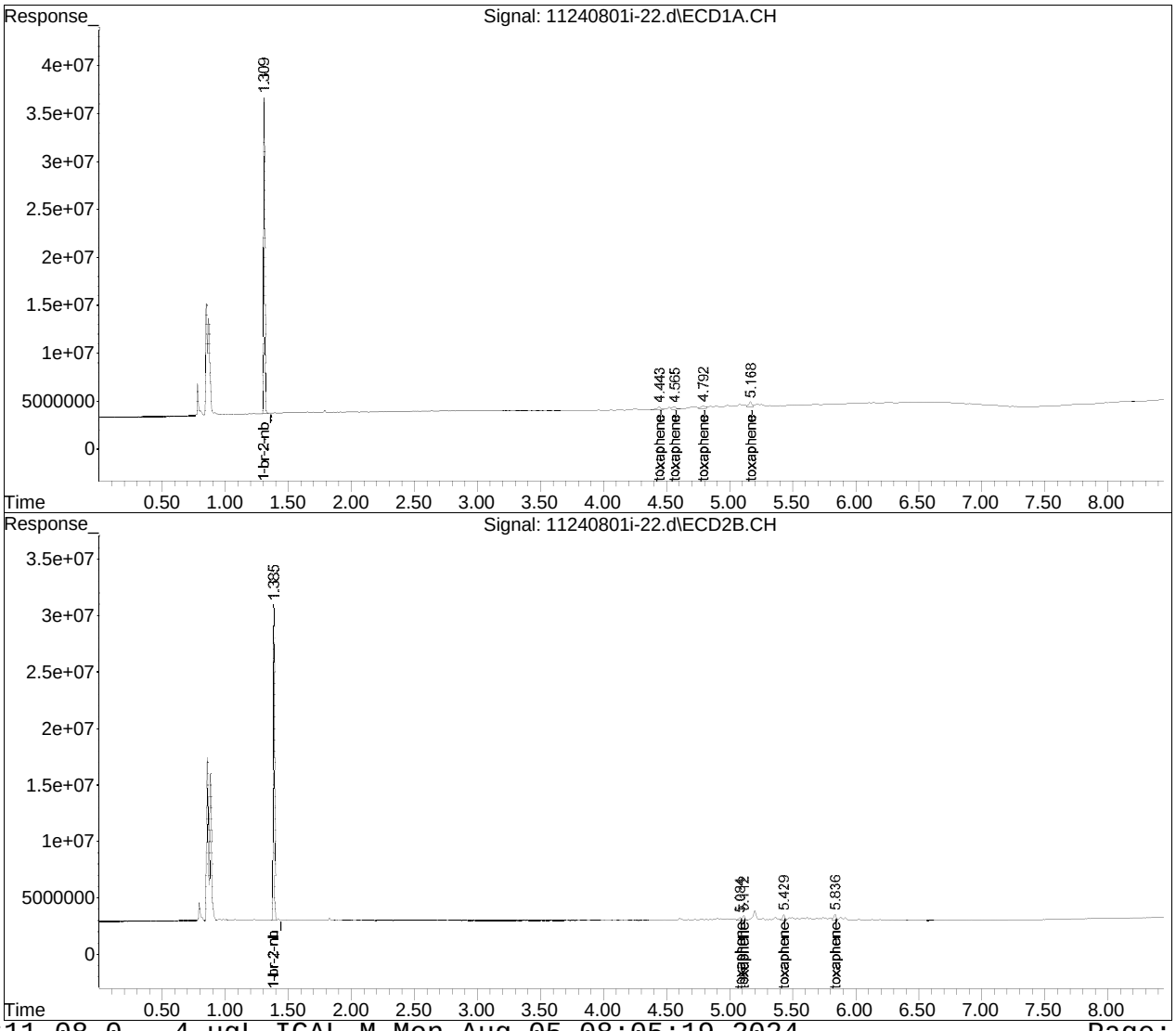
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:24
Operator : PEST11:ejl
Sample : il3tox,42e,,pp 11703 L0.02
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:25:16 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:25:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

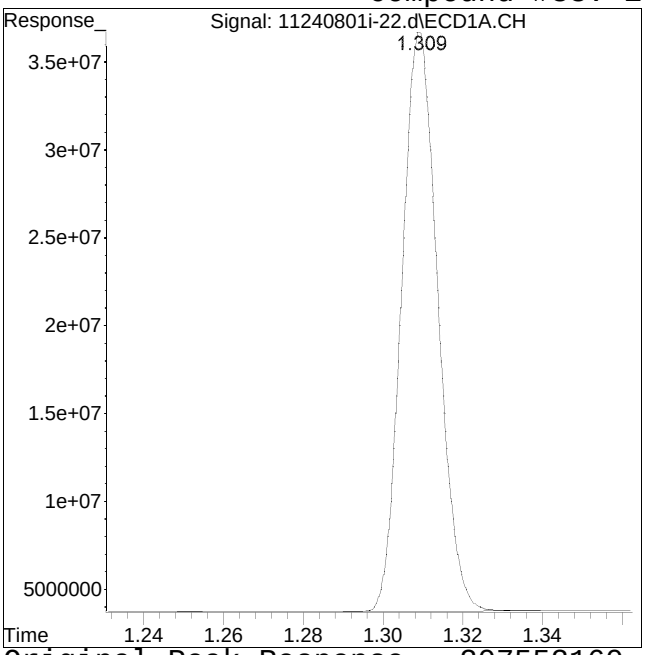


Manual Integration Report

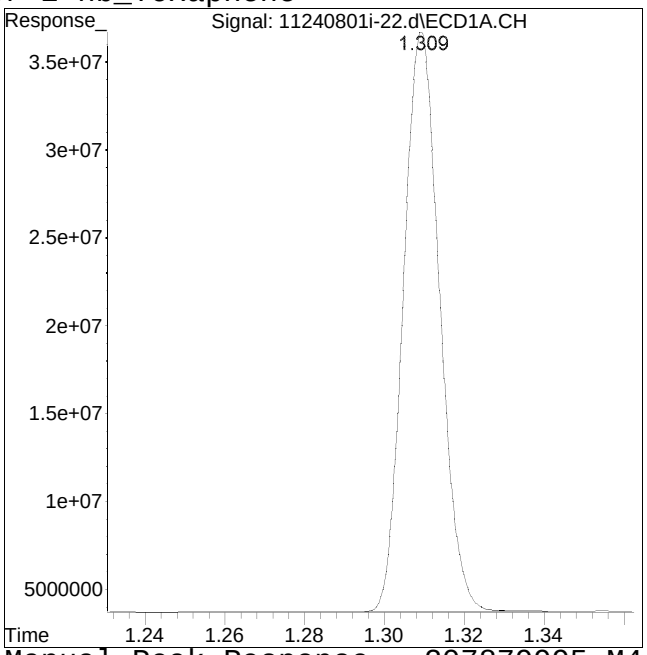
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 207552160



Manual Peak Response = 207879995 M4

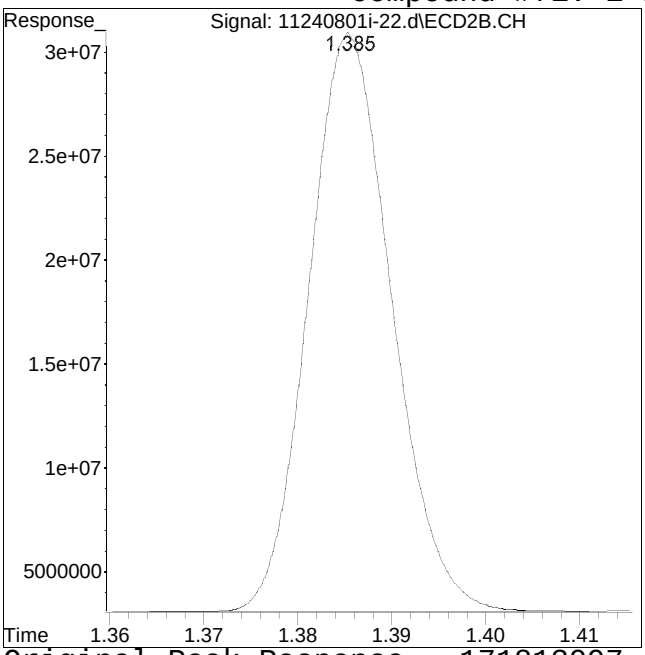
M4 = Poor automated baseline construction.

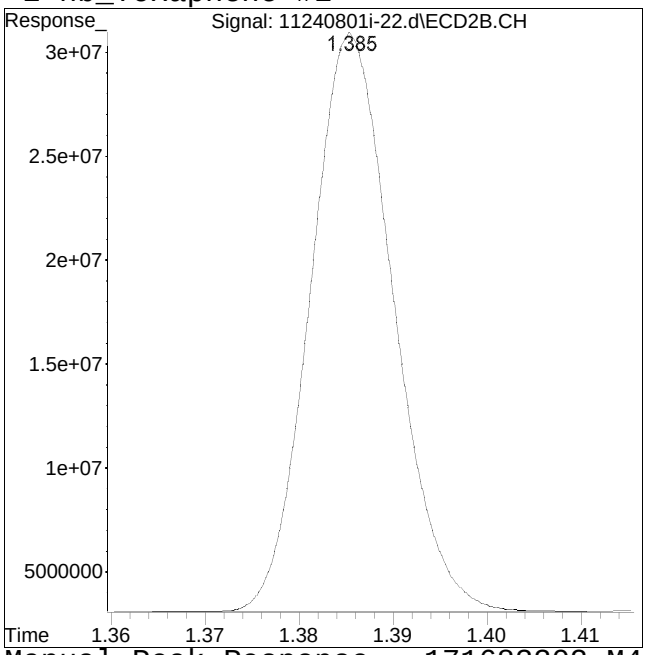
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #71: 1-br-2-nb_Toxaphene #2



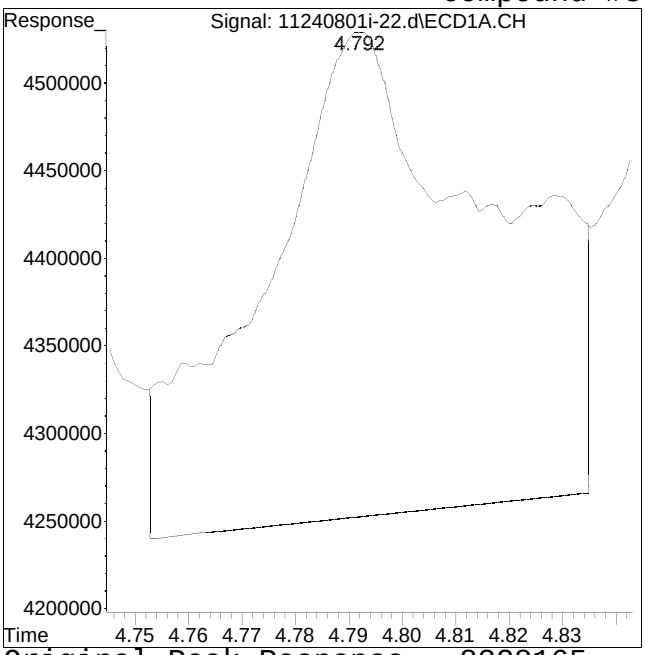


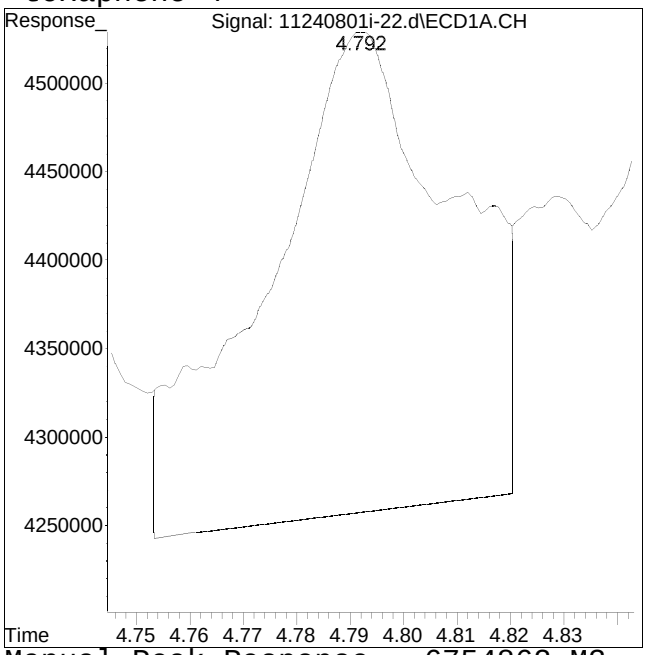
Original Peak Response = 171813997 Manual Peak Response = 171683302 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801Q Method : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-22.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:24 Instrument : Pest 11
Sample : il3tox,42e,,pp 11703 L0.02 Quant Date : 8/2/2024 12:25 pm

Compound #36: toxaphene-4





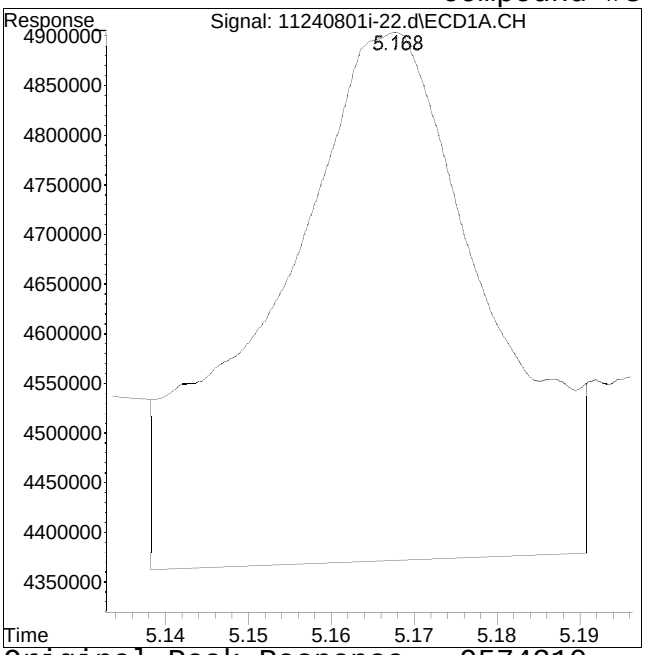
Original Peak Response = 8328165 Manual Peak Response = 6754862 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

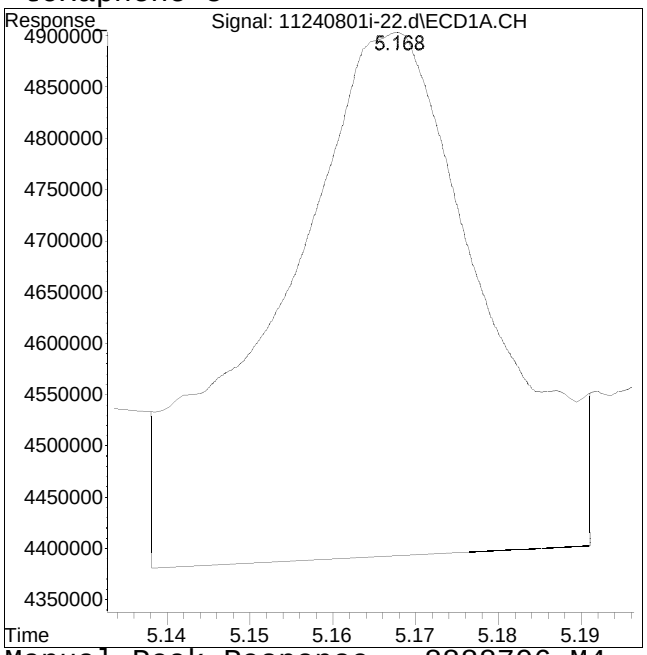
Data Path : I:\PEST\Pest11\2024\240801Q
Data File : 11240801i-22.d
Date Inj'd : 8/1/2024 22:24
Sample : il3tox,42e,,pp 11703 L0.02

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:ejl
Instrument : Pest 11
Quant Date : 8/2/2024 12:25 pm

Compound #37: toxaphene-5



Original Peak Response = 9574210



Manual Peak Response = 8888706 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	214.5E6	175.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D.	N.D.
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D.	N.D.
7) t	delta-BHC	0.000	0.000	0	0	N.D.	N.D.
8) t	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D.	N.D.
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	39578469	19576926	83.312	119.105
35) l2	toxaphene-3	4.566	5.112	30033204	28384507	81.420	116.744
36) l2	toxaphene-4	4.791	5.429	33900580	32843972	91.845M3	112.974
37) l2	toxaphene-5	5.168	5.836	35593892	31255677	105.126	116.675
Sum	toxaphene-2			139.1E6	112.1E6	361.703	465.498
Average	toxaphene-2					90.426	116.374

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			139.1E6	112.1E6	361.703	465.498
Average	toxaphene-2					90.426	116.374

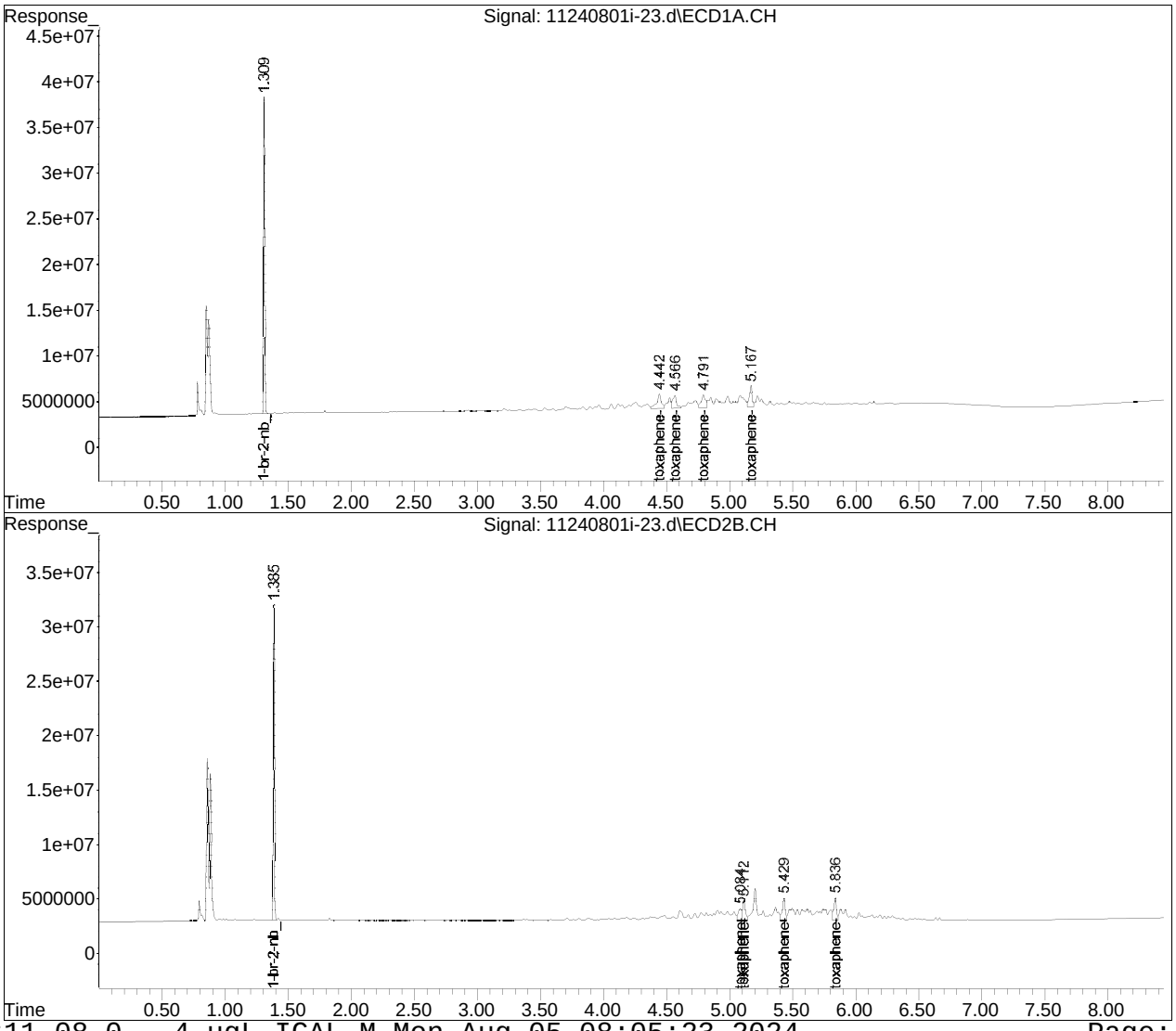
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:36
Operator : PEST11:ejl
Sample : il4tox,42e,,pp 11702 L0.1
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:57 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:23:47 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

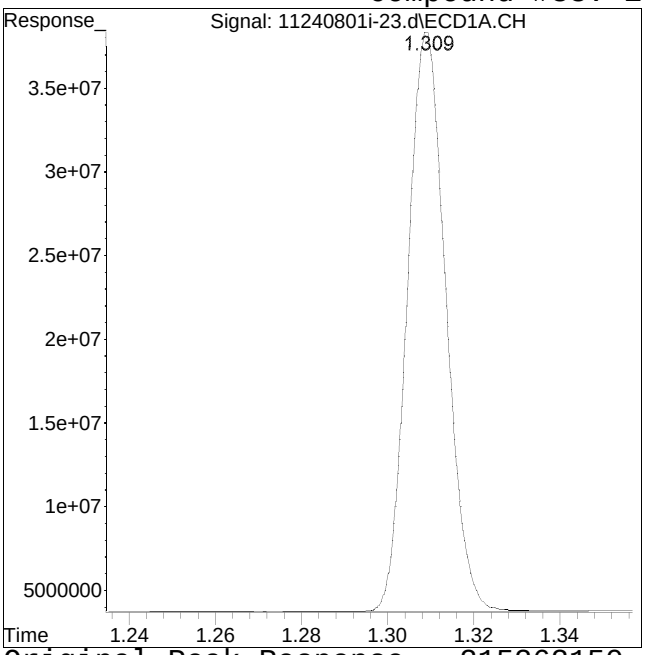
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

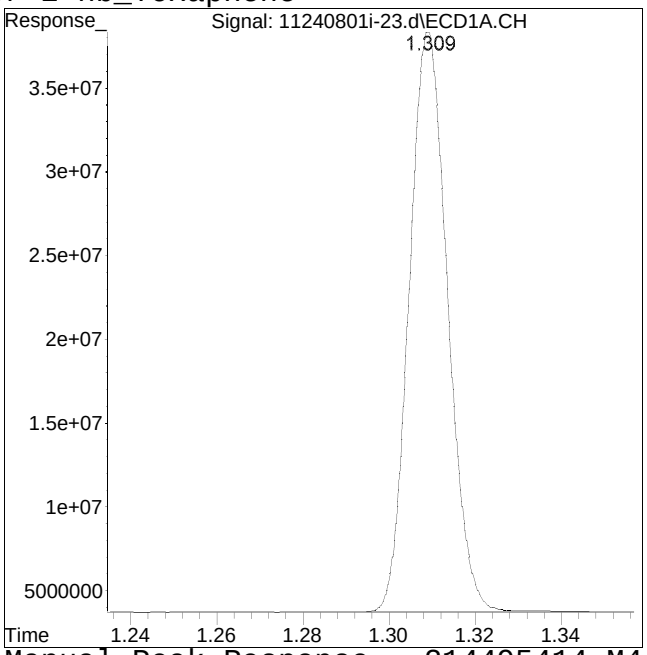


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #33: 1-br-2-nb_Toxaphene



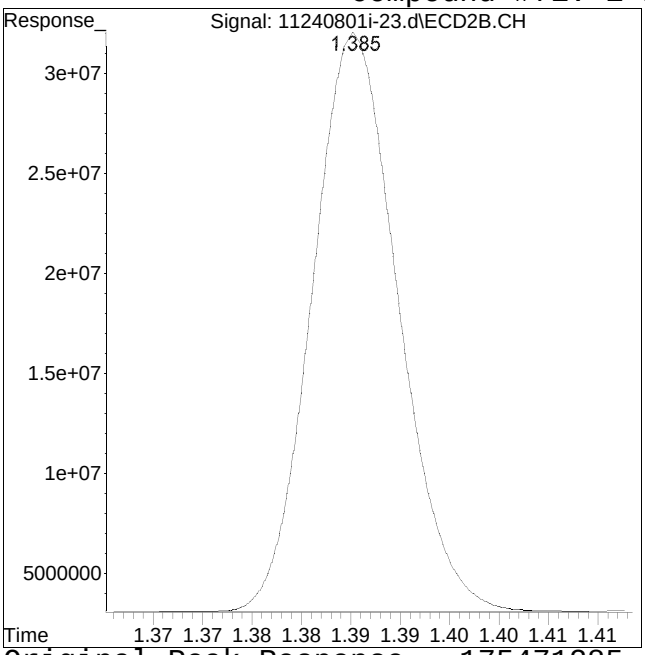


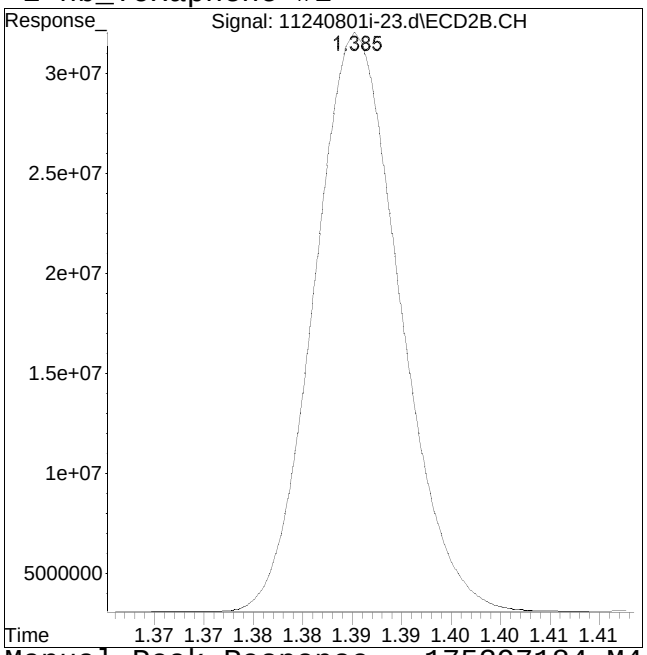
Original Peak Response = 215262150 Manual Peak Response = 214495414 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #71: 1-br-2-nb_Toxaphene #2



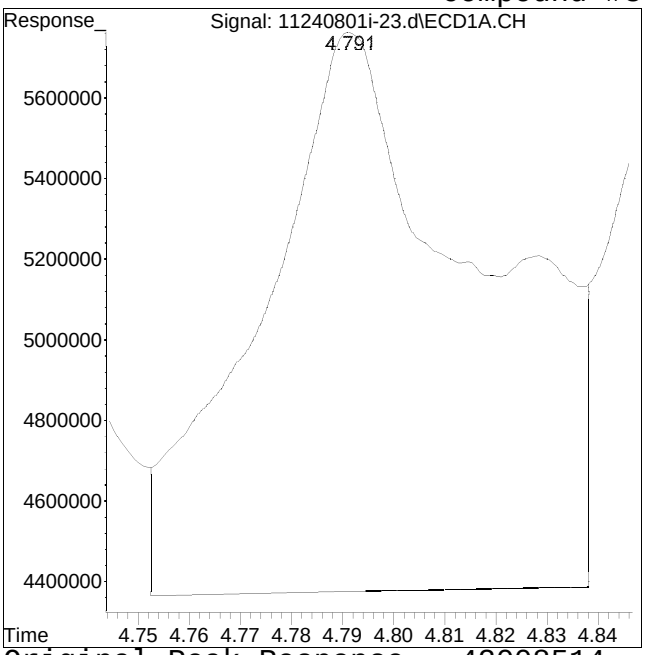


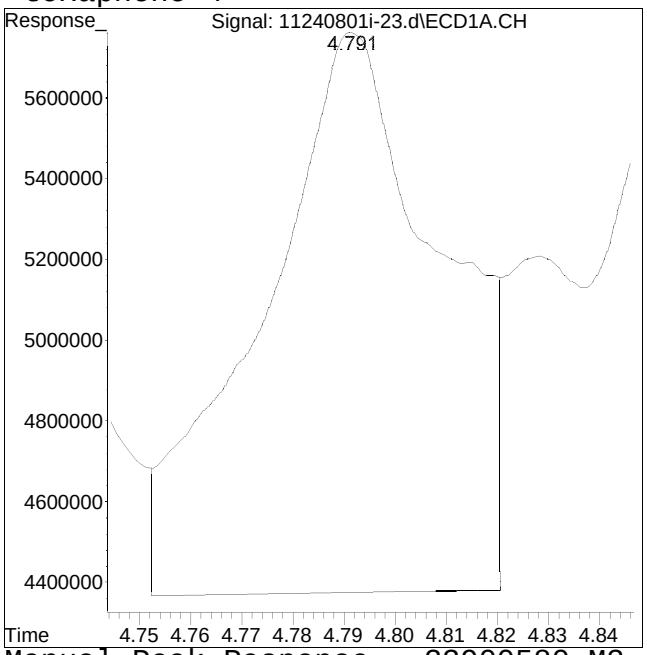
Original Peak Response = 175471285 Manual Peak Response = 175397184 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-23.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:36 Instrument : Pest 11
Sample : il4tox,42e,,pp 11702 L0.1 Quant Date : 8/2/2024 12:23 pm

Compound #36: toxaphene-4





Original Peak Response = 42008514 Manual Peak Response = 33900580 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	217.4E6	172.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D.	N.D.
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.442	5.084	475.5E6	162.1E6	981.231	1002.404
35) l2	toxaphene-3	4.566	5.112	362.8E6	238.4E6	956.095	993.623
36) l2	toxaphene-4	4.792	5.429	362.1E6	283.2E6	952.261	983.638
37) l2	toxaphene-5	5.167	5.836	340.4E6	261.1E6	987.487	984.711
Sum	toxaphene-2			1540.8E6	944.9E6	3877.074	3964.377
Average	toxaphene-2					969.268	991.094

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			1540.8E6	944.9E6	3877.074	3964.377
Average	toxaphene-2					969.268	991.094

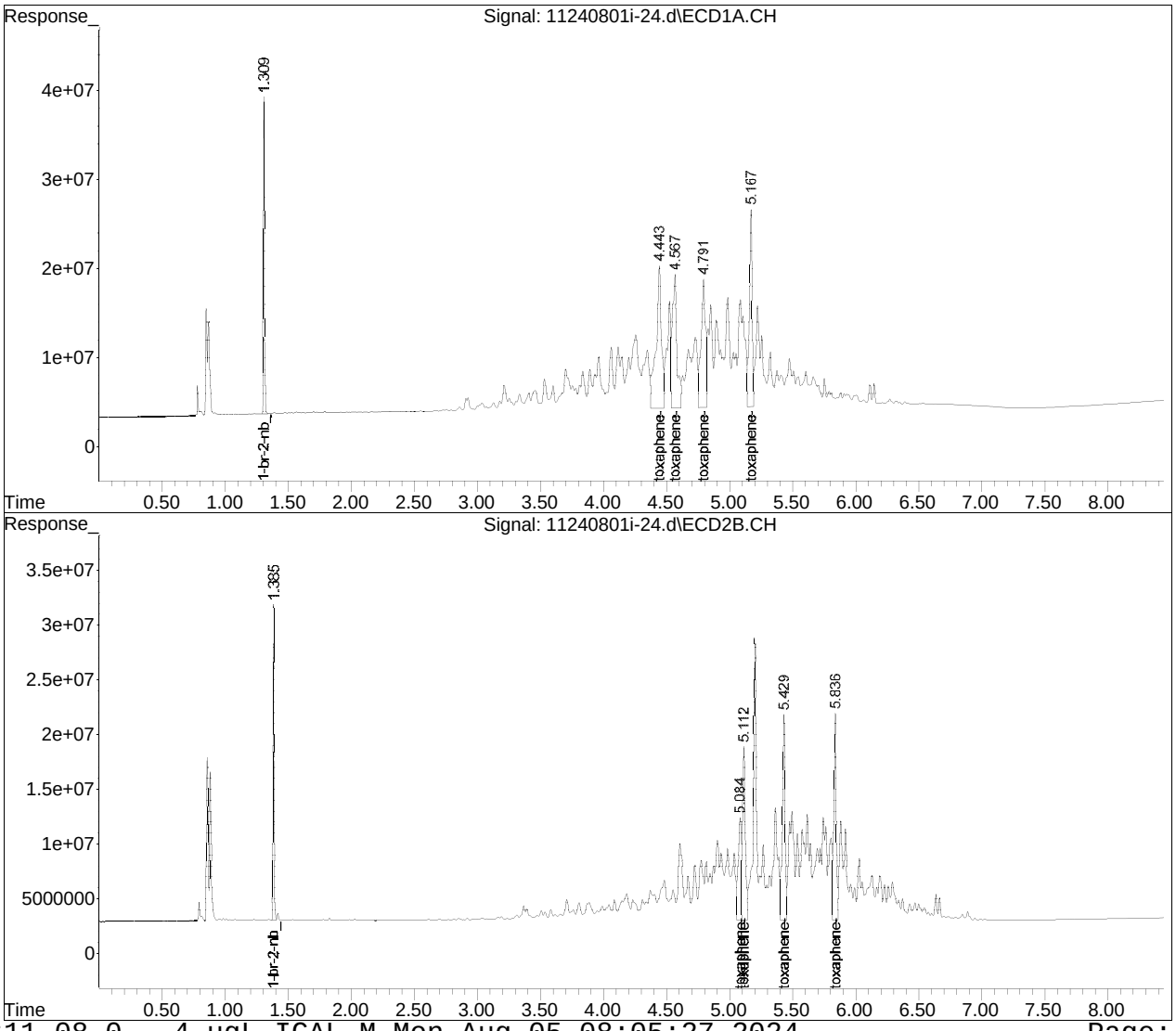
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:47
Operator : PEST11:ejl
Sample : il7tox,42e,,pp 11701 L1.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:23:05 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:22:58 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

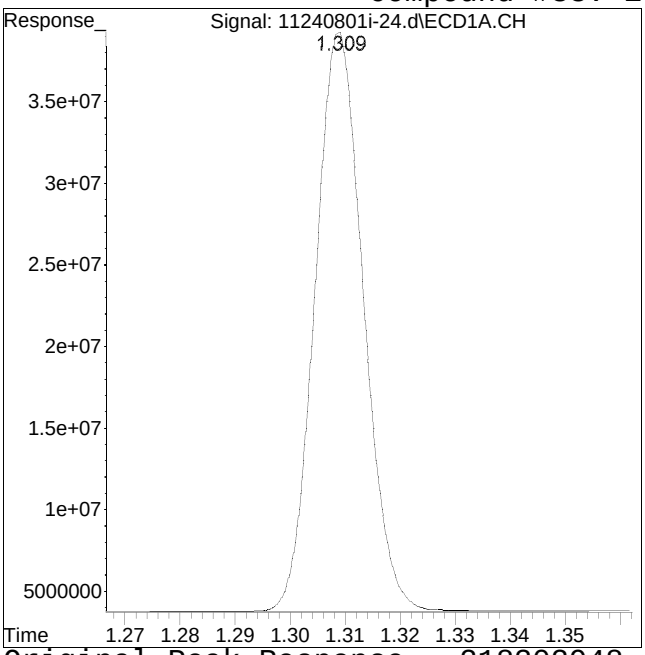
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

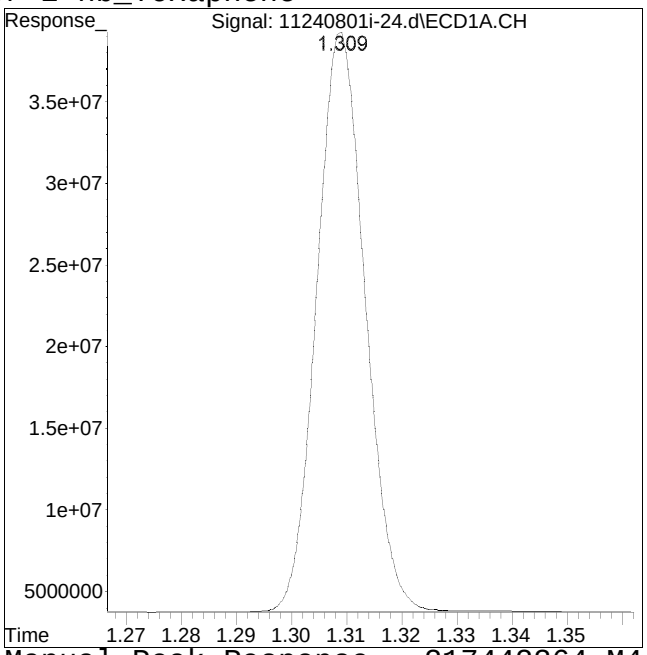


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-24.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:47 Instrument : Pest 11
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/2/2024 12:23 pm

Compound #33: 1-br-2-nb_Toxaphene



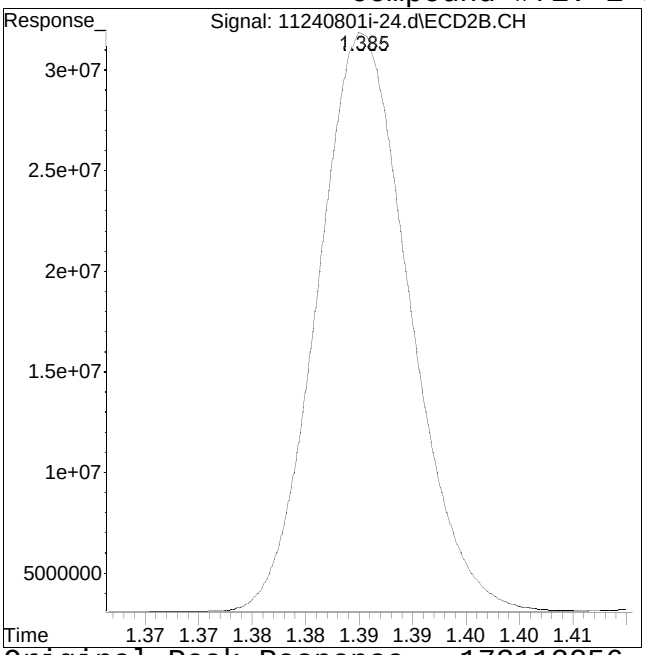


Original Peak Response = 218302948 Manual Peak Response = 217442364 M4
M4 = Poor automated baseline construction.

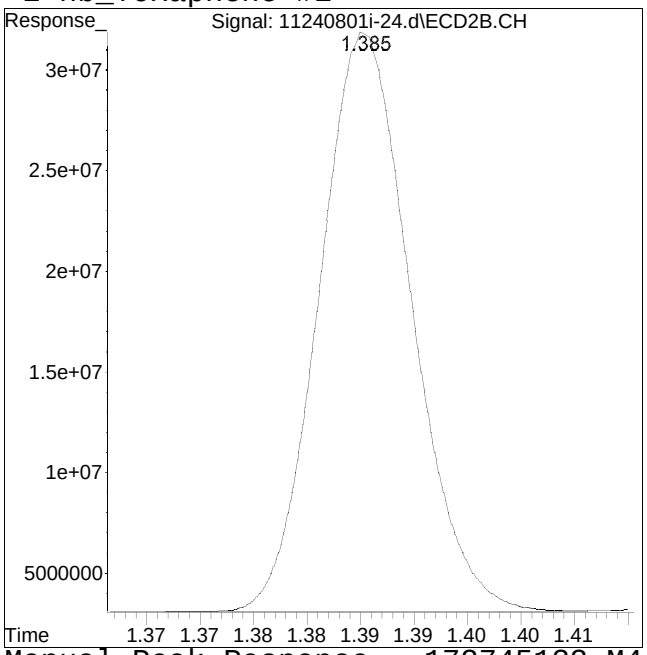
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-24.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:47 Instrument : Pest 11
Sample : il7tox,42e,,pp 11701 L1.0 Quant Date : 8/2/2024 12:23 pm

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 173112256



Manual Peak Response = 172745133 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.385	226.5E6	177.8E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	1003.1E6	329.8E6	NoCal	NoCal
35) l2	toxaphene-3	4.567	5.112	782.8E6	491.2E6	NoCal M3	NoCal
36) l2	toxaphene-4	4.792	5.429	774.4E6	585.9E6	NoCal	NoCal
37) l2	toxaphene-5	5.168	5.836	711.9E6	540.3E6	NoCal	NoCal
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

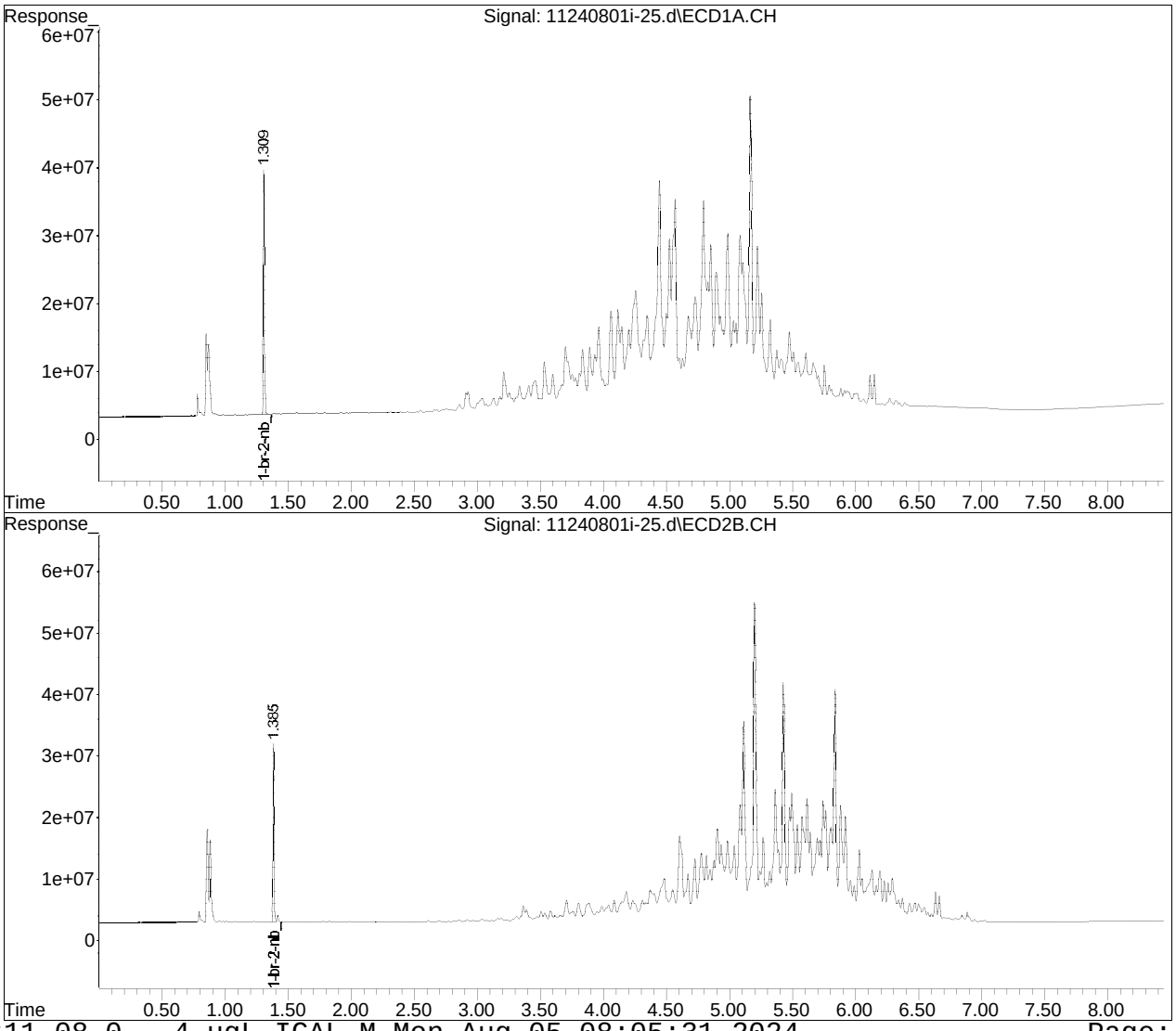
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-25.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 22:59
Operator : PEST11:ejl
Sample : il8tox,42e,,pp 11700 L2.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:20:35 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:20:26 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

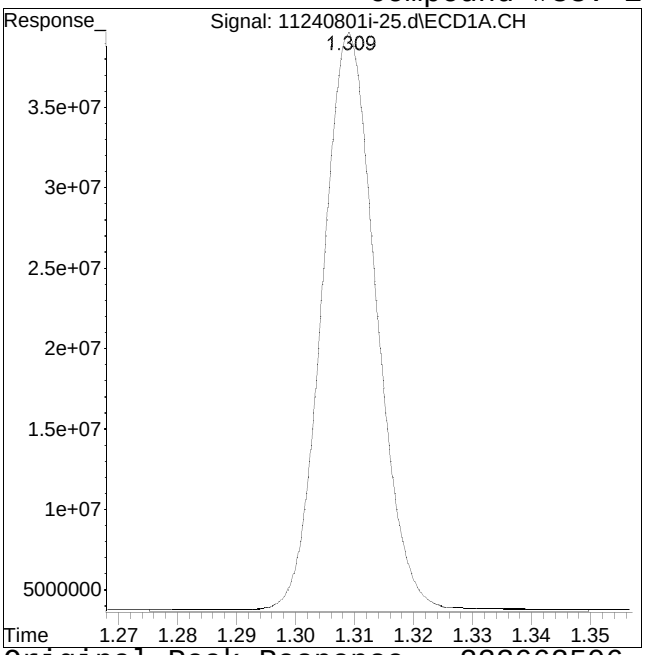
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

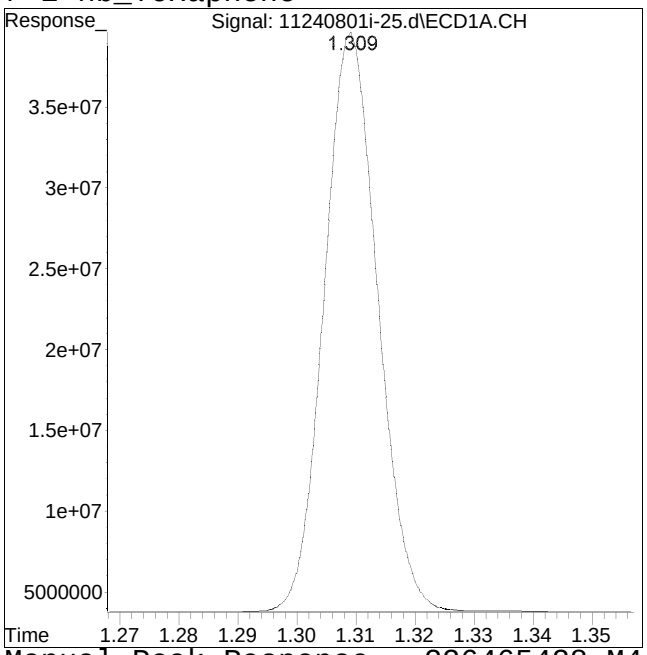


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-25.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:59 Instrument : Pest 11
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/2/2024 12:20 pm

Compound #33: 1-br-2-nb_Toxaphene



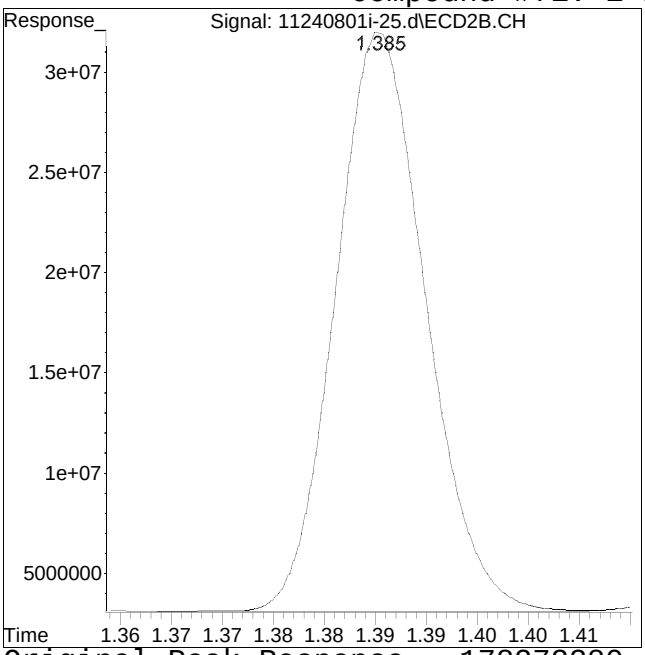


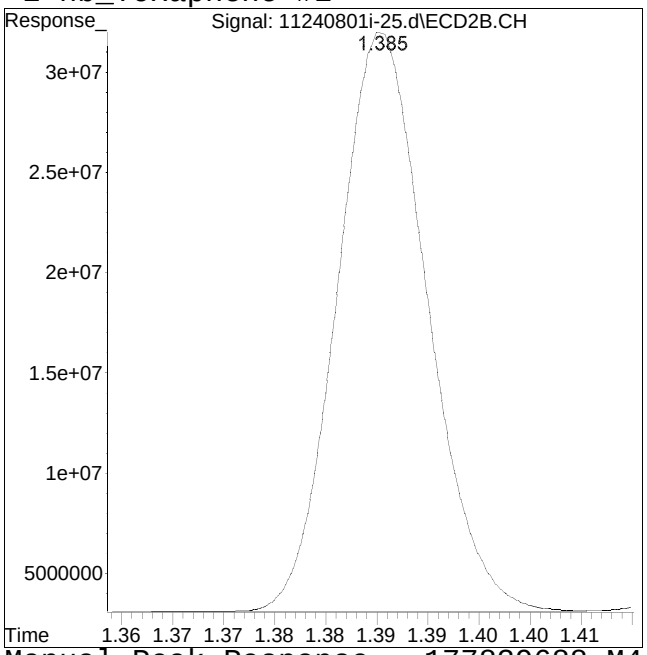
Original Peak Response = 233662506 Manual Peak Response = 226465428 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-25.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:59 Instrument : Pest 11
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/2/2024 12:20 pm

Compound #71: 1-br-2-nb_Toxaphene #2



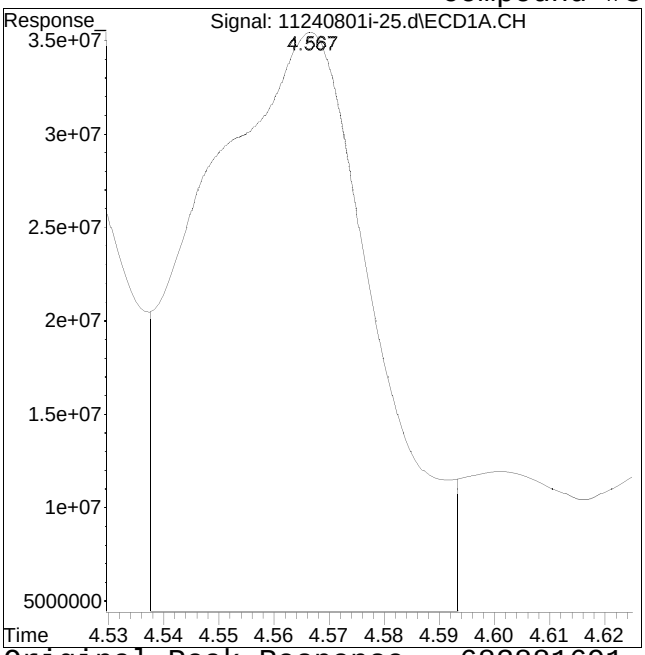


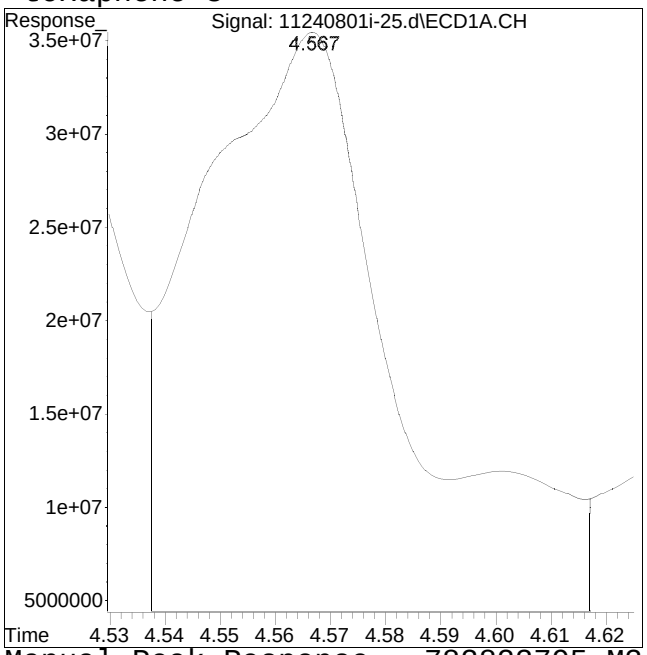
Original Peak Response = 178272380 Manual Peak Response = 177839688 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-25.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 22:59 Instrument : Pest 11
Sample : il8tox,42e,,pp 11700 L2.0 Quant Date : 8/2/2024 12:20 pm

Compound #35: toxaphene-3





Original Peak Response = 683881691 Manual Peak Response = 782823795 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.386	224.3E6	174.1E6	25.000M3	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.442	5.084	2515.7E6	823.1E6	5063.269	5099.870
35) l2	toxaphene-3	4.566	5.113	1976.6E6	1216.3E6	5097.738	5059.169
36) l2	toxaphene-4	4.791	5.430	2005.0E6	1467.5E6	5227.075M3	5116.982
37) l2	toxaphene-5	5.167	5.836	1793.0E6	1350.3E6	5084.921	5105.955
Sum	toxaphene-2			8290.1E6	4857.3E6	20473.004	20381.976
Average	toxaphene-2					5118.251	5095.494

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			8290.1E6	4857.3E6	20473.004	20381.976
Average	toxaphene-2					5118.251	5095.494

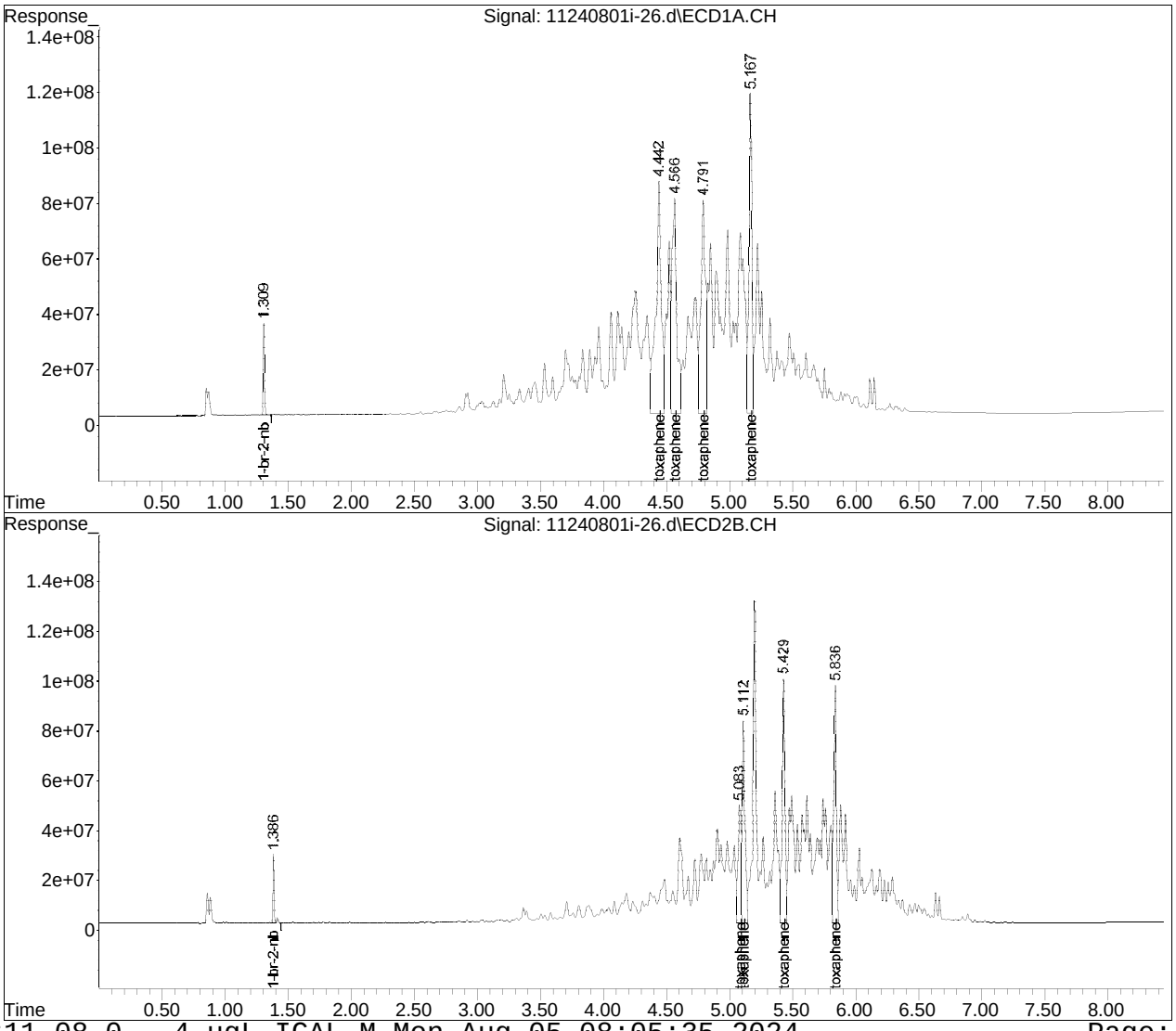
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-26.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:11
Operator : PEST11:ejl
Sample : il9tox,42e,,pp 11695 L5.0
Misc : WG1955254,ical (Sig #1); ,,ical (Sig #2)
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:22:02 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:21:54 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

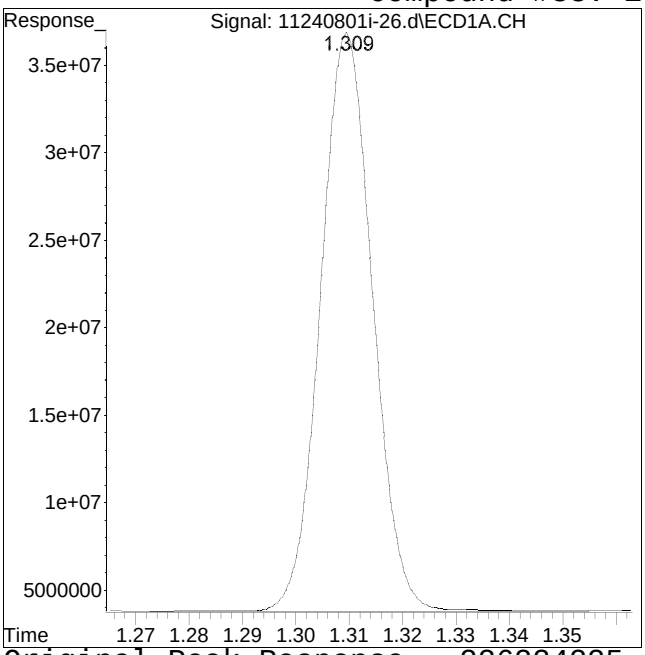
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

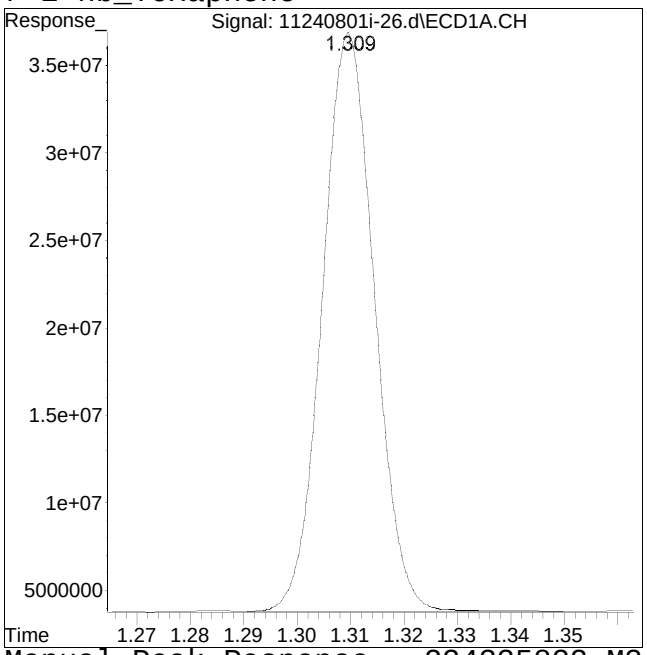


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #33: 1-br-2-nb_Toxaphene



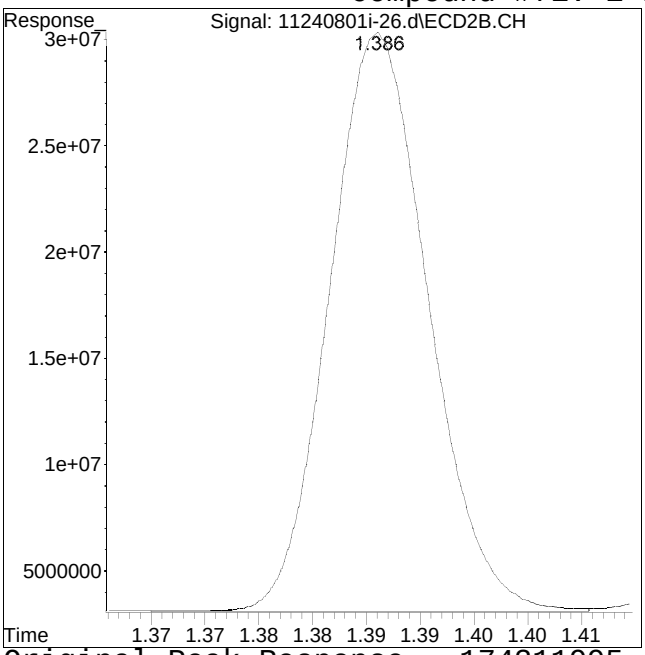


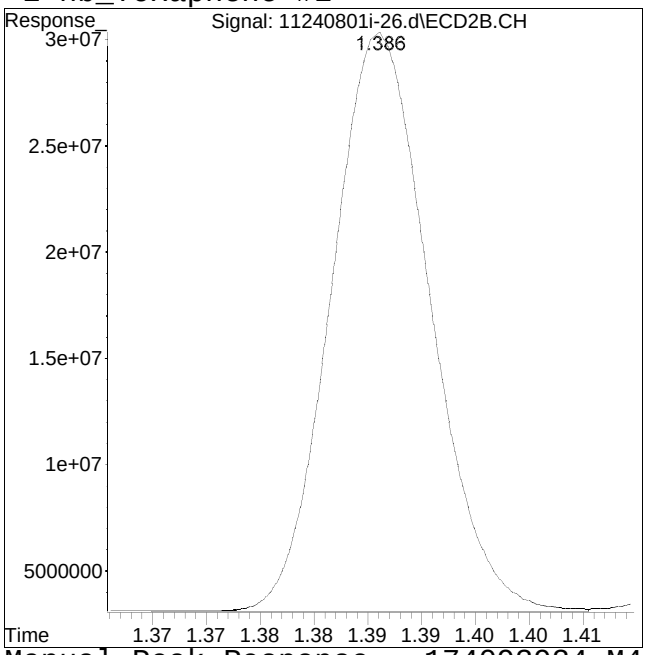
Original Peak Response = 226224225 Manual Peak Response = 224335822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #71: 1-br-2-nb_Toxaphene #2



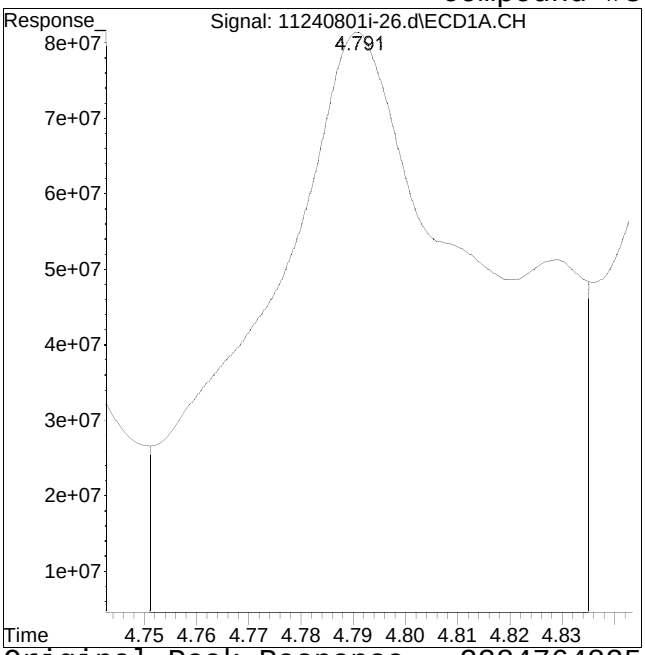


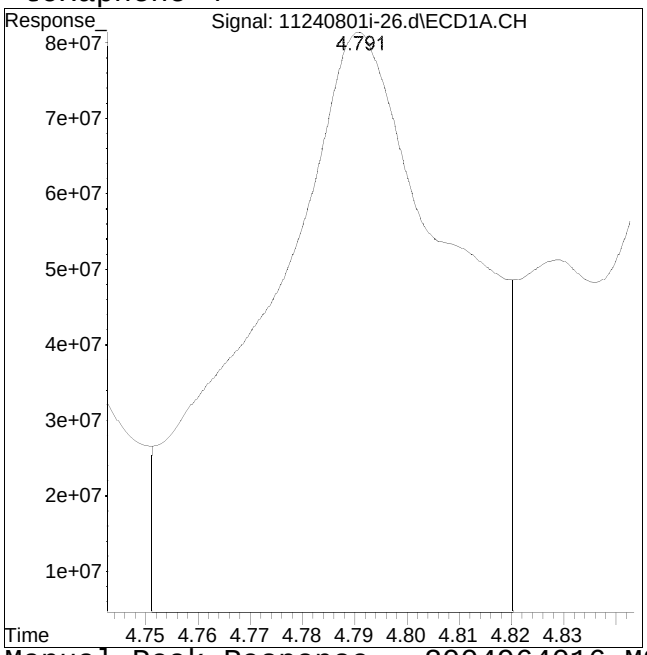
Original Peak Response = 174311995 Manual Peak Response = 174093924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-26.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:11 Instrument : Pest 11
Sample : il9tox,42e,,pp 11695 L5.0 Quant Date : 8/2/2024 12:22 pm

Compound #36: toxaphene-4





Original Peak Response = 2384764825 Manual Peak Response = 2004964016 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-2		*2000.000	1966.030	1.7	97	0.00
35	l2	toxaphene-3		*2000.000	1837.511	8.1	91	0.00
36	l2	toxaphene-4		*2000.000	1758.818	12.1	89	0.00
37	l2	toxaphene-5		*2000.000	1870.162	6.5	93	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	102	0.00
34	l2	toxaphene-2		*2000.000	1898.603	5.1	96	0.00
35	l2	toxaphene-3		*2000.000	1889.204	5.5	95	0.00
36	l2	toxaphene-4		*2000.000	1769.287	11.5	90	0.00
37	l2	toxaphene-5		*2000.000	1896.013	5.2	96	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.31#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.65#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.87#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.96#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.17#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.22#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.35#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.51#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.76#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.88#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.97#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.30#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.42#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.56#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.66#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.69#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.96#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.21#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.32#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.45#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.62#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.87#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-5.10#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.16#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.26#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.49#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.29#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.31#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.45#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.87#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.42#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.55#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.39#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.86#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.18#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.27#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.56#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.62#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.89#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample   : cicvtox,42e,,pp 11668 L2.0ICV
Misc   : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.95#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.27#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.15#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.51#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.88#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-4.10#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.27#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.47#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.34#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.63#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.93#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-5.05#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-5.13#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.33#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.42#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.89#
24	t	Mirex	*	50.000	0.000	100.0#	0	-6.02#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.65#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-6.06#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.92#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.39#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.82#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.42#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-4.10#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.28#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.309	1.386	223.1E6	177.4E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D.	N.D.
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.443	5.084	975.4E6	317.3E6	1966.030	1898.603
35) l2	toxaphene-3	4.567	5.112	712.2E6	467.1E6	1837.511	1889.204
36) l2	toxaphene-4	4.792	5.430	686.8E6	525.1E6	1758.818M3	1769.287
37) l2	toxaphene-5	5.168	5.836	662.9E6	518.4E6	1870.162	1896.013
Sum	toxaphene-2			3037.3E6	1827.9E6	7432.520	7453.107
Average	toxaphene-2					1858.130	1863.277

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			3037.3E6	1827.9E6	7432.520	7453.107
Average	toxaphene-2					1858.130	1863.277

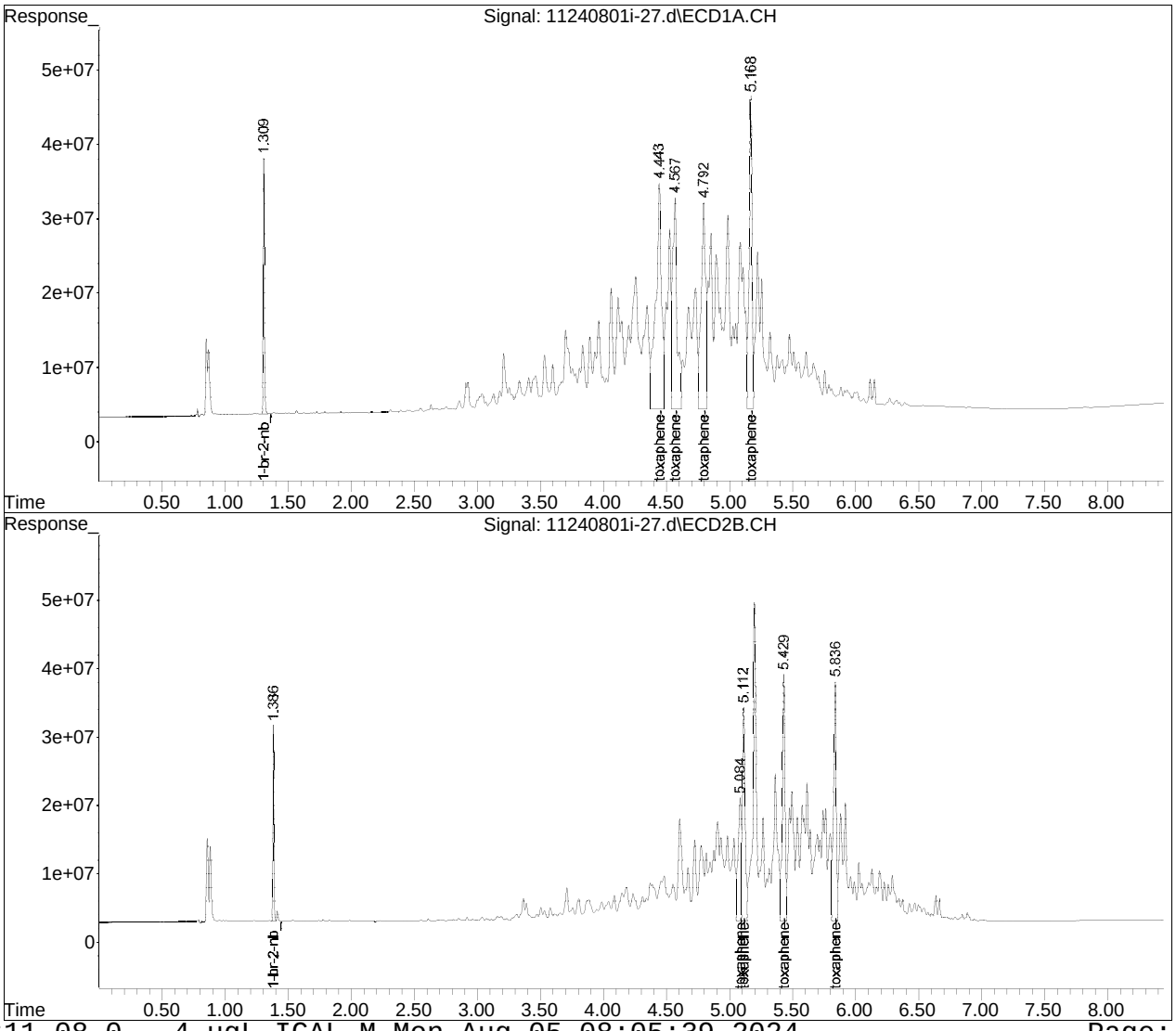
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240801ical\
Data File : 11240801i-27.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 01 Aug 2024 23:23
Operator : PEST11:ejl
Sample : cicvtox,42e,,pp 11668 L2.0ICV
Misc : WG1955254,ical
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 12:29:24 2024
Quant Method : I:\PEST\Pest11\2024\240801ical\pest11_08_01_24_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Aug 02 12:29:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

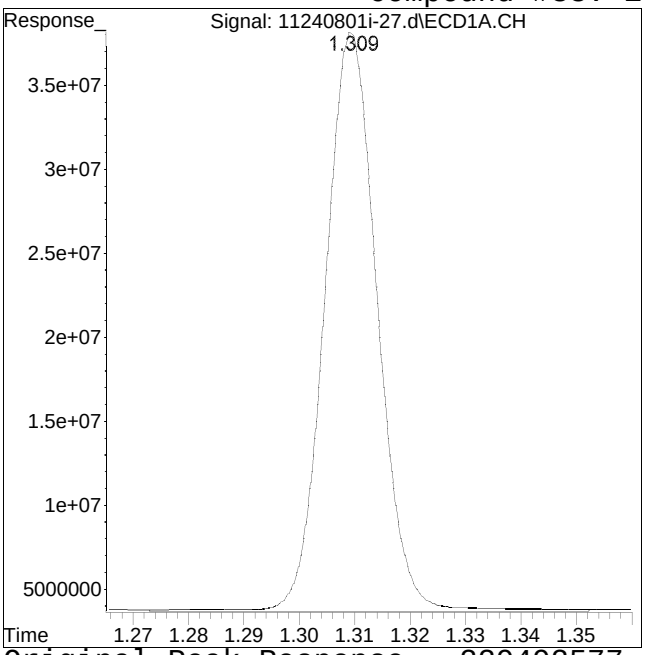
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

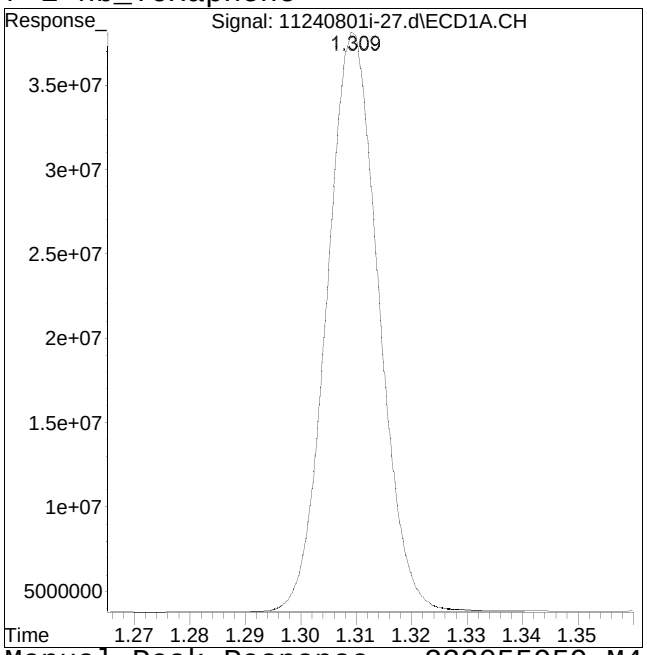


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-27.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:23 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/2/2024 12:29 pm

Compound #33: 1-br-2-nb_Toxaphene



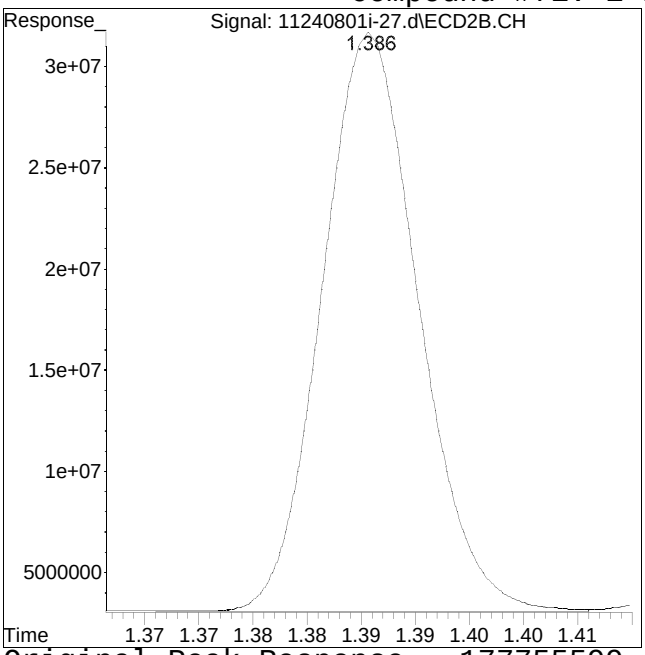


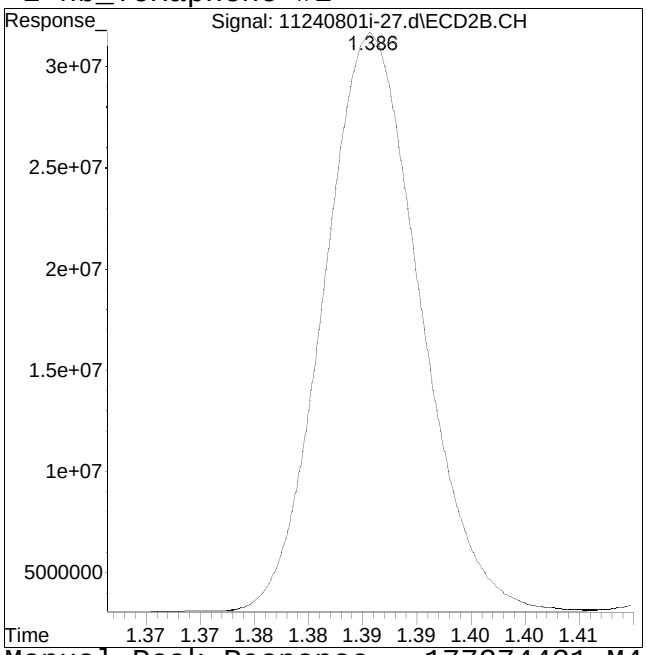
Original Peak Response = 229492577 Manual Peak Response = 223055959 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-27.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:23 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/2/2024 12:29 pm

Compound #71: 1-br-2-nb_Toxaphene #2



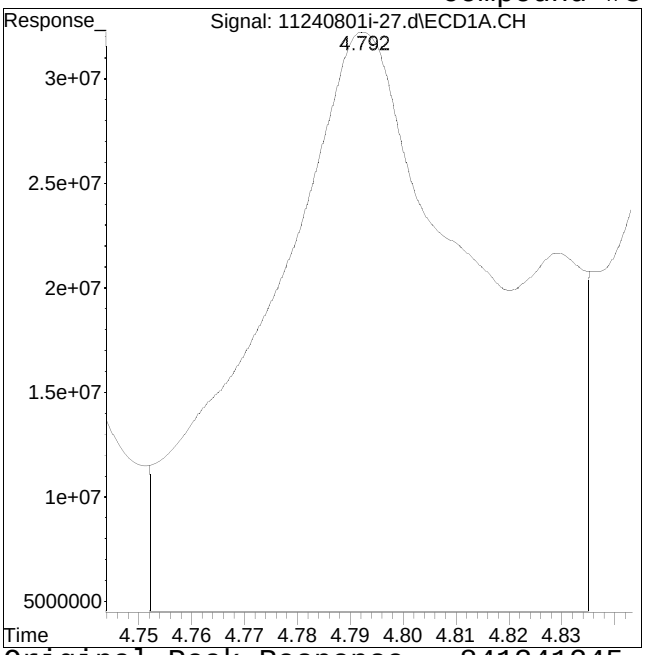


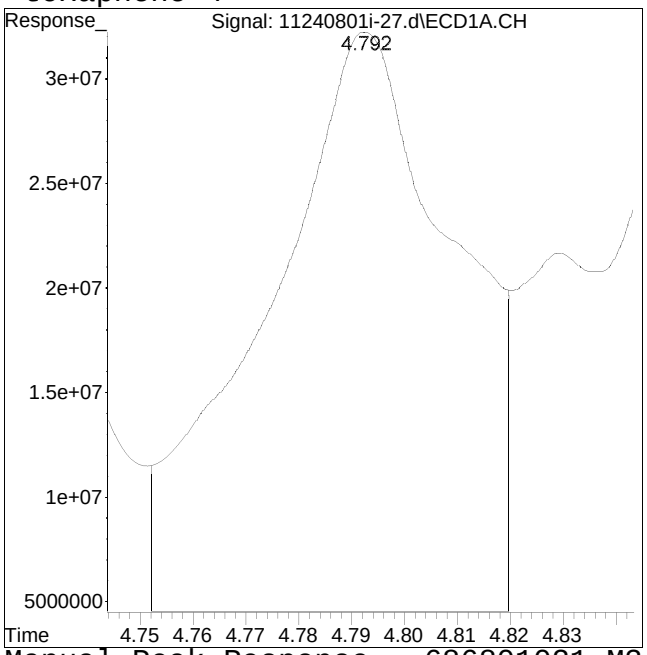
Original Peak Response = 177755599 Manual Peak Response = 177374421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240801QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240801i-27.d Operator : PEST11:ejl
Date Inj'd : 8/1/2024 23:23 Instrument : Pest 11
Sample : cicvtox,42e,,pp 11668 L2.0Quant Date : 8/2/2024 12:29 pm

Compound #36: toxaphene-4





Original Peak Response = 841341245 Manual Peak Response = 686801021 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest 11

Method Path : I:\PEST\Pest11\2024\240801ical\
Method File : pest11_08_01_24_ugL_ICAL.M
Title : pest
Last Update : Fri Aug 02 12:29:15 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
29	L1 chlordane-1	L	ug/l	1000.0	1038.450	3.8	10.00	9.627	-3.7
30	L1 chlordane-3	L	ug/l	1000.0	1075.547	7.6	10.00	7.099	-29.0
31	L1 chlordane-4	L	ug/l	1000.0	1057.641	5.8	10.00	9.470	-5.3
32	L1 chlordane-5	L	ug/l	1000.0	1065.479	6.5	10.00	9.042	-9.6
34	L2 toxaphene-2	L	ug/l	2000.0	1991.278	-0.4	20.00	22.016	10.1
35	L2 toxaphene-3	L	ug/l	2000.0	1988.580	-0.6	20.00	22.909	14.5
36	L2 toxaphene-4	L	ug/l	2000.0	1952.950	-2.4	20.00	22.256	11.3
37	L2 toxaphene-5	L	ug/l	2000.0	1978.581	-1.1	20.00	20.714	3.6
44	T beta-BHC #2	L	ug/l	50.0	50.907	1.8	1.00	0.790	-21.0
48	T Alachlor #2	L	ug/l	50.0	53.910	7.8	2.00	1.484	-25.8
49	T Chlorpyrifos #2	L	ug/l	50.0	52.668	5.3	2.00	1.609	-19.6
60	T Endrin Aldehyde #2	L	ug/l	50.0	50.418	0.8	1.00	0.856	-14.4
62	T Mirex #2	L	ug/l	50.0	50.877	1.8	2.00	1.727	-13.6
67	L1 chlordane-1 #2	L	ug/l	1000.0	1065.397	6.5	10.00	7.110	-28.9
68	L1 chlordane-3 #2	L	ug/l	1000.0	1115.565	11.6	10.00	5.208	-47.9
69	L1 chlordane-4 #2	L	ug/l	1000.0	1071.147	7.1	10.00	8.535	-14.6
70	L1 chlordane-5 #2	L	ug/l	1000.0	1069.213	6.9	10.00	8.307	-16.9
72	L2 toxaphene-2 #2	L	ug/l	2000.0	1968.160	-1.6	20.00	17.722	-11.4
73	L2 toxaphene-3 #2	L	ug/l	2000.0	1981.747	-0.9	20.00	18.240	-8.8
74	L2 toxaphene-4 #2	L	ug/l	2000.0	1969.518	-1.5	20.00	19.050	-4.7
75	L2 toxaphene-5 #2	L	ug/l	2000.0	1971.269	-1.4	20.00	18.840	-5.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
29	L1 chlordane-1	Linear	0.999348	0.000000	0.0363716	0.00108757
30	L1 chlordane-3	Linear	0.997393	0.000000	0.0421132	0.0078182
31	L1 chlordane-4	Linear	0.998643	0.000000	0.155448	0.0068286
32	L1 chlordane-5	Linear	0.998228	0.000000	0.238606	0.0109807
34	L2 toxaphene-2	Linear	0.999824	0.000000	0.055848	-0.0188813
35	L2 toxaphene-3	Linear	0.999518	0.000000	0.0436385	-0.01444
36	L2 toxaphene-4	Linear	0.999238	0.000000	0.0438591	-0.00655081
37	L2 toxaphene-5	Linear	0.999880	0.000000	0.0395938	0.00995327
44	T beta-BHC #2	Linear	0.999559	0.000000	0.62395	0.0144288
48	T Alachlor #2	Linear	0.996730	0.000000	0.176781	0.0129204
49	T Chlorpyrifos #2	Linear	0.998303	0.000000	0.678141	0.0439823
60	T Endrin Aldehyde #2	Linear	0.999312	0.000000	0.92637	0.0145142
62	T Mirex #2	Linear	0.999318	0.000000	0.884014	0.0427365
67	L1 chlordane-1 #2	Linear	0.996325	0.000000	0.0369026	0.0110712
68	L1 chlordane-3 #2	Linear	0.991238	0.000000	0.0403855	0.0197671
69	L1 chlordane-4 #2	Linear	0.995940	0.000000	0.155283	0.0303717
70	L1 chlordane-5 #2	Linear	0.996066	0.000000	0.119242	0.0251686
72	L2 toxaphene-2 #2	Linear	0.999654	0.000000	0.0234841	0.00538869
73	L2 toxaphene-3 #2	Linear	0.999781	0.000000	0.0347383	0.00824347
74	L2 toxaphene-4 #2	Linear	0.999739	0.000000	0.0417228	0.00770414
75	L2 toxaphene-5 #2	Linear	0.999723	0.000000	0.0383851	0.0113923

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 09/10/24 09:18	
Lab File ID	: 11240910a-03		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1969659-1		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	116	0
2,4,5,6-Tetrachloro-m-xylen	1.039	1.059	-	-1.9	20	115	0
Hexachlorobenzene	1.406	1.194	-	15.1	20	101	0
alpha-BHC	1.461	1.577	-	-7.9	20	113	0
gamma-BHC (lindane)	1.395	1.417	-	-1.6	20	110	0
beta-BHC	0.628	0.601	-	4.3	20	112	0
delta-BHC	1.374	1.403	-	-2.1	20	108	0
Heptachlor	1.321	1.392	-	-5.4	20	116	0
Aldrin	1.233	1.303	-	-5.7	20	115	0
Alachlor	0.23	0.209	-	9.1	20	105	0
Chlorpyrifos	0.59	0.604	-	-2.4	20	127	0
Heptachlor Epoxide	1.185	1.194	-	-0.8	20	113	0
gamma-Chlordane (trans)	1.077	1.255	-	-16.5	20	132	0
alpha-Chlordane (cis)	1.216	1.227	-	-0.9	20	114	0
4,4'-DDE	1.192	1.226	-	-2.9	20	113	0
Endosulfan I	1.116	1.134	-	-1.6	20	114	0
Dieldrin	1.135	1.282	-	-13	20	124	0
Endrin	1.153	1.212	-	-5.1	20	115	0
4,4'-DDD	0.927	1.033	-	-11.4	20	123	0
Endosulfan II	1.052	1.124	-	-6.8	20	119	0
4,4'-DDT	1.058	1.144	-	-8.1	20	120	0
Endrin Aldehyde	0.886	0.847	-	4.4	20	110	0
Methoxychlor	0.592	0.629	-	-6.3	20	126	0
Mirex	0.938	0.968	-	-3.2	20	125	0
Endosulfan Sulfate	1.01	1.092	-	-8.1	20	125	0
Endrin Ketone	1.183	1.27	-	-7.4	20	120	0
Decachlorobiphenyl	1.163	0.918	-	21.1*	20	101	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786		
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: PEST11	**Calibration Date**	: 09/10/24 09:18		
Lab File ID	: 11240910a-03	**Init. Calib. Date(s)**	: 08/01/24	08/01/24	
Sample No	: WG1969659-1	**Init. Calib. Times**	: 18:37	23:11	
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	96	0
2,4,5,6-Tetrachloro-m-xyl	1.114	1.02	-	8.4	20	88	0
Hexachlorobenzene	1.239	1.073	-	13.4	20	88	0
alpha-BHC	1.62	1.493	-	7.8	20	83	0
gamma-BHC (lindane)	1.539	1.338	-	13.1	20	82	0
beta-BHC	50	45.838	-	8.3	20	85	0
delta-BHC	1.523	1.319	-	13.4	20	80	0
Heptachlor	1.598	1.288	-	19.4	20	78	0
Aldrin	1.435	1.201	-	16.3	20	79	0
Alachlor	50	53.356	-	-6.7	20	93	0
Chlorpyrifos	50	43.728	-	12.5	20	78	0
Heptachlor Epoxide	1.425	1.117	-	21.6*	20	78	0
gamma-Chlordane (trans)	1.312	1.149	-	12.4	20	88	0
alpha-Chlordane (cis)	1.446	1.125	-	22.2*	20	78	0
4,4'-DDE	1.343	1.108	-	17.5	20	77	0
Endosulfan I	1.332	1.047	-	21.4*	20	78	0
Dieldrin	1.327	1.181	-	11	20	85	0
Endrin	1.347	1.131	-	16	20	80	0
4,4'-DDD	1.084	0.95	-	12.4	20	83	0
Endosulfan II	1.214	1.021	-	15.9	20	83	0
4,4'-DDT	1.25	1.022	-	18.2	20	78	0
Endrin Aldehyde	50	41.651	-	16.7	20	78	0
Methoxychlor	0.704	0.559	-	20.6*	20	83	0
Mirex	50	45.784	-	8.4	20	85	0
Endosulfan Sulfate	1.199	0.984	-	17.9	20	83	0
Endrin Ketone	1.261	1.142	-	9.4	20	89	0
Decachlorobiphenyl	1.06	0.86	-	18.9	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 09/10/24 09:30	
Lab File ID	: 11240910a-04		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1969659-2		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	111	0
chlordane-1	1000	1171.148	-	-17.1	20	126	0
chlordane-3	1000	1176.517	-	-17.7	20	123	0
chlordane-4	1000	1166.841	-	-16.7	20	124	0
chlordane-5	1000	1305.639	-	-30.6*	20	137	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 09/10/24 09:30	
Lab File ID	: 11240910a-04		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1969659-2		**Init. Calib. Times**	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	97	0
chlordane-1	1000	915.335	-	8.5	20	83	0
chlordane-3	1000	944.789	-	5.5	20	82	0
chlordane-4	1000	846.488	-	15.4	20	76	0
chlordane-5	1000	837.331	-	16.3	20	76	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 09/10/24 09:42	
Lab File ID	: 11240910a-05		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1969659-3		**Init. Calib. Times**	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	129	0
toxaphene-2	2000	2255.749	-	-12.8	20	141	0
toxaphene-3	2000	2169.888	-	-8.5	20	135	0
toxaphene-4	2000	2056.625	-	-2.8	20	131	0
toxaphene-5	2000	2085.777	-	-4.3	20	131	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: P. W. Grosser		**Lab Number**	: L2450786	
Project Name	: ROANOKE SAND + GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: PEST11		**Calibration Date**	: 09/10/24 09:42	
Lab File ID	: 11240910a-05		**Init. Calib. Date(s)**	: 08/01/24	08/01/24
Sample No	: WG1969659-3		**Init. Calib. Times**	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	98	0
toxaphene-2	2000	1690.423	-	15.5	20	83	0
toxaphene-3	2000	1809.236	-	9.5	20	88	0
toxaphene-4	2000	1695.23	-	15.2	20	83	0
toxaphene-5	2000	1836.617	-	8.2	20	90	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:18
Operator : PEST11:akm
Sample   : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	116	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	1.059	-1.9	115	0.00
3	t	Hexachlorobenzene		1.406	1.194	15.1	101	0.00
4	t	alpha-BHC		1.461	1.577	-7.9	113	0.00
5	t	gamma-BHC (lindane)		1.395	1.417	-1.6	110	0.00
6	t	beta-BHC		0.628	0.601	4.3	112	0.00
7	t	delta-BHC		1.374	1.403	-2.1	108	0.00
8	t	Heptachlor		1.321	1.392	-5.4	116	0.00
9	t	Aldrin		1.233	1.303	-5.7	115	0.00
10	t	Alachlor		0.230	0.209	9.1	105	0.00
11	t	Chlorpyrifos		0.590	0.604	-2.4	127	0.00
12	t	Heptachlor Epoxide		1.185	1.194	-0.8	113	0.00
13	t	gamma-Chlordane (trans)		1.077	1.255	-16.5	132	0.00
14	t	alpha-Chlordane (cis)		1.216	1.227	-0.9	114	0.00
15	t	4,4'-DDE		1.192	1.226	-2.9	113	0.00
16	t	Endosulfan I		1.116	1.134	-1.6	114	0.00
17	t	Dieldrin		1.135	1.282	-13.0	124	0.00
18	t	Endrin		1.153	1.212	-5.1	115	0.00
19	t	4,4'-DDD		0.927	1.033	-11.4	123	0.00
20	t	Endosulfan II		1.052	1.124	-6.8	119	0.00
21	t	4,4'-DDT		1.058	1.144	-8.1	120	0.00
22	t	Endrin Aldehyde		0.886	0.847	4.4	110	0.00
23	t	Methoxychlor		0.592	0.629	-6.3	126	0.00
24	t	Mirex		0.938	0.968	-3.2	125	0.00
25	t	Endosulfan Sulfate		1.010	1.092	-8.1	125	0.00
26	t	Endrin Ketone		1.183	1.270	-7.4	120	0.00
27	s	Decachlorobiphenyl		1.163	0.918	21.1#	101	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:18
Operator : PEST11:akm
Sample   : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	96	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	1.020	8.4	88	0.00
3	t	Hexachlorobenzene		1.239	1.073	13.4	88	0.00
4	t	alpha-BHC		1.620	1.493	7.8	83	0.00
5	t	gamma-BHC (lindane)		1.539	1.338	13.1	82	0.00
6	t	beta-BHC	*	50.000	45.838	8.3	85	0.00
7	t	delta-BHC		1.523	1.319	13.4	80	0.00
8	t	Heptachlor		1.598	1.288	19.4	78	0.00
9	t	Aldrin		1.435	1.201	16.3	79	0.00
10	t	Alachlor	*	50.000	53.356	-6.7	93	0.00
11	t	Chlorpyrifos	*	50.000	43.728	12.5	78	0.00
12	t	Heptachlor Epoxide		1.425	1.117	21.6#	78	0.00
13	t	gamma-Chlordane (trans)		1.312	1.149	12.4	88	0.00
14	t	alpha-Chlordane (cis)		1.446	1.125	22.2#	78	0.00
15	t	4,4'-DDE		1.343	1.108	17.5	77	0.00
16	t	Endosulfan I		1.332	1.047	21.4#	78	0.00
17	t	Dieldrin		1.327	1.181	11.0	85	0.00
18	t	Endrin		1.347	1.131	16.0	80	0.00
19	t	4,4'-DDD		1.084	0.950	12.4	83	0.00
20	t	Endosulfan II		1.214	1.021	15.9	83	0.00
21	t	4,4'-DDT		1.250	1.022	18.2	78	0.00
22	t	Endrin Aldehyde	*	50.000	41.651	16.7	78	0.00
23	t	Methoxychlor		0.704	0.559	20.6#	83	0.00
24	t	Mirex	*	50.000	45.784	8.4	85	0.00
25	t	Endosulfan Sulfate		1.199	0.984	17.9	83	0.00
26	t	Endrin Ketone		1.261	1.142	9.4	89	0.00
27	s	Decachlorobiphenyl		1.060	0.860	18.9	86	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:18
Operator : PEST11:akm
Sample   : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.23#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.33#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.73#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.27#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.40#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.23#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.28#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-4.41#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-4.65#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.03#

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.30#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.68#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-3.26#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.93#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-4.10#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.30#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.94#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-4.97#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-5.30#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.71#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:18
Operator : PEST11:akm
Sample : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.228	1.301	268.0E6	176.3E6	25.000M4	25.000M4
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.560	1.755	567.5E6	359.4E6	50.943M4	45.774M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =		101.89%	91.55%
27) s	Decachlorobi	6.176	6.813	492.3E6	303.3E6	39.487M4	40.574M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =		78.97%	81.15%
	Target Compounds						
3) t	Hexachlorobe	1.764	2.062	639.8E6	378.5E6	42.446M4	43.322M3
4) t	alpha-BHC	1.860	2.152	845.5E6	526.2E6	53.998	46.078
5) t	gamma-BHC (l	2.054	2.427	759.3E6	471.7E6	50.756M4	43.467
6) t	beta-BHC	2.109	2.492	322.3E6	204.2E6	47.883M4	45.838
7) t	delta-BHC	2.232	2.748	752.2E6	465.1E6	51.064	43.318
8) t	Heptachlor	2.389	2.807	746.5E6	454.1E6	52.708M4	40.308
9) t	Aldrin	2.623	3.115	698.3E6	423.3E6	52.817M3	41.845
10) t	Alachlor	2.742	3.006	112.0E6	68785002	45.361M3	53.356
11) t	Chlorpyrifos	2.832	3.349	323.8E6	216.8E6	51.209M3	43.728
12) t	Heptachlor E	3.151	3.712	640.0E6	393.7E6	50.351M4	39.173

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:18
Operator : PEST11:akm
Sample : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13)	t	gamma-Chlord	3.273	3.928	672.6E6	405.0E6	58.253	43.796
14)	t	alpha-Chlord	3.403	4.097	658.0E6	396.5E6	50.458M3	38.896
15)	t	4,4'-DDE	3.501	4.312	657.2E6	390.8E6	51.446	41.277
16)	t	Endosulfan I	3.534	4.161	608.0E6	369.2E6	50.805	39.310
17)	t	Dieldrin	3.788	4.469	687.0E6	416.2E6	56.450	44.476
18)	t	Endrin	4.037	4.778	649.5E6	398.9E6	52.549	42.009
19)	t	4,4'-DDD	4.158	4.912	553.9E6	334.9E6	55.713	43.829M4
20)	t	Endosulfan I	4.290	4.984	602.8E6	360.1E6	53.444	42.086M4
21)	t	4,4'-DDT	4.466	5.195	613.1E6	360.2E6	54.031	40.859M4
22)	t	Endrin Aldeh	4.723	5.289	454.1E6	274.6E6	47.782M3	41.651M4
23)	t	Methoxychlor	4.975	5.773	337.0E6	197.0E6	53.100M4	39.664M4
24)	t	Mirex	5.021	5.897	519.1E6	292.9E6	51.640	45.784M4
25)	t	Endosulfan S	5.126	5.522	585.3E6	346.9E6	54.067M4	41.029M4
26)	t	Endrin Keton	5.356	5.937	680.6E6	402.5E6	53.649M4	45.278M4
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
	Average	chlordane-1					0.000	0.000
34)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:18
Operator : PEST11:akm
Sample : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

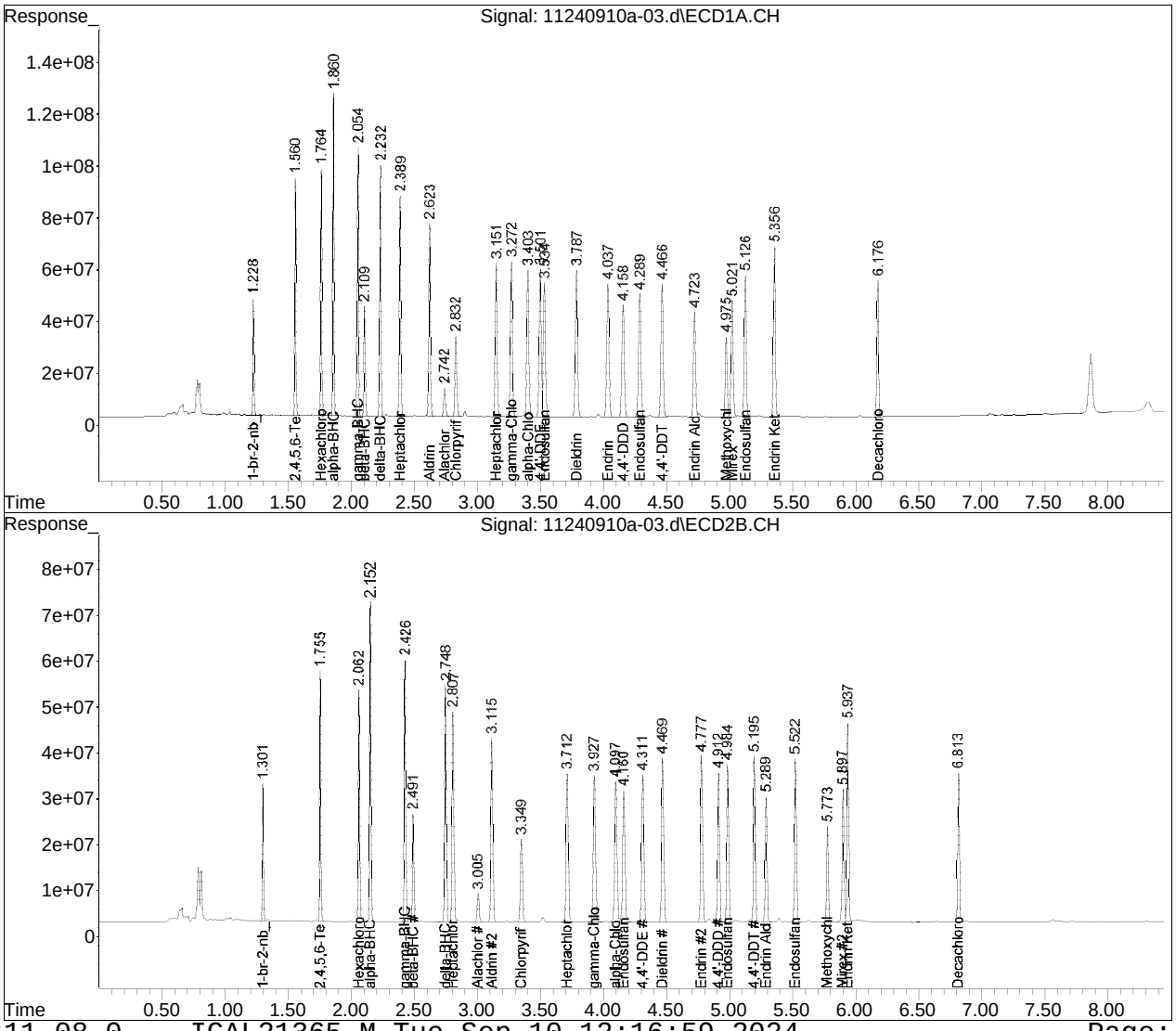
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:18
Operator : PEST11:akm
Sample : wg1969659-1,42,,pest11675 (Sig #1); pest11675 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:08 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:02 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

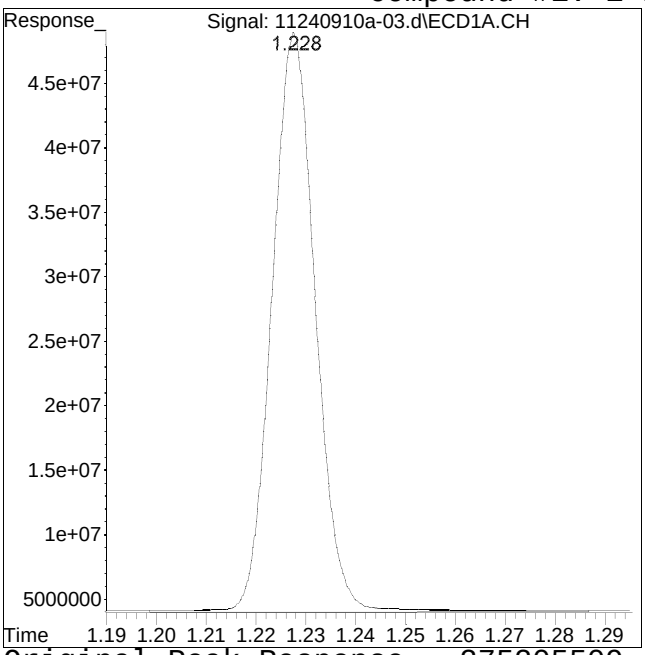
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

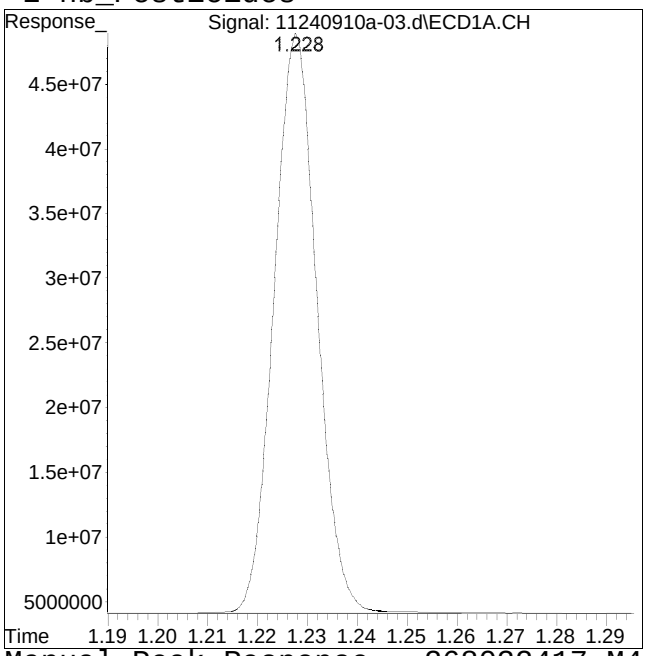


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #1: 1-br-2-nb_Pesticides



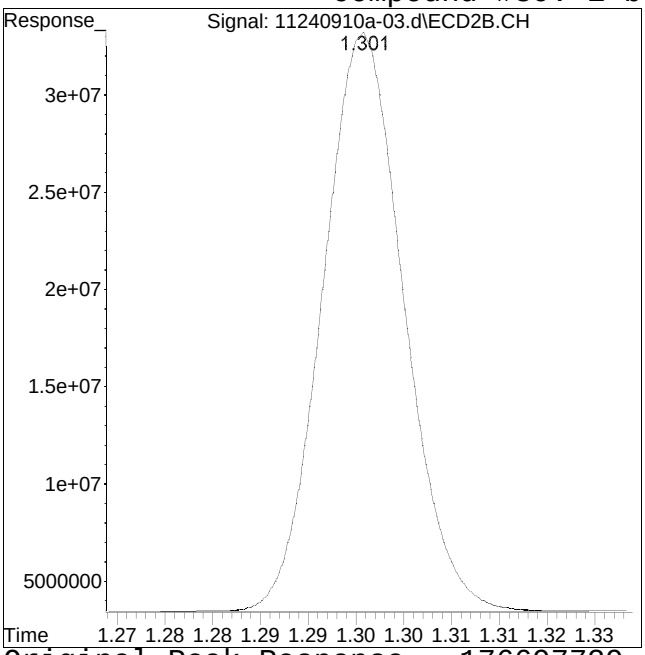


Original Peak Response = 275205509 Manual Peak Response = 268032417 M4
M4 = Poor automated baseline construction.

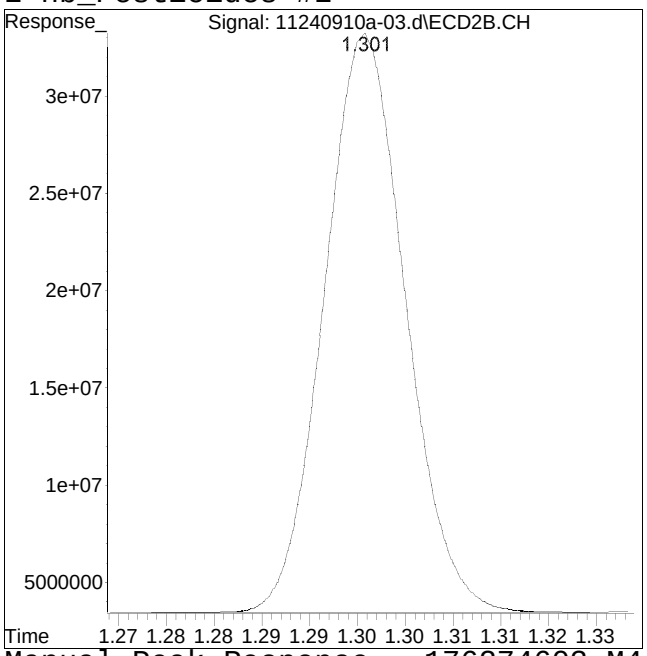
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 176697729



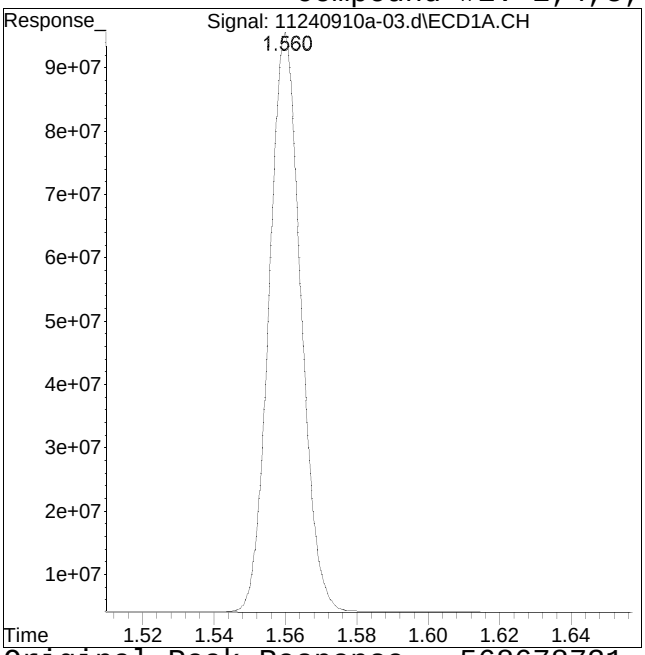
Manual Peak Response = 176274603 M4

M4 = Poor automated baseline construction.

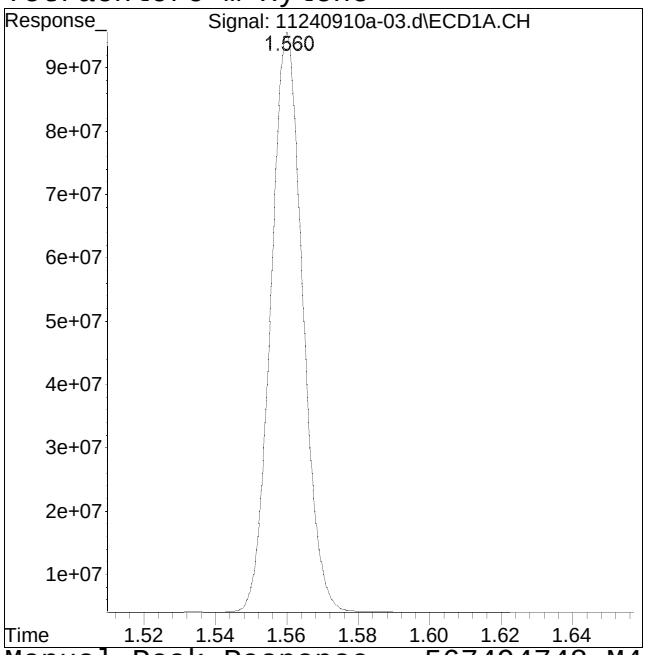
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 568678731



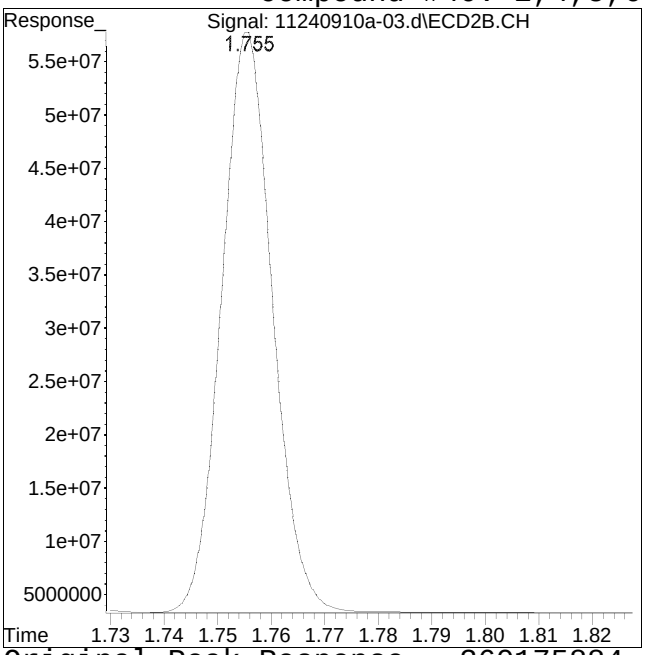
Manual Peak Response = 567494748 M4

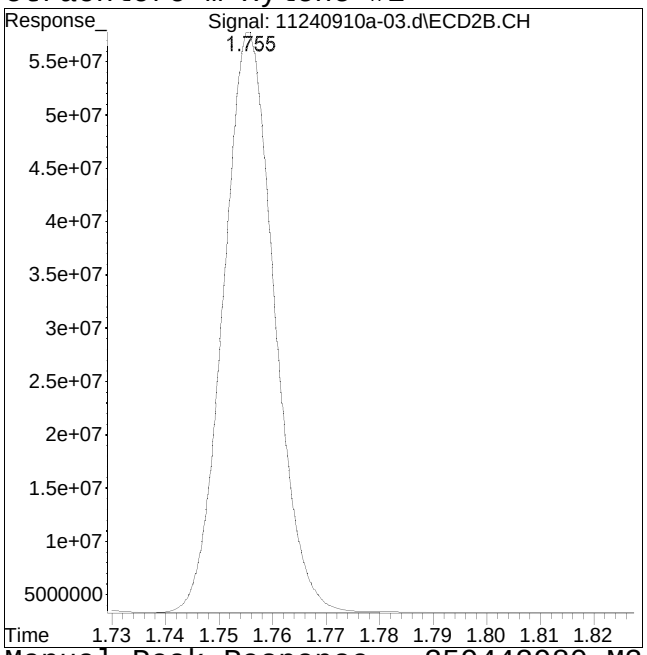
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



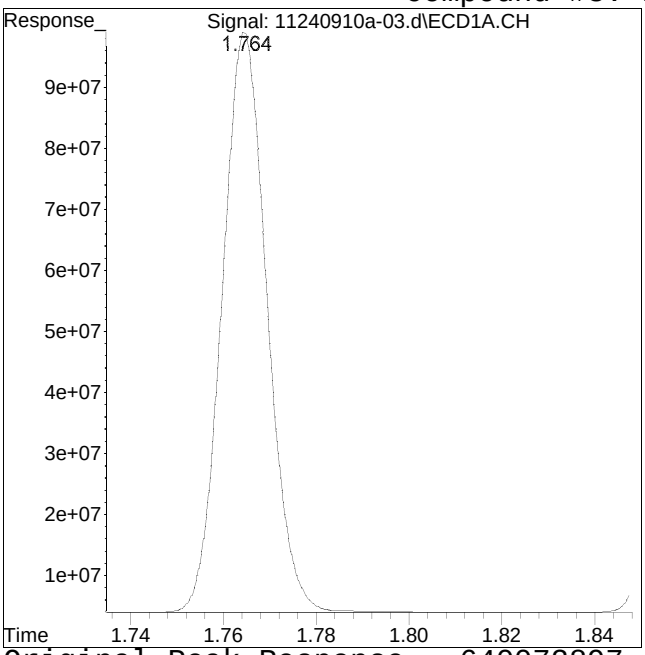


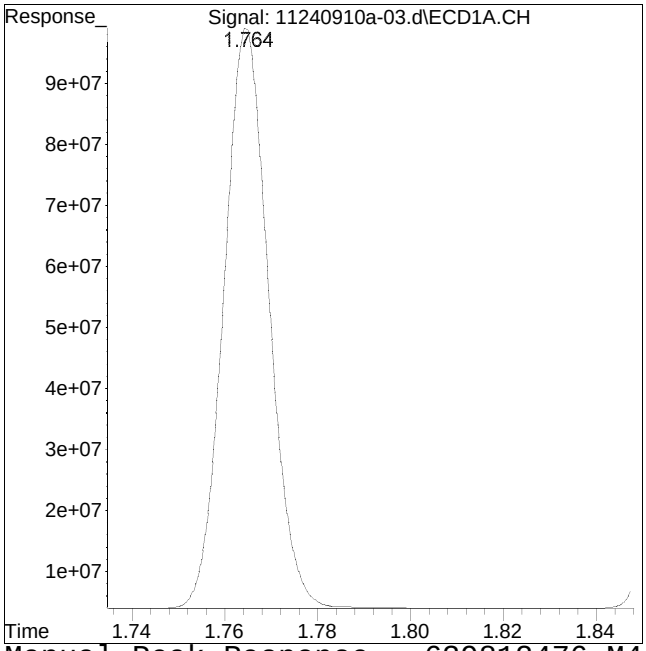
Original Peak Response = 360175884 Manual Peak Response = 359442980 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #3: Hexachlorobenzene



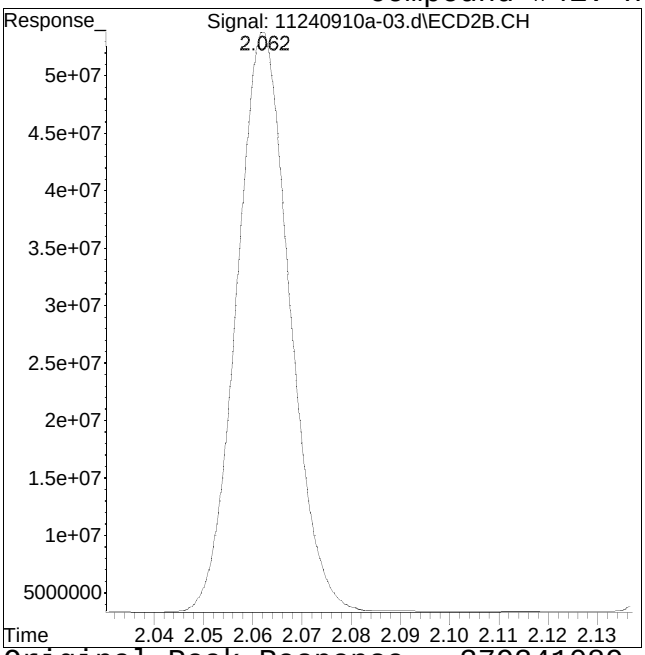


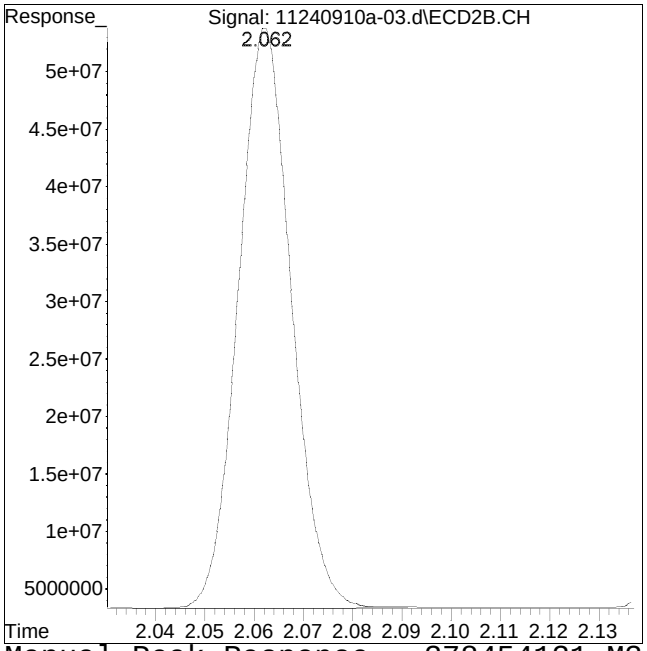
Original Peak Response = 640072897 Manual Peak Response = 639812476 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #41: Hexachlorobenzene #2



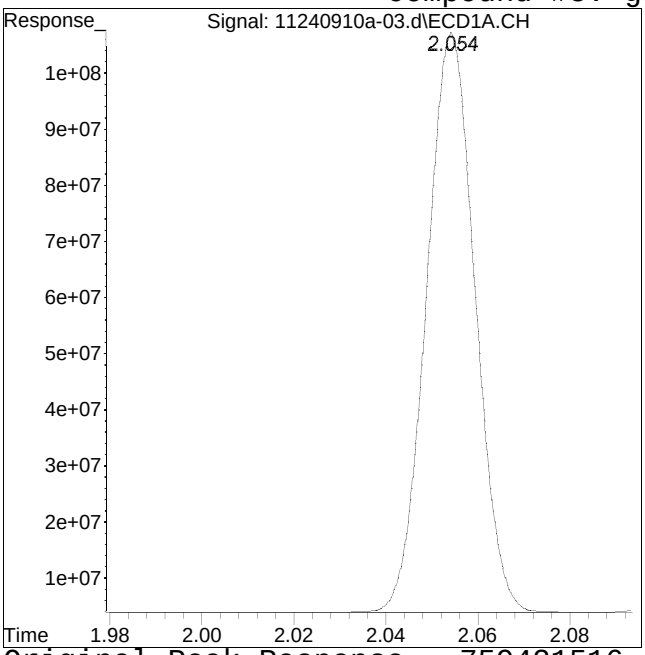


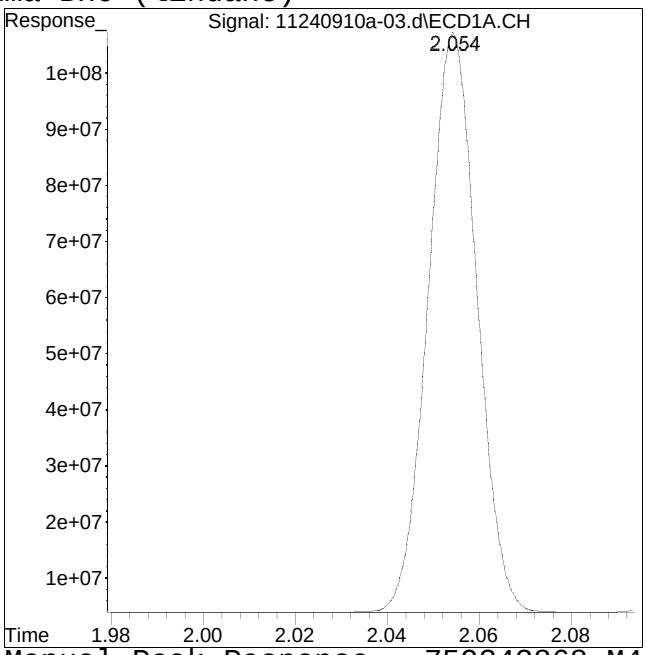
Original Peak Response = 379341089 Manual Peak Response = 378454131 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #5: gamma-BHC (lindane)



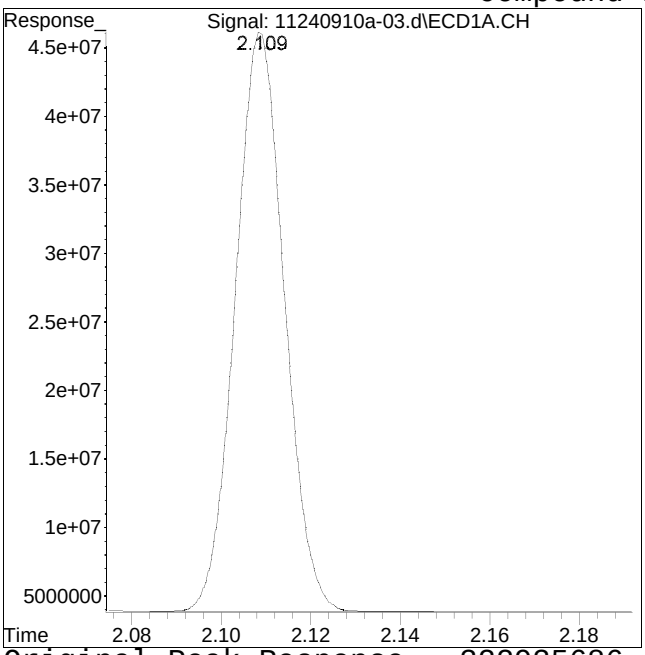


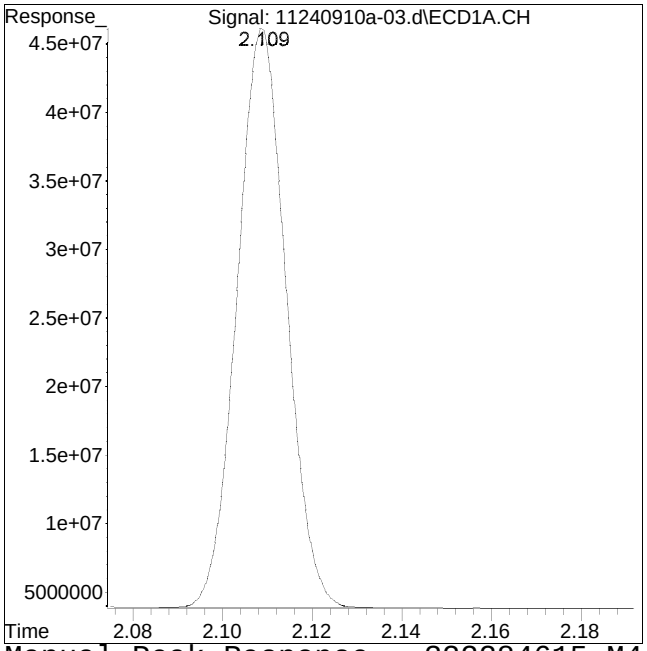
Original Peak Response = 759421516 Manual Peak Response = 759343868 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #6: beta-BHC



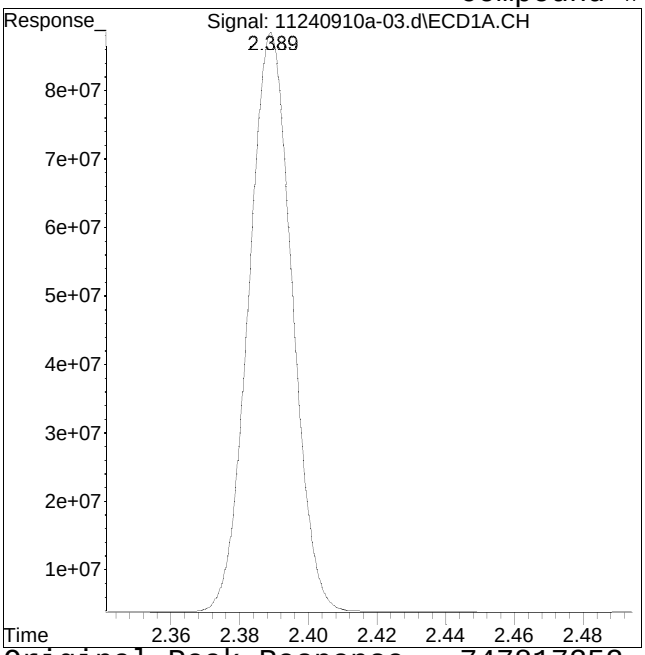


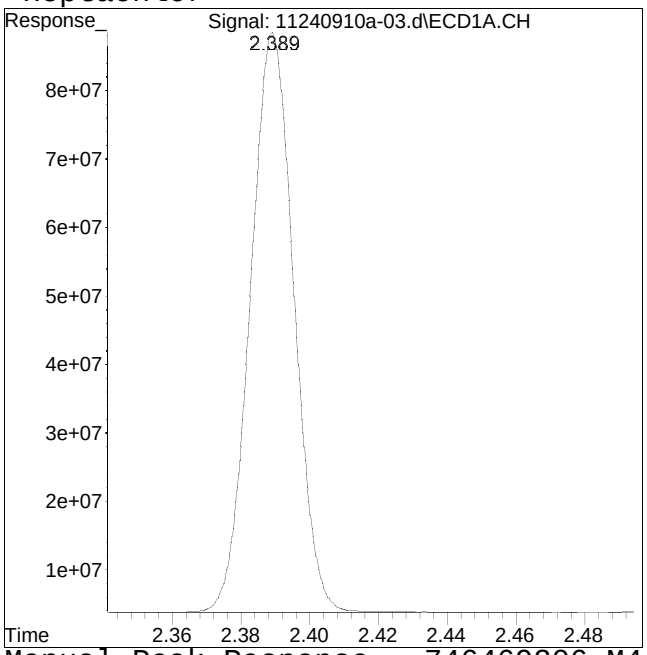
Original Peak Response = 322935686 Manual Peak Response = 322284615 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #8: Heptachlor



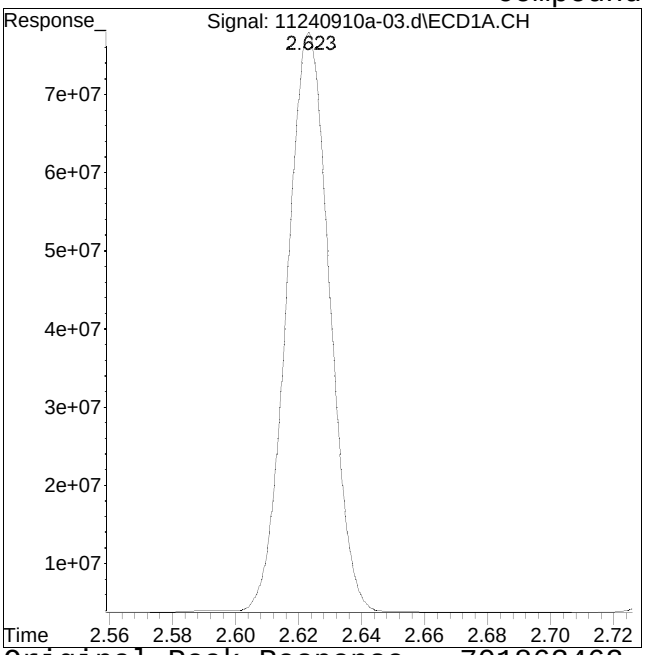


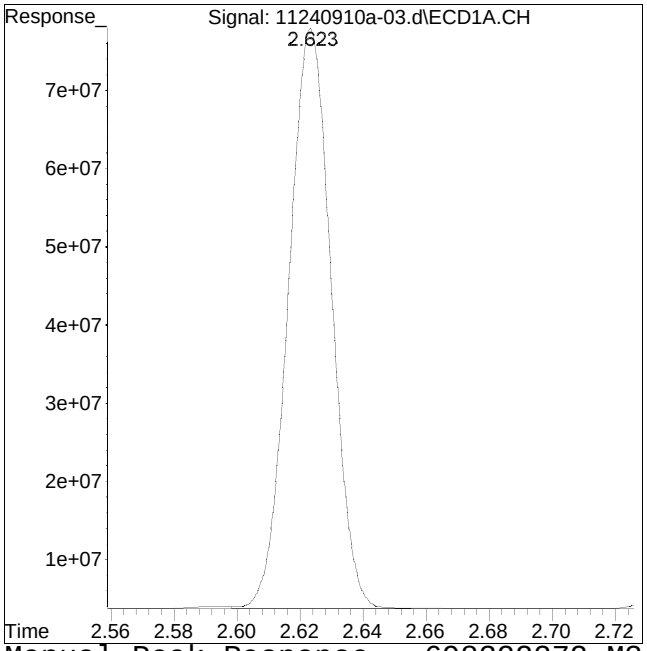
Original Peak Response = 747817352 Manual Peak Response = 746469206 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #9: Aldrin



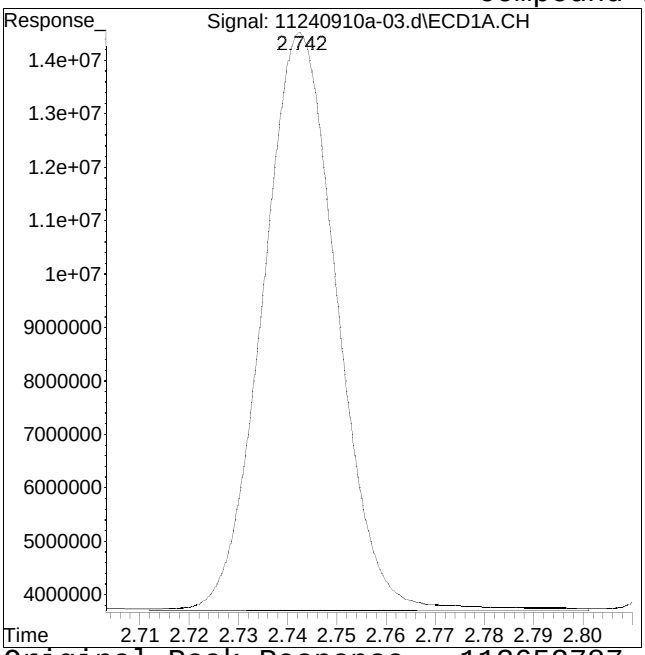


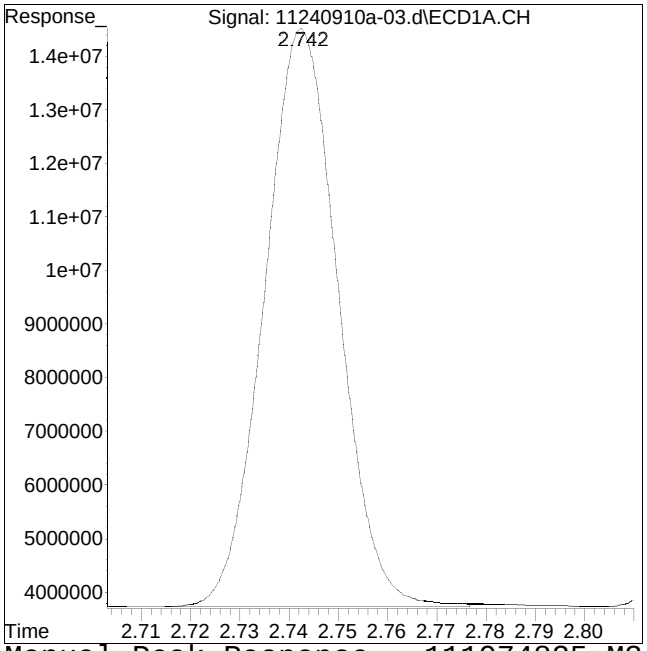
Original Peak Response = 701863462 Manual Peak Response = 698322272 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #10: Alachlor



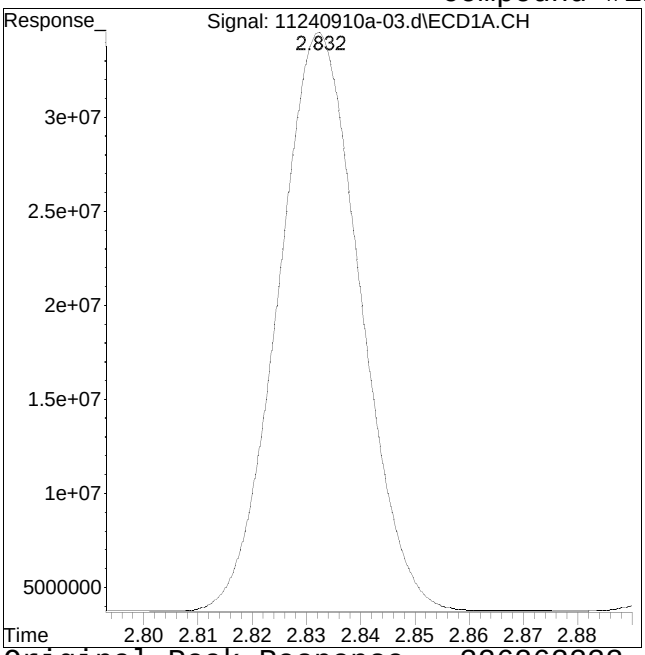


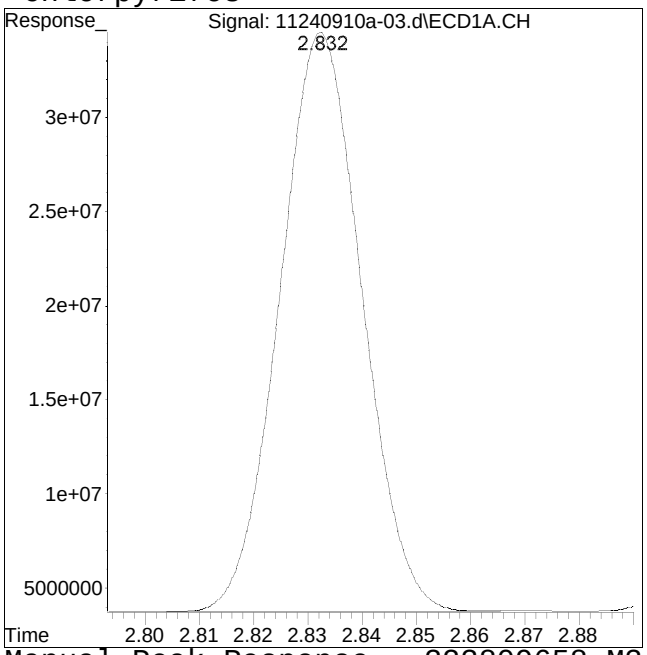
Original Peak Response = 113652787 Manual Peak Response = 111974825 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #11: Chlorpyrifos



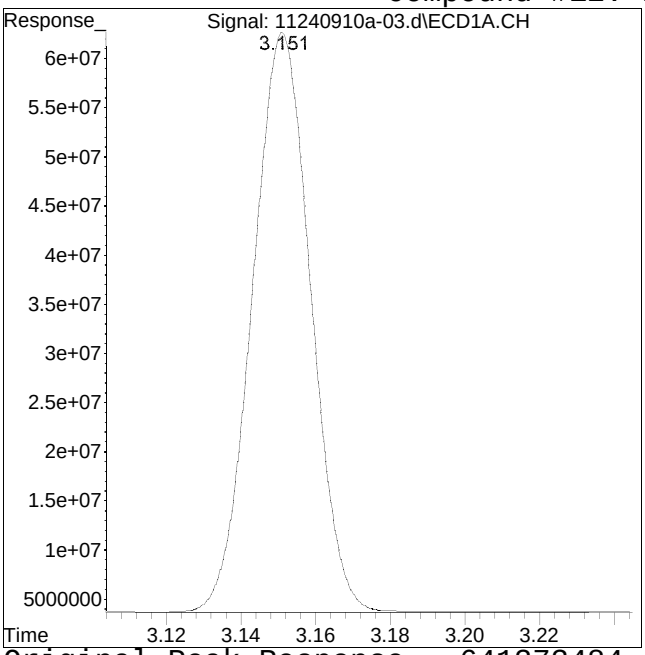


Original Peak Response = 326262333 Manual Peak Response = 323809658 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

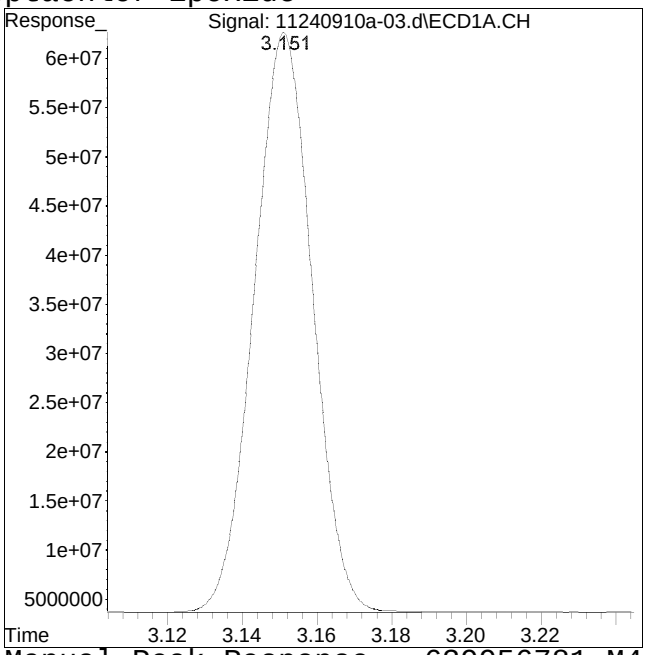
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #12: Heptachlor Epoxide



Original Peak Response = 641373484



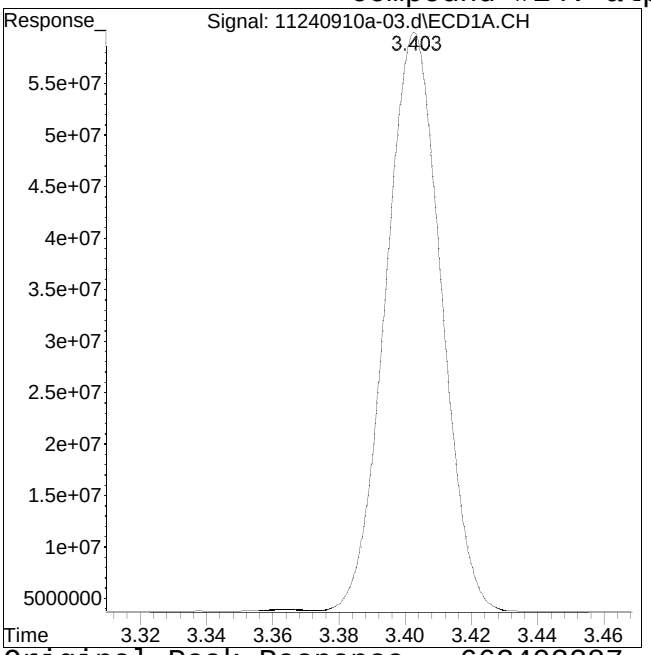
Manual Peak Response = 639956781 M4

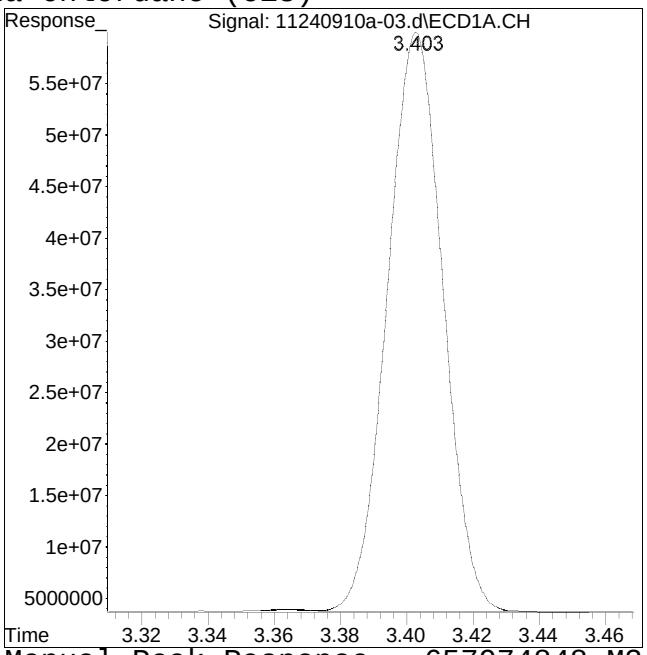
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #14: alpha-Chlordane (cis)



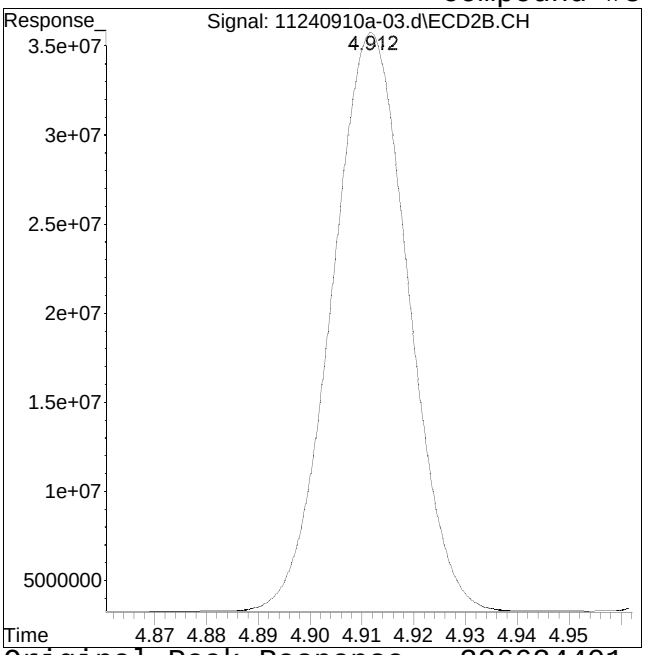


Original Peak Response = 663403287 Manual Peak Response = 657974848 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

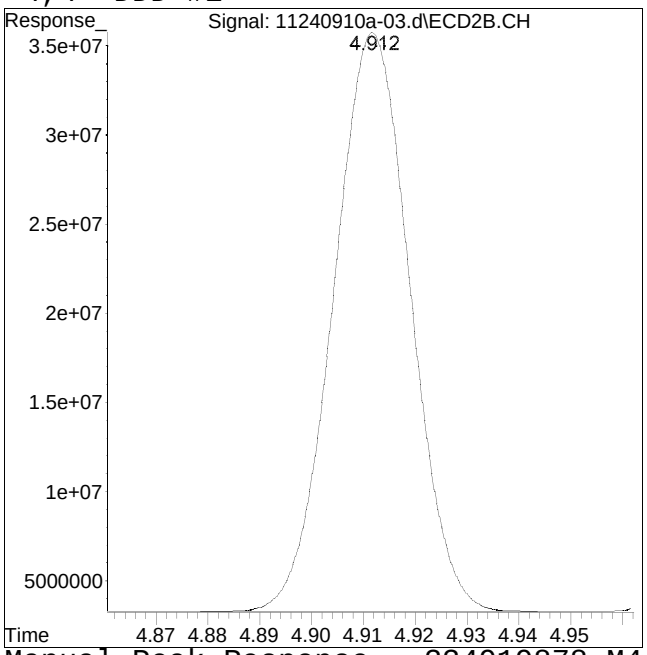
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 336624401



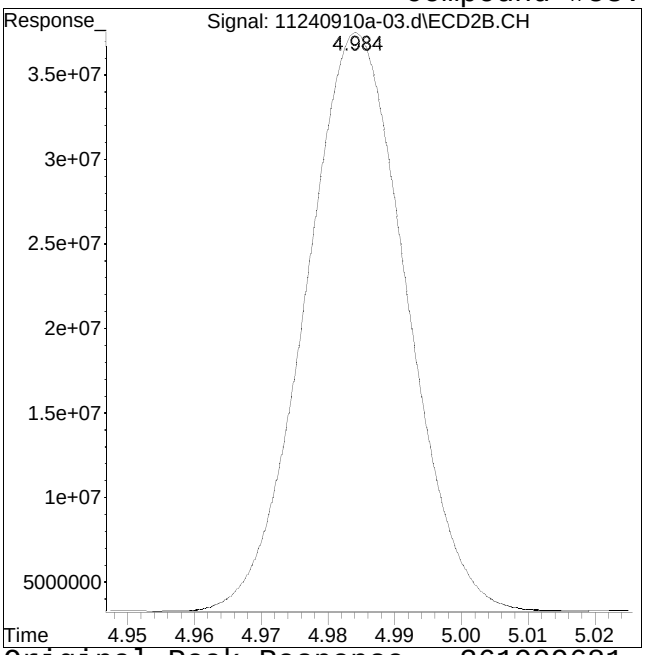
Manual Peak Response = 334919878 M4

M4 = Poor automated baseline construction.

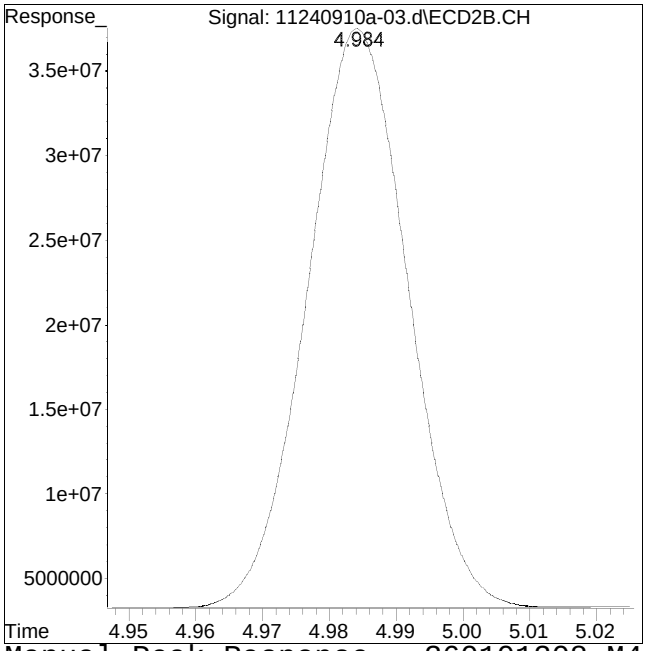
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #58: Endosulfan II #2



Original Peak Response = 361909681

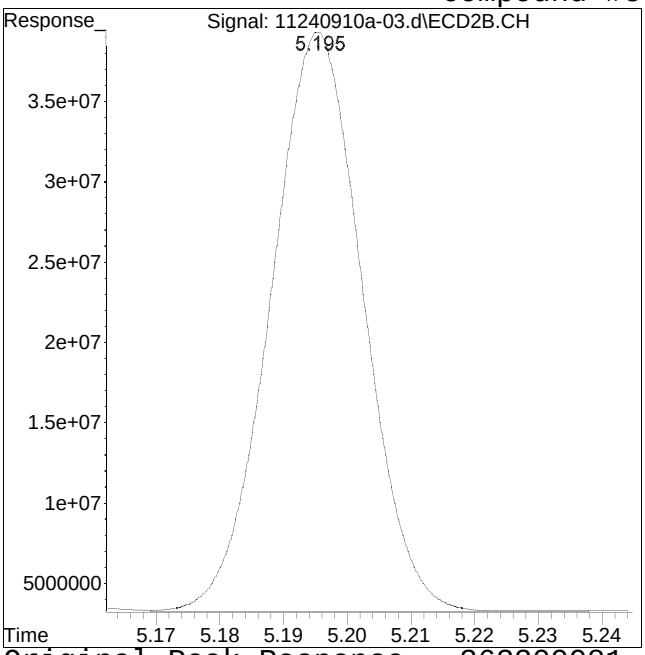


Manual Peak Response = 360101208 M4
M4 = Poor automated baseline construction.

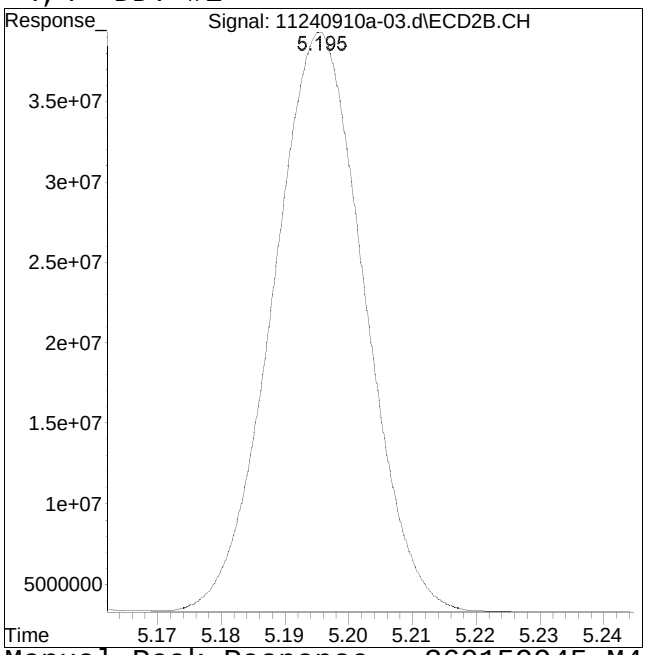
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #59: 4,4'-DDT #2



Original Peak Response = 363309981



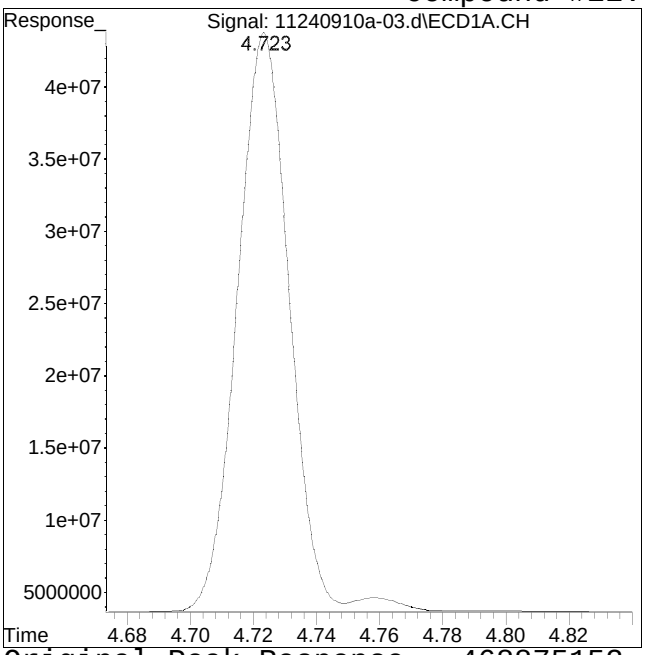
Manual Peak Response = 360159945 M4

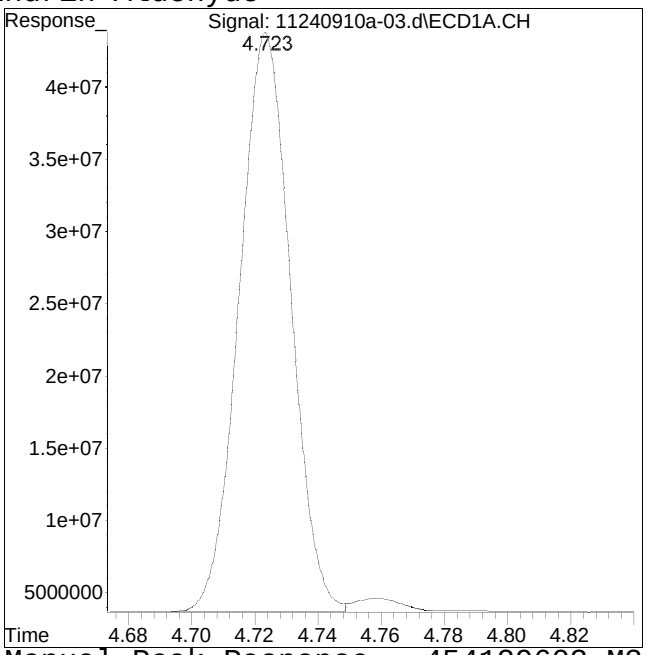
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #22: Endrin Aldehyde



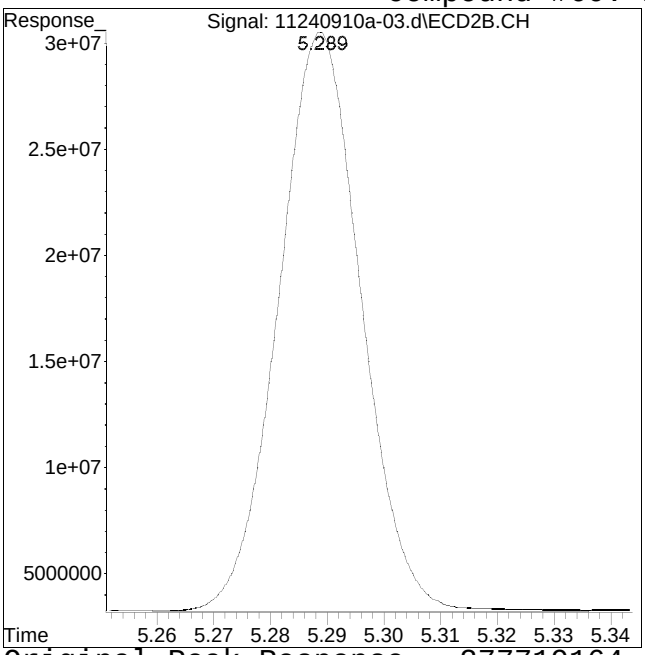


Original Peak Response = 468875152 Manual Peak Response = 454129603 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

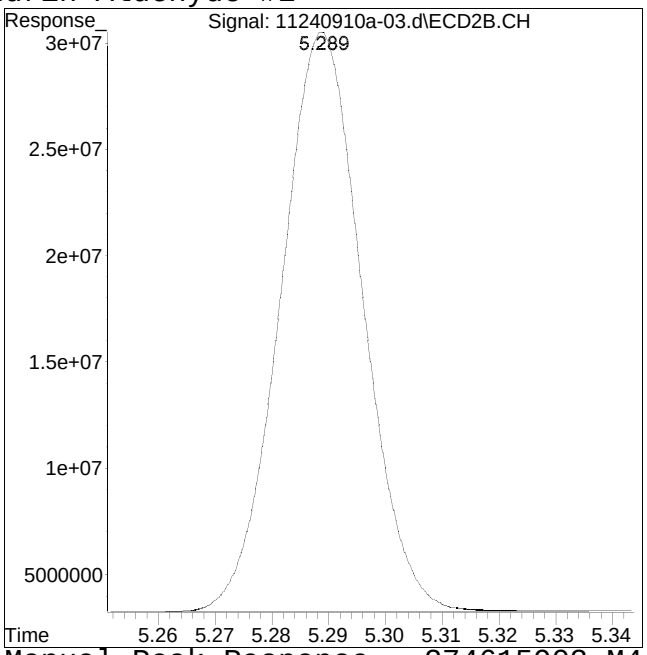
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #60: Endrin Aldehyde #2



Original Peak Response = 277719164



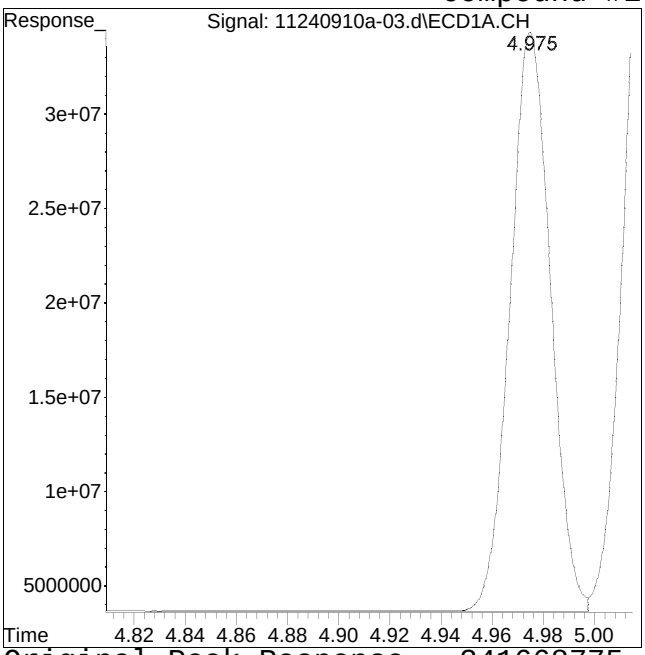
Manual Peak Response = 274615903 M4

M4 = Poor automated baseline construction.

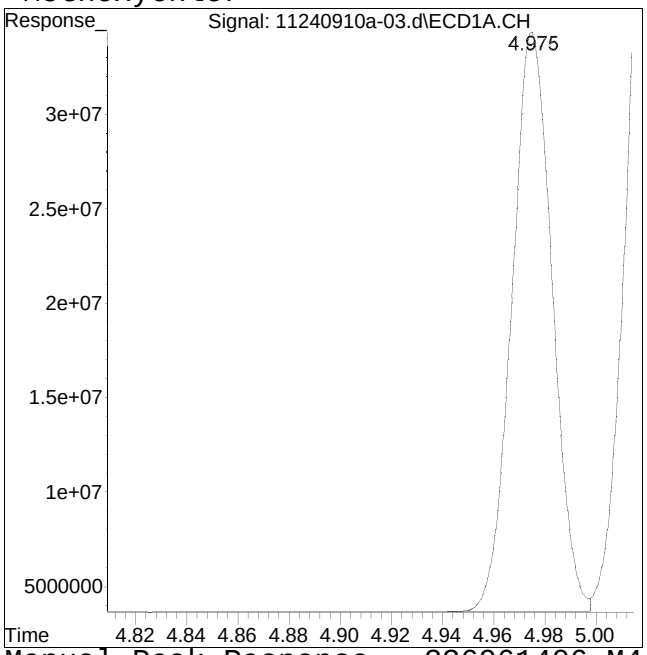
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #23: Methoxychlor



Original Peak Response = 341668775

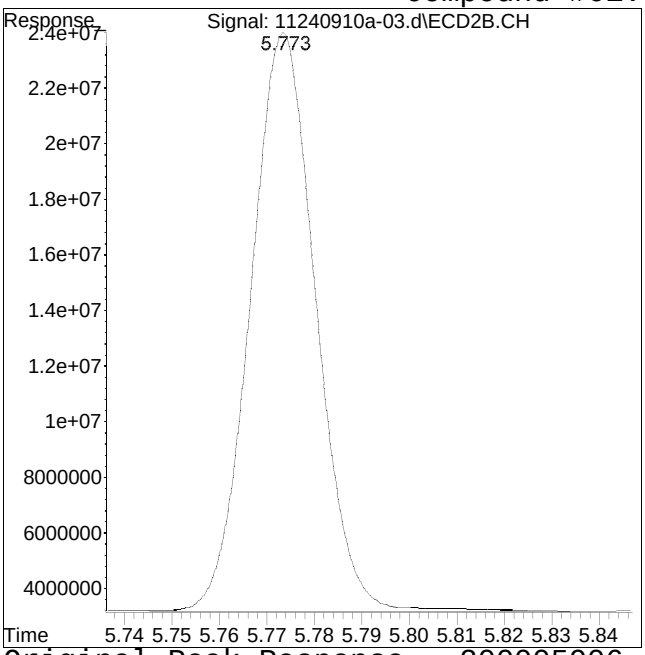


Manual Peak Response = 336961406 M4
M4 = Poor automated baseline construction.

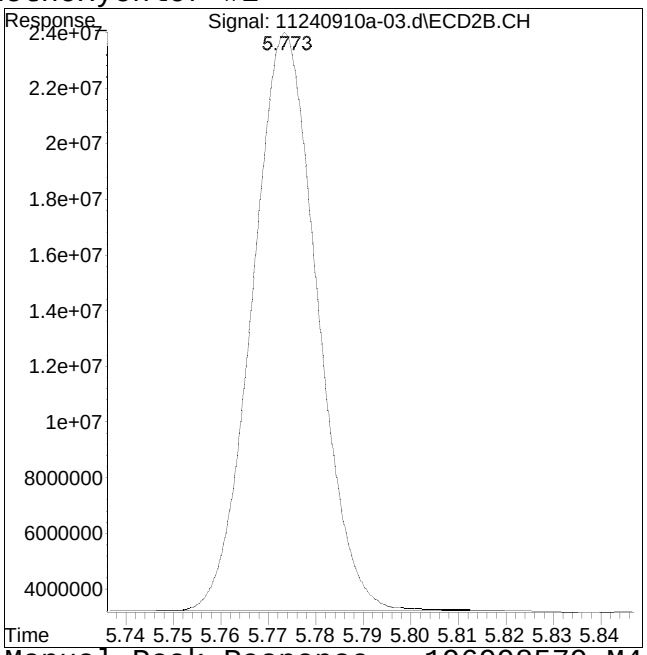
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #61: Methoxychlor #2



Original Peak Response = 200005906



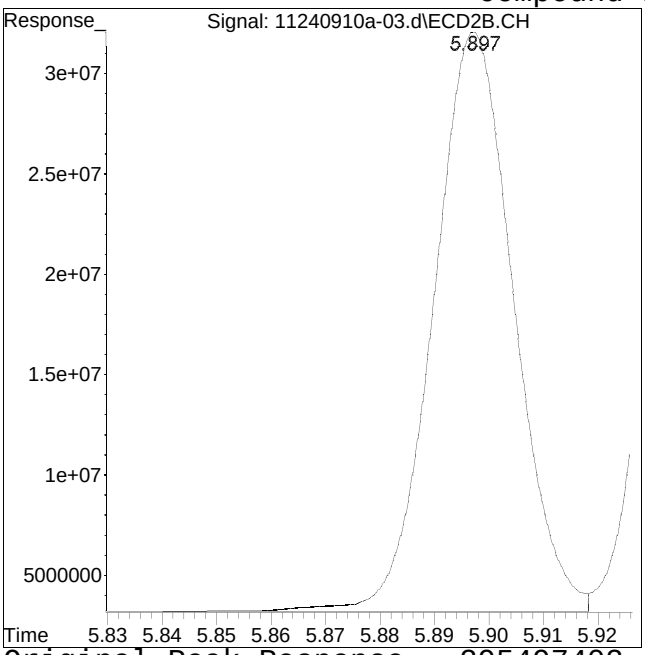
Manual Peak Response = 196998579 M4

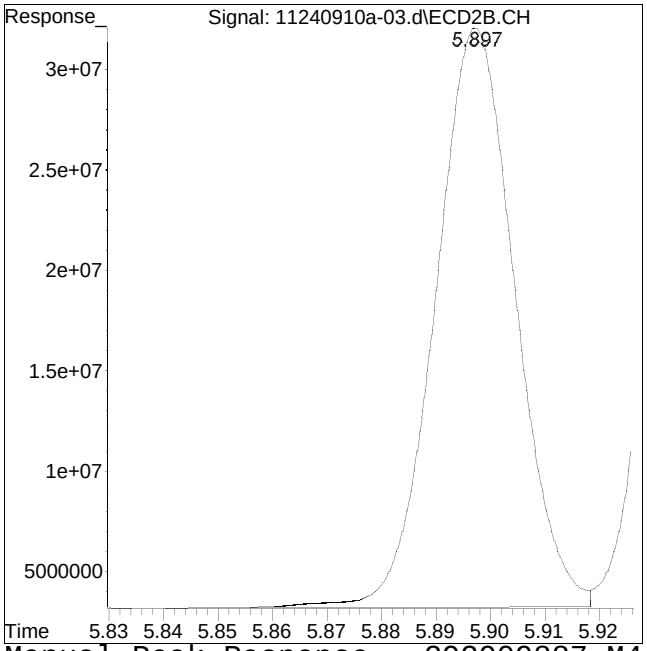
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #62: Mirex #2



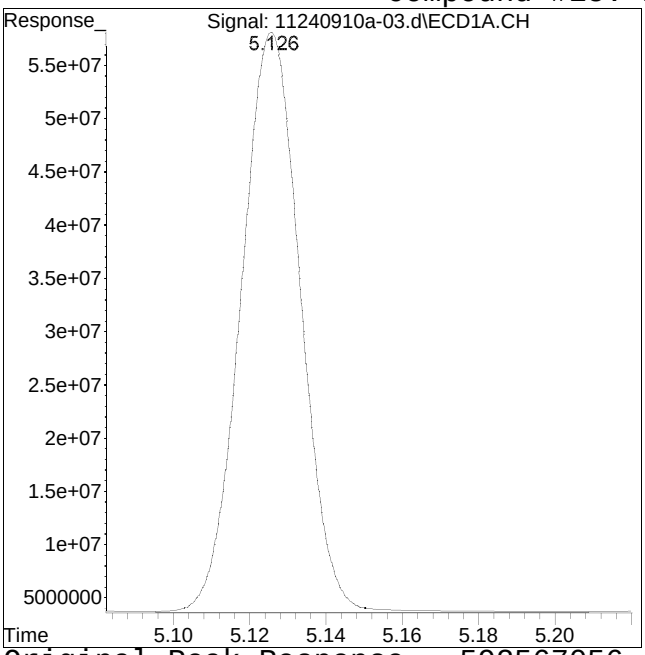


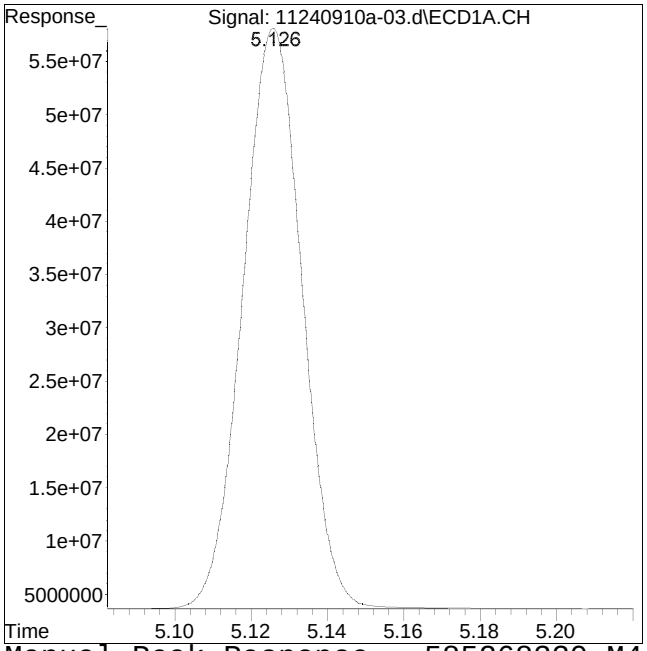
Original Peak Response = 295497402 Manual Peak Response = 292909887 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #25: Endosulfan Sulfate



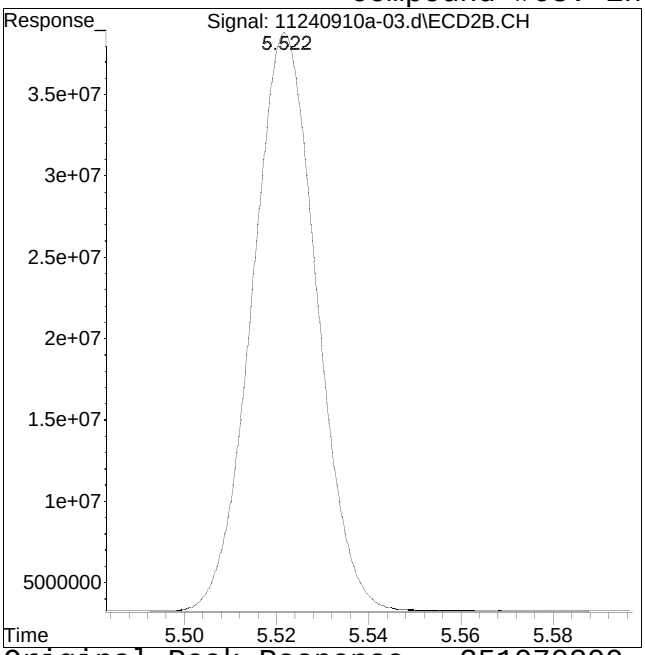


Original Peak Response = 592567056 Manual Peak Response = 585268330 M4
M4 = Poor automated baseline construction.

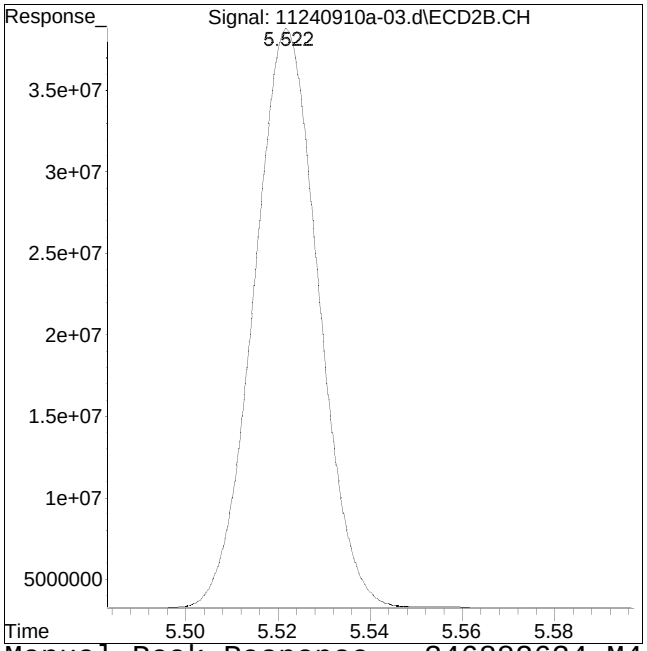
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 351070309



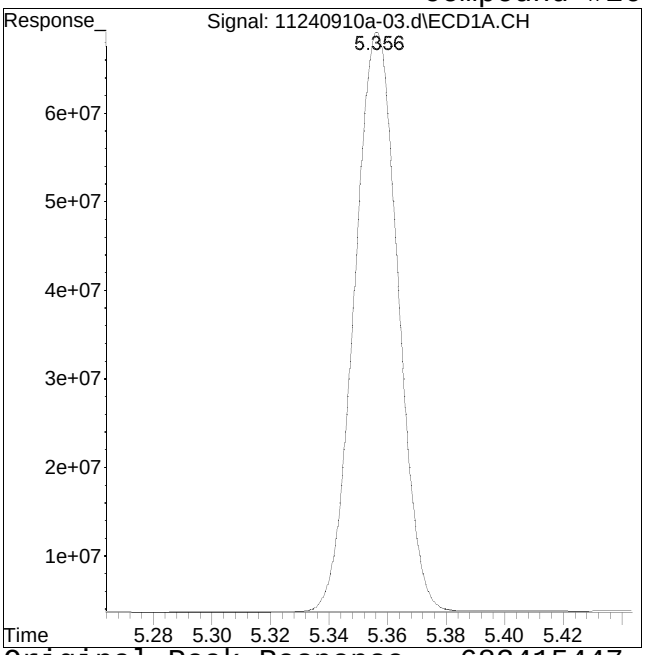
Manual Peak Response = 346882634 M4

M4 = Poor automated baseline construction.

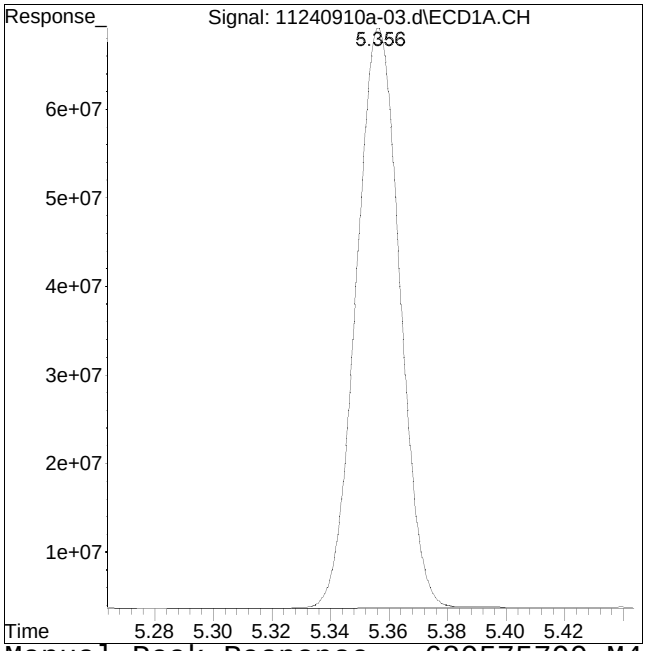
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #26: Endrin Ketone



Original Peak Response = 683415447



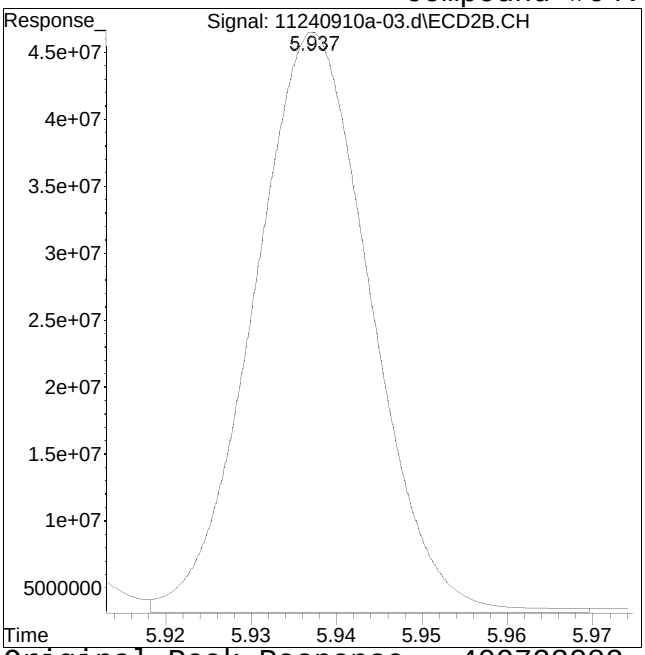
Manual Peak Response = 680575790 M4

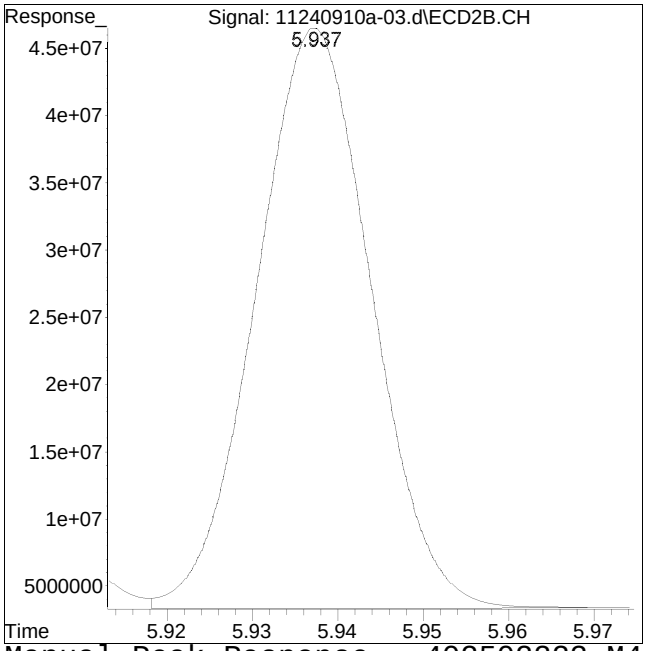
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #64: Endrin Ketone #2



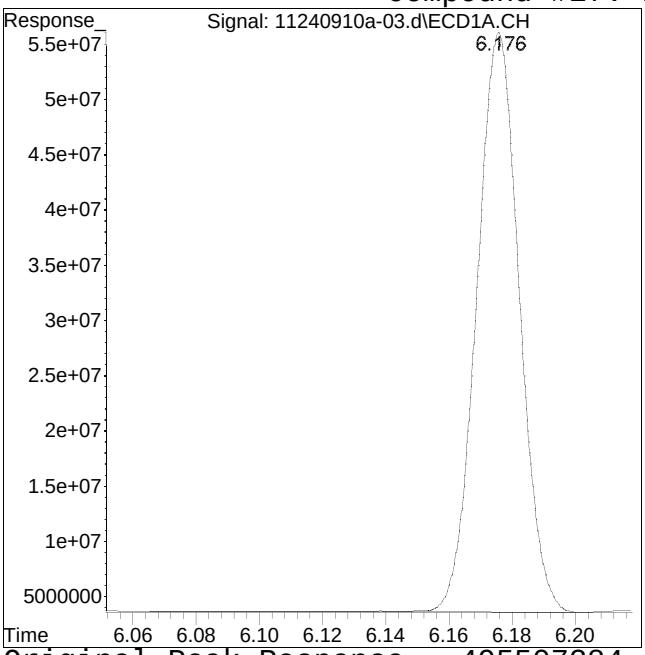


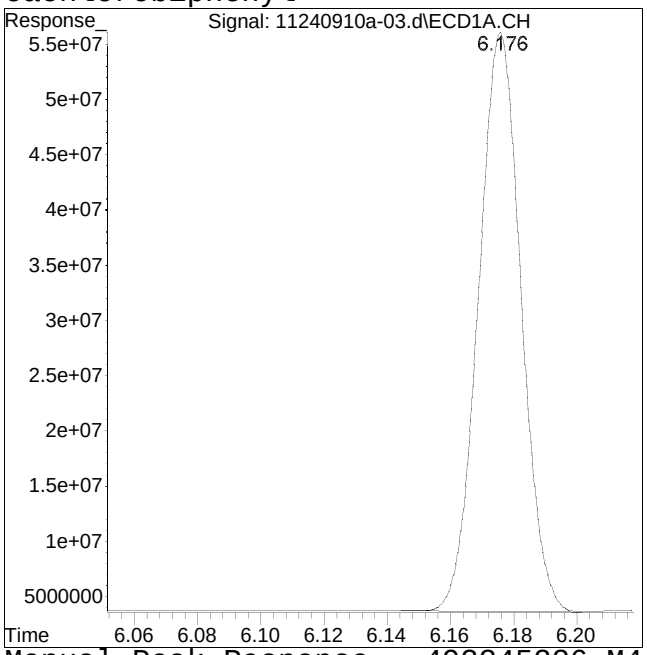
Original Peak Response = 409723282 Manual Peak Response = 402502223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-03.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:18 Instrument : Pest 11
Sample : wg1969659-1,42,,pest11675 Quant Date : 9/10/2024 9:45 am

Compound #27: Decachlorobiphenyl





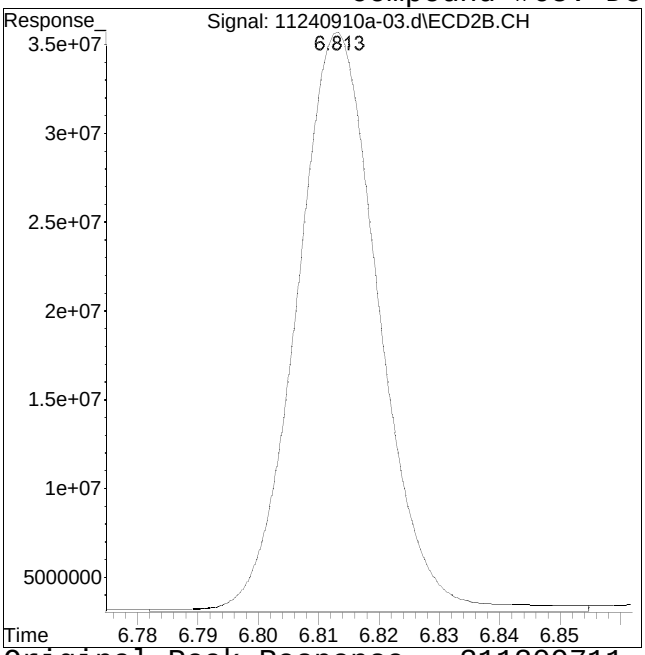
Original Peak Response = 495507384 Manual Peak Response = 492345226 M4
M4 = Poor automated baseline construction.

Manual Integration Report

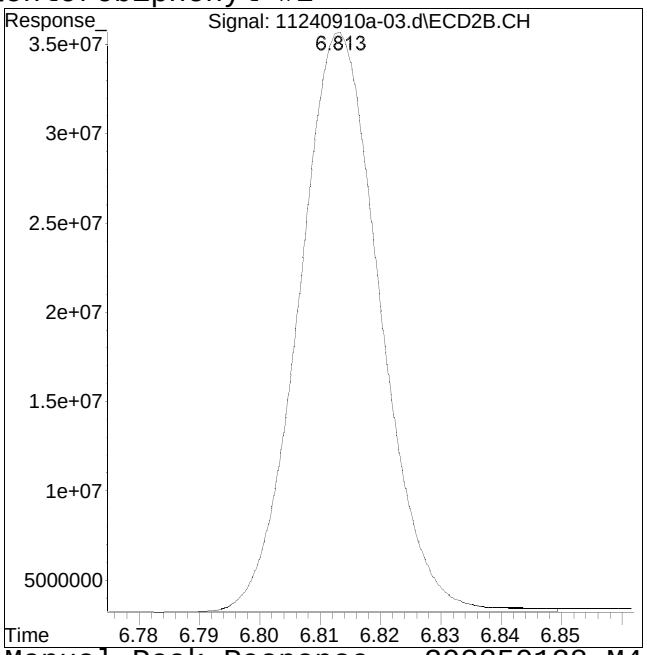
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-03.d
Date Inj'd : 9/10/2024 9:18
Sample : wg1969659-1,42,,pest11675

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #65: Decachlorobiphenyl #2



Original Peak Response = 311309711



Manual Peak Response = 303250138 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:30
Operator : PEST11:akm
Sample   : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	111	0.00
29	l1	chlordane-1		*1000.000	1171.148	-17.1	126	0.00
30	l1	chlordane-3		*1000.000	1176.517	-17.7	123	0.00
31	l1	chlordane-4		*1000.000	1166.841	-16.7	124	0.00
32	l1	chlordane-5		*1000.000	1305.639	-30.6#	137	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	97	0.00
29	l1	chlordane-1		*1000.000	915.335	8.5	83	0.00
30	l1	chlordane-3		*1000.000	944.789	5.5	82	0.00
31	l1	chlordane-4		*1000.000	846.488	15.4	76	0.00
32	l1	chlordane-5		*1000.000	837.331	16.3	76	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.56#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.76#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.86#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.05#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.11#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.23#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.39#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.62#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.74#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.83#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.15#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.27#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:30
Operator : PEST11:akm
Sample   : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.40#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.50#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.53#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.79#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.04#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.16#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.29#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.47#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.72#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-4.97#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.02#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.13#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.36#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.18#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.23#
34	l2	toxaphene-2		*2000.000	0.000	100.0#	0	-4.28#
35	l2	toxaphene-3		*2000.000	0.000	100.0#	0	-4.41#
36	l2	toxaphene-4		*2000.000	0.000	100.0#	0	-4.65#
37	l2	toxaphene-5		*2000.000	0.000	100.0#	0	-5.03#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.30#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.76#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.06#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.15#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.43#
6	t	beta-BHC	*	50.000	0.000	100.0#	0	-2.49#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.75#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:30
Operator : PEST11:akm
Sample   : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.81#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.12#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.01#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.35#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.71#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-3.93#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.10#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.31#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.16#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.47#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.78#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-4.91#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-4.98#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.20#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.29#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.77#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.90#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.52#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-5.94#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.81#
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	0	-1.30#
34	l2	toxaphene-2	*	2000.000	0.000	100.0#	0	-4.94#
35	l2	toxaphene-3	*	2000.000	0.000	100.0#	0	-4.97#
36	l2	toxaphene-4	*	2000.000	0.000	100.0#	0	-5.30#
37	l2	toxaphene-5	*	2000.000	0.000	100.0#	0	-5.71#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:30
Operator : PEST11:akm
Sample : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.227	1.300	247.0E6	178.7E6	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:30
Operator : PEST11:akm
Sample : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.329	2.678	421.1E6	243.4E6	1171.148	915.335	
30) l1	chlordane-3	2.733	3.264	491.4E6	276.2E6	1176.517	944.789	
31) l1	chlordane-4	3.273	3.928	1793.5E6	944.7E6	1166.841	846.488	
32) l1	chlordane-5	3.395	4.098	3080.2E6	718.0E6	1305.639	837.331	
Sum	chlordane-1			5786.2E6	2182.3E6	N.D.	N.D.	D
Average	chlordane-1					1205.036	885.986	
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

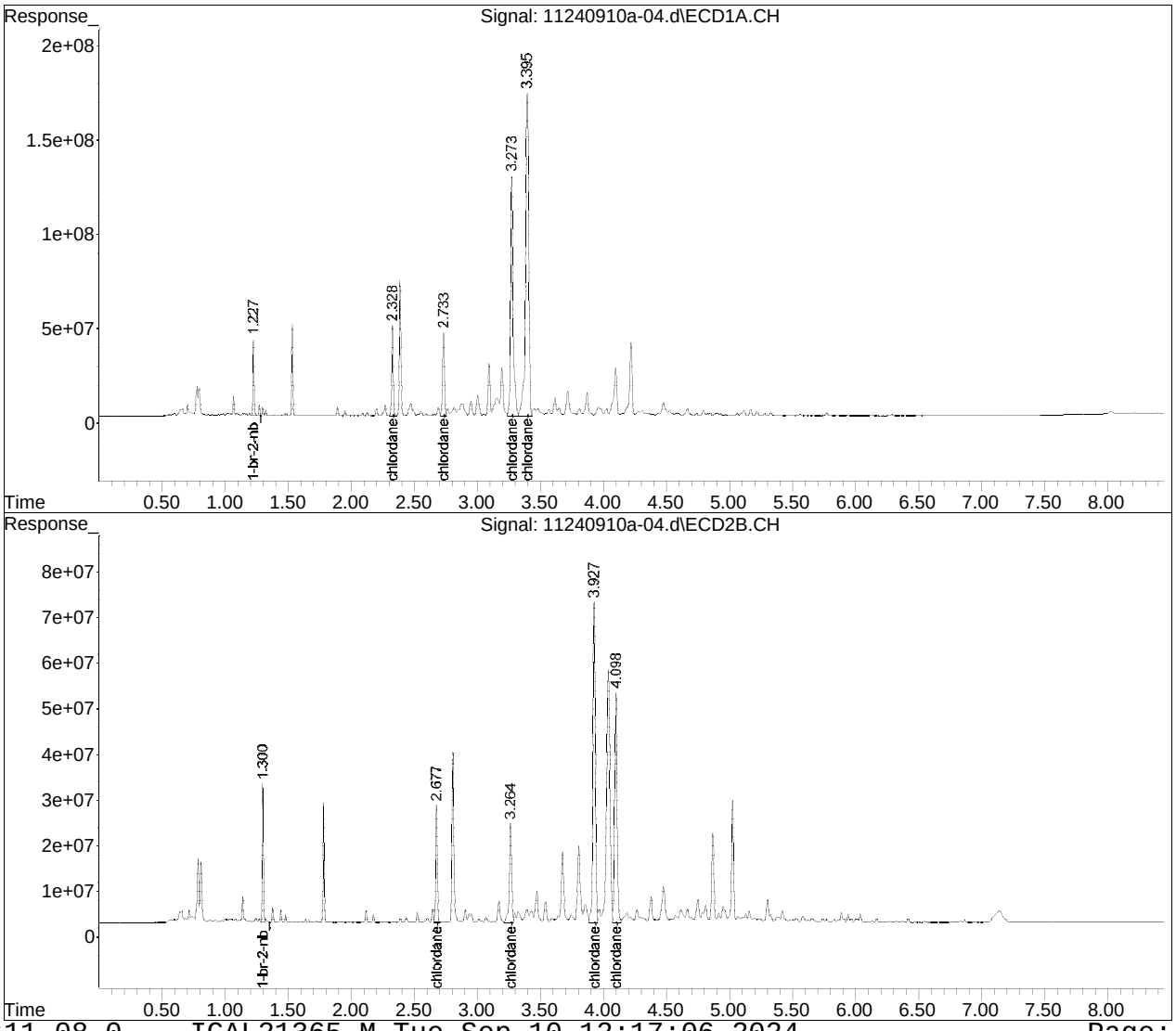
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:30
Operator : PEST11:akm
Sample : wg1969659-2,42,,chlor11670 (Sig #1); chlor11670 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:49:14 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:49:09 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

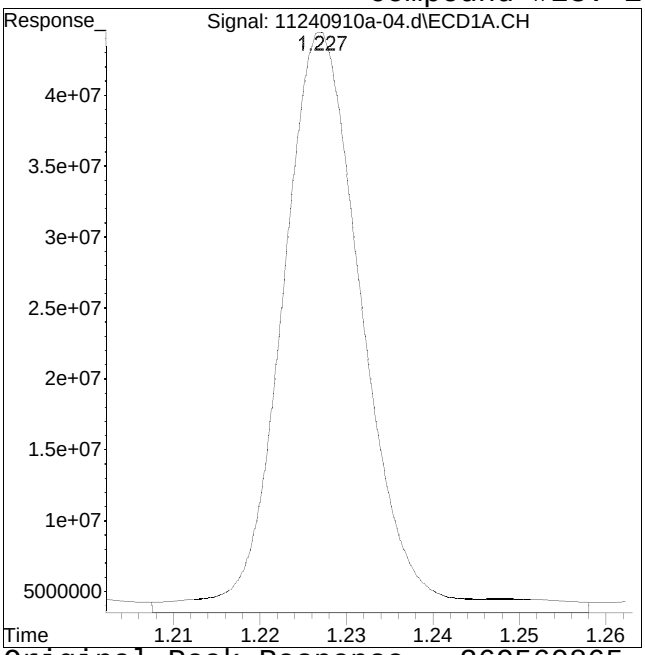
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

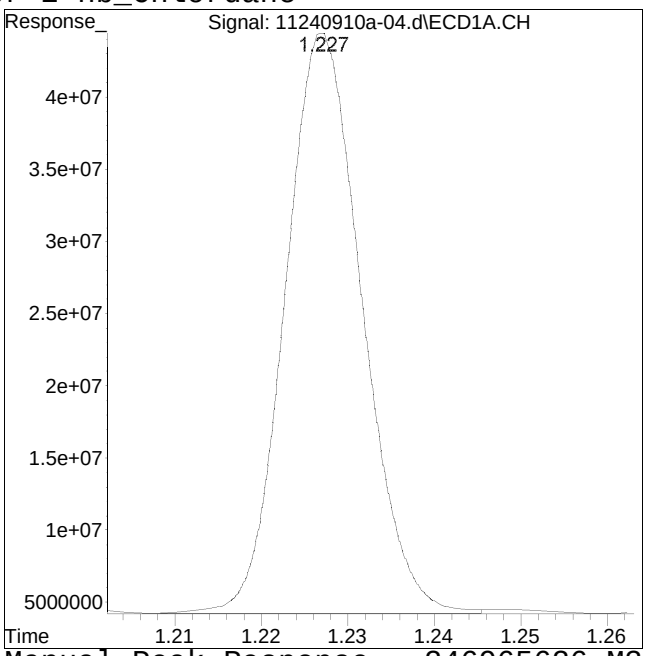


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-04.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:30 Instrument : Pest 11
Sample : wg1969659-2,42,,chlor11670Quant Date : 9/10/2024 9:49 am

Compound #28: 1-br-2-nb_Chlordane



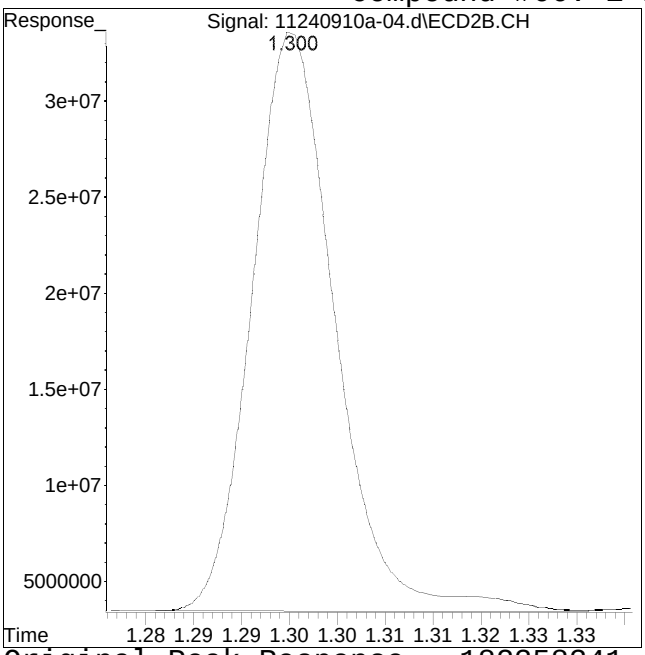


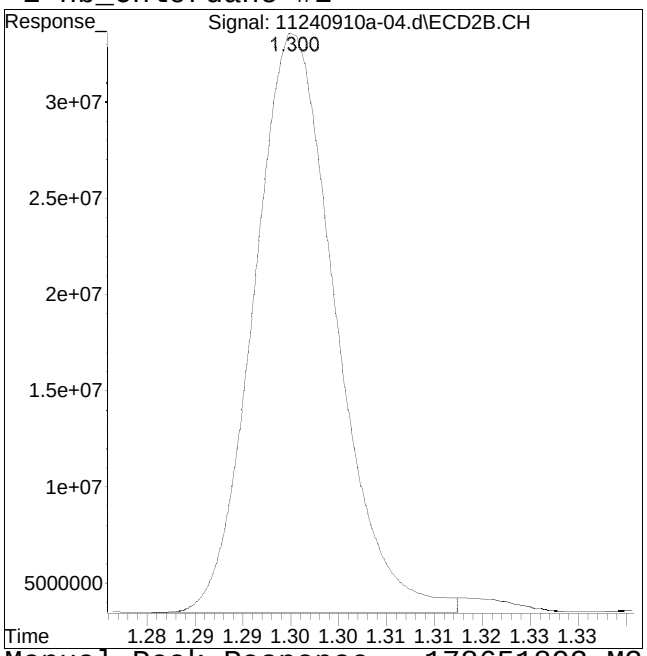
Original Peak Response = 269560865 Manual Peak Response = 246965626 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-04.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:30 Instrument : Pest 11
Sample : wg1969659-2,42,,chlor11670Quant Date : 9/10/2024 9:49 am

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 182358341 Manual Peak Response = 178651892 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:42
Operator : PEST11:akm
Sample   : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	129	0.00
34	l2	toxaphene-2		*2000.000	2255.749	-12.8	141	0.00
35	l2	toxaphene-3		*2000.000	2169.888	-8.5	135	0.00
36	l2	toxaphene-4		*2000.000	2056.625	-2.8	131	0.00
37	l2	toxaphene-5		*2000.000	2085.777	-4.3	131	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	^	1.000	1.000	0.0	98	0.00
34	l2	toxaphene-2		*2000.000	1690.423	15.5	83	0.00
35	l2	toxaphene-3		*2000.000	1809.236	9.5	88	0.00
36	l2	toxaphene-4		*2000.000	1695.230	15.2	83	0.00
37	l2	toxaphene-5		*2000.000	1836.617	8.2	90	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xylen		1.039	0.000	100.0#	0#	-1.56#
3	t	Hexachlorobenzene		1.406	0.000	100.0#	0#	-1.76#
4	t	alpha-BHC		1.461	0.000	100.0#	0#	-1.86#
5	t	gamma-BHC (lindane)		1.395	0.000	100.0#	0#	-2.05#
6	t	beta-BHC		0.628	0.000	100.0#	0#	-2.11#
7	t	delta-BHC		1.374	0.000	100.0#	0#	-2.23#
8	t	Heptachlor		1.321	0.000	100.0#	0#	-2.39#
9	t	Aldrin		1.233	0.000	100.0#	0#	-2.62#
10	t	Alachlor		0.230	0.000	100.0#	0#	-2.74#
11	t	Chlorpyrifos		0.590	0.000	100.0#	0#	-2.83#
12	t	Heptachlor Epoxide		1.185	0.000	100.0#	0#	-3.15#
13	t	gamma-Chlordane (trans)		1.077	0.000	100.0#	0#	-3.27#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:42
Operator : PEST11:akm
Sample   : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)		1.216	0.000	100.0#	0#	-3.40#
15	t	4,4'-DDE		1.192	0.000	100.0#	0#	-3.50#
16	t	Endosulfan I		1.116	0.000	100.0#	0#	-3.53#
17	t	Dieldrin		1.135	0.000	100.0#	0#	-3.79#
18	t	Endrin		1.153	0.000	100.0#	0#	-4.04#
19	t	4,4'-DDD		0.927	0.000	100.0#	0#	-4.16#
20	t	Endosulfan II		1.052	0.000	100.0#	0#	-4.29#
21	t	4,4'-DDT		1.058	0.000	100.0#	0#	-4.47#
22	t	Endrin Aldehyde		0.886	0.000	100.0#	0#	-4.72#
23	t	Methoxychlor		0.592	0.000	100.0#	0#	-4.97#
24	t	Mirex		0.938	0.000	100.0#	0#	-5.02#
25	t	Endosulfan Sulfate		1.010	0.000	100.0#	0#	-5.13#
26	t	Endrin Ketone		1.183	0.000	100.0#	0#	-5.36#
27	s	Decachlorobiphenyl		1.163	0.000	100.0#	0#	-6.18#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.23#
29	l1	chlordane-1		*1000.000	0.000	100.0#	0	-2.33#
30	l1	chlordane-3		*1000.000	0.000	100.0#	0	-2.73#
31	l1	chlordane-4		*1000.000	0.000	100.0#	0	-3.27#
32	l1	chlordane-5		*1000.000	0.000	100.0#	0	-3.40#

Signal #2

1	i	1-br-2-nb_Pesticides	^	1.000	1.000	0.0	0	-1.30#
2	s	2,4,5,6-Tetrachloro-m-xyl		1.114	0.000	100.0#	0#	-1.76#
3	t	Hexachlorobenzene		1.239	0.000	100.0#	0#	-2.06#
4	t	alpha-BHC		1.620	0.000	100.0#	0#	-2.15#
5	t	gamma-BHC (lindane)		1.539	0.000	100.0#	0#	-2.43#
6	t	beta-BHC		* 50.000	0.000	100.0#	0	-2.49#
7	t	delta-BHC		1.523	0.000	100.0#	0#	-2.75#

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 10 Sep 2024   9:42
Operator : PEST11:akm
Sample   : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc   : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
8	t	Heptachlor		1.598	0.000	100.0#	0#	-2.81#
9	t	Aldrin		1.435	0.000	100.0#	0#	-3.12#
10	t	Alachlor	*	50.000	0.000	100.0#	0	-3.01#
11	t	Chlorpyrifos	*	50.000	0.000	100.0#	0	-3.35#
12	t	Heptachlor Epoxide		1.425	0.000	100.0#	0#	-3.71#
13	t	gamma-Chlordane (trans)		1.312	0.000	100.0#	0#	-3.93#
14	t	alpha-Chlordane (cis)		1.446	0.000	100.0#	0#	-4.10#
15	t	4,4'-DDE		1.343	0.000	100.0#	0#	-4.31#
16	t	Endosulfan I		1.332	0.000	100.0#	0#	-4.16#
17	t	Dieldrin		1.327	0.000	100.0#	0#	-4.47#
18	t	Endrin		1.347	0.000	100.0#	0#	-4.78#
19	t	4,4'-DDD		1.084	0.000	100.0#	0#	-4.91#
20	t	Endosulfan II		1.214	0.000	100.0#	0#	-4.98#
21	t	4,4'-DDT		1.250	0.000	100.0#	0#	-5.20#
22	t	Endrin Aldehyde	*	50.000	0.000	100.0#	0	-5.29#
23	t	Methoxychlor		0.704	0.000	100.0#	0#	-5.77#
24	t	Mirex	*	50.000	0.000	100.0#	0	-5.90#
25	t	Endosulfan Sulfate		1.199	0.000	100.0#	0#	-5.52#
26	t	Endrin Ketone		1.261	0.000	100.0#	0#	-5.94#
27	s	Decachlorobiphenyl		1.060	0.000	100.0#	0#	-6.81#
28	i	1-br-2-nb_Chlordane	^	1.000	1.000	0.0	0	-1.30#
29	l1	chlordane-1	*	1000.000	0.000	100.0#	0	-2.68#
30	l1	chlordane-3	*	1000.000	0.000	100.0#	0	-3.26#
31	l1	chlordane-4	*	1000.000	0.000	100.0#	0	-3.93#
32	l1	chlordane-5	*	1000.000	0.000	100.0#	0	-4.10#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:42
Operator : PEST11:akm
Sample : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.228	1.301	280.9E6	171.7E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:42
Operator : PEST11:akm
Sample : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.283	4.945	1410.1E6	273.6E6	2255.749	1690.423M3
35) l2	toxaphene-3	4.412	4.972	1059.8E6	433.1E6	2169.888M3	1809.236
36) l2	toxaphene-4	4.649	5.300	1011.6E6	487.2E6	2056.625	1695.230
37) l2	toxaphene-5	5.032	5.712	930.7E6	486.2E6	2085.777	1836.617
Sum	toxaphene-2			4412.3E6	1680.1E6	8568.039	7031.506
Average	toxaphene-2					2142.010	1757.877

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			4412.3E6	1680.1E6	8568.039	7031.506
Average	toxaphene-2					2142.010	1757.877

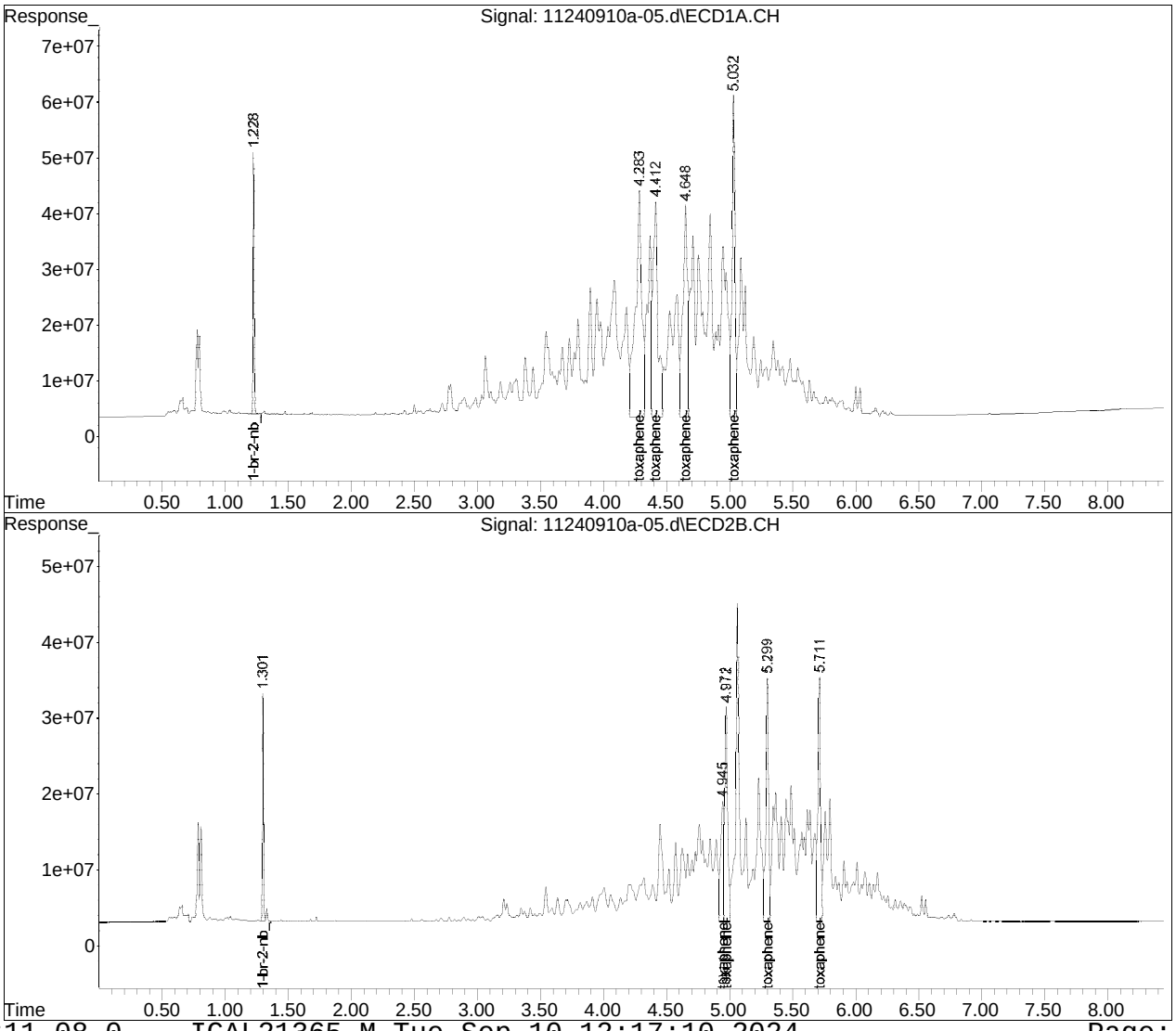
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:42
Operator : PEST11:akm
Sample : wg1969659-3,42,,tox11668 (Sig #1); tox11668 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:55:28 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

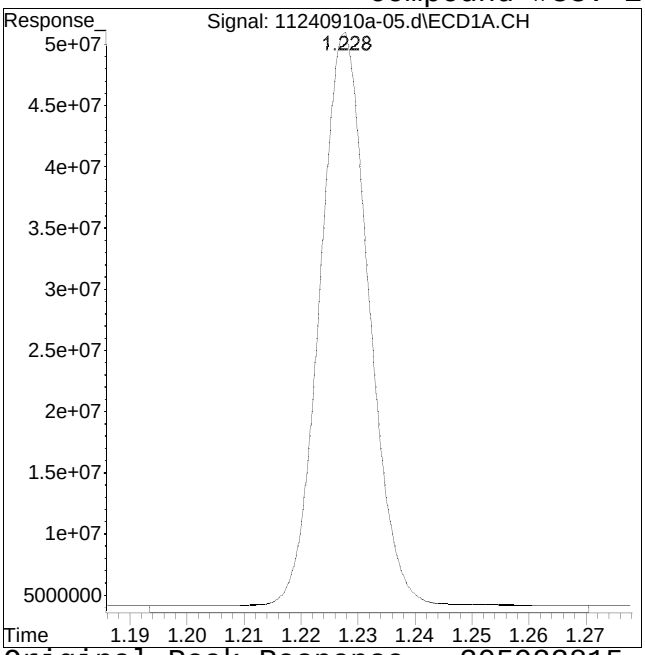
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

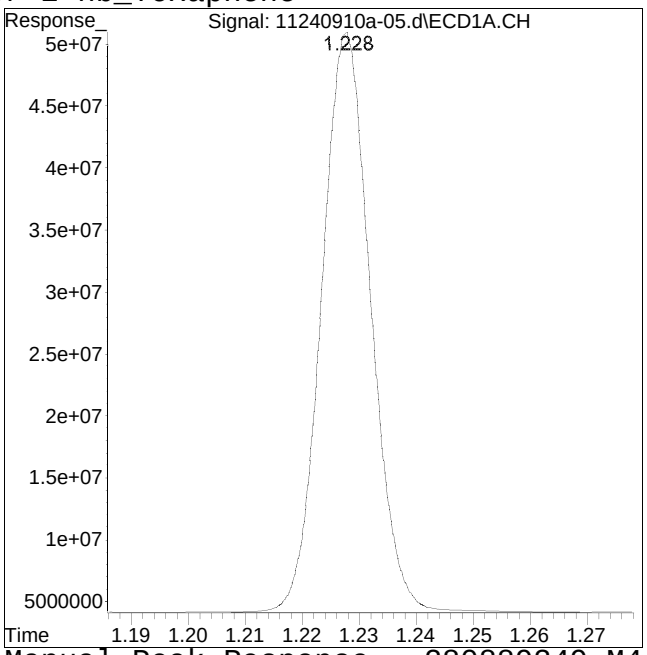


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-05.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:42 Instrument : Pest 11
Sample : wg1969659-3,42,,tox11668 Quant Date : 9/10/2024 9:55 am

Compound #33: 1-br-2-nb_Toxaphene



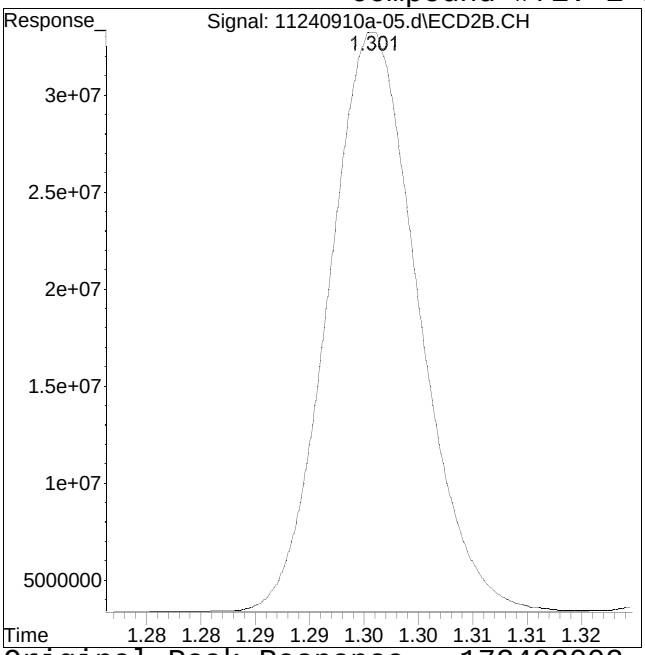


Original Peak Response = 305923815 Manual Peak Response = 280889349 M4
M4 = Poor automated baseline construction.

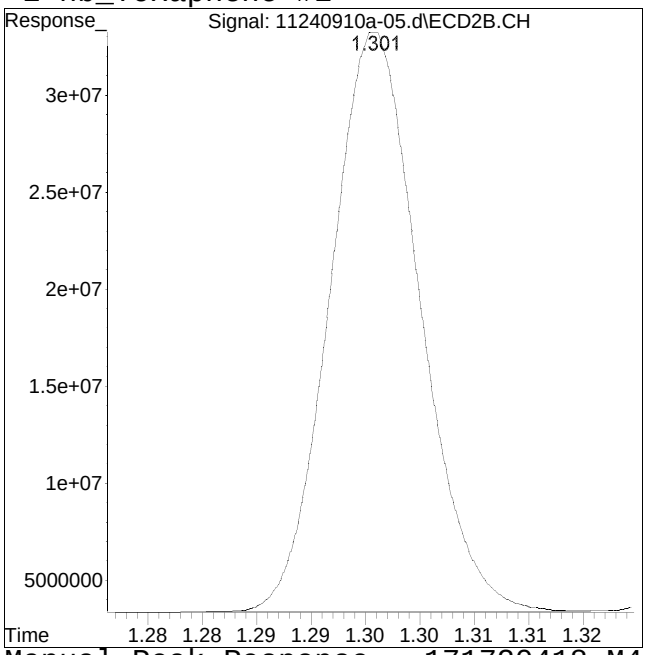
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-05.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:42 Instrument : Pest 11
Sample : wg1969659-3,42,,tox11668 Quant Date : 9/10/2024 9:55 am

Compound #71: 1-br-2-nb_Toxaphene #2



Original Peak Response = 172423002



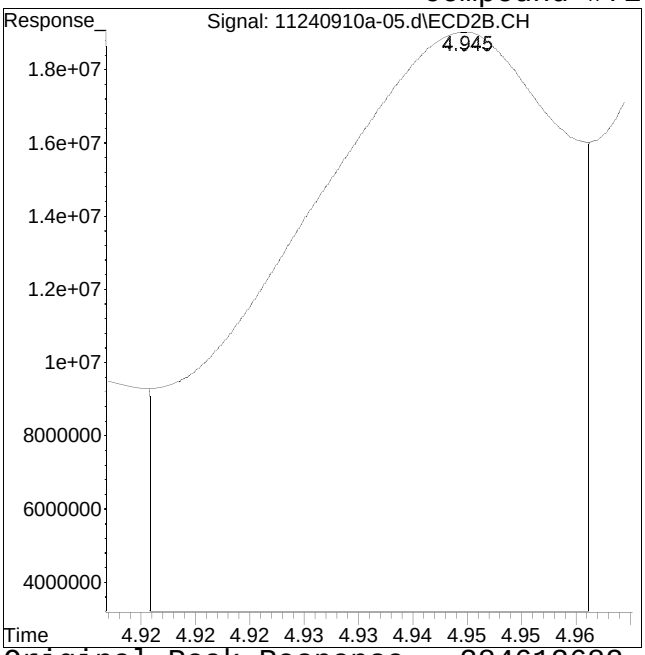
Manual Peak Response = 171720418 M4

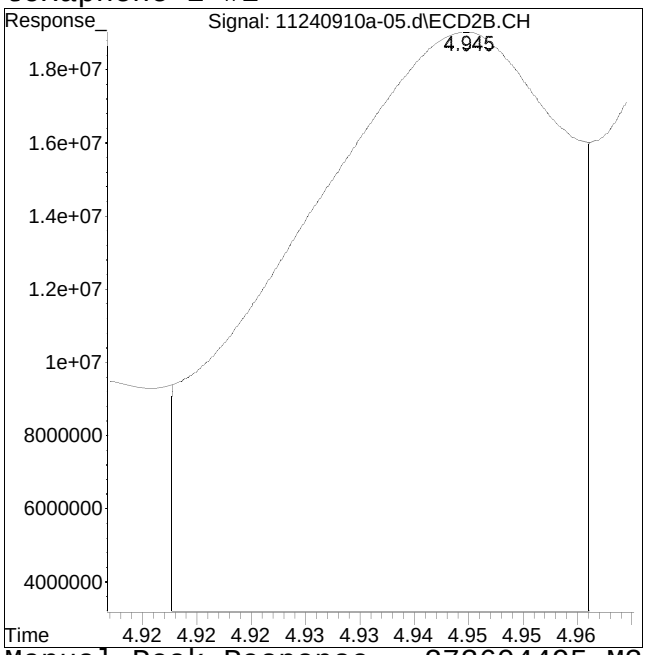
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-05.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:42 Instrument : Pest 11
Sample : wg1969659-3,42,,tox11668 Quant Date : 9/10/2024 9:55 am

Compound #72: toxaphene-2 #2



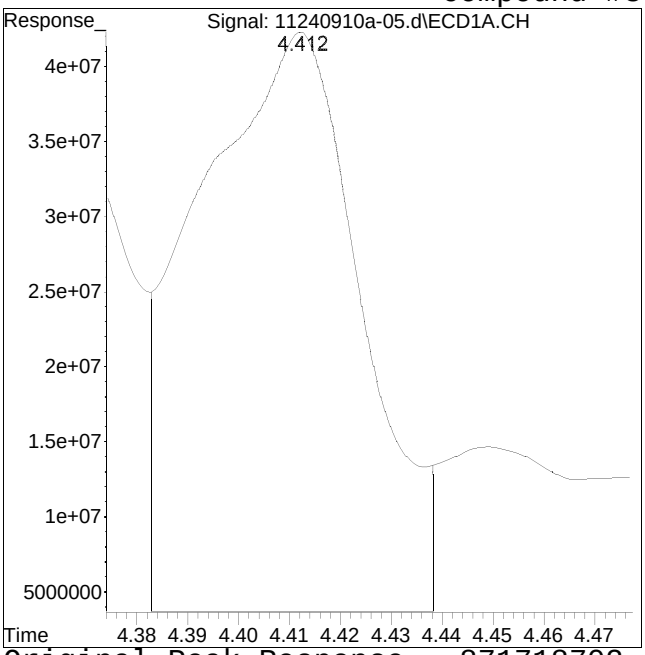


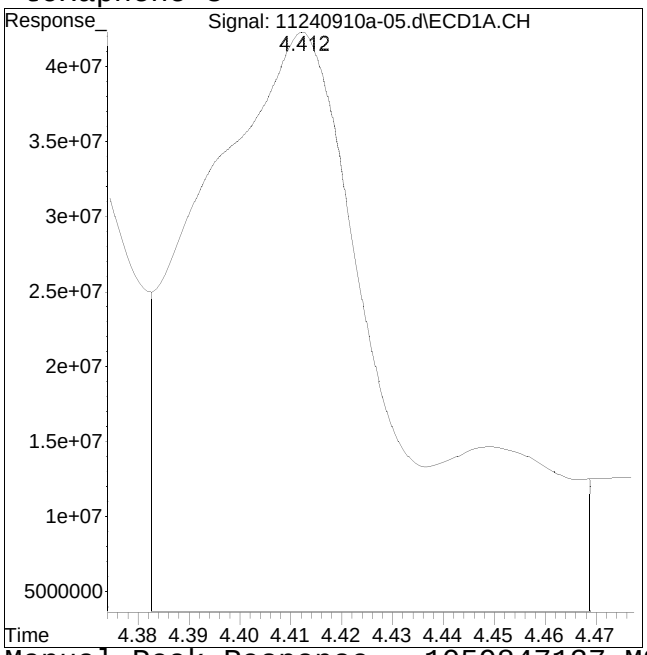
Original Peak Response = 284612682 Manual Peak Response = 273604495 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-05.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:42 Instrument : Pest 11
Sample : wg1969659-3,42,,tox11668 Quant Date : 9/10/2024 9:55 am

Compound #35: toxaphene-3





Original Peak Response = 871718702 Manual Peak Response = 1059847137 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Instrument ID	: PEST11	**Analysis Date**	: 09/10/24 09:06
PEM Standard	: R1874054-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	250829.04061	406139.33708
Endrin	658378463.52141	423569030.22216
4,4'-DDD	732738.92706	666430.76602
4,4'-DDT	1184144546.2810	787903765.03568
Endrin Aldehyde	0	637684.44962
Endrin Ketone	1918485.10322	1630061.05341

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.290	0.532
DDT	0.0830	0.136

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:06
Operator : PEST11:akm
Sample : pem11240910a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:34 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.226	1.299	237.8E6	187.2E6	25.000M4	25.000M4
	System Monitoring Compounds						
	Target Compounds						
15) t D	4,4'-DDE	3.498	4.310	250829	406139	0.022M4	0.040M4
18) t	Endrin	4.033	4.775	658.4E6	423.6E6	60.051	41.994
19) t	4,4'-DDD	4.153	4.911	732739	666431	0.083M2	0.082M4
21) t	4,4'-DDT	4.463	5.194	1184.1E6	787.9E6	117.632	84.147
22) t	Endrin Aldeh	0.000	5.292	0	637684	N.D. d	N.D. M4
26) t	Endrin Keton	5.353	5.936	1918485	1630061	0.170M4	0.173M4
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

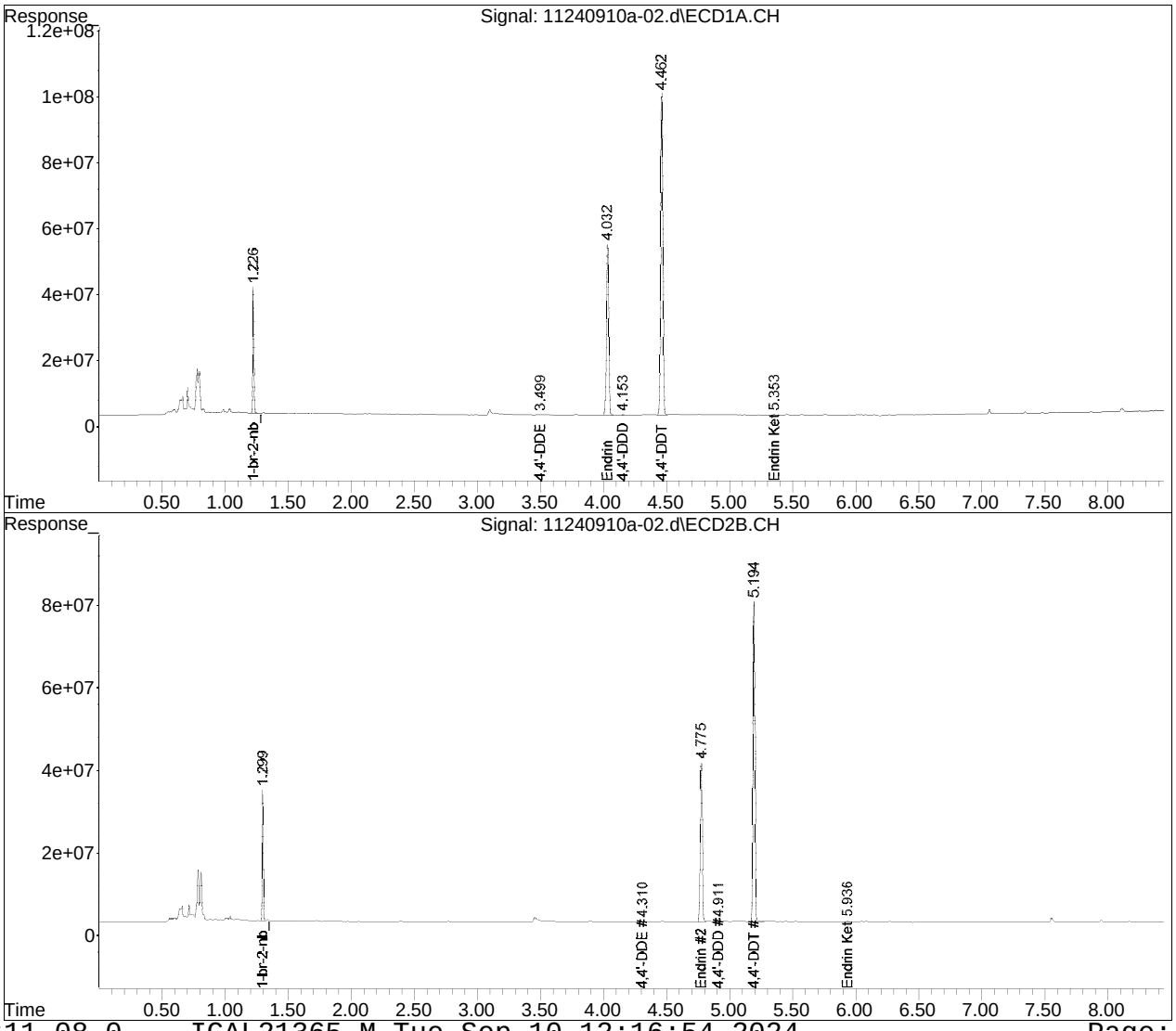
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 9:06
Operator : PEST11:akm
Sample : pem11240910a-01,42,,deg11573 (Sig #1); deg11573 (Sig #2)
Misc : wg1969659,,ical21365
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 09:45:34 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:45:00 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

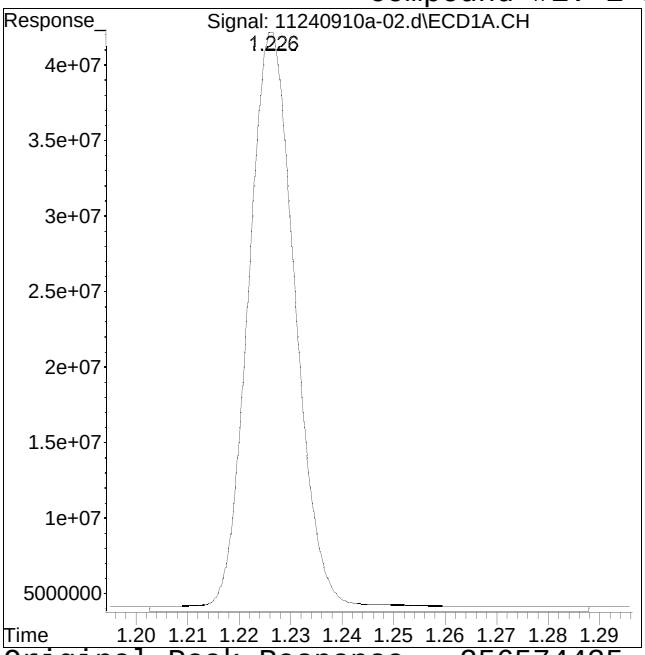
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

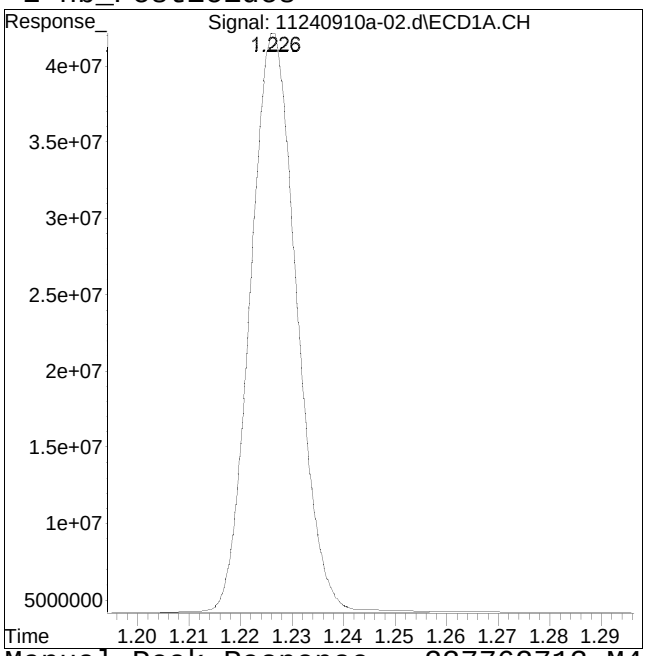


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-02.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:06 Instrument : Pest 11
Sample : pem11240910a-01,42,,deg115Quant Date : 9/10/2024 9:45 am

Compound #1: 1-br-2-nb_Pesticides



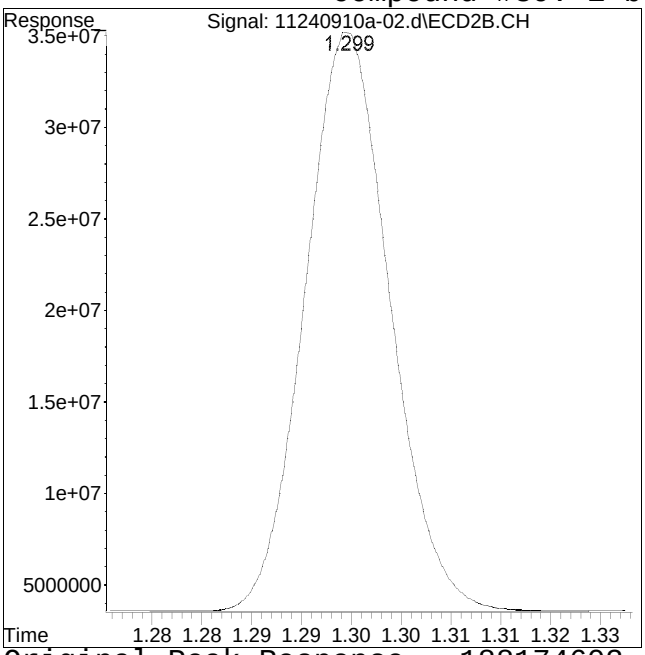


Original Peak Response = 256574435 Manual Peak Response = 237762713 M4
M4 = Poor automated baseline construction.

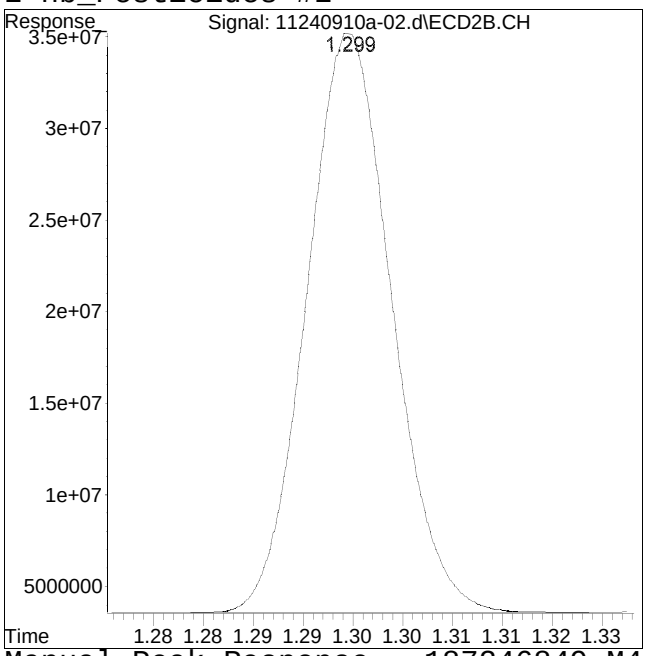
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-02.d
Date Inj'd : 9/10/2024 9:06
Sample : pem11240910a-01,42,,deg115
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #39: 1-br-2-nb_Pesticides #2



Original Peak Response = 188174603



Manual Peak Response = 187246849 M4

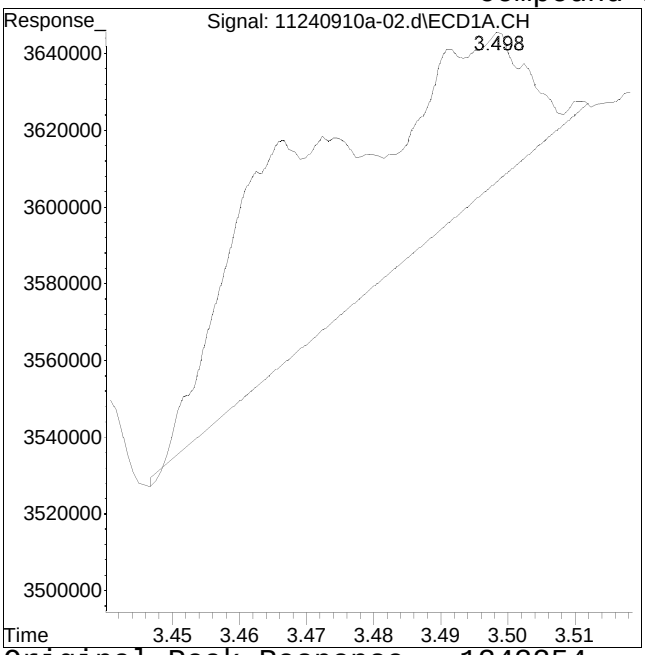
M4 = Poor automated baseline construction.

Manual Integration Report

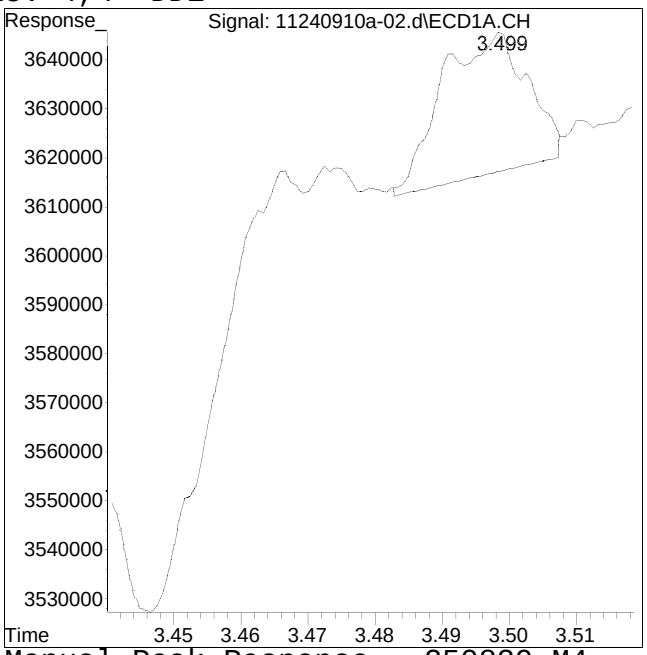
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-02.d
Date Inj'd : 9/10/2024 9:06
Sample : pem11240910a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #15: 4,4'-DDE



Original Peak Response = 1243254



Manual Peak Response = 250829 M4

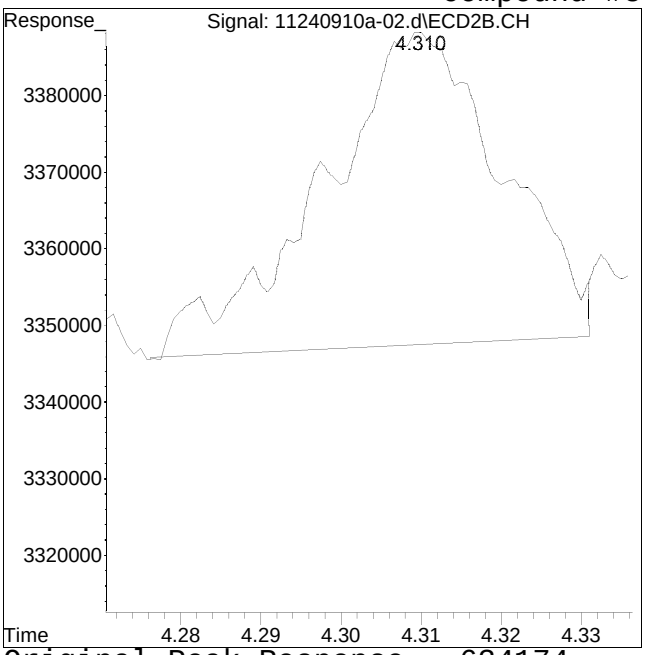
M4 = Poor automated baseline construction.

Manual Integration Report

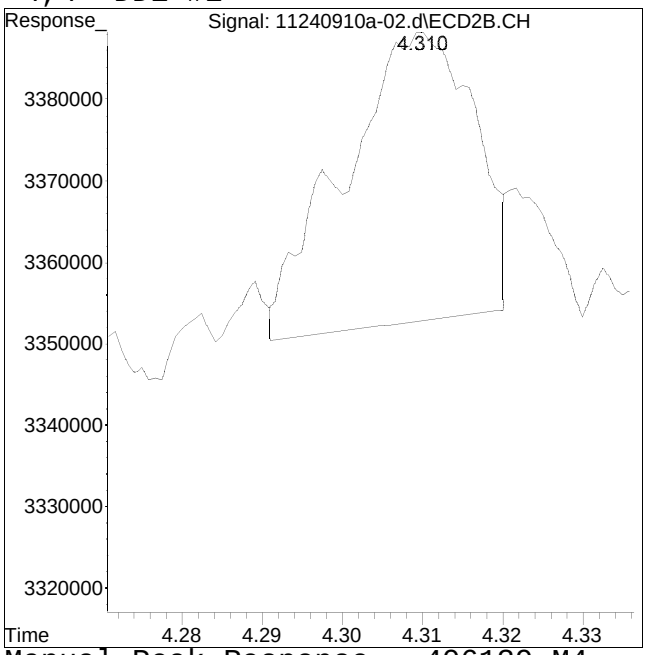
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-02.d
Date Inj'd : 9/10/2024 9:06
Sample : pem11240910a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 634174



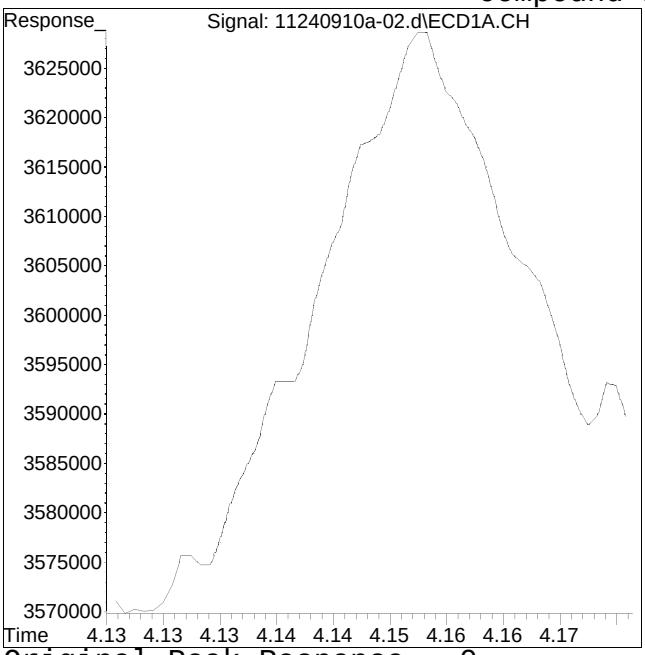
Manual Peak Response = 406139 M4

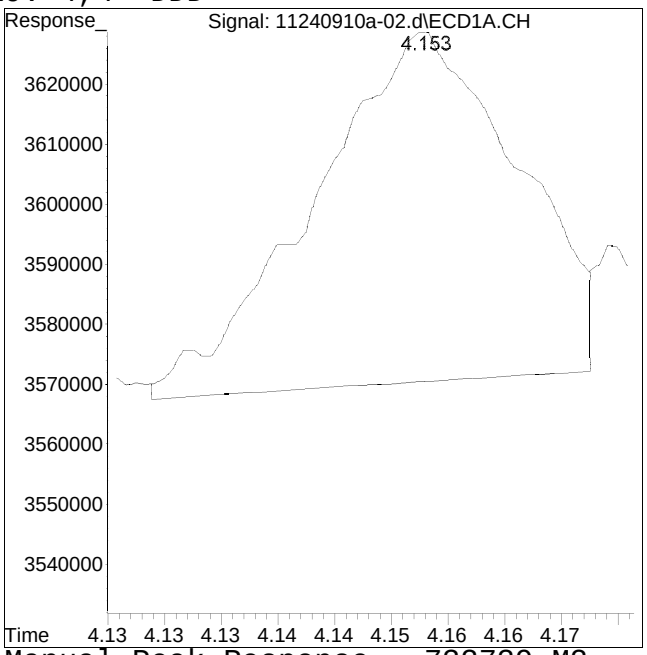
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-02.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:06 Instrument : Pest 11
Sample : pem11240910a-01,42,,deg115Quant Date : 9/10/2024 9:45 am

Compound #19: 4,4'-DDD



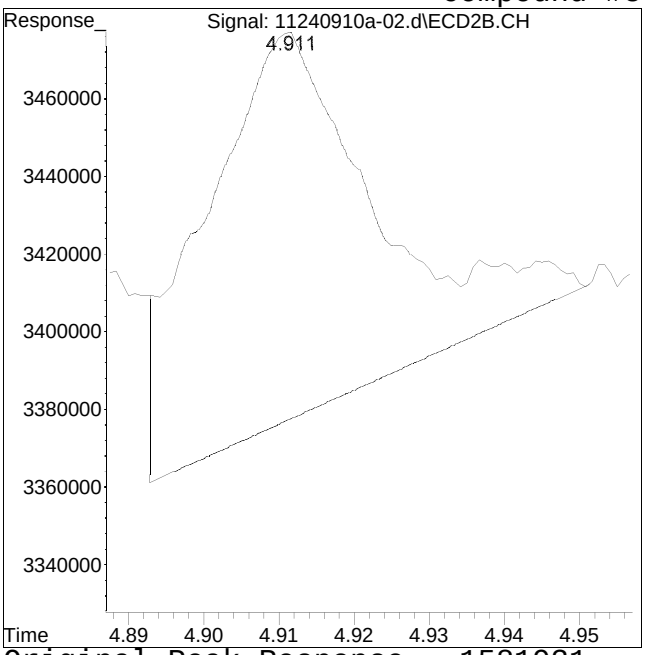


Original Peak Response = 0 Manual Peak Response = 732739 M2
M2 = Peak not found by automatic integration algorithm.

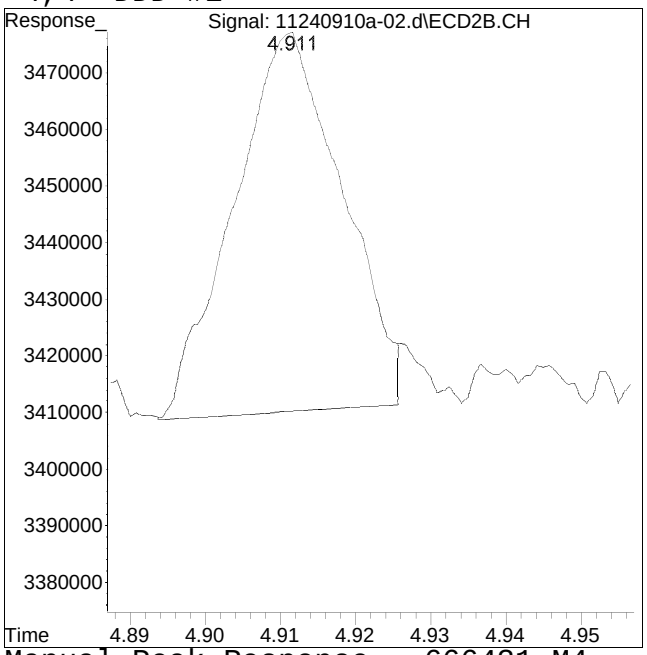
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-02.d Operator : PEST11:akm
Date Inj'd : 9/10/2024 9:06 Instrument : Pest 11
Sample : pem11240910a-01,42,,deg115Quant Date : 9/10/2024 9:45 am

Compound #57: 4,4'-DDD #2



Original Peak Response = 1581931



Manual Peak Response = 666431 M4

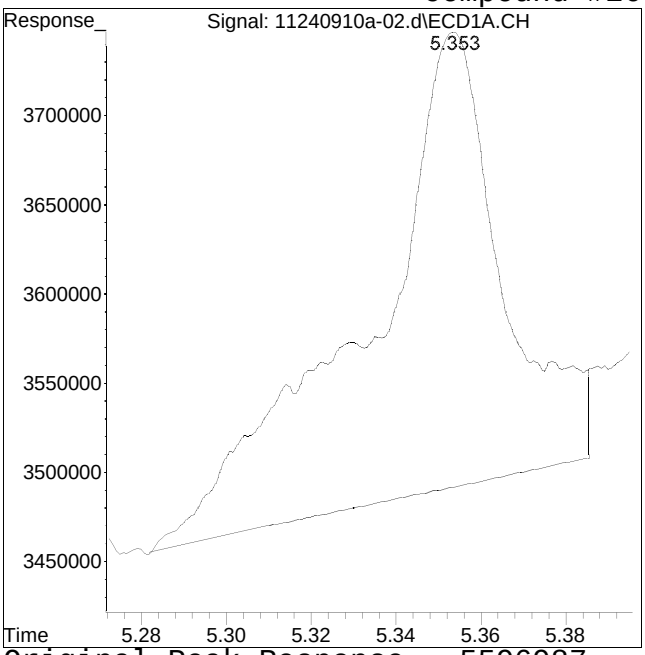
M4 = Poor automated baseline construction.

Manual Integration Report

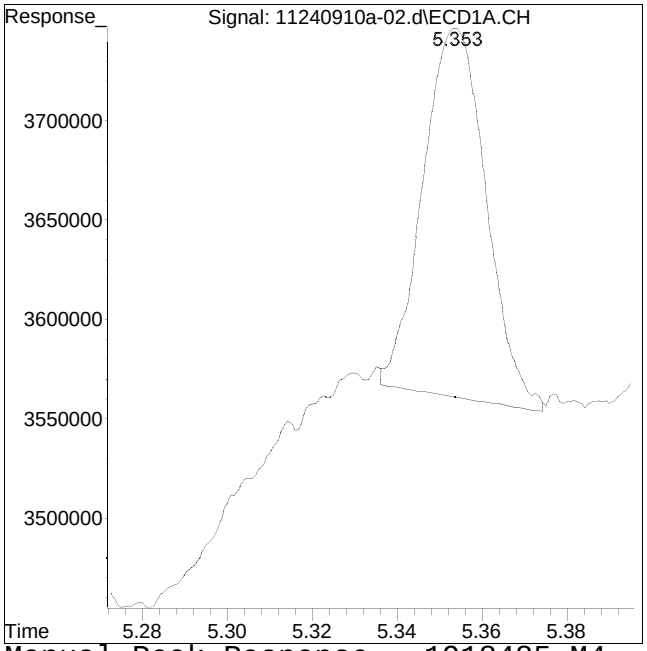
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-02.d
Date Inj'd : 9/10/2024 9:06
Sample : pem11240910a-01,42,,deg115

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #26: Endrin Ketone



Original Peak Response = 5596987



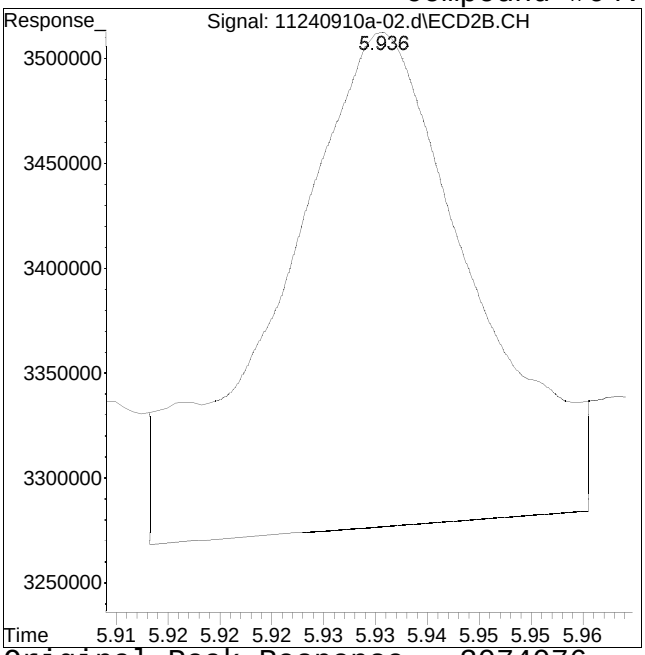
Manual Peak Response = 1918485 M4

M4 = Poor automated baseline construction.

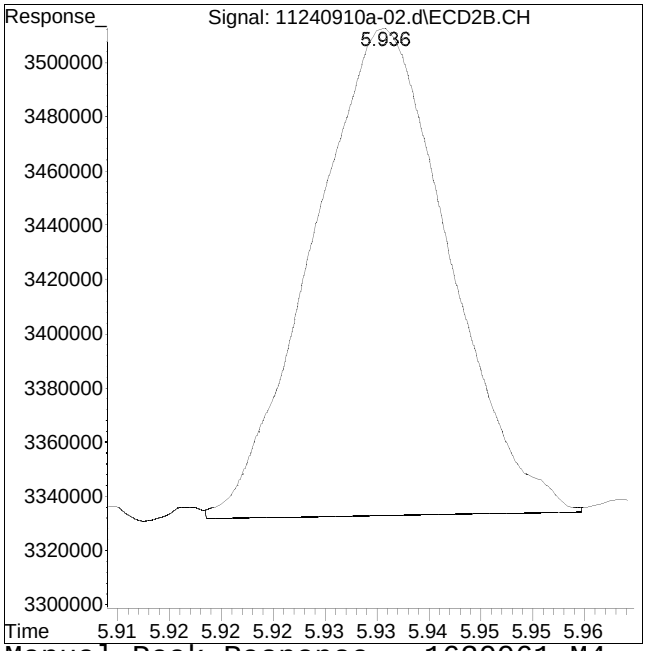
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-02.d
Date Inj'd : 9/10/2024 9:06
Sample : pem11240910a-01,42,,deg115
Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:akm
Instrument : Pest 11
Quant Date : 9/10/2024 9:45 am

Compound #64: Endrin Ketone #2



Original Peak Response = 3074076



Manual Peak Response = 1630061 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-01		
Client ID	: MW-5A		
Date Analyzed (1)	: 09/10/24 13:08	**Date Analyzed (2)**	: 09/10/24 13:08
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

			RT Window			
Analyte	**Col**	**RT**	**From**	**To**	**Concentration**	**RPD**
4,4'-DDT	**1**	**4.47**	**4.42**	**4.52**	**0.0192J**	
	2	**5.20**	**5.15**	**5.25**	**0.0154J**	**NC**

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-02		
Client ID	: MW-5B		
Date Analyzed (1)	: 09/10/24 13:19	**Date Analyzed (2)**	: 09/10/24 13:19
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
4,4'-DDT	1	4.47	4.42	4.52	0.0123J	
	2	5.20	5.15	5.25	0.00999J	NC

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-03		
Client ID	: MW-6A		
Date Analyzed (1)	: 09/10/24 13:31	**Date Analyzed (2)**	: 09/10/24 13:31
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
Dieldrin	1	3.79	3.74	3.84	0.00381J	
	2	4.47	4.42	4.52	0.00421J	NC

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-04		
Client ID	: MW-6B		
Date Analyzed (1)	: 09/10/24 13:43	**Date Analyzed (2)**	: 09/10/24 13:43
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
Dieldrin	1	3.79	3.74	3.84	0.0102J	
	2	4.47	4.42	4.52	0.00861J	NC
4,4'-DDT	1	4.47	4.42	4.52	0.00648J	
	2	5.20	5.15	5.25	0.00456J	NC

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-05		
Client ID	: MW-7A		
Date Analyzed (1)	: 09/10/24 13:55	**Date Analyzed (2)**	: 09/10/24 13:55
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

Analyte	Col	RT	RT Window From	RT Window To	Concentration	RPD
Dieldrin	1	3.79	3.74	3.84	0.0144J	
	2	4.47	4.42	4.52	0.0104J	NC
4,4'-DDT	1	4.47	4.42	4.52	0.0039J	
	2	5.20	5.15	5.25	ND	NC

Identification Summary
Form 10
Pesticides

Client	: P. W. Grosser	**Lab Number**	: L2450786
Project Name	: ROANOKE SAND + GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: L2450786-06		
Client ID	: MW-7B		
Date Analyzed (1)	: 09/10/24 14:07	**Date Analyzed (2)**	: 09/10/24 14:07
Instrument ID (1)	: PEST11	**Instrument ID (2)**	: PEST11
GC Column (1)	: CLPPesticides	**GC Column (2)**	: CLPPesticidesII

			RT Window			
Analyte	**Col**	**RT**	**From**	**To**	**Concentration**	**RPD**
Dieldrin	1	3.79	3.74	3.84	0.0139J	
	2	4.47	4.42	4.52	0.0121J	NC

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:20
Operator : PEST11:jag
Sample : WG1968977-1,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:17 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	296.3E6	175.1E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 110.54%		
	Standard Area 1 : #2 = 176274603				Recovery = 99.32%		
28) i	1-br-2-nb_Ch	1.229	1.302	296.3E6	175.1E6	25.000M3	25.000M4
33) i	1-br-2-nb_To	1.229	1.302	296.3E6	175.1E6	25.000M3	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	468.0E6	272.3E6	38.004M4	34.907M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 76.01%		69.81%
27) s	Decachlorobi	6.179	6.809	451.5E6	246.1E6	32.757M4	33.147M4
	Spiked Amount 50.000	Range 30 - 150			Recovery = 65.51%		66.29%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:20
Operator : PEST11:jag
Sample : WG1968977-1,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:17 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

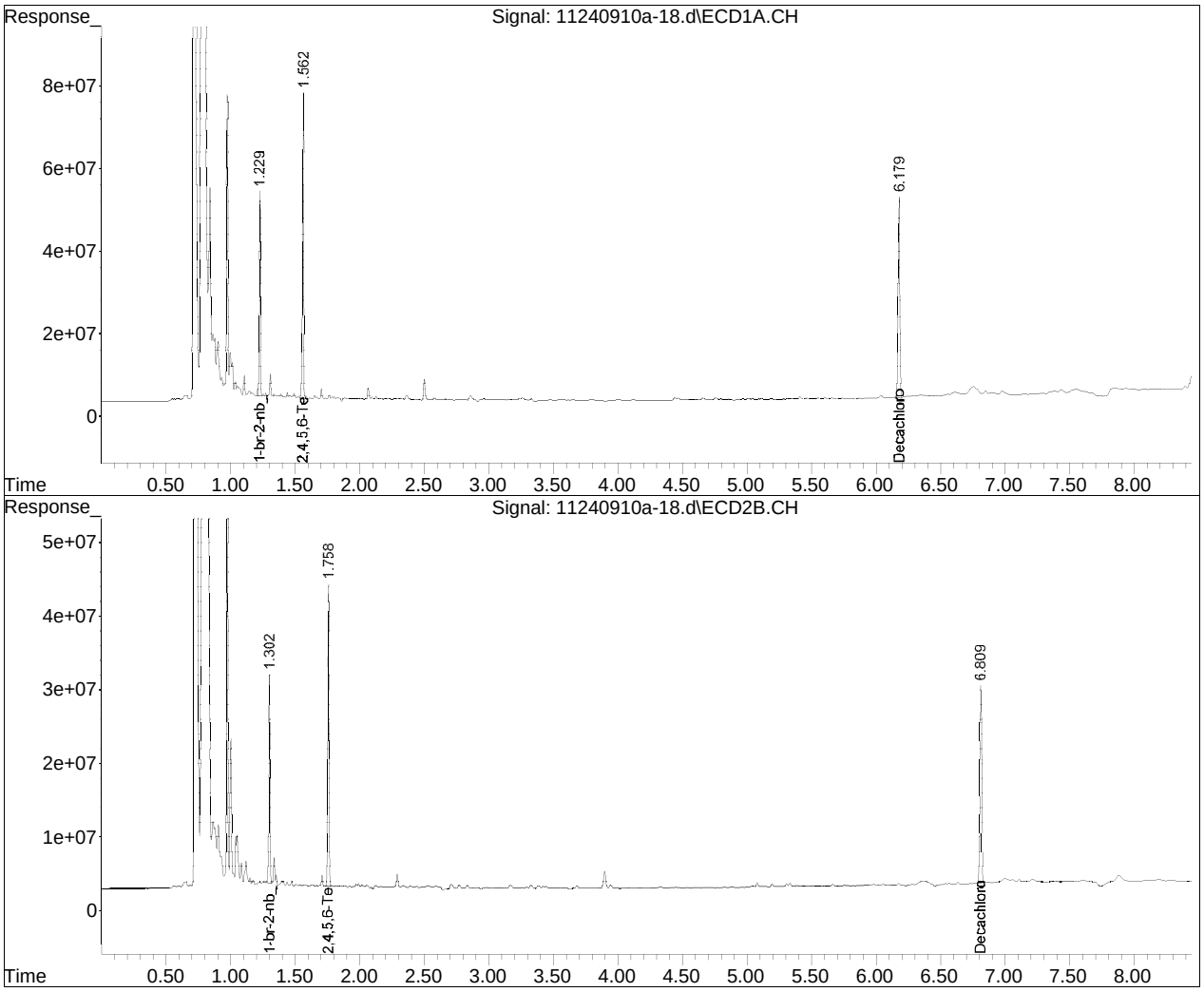
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:20
Operator : PEST11:jag
Sample : WG1968977-1,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:17 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

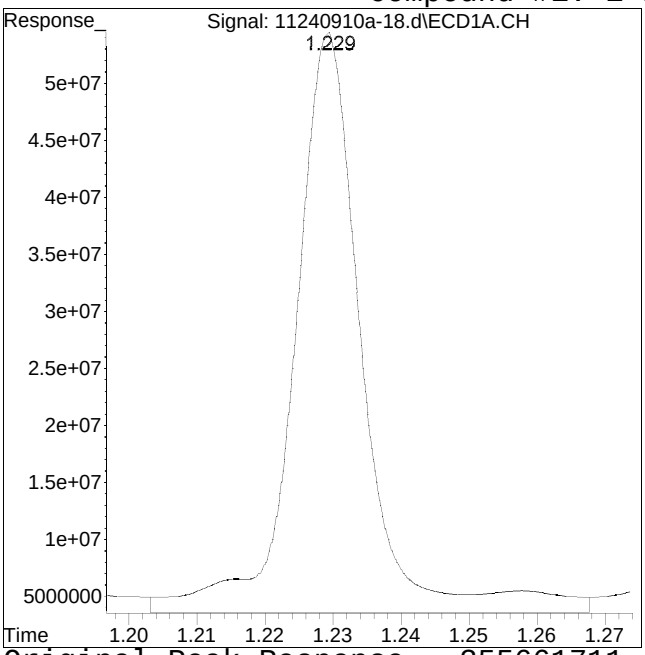
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

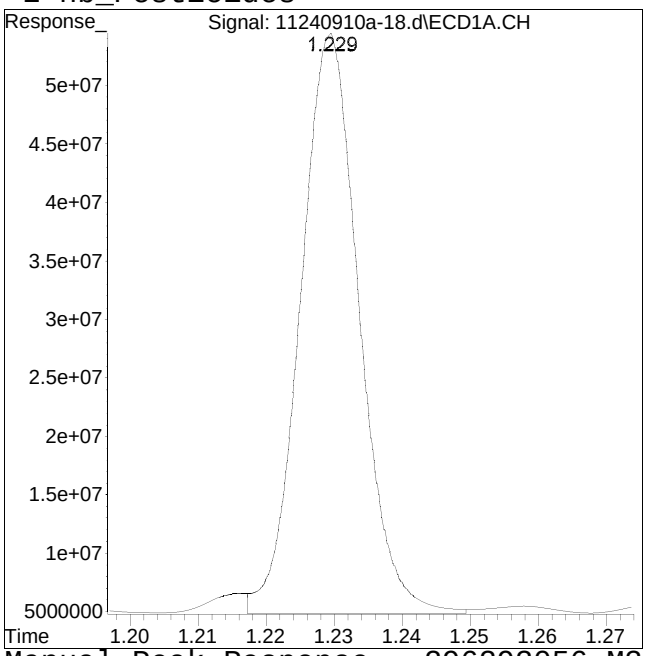


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #1: 1-br-2-nb_Pesticides



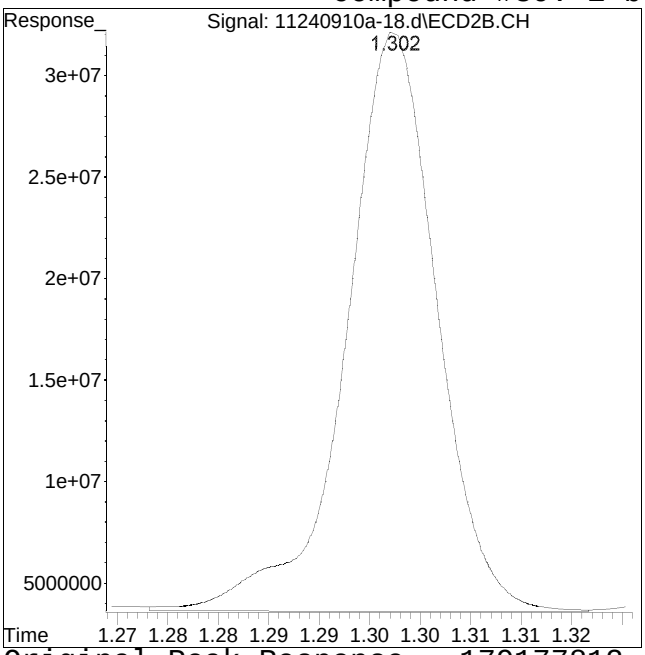


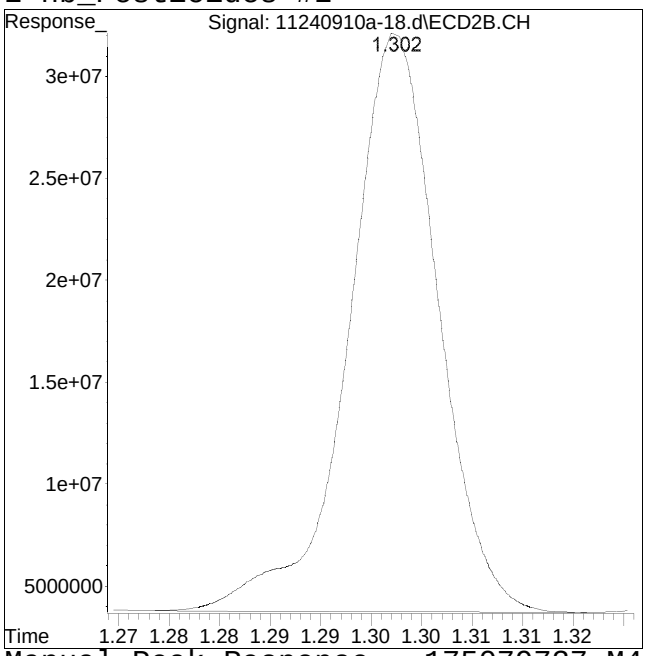
Original Peak Response = 355661711 Manual Peak Response = 296293056 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #39: 1-br-2-nb_Pesticides #2



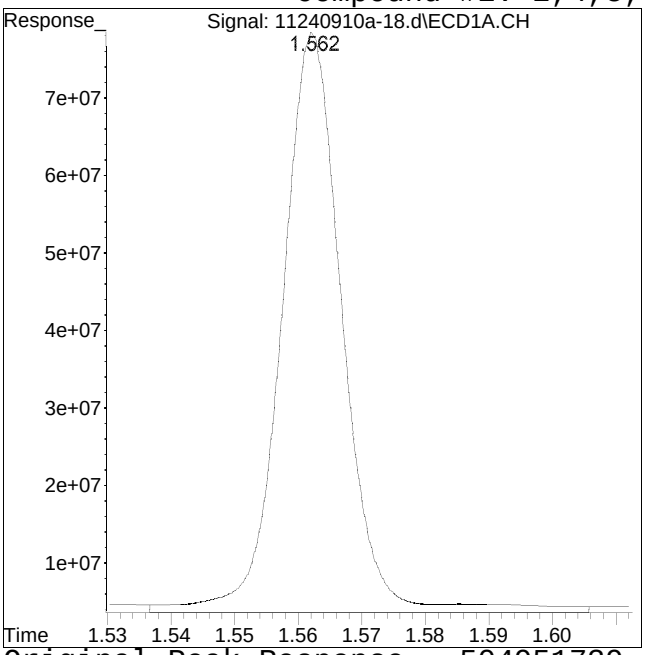


Original Peak Response = 179177812 Manual Peak Response = 175079737 M4
M4 = Poor automated baseline construction.

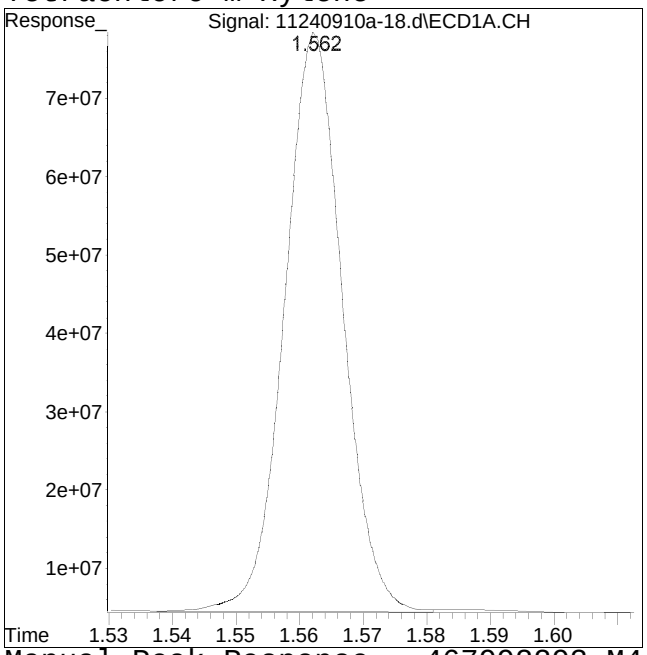
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 504951739



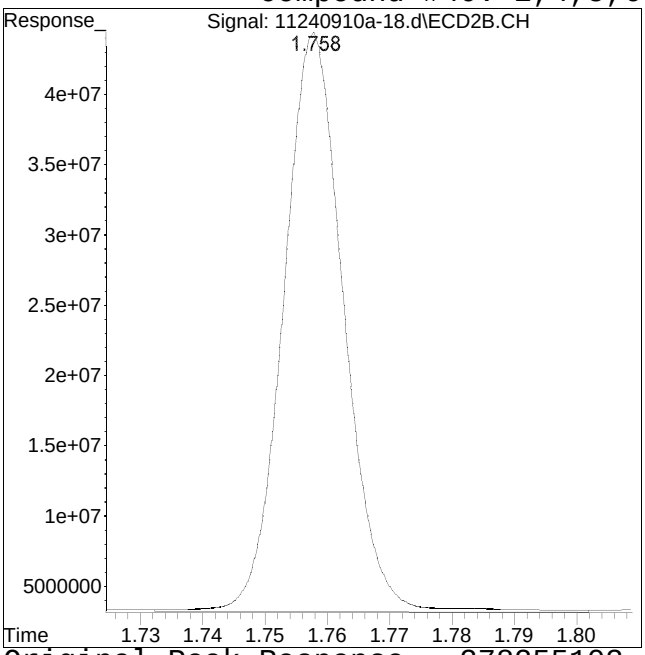
Manual Peak Response = 467992293 M4

M4 = Poor automated baseline construction.

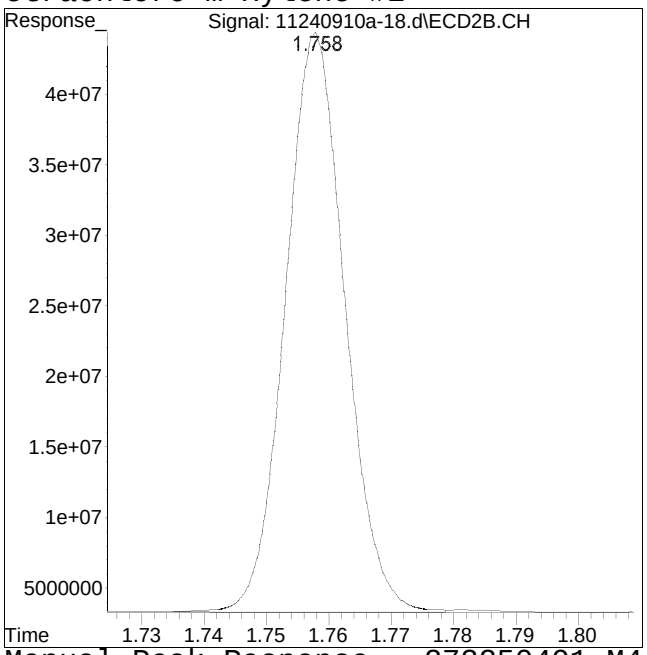
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 278255103



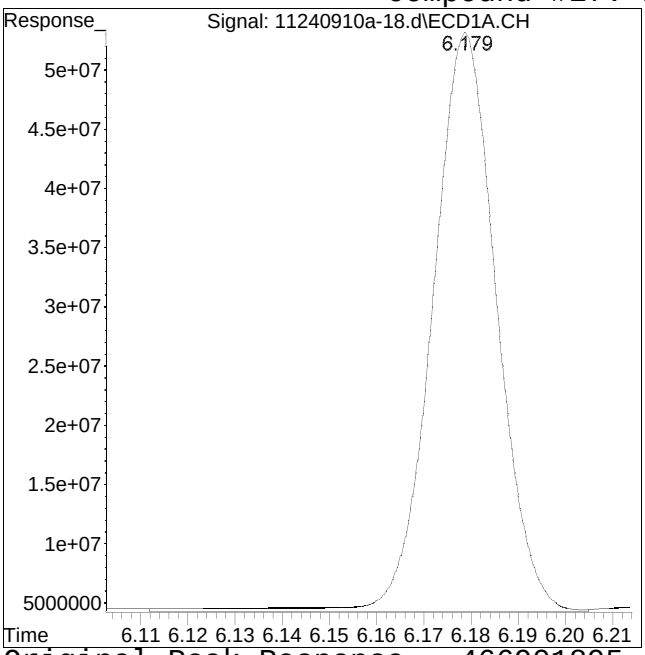
Manual Peak Response = 272250491 M4

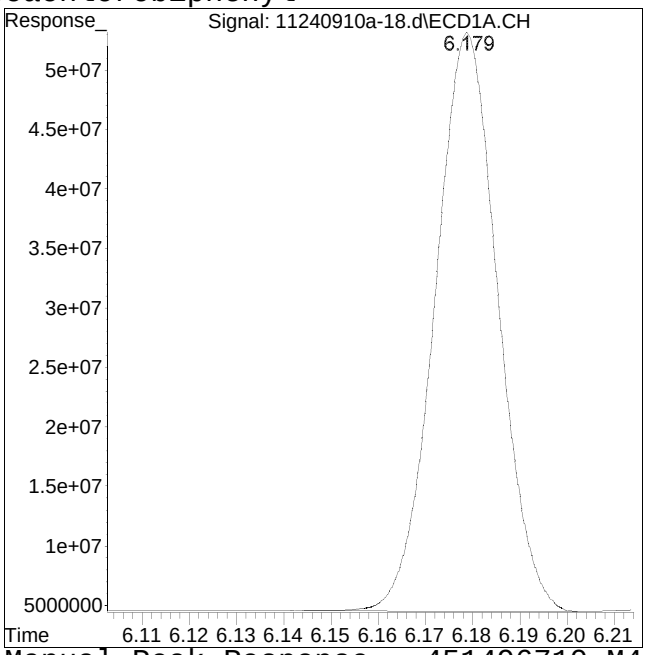
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #27: Decachlorobiphenyl



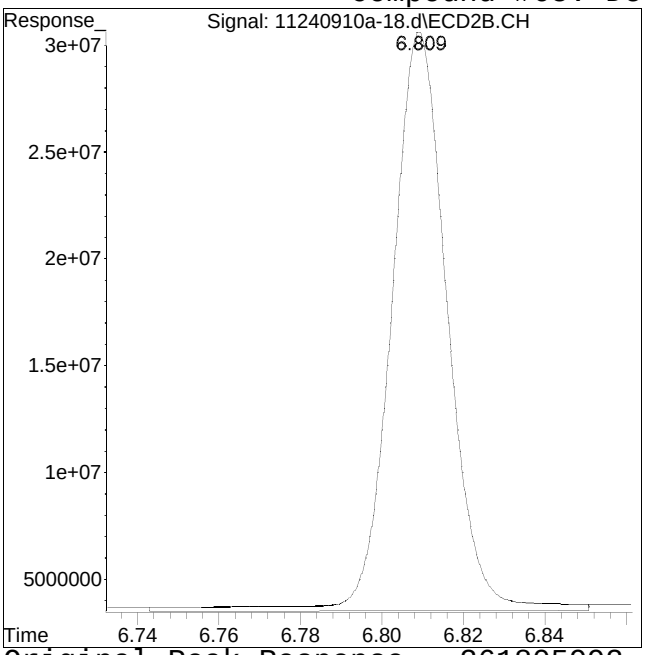


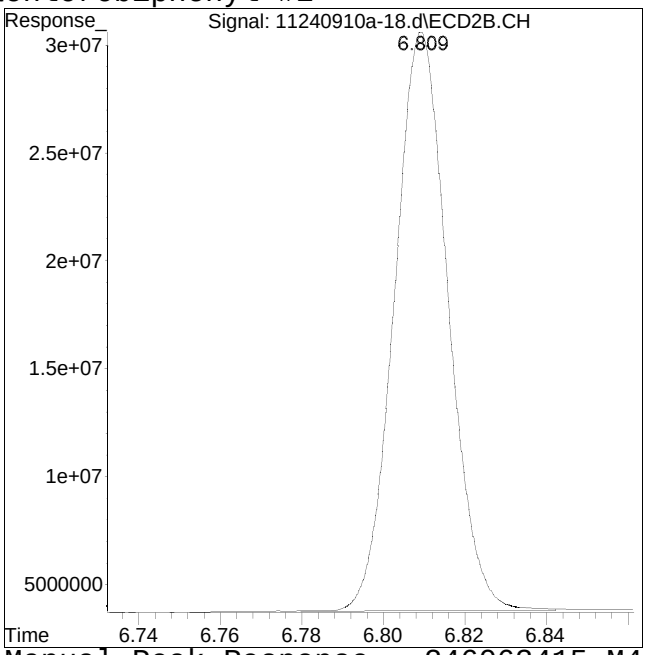
Original Peak Response = 466901895 Manual Peak Response = 451496710 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #65: Decachlorobiphenyl #2



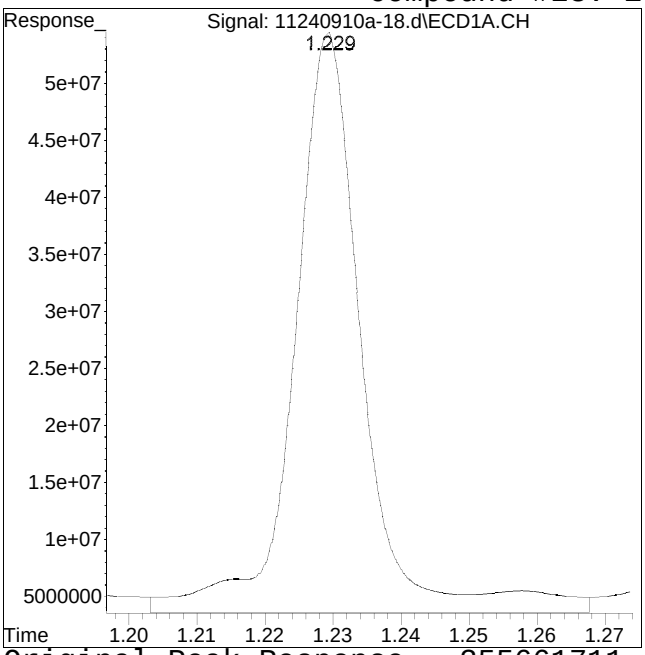


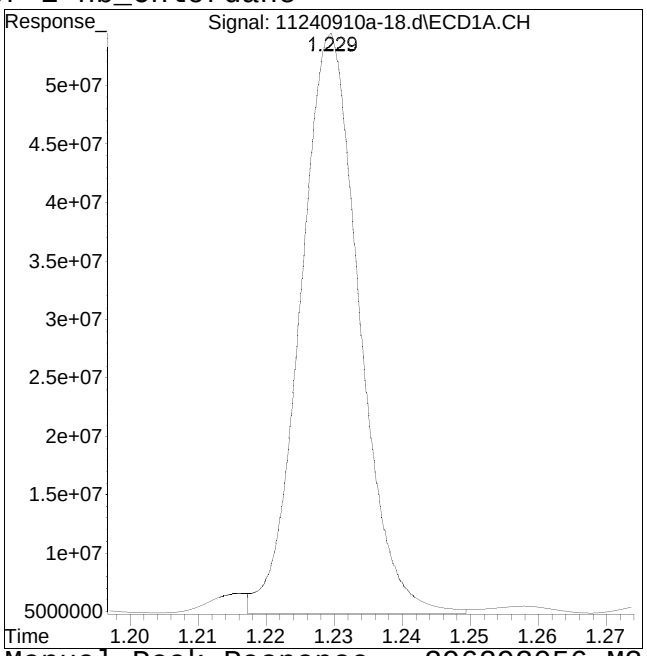
Original Peak Response = 261805992 Manual Peak Response = 246063415 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #28: 1-br-2-nb_Chlordane



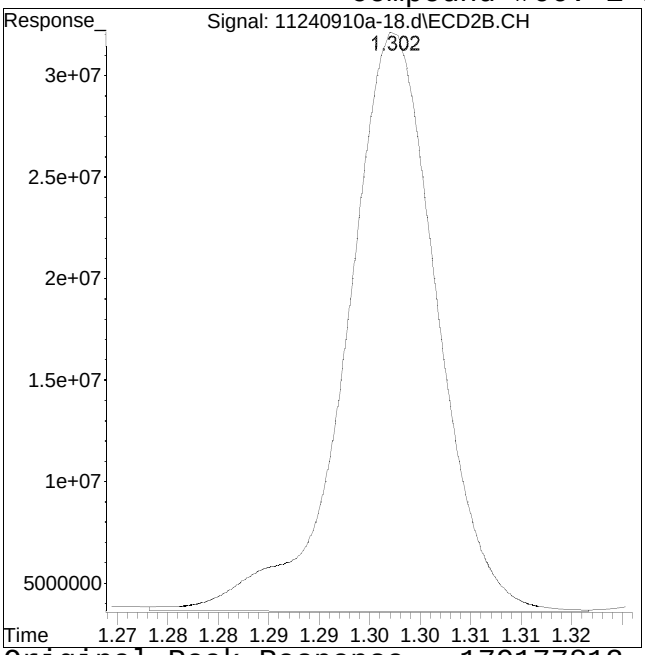


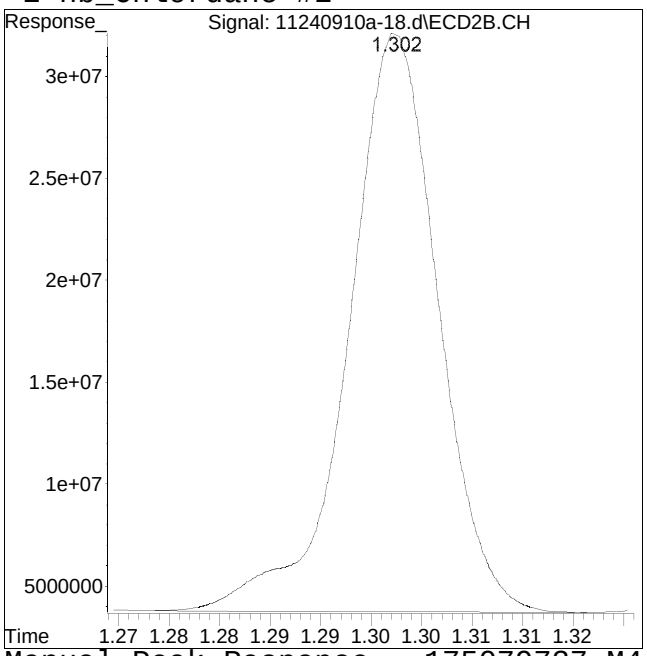
Original Peak Response = 355661711 Manual Peak Response = 296293056 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #66: 1-br-2-nb_Chlordane #2



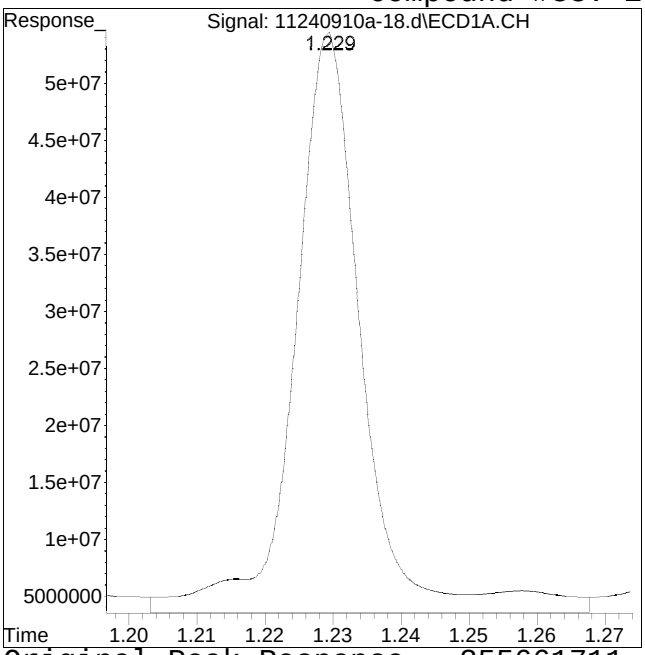


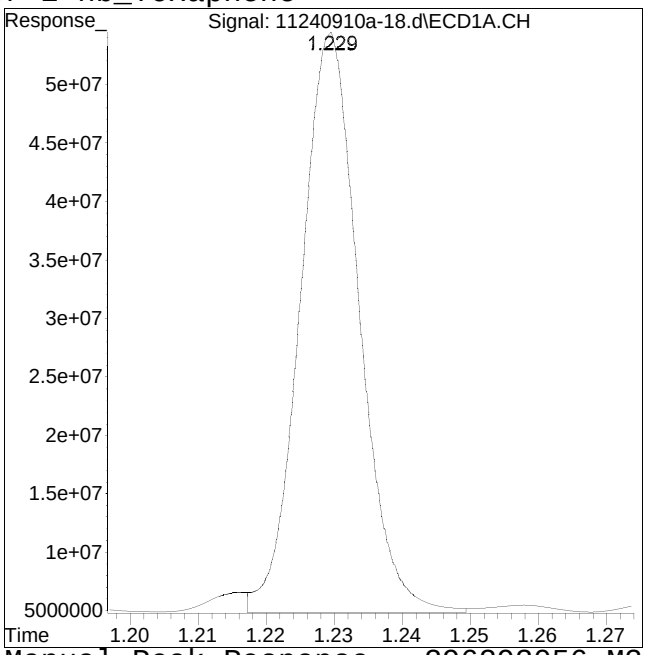
Original Peak Response = 179177812 Manual Peak Response = 175079737 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #33: 1-br-2-nb_Toxaphene



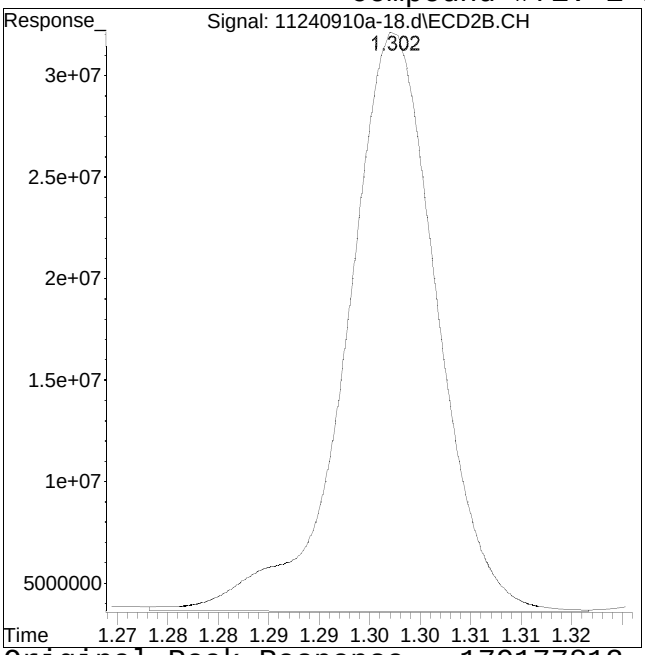


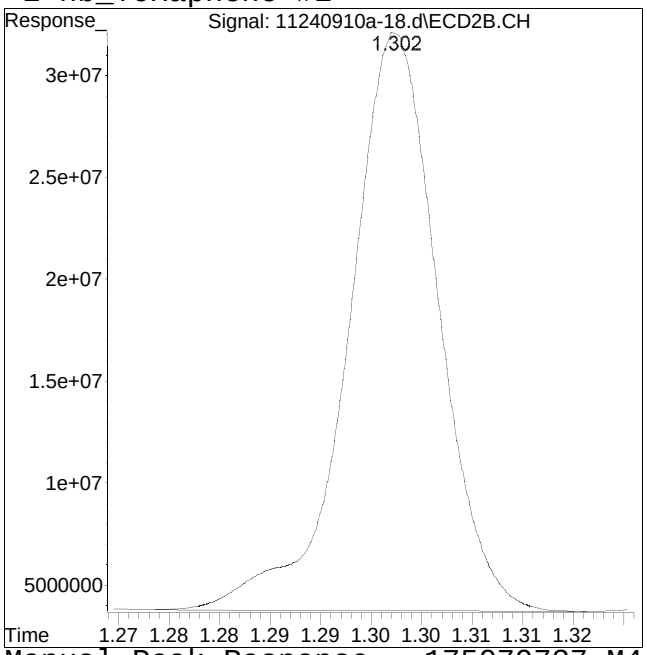
Original Peak Response = 355661711 Manual Peak Response = 296293056 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-18.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:20 Instrument : Pest 11
Sample : WG1968977-1,42,, Quant Date : 9/10/2024 1:18 pm

Compound #71: 1-br-2-nb_Toxaphene #2





Original Peak Response = 179177812 Manual Peak Response = 175079737 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:32
Operator : PEST11:jag
Sample : WG1968977-2,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:23 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.302	322.1E6	185.8E6	25.000M3	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 120.15%		
	Standard Area 1 : #2 = 176274603				Recovery = 105.40%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	464.7E6	269.8E6	34.717M4	32.593M3
	Spiked Amount 50.000	Range 30 - 150		Recovery =	69.43%	65.19%	
27) s	Decachlorobi	6.179	6.809	469.5E6	255.3E6	31.342M4	32.414M4
	Spiked Amount 50.000	Range 30 - 150		Recovery =	62.68%	64.83%	
Target Compounds							
4) t	alpha-BHC	1.863	2.155	560.7E6	392.9E6	29.799M3	32.643M4
5) t	gamma-BHC (l	2.058	2.429	661.2E6	360.5E6	36.781M4	31.516M4
6) t	beta-BHC	2.112	2.494	287.4E6	158.2E6	35.539M4	33.549M4
7) t	delta-BHC	2.235	2.751	603.7E6	321.0E6	34.105M4	28.369M4
8) t	Heptachlor	2.393	2.811	629.7E6	338.7E6	37.006M4	28.528M3
9) t	Aldrin	2.627	3.119	556.8E6	307.6E6	35.050M4	28.845M4
12) t	Heptachlor E	3.156	3.716	550.0E6	290.9E6	36.012M4	27.464M3
13) t	gamma-Chlord	3.277	3.932	564.2E6	310.6E6	40.667M4	31.862M4
14) t	alpha-Chlord	3.408	4.102	527.2E6	304.9E6	33.650M4	28.377M4
15) t	4,4'-DDE	3.505	4.316	549.3E6	305.8E6	35.786M4	30.647M4
16) t	Endosulfan I	3.538	4.165	519.6E6	288.1E6	36.140M4	29.104M4
17) t	Dieldrin	3.792	4.473	585.8E6	324.9E6	40.063M4	32.941M4
18) t	Endrin	4.041	4.781	563.0E6	308.5E6	37.910M3	30.827M4
19) t	4,4'-DDD	4.162	4.915	473.2E6	260.4E6	39.609M4	32.329M4
20) t	Endosulfan I	4.294	4.988	522.4E6	284.8E6	38.545M4	31.578M4
21) t	4,4'-DDT	4.471	5.199	520.0E6	282.4E6	38.137M4	30.399M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:32
Operator : PEST11:jag
Sample : WG1968977-2,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:23 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.728	5.292	360.0E6	202.7E6	31.528M3	29.052M4
23) t Methoxychlor	4.979	5.776	306.3E6	158.6E6	40.174M4	30.288M4
25) t Endosulfan S	5.129	5.525	507.4E6	275.5E6	39.010M4	30.915M4
26) t Endrin Keton	5.360	5.940	596.9E6	324.3E6	39.158M4	34.611M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

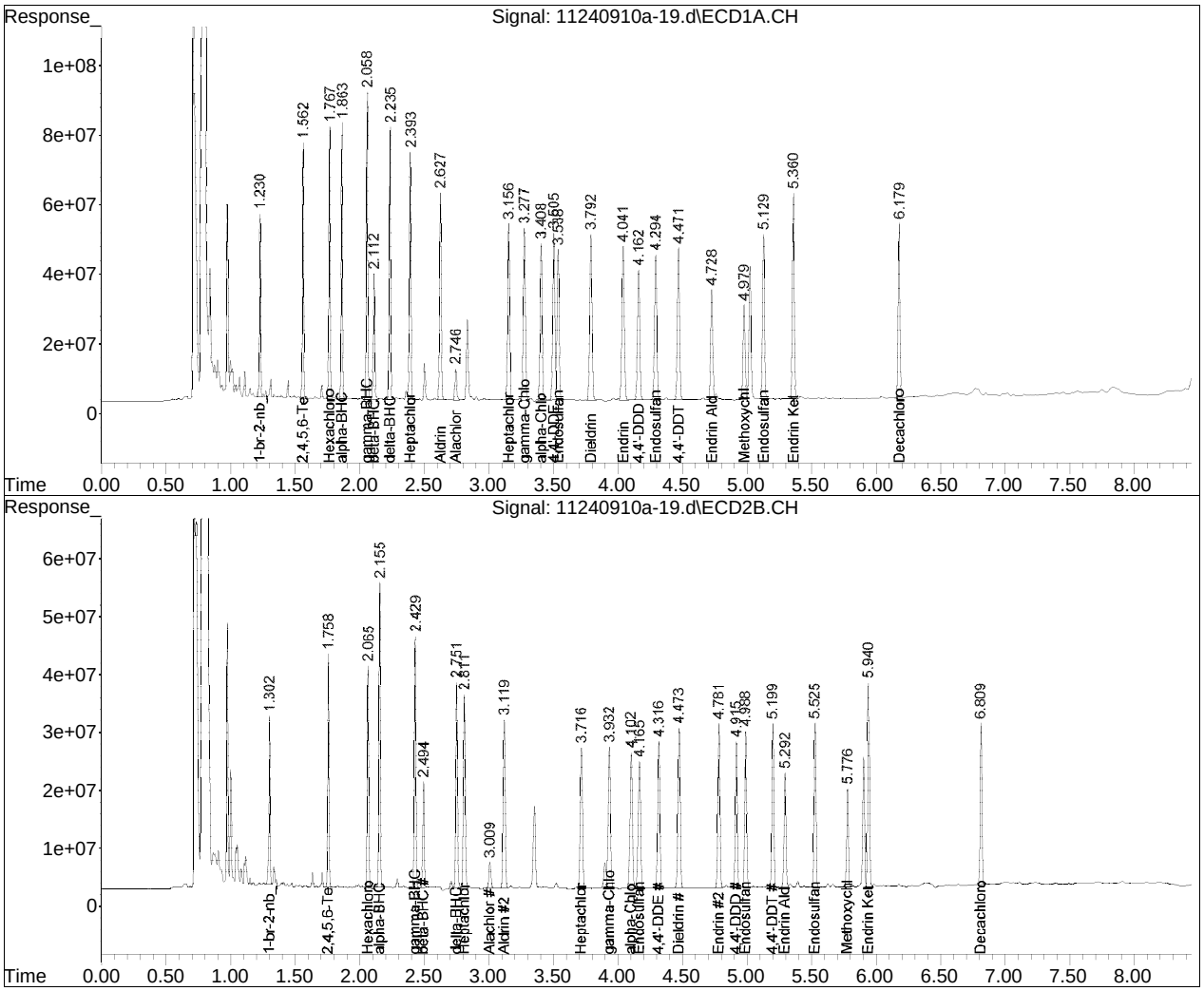
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240910A\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:32
Operator : PEST11:jag
Sample : WG1968977-2,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:23 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

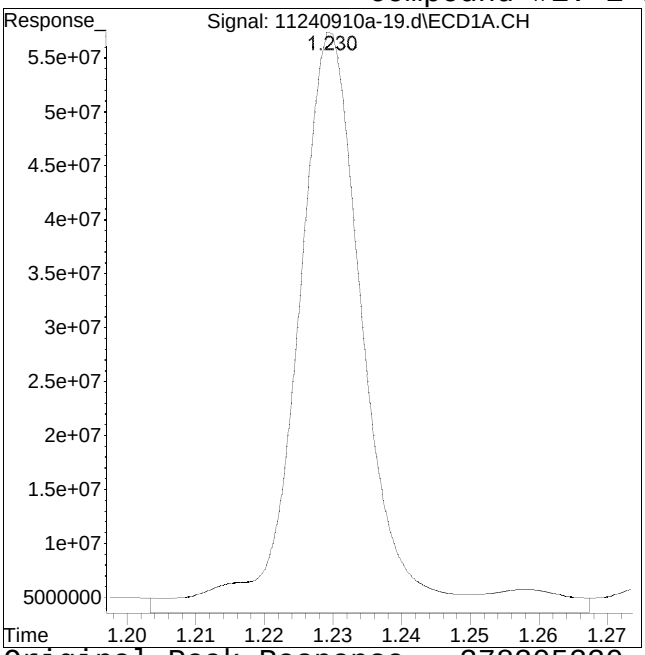
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

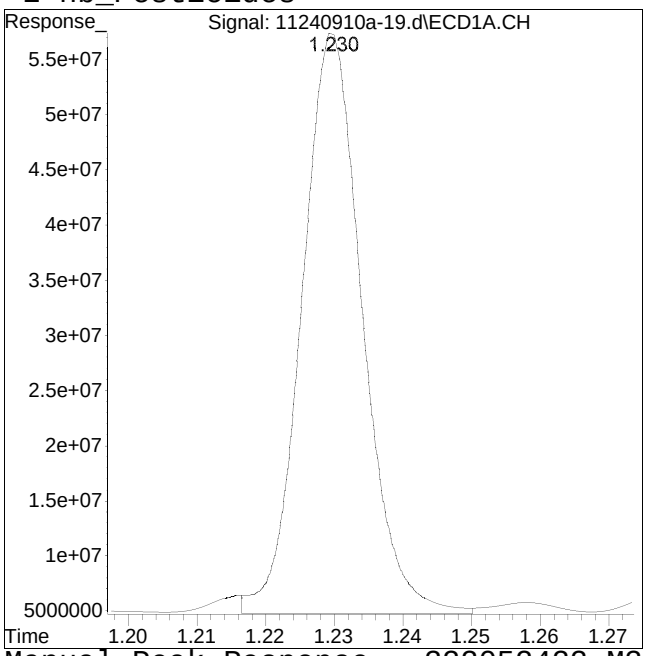


Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #1: 1-br-2-nb_Pesticides



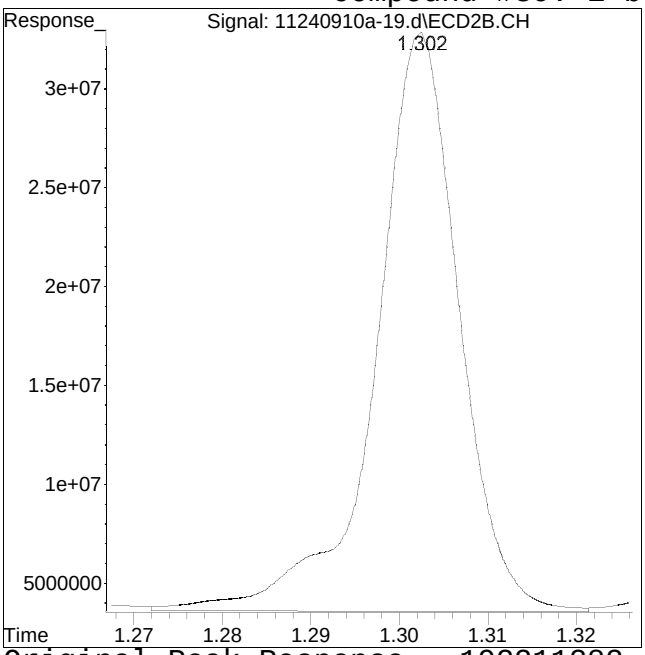


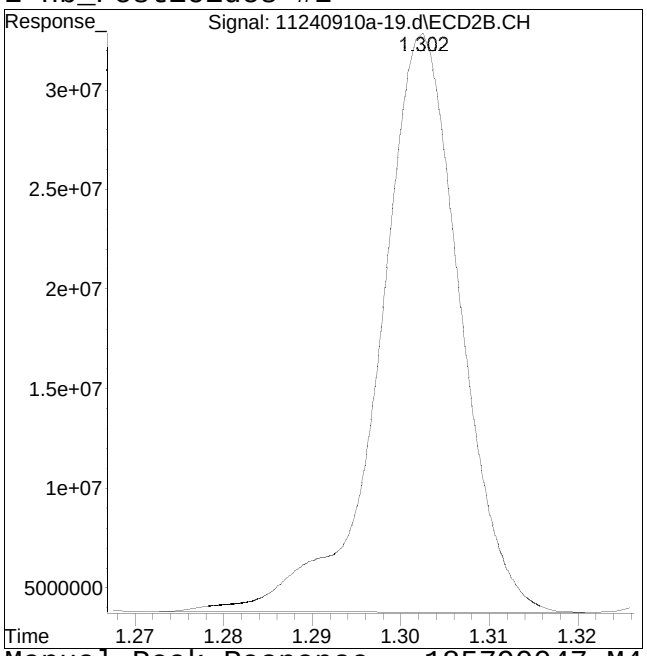
Original Peak Response = 378305330 Manual Peak Response = 322052422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #39: 1-br-2-nb_Pesticides #2



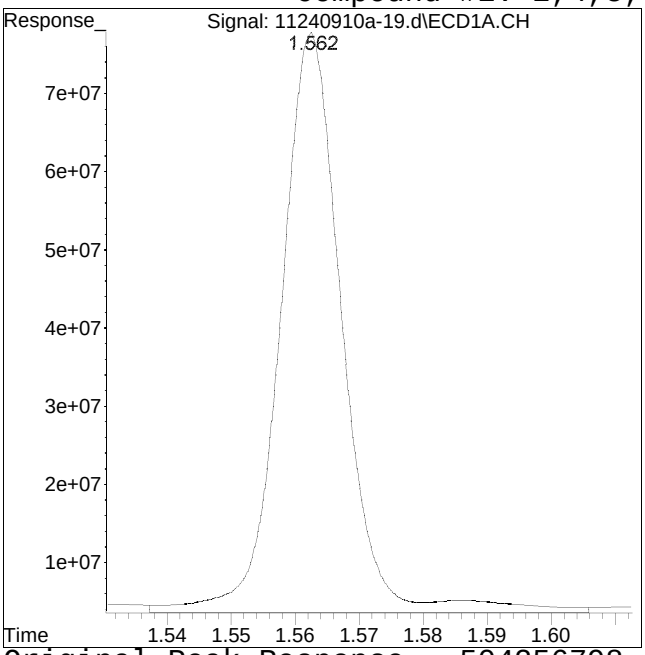


Original Peak Response = 192211282 Manual Peak Response = 185790047 M4
M4 = Poor automated baseline construction.

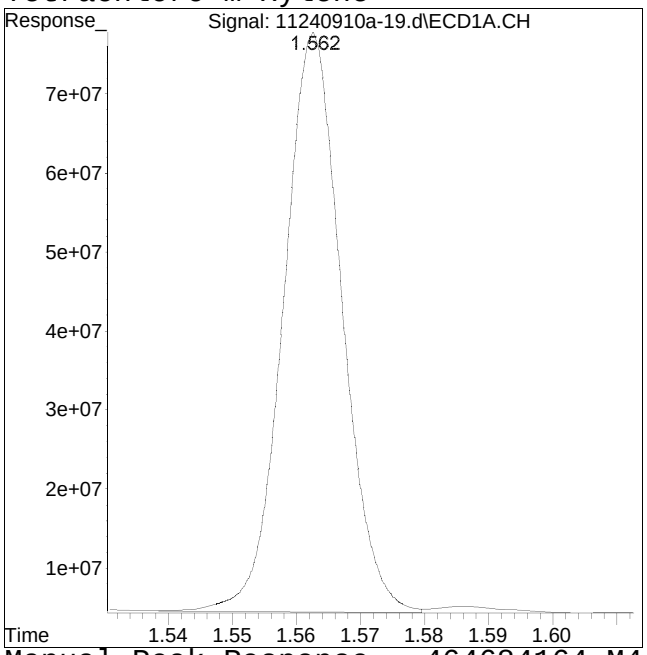
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 504256798



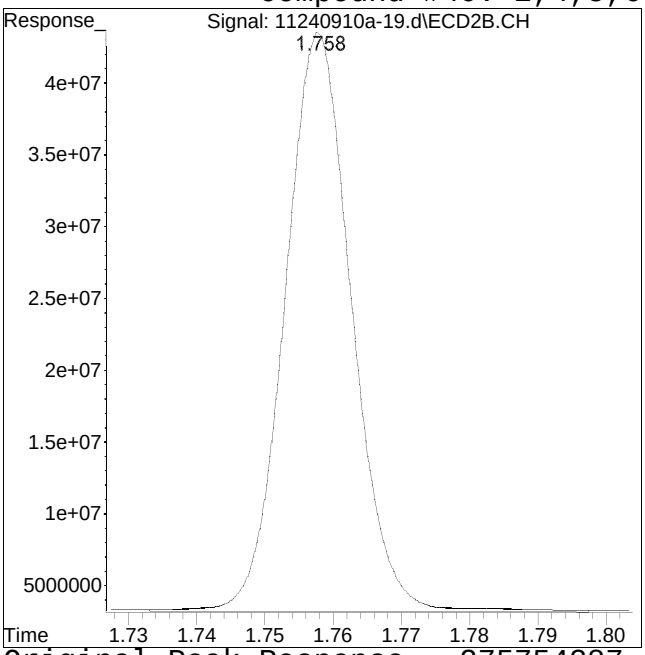
Manual Peak Response = 464684164 M4

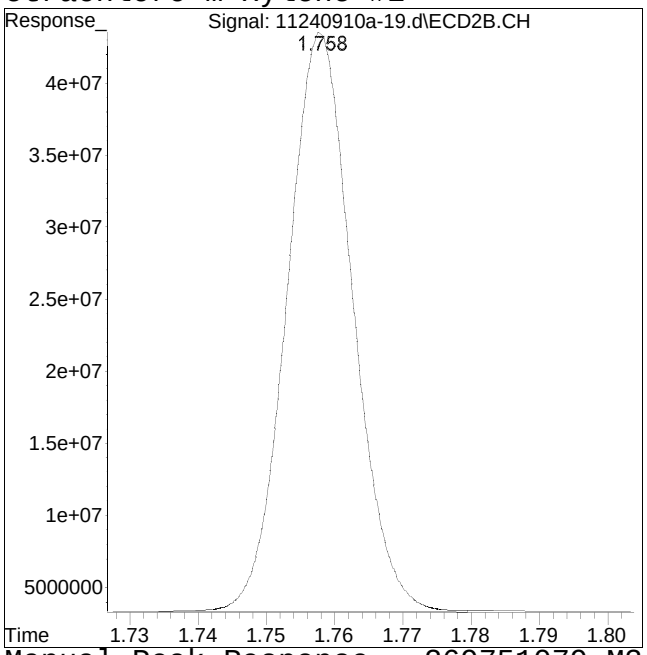
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



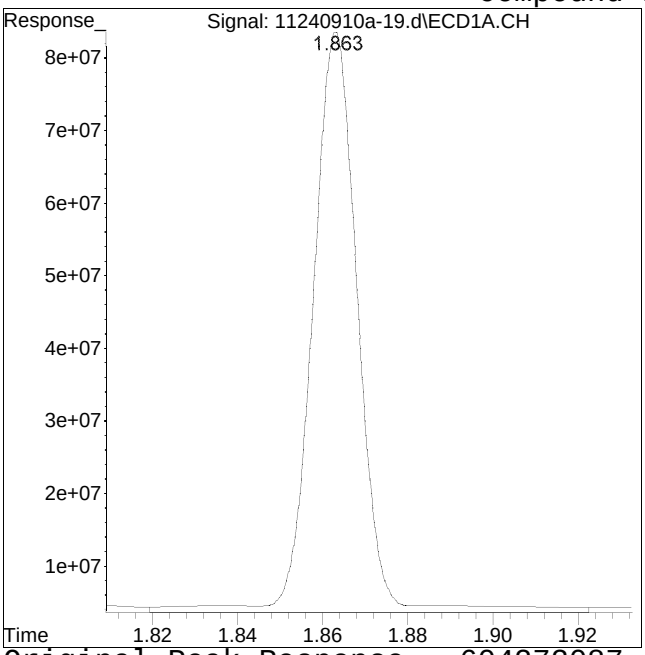


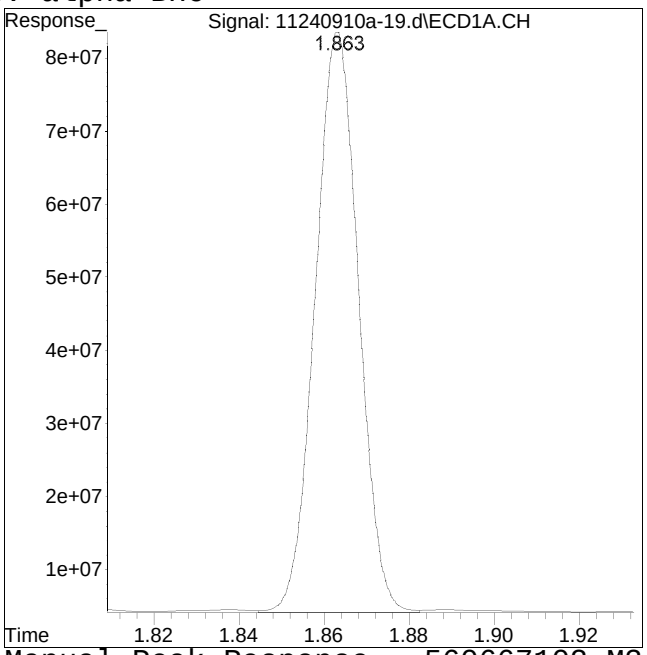
Original Peak Response = 275754287 Manual Peak Response = 269751079 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #4: alpha-BHC



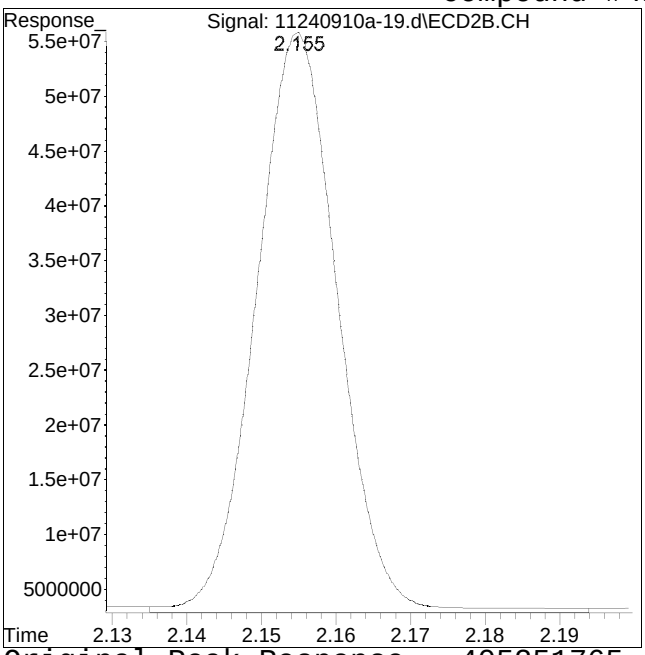


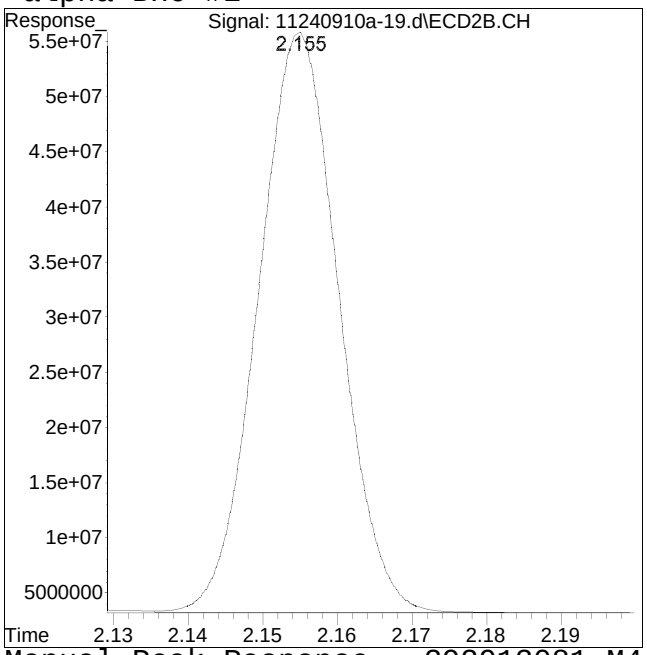
Original Peak Response = 604272087 Manual Peak Response = 560667102 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #42: alpha-BHC #2



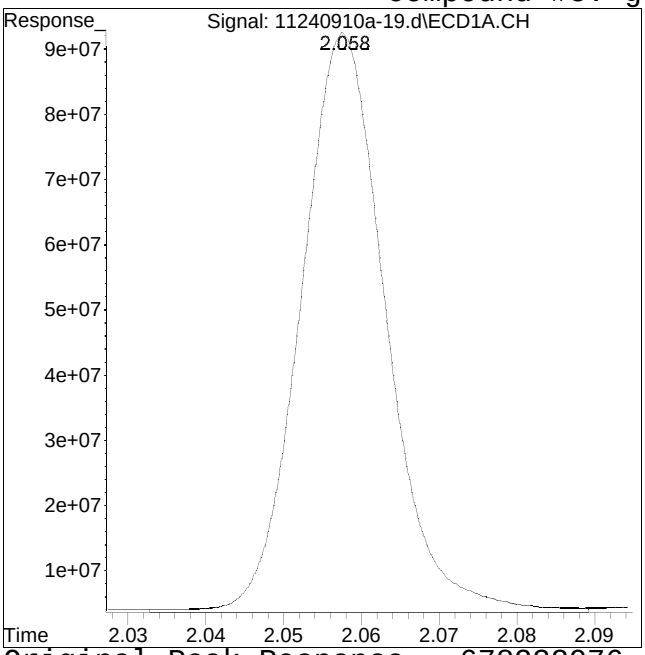


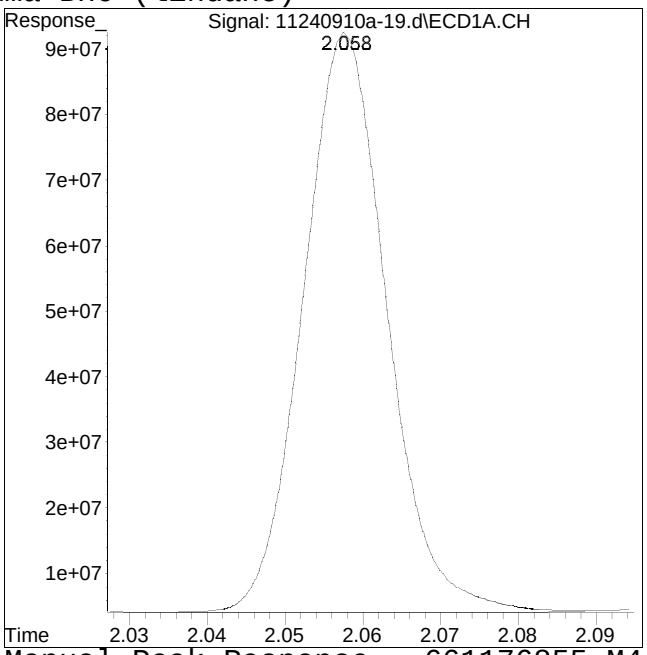
Original Peak Response = 405251765 Manual Peak Response = 392913081 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #5: gamma-BHC (lindane)



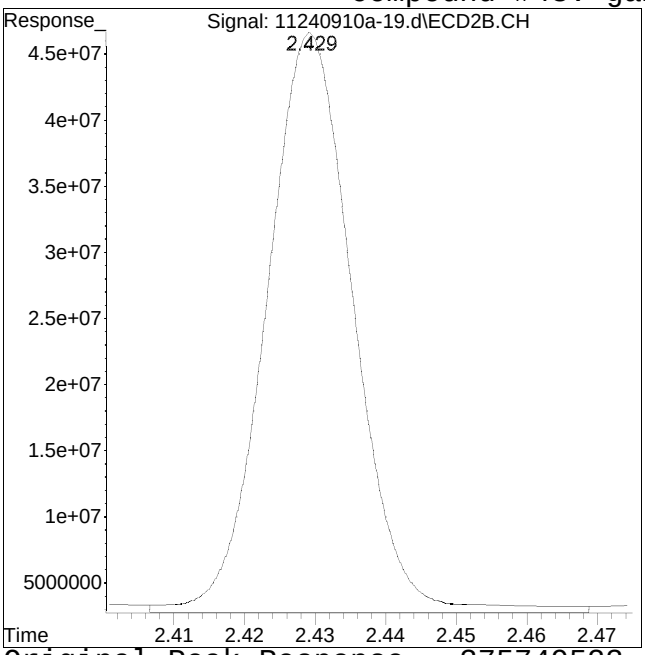


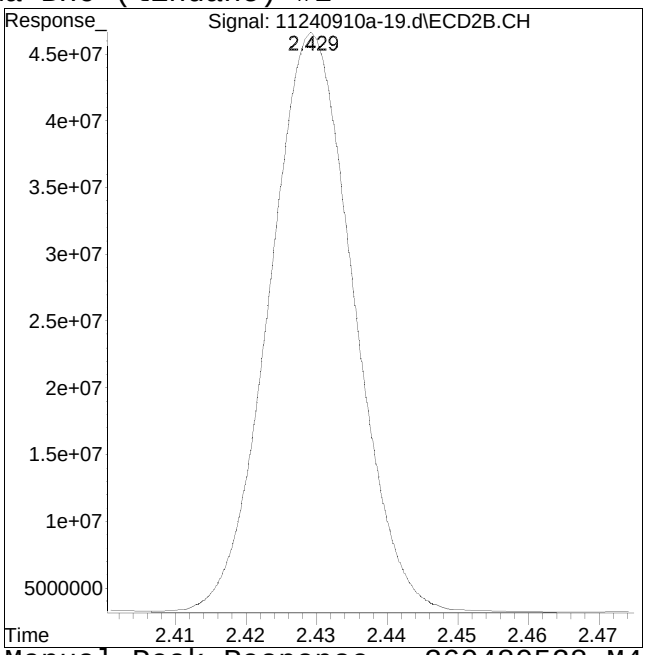
Original Peak Response = 678232976 Manual Peak Response = 661176855 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #43: gamma-BHC (lindane) #2





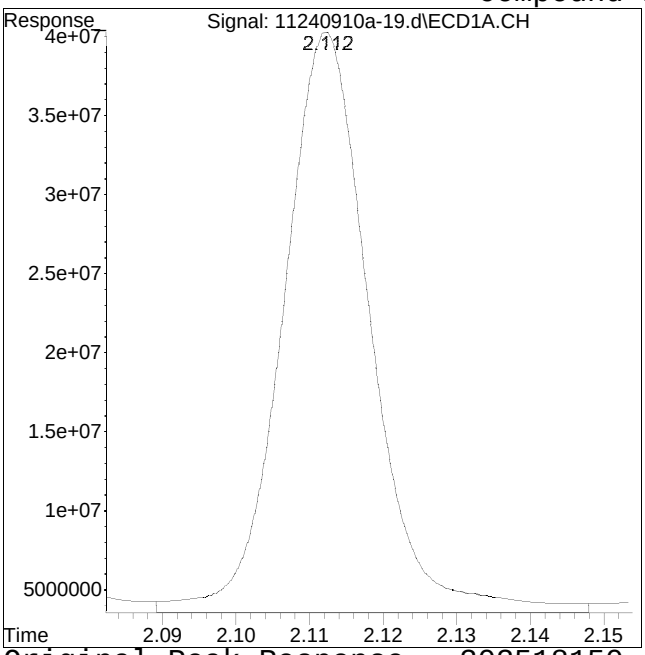
Original Peak Response = 375749523 Manual Peak Response = 360480528 M4
M4 = Poor automated baseline construction.

Manual Integration Report

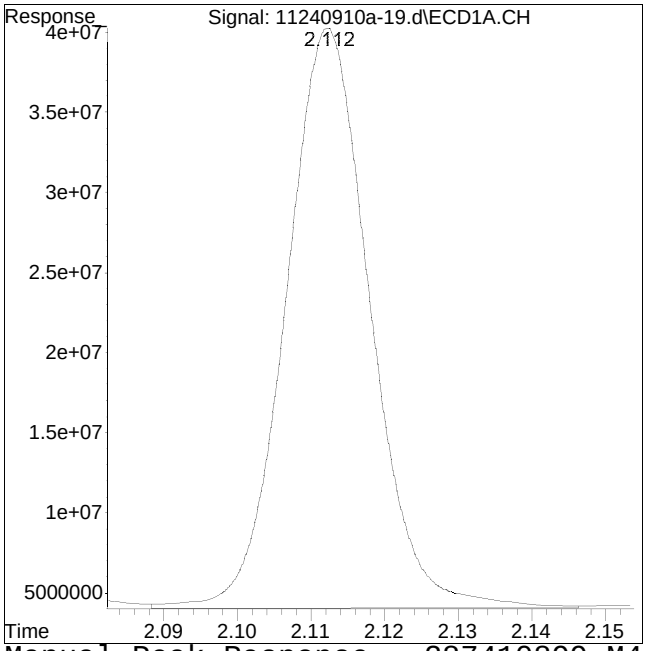
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-19.d
Date Inj'd : 9/10/2024 12:32
Sample : WG1968977-2,42,,

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:jag
Instrument : Pest 11
Quant Date : 9/10/2024 1:18 pm

Compound #6: beta-BHC



Original Peak Response = 303518150



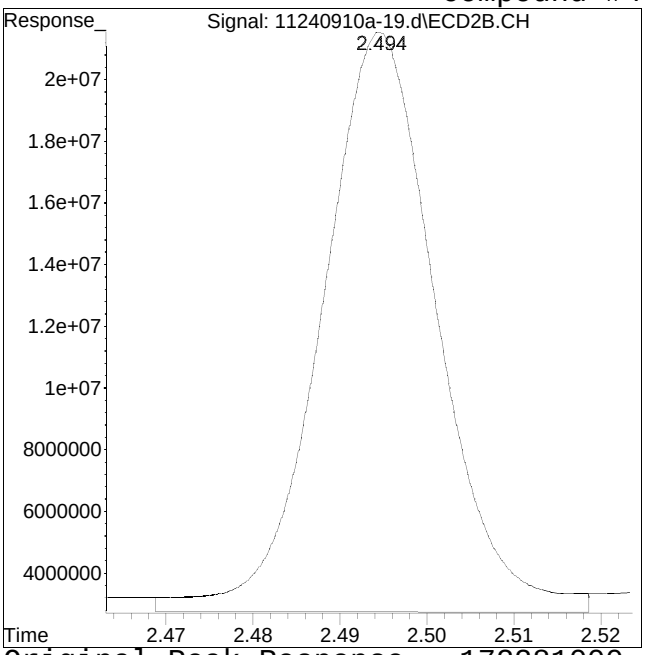
Manual Peak Response = 287410899 M4

M4 = Poor automated baseline construction.

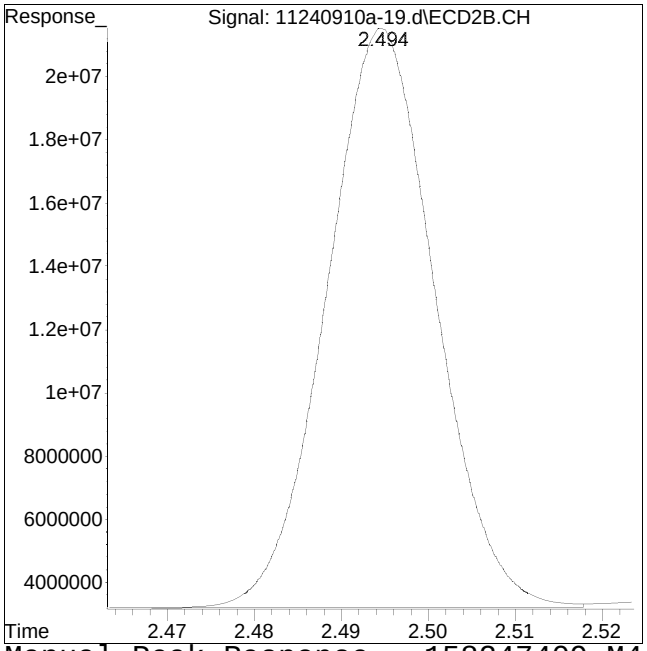
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #44: beta-BHC #2



Original Peak Response = 172281000



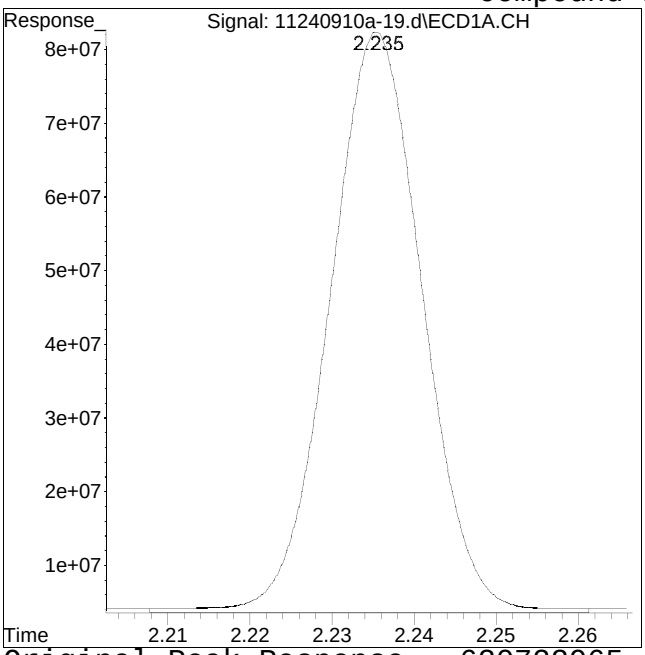
Manual Peak Response = 158247409 M4

M4 = Poor automated baseline construction.

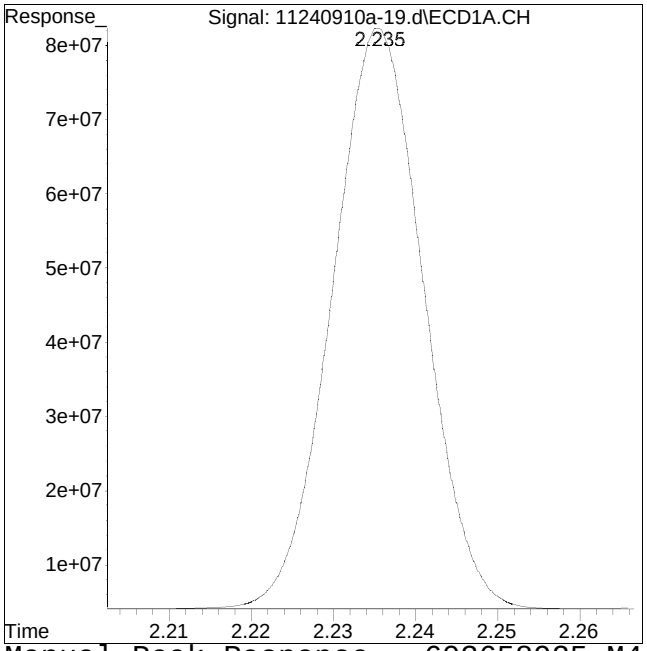
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #7: delta-BHC



Original Peak Response = 620722965



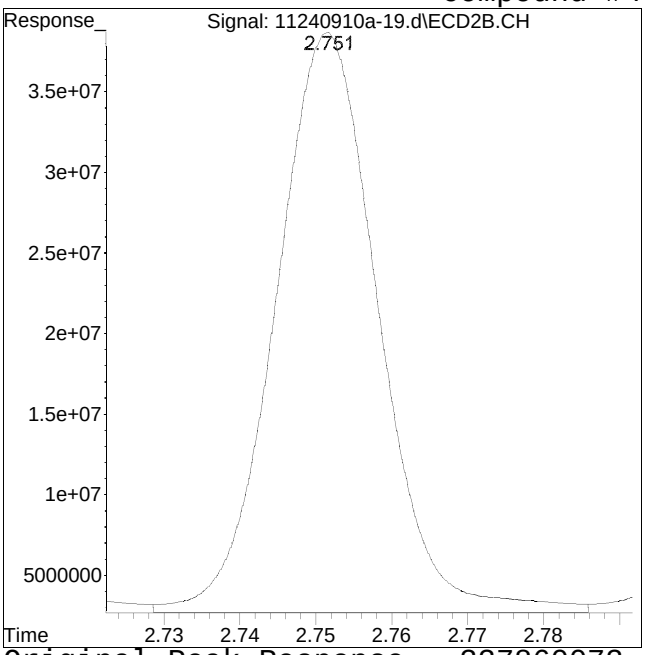
Manual Peak Response = 603658925 M4

M4 = Poor automated baseline construction.

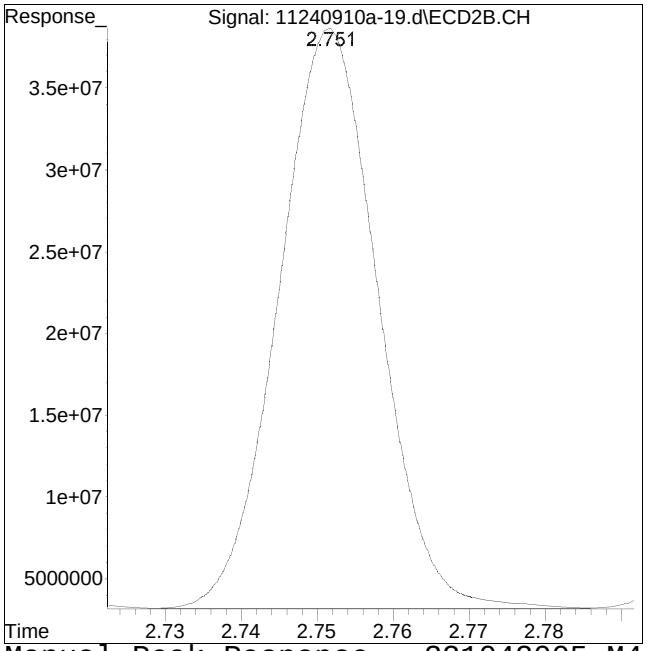
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #45: delta-BHC #2



Original Peak Response = 337860073



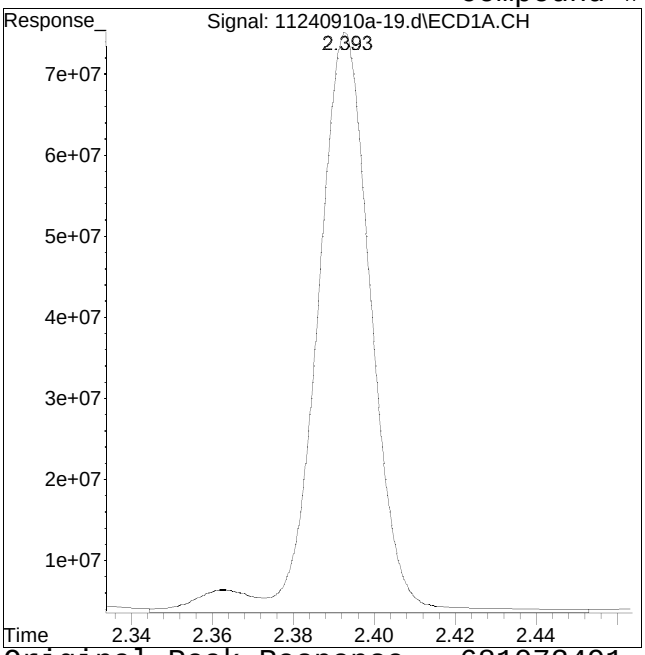
Manual Peak Response = 321042005 M4

M4 = Poor automated baseline construction.

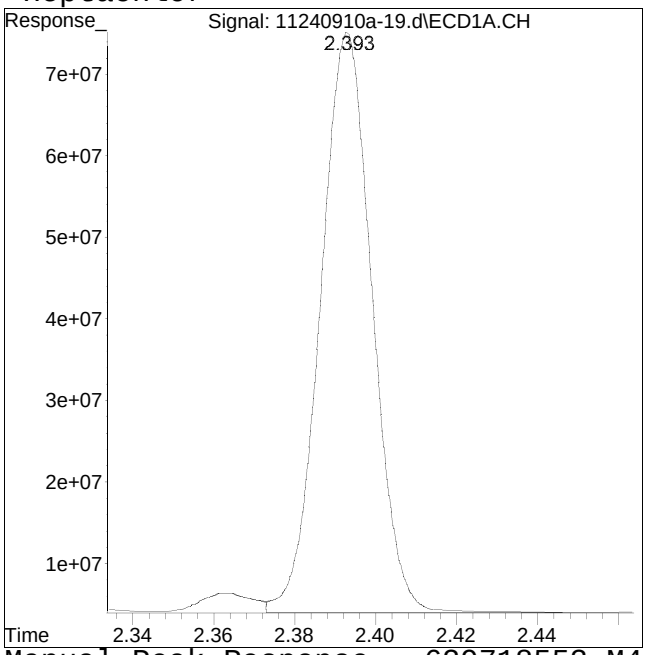
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #8: Heptachlor



Original Peak Response = 681072491



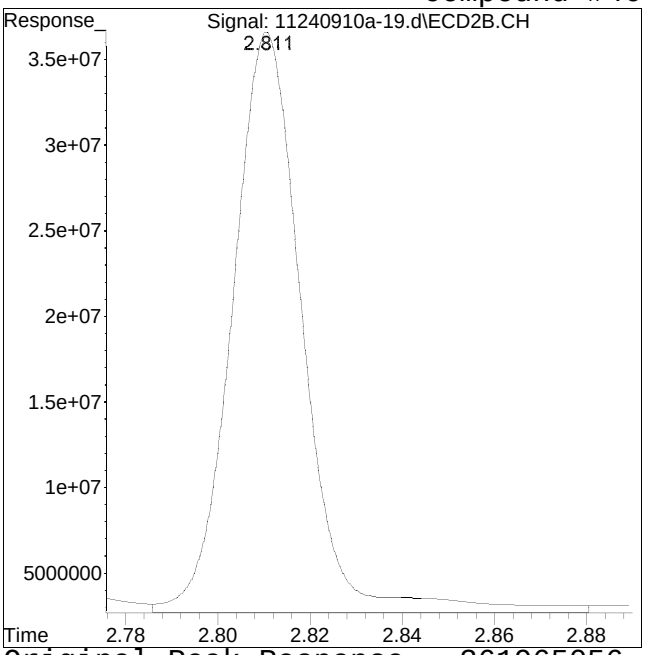
Manual Peak Response = 629718553 M4

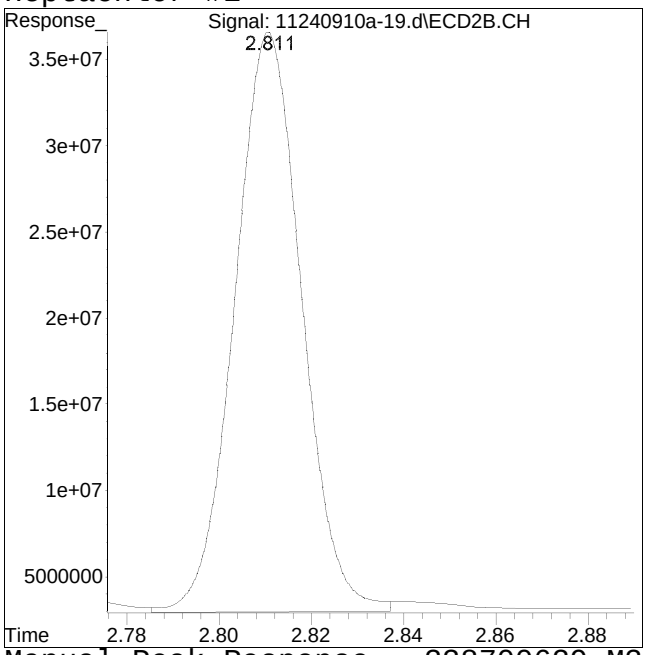
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #46: Heptachlor #2



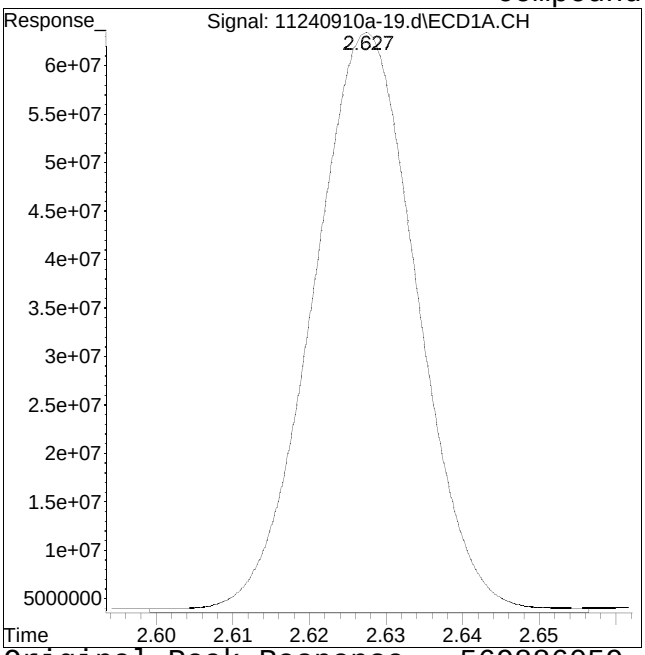


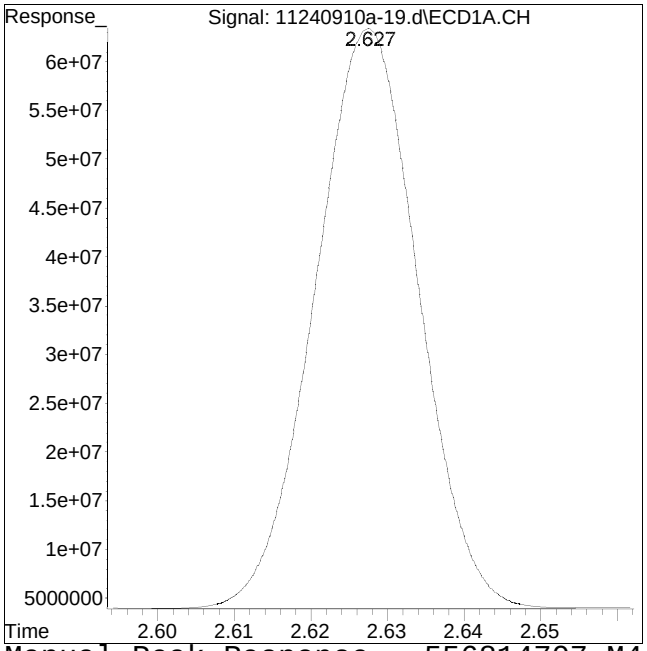
Original Peak Response = 361965056 Manual Peak Response = 338700629 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #9: Aldrin



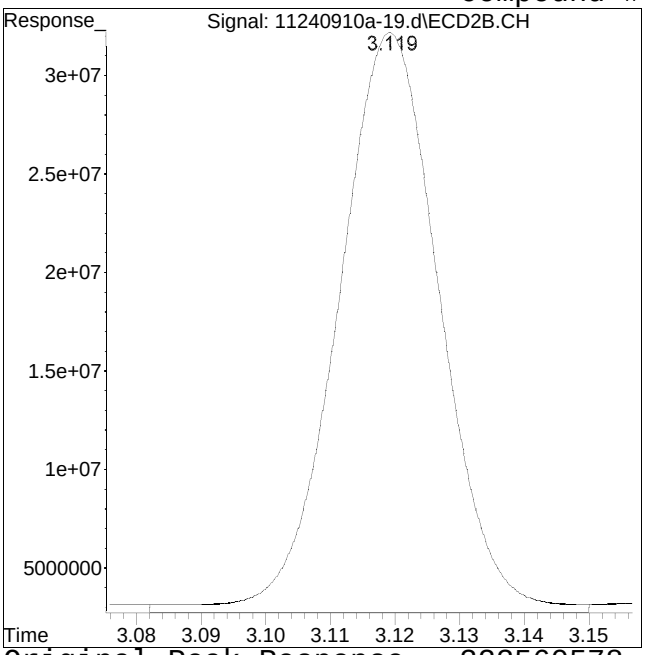


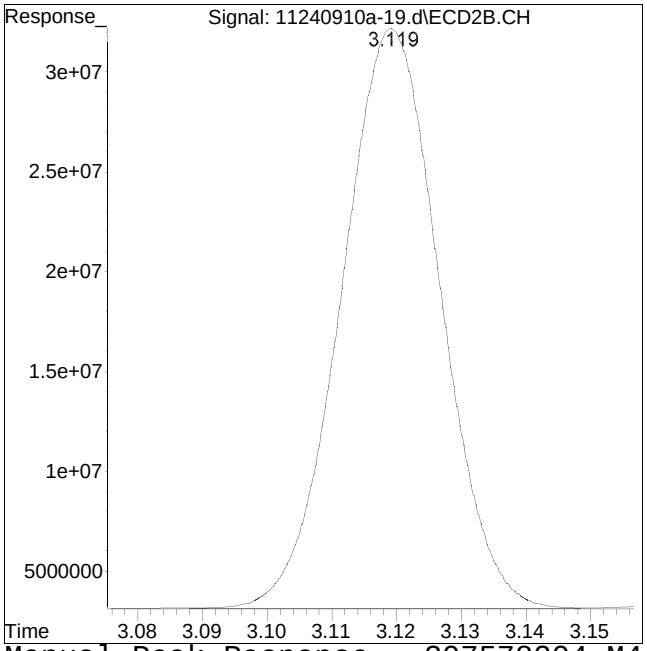
Original Peak Response = 569886059 Manual Peak Response = 556814707 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #47: Aldrin #2



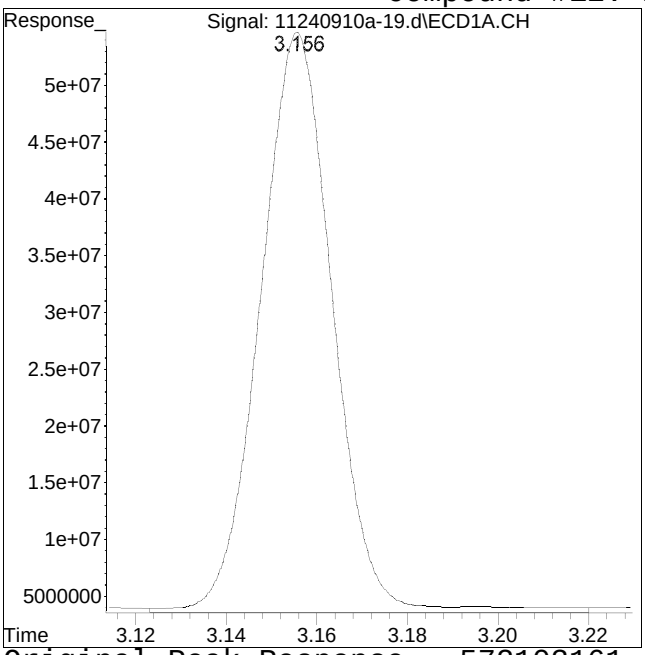


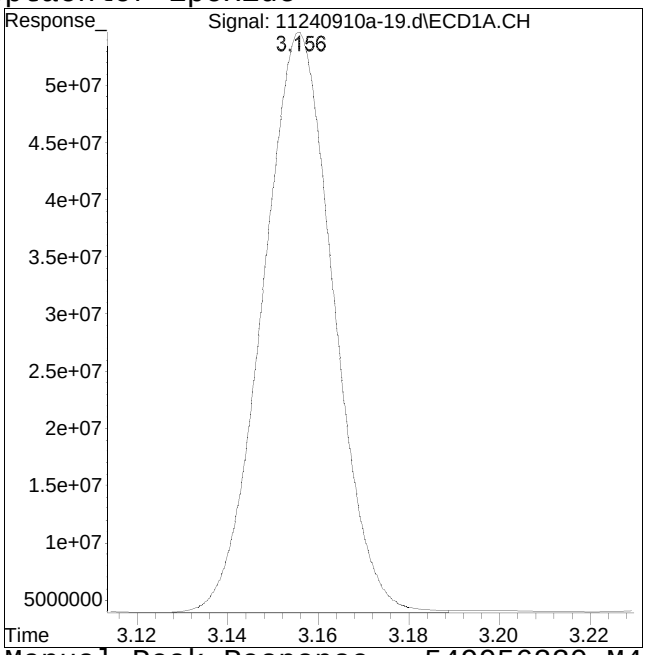
Original Peak Response = 323560578 Manual Peak Response = 307578204 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #12: Heptachlor Epoxide



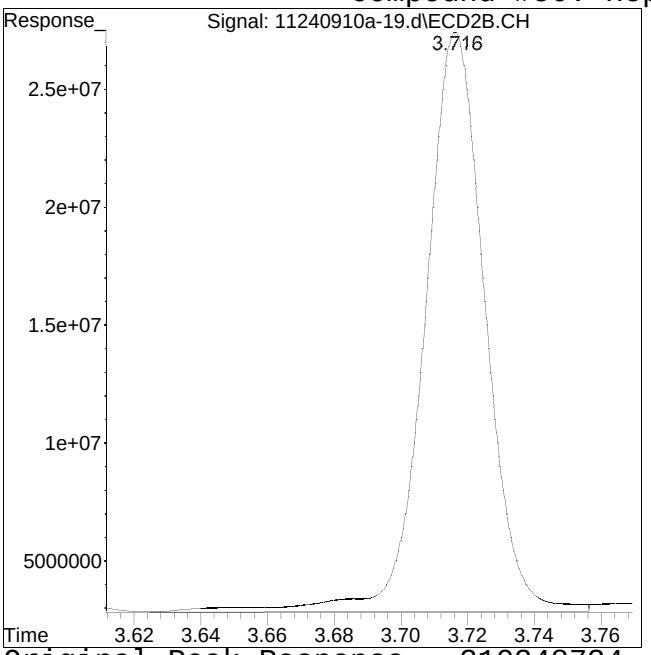


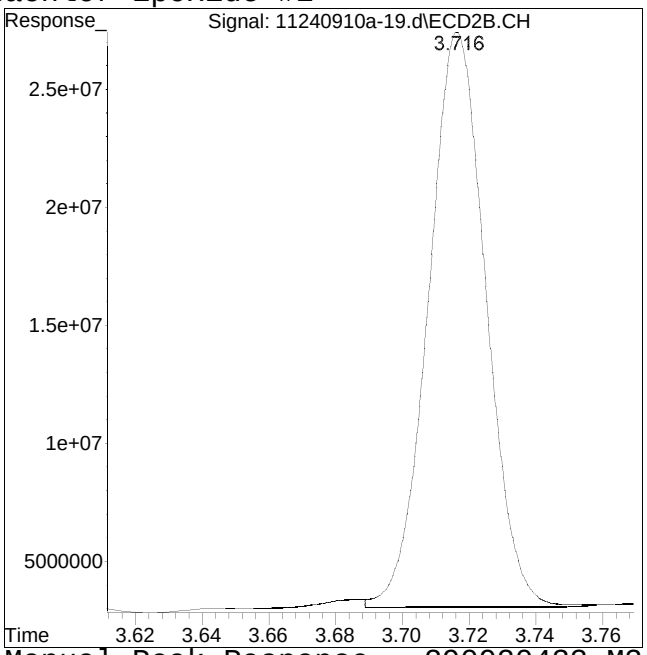
Original Peak Response = 572103161 Manual Peak Response = 549956330 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #50: Heptachlor Epoxide #2



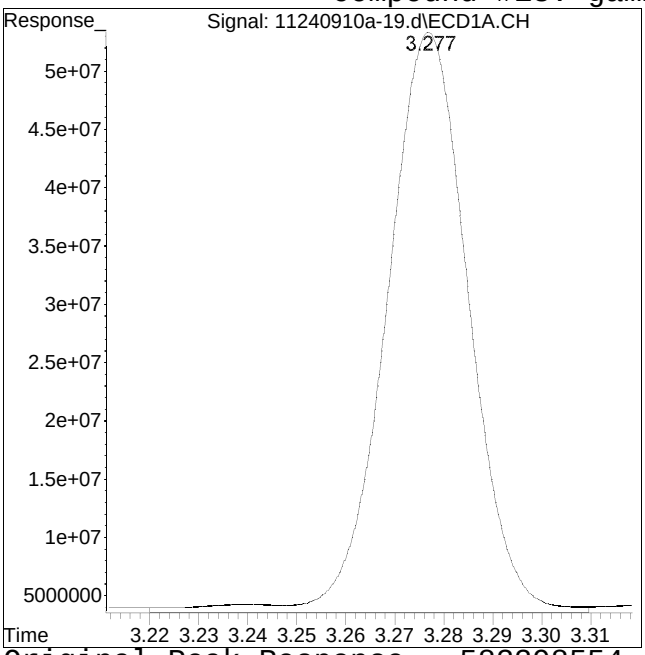


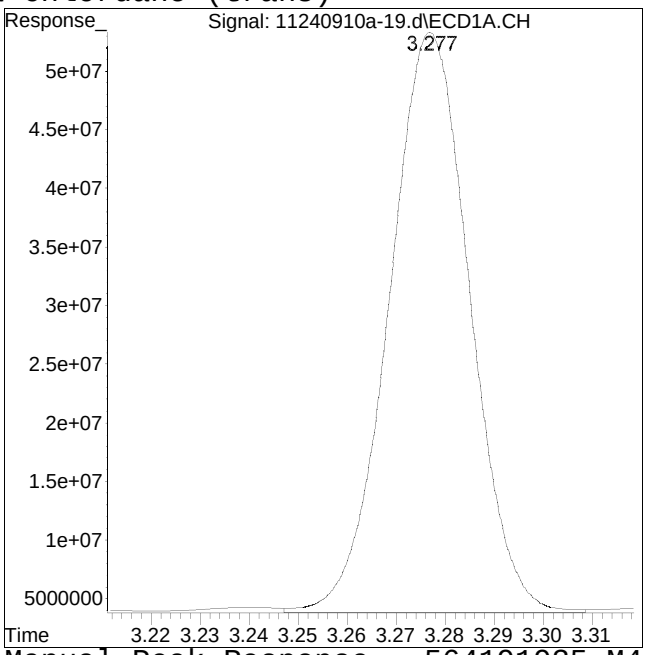
Original Peak Response = 310348734 Manual Peak Response = 290920433 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #13: gamma-Chlordane (trans)



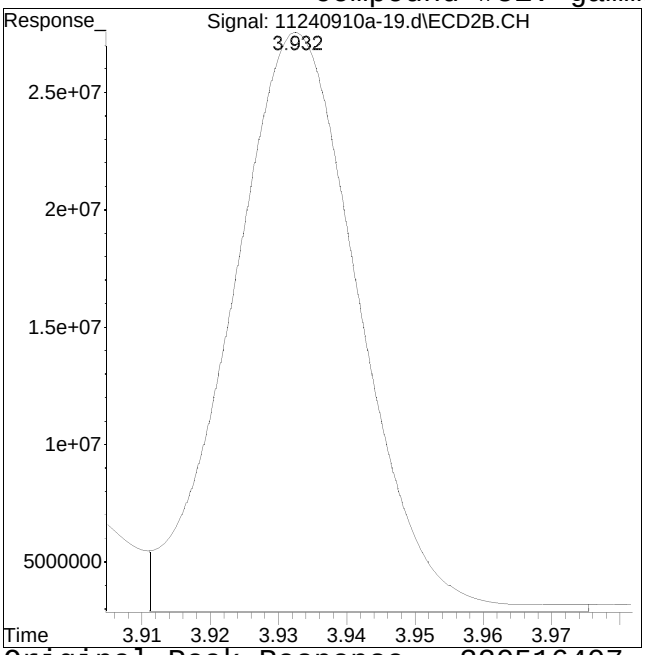


Original Peak Response = 583398554 Manual Peak Response = 564191935 M4
M4 = Poor automated baseline construction.

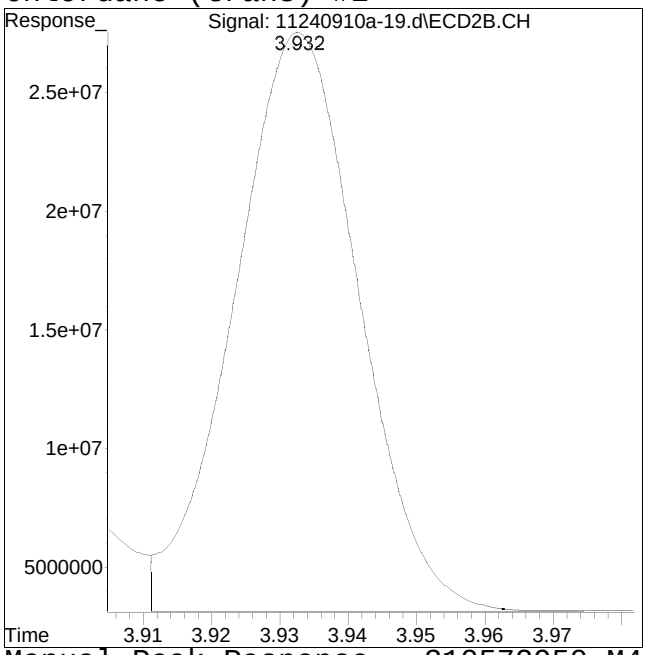
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 320516407



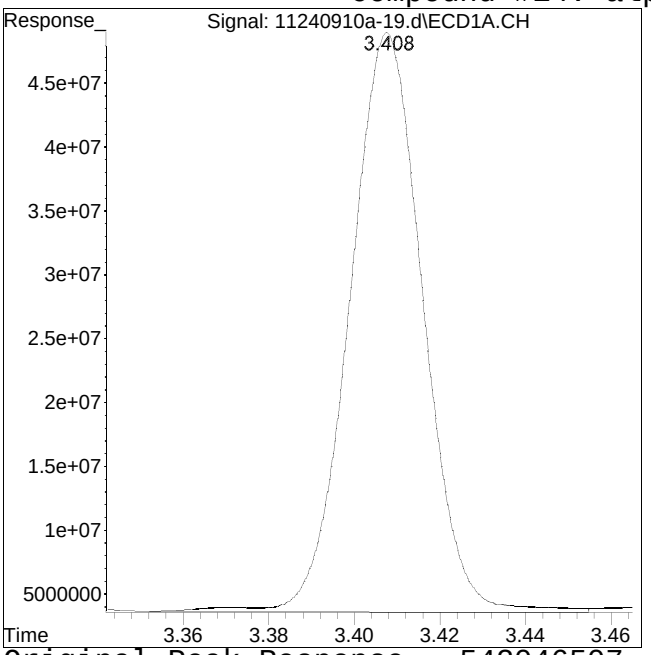
Manual Peak Response = 310572950 M4

M4 = Poor automated baseline construction.

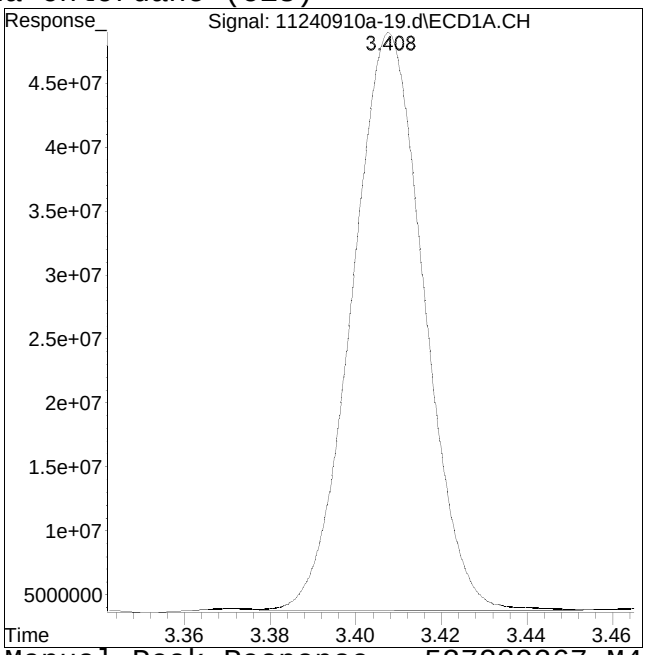
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 542046507



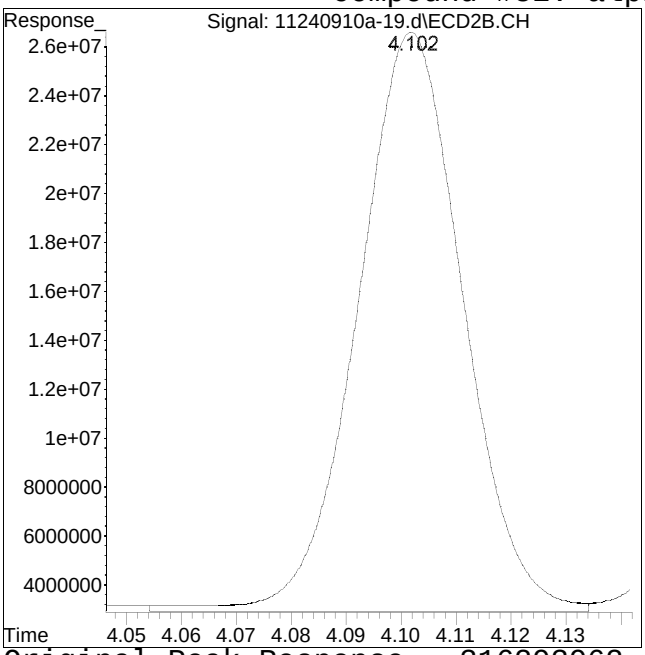
Manual Peak Response = 527239267 M4

M4 = Poor automated baseline construction.

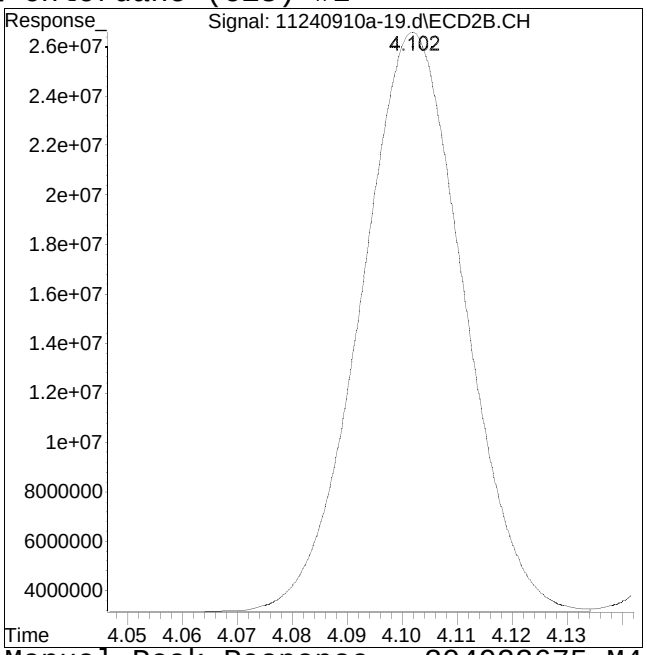
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 316293962



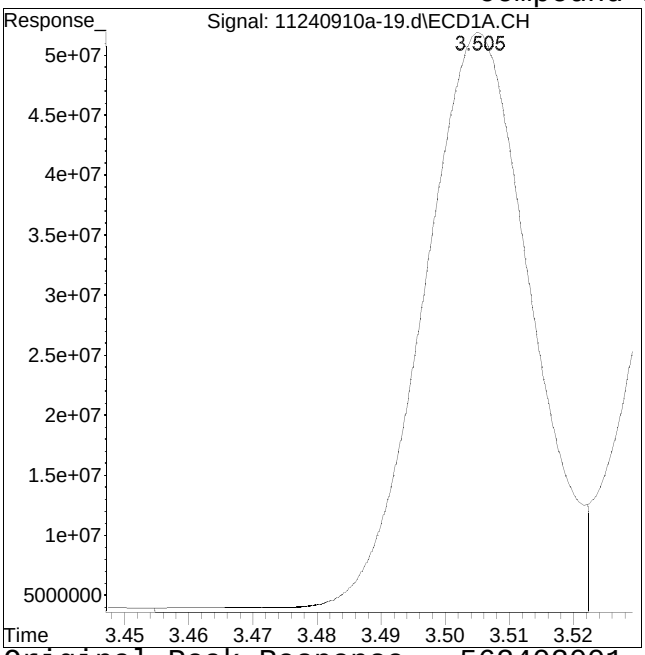
Manual Peak Response = 304923675 M4

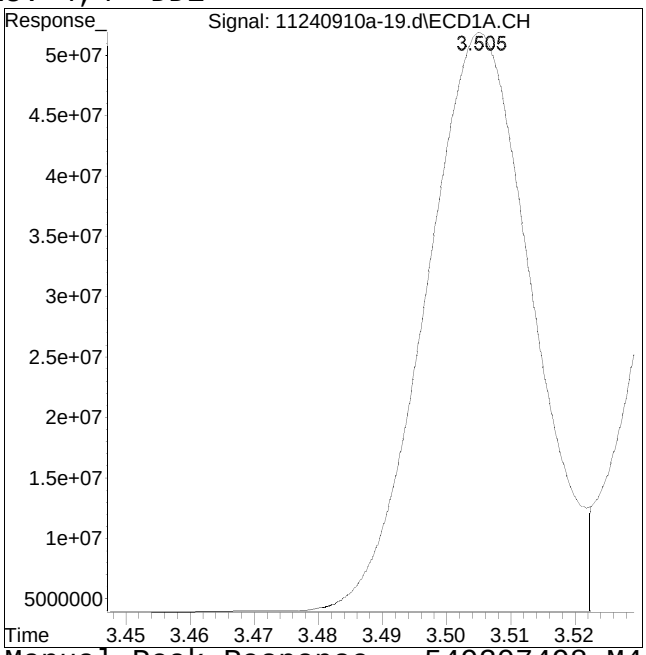
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #15: 4,4'-DDE



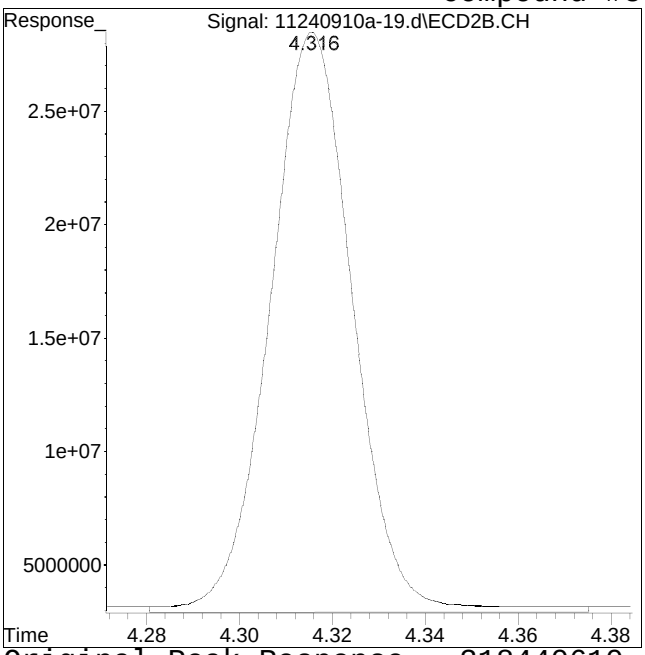


Original Peak Response = 562402001 Manual Peak Response = 549307498 M4
M4 = Poor automated baseline construction.

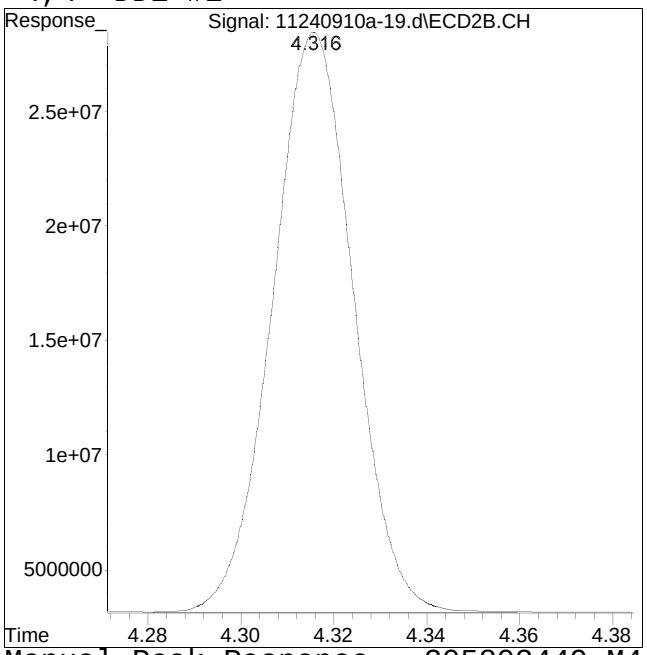
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 318440610



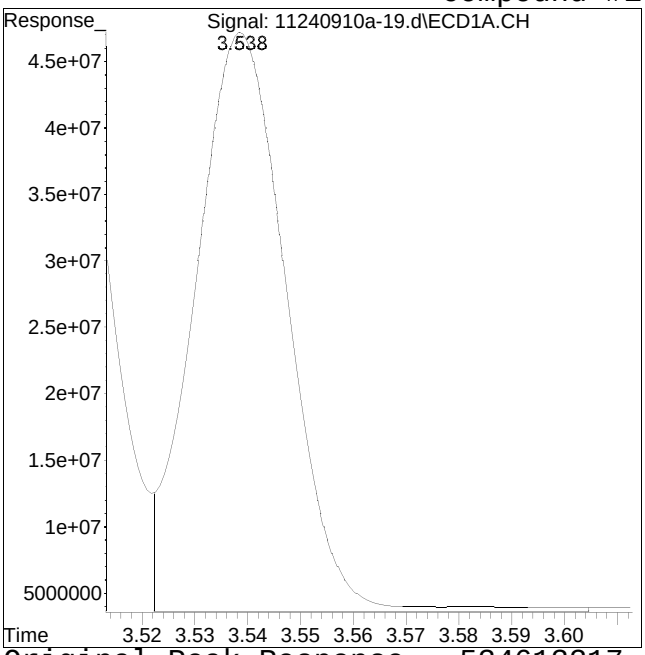
Manual Peak Response = 305803449 M4

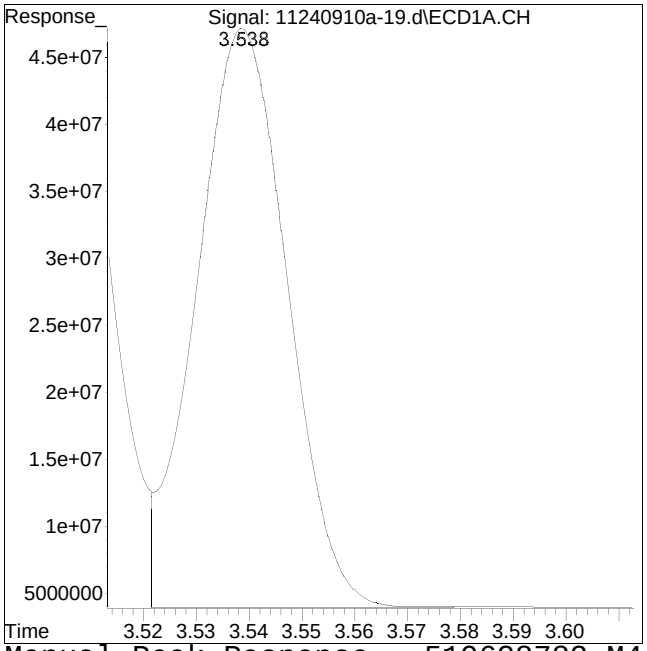
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #16: Endosulfan I



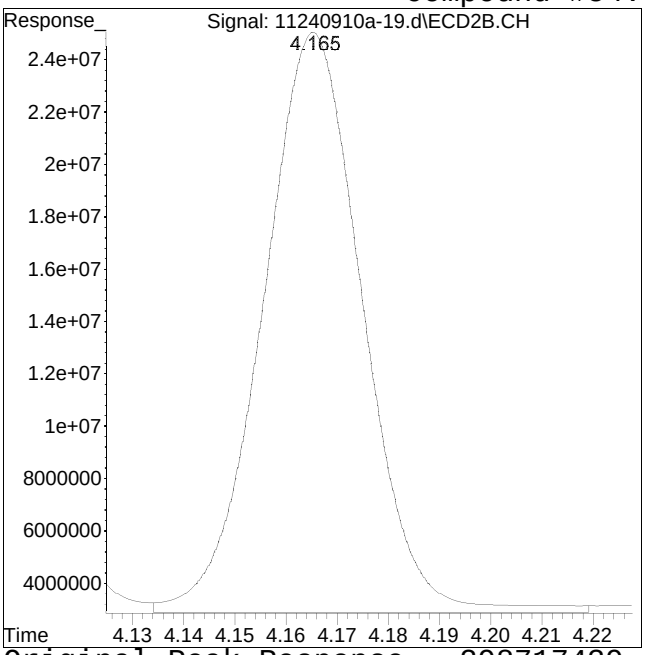


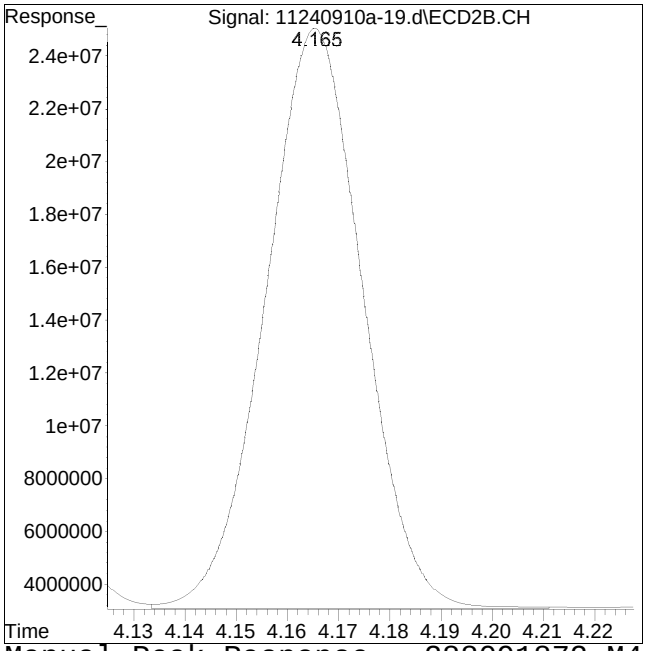
Original Peak Response = 534613317 Manual Peak Response = 519628782 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #54: Endosulfan I #2



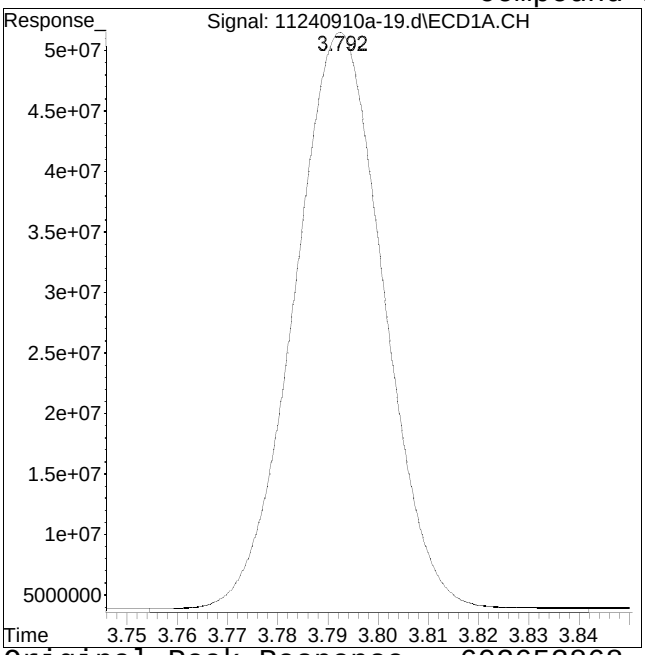


Original Peak Response = 298717439 Manual Peak Response = 288091872 M4
M4 = Poor automated baseline construction.

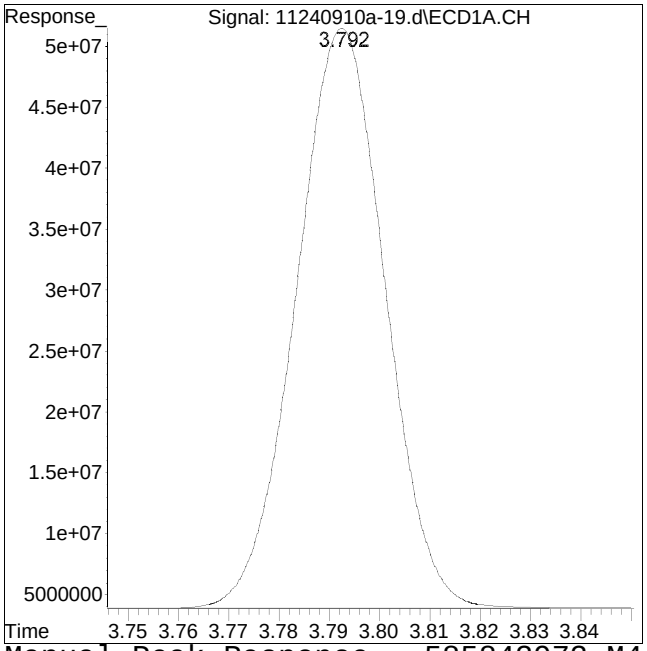
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #17: Dieldrin



Original Peak Response = 602653868



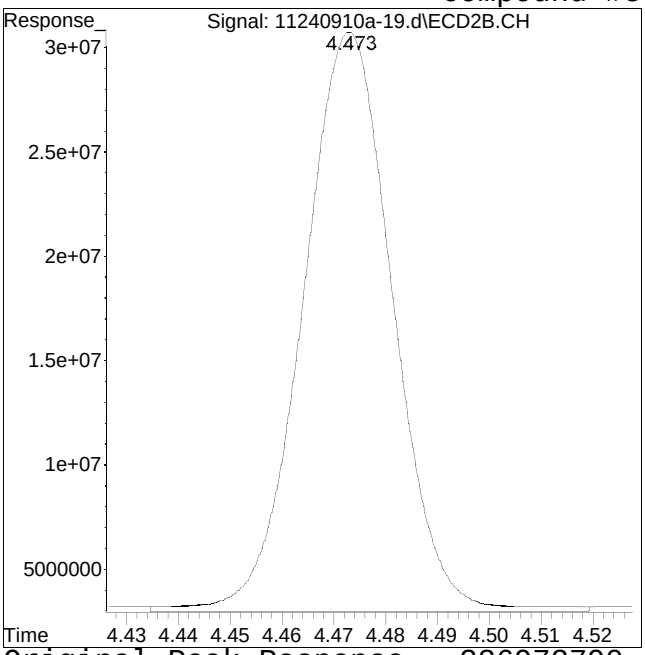
Manual Peak Response = 585843973 M4

M4 = Poor automated baseline construction.

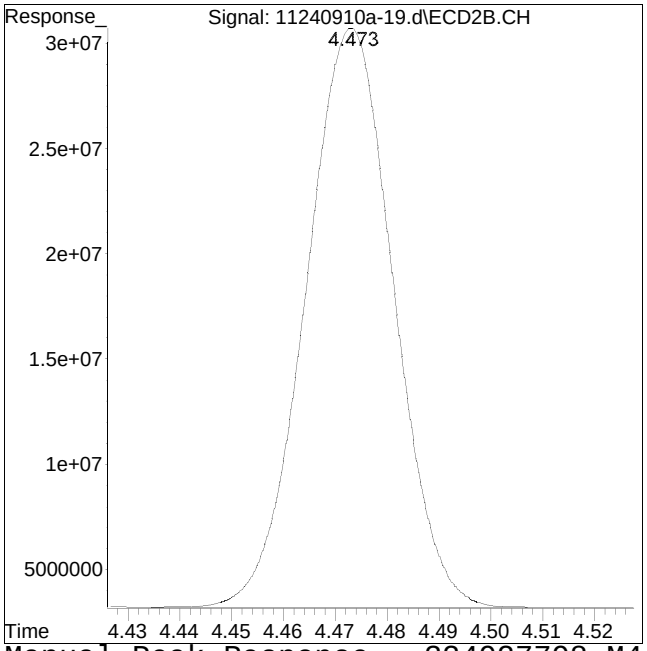
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #55: Dieldrin #2



Original Peak Response = 336972790



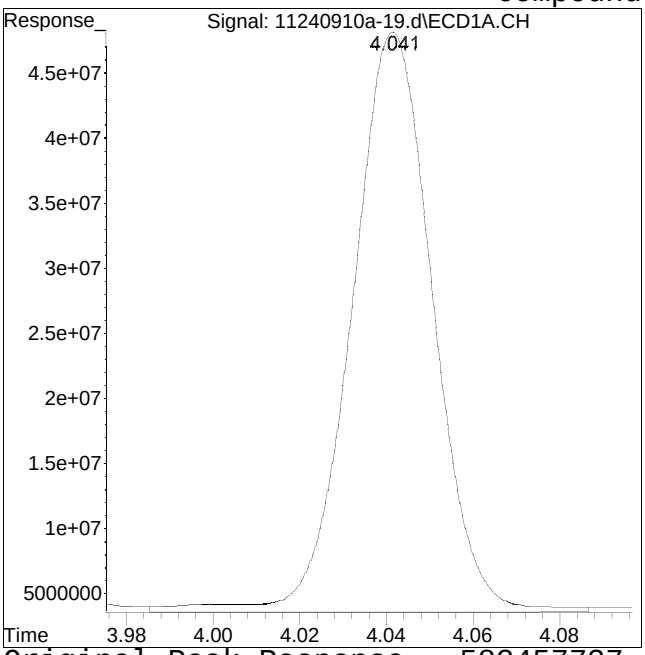
Manual Peak Response = 324927798 M4

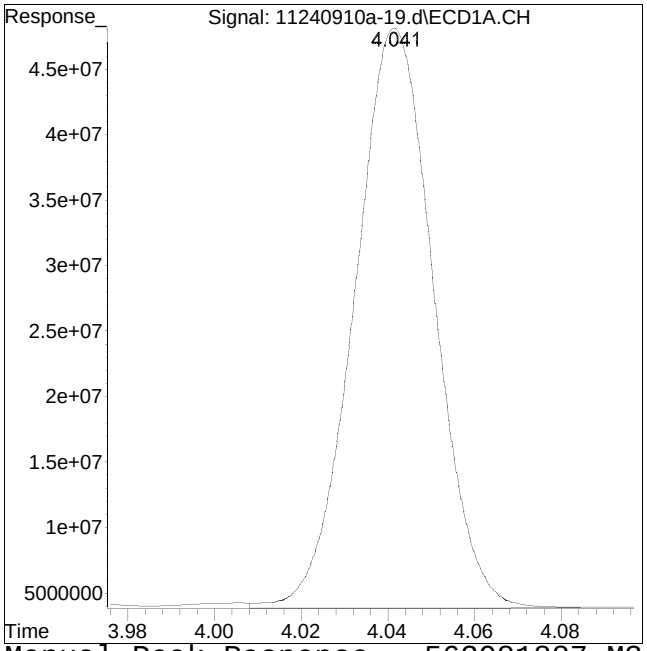
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #18: Endrin



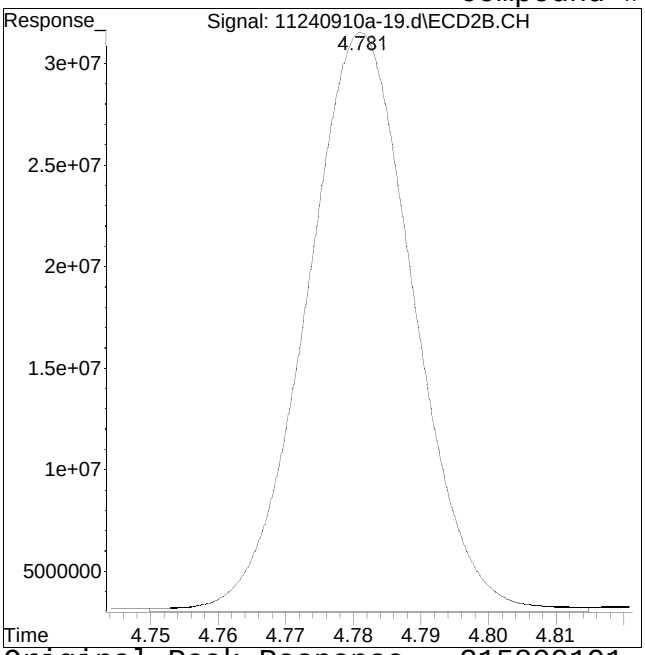


Original Peak Response = 583457737 Manual Peak Response = 562981887 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

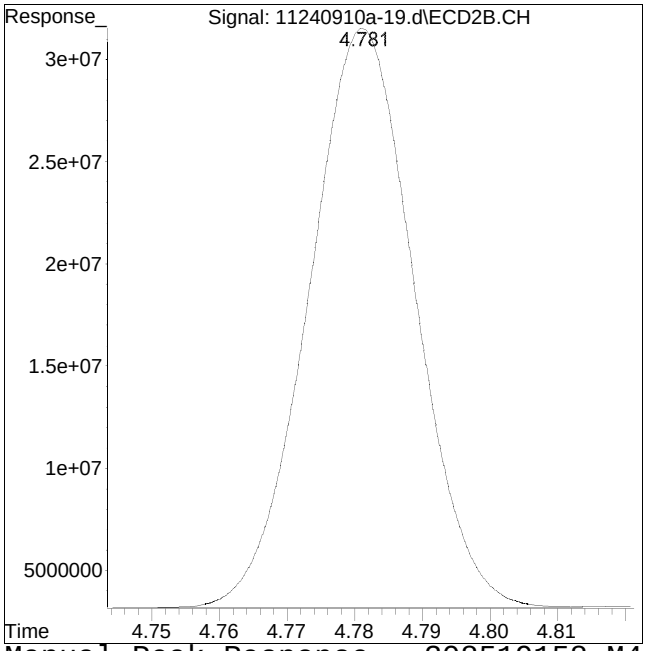
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #56: Endrin #2



Original Peak Response = 315809191



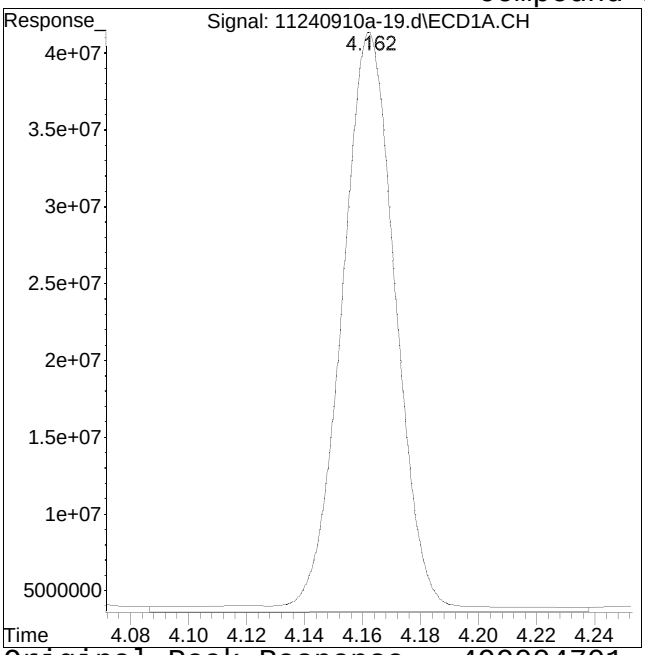
Manual Peak Response = 308519158 M4

M4 = Poor automated baseline construction.

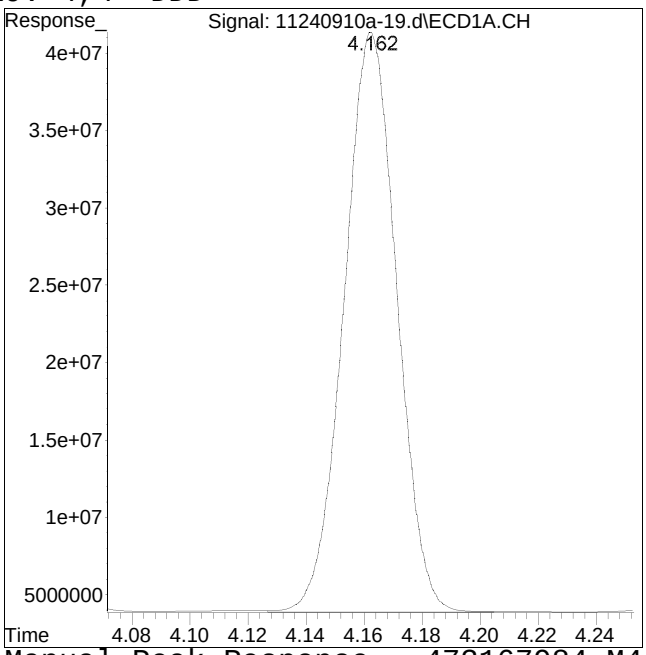
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #19: 4,4'-DDD



Original Peak Response = 499004701



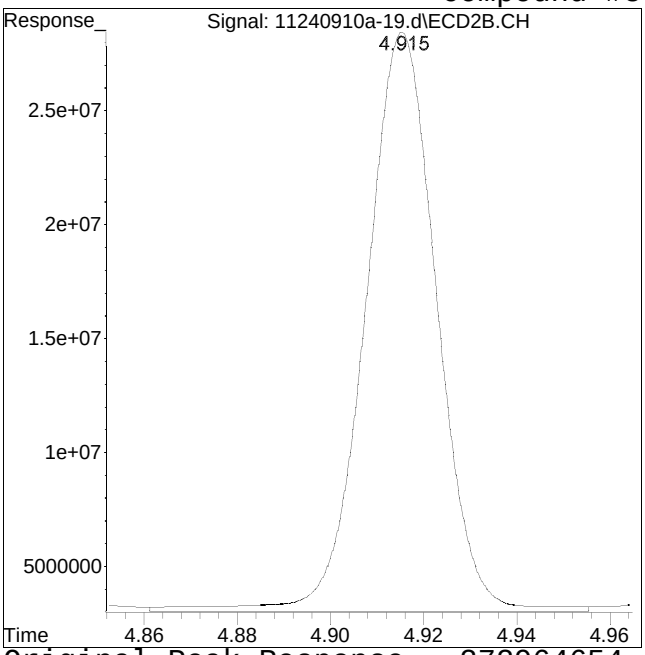
Manual Peak Response = 473167984 M4

M4 = Poor automated baseline construction.

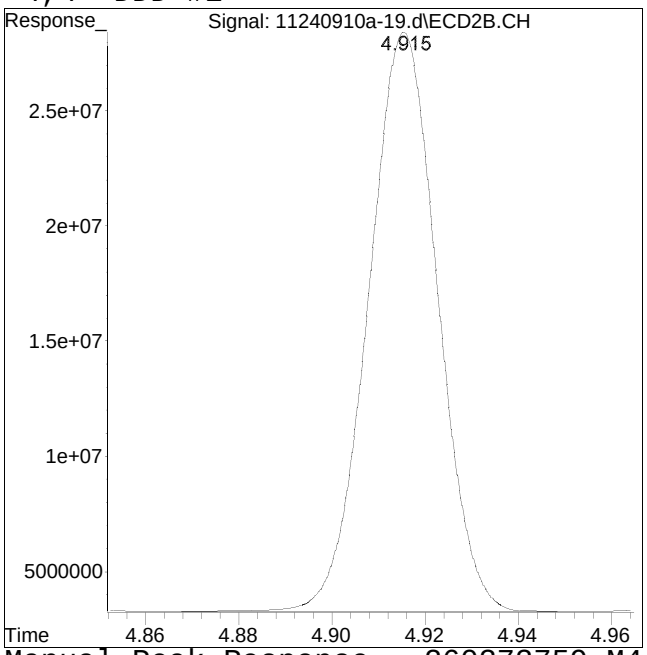
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 272964654



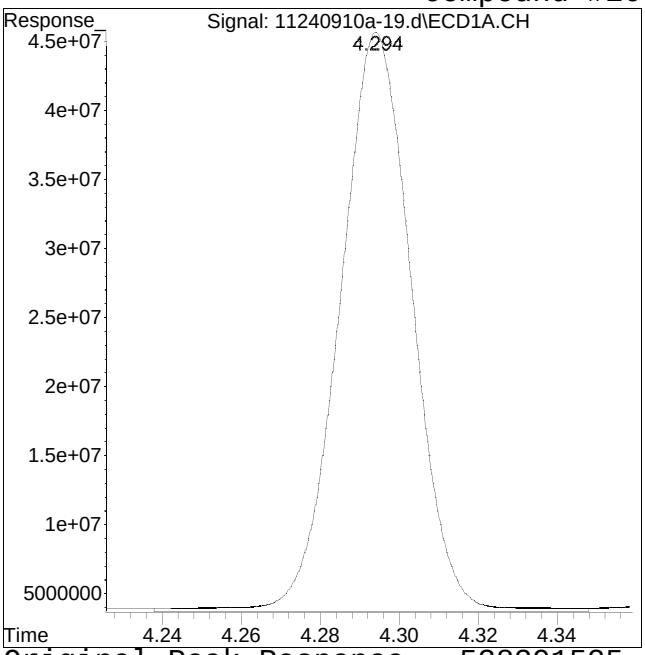
Manual Peak Response = 260373759 M4

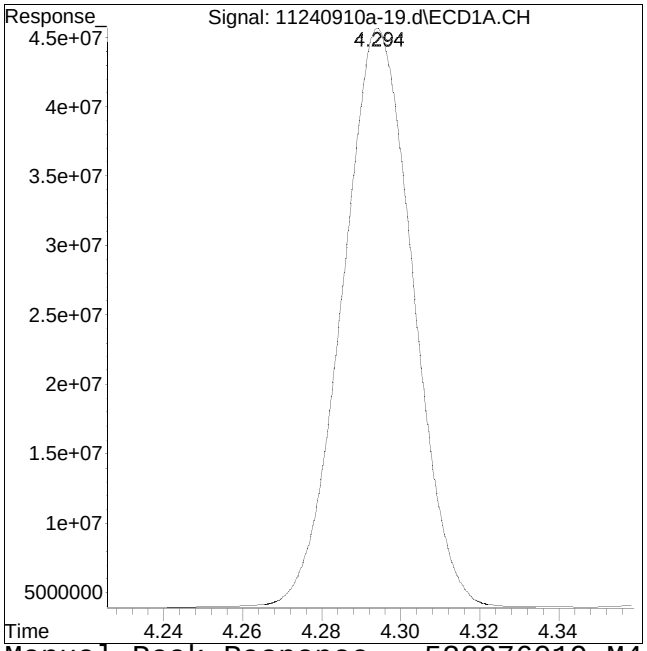
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #20: Endosulfan II





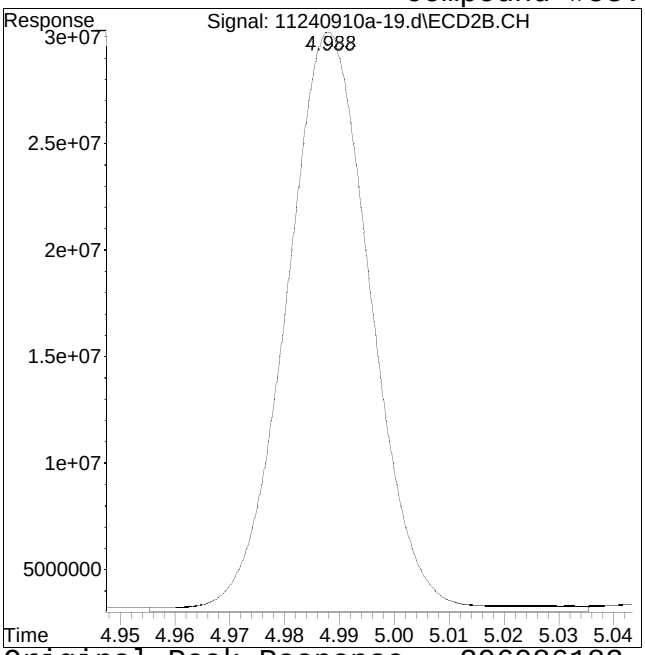
Original Peak Response = 538391525 Manual Peak Response = 522376019 M4
M4 = Poor automated baseline construction.

Manual Integration Report

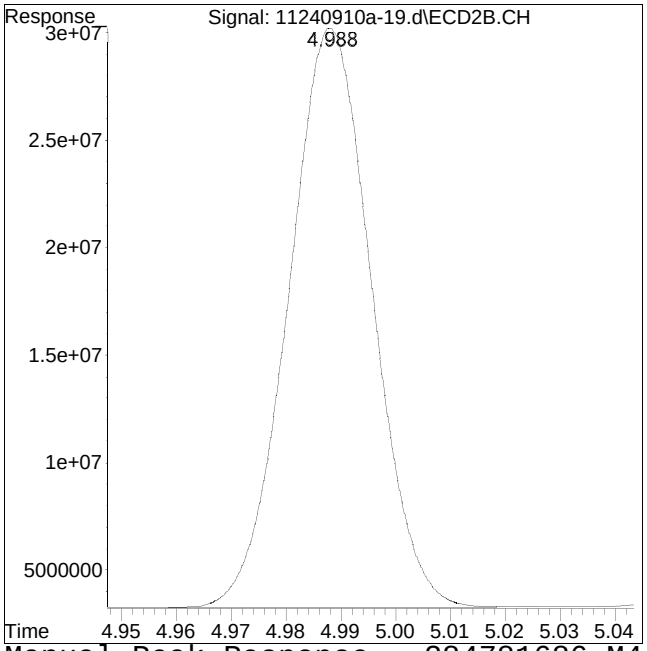
Data Path : I:\PEST\Pest11\2024\240910Q
Data File : 11240910a-19.d
Date Inj'd : 9/10/2024 12:32
Sample : WG1968977-2,42,,

Method : pest11_08_01_24_ugL_ICAL
Operator : PEST11:jag
Instrument : Pest 11
Quant Date : 9/10/2024 1:18 pm

Compound #58: Endosulfan II #2



Original Peak Response = 296086183



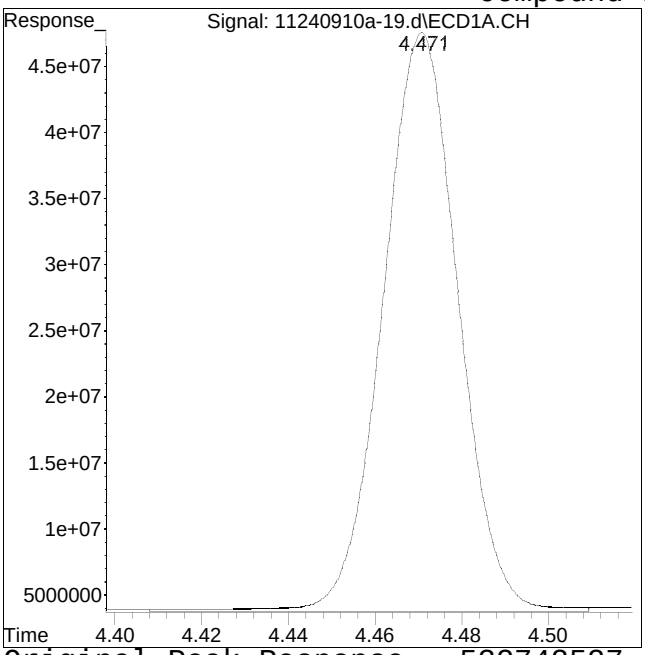
Manual Peak Response = 284781686 M4

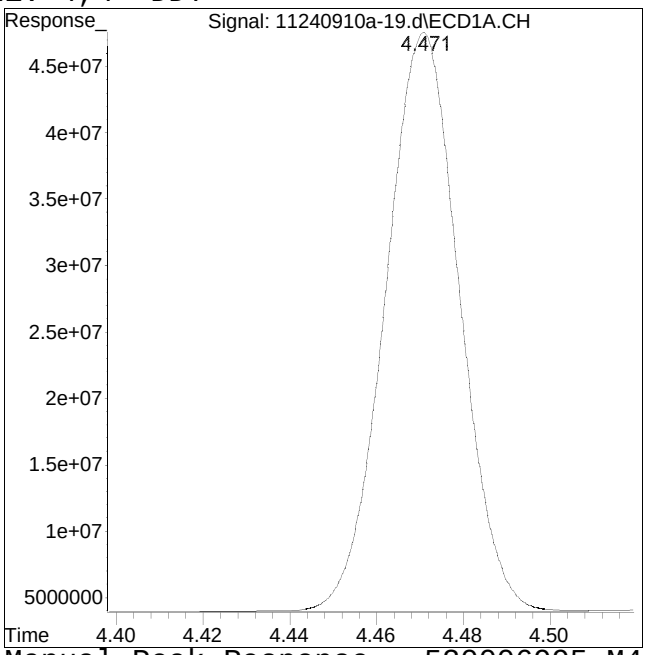
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #21: 4,4'-DDT



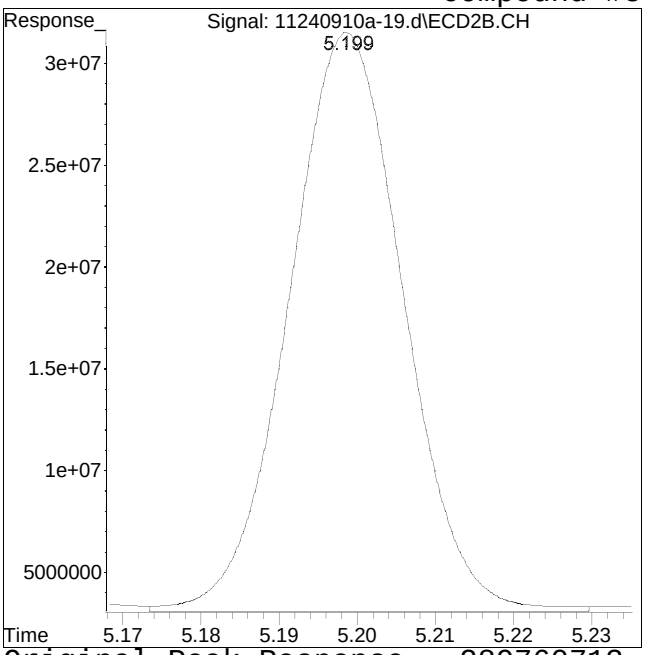


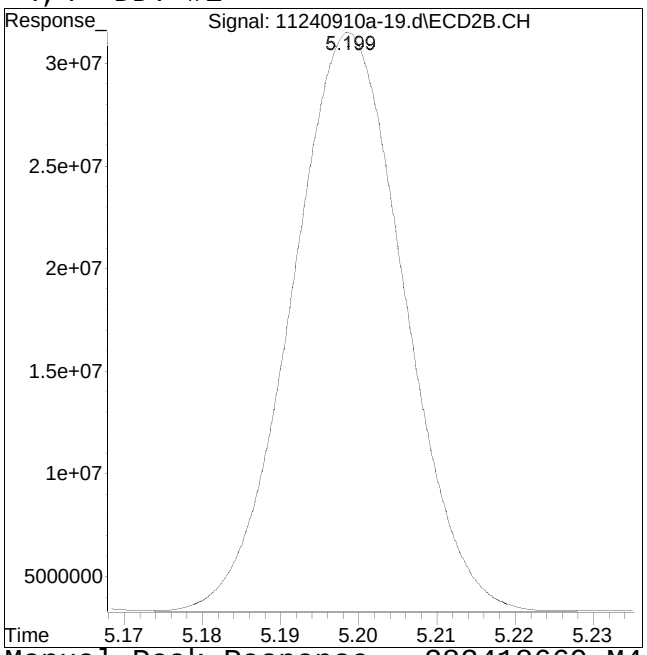
Original Peak Response = 532742527 Manual Peak Response = 520006995 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #59: 4,4'-DDT #2



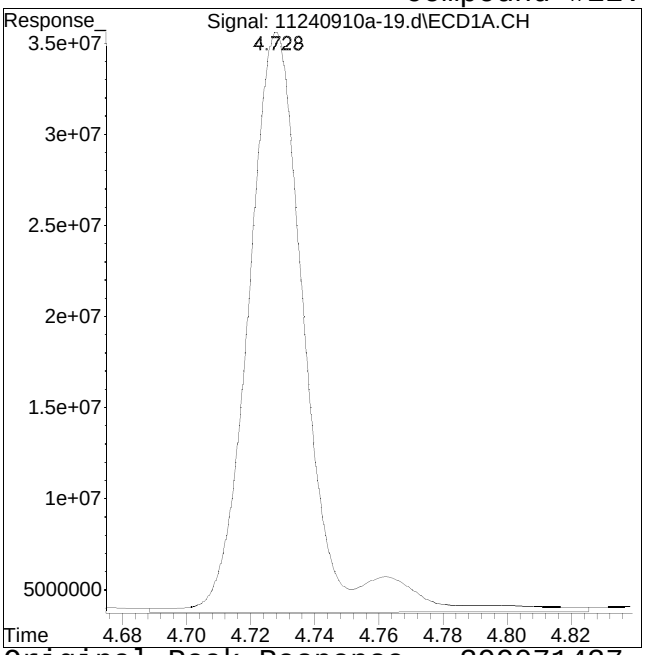


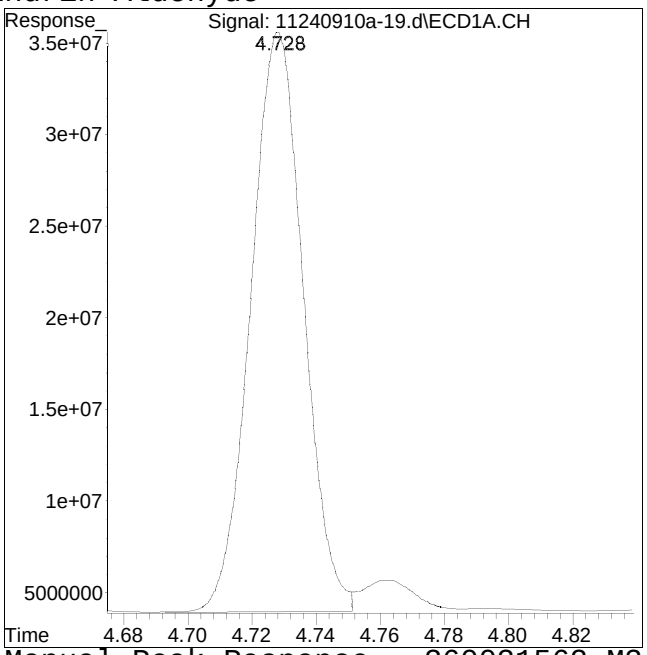
Original Peak Response = 289760713 Manual Peak Response = 282418669 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #22: Endrin Aldehyde



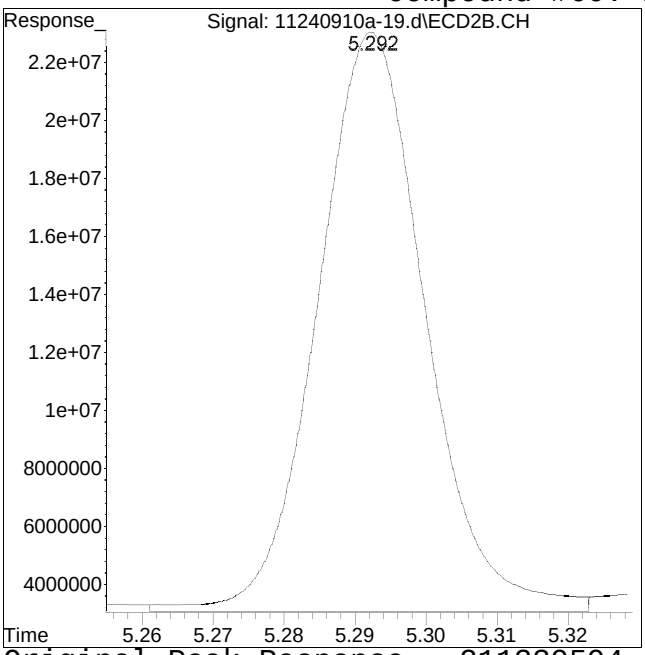


Original Peak Response = 399071437 Manual Peak Response = 360031562 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

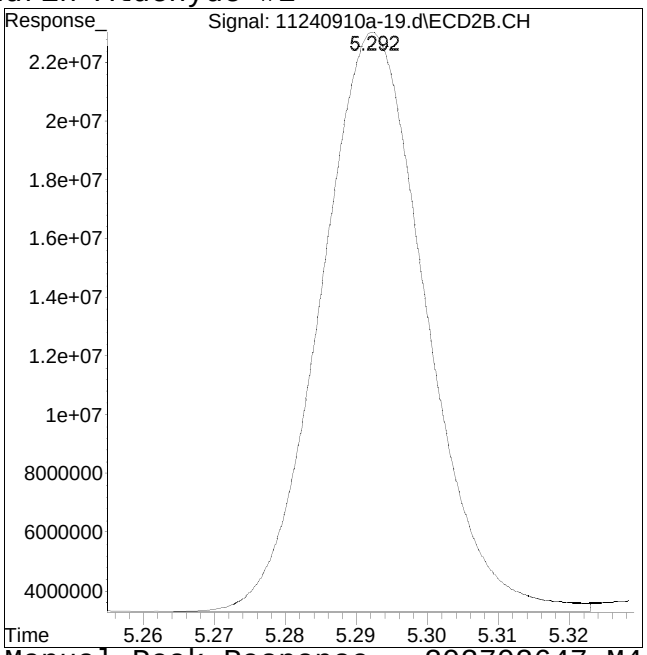
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #60: Endrin Aldehyde #2



Original Peak Response = 211339594



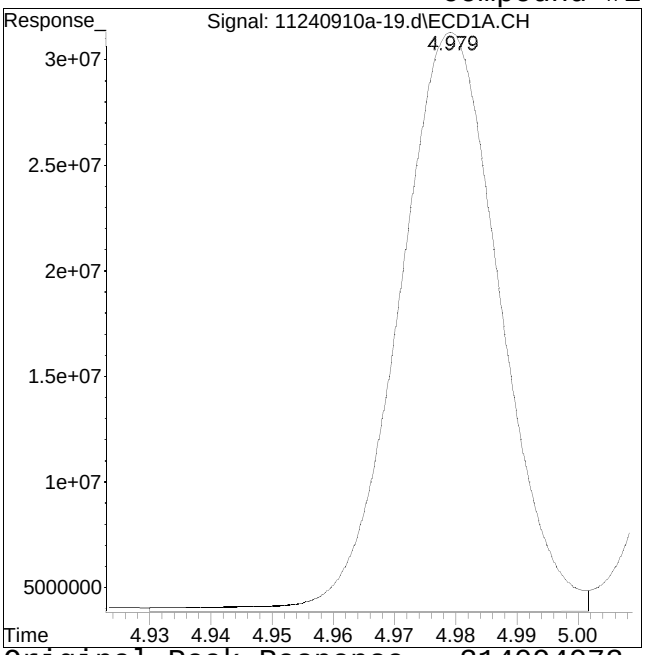
Manual Peak Response = 202702647 M4

M4 = Poor automated baseline construction.

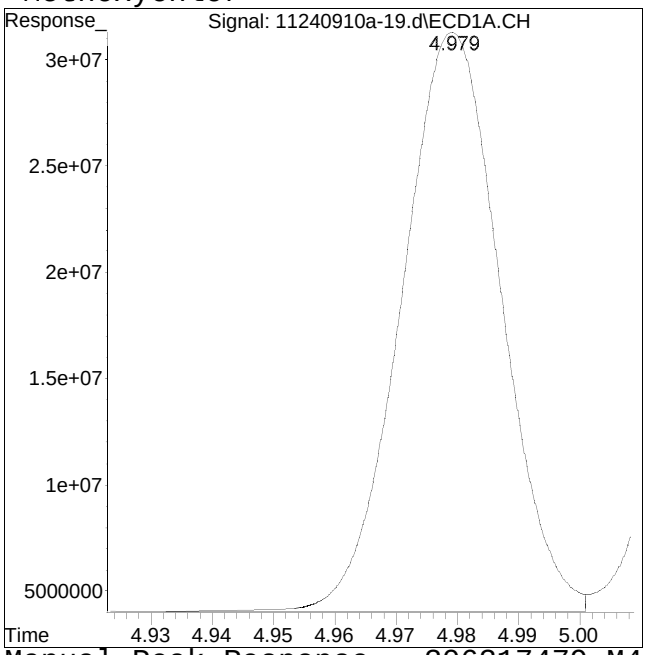
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #23: Methoxychlor



Original Peak Response = 314094973



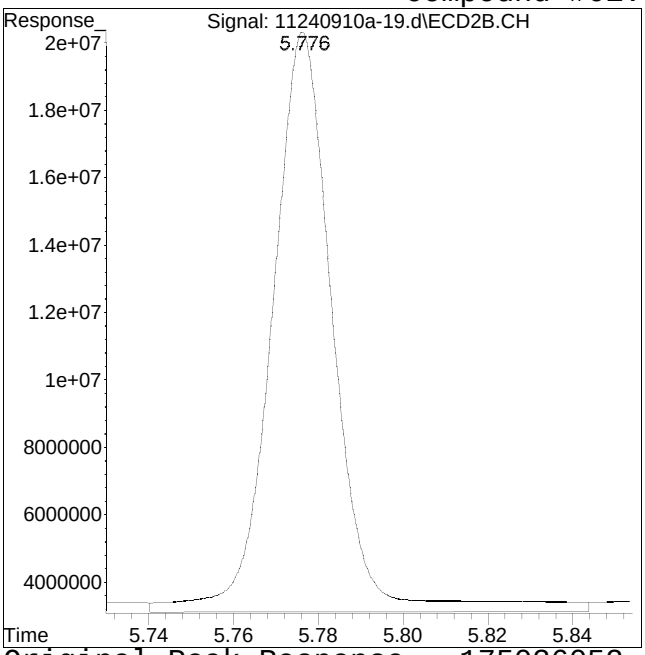
Manual Peak Response = 306317479 M4

M4 = Poor automated baseline construction.

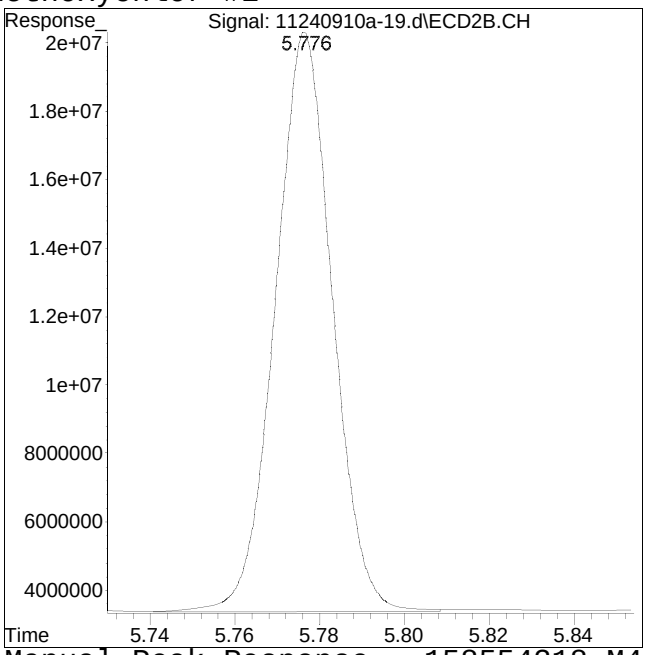
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #61: Methoxychlor #2



Original Peak Response = 175036052



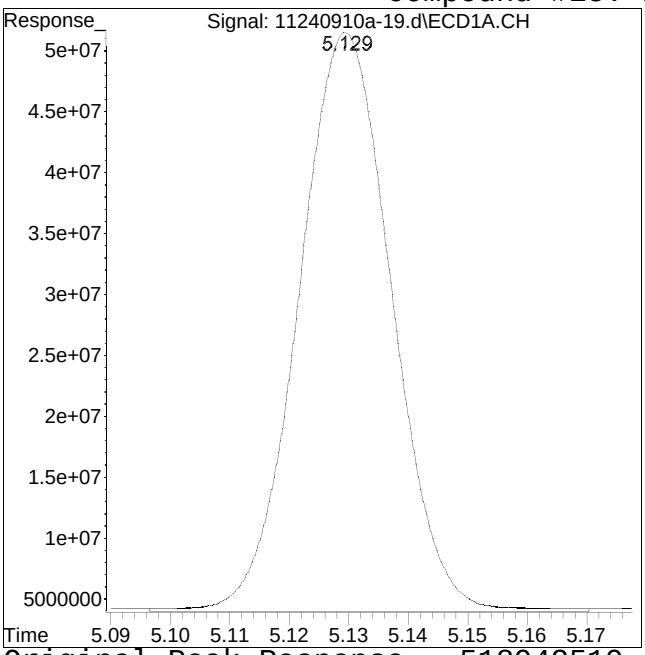
Manual Peak Response = 158554318 M4

M4 = Poor automated baseline construction.

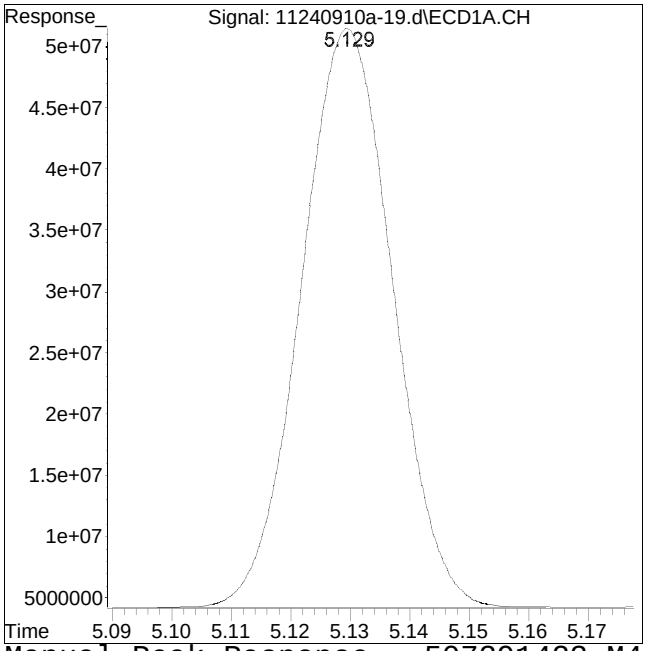
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 518942519



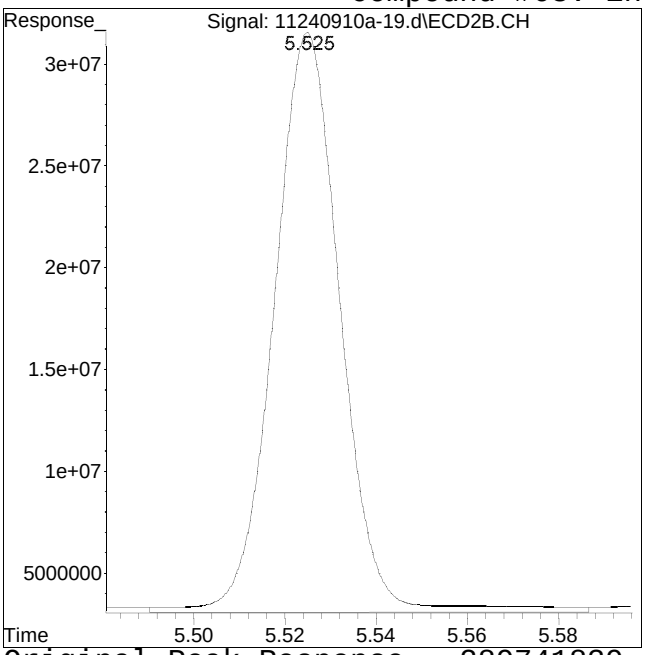
Manual Peak Response = 507391423 M4

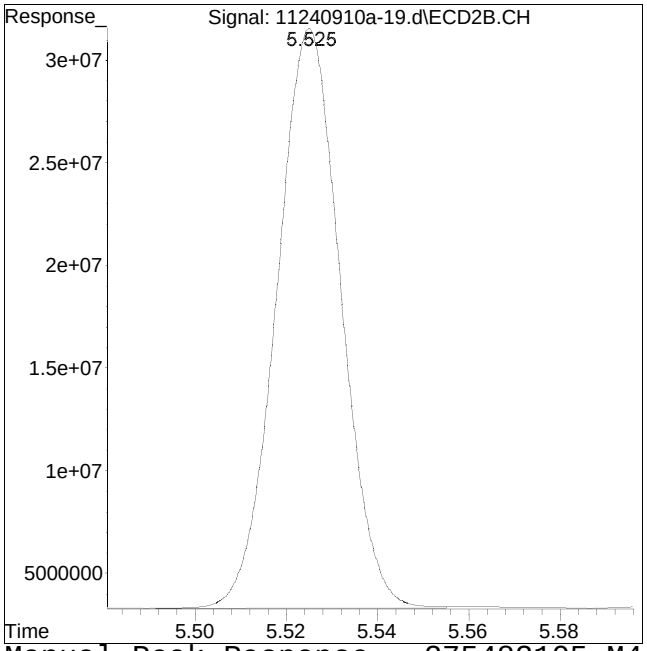
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #63: Endosulfan Sulfate #2



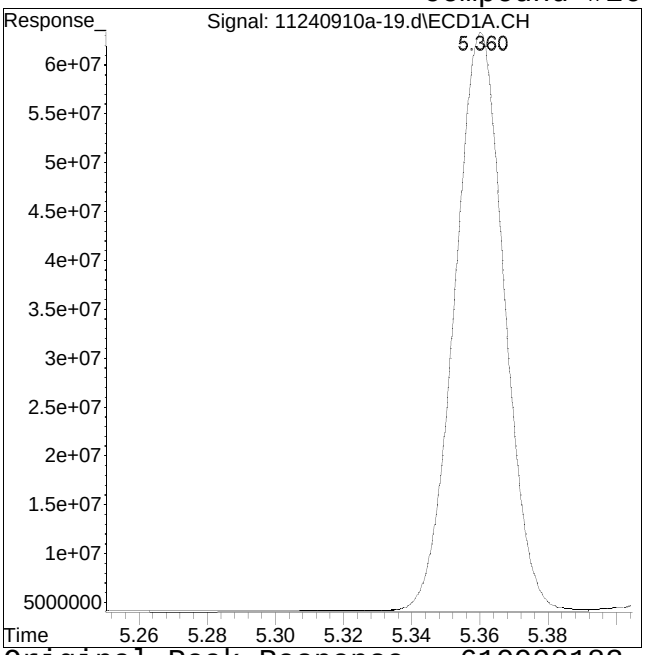


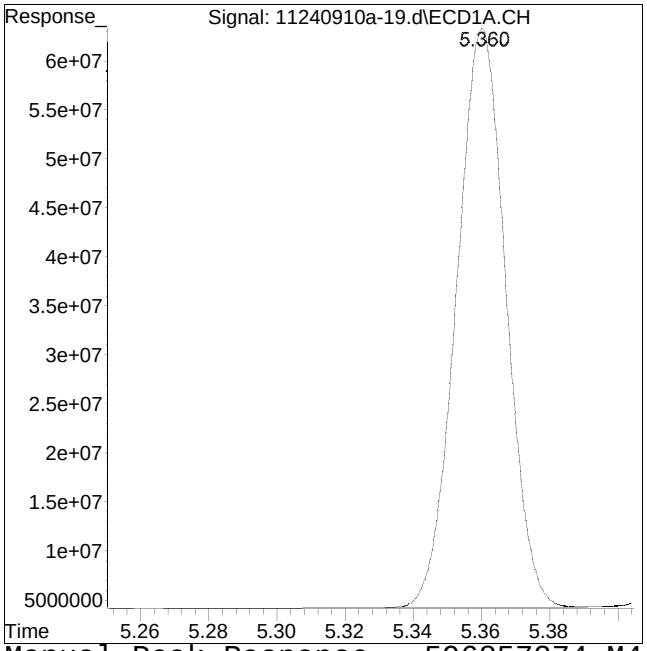
Original Peak Response = 289741839 Manual Peak Response = 275483105 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #26: Endrin Ketone



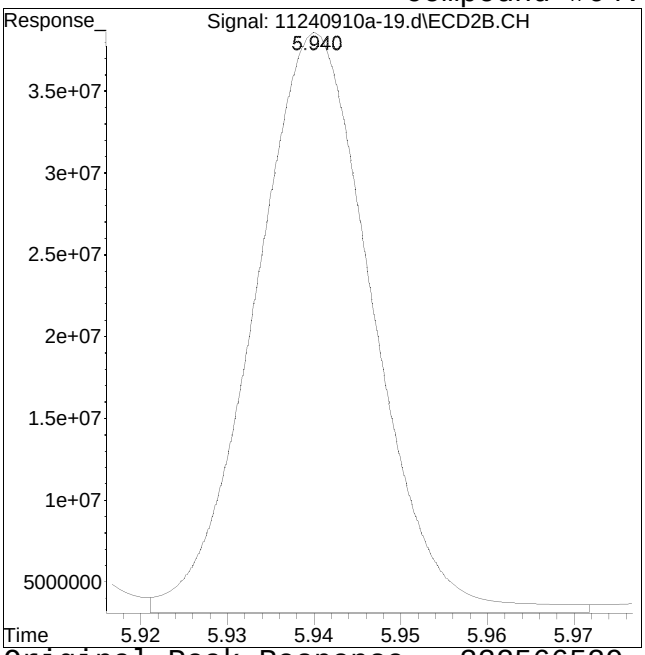


Original Peak Response = 610999183 Manual Peak Response = 596857274 M4
M4 = Poor automated baseline construction.

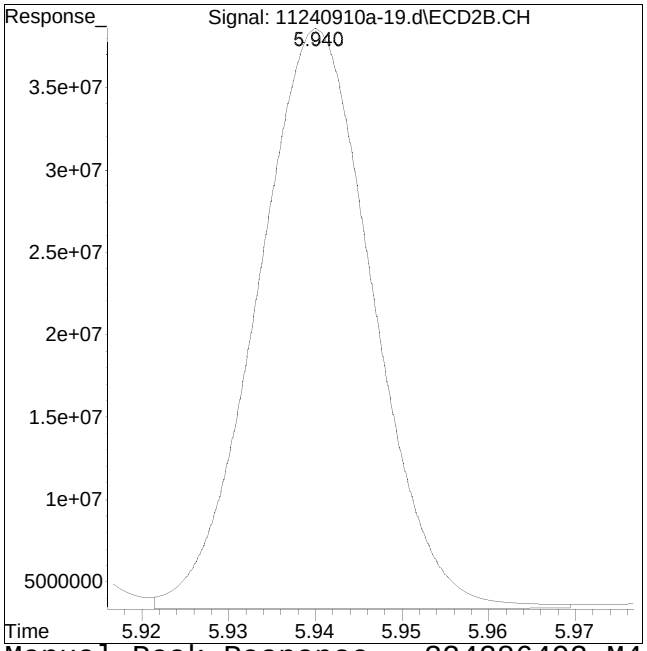
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 332566529



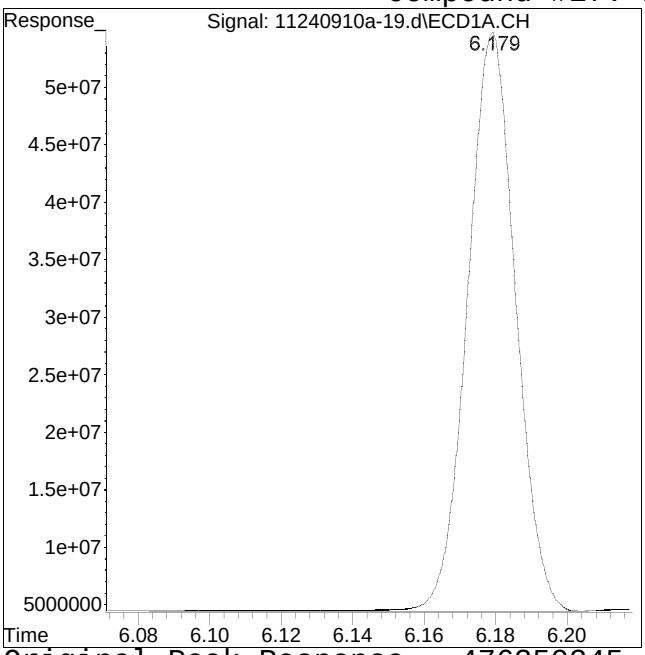
Manual Peak Response = 324286492 M4

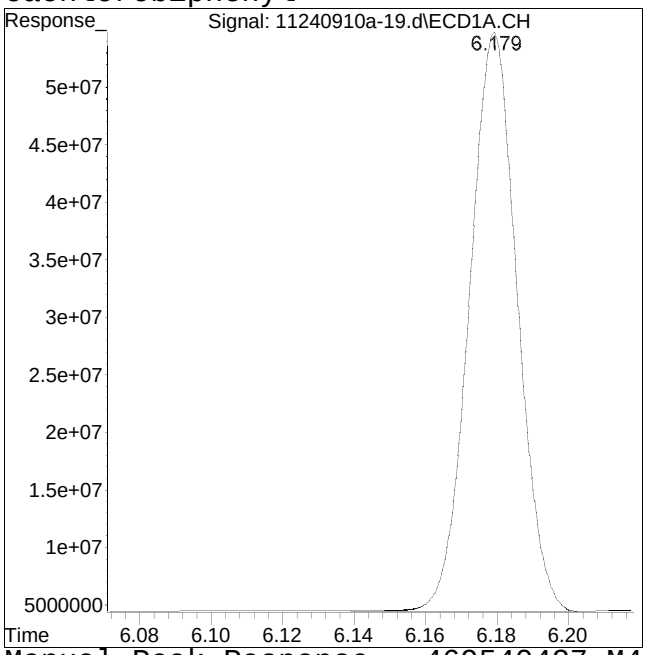
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #27: Decachlorobiphenyl



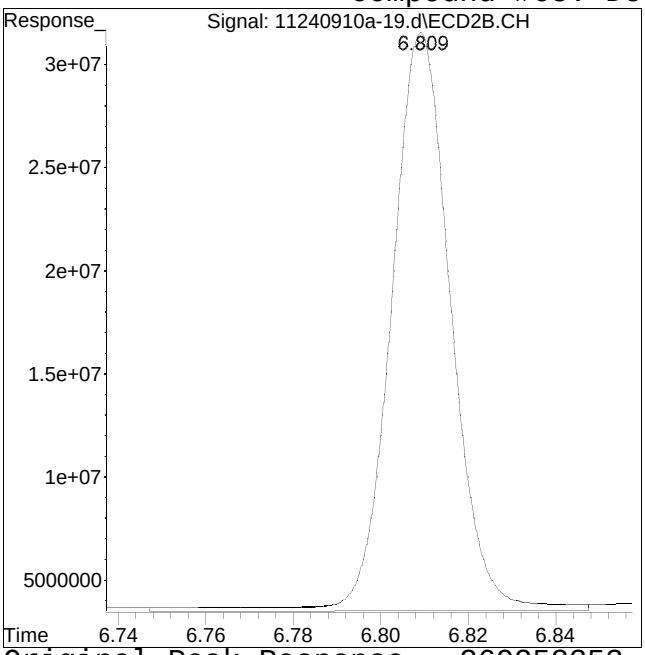


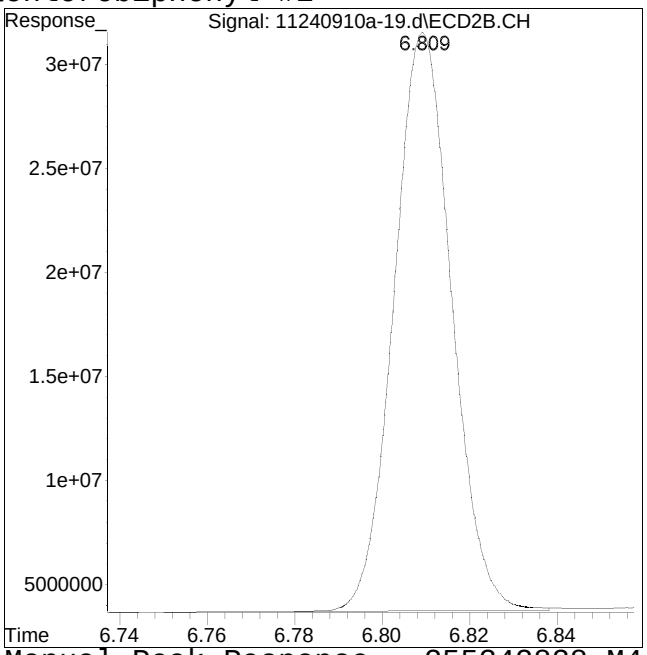
Original Peak Response = 476350245 Manual Peak Response = 469540427 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-19.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:32 Instrument : Pest 11
Sample : WG1968977-2,42,, Quant Date : 9/10/2024 1:18 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 269252353 Manual Peak Response = 255342828 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:44
Operator : PEST11:jag
Sample : WG1968977-3,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:25 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.302	308.3E6	175.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 268032417				Recovery = 115.04%		
	Standard Area 1 : #2 = 176274603				Recovery = 99.63%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.562	1.758	482.7E6	281.9E6	37.665M4	36.037M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 75.33%		72.07%	
27) s	Decachlorobi	6.179	6.810	470.3E6	254.6E6	32.789M4	34.188M4
	Spiked Amount 50.000	Range 30 - 150		Recovery = 65.58%		68.38%	
Target Compounds							
4) t	alpha-BHC	1.863	2.155	570.9E6	397.8E6	31.693M4	34.958M4
5) t	gamma-BHC (l	2.057	2.429	665.9E6	364.1E6	38.692M4	33.670M4
6) t	beta-BHC	2.112	2.494	291.1E6	161.9E6	37.592M4	36.365M4
7) t	delta-BHC	2.235	2.752	608.6E6	324.8E6	35.913M4	30.360M4
8) t	Heptachlor	2.393	2.811	628.8E6	336.7E6	38.593M4	29.996M4
9) t	Aldrin	2.627	3.119	562.1E6	311.2E6	36.959M4	30.873M4
12) t	Heptachlor E	3.155	3.716	549.3E6	294.8E6	37.565M4	29.436M3
13) t	gamma-Chlord	3.277	3.932	559.4E6	309.2E6	42.112M4	33.559M4
14) t	alpha-Chlord	3.407	4.102	529.7E6	304.3E6	35.309M4	29.962M4
15) t	4,4'-DDE	3.505	4.316	548.8E6	304.9E6	37.343M4	32.324M4
16) t	Endosulfan I	3.539	4.165	518.0E6	287.3E6	37.629	30.707M4
17) t	Dieldrin	3.792	4.473	586.7E6	323.7E6	41.906M4	34.712M4
18) t	Endrin	4.041	4.781	559.7E6	307.4E6	39.362M3	32.495M4
19) t	4,4'-DDD	4.162	4.915	471.7E6	258.1E6	41.242M4	33.897M4
20) t	Endosulfan I	4.294	4.988	520.2E6	283.0E6	40.091M4	33.196M4
21) t	4,4'-DDT	4.471	5.199	517.8E6	273.8E6	39.668M4	31.171M4

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:44
Operator : PEST11:jag
Sample : WG1968977-3,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:25 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest11\2024\240910A\11240910a-03.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22) t Endrin Aldeh	4.728	5.292	370.1E6	204.9E6	33.851M4	31.095M4
23) t Methoxychlor	4.979	5.776	300.2E6	153.5E6	41.128M4	31.021M4
25) t Endosulfan S	5.129	5.525	501.4E6	270.3E6	40.262M4	32.083M4
26) t Endrin Keton	5.360	5.940	591.4E6	318.5E6	40.527M4	35.965M4
Sum chlordane-1			0	0	N.D.	N.D.
Average chlordane-1					0.000	0.000
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum toxaphene-2			0	0	N.D.	N.D.
Average toxaphene-2					0.000	0.000

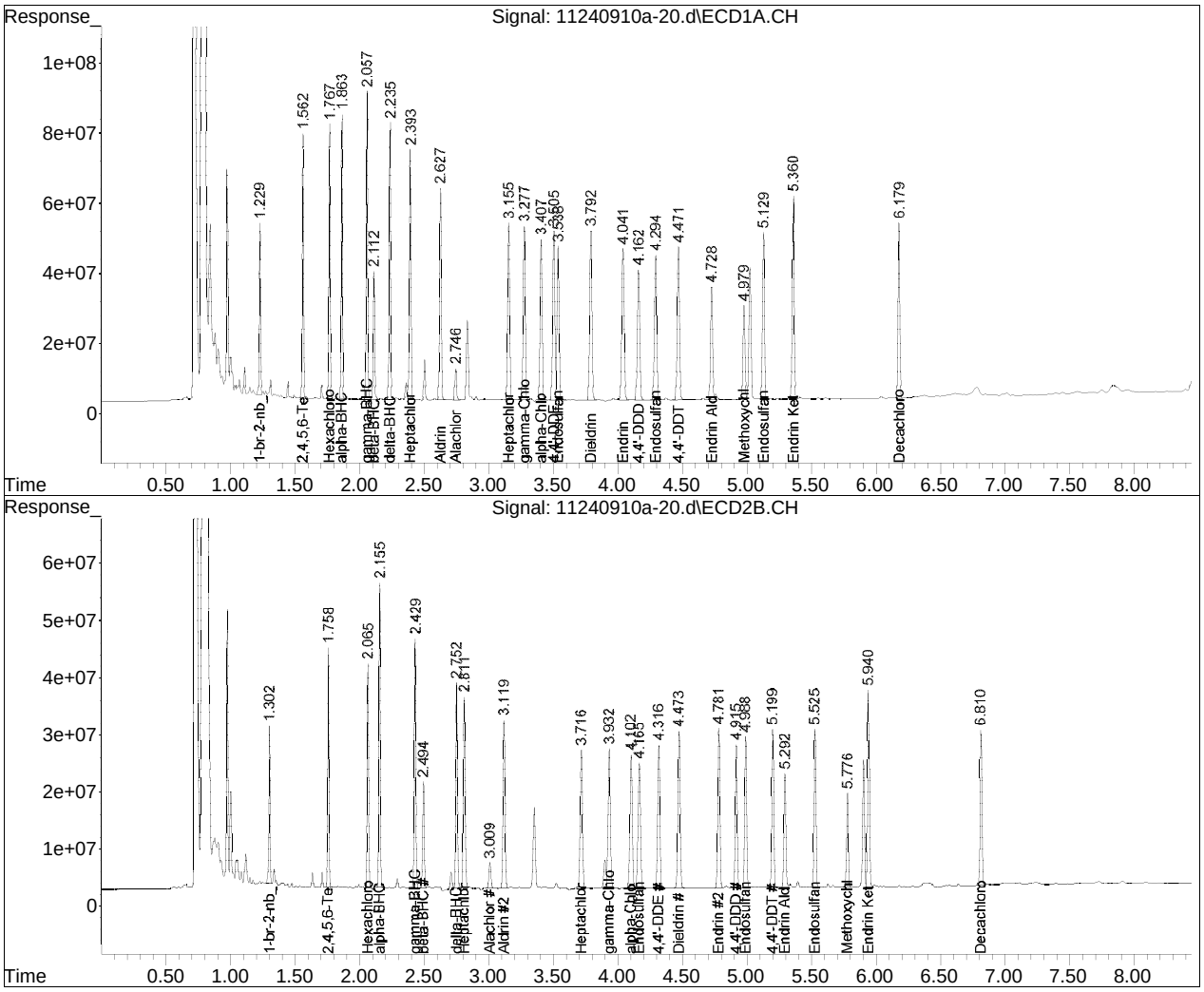
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only1\2024\240910A\11240910a-03.d•

Data Path : I:\PEST\Pest11\2024\240910A\
Data File : 11240910a-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Sep 2024 12:44
Operator : PEST11:jag
Sample : WG1968977-3,42,,
Misc : wg1969659,wg1968977,ical21365
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 13:18:25 2024
Quant Method : I:\PEST\Pest11\2024\240910A\pest11_08_01_24_ugL_ICAL21365.M
Quant Title : pest
QLast Update : Tue Sep 10 09:55:20 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

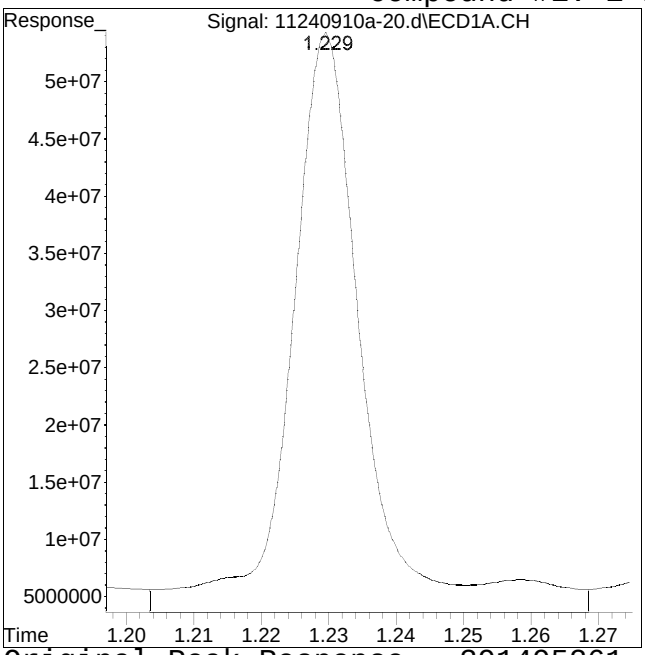
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



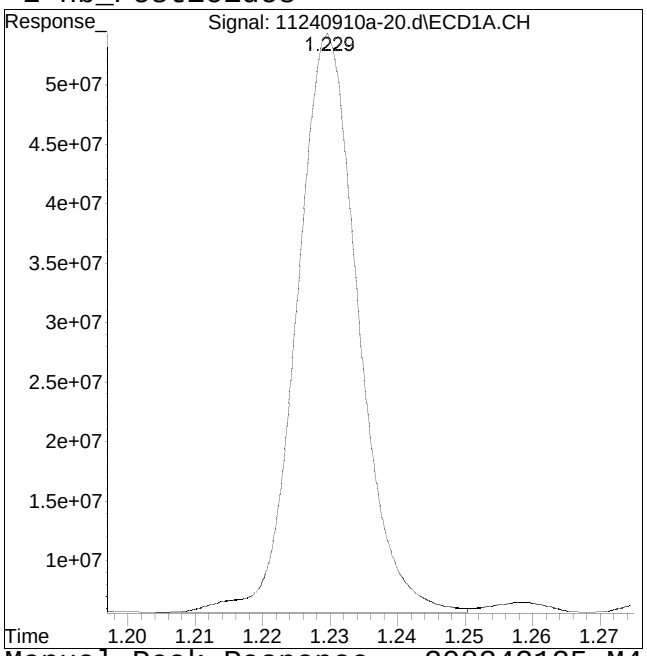
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 391495261



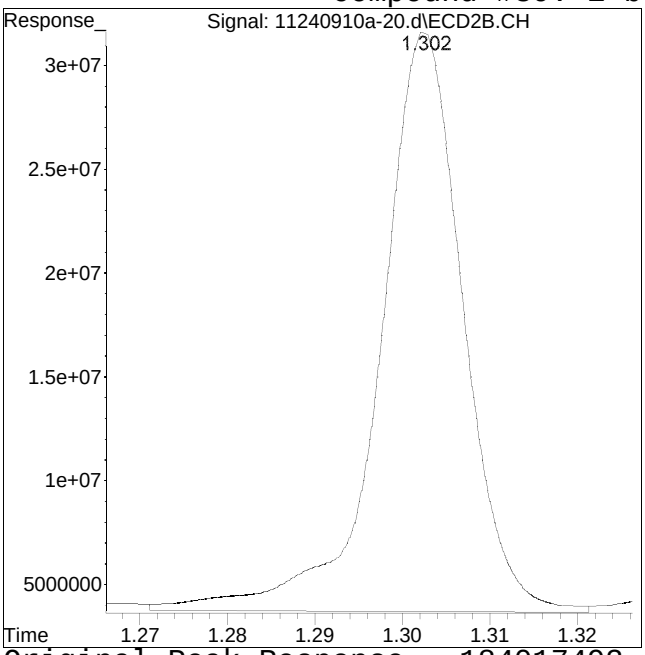
Manual Peak Response = 308343125 M4

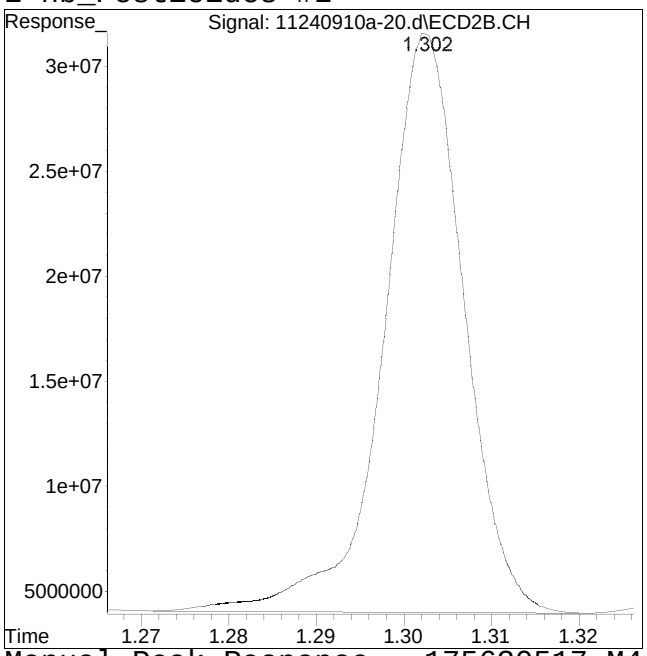
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #39: 1-br-2-nb_Pesticides #2



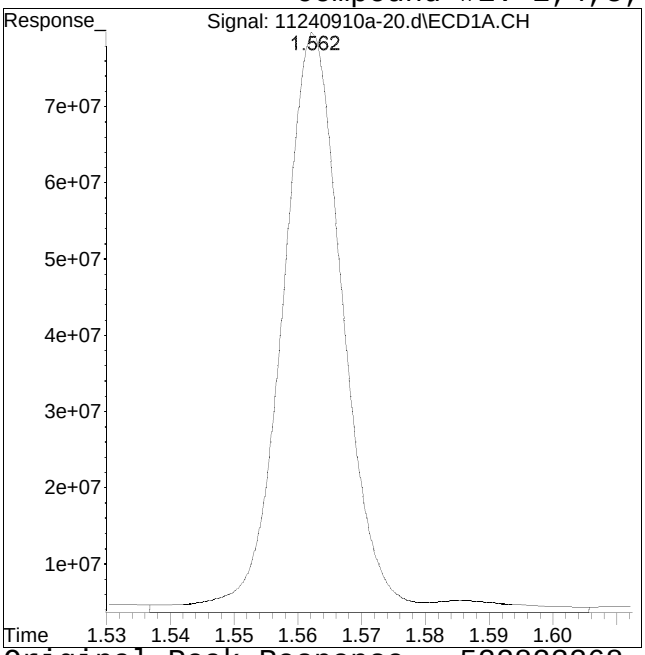


Original Peak Response = 184017493 Manual Peak Response = 175630517 M4
M4 = Poor automated baseline construction.

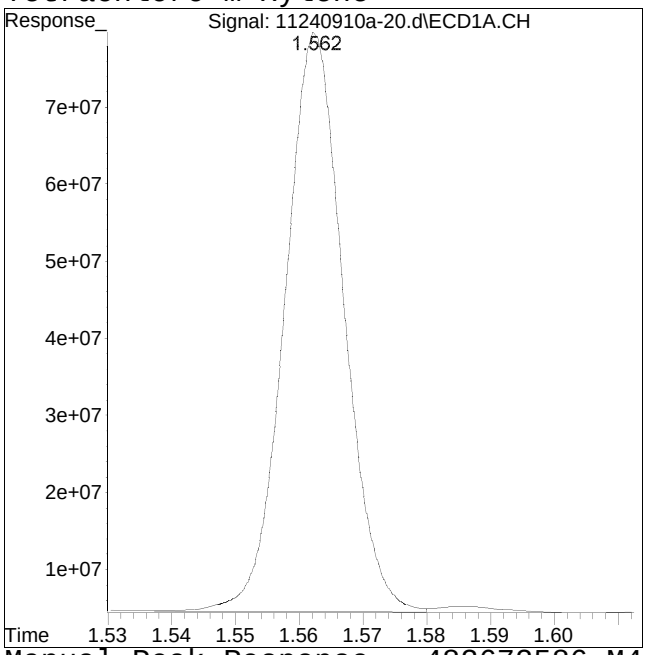
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 522823368



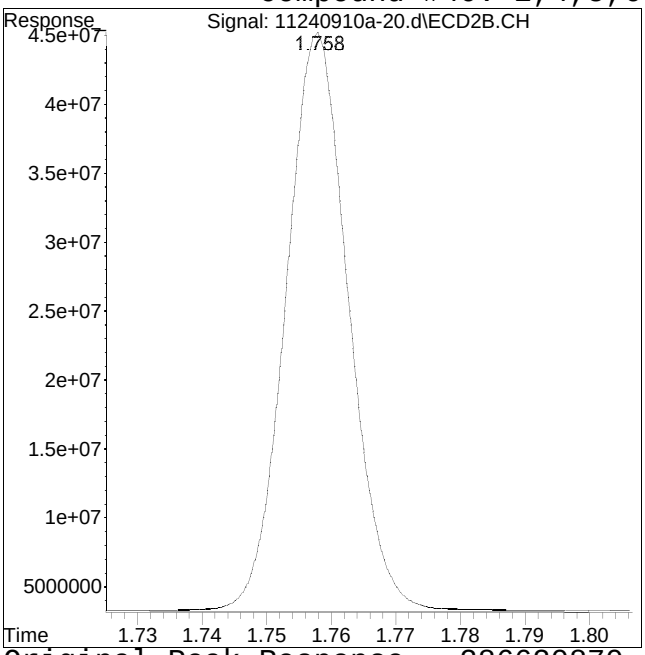
Manual Peak Response = 482672586 M4

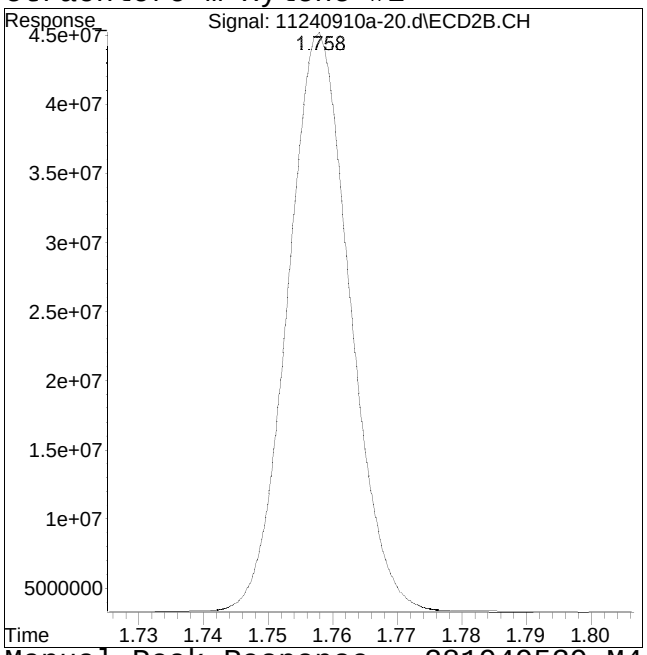
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2



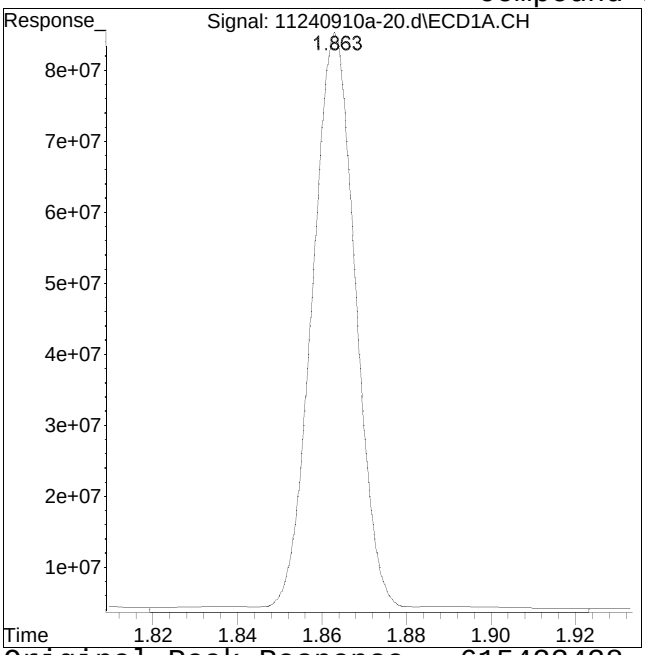


Original Peak Response = 286620870 Manual Peak Response = 281949539 M4
M4 = Poor automated baseline construction.

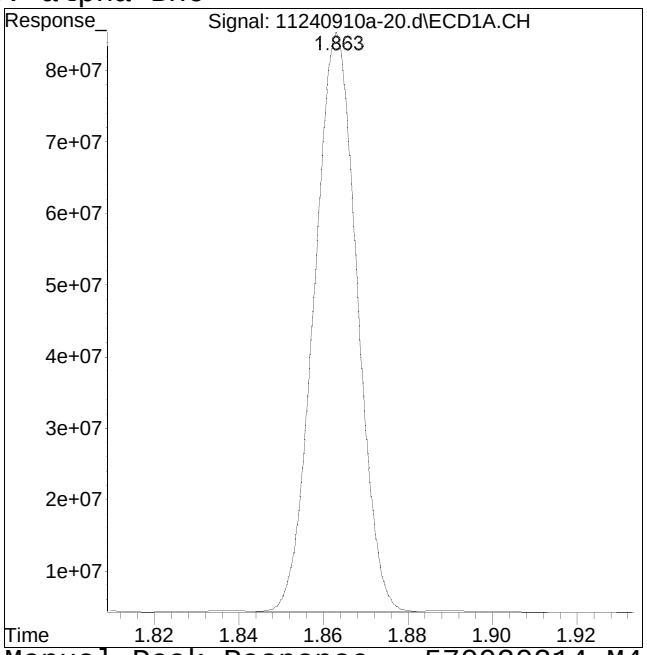
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #4: alpha-BHC



Original Peak Response = 615423438



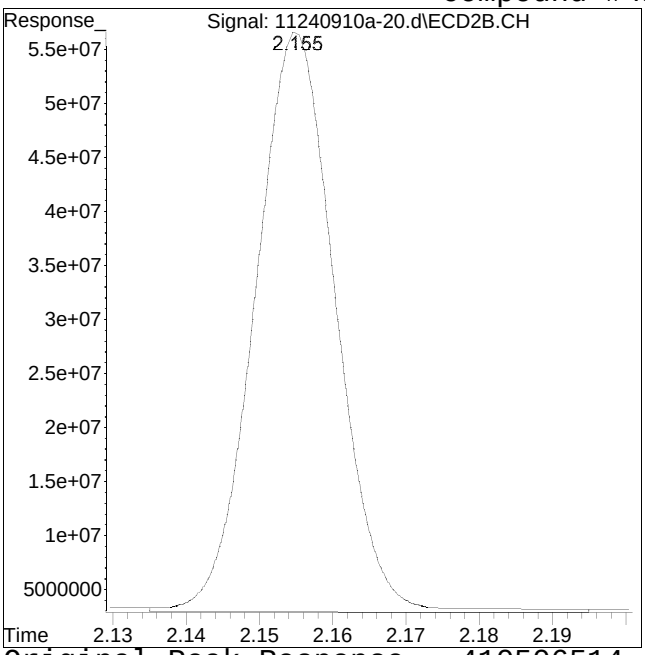
Manual Peak Response = 570920214 M4

M4 = Poor automated baseline construction.

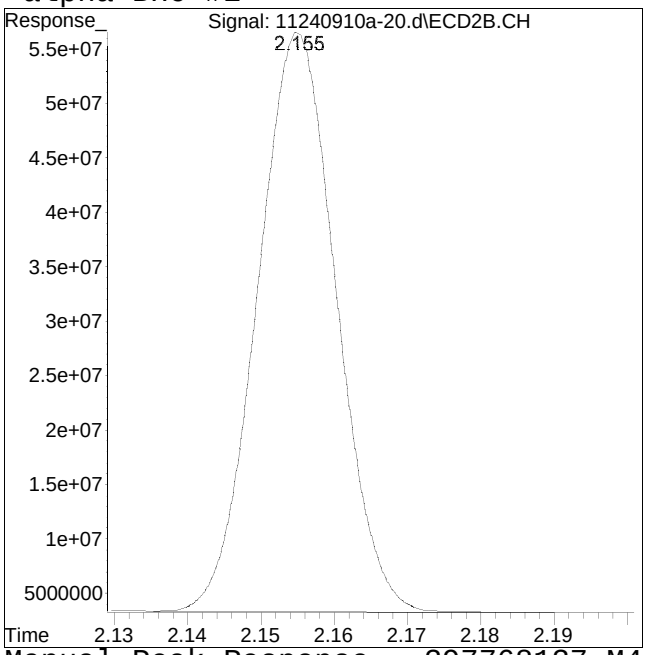
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #42: alpha-BHC #2



Original Peak Response = 410506514



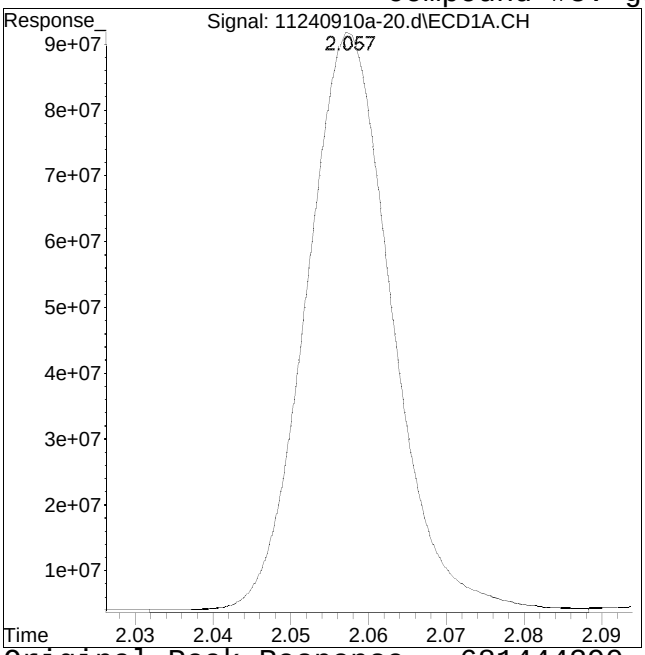
Manual Peak Response = 397768137 M4

M4 = Poor automated baseline construction.

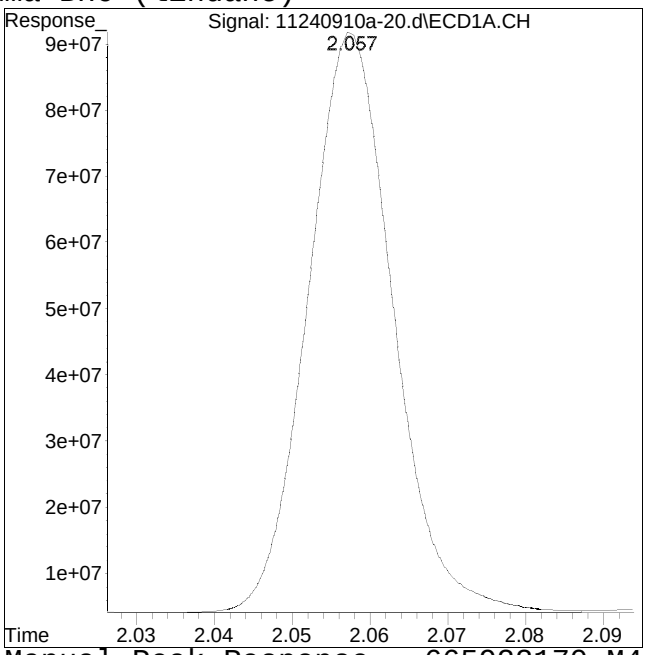
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #5: gamma-BHC (lindane)



Original Peak Response = 681444390

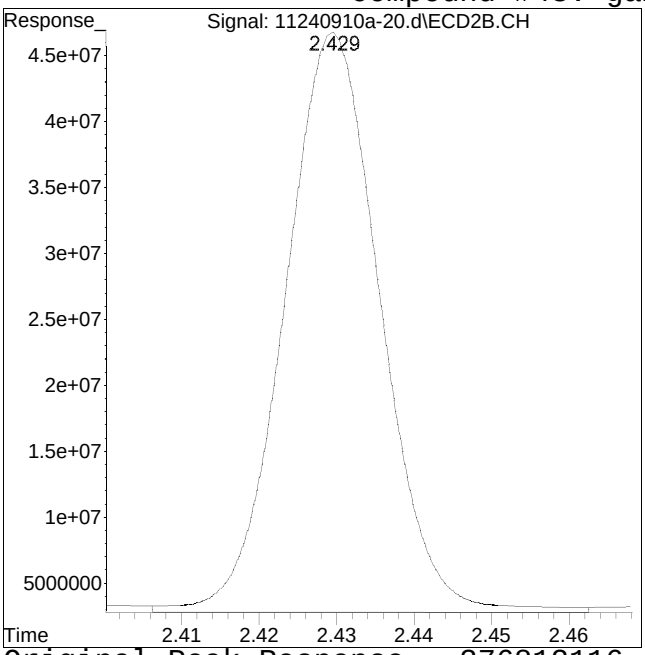


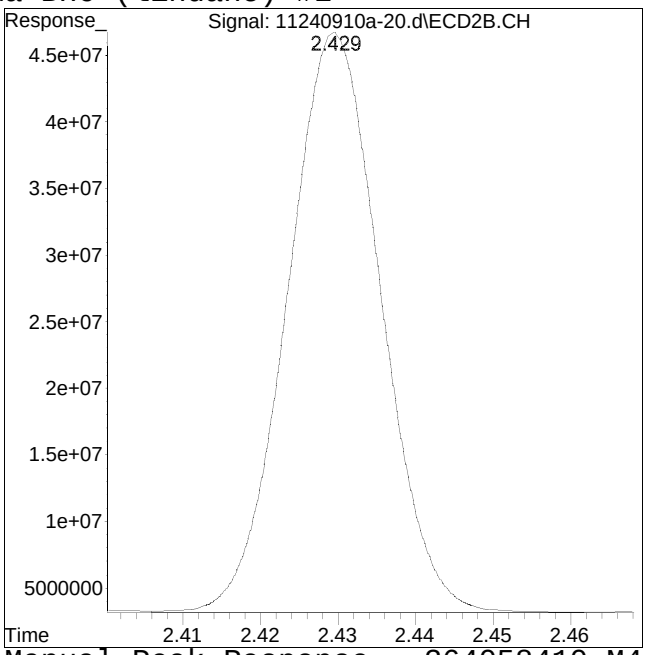
Manual Peak Response = 665922170 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #43: gamma-BHC (lindane) #2



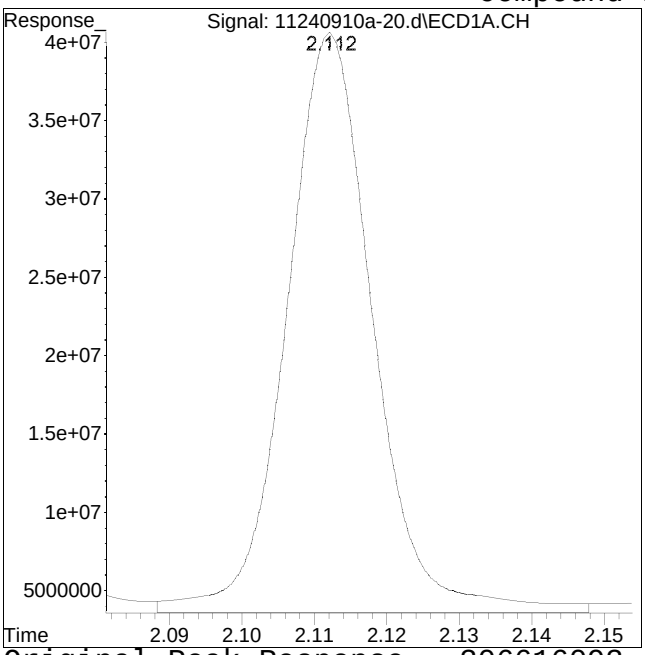


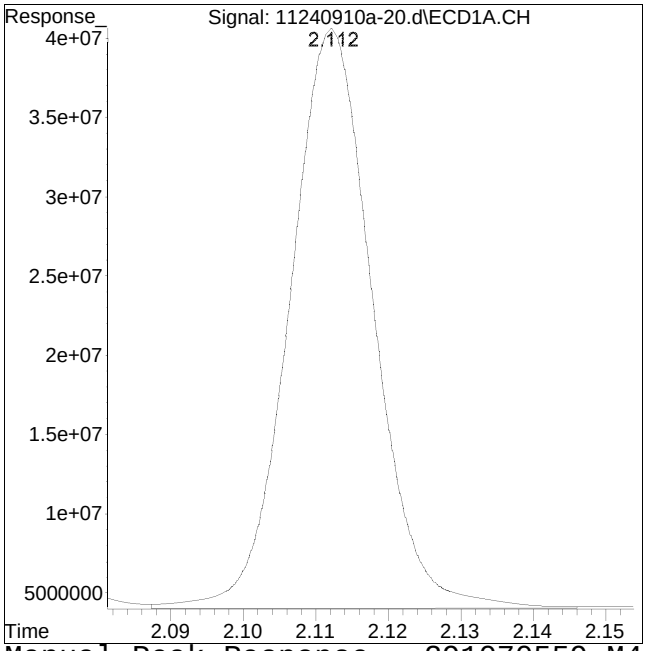
Original Peak Response = 376812116 Manual Peak Response = 364058410 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #6: beta-BHC



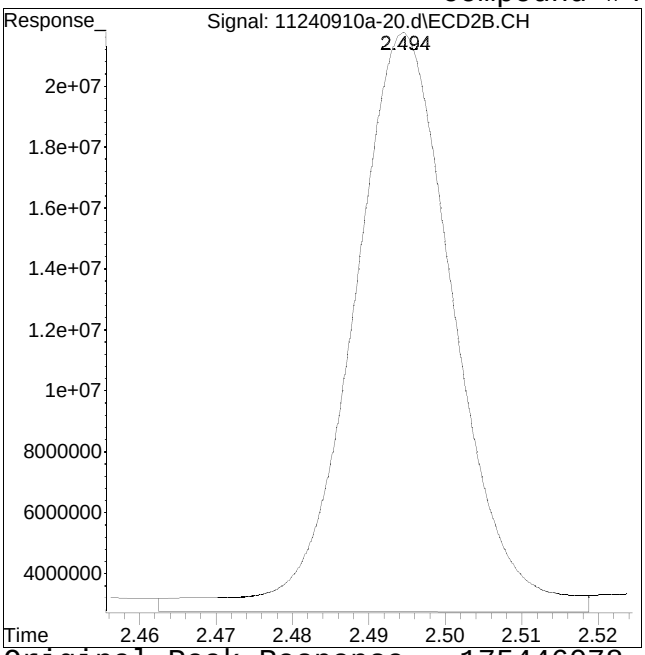


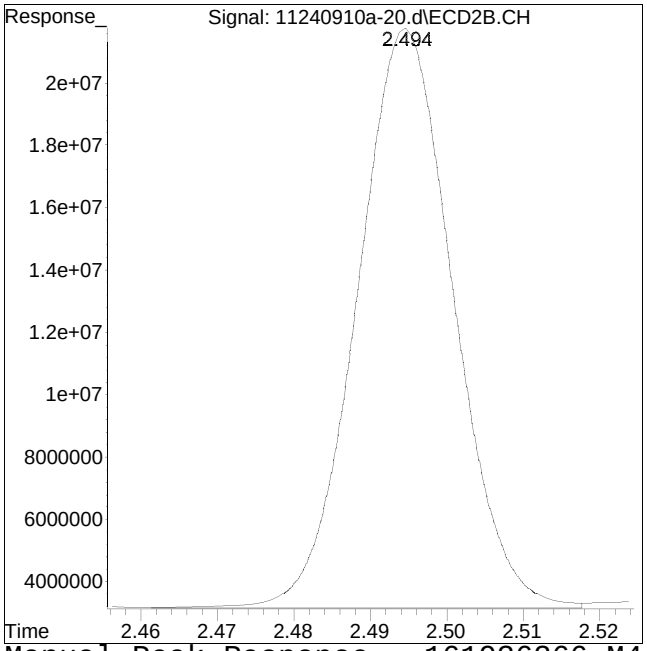
Original Peak Response = 306616093 Manual Peak Response = 291070559 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #44: beta-BHC #2



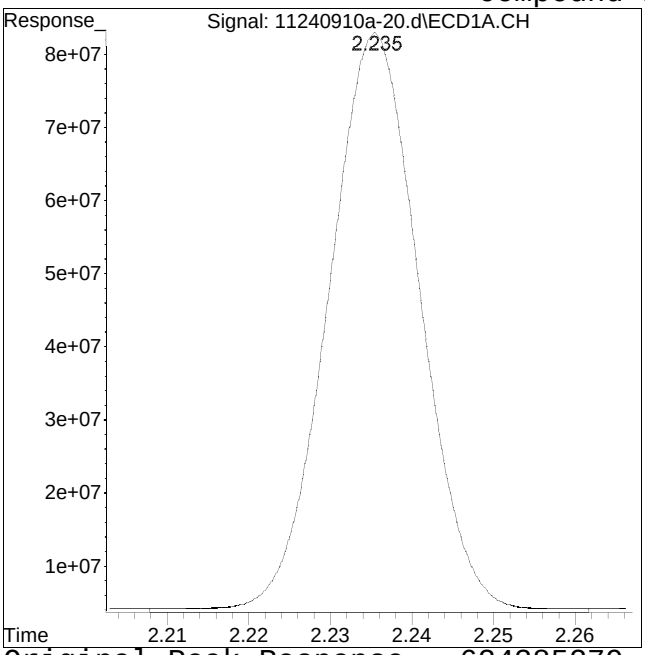


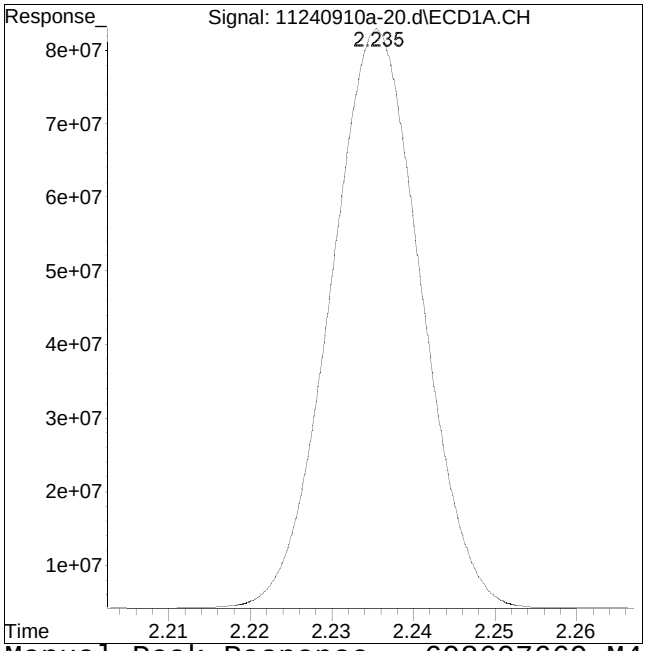
Original Peak Response = 175446078 Manual Peak Response = 161936266 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #7: delta-BHC



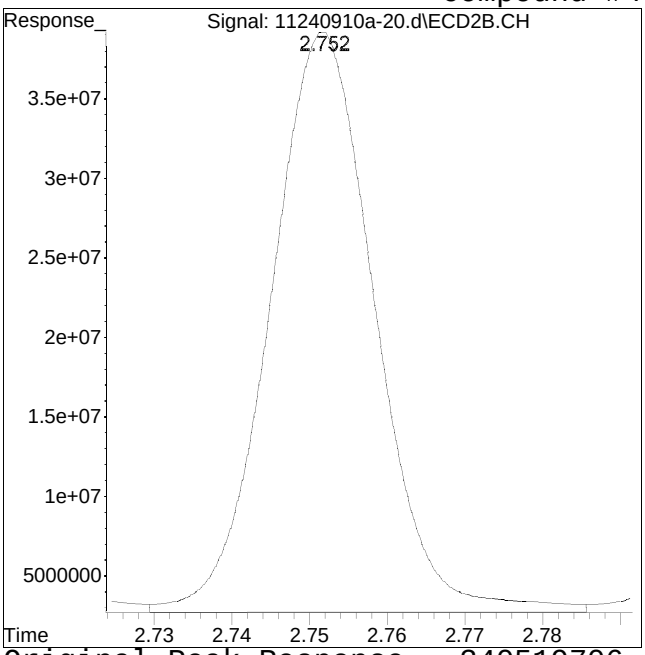


Original Peak Response = 624385279 Manual Peak Response = 608607669 M4
M4 = Poor automated baseline construction.

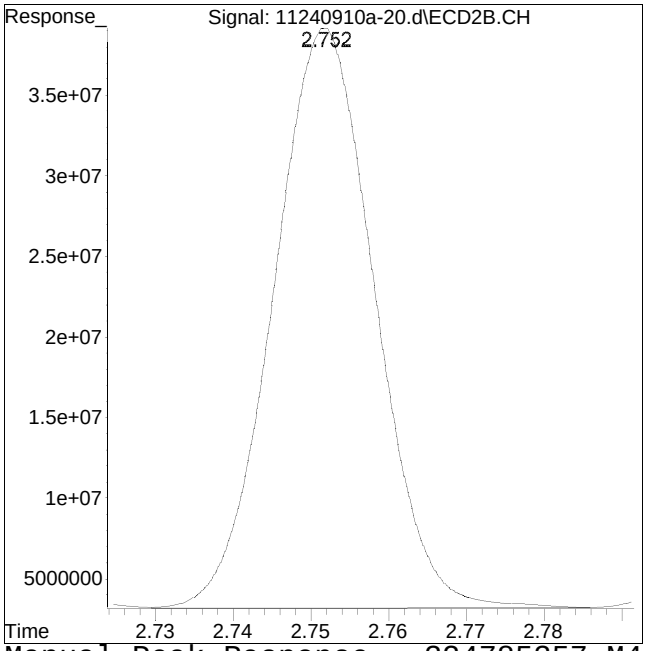
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #45: delta-BHC #2



Original Peak Response = 340519706



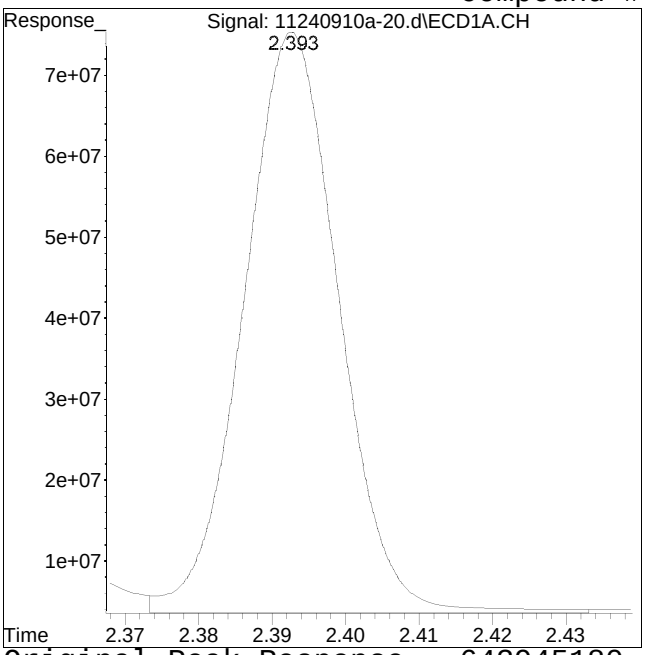
Manual Peak Response = 324785357 M4

M4 = Poor automated baseline construction.

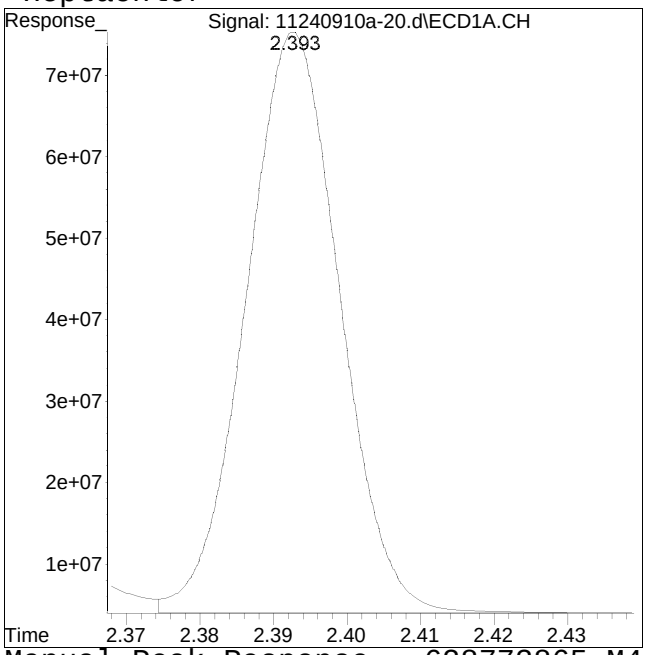
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #8: Heptachlor



Original Peak Response = 643945180



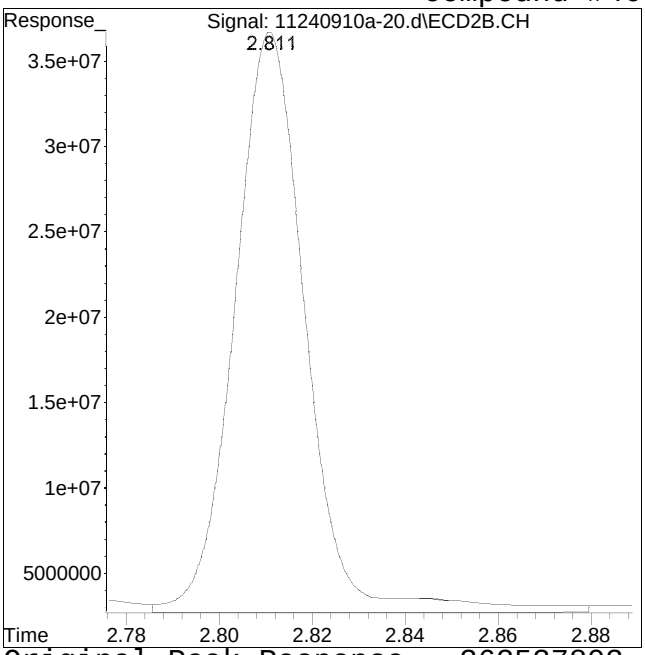
Manual Peak Response = 628773865 M4

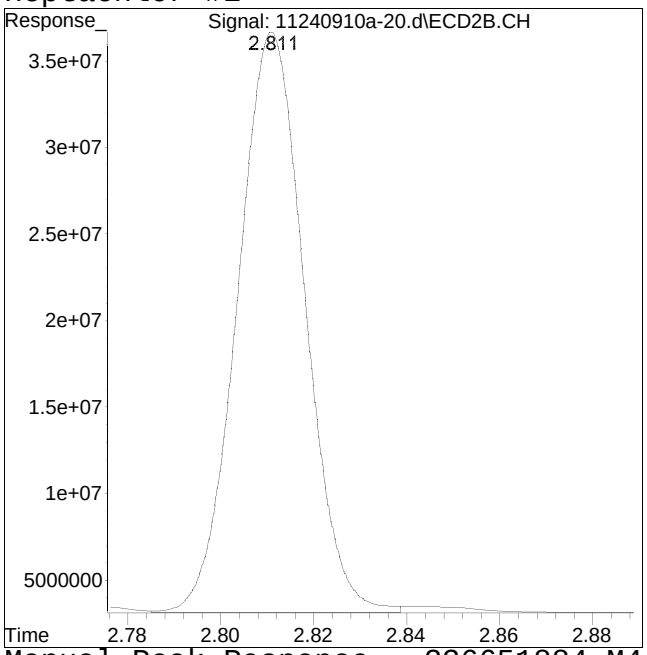
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #46: Heptachlor #2



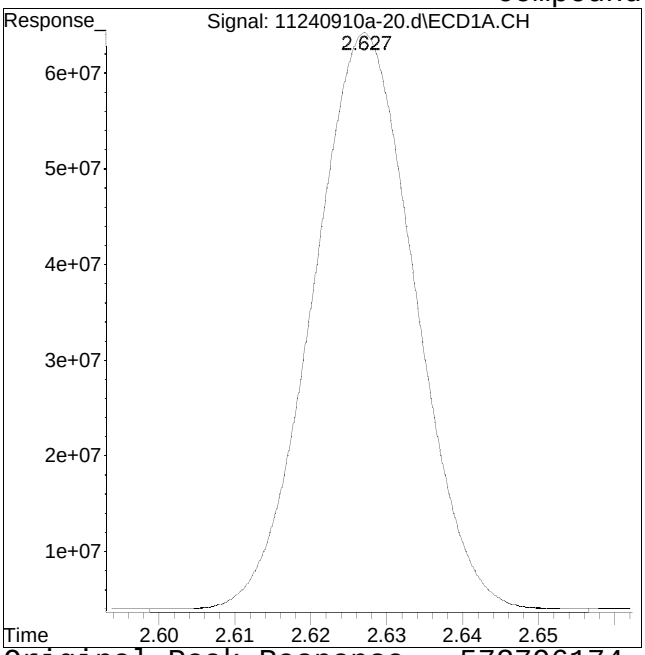


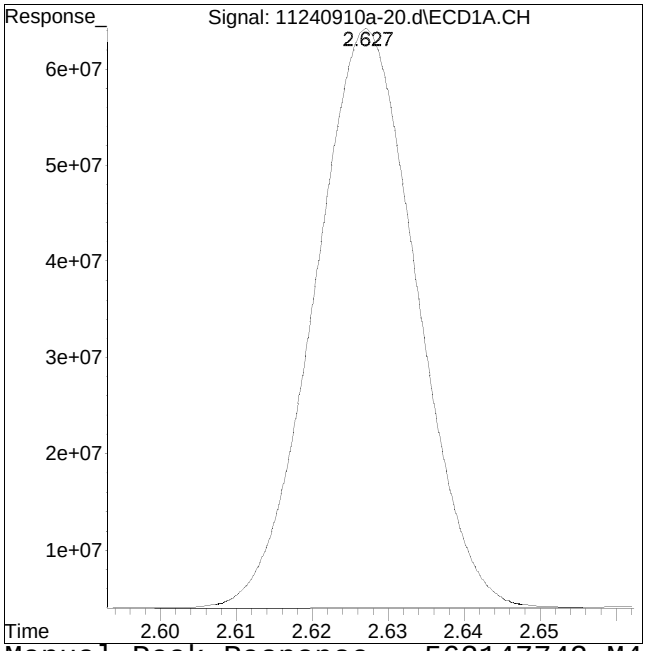
Original Peak Response = 363537803 Manual Peak Response = 336651884 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #9: Aldrin



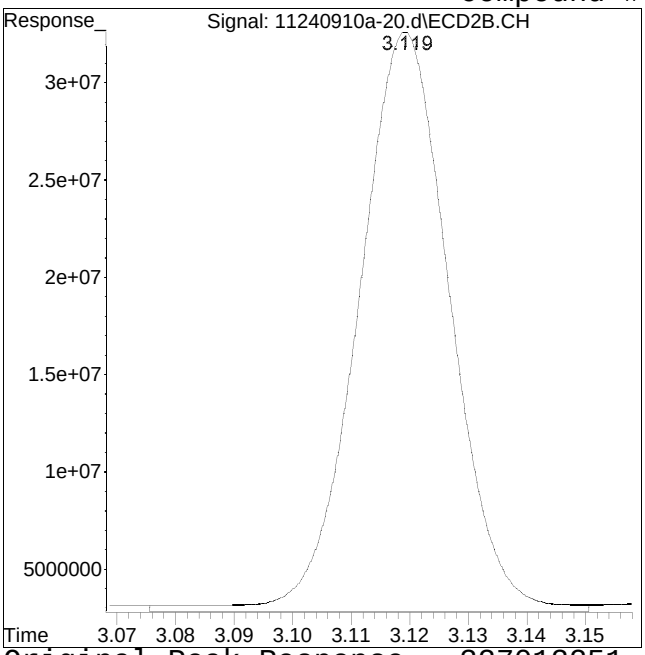


Original Peak Response = 572796174 Manual Peak Response = 562147742 M4
M4 = Poor automated baseline construction.

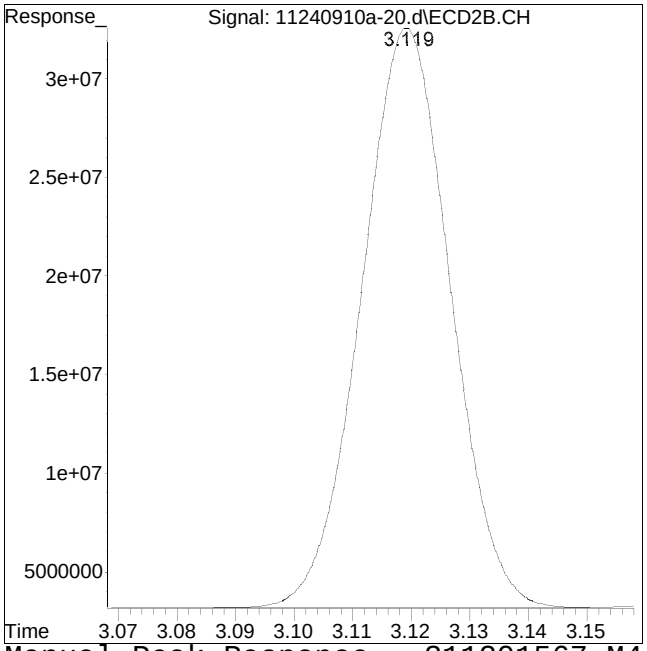
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #47: Aldrin #2



Original Peak Response = 327012251



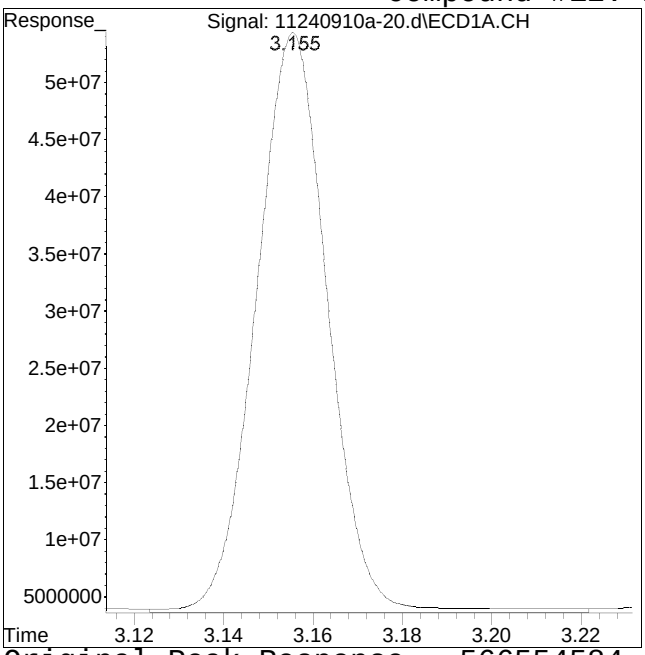
Manual Peak Response = 311201567 M4

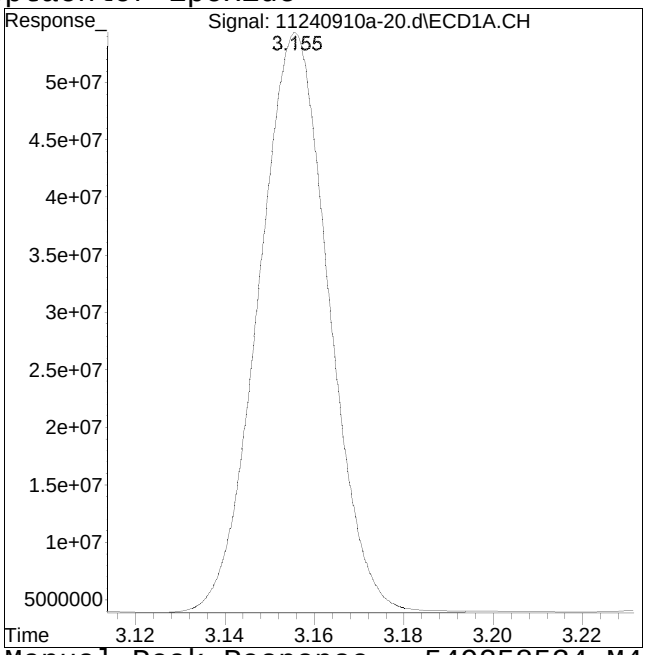
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #12: Heptachlor Epoxide



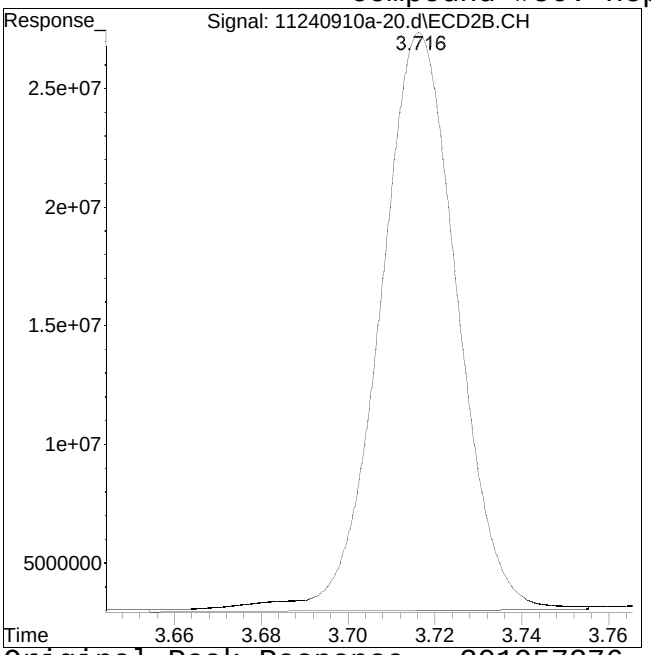


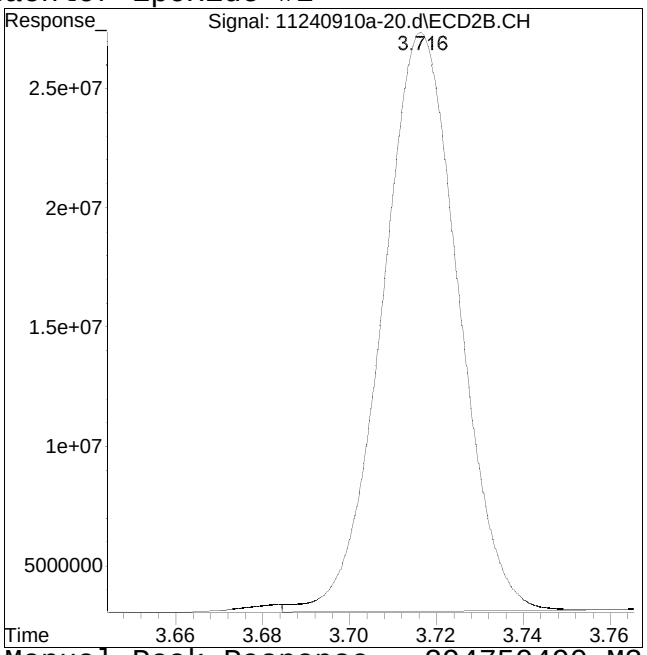
Original Peak Response = 566554584 Manual Peak Response = 549258534 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #50: Heptachlor Epoxide #2



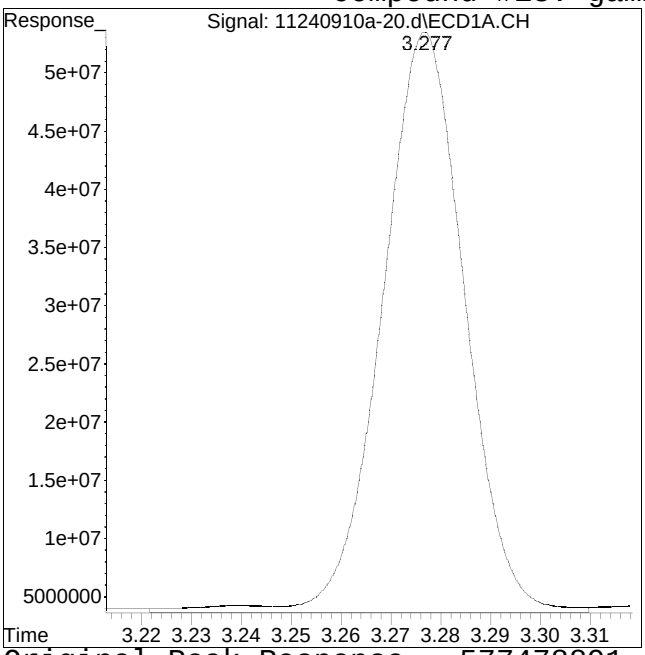


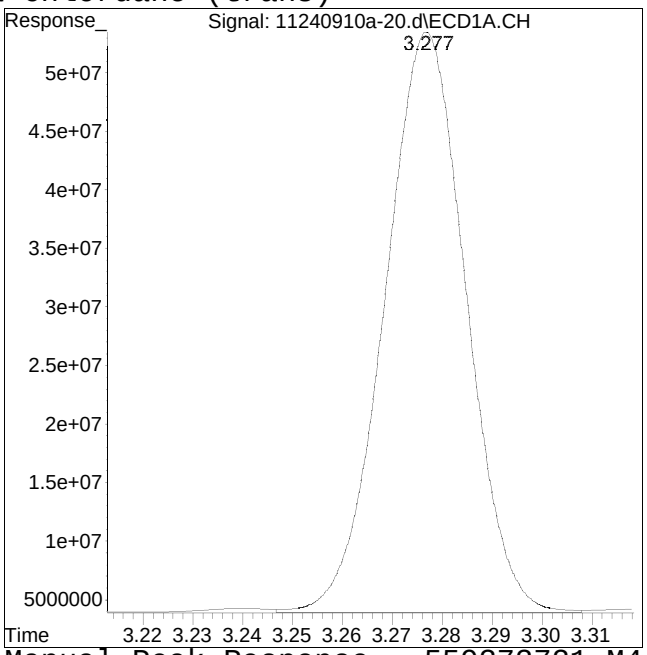
Original Peak Response = 301957376 Manual Peak Response = 294750490 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #13: gamma-Chlordane (trans)



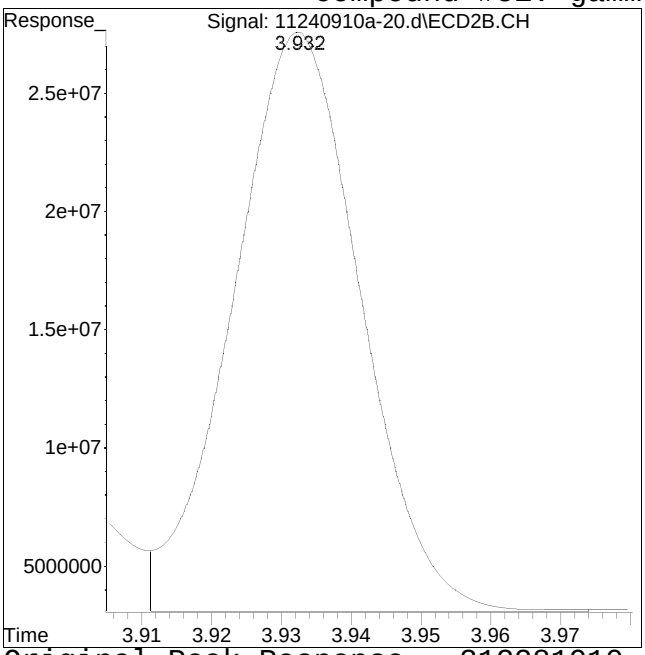


Original Peak Response = 577478891 Manual Peak Response = 559373721 M4
M4 = Poor automated baseline construction.

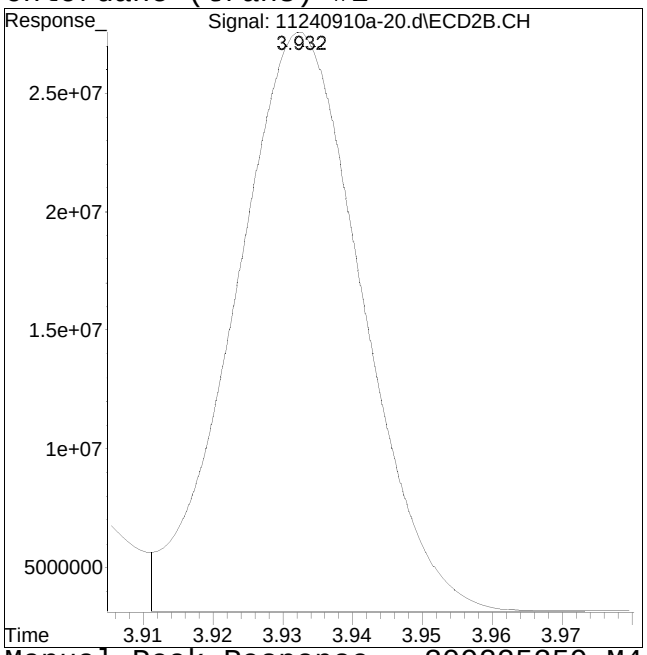
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 312281910



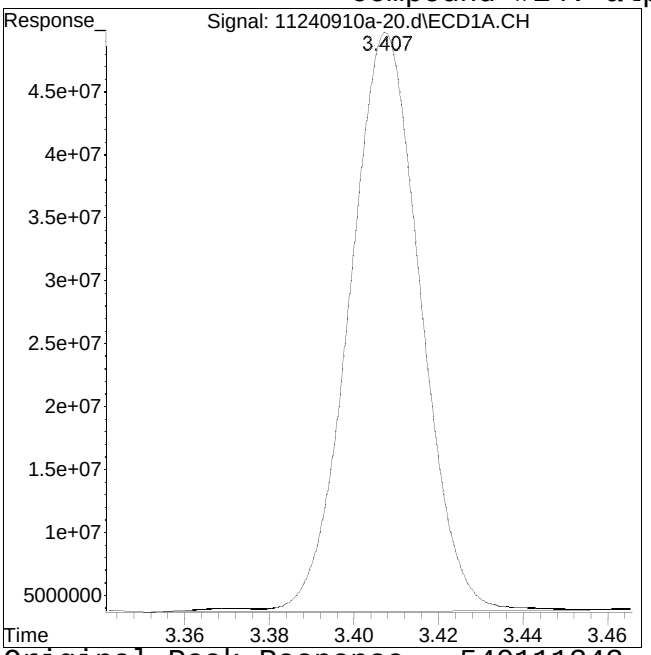
Manual Peak Response = 309225359 M4

M4 = Poor automated baseline construction.

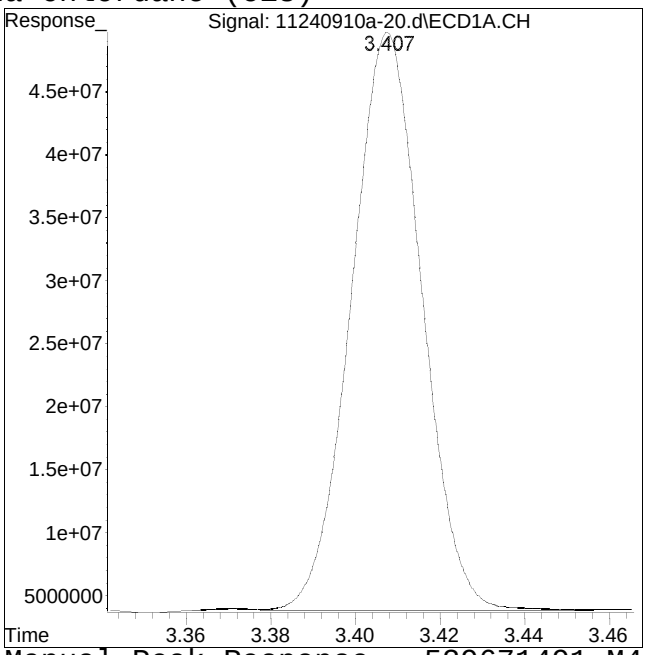
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #14: alpha-Chlordane (cis)



Original Peak Response = 540111343



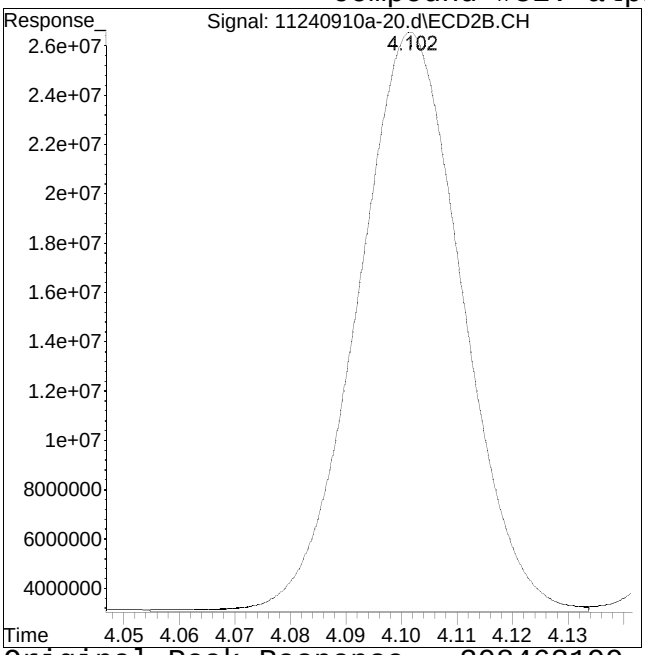
Manual Peak Response = 529671491 M4

M4 = Poor automated baseline construction.

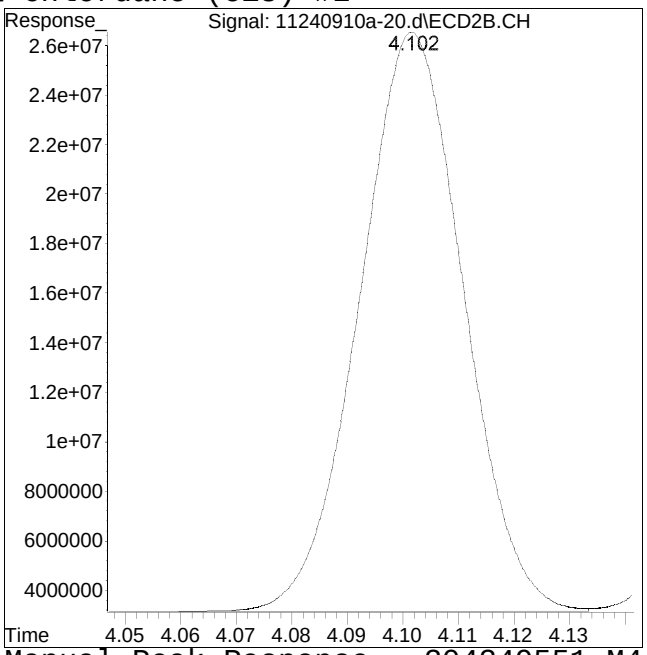
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #52: alpha-Chlordane (cis) #2



Original Peak Response = 308463199



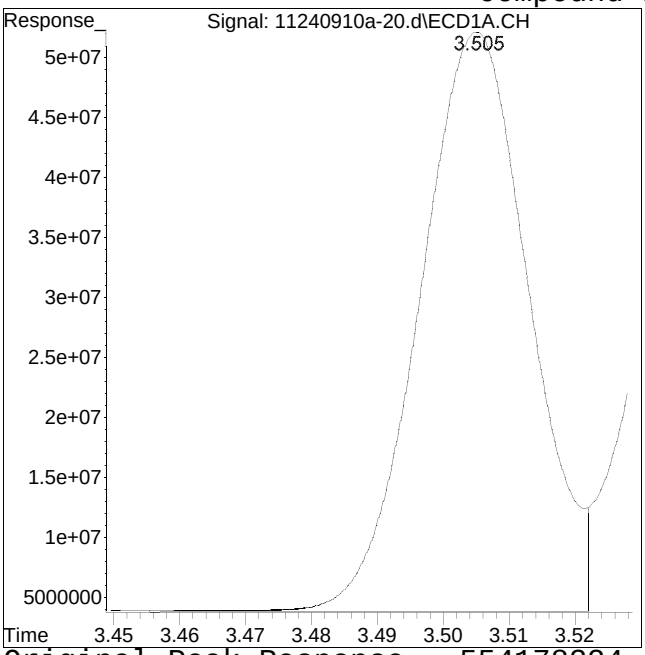
Manual Peak Response = 304349551 M4

M4 = Poor automated baseline construction.

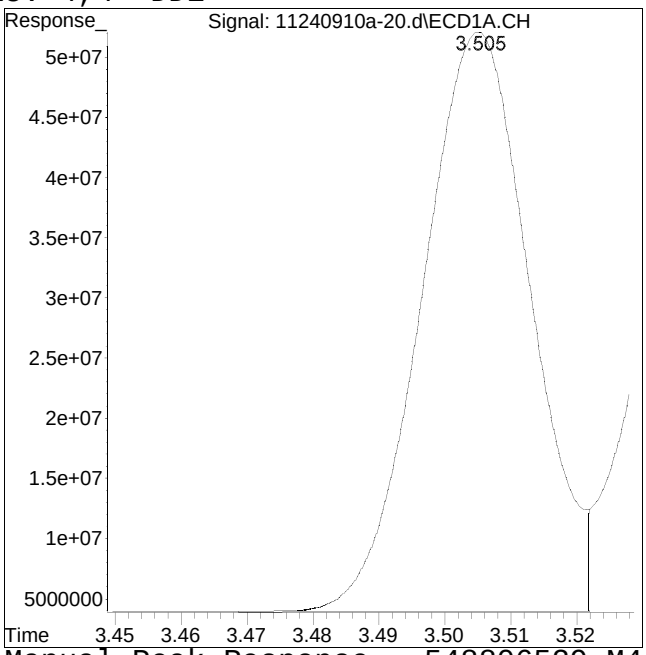
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #15: 4,4'-DDE



Original Peak Response = 554178324



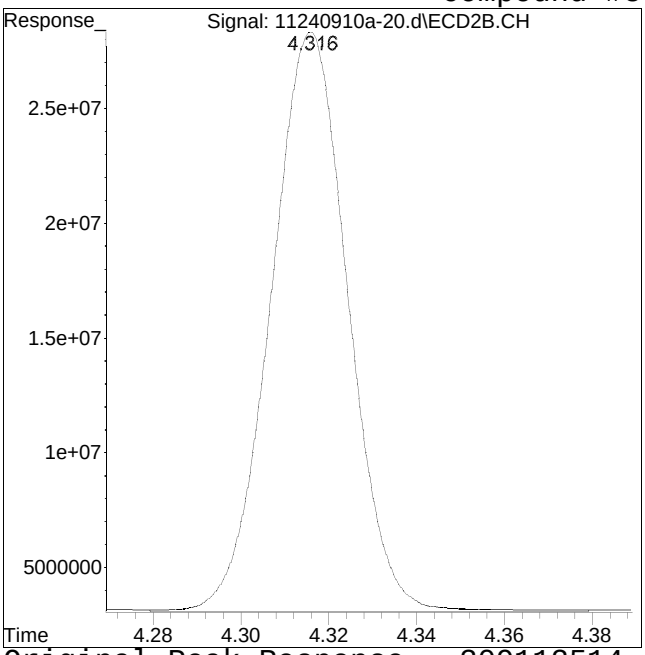
Manual Peak Response = 548806529 M4

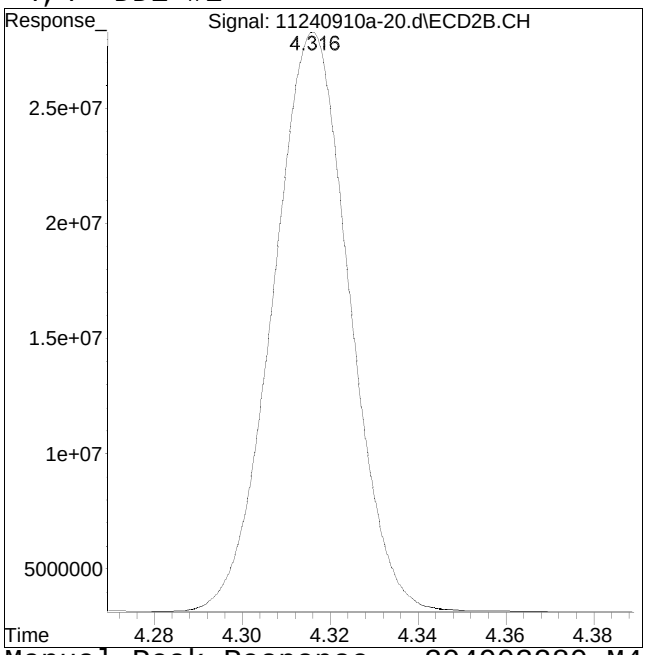
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #53: 4,4'-DDE #2



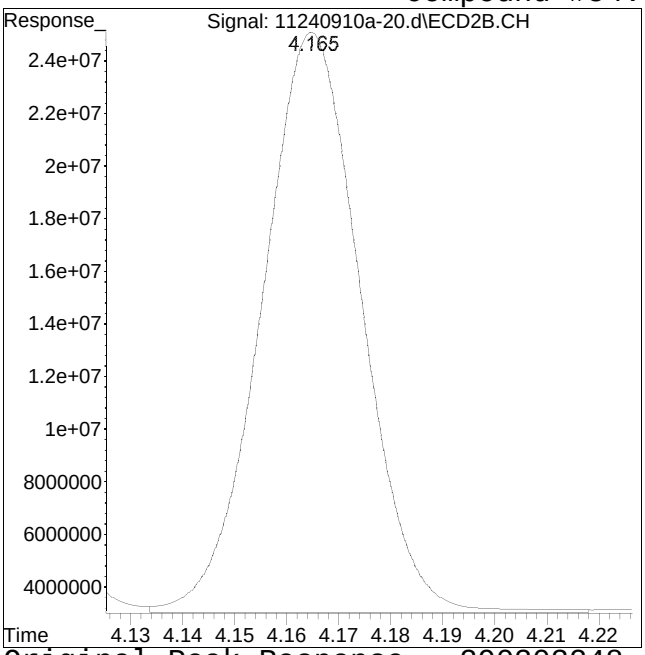


Original Peak Response = 309112514 Manual Peak Response = 304903280 M4
M4 = Poor automated baseline construction.

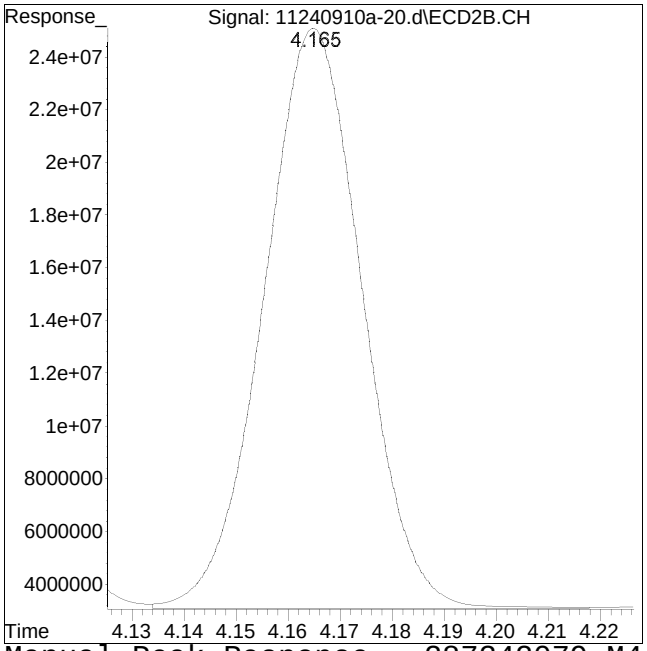
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #54: Endosulfan I #2



Original Peak Response = 290303248



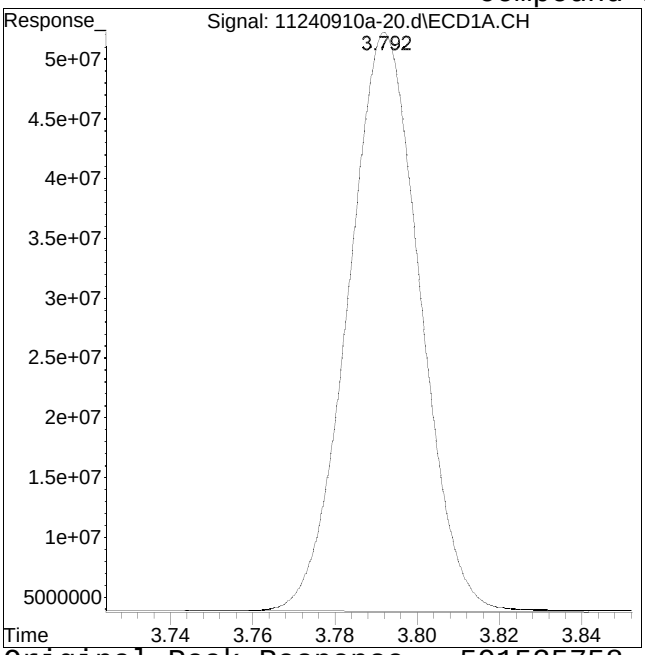
Manual Peak Response = 287342079 M4

M4 = Poor automated baseline construction.

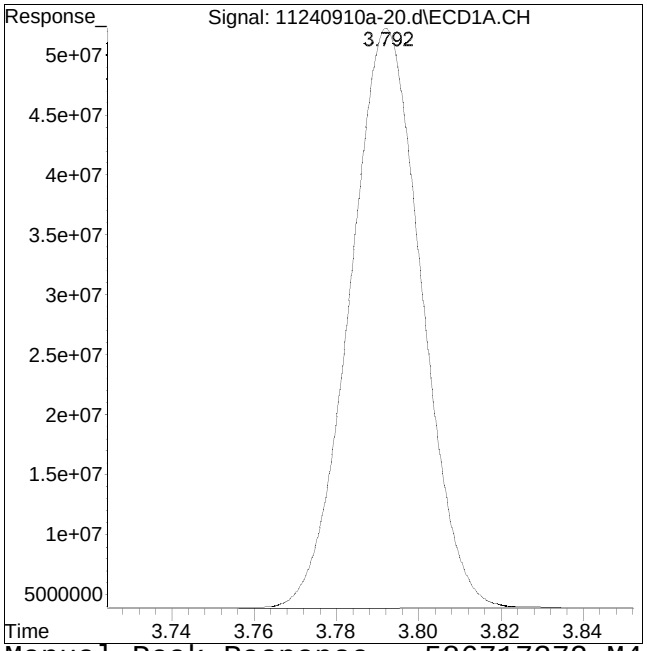
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #17: Dieldrin



Original Peak Response = 591535758



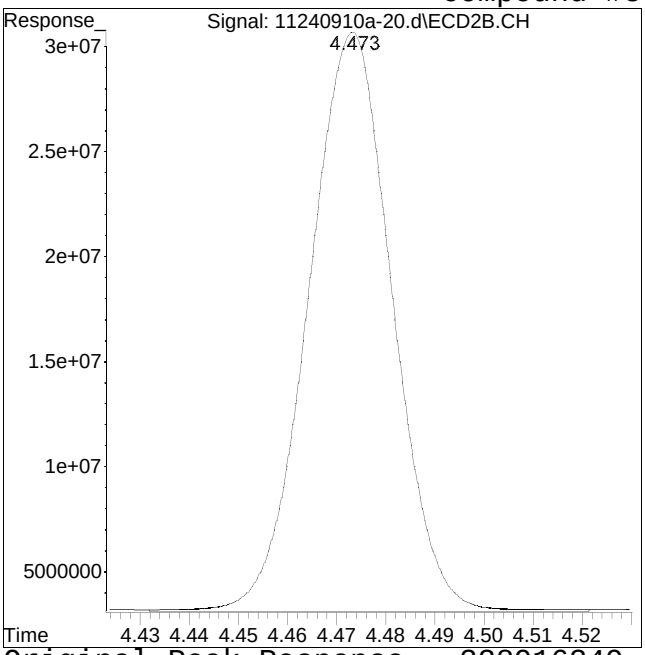
Manual Peak Response = 586717372 M4

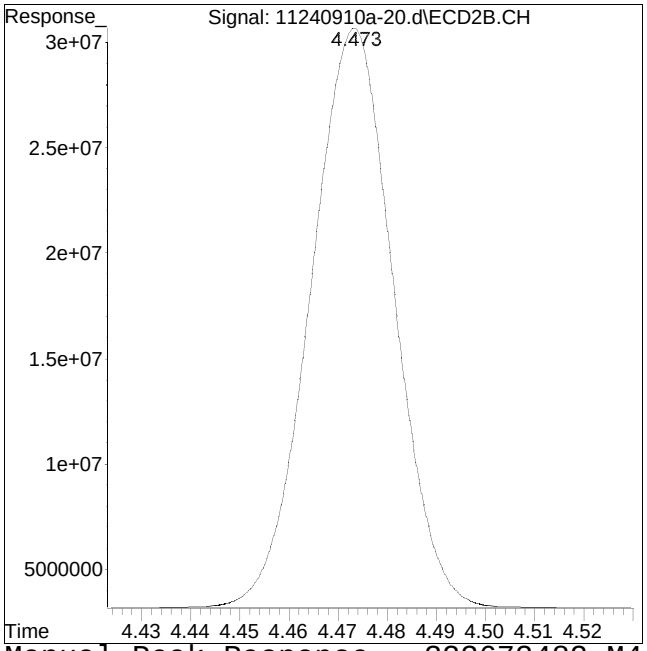
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #55: Dieldrin #2



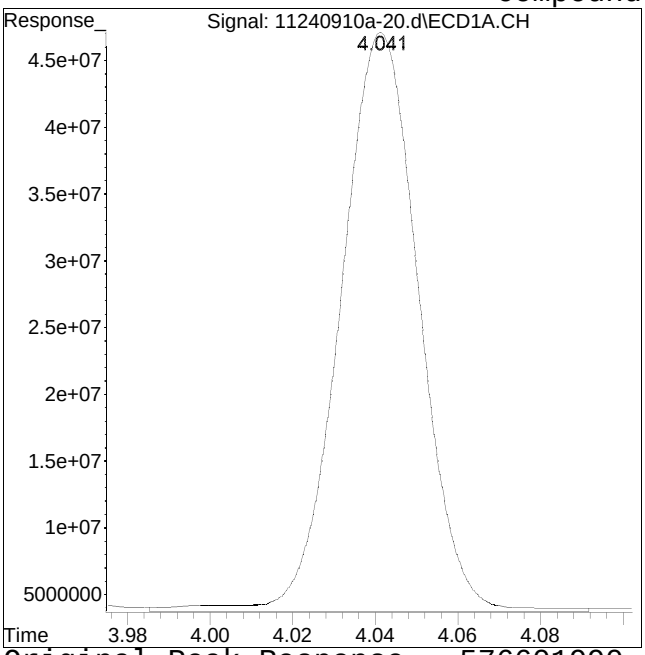


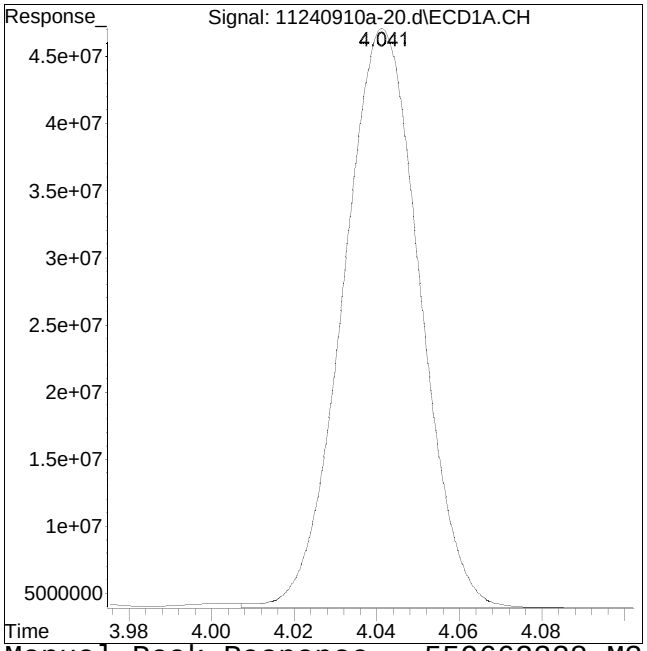
Original Peak Response = 328916349 Manual Peak Response = 323673482 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #18: Endrin



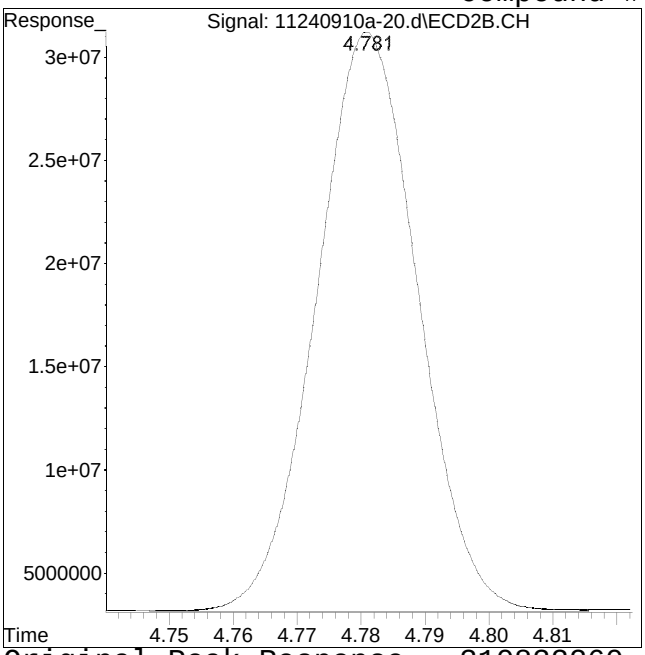


Original Peak Response = 576601990 Manual Peak Response = 559662328 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

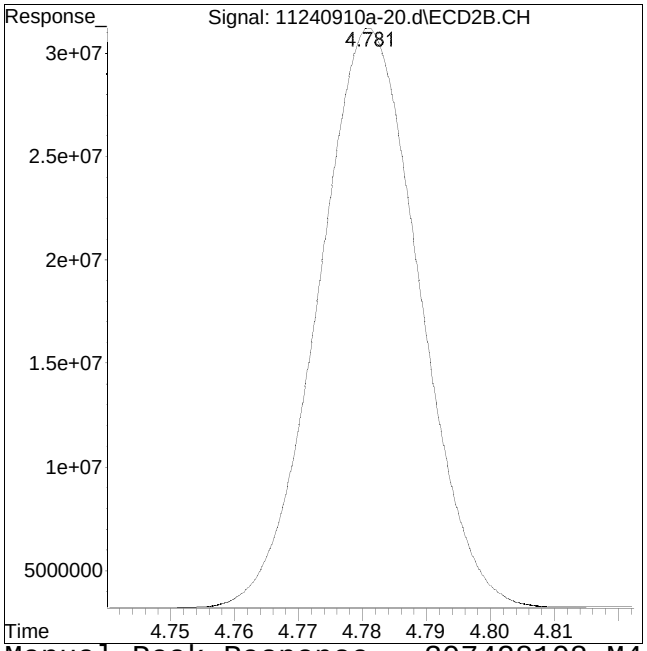
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #56: Endrin #2



Original Peak Response = 310832260



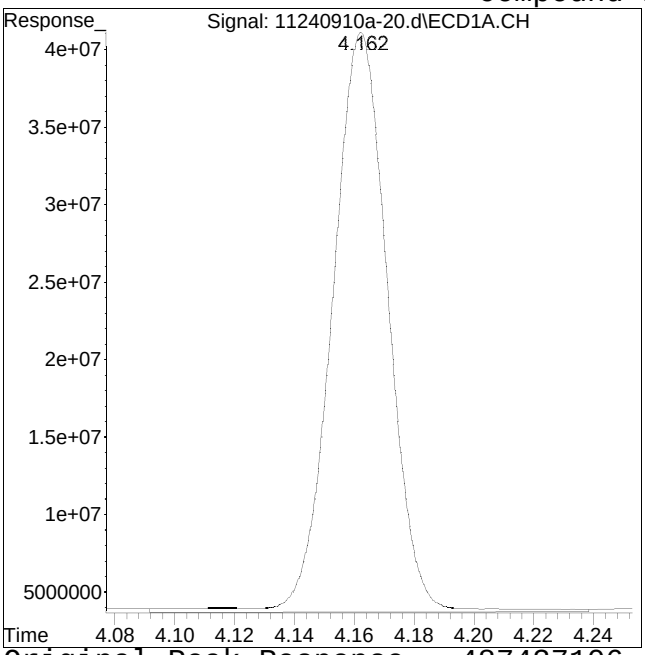
Manual Peak Response = 307428108 M4

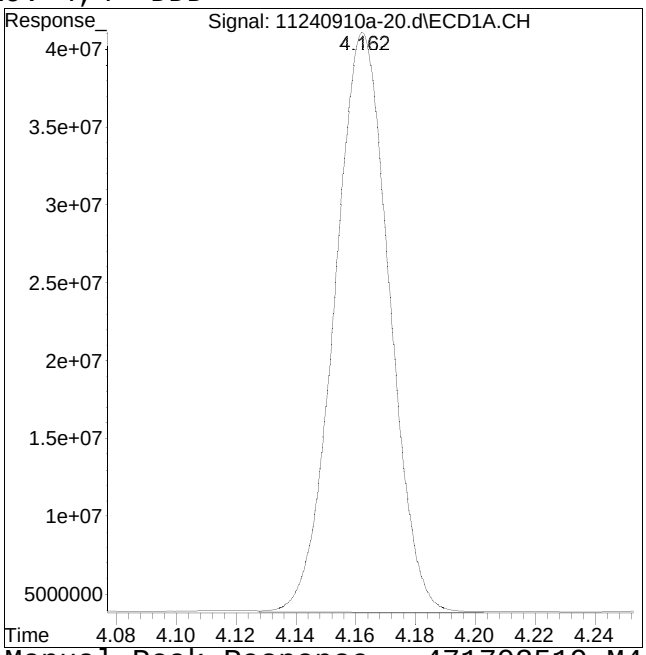
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #19: 4,4'-DDD



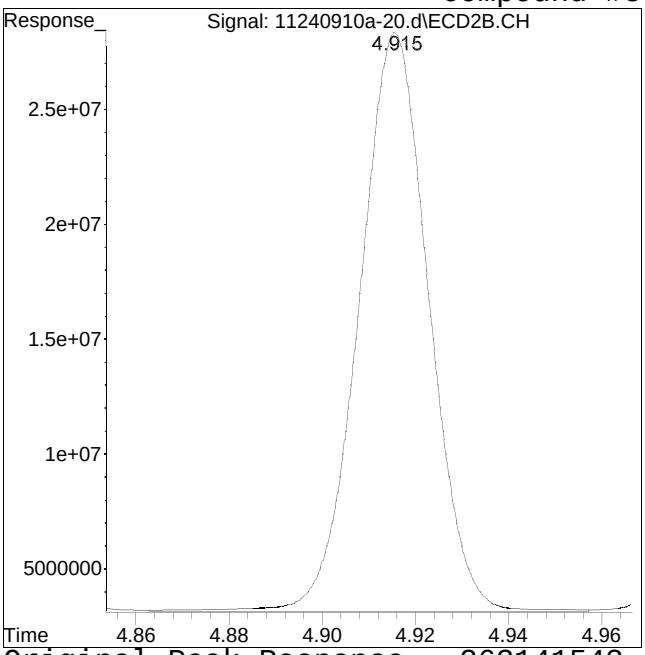


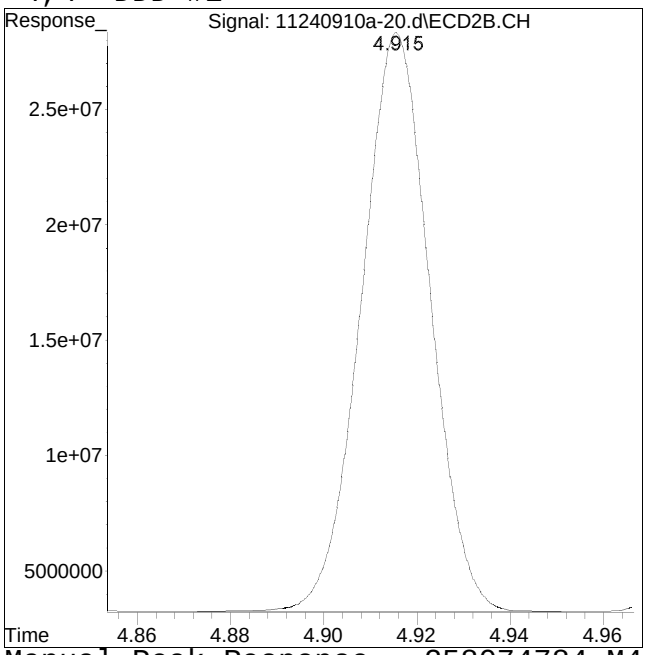
Original Peak Response = 487437106 Manual Peak Response = 471703519 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #57: 4,4'-DDD #2



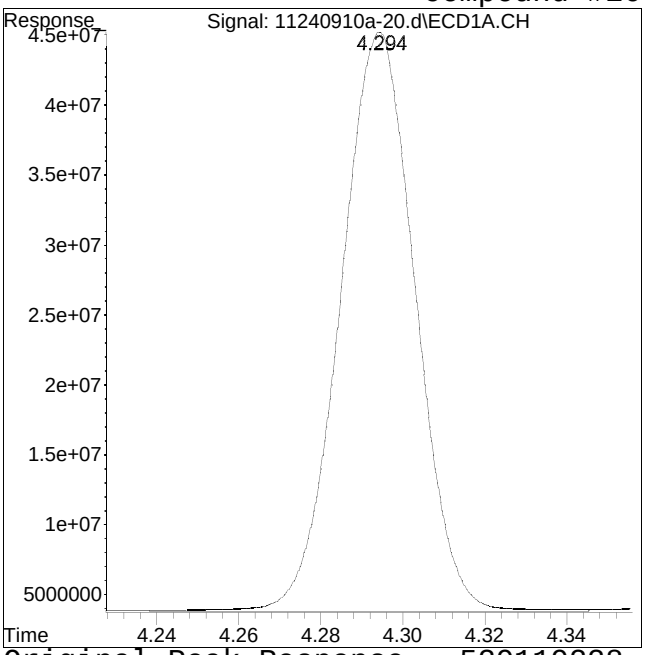


Original Peak Response = 263141543 Manual Peak Response = 258074784 M4
M4 = Poor automated baseline construction.

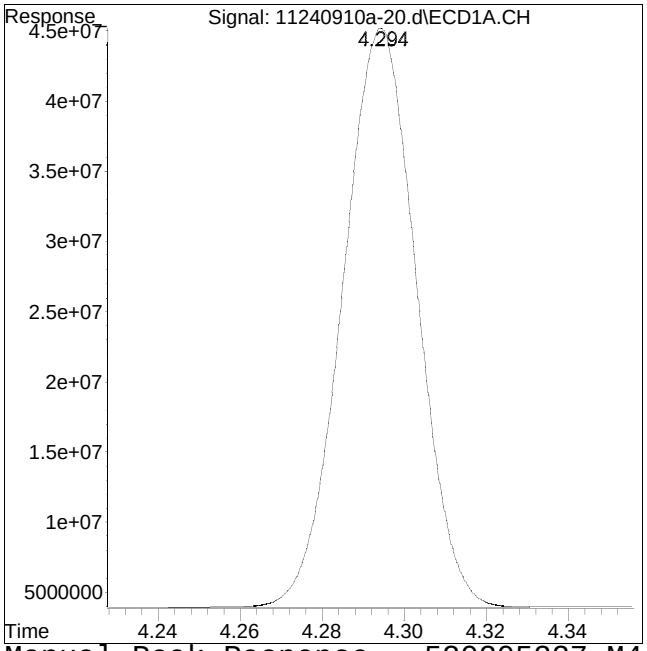
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #20: Endosulfan II



Original Peak Response = 529119228



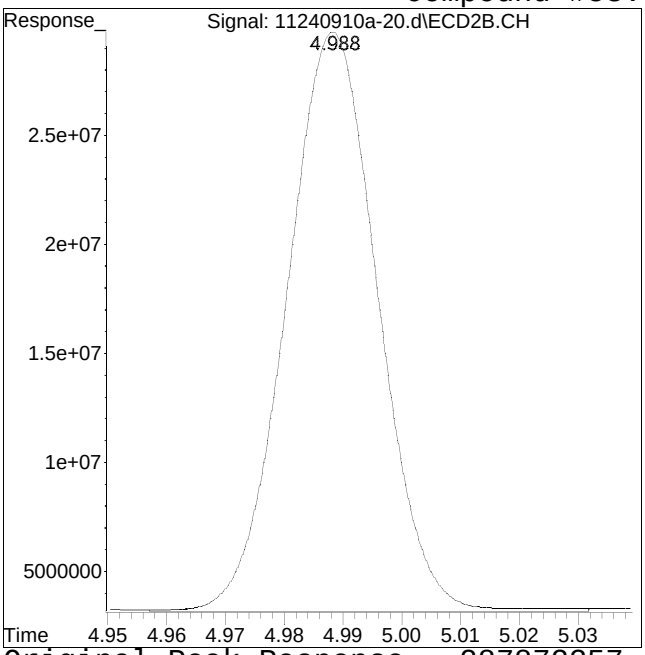
Manual Peak Response = 520205227 M4

M4 = Poor automated baseline construction.

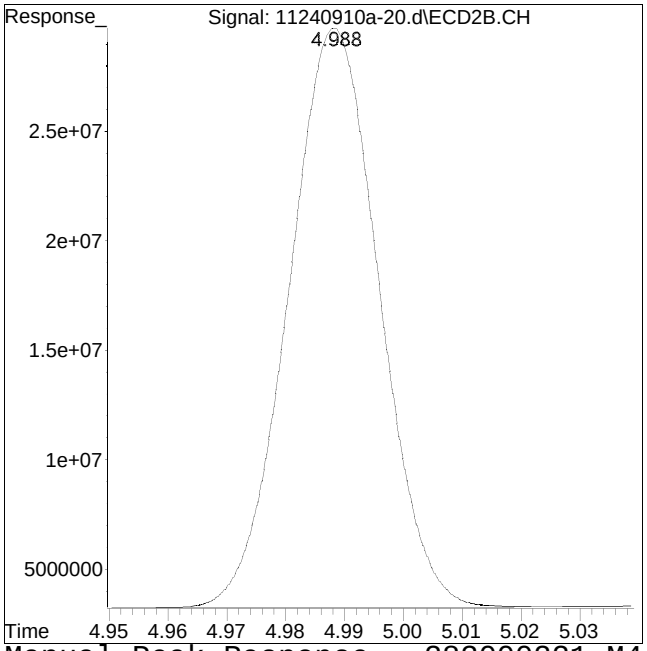
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #58: Endosulfan II #2



Original Peak Response = 287872357



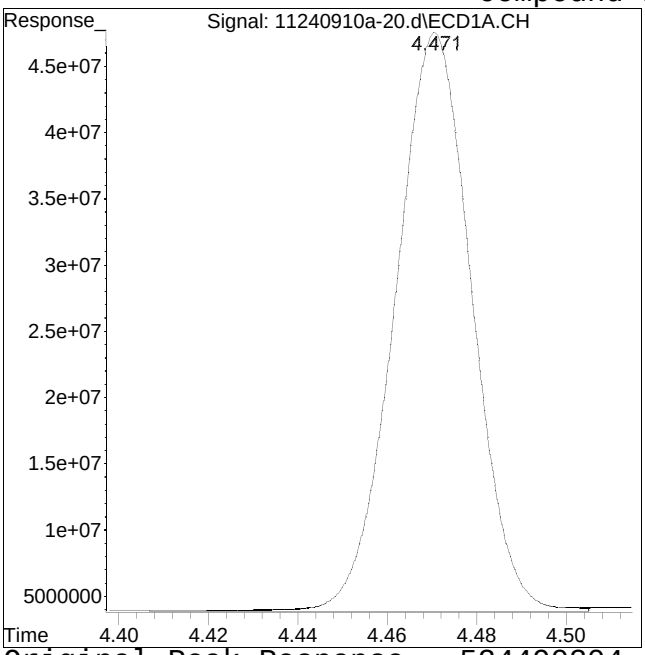
Manual Peak Response = 283000221 M4

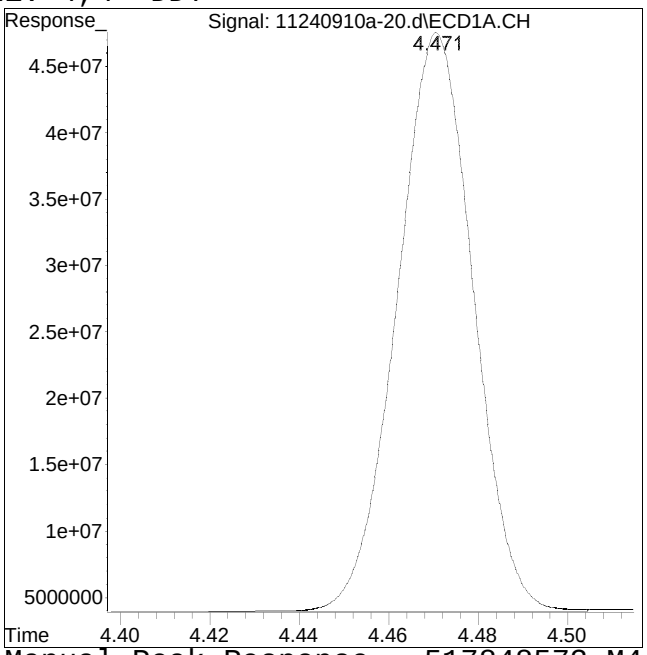
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #21: 4,4'-DDT



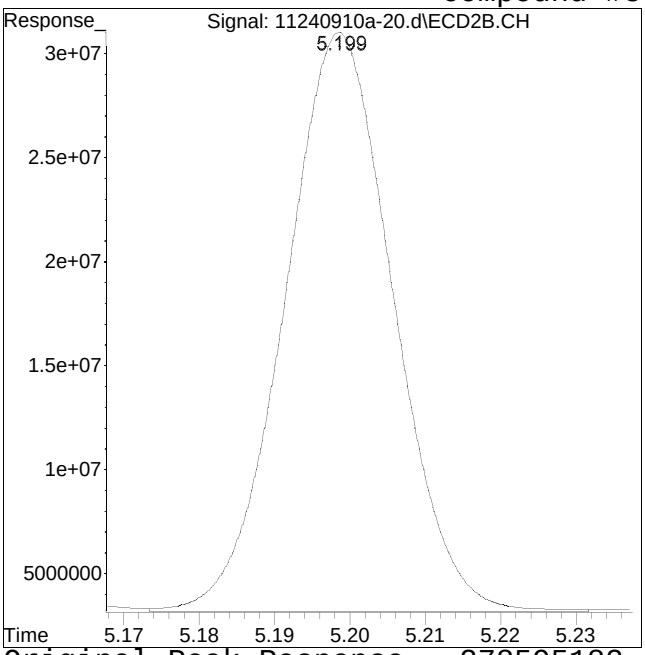


Original Peak Response = 524490304 Manual Peak Response = 517848573 M4
M4 = Poor automated baseline construction.

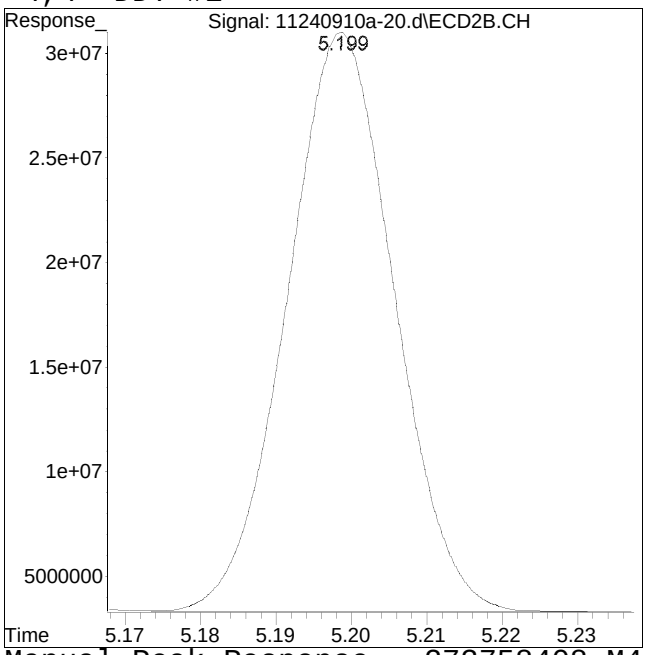
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #59: 4,4'-DDT #2



Original Peak Response = 278595182

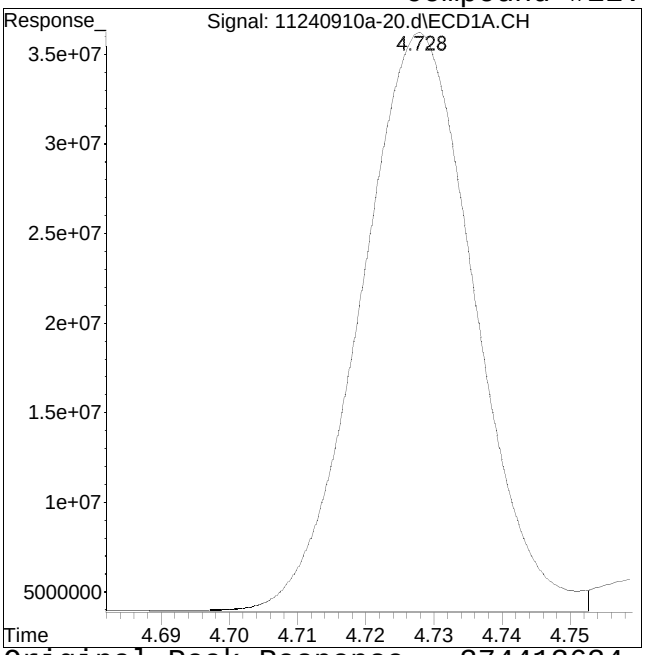


Manual Peak Response = 273758408 M4
M4 = Poor automated baseline construction.

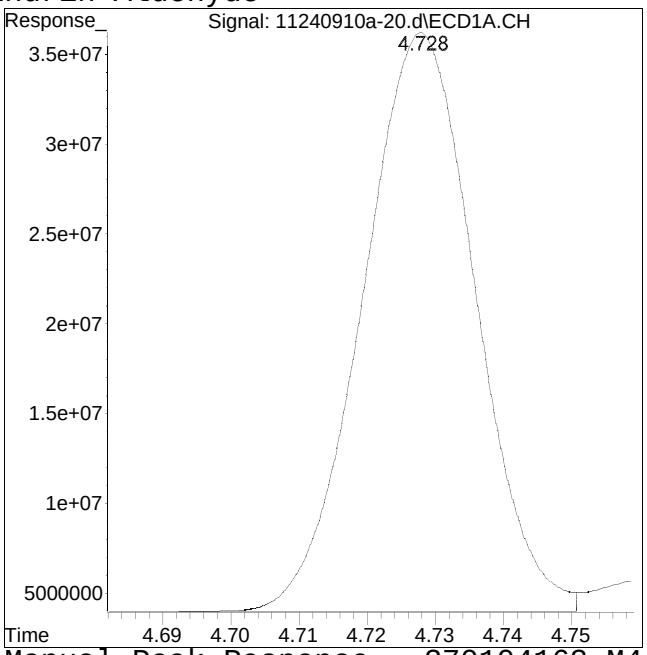
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #22: Endrin Aldehyde



Original Peak Response = 374413634



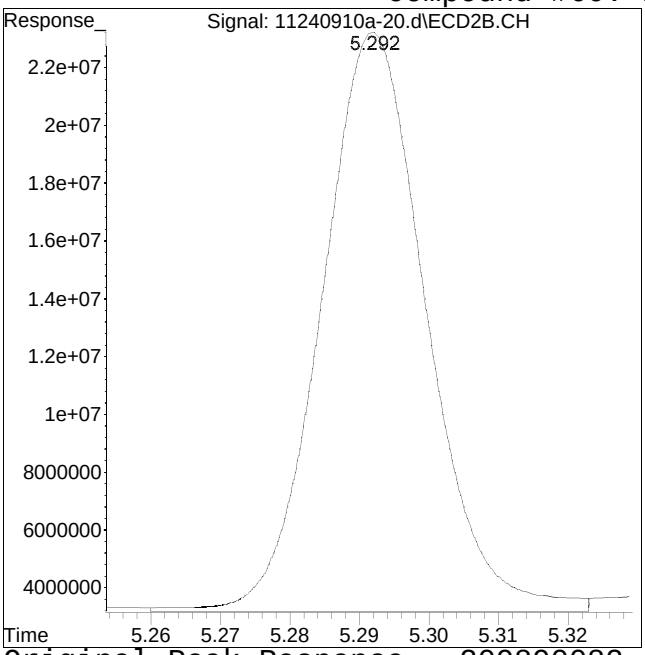
Manual Peak Response = 370104163 M4

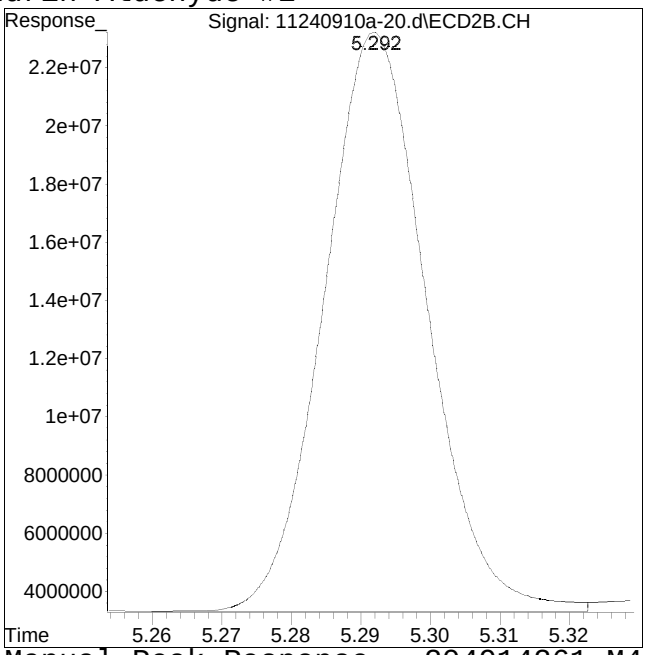
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #60: Endrin Aldehyde #2



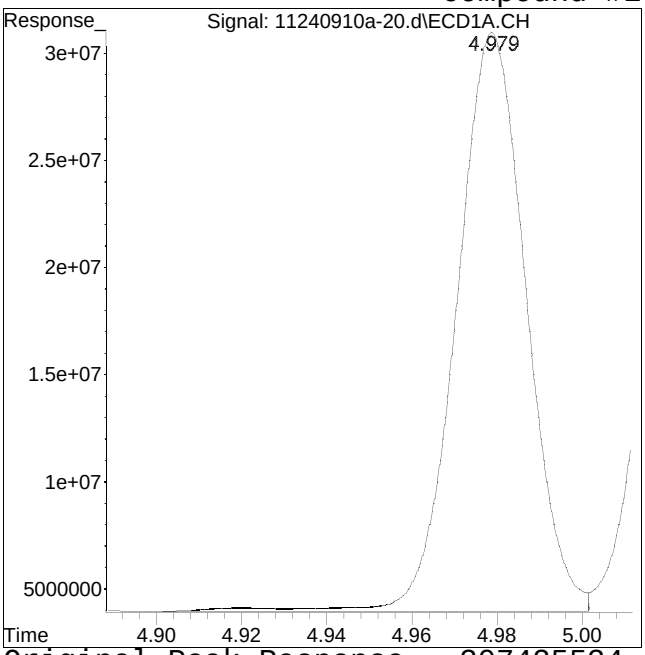


Original Peak Response = 209890082 Manual Peak Response = 204914261 M4
M4 = Poor automated baseline construction.

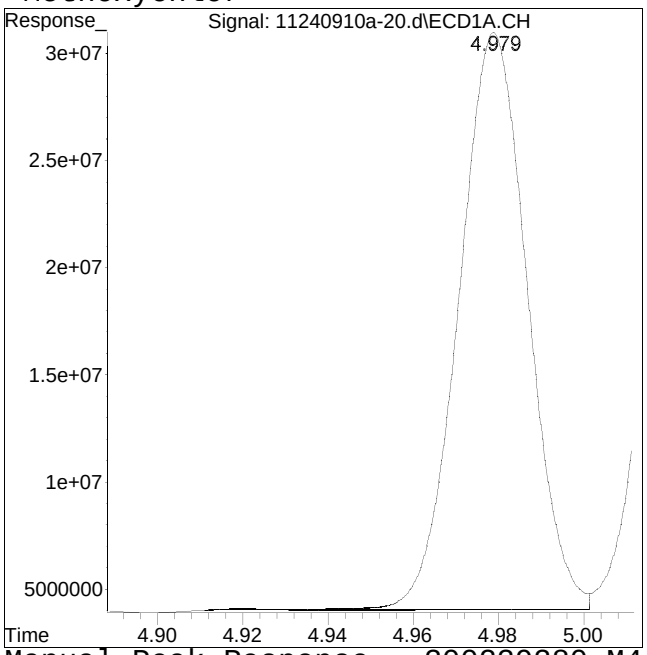
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #23: Methoxychlor



Original Peak Response = 307425534



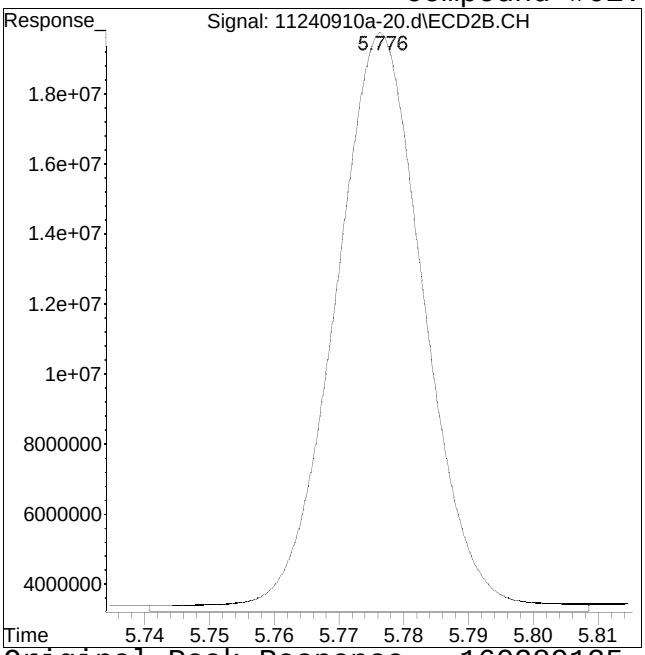
Manual Peak Response = 300239380 M4

M4 = Poor automated baseline construction.

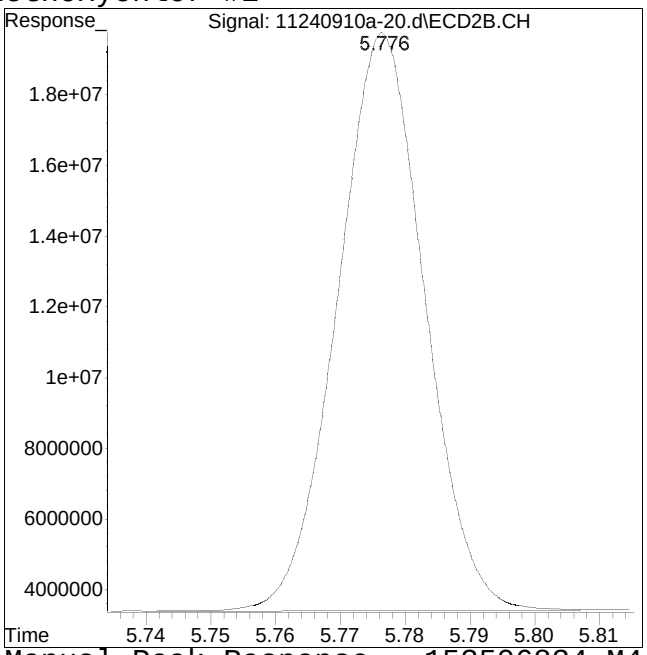
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #61: Methoxychlor #2



Original Peak Response = 160289125



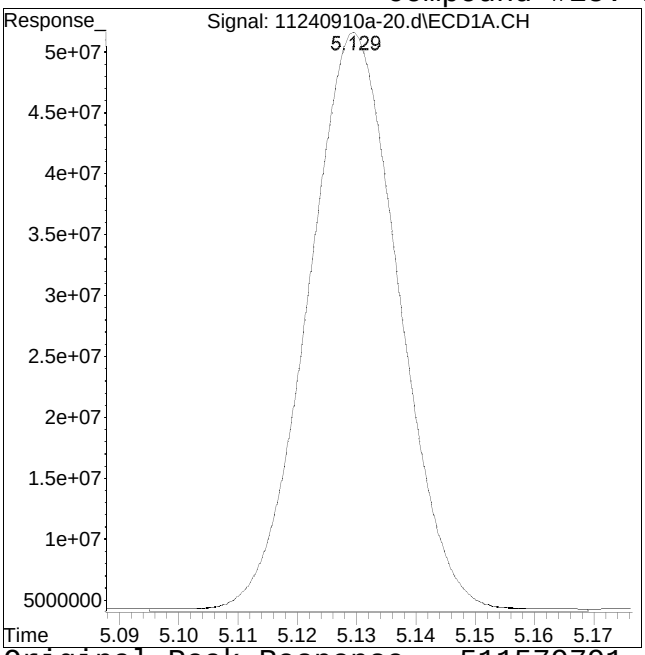
Manual Peak Response = 153506834 M4

M4 = Poor automated baseline construction.

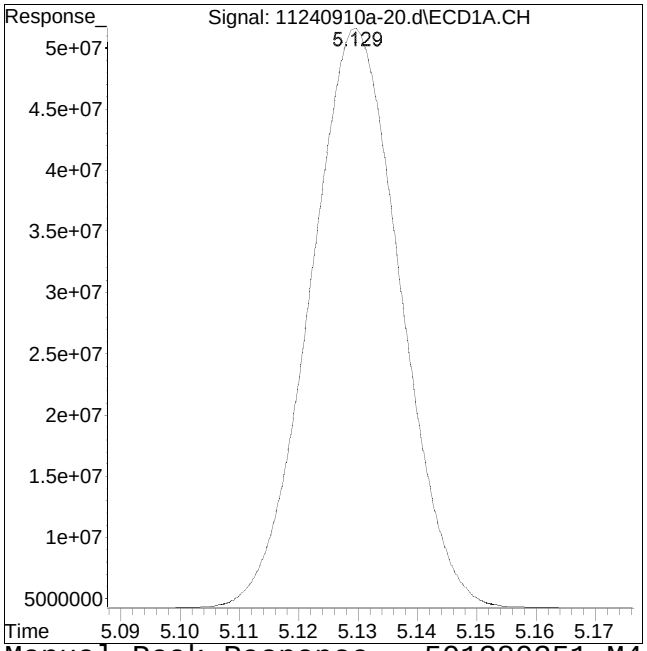
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #25: Endosulfan Sulfate



Original Peak Response = 511579791



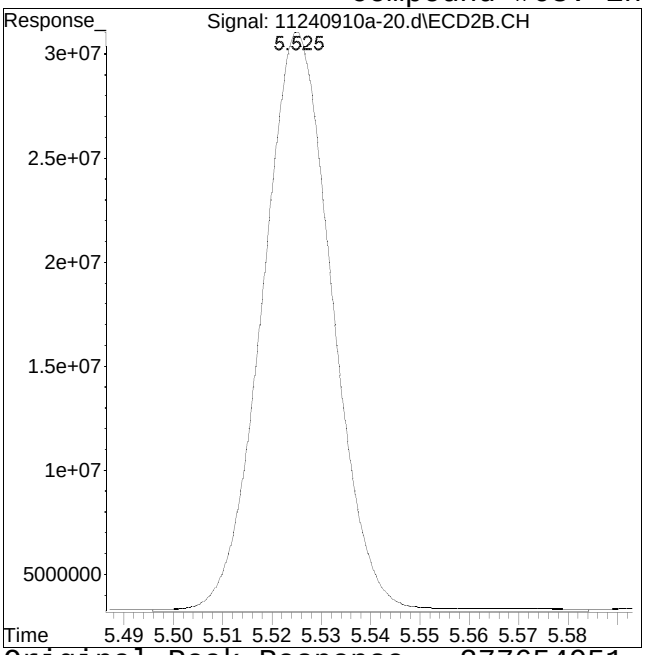
Manual Peak Response = 501380351 M4

M4 = Poor automated baseline construction.

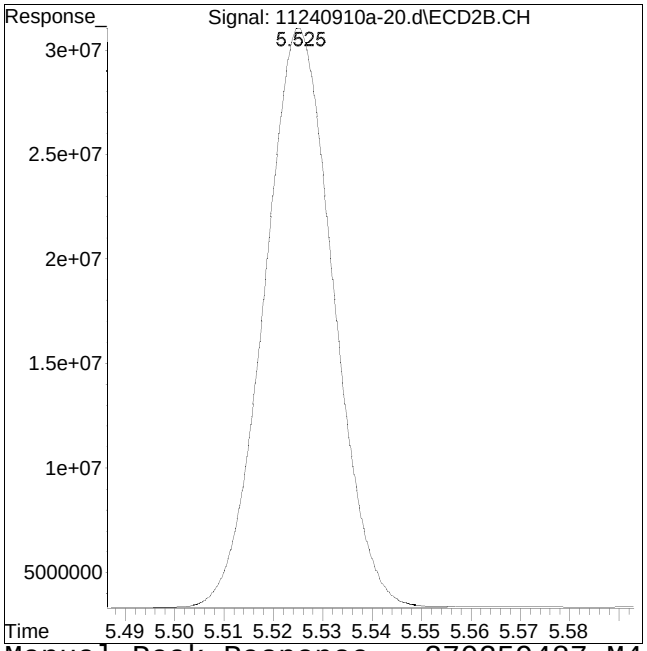
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 277654951



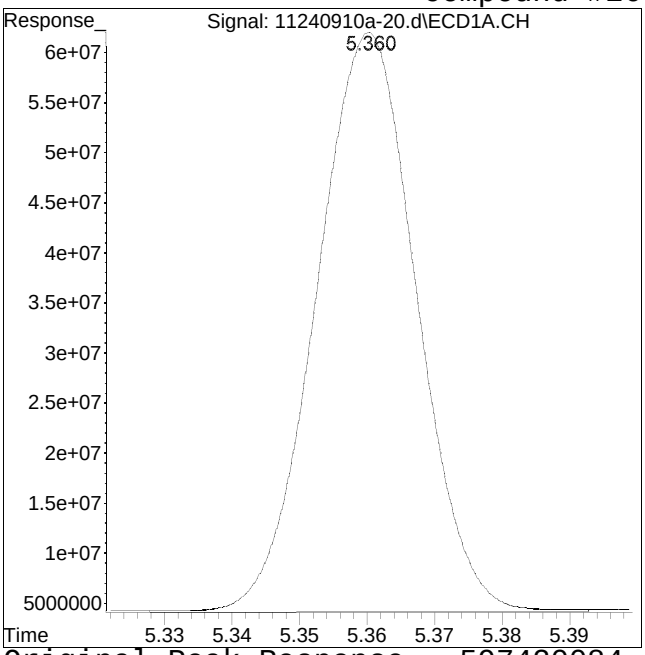
Manual Peak Response = 270259487 M4

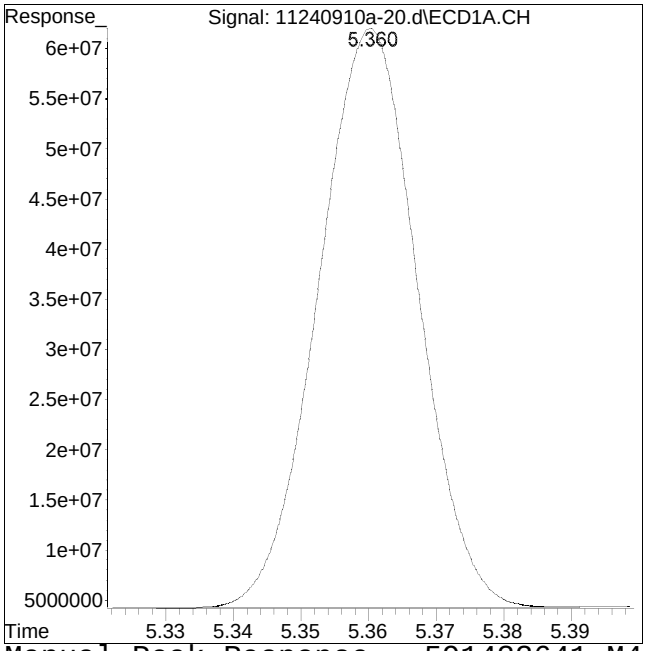
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #26: Endrin Ketone



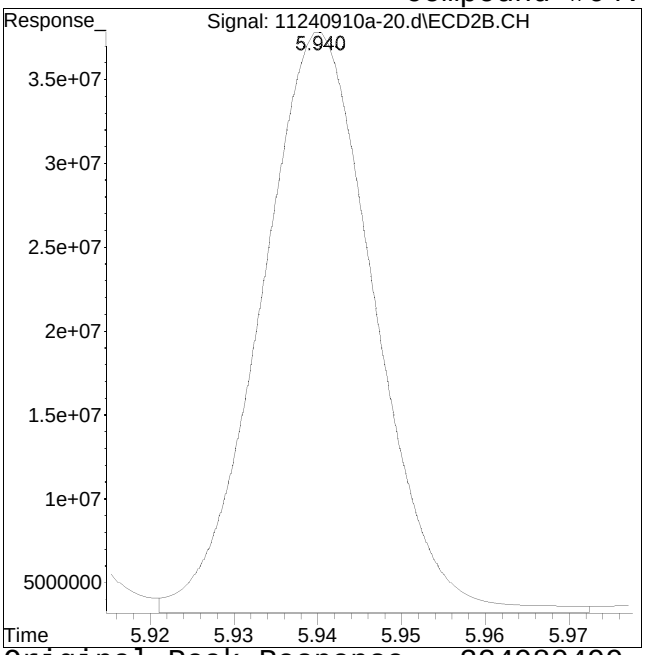


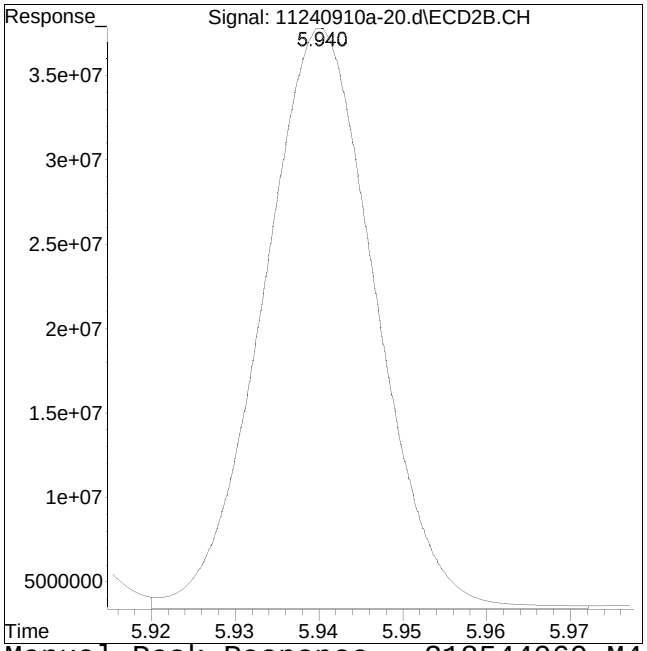
Original Peak Response = 597420084 Manual Peak Response = 591433641 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #64: Endrin Ketone #2



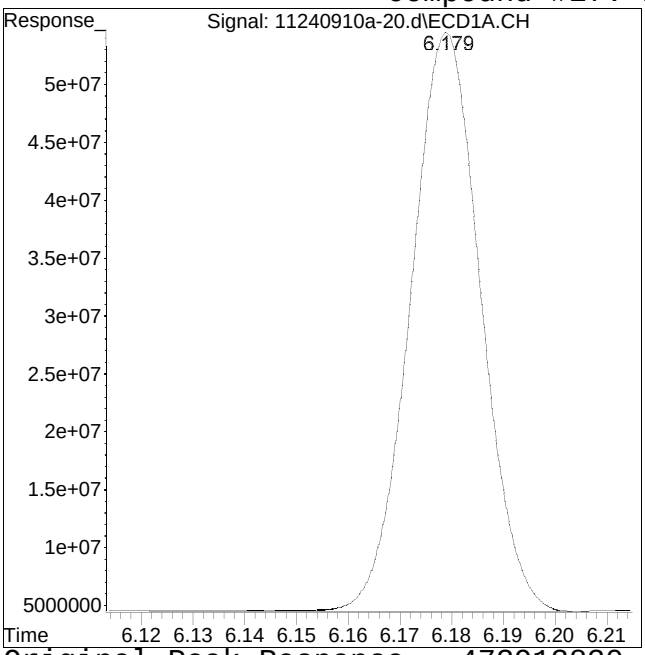


Original Peak Response = 324980499 Manual Peak Response = 318544060 M4
M4 = Poor automated baseline construction.

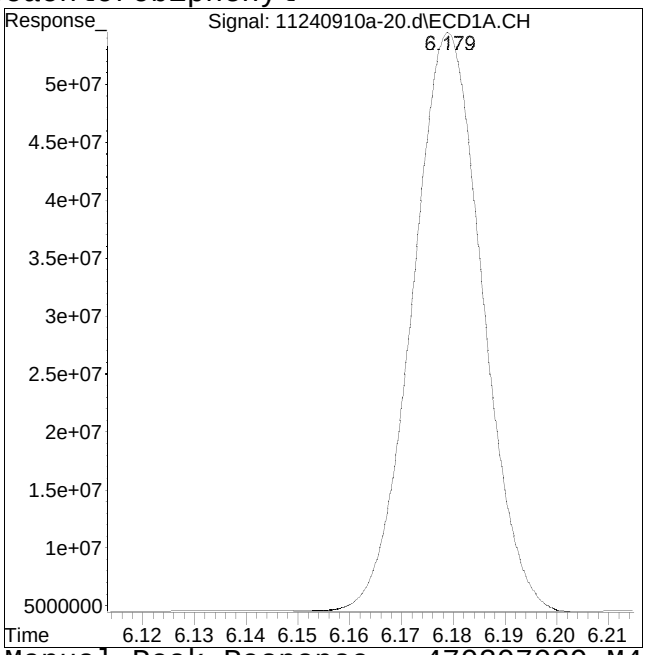
Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #27: Decachlorobiphenyl



Original Peak Response = 473913830



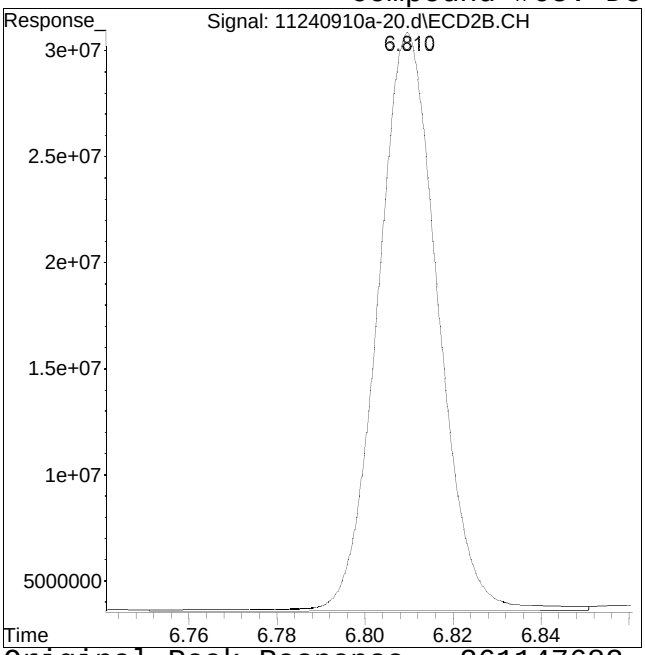
Manual Peak Response = 470307039 M4

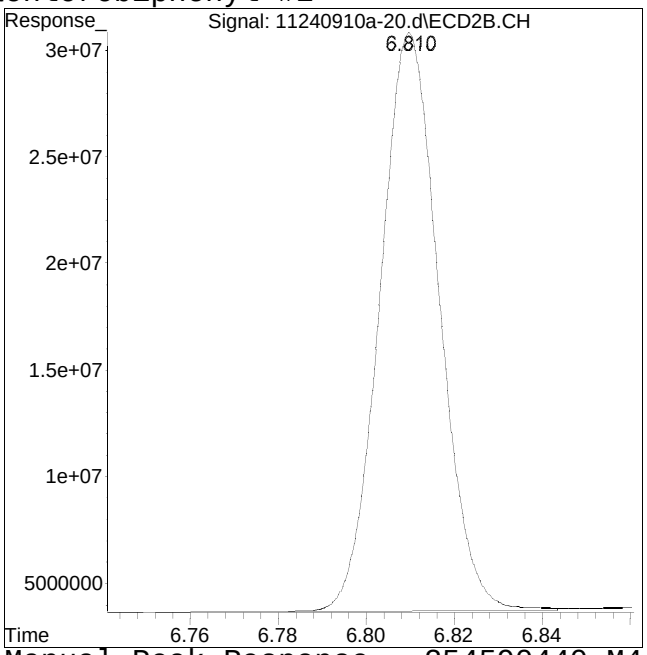
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest11\2024\240910QMethod : pest11_08_01_24_ugL_ICAL
Data File : 11240910a-20.d Operator : PEST11:jag
Date Inj'd : 9/10/2024 12:44 Instrument : Pest 11
Sample : WG1968977-3,42,, Quant Date : 9/10/2024 1:18 pm

Compound #65: Decachlorobiphenyl #2





Original Peak Response = 261147682 Manual Peak Response = 254590440 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: PEST_11
Date: **08/01/24**
Run: ical

Method
GC: pest

Seq: WG1955254
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11240801i-01	blank,42e,,pp 11660 -				
2	11240801i-02	pem-01,42e,,pp 11667 -				EJL 8/2
3	11240801i-03	il1pest,42e,,pp 11687 L0.0005				EJL 8/2
4	11240801i-04	il2pest,42e,,pp 11686 L0.001				EJL 8/2
5	11240801i-05	il3pest,42e,,pp 11685 L0.002				EJL 8/2
6	11240801i-06	il4pest,42e,,pp 11684 L0.003				EJL 8/2
7	11240801i-07	il5pest,42e,,pp 11683 L0.004				EJL 8/2
8	11240801i-08	il7pest,42e,,pp 11682 L0.01				EJL 8/2
9	11240801i-09	il8pest,42e,,pp 11681 L0.05				EJL 8/2
10	11240801i-10	il9pest,42e,,pp 11680 L0.1				EJL 8/2
11	11240801i-11	il10pest,42e,,pp 11679 L0.2				EJL 8/2
12	11240801i-12	il11pest,42e,,pp 11678 L0.4				EJL 8/2
13	11240801i-13	cicvpest,42e,,pp 11675 L0.05ICV				EJL 8/2
14	11240801i-14	il3chlor,42e,,pp 11694 L0.01				EJL 8/2
15	11240801i-15	il4chlor,42e,,pp 11693 L0.02				EJL 8/2
16	11240801i-16	il5chlor,42e,,pp 11692 L0.1				EJL 8/2
17	11240801i-17	il7chlor,42e,,pp 11691 L0.5				EJL 8/2
18	11240801i-18	il8chlor,42e,,pp 11690 L1.0				EJL 8/2
19	11240801i-19	il9chlor,42e,,pp 11689 L2.0				EJL 8/2
20	11240801i-20	il10chlor,42e,,pp 11688 L5.0				EJL 8/2
21	11240801i-21	cicvchlor,42e,,pp 11670 L1.0ICV				EJL 8/2
22	11240801i-22	il3tox,42e,,pp 11703 L0.02				EJL 8/2
23	11240801i-23	il4tox,42e,,pp 11702 L0.1				EJL 8/2
24	11240801i-24	il7tox,42e,,pp 11701 L1.0				EJL 8/2
25	11240801i-25	il8tox,42e,,pp 11700 L2.0				EJL 8/2
26	11240801i-26	il9tox,42e,,pp 11695 L5.0				EJL 8/2
27	11240801i-27	cicvtox,42e,,pp 11668 L2.0ICV			EJL	EJL 8/2

Dep.: PEST
Inst: PEST_11
Date: **09/10/24**
Run: a

Method
GC: pest

Seq: wg1969659
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	11240910a-01	blank				
2	11240910a-02	deg11573 9:06				AKM 9/10
3	11240910a-03	pest11675	b: heptE, a-chlor, endo1, methoxy low			AKM 9/10
4	11240910a-04	chlor11670	b: 15%			AKM 9/10
5	11240910a-05	tox11668	15%			AKM 9/10
6	11240910a-06	Pest IS Test pp11739				AKM 9/10
7	11240910a-07	WG1969385-1,42,,				MMG 9/10
8	11240910a-08	WG1969385-2,42,,				MMG 9/10
9	11240910a-09	WG1969385-3,42,,				MMG 9/10
10	11240910a-10	L2450022-01,42,, re	11027			MMG 9/10
11	11240910a-11	L2450022-02,42,, re				MMG 9/10
12	11240910a-12	L2450388-08,42,,,R1C re				MMG 9/10
13	11240910a-13	L2451137-05,42,,,R1C re				MMG 9/10
14	11240910a-14	L2450251-01,42,, re				MMG 9/10
15	11240910a-15	L2450438-01,42,, re				MMG 9/10
16	11240910a-16	L2450438-02,42,, re				MMG 9/10
17	11240910a-17	L2450818-02,42,, re				MMG 9/10
18	11240910a-18	WG1968977-1,42,,		MMG		JAG 9/10
19	11240910a-19	WG1968977-2,42,,				JAG 9/10
20	11240910a-20	WG1968977-3,42,,				JAG 9/10
21	11240910a-21	L2450373-03,42,,				JAG 9/10
22	11240910a-22	L2450786-01,42,,				JAG 9/10
23	11240910a-23	L2450786-02,42,,				JAG 9/10
24	11240910a-24	L2450786-03,42,,				JAG 9/10
25	11240910a-25	L2450786-04,42,,				JAG 9/10
26	11240910a-26	L2450786-05,42,,				JAG 9/10
27	11240910a-27	L2450786-06,42,,				JAG 9/10
28	11240910a-28	L2450786-07,42,,				JAG 9/10
29	11240910a-29	L2450786-08,42,,				JAG 9/10
30	11240910a-30	L2450786-09,42,,				JAG 9/10
31	11240910a-31	L2450786-10,42,,				JAG 9/10
32	11240910a-32	L2450786-12,42,,				JAG 9/10
33	11240910a-33	pest11675	a: a-chlor, dieldrin high b methoxy		mmg	JAG 9/10
34	11240910a-34	blank				
35	11240910a-35	L2450829-04,42,,				JAG 9/10
36	11240910a-36	L2450829-06,42,,				JAG 9/10
37	11240910a-37	L2422662-131,42,, p				JAG 9/10
38	11240910a-38	WG1969385-4,42,, ms				
39	11240910a-39	WG1969385-5,42,, dup			jag	
40	11240910a-40	WG1969774-1,42,,				JAG 9/10
41	11240910a-41	WG1969774-2,42,,				JAG 9/10
42	11240910a-42	WG1969774-3,42,,				JAG 9/10
43	11240910a-43	L2450799-01,42,,				JAG 9/10
44	11240910a-44	L2450854-01,42,,				JAG 9/10

Dep.: PEST
Inst: PEST_11
Date: **09/10/24**
Run: a

Method
GC: pest

Seq: wg1969659
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	11240910a-45	L2450855-01,42,,	rr hits			
46	11240910a-46	L2450855-02,42,,			jag	JAG 9/10

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Oct 18 2024, 03:12 pm

Work Group: WG1968977 for Department: 2 Organic Preparation

Created: 09-SEP-24 Due: Operator: FMM

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2450373-03	AOI5-TRACK4LEAD-FB2-090324	C	NYTCL-8081	WATER	DONE	U	0910	0911	S0	Amber-A.120
L2450786-01	MW-5A	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-02	MW-5B	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-03	MW-6A	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-04	MW-6B	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-05	MW-7A	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-06	MW-7B	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-07	MW-8A	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-08	MW-8B	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-09	MW-10A	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-10	MW-10B	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
L2450786-12	DUP	S	NYTCL-8081	WATER	DONE	U	0912	0911	S0	Amber-A.120
WG1968977-1	Laboratory Method Bl	S	NYTCL-8081	WATER	DONE	U				
WG1968977-2	Laboratory Control S	S	NYTCL-8081	WATER	DONE	U				
WG1968977-3	LCS Duplicate	S	NYTCL-8081	WATER	DONE	U				

Comments:

WG1968977-3 WG1968977-2

ORGANIC ELN REPORT

Workgroup: WG1968977

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: Pesticide/PCB **Lot #:** PP11723ac,02/06/2025,7c,5,4
Spike Type: Pesticide **Lot #:** PP11566ah,10/09/2024,7c,5,1
Spike Verify by: FMM
Lims Spikelot: PEST_LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI540

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2450373-03 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-01 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-02 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-03 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-04 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-05 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1

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Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2450786-06 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-07 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-08 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-09 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-10 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
L2450786-12 SAMP	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
WG1968977-1 BLANK	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25		09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1
WG1968977-2 LCS	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25	.25	09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1

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Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1968977-3 LCSD	09/09/24 01:37	Francis Mbro-Menyah	140	>5,<9	.25	.25	09/09/24 07:41	Rabbi Kyei-Baffour	1	C / A / #1

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